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

Cover Page

Order ID : Q2314

Project ID : NWIRP Bethpage 112G08005-WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
Q2314-01	BP-VPB-182-TB-20250610
Q2314-02	BP-VPB-182-GW-820-822
Q2314-04	BP-VPB-182-GW-880-882
Q2314-05	BP-VPB-182-EB-20250612
Q2314-06	VPB182-HYD-20250612
Q2314-08	BP-VPB-182-GW-840-842

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: 6/21/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: NWIRP Bethpage 112G08005-WE13
Project Manager # Ernie Wu
Order ID # Q2314
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 06/12/2025.
5 Water samples were received on 06/12/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1 and VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOCMS Group1 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The RPD for {VY0616SBSD01} with File ID: VY022698.D met criteria except for Chloromethane[25%] due to difference in results of BS and BSD.

The Blank Spike met requirements for all samples.
The Blank Spike Duplicate met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.

The Continuous Calibration File ID VY022695.D met the requirements except for Acetone is failing marginally high therefore no corrective action taken.

The Tuning criteria met requirements.

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

E. Additional Comments:

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

The Sample #BP-VPB-182-GW-840-842 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is)."

The not QT review data is reported in the Miscellaneous.
The soil samples results are based on a dry weight basis.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

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

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

Signature_____

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2314 MATRIX: Solid/Water

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The Initial Calibration met the requirements. The Continuous Calibration File ID VY022695.D met the requirements except for Acetone is failing marginally high therefore no corrective action taken.			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The RPD for {VY0616SBSD01} with File ID: VY022698.D met criteria except for Chloromethane[25%] due to difference in results of BS and BSD.		✓	
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

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

NA NO YES

ADDITIONAL COMMENTS:

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

The Sample #BP-VPB-182-GW-840-842 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is)."

The not QT review data is reported in the Miscellaneous.

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

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

_____ _____

QA REVIEW Date

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2314**

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

QA Review Signature: **SOHIL JODHANI** **Date:** **06/21/2025**

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

LAB CHRONICLE

OrderID:	Q2314	**OrderDate:**	6/12/2025 3:59:00 PM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	**Location:**	D41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2314-01	**BP-VPB-182-TB-20250610**	**Water**			**06/10/25**			**06/12/25**
			VOCMS Group1	8260-Low			06/13/25	
Q2314-02	**BP-VPB-182-GW-820-822**	**Water**			**06/10/25**			**06/12/25**
			VOCMS Group1	8260-Low			06/13/25	
Q2314-04	**BP-VPB-182-GW-880-882**	**Water**			**06/12/25**			**06/12/25**
			VOCMS Group1	8260-Low			06/13/25	
Q2314-05	**BP-VPB-182-EB-20250612**	**Water**			**06/12/25**			**06/12/25**
			VOCMS Group1	8260-Low			06/13/25	
Q2314-06	**VPB182-HYD-20250612**	**Water**			**06/12/25**			**06/12/25**
			VOCMS Group1	8260-Low			06/13/25	
Q2314-08	**BP-VPB-182-GW-840-842**	**SOIL**			**06/11/25**			**06/13/25**
			VOCMS Group1	8260D			06/16/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2314

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**BP-VPB-182-GW-820-822**								
Q2314-02	BP-VPB-182-GW-8	Water	Acetone	7.70		1.50	3.80	5.00	ug/L
Q2314-02	BP-VPB-182-GW-8	Water	Carbon Disulfide	1.20		0.21	0.75	1.00	ug/L
			Total Voc :	8.90					
			Total Concentration:	8.90					
Client ID:	**BP-VPB-182-EB-20250612**								
Q2314-05	BP-VPB-182-EB-2(	Water	Acetone	47.7		1.50	3.80	5.00	ug/L
Q2314-05	BP-VPB-182-EB-2(	Water	2-Butanone	7.70		0.98	2.50	5.00	ug/L
			Total Voc :	55.4					
			Total Concentration:	55.4					
Client ID:	**VPB182-HYD-20250612**								
Q2314-06	VPB182-HYD-2025	Water	Dibromochloromethane	1.20		0.18	0.50	1.00	ug/L
			Total Voc :	1.20					
			Total Concentration:	1.20					
Client ID:	**BP-VPB-182-GW-840-842**								
Q2314-08	BP-VPB-182-GW-8	SOIL	Acetone	140	J	59.3	250	310	ug/Kg
Q2314-08	BP-VPB-182-GW-8	SOIL	Methylene Chloride	75.2	J	44.2	100	130	ug/Kg
			Total Voc :	215					
			Total Concentration:	215					



QC SUMMARY

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

Surrogate Summary

SDG No.: Q2314

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2314-08	BP-VPB-182-GW-840-842	1,2-Dichloroethane-d4	50	55.1	110	71	136
		Dibromofluoromethane	50	53.5	107	78	119
		Toluene-d8	50	50.9	102	85	116
		4-Bromofluorobenzene	50	45.1	90	79	119
VY0616SBL01	VY0616SBL01	1,2-Dichloroethane-d4	50	48.8	98	71	136
		Dibromofluoromethane	50	51.2	102	78	119
		Toluene-d8	50	49.1	98	85	116
		4-Bromofluorobenzene	50	48.9	98	79	119
VY0616SBS01	VY0616SBS01	1,2-Dichloroethane-d4	50	52.0	104	71	136
		Dibromofluoromethane	50	51.4	103	78	119
		Toluene-d8	50	50.7	101	85	116
		4-Bromofluorobenzene	50	49.6	99	79	119
VY0616SBSD01	VY0616SBSD01	1,2-Dichloroethane-d4	50	55.3	111	71	136
		Dibromofluoromethane	50	54.4	109	78	119
		Toluene-d8	50	54.1	108	85	116
		4-Bromofluorobenzene	50	52.7	105	79	119

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

Surrogate Summary

SDG No.: Q2314

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2314-01	BP-VPB-182-TB-20250610	1,2-Dichloroethane-d4	50	51.2	102	81	118
		Dibromofluoromethane	50	50.7	101	80	119
		Toluene-d8	50	52.1	104	89	112
		4-Bromofluorobenzene	50	50.1	100	85	114
Q2314-02	BP-VPB-182-GW-820-822	1,2-Dichloroethane-d4	50	54.0	108	81	118
		Dibromofluoromethane	50	51.2	102	80	119
		Toluene-d8	50	51.9	104	89	112
		4-Bromofluorobenzene	50	49.8	100	85	114
Q2314-04	BP-VPB-182-GW-880-882	1,2-Dichloroethane-d4	50	53.7	107	81	118
		Dibromofluoromethane	50	50.5	101	80	119
		Toluene-d8	50	51.7	103	89	112
		4-Bromofluorobenzene	50	50.0	100	85	114
Q2314-05	BP-VPB-182-EB-20250612	1,2-Dichloroethane-d4	50	52.2	104	81	118
		Dibromofluoromethane	50	51.1	102	80	119
		Toluene-d8	50	52.5	105	89	112
		4-Bromofluorobenzene	50	50.3	101	85	114
Q2314-06	VPB182-HYD-20250612	1,2-Dichloroethane-d4	50	50.9	102	81	118
		Dibromofluoromethane	50	50.7	101	80	119
		Toluene-d8	50	51.4	103	89	112
		4-Bromofluorobenzene	50	50.9	102	85	114
VN0613WBL01	VN0613WBL01	1,2-Dichloroethane-d4	50	48.0	96	81	118
		Dibromofluoromethane	50	49.3	99	80	119
		Toluene-d8	50	51.8	104	89	112
		4-Bromofluorobenzene	50	49.5	99	85	114
VN0613WBS01	VN0613WBS01	1,2-Dichloroethane-d4	50	46.5	93	81	118
		Dibromofluoromethane	50	51.3	103	80	119
		Toluene-d8	50	48.5	97	89	112
		4-Bromofluorobenzene	50	49.5	99	85	114
VN0613WBSD0	VN0613WBSD01	1,2-Dichloroethane-d4	50	48.1	96	81	118
		Dibromofluoromethane	50	51.7	103	80	119
		Toluene-d8	50	48.8	98	89	112
		4-Bromofluorobenzene	50	50.3	101	85	114

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2314

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VN087000.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0613WBS01	Chloromethane	20	18.6	ug/L	93			50	139	
	Vinyl chloride	20	22.4	ug/L	112			58	137	
	Bromomethane	20	18.5	ug/L	93			53	141	
	Chloroethane	20	21.8	ug/L	109			60	138	
	Trichlorofluoromethane	20	21.6	ug/L	108			65	141	
	1,1,2-Trichlorotrifluoroethane	20	21.1	ug/L	106			70	136	
	1,1-Dichloroethene	20	22.2	ug/L	111			71	131	
	Acetone	100	86.7	ug/L	87			39	160	
	Carbon disulfide	20	23.4	ug/L	117			64	133	
	Methyl tert-butyl Ether	20	20.1	ug/L	101			71	124	
	Methylene Chloride	20	20.4	ug/L	102			74	124	
	trans-1,2-Dichloroethene	20	21.4	ug/L	107			75	124	
	1,1-Dichloroethane	20	20.5	ug/L	103			77	125	
	2-Butanone	100	91.2	ug/L	91			56	143	
	Carbon Tetrachloride	20	21.4	ug/L	107			72	136	
	cis-1,2-Dichloroethene	20	21.5	ug/L	108			78	123	
	Chloroform	20	20.5	ug/L	103			79	124	
	1,1,1-Trichloroethane	20	20.3	ug/L	102			74	131	
	Methylcyclohexane	20	19.2	ug/L	96			72	132	
	Benzene	20	21.5	ug/L	108			79	120	
	1,2-Dichloroethane	20	21.1	ug/L	106			73	128	
	Trichloroethene	20	21.9	ug/L	110			79	123	
	1,2-Dichloropropane	20	20.9	ug/L	104			78	122	
	Bromodichloromethane	20	21.4	ug/L	107			79	125	
	4-Methyl-2-Pentanone	100	99.2	ug/L	99			67	130	
	Toluene	20	21.8	ug/L	109			80	121	
	t-1,3-Dichloropropene	20	21.1	ug/L	106			73	127	
	cis-1,3-Dichloropropene	20	21.3	ug/L	106			75	124	
	1,1,2-Trichloroethane	20	21.3	ug/L	106			80	119	
	2-Hexanone	100	89.7	ug/L	90			57	139	
	Dibromochloromethane	20	21.9	ug/L	110			74	126	
	Tetrachloroethene	20	21.7	ug/L	109			74	129	
	Chlorobenzene	20	21.7	ug/L	109			82	118	
	Ethyl Benzene	20	21.3	ug/L	106			79	121	
	m/p-Xylenes	40	43.9	ug/L	110			80	121	
	o-Xylene	20	22.0	ug/L	110			78	122	
	Styrene	20	21.6	ug/L	108			78	123	
	Bromoform	20	22.7	ug/L	114			66	130	
	Isopropylbenzene	20	20.3	ug/L	102			72	131	
	1,1,2,2-Tetrachloroethane	20	21.0	ug/L	105			71	121	
	1,3-Dichlorobenzene	20	21.2	ug/L	106			80	119	
	1,4-Dichlorobenzene	20	21.3	ug/L	106			79	118	
	1,2-Dichlorobenzene	20	20.7	ug/L	104			80	119	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2314

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VN087001.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0613WBSD01	Chloromethane	20	18.6	ug/L	93	0		50	139	20
	Vinyl chloride	20	22.4	ug/L	112	0		58	137	20
	Bromomethane	20	18.6	ug/L	93	0		53	141	20
	Chloroethane	20	21.9	ug/L	110	1		60	138	20
	Trichlorofluoromethane	20	21.4	ug/L	107	1		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	21.5	ug/L	108	2		70	136	20
	1,1-Dichloroethene	20	22.3	ug/L	112	1		71	131	20
	Acetone	100	96.3	ug/L	96	10		39	160	20
	Carbon disulfide	20	23.4	ug/L	117	0		64	133	20
	Methyl tert-butyl Ether	20	21.2	ug/L	106	5		71	124	20
	Methylene Chloride	20	21.1	ug/L	106	4		74	124	20
	trans-1,2-Dichloroethene	20	21.4	ug/L	107	0		75	124	20
	1,1-Dichloroethane	20	21.0	ug/L	105	2		77	125	20
	2-Butanone	100	99.4	ug/L	99	8		56	143	20
	Carbon Tetrachloride	20	21.5	ug/L	108	1		72	136	20
	cis-1,2-Dichloroethene	20	21.4	ug/L	107	1		78	123	20
	Chloroform	20	20.9	ug/L	104	1		79	124	20
	1,1,1-Trichloroethane	20	20.4	ug/L	102	0		74	131	20
	Methylcyclohexane	20	19.4	ug/L	97	1		72	132	20
	Benzene	20	21.6	ug/L	108	0		79	120	20
	1,2-Dichloroethane	20	22.2	ug/L	111	5		73	128	20
	Trichloroethene	20	21.8	ug/L	109	1		79	123	20
	1,2-Dichloropropane	20	21.8	ug/L	109	5		78	122	20
	Bromodichloromethane	20	21.7	ug/L	109	2		79	125	20
	4-Methyl-2-Pentanone	100	100	ug/L	100	1		67	130	20
	Toluene	20	22.1	ug/L	111	2		80	121	20
	t-1,3-Dichloropropene	20	21.8	ug/L	109	3		73	127	20
	cis-1,3-Dichloropropene	20	22.2	ug/L	111	5		75	124	20
	1,1,2-Trichloroethane	20	22.2	ug/L	111	5		80	119	20
	2-Hexanone	100	97.1	ug/L	97	7		57	139	20
	Dibromochloromethane	20	23.2	ug/L	116	5		74	126	20
	Tetrachloroethene	20	21.0	ug/L	105	4		74	129	20
	Chlorobenzene	20	21.8	ug/L	109	0		82	118	20
	Ethyl Benzene	20	21.1	ug/L	106	0		79	121	20
	m/p-Xylenes	40	43.4	ug/L	109	1		80	121	20
	o-Xylene	20	21.8	ug/L	109	1		78	122	20
	Styrene	20	21.4	ug/L	107	1		78	123	20
	Bromoform	20	23.6	ug/L	118	3		66	130	20
	Isopropylbenzene	20	20.4	ug/L	102	0		72	131	20
	1,1,2,2-Tetrachloroethane	20	22.2	ug/L	111	6		71	121	20
	1,3-Dichlorobenzene	20	21.4	ug/L	107	1		80	119	20
	1,4-Dichlorobenzene	20	21.6	ug/L	108	2		79	118	20
	1,2-Dichlorobenzene	20	21.6	ug/L	108	4		80	119	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2314

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260D **Datafile :** VY022697.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0616SBS01	Chloromethane	20	19.3	ug/Kg	97			50	136	
	Vinyl chloride	20	22.0	ug/Kg	110			56	135	
	Bromomethane	20	22.8	ug/Kg	114			53	143	
	Chloroethane	20	23.2	ug/Kg	116			59	139	
	Trichlorofluoromethane	20	23.2	ug/Kg	116			62	140	
	1,1,2-Trichlorotrifluoroethane	20	22.5	ug/Kg	113			66	136	
	1,1-Dichloroethene	20	22.2	ug/Kg	111			70	131	
	Acetone	100	140	ug/Kg	140			36	164	
	Carbon disulfide	20	20.5	ug/Kg	103			63	132	
	Methyl tert-butyl Ether	20	21.2	ug/Kg	106			73	125	
	Methylene Chloride	20	23.8	ug/Kg	119			70	128	
	trans-1,2-Dichloroethene	20	22.1	ug/Kg	111			74	125	
	1,1-Dichloroethane	20	22.2	ug/Kg	111			76	125	
	2-Butanone	100	120	ug/Kg	120			51	148	
	Carbon Tetrachloride	20	21.0	ug/Kg	105			70	135	
	cis-1,2-Dichloroethene	20	21.6	ug/Kg	108			77	123	
	Chloroform	20	22.7	ug/Kg	114			78	123	
	1,1,1-Trichloroethane	20	22.7	ug/Kg	114			73	130	
	Methylcyclohexane	20	19.7	ug/Kg	99			66	133	
	Benzene	20	21.6	ug/Kg	108			77	121	
	1,2-Dichloroethane	20	21.8	ug/Kg	109			73	128	
	Trichloroethene	20	21.5	ug/Kg	108			77	123	
	1,2-Dichloropropane	20	21.7	ug/Kg	109			76	123	
	Bromodichloromethane	20	22.2	ug/Kg	111			75	127	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			65	135	
	Toluene	20	21.1	ug/Kg	106			77	121	
	t-1,3-Dichloropropene	20	21.0	ug/Kg	105			71	130	
	cis-1,3-Dichloropropene	20	20.7	ug/Kg	104			74	126	
	1,1,2-Trichloroethane	20	22.0	ug/Kg	110			78	121	
	2-Hexanone	100	110	ug/Kg	110			53	145	
	Dibromochloromethane	20	21.1	ug/Kg	106			74	126	
	Tetrachloroethene	20	24.3	ug/Kg	121			73	128	
	Chlorobenzene	20	21.7	ug/Kg	109			79	120	
	Ethyl Benzene	20	20.7	ug/Kg	104			76	122	
	m/p-Xylenes	40	41.2	ug/Kg	103			77	124	
	o-Xylene	20	20.6	ug/Kg	103			77	123	
	Styrene	20	20.5	ug/Kg	103			76	124	
	Bromoform	20	20.8	ug/Kg	104			67	132	
	Isopropylbenzene	20	20.4	ug/Kg	102			68	134	
	1,1,2,2-Tetrachloroethane	20	19.6	ug/Kg	98			70	124	
	1,3-Dichlorobenzene	20	20.6	ug/Kg	103			77	121	
	1,4-Dichlorobenzene	20	21.0	ug/Kg	105			75	120	
	1,2-Dichlorobenzene	20	20.5	ug/Kg	103			78	121	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2314

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260D **Datafile :** VY022698.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0616SBSD01	Chloromethane	20	25.0	ug/Kg	125	25	*	50	136	20
	Vinyl chloride	20	25.2	ug/Kg	126	14		56	135	20
	Bromomethane	20	26.7	ug/Kg	134	16		53	143	20
	Chloroethane	20	26.8	ug/Kg	134	14		59	139	20
	Trichlorofluoromethane	20	25.7	ug/Kg	129	11		62	140	20
	1,1,2-Trichlorotrifluoroethane	20	23.0	ug/Kg	115	2		66	136	20
	1,1-Dichloroethene	20	22.2	ug/Kg	111	0		70	131	20
	Acetone	100	130	ug/Kg	130	7		36	164	20
	Carbon disulfide	20	21.4	ug/Kg	107	4		63	132	20
	Methyl tert-butyl Ether	20	22.3	ug/Kg	112	6		73	125	20
	Methylene Chloride	20	24.8	ug/Kg	124	4		70	128	20
	trans-1,2-Dichloroethene	20	22.5	ug/Kg	113	2		74	125	20
	1,1-Dichloroethane	20	23.3	ug/Kg	117	5		76	125	20
	2-Butanone	100	120	ug/Kg	120	0		51	148	20
	Carbon Tetrachloride	20	21.6	ug/Kg	108	3		70	135	20
	cis-1,2-Dichloroethene	20	22.9	ug/Kg	115	6		77	123	20
	Chloroform	20	23.6	ug/Kg	118	3		78	123	20
	1,1,1-Trichloroethane	20	22.9	ug/Kg	115	1		73	130	20
	Methylcyclohexane	20	20.7	ug/Kg	104	5		66	133	20
	Benzene	20	22.7	ug/Kg	114	5		77	121	20
	1,2-Dichloroethane	20	22.7	ug/Kg	114	4		73	128	20
	Trichloroethene	20	23.4	ug/Kg	117	8		77	123	20
	1,2-Dichloropropane	20	23.5	ug/Kg	117	7		76	123	20
	Bromodichloromethane	20	22.8	ug/Kg	114	3		75	127	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	10		65	135	20
	Toluene	20	22.2	ug/Kg	111	5		77	121	20
	t-1,3-Dichloropropene	20	22.1	ug/Kg	111	6		71	130	20
	cis-1,3-Dichloropropene	20	22.3	ug/Kg	112	7		74	126	20
	1,1,2-Trichloroethane	20	22.9	ug/Kg	115	4		78	121	20
	2-Hexanone	100	110	ug/Kg	110	0		53	145	20
	Dibromochloromethane	20	22.4	ug/Kg	112	6		74	126	20
	Tetrachloroethene	20	25.2	ug/Kg	126	4		73	128	20
	Chlorobenzene	20	22.3	ug/Kg	112	3		79	120	20
	Ethyl Benzene	20	21.5	ug/Kg	108	4		76	122	20
	m/p-Xylenes	40	42.7	ug/Kg	107	4		77	124	20
	o-Xylene	20	21.3	ug/Kg	106	3		77	123	20
	Styrene	20	21.3	ug/Kg	106	3		76	124	20
	Bromoform	20	21.4	ug/Kg	107	3		67	132	20
	Isopropylbenzene	20	21.4	ug/Kg	107	5		68	134	20
	1,1,2,2-Tetrachloroethane	20	21.4	ug/Kg	107	9		70	124	20
	1,3-Dichlorobenzene	20	21.4	ug/Kg	107	4		77	121	20
	1,4-Dichlorobenzene	20	21.8	ug/Kg	109	4		75	120	20
	1,2-Dichlorobenzene	20	22.2	ug/Kg	111	7		78	121	20

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0613WBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2314 SAS No.: Q2314 SDG NO.: Q2314

Lab File ID: VN086998.D Lab Sample ID: VN0613WBL01

Date Analyzed: 06/13/2025 Time Analyzed: 13:47

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

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0613WBS01	VN0613WBS01	VN087000.D	06/13/2025
VN0613WBSD01	VN0613WBSD01	VN087001.D	06/13/2025
VPB182-HYD-20250612	Q2314-06	VN087002.D	06/13/2025
BP-VPB-182-TB-20250610	Q2314-01	VN087003.D	06/13/2025
BP-VPB-182-GW-880-882	Q2314-04	VN087005.D	06/13/2025
BP-VPB-182-GW-820-822	Q2314-02	VN087006.D	06/13/2025
BP-VPB-182-EB-20250612	Q2314-05	VN087007.D	06/13/2025

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0616SBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2314 SAS No.: Q2314 SDG NO.: Q2314

Lab File ID: VY022696.D Lab Sample ID: VY0616SBL01

Date Analyzed: 06/16/2025 Time Analyzed: 09:40

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
VY0616SBS01	VY0616SBS01	VY022697.D	06/16/2025
VY0616SBSD01	VY0616SBSD01	VY022698.D	06/16/2025
BP-VPB-182-GW-840-842	Q2314-08	VY022701.D	06/16/2025

COMMENTS:

Alliance TECHNICAL GROUP

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2314 SAS No.: Q2314 SDG NO.: Q2314

Lab File ID: VN086861.D BFB Injection Date: 06/06/2025

Instrument ID: MSVOA_N BFB Injection Time: 07:59

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.3
75	30.0 - 60.0% of mass 95	48.1
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	0.7 (1) 1
174	50.0 - 100.0% of mass 95	66.6
175	5.0 - 9.0% of mass 174	4.7 (7.1) 1
176	95.0 - 101.0% of mass 174	65.3 (98.1) 1
177	5.0 - 9.0% of mass 176	4.4 (6.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN086862.D	06/06/2025	12:44
VSTDICC005	VSTDICC005	VN086863.D	06/06/2025	13:17
VSTDICC020	VSTDICC020	VN086864.D	06/06/2025	13:40
VSTDICCC050	VSTDICCC050	VN086865.D	06/06/2025	14:03
VSTDICC100	VSTDICC100	VN086866.D	06/06/2025	14:26
VSTDICC150	VSTDICC150	VN086867.D	06/06/2025	14:49

Raw Data: **VN086995.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2314 SAS No.: Q2314 SDG NO.: Q2314

Lab File ID: VN086995.D BFB Injection Date: 06/13/2025

Instrument ID: MSVOA_N BFB Injection Time: 10:26

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.3
75	30.0 - 60.0% of mass 95	45.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	73.2
175	5.0 - 9.0% of mass 174	5.5 (7.5) 1
176	95.0 - 101.0% of mass 174	69.5 (94.9) 1
177	5.0 - 9.0% of mass 176	4.4 (6.3) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086996.D	06/13/2025	12:52
VN0613WBL01	VN0613WBL01	VN086998.D	06/13/2025	13:47
VN0613WBS01	VN0613WBS01	VN087000.D	06/13/2025	14:32
VN0613WBSD01	VN0613WBSD01	VN087001.D	06/13/2025	15:06
VPB182-HYD-20250612	Q2314-06	VN087002.D	06/13/2025	15:28
BP-VPB-182-TB-20250610	Q2314-01	VN087003.D	06/13/2025	15:50
BP-VPB-182-GW-880-882	Q2314-04	VN087005.D	06/13/2025	16:34
BP-VPB-182-GW-820-822	Q2314-02	VN087006.D	06/13/2025	16:56
BP-VPB-182-EB-20250612	Q2314-05	VN087007.D	06/13/2025	17:18
VSTDCCC050EC	VSTDCCC050	VN087015.D	06/13/2025	20:13

Raw Data: **VY022488.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2314 SAS No.: Q2314 SDG NO.: Q2314

Lab File ID: VY022488.D BFB Injection Date: 06/02/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:31

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.6
75	30.0 - 60.0% of mass 95	58.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.5 (0.6) 1
174	50.0 - 100.0% of mass 95	86.2
175	5.0 - 9.0% of mass 174	6.6 (7.6) 1
176	95.0 - 101.0% of mass 174	82.5 (95.6) 1
177	5.0 - 9.0% of mass 176	5.4 (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
VSTDICC005	VSTDICC005	VY022491.D	06/02/2025	11:46
VSTDICC010	VSTDICC010	VY022492.D	06/02/2025	12:09
VSTDICC020	VSTDICC020	VY022493.D	06/02/2025	12:32
VSTDICCC050	VSTDICCC050	VY022494.D	06/02/2025	12:54
VSTDICC100	VSTDICC100	VY022495.D	06/02/2025	13:17
VSTDICC150	VSTDICC150	VY022496.D	06/02/2025	13:39

Raw Data: **VY022694.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2314 SAS No.: Q2314 SDG NO.: Q2314

Lab File ID: VY022694.D BFB Injection Date: 06/16/2025

Instrument ID: MSVOA_Y BFB Injection Time: 07:59

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.1
75	30.0 - 60.0% of mass 95	58.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	1.2 (1.4) 1
174	50.0 - 100.0% of mass 95	84.4
175	5.0 - 9.0% of mass 174	6.8 (8) 1
176	95.0 - 101.0% of mass 174	82.5 (97.7) 1
177	5.0 - 9.0% of mass 176	5.3 (6.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022695.D	06/16/2025	08:31
VY0616SBL01	VY0616SBL01	VY022696.D	06/16/2025	09:40
VY0616SBS01	VY0616SBS01	VY022697.D	06/16/2025	10:12
VY0616SBSD01	VY0616SBSD01	VY022698.D	06/16/2025	10:34
BP-VPB-182-GW-840-842	Q2314-08	VY022701.D	06/16/2025	12:09
VSTDCCC050EC	VSTDCCC050	VY022710.D	06/16/2025	16:55

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2314 SAS No.: Q2314 SDG NO.: Q2314

Lab File ID: VN086996.D Date Analyzed: 06/13/2025

Instrument ID: MSVOA_N Time Analyzed: 12:52

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	190412	8.23	349185	9.11	311622	11.87
UPPER LIMIT	380824	8.73	698370	9.606	623244	12.365
LOWER LIMIT	95206	7.73	174593	8.606	155811	11.365
EPA SAMPLE NO.						
BP-VPB-182-TB-20250610	202860	8.24	392535	9.11	349983	11.87
BP-VPB-182-GW-820-822	193783	8.24	387947	9.11	349080	11.86
BP-VPB-182-GW-880-882	207419	8.24	418529	9.11	374011	11.87
BP-VPB-182-EB-20250612	207748	8.24	404853	9.11	368221	11.87
VPB182-HYD-20250612	207879	8.23	402501	9.11	359714	11.87
VN0613WBL01	317214	8.24	606954	9.11	536496	11.87
VN0613WBS01	193820	8.23	342767	9.11	297937	11.87
VN0613WBSD01	180967	8.23	323903	9.11	287455	11.87

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

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2314 SAS No.: Q2314 SDG NO.: Q2314

Lab File ID: VN086996.D Date Analyzed: 06/13/2025

Instrument ID: MSVOA_N Time Analyzed: 12:52

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

	IS4 AREA #	RT #				
12 HOUR STD	154974	13.794				
UPPER LIMIT	309948	14.294				
LOWER LIMIT	77487	13.294				
EPA SAMPLE NO.						
BP-VPB-182-TB-20250610	169487	13.79				
BP-VPB-182-GW-820-822	167434	13.79				
BP-VPB-182-GW-880-882	177372	13.79				
BP-VPB-182-EB-20250612	177791	13.79				
VPB182-HYD-20250612	173766	13.79				
VN0613WBL01	258118	13.79				
VN0613WBS01	150656	13.79				
VN0613WBSD01	143189	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2314 SAS No.: Q2314 SDG NO.: Q2314

Lab File ID: VY022695.D Date Analyzed: 06/16/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:31

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	174388	7.72	289069	8.62	247096	11.42
UPPER LIMIT	348776	8.219	578138	9.121	494192	11.92
LOWER LIMIT	87194	7.219	144535	8.121	123548	10.92
EPA SAMPLE NO.						
BP-VPB-182-GW-840-842	111918	7.71	203194	8.62	172902	11.41
VY0616SBL01	118205	7.71	219441	8.62	175112	11.42
VY0616SBS01	158575	7.71	274493	8.62	229894	11.42
VY0616SBSD01	154209	7.71	264302	8.62	225807	11.41

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

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2314 SAS No.: Q2314 SDG NO.: Q2314

Lab File ID: VY022695.D Date Analyzed: 06/16/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:31

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

	IS4 AREA #	RT #				
12 HOUR STD	115228	13.346				
UPPER LIMIT	230456	13.846				
LOWER LIMIT	57614	12.846				
EPA SAMPLE NO.						
BP-VPB-182-GW-840-842	65272	13.35				
VY0616SBL01	63063	13.35				
VY0616SBS01	109254	13.35				
VY0616SBSD01	103858	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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



SAMPLE DATA

Raw Data: **VN087003.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/10/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/12/25
Client Sample ID:	BP-VPB-182-TB-20250610	SDG No.:	Q2314
Lab Sample ID:	Q2314-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087003.D	1		06/13/25 15:50	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L

Raw Data: **VN087003.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/10/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/12/25
Client Sample ID:	BP-VPB-182-TB-20250610	SDG No.:	Q2314
Lab Sample ID:	Q2314-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087003.D	1		06/13/25 15:50	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.2		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	52.1		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	203000	8.236				
540-36-3	1,4-Difluorobenzene	393000	9.106				
3114-55-4	Chlorobenzene-d5	350000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	169000	13.794				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Raw Data: **VN087003.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/10/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/12/25
Client Sample ID:	BP-VPB-182-TB-20250610	SDG No.:	Q2314
Lab Sample ID:	Q2314-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087003.D	1		06/13/25 15:50	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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_N\Data\VN061325\
Data File : VN087003.D
Acq On : 13 Jun 2025 15:50
Operator : JC\MD
Sample : Q2314-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-TB-20250610

Quant Time: Jun 14 00:30:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	202860	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	392535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	349983	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	169487	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	139024	51.186	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.380%			
35) Dibromofluoromethane	8.177	113	117978	50.716	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.440%			
50) Toluene-d8	10.571	98	480084	52.132	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.260%			
62) 4-Bromofluorobenzene	12.847	95	171597	50.154	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.300%			
Target Compounds						Qvalue

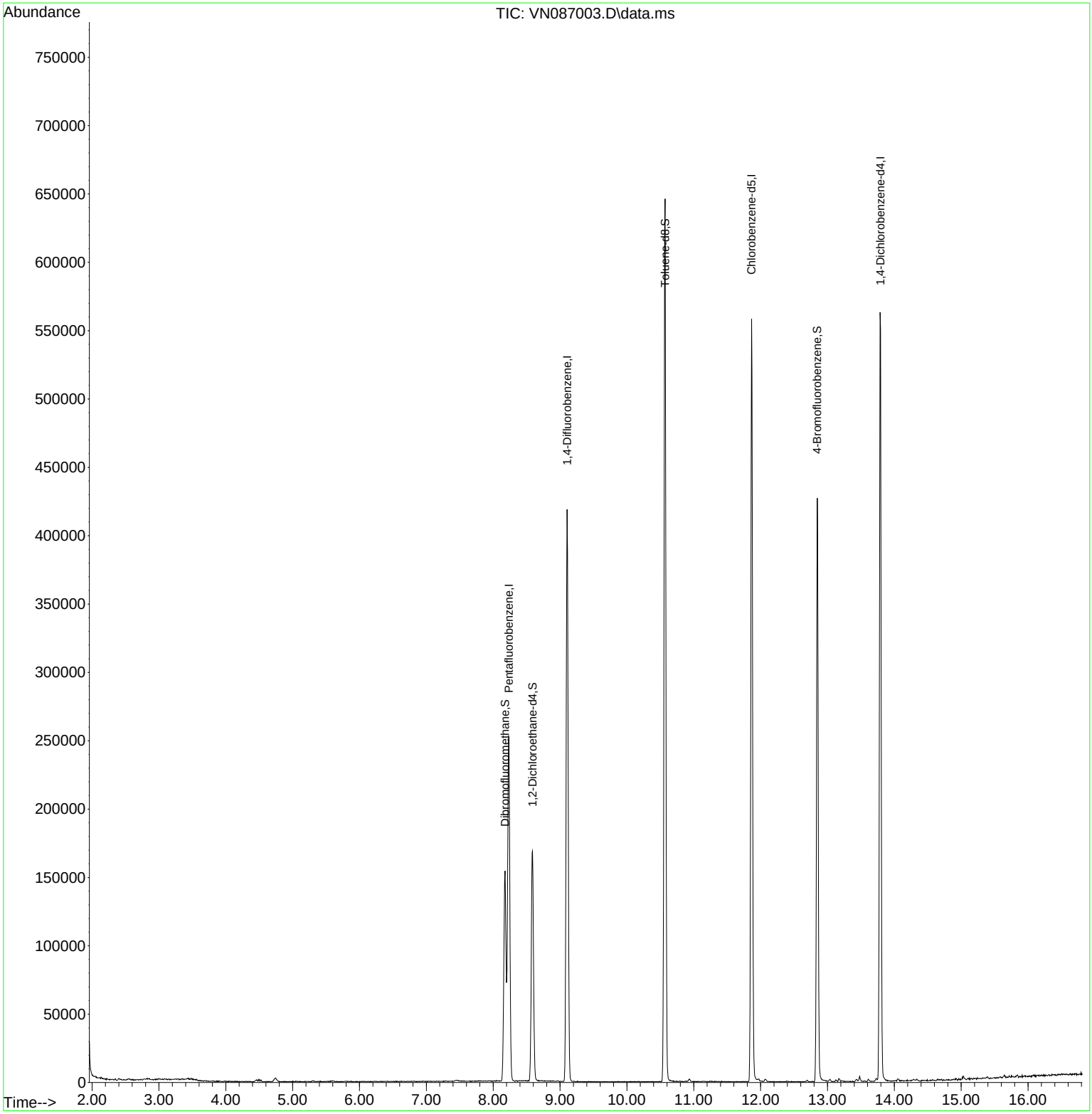
(#) = qualifier out of range (m) = manual integration (+) = signals summed

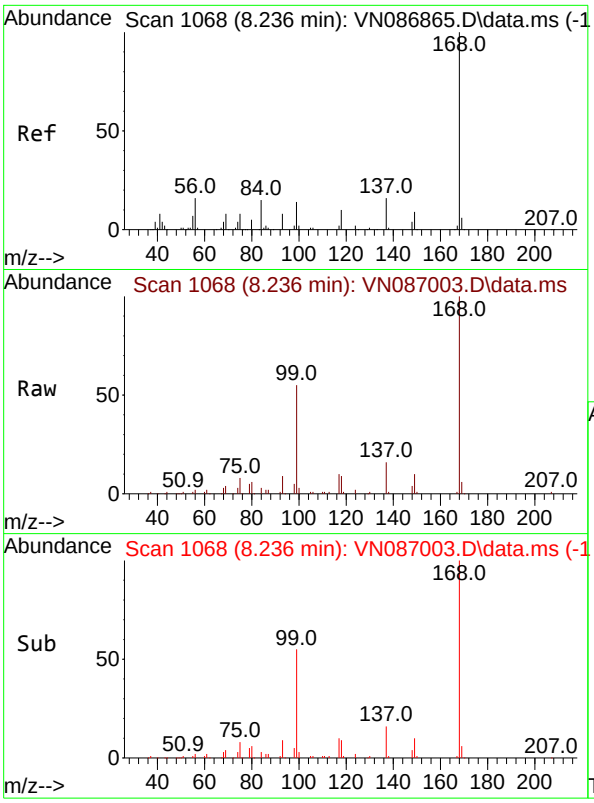
Sample Results: **VN087003.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087003.D
Acq On : 13 Jun 2025 15:50
Operator : JC\MD
Sample : Q2314-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-TB-20250610

Quant Time: Jun 14 00:30:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



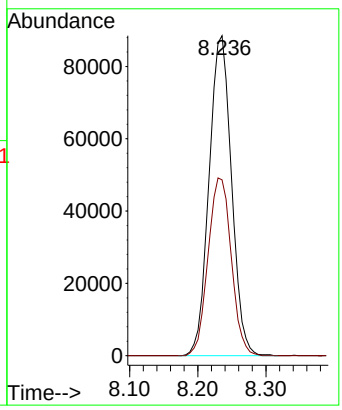


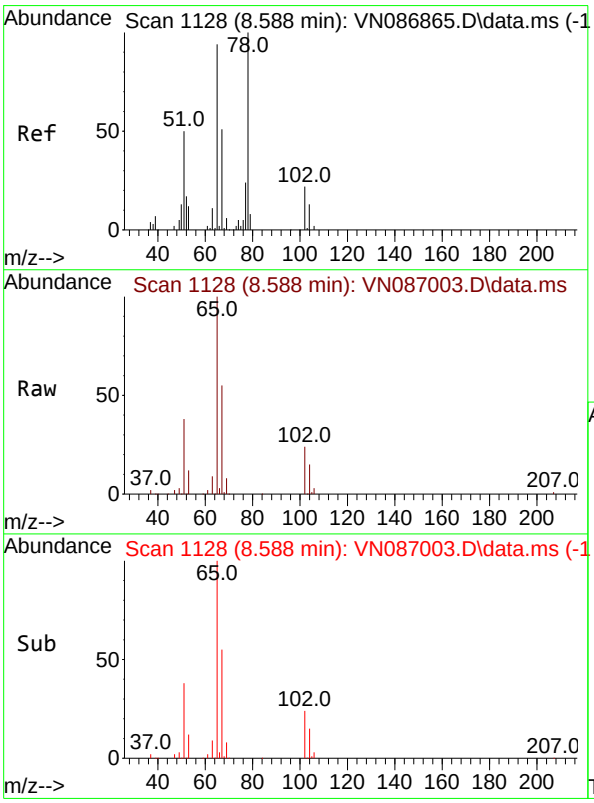
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087003.D
Acq: 13 Jun 2025 15:50

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-TB-20250610

Tgt Ion:168 Resp: 202860

Ion	Ratio	Lower	Upper
168	100		
99	55.0	49.1	73.7

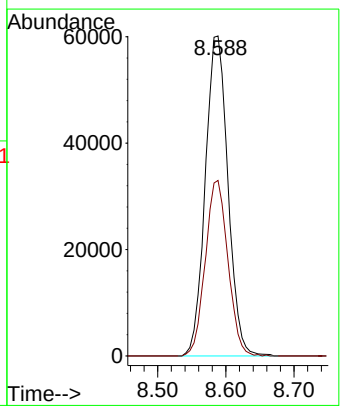


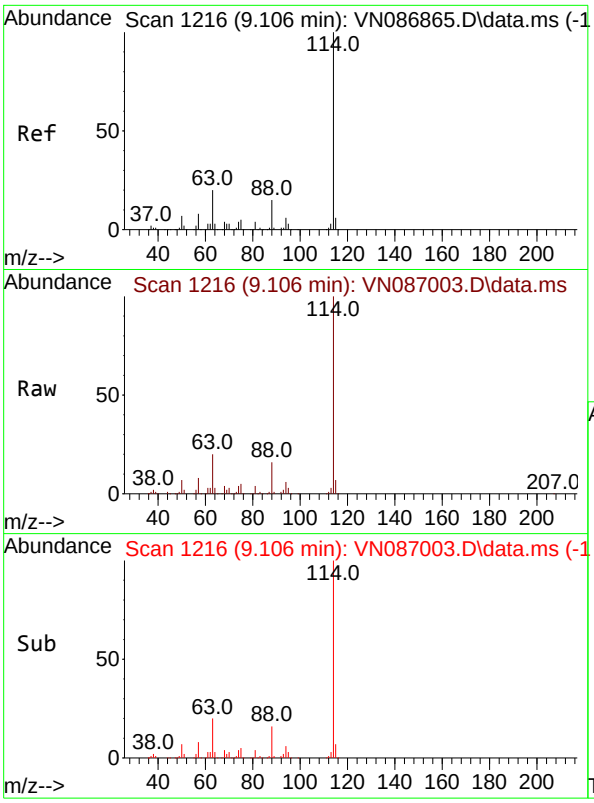


#33
1,2-Dichloroethane-d4
Concen: 51.186 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087003.D
Acq: 13 Jun 2025 15:50

Tgt Ion: 65 Resp: 139024

Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	105.6



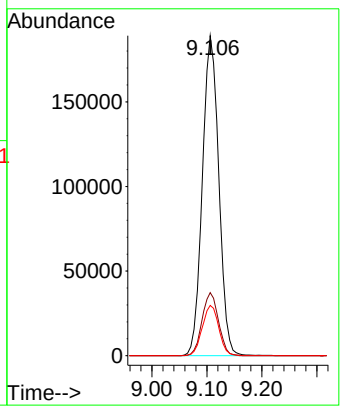


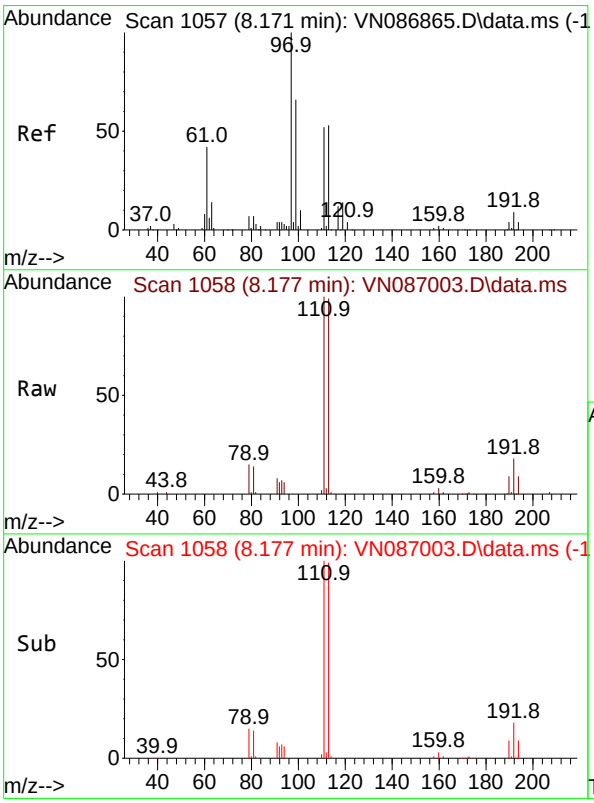
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087003.D
Acq: 13 Jun 2025 15:50

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-TB-20250610

Tgt Ion:114 Resp: 392535

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.6
88	15.7	0.0	30.2

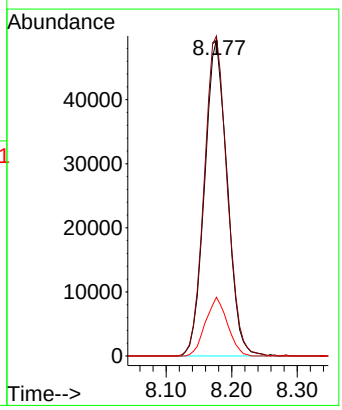


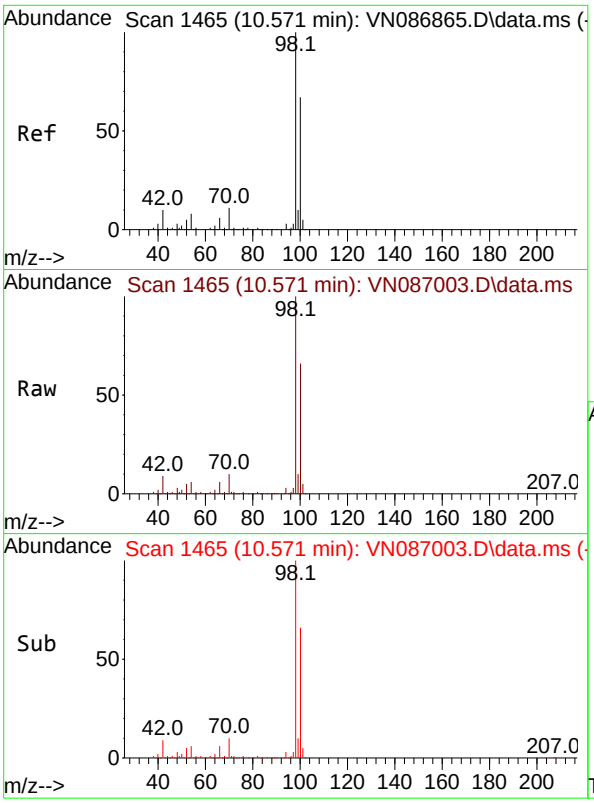


#35
Dibromofluoromethane
Concen: 50.716 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087003.D
Acq: 13 Jun 2025 15:50

Tgt Ion:113 Resp: 117978

Ion	Ratio	Lower	Upper
113	100		
111	103.0	84.2	126.2
192	18.1	14.2	21.4



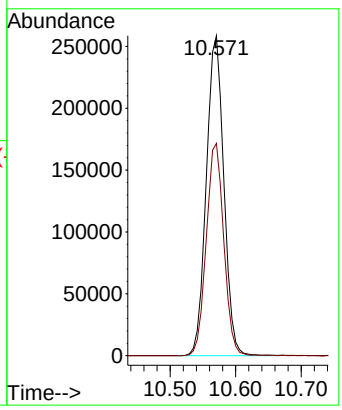


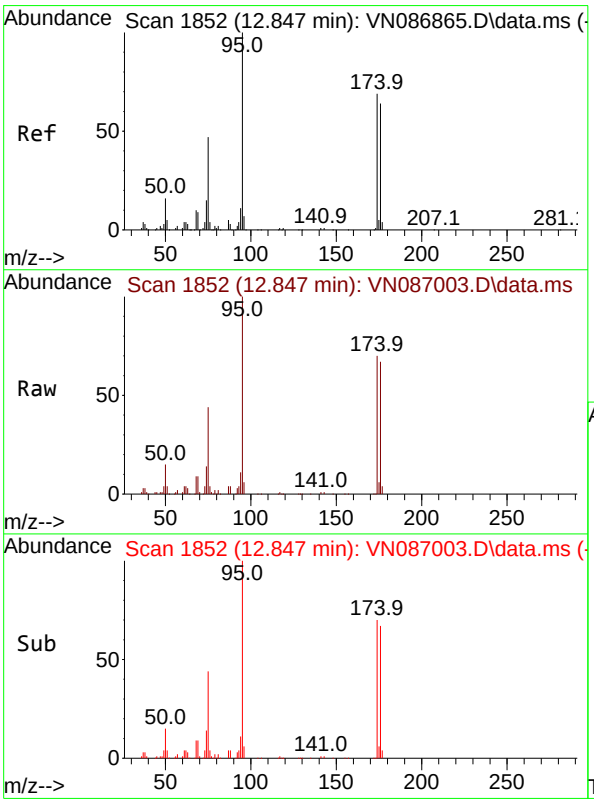
#50
Toluene-d8
Concen: 52.132 ug/l
RT: 10.571 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087003.D
Acq: 13 Jun 2025 15:50

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-TB-20250610

Tgt Ion: 98 Resp: 480084

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.4	80.0

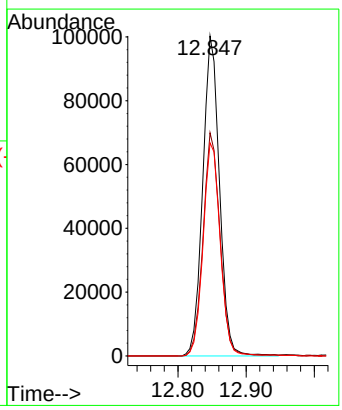


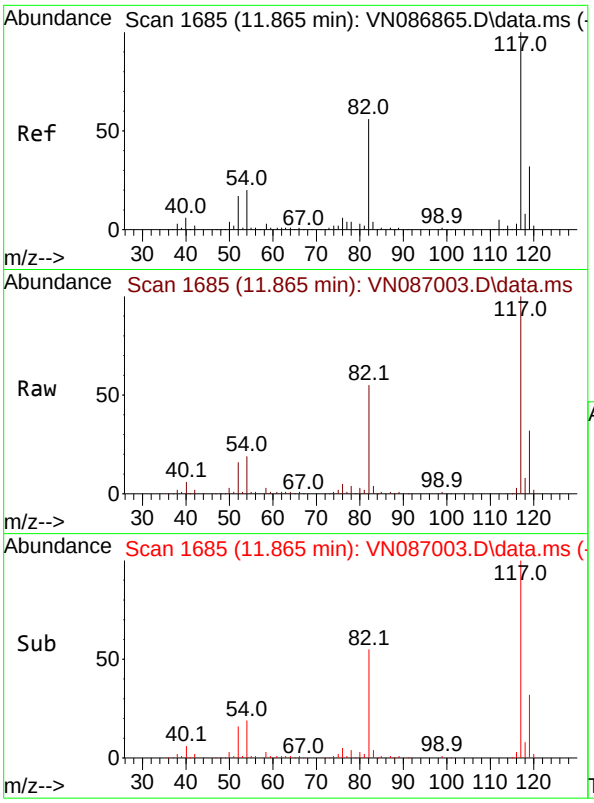


#62
4-Bromofluorobenzene
Concen: 50.154 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087003.D
Acq: 13 Jun 2025 15:50

Tgt Ion: 95 Resp: 171597

Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	141.8
176	68.0	0.0	132.6



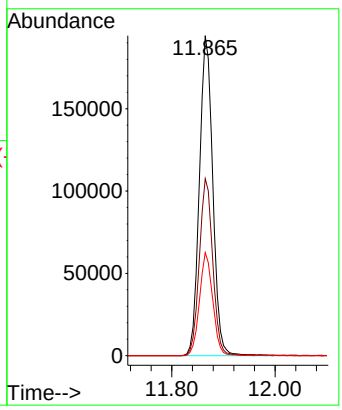


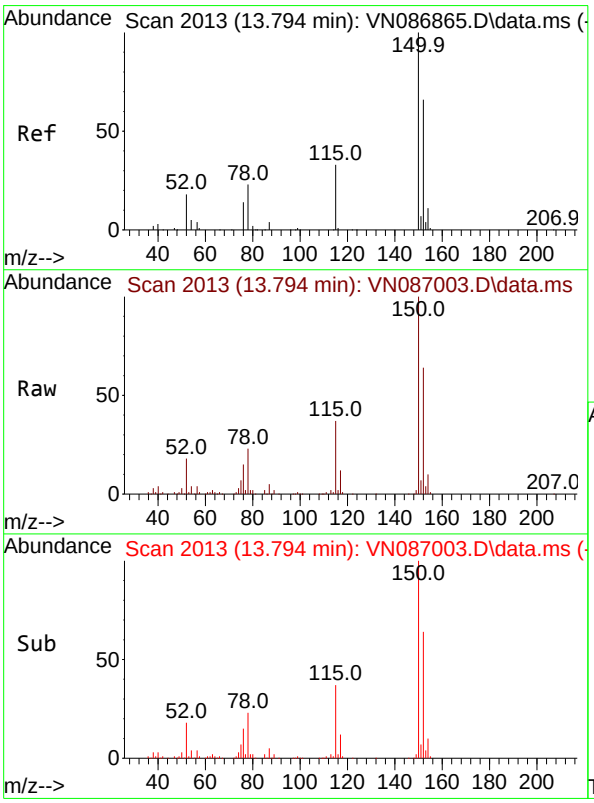
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087003.D
Acq: 13 Jun 2025 15:50

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-TB-20250610

Tgt Ion:117 Resp: 349983

Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.6	67.0
119	32.2	25.5	38.3

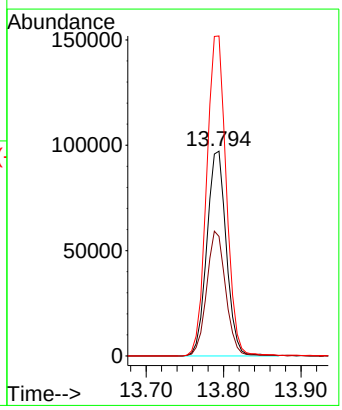




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN087003.D
Acq: 13 Jun 2025 15:50

Tgt Ion:152 Resp: 169487

Ion	Ratio	Lower	Upper
152	100		
115	59.9	30.1	90.5
150	157.7	0.0	345.0



Sample Results: **VN087003.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087003.D
Acq On : 13 Jun 2025 15:50
Operator : JC\MD
Sample : Q2314-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-TB-20250610

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_N\methods\82N060625W.M
Title : SW846 8260

Signal : TIC: VN087003.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.177	1048	1058	1062	rBV	153629	359805	29.81%	5.886%
2	8.236	1062	1068	1079	rVB	251114	585590	48.52%	9.579%
3	8.588	1119	1128	1142	rBV	168300	387566	32.12%	6.340%
4	9.106	1206	1216	1229	rBV	418637	864010	71.59%	14.133%
5	10.571	1456	1465	1476	rBV	645932	1206806	100.00%	19.741%
6	11.865	1676	1685	1698	rBV	558059	1004097	83.20%	16.425%
7	12.847	1844	1852	1862	rBV	426877	733010	60.74%	11.990%
8	13.788	2005	2012	2026	rVB	561713	972389	80.58%	15.906%

Sum of corrected areas: 6113273

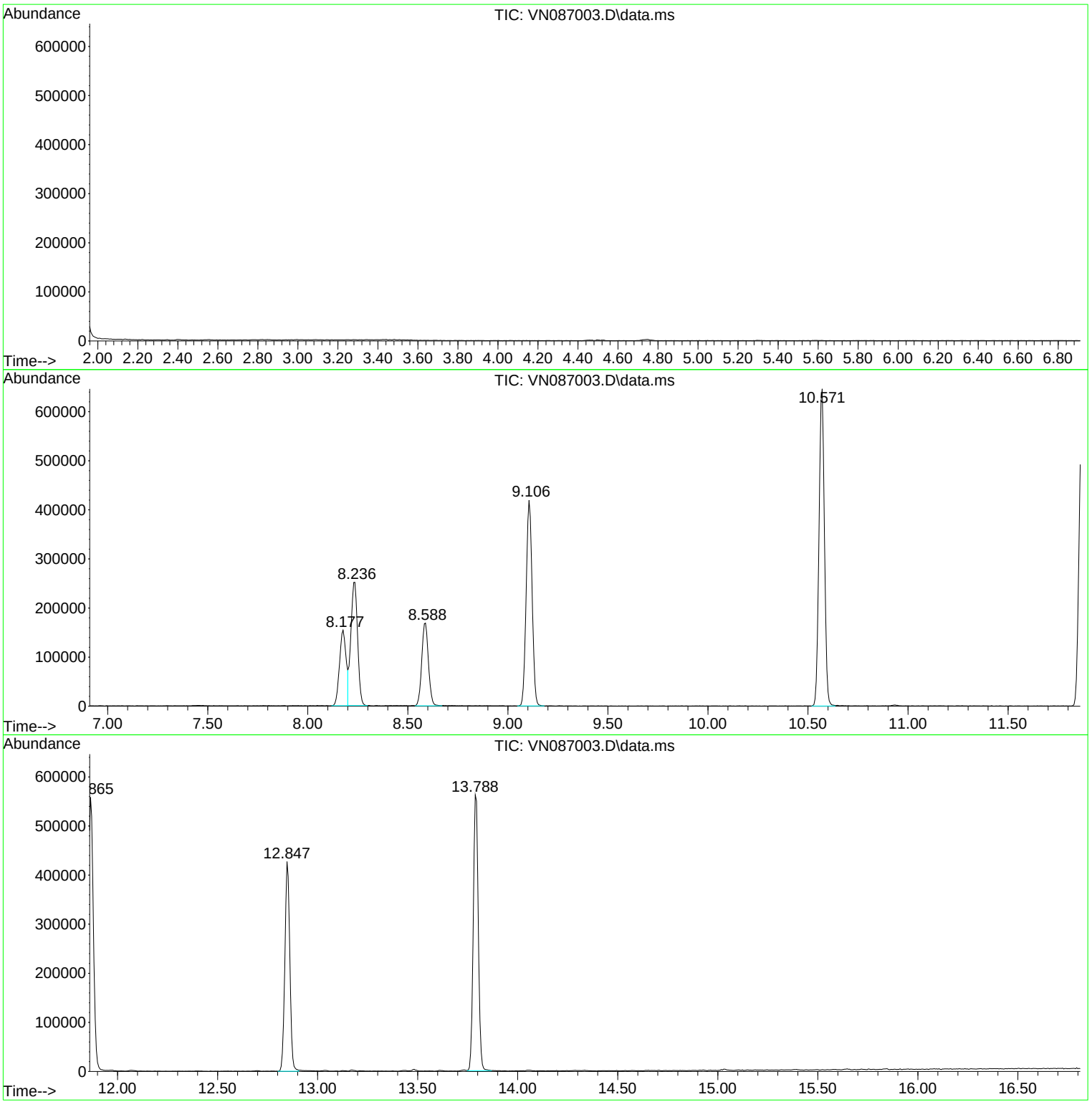
Sample Results: **VN087003.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087003.D
Acq On : 13 Jun 2025 15:50
Operator : JC\MD
Sample : Q2314-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-TB-20250610

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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_N\Data\VN061325\
Data File : VN087003.D
Acq On : 13 Jun 2025 15:50
Operator : JC\MD
Sample : Q2314-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-TB-20250610

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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_N\Data\VN061325\
Data File : VN087003.D
Acq On : 13 Jun 2025 15:50
Operator : JC\MD
Sample : Q2314-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-TB-20250610

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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: **VN087006.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/10/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/12/25
Client Sample ID:	BP-VPB-182-GW-820-822	SDG No.:	Q2314
Lab Sample ID:	Q2314-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087006.D	1		06/13/25 16:56	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	7.70		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	1.20		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L

Raw Data: **VN087006.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/10/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/12/25
Client Sample ID:	BP-VPB-182-GW-820-822	SDG No.:	Q2314
Lab Sample ID:	Q2314-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087006.D	1		06/13/25 16:56	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.0		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	51.9		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	194000	8.235				
540-36-3	1,4-Difluorobenzene	388000	9.106				
3114-55-4	Chlorobenzene-d5	349000	11.864				
3855-82-1	1,4-Dichlorobenzene-d4	167000	13.794				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Raw Data: **VN087006.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/10/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/12/25
Client Sample ID:	BP-VPB-182-GW-820-822	SDG No.:	Q2314
Lab Sample ID:	Q2314-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087006.D	1		06/13/25 16:56	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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: **VN087006.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087006.D
Acq On : 13 Jun 2025 16:56
Operator : JC\MD
Sample : Q2314-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-820-822

Quant Time: Jun 14 00:31:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

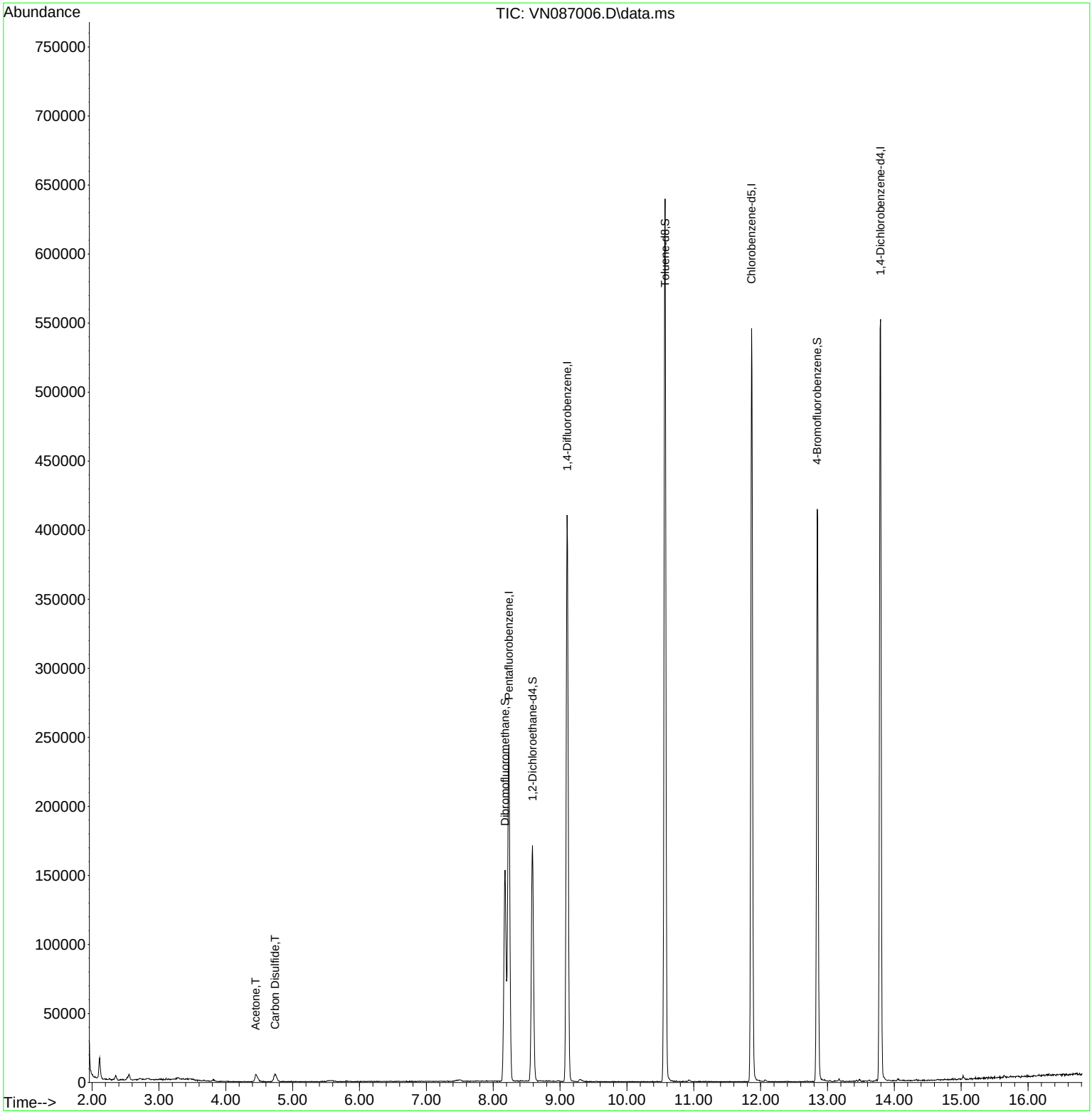
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	193783	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	387947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	349080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	167434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	139982	53.953	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.900%			
35) Dibromofluoromethane	8.176	113	117753	51.218	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.440%			
50) Toluene-d8	10.570	98	472614	51.928	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.860%			
62) 4-Bromofluorobenzene	12.847	95	168301	49.772	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.540%			
Target Compounds						Qvalue
16) Acetone	4.447	43	10635	7.729	ug/l	95
17) Carbon Disulfide	4.735	76	6983	1.170	ug/l #	75

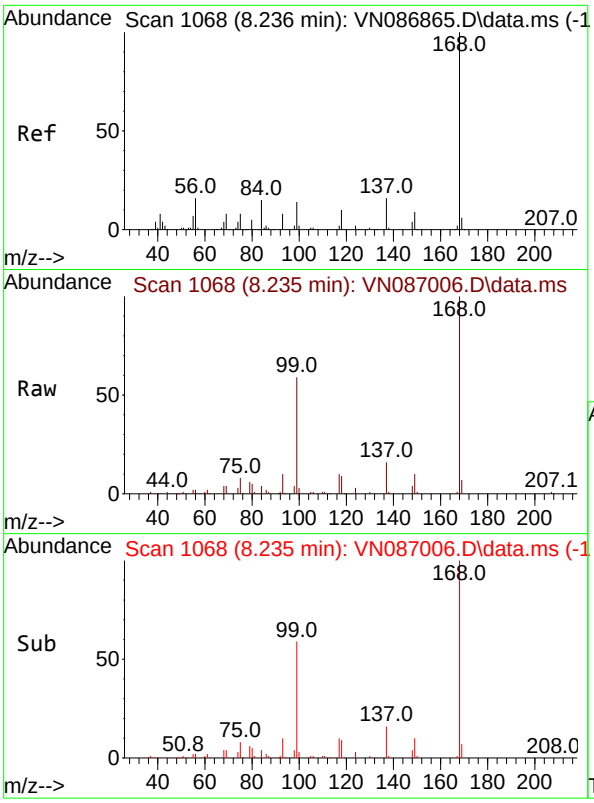
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087006.D
Acq On : 13 Jun 2025 16:56
Operator : JC\MD
Sample : Q2314-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-820-822

Quant Time: Jun 14 00:31:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



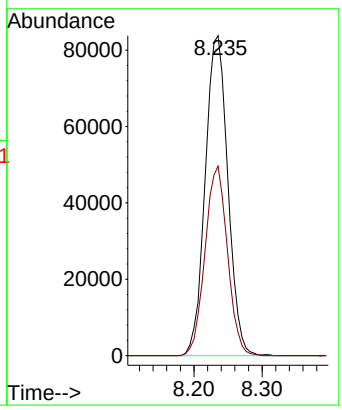


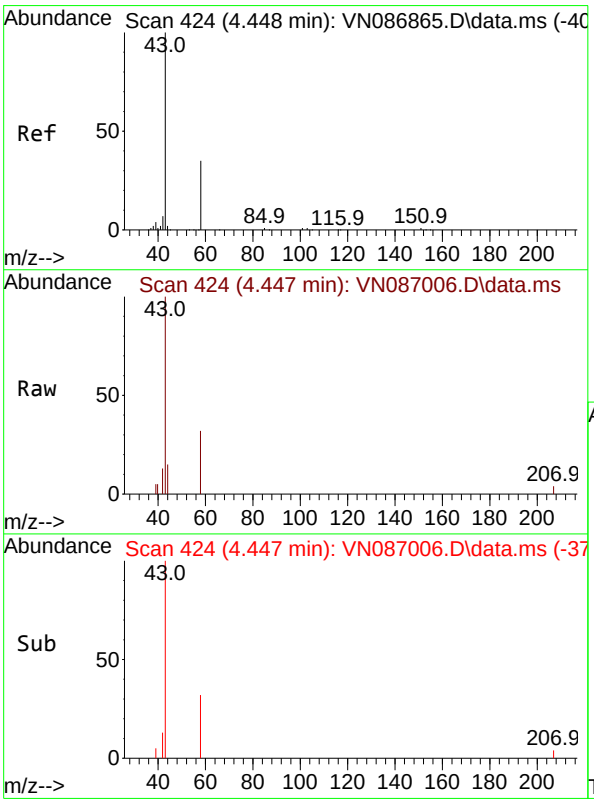
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN087006.D
Acq: 13 Jun 2025 16:56

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-820-822

Tgt Ion:168 Resp: 193783

Ion	Ratio	Lower	Upper
168	100		
99	59.2	49.1	73.7

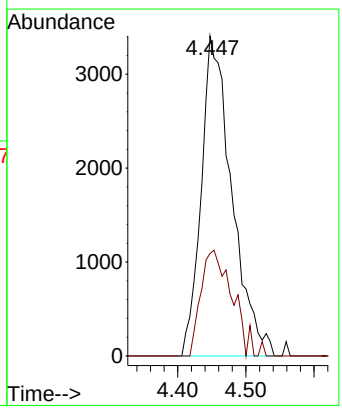


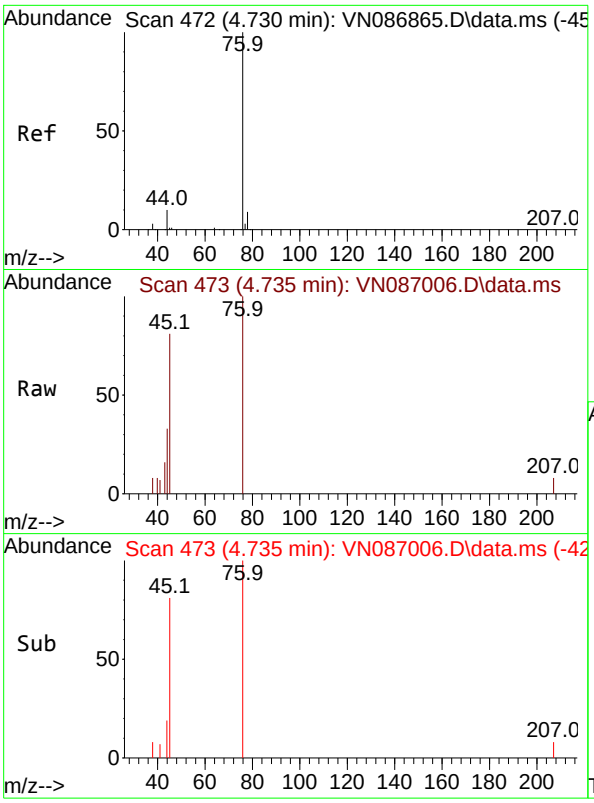


#16
Acetone
Concen: 7.729 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN087006.D
Acq: 13 Jun 2025 16:56

Tgt Ion: 43 Resp: 10635

Ion	Ratio	Lower	Upper
43	100		
58	32.0	28.0	42.0



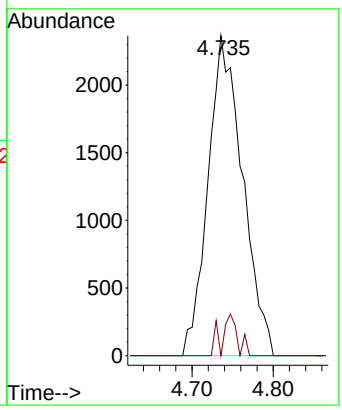


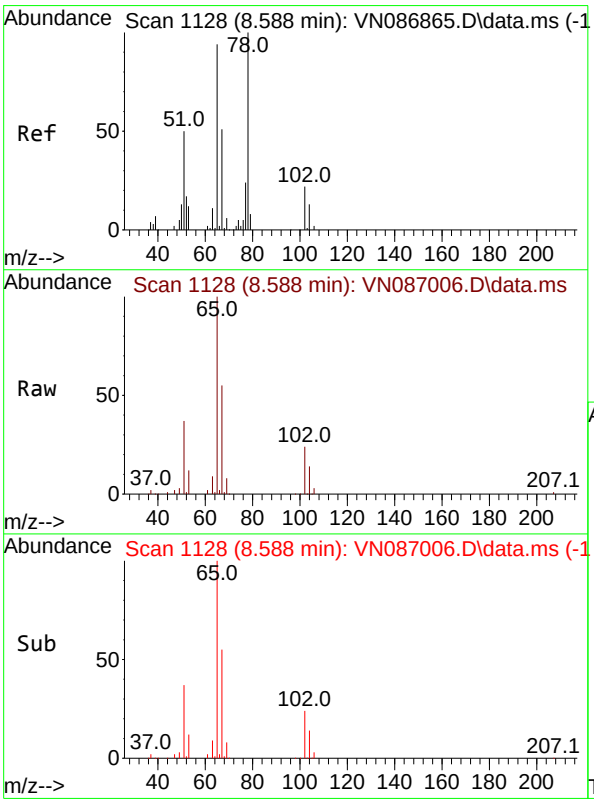
#17
Carbon Disulfide
Concen: 1.170 ug/l
RT: 4.735 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN087006.D
Acq: 13 Jun 2025 16:56

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-820-822

Tgt Ion: 76 Resp: 6983

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.3	10.9#

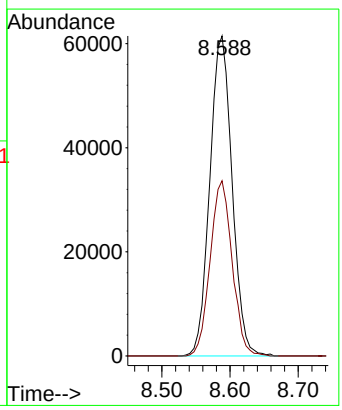


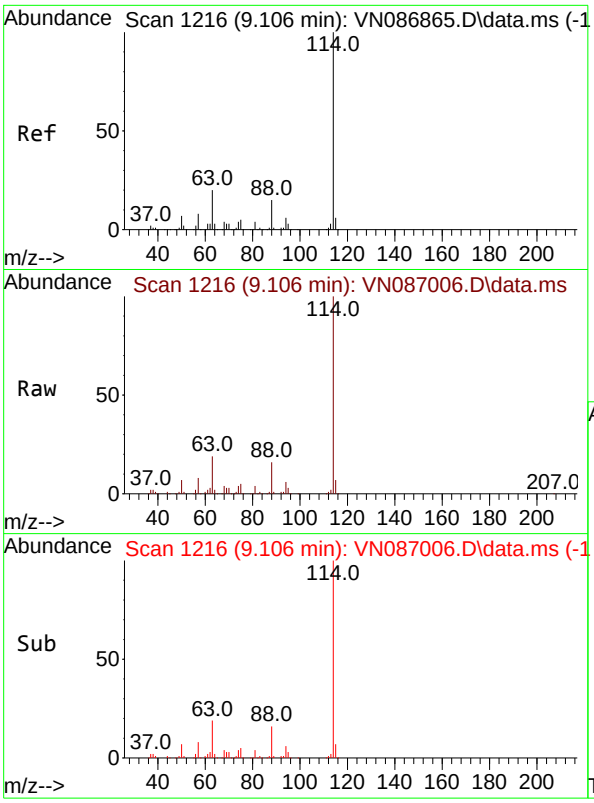


#33
1,2-Dichloroethane-d4
Concen: 53.953 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087006.D
Acq: 13 Jun 2025 16:56

Tgt Ion: 65 Resp: 139982

Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	105.6



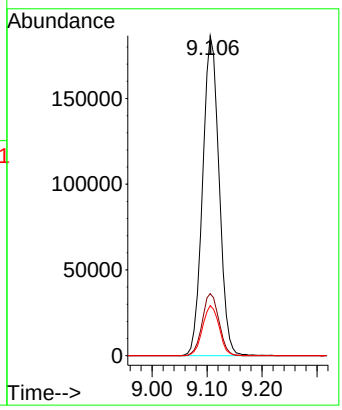


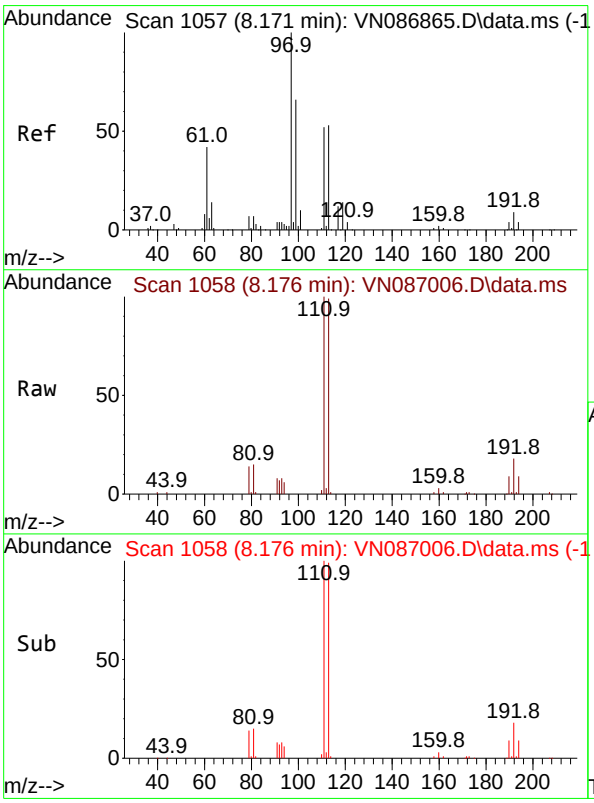
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087006.D
Acq: 13 Jun 2025 16:56

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-820-822

Tgt Ion:114 Resp: 387947

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.6
88	15.6	0.0	30.2

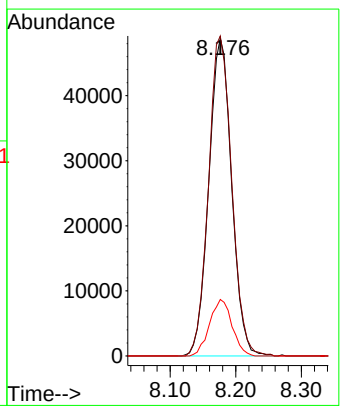


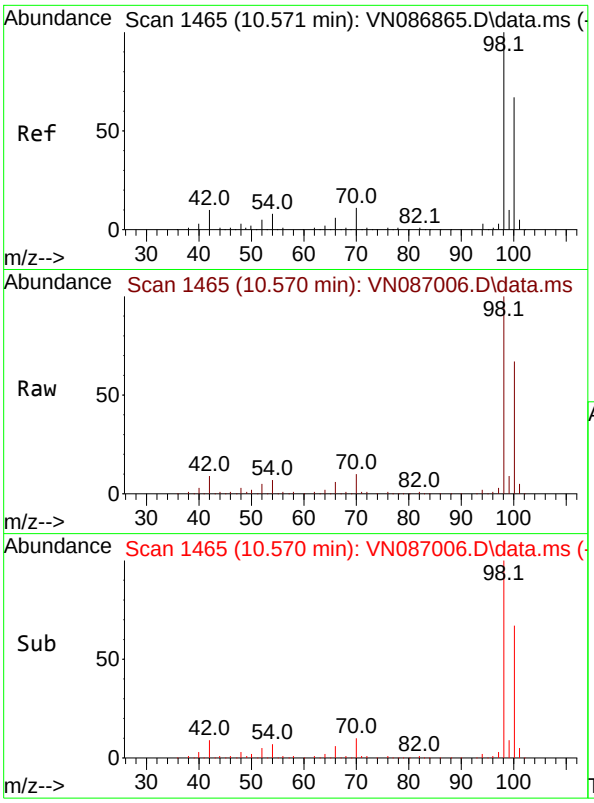


#35
Dibromofluoromethane
Concen: 51.218 ug/l
RT: 8.176 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087006.D
Acq: 13 Jun 2025 16:56

Tgt Ion:113 Resp: 117753

Ion	Ratio	Lower	Upper
113	100		
111	102.5	84.2	126.2
192	17.5	14.2	21.4



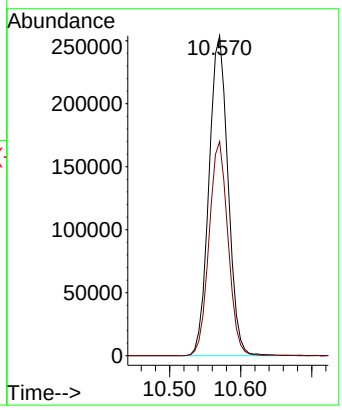


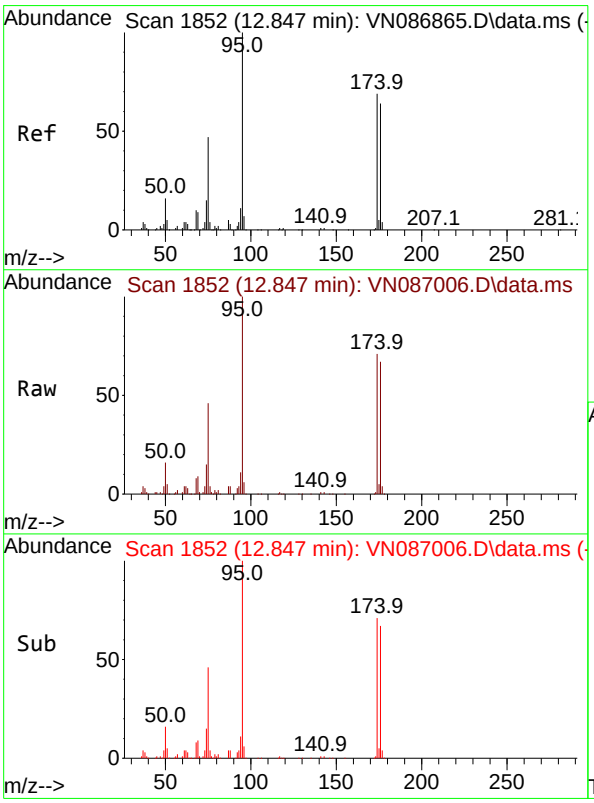
#50
Toluene-d8
Concen: 51.928 ug/l
RT: 10.570 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087006.D
Acq: 13 Jun 2025 16:56

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-820-822

Tgt Ion: 98 Resp: 472614

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.4	80.0

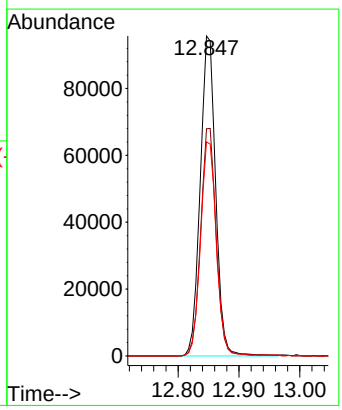


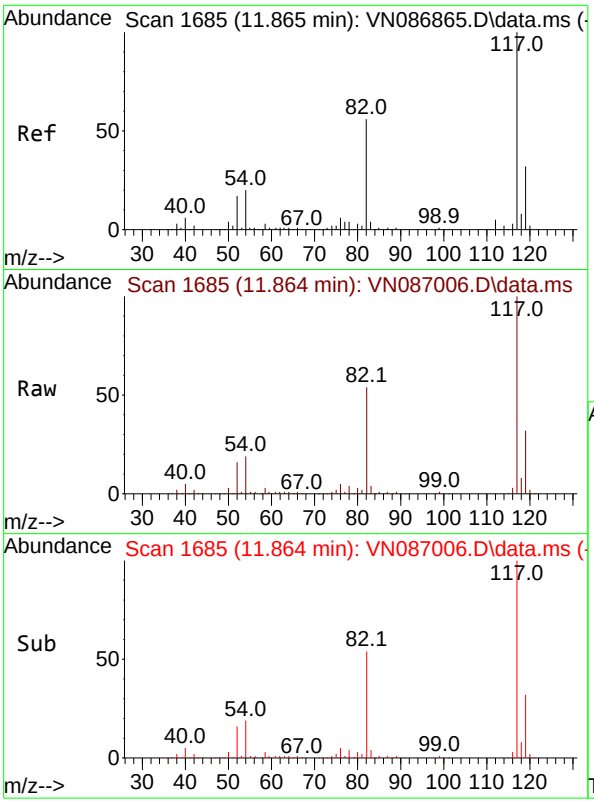


#62
4-Bromofluorobenzene
Concen: 49.772 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087006.D
Acq: 13 Jun 2025 16:56

Tgt Ion: 95 Resp: 168301

Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	141.8
176	68.1	0.0	132.6



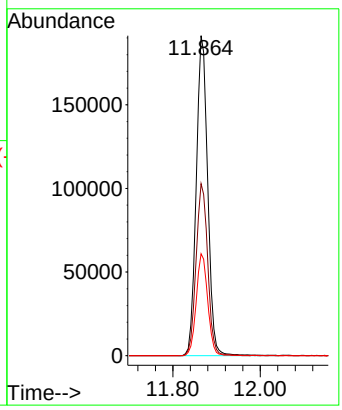


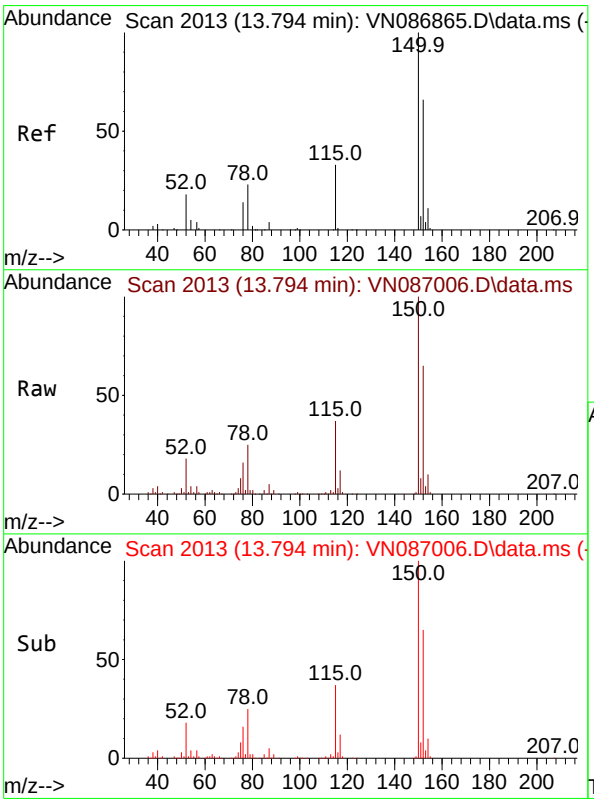
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087006.D
Acq: 13 Jun 2025 16:56

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-820-822

Tgt Ion:117 Resp: 349080

Ion	Ratio	Lower	Upper
117	100		
82	53.7	44.6	67.0
119	31.9	25.5	38.3

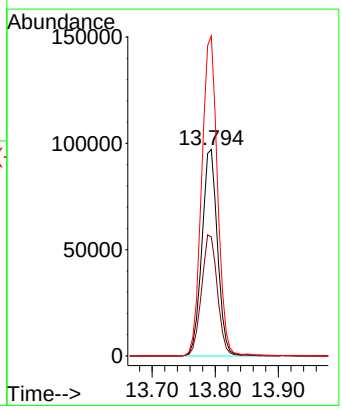




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN087006.D
Acq: 13 Jun 2025 16:56

Tgt Ion:152 Resp: 167434

Ion	Ratio	Lower	Upper
152	100		
115	59.8	30.1	90.5
150	156.9	0.0	345.0



Sample Results: **VN087006.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087006.D
Acq On : 13 Jun 2025 16:56
Operator : JC\MD
Sample : Q2314-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-820-822

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_N\methods\82N060625W.M
Title : SW846 8260

Signal : TIC: VN087006.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.112	21	27	35	rVB3	15482	26121	2.18%	0.428%
2	4.447	416	424	435	rBV	5213	14838	1.24%	0.243%
3	4.735	463	473	483	rBV3	5777	18379	1.54%	0.301%
4	8.176	1048	1058	1062	rBV	152828	356583	29.81%	5.838%
5	8.235	1062	1068	1079	rVB	243727	562832	47.05%	9.214%
6	8.588	1118	1128	1141	rVB	170923	388688	32.49%	6.363%
7	9.106	1205	1216	1227	rBV	410513	855331	71.49%	14.003%
8	10.570	1456	1465	1480	rBV	639425	1196363	100.00%	19.586%
9	11.864	1676	1685	1698	rBV	545534	998081	83.43%	16.340%
10	12.847	1844	1852	1865	rBV	414864	727638	60.82%	11.913%
11	13.794	2004	2013	2022	rBV	551701	963271	80.52%	15.770%

Sum of corrected areas: 6108125

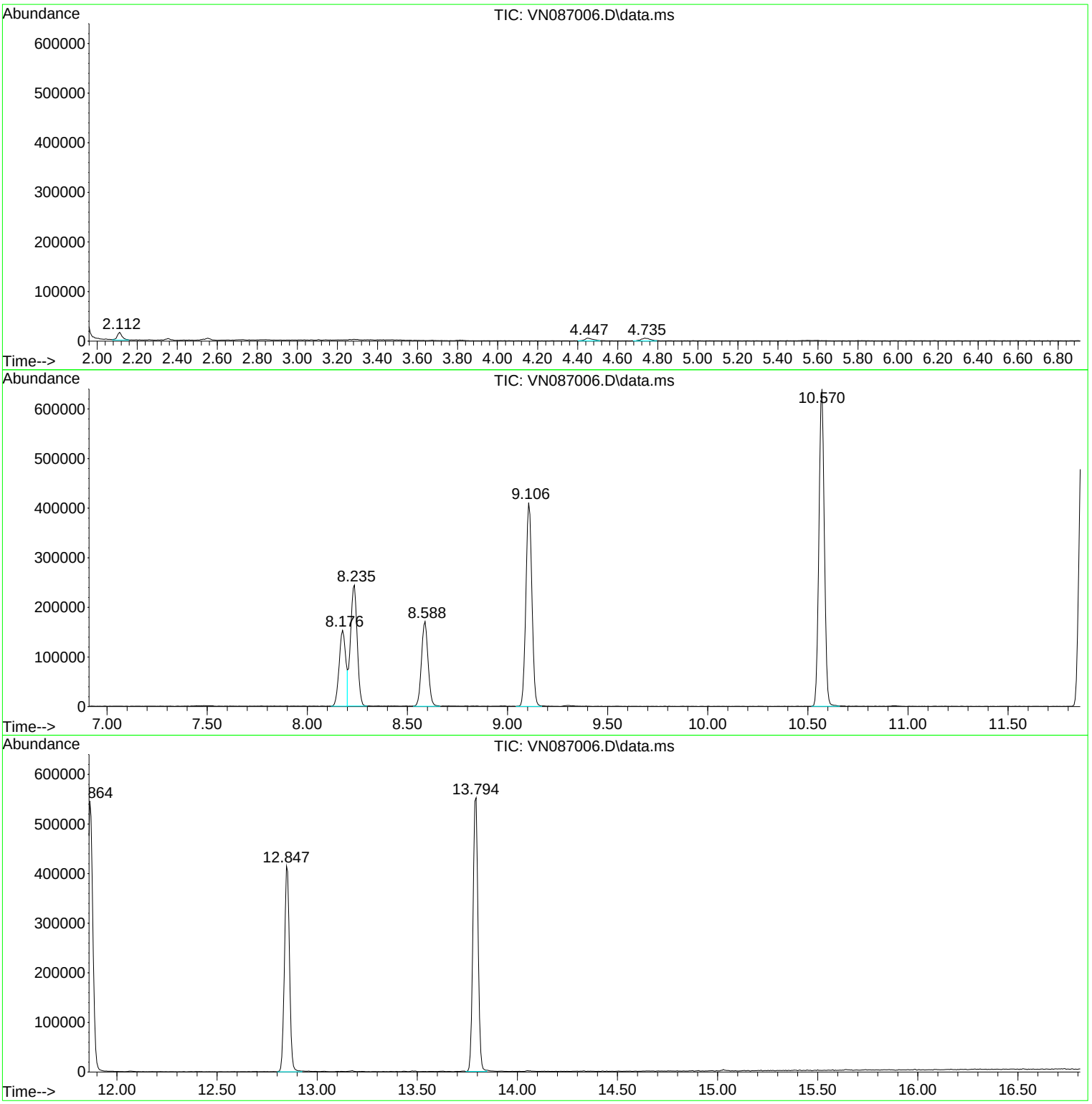
Sample Results: **VN087006.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087006.D
Acq On : 13 Jun 2025 16:56
Operator : JC\MD
Sample : Q2314-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-820-822

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087006.D
Acq On : 13 Jun 2025 16:56
Operator : JC\MD
Sample : Q2314-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-820-822

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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_N\Data\VN061325\
Data File : VN087006.D
Acq On : 13 Jun 2025 16:56
Operator : JC\MD
Sample : Q2314-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-820-822

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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: **VN087005.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/12/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/12/25
Client Sample ID:	BP-VPB-182-GW-880-882	SDG No.:	Q2314
Lab Sample ID:	Q2314-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087005.D	1		06/13/25 16:34	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L

Raw Data: **VN087005.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/12/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/12/25
Client Sample ID:	BP-VPB-182-GW-880-882	SDG No.:	Q2314
Lab Sample ID:	Q2314-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087005.D	1		06/13/25 16:34	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.7		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	51.7		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	207000	8.236				
540-36-3	1,4-Difluorobenzene	419000	9.106				
3114-55-4	Chlorobenzene-d5	374000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	177000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Raw Data: **VN087005.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/12/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/12/25
Client Sample ID:	BP-VPB-182-GW-880-882	SDG No.:	Q2314
Lab Sample ID:	Q2314-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087005.D	1		06/13/25 16:34	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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_N\Data\VN061325\
Data File : VN087005.D
Acq On : 13 Jun 2025 16:34
Operator : JC\MD
Sample : Q2314-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-880-882

Quant Time: Jun 14 00:31:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	207419	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	418529	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	374011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	177372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	149117	53.695	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.400%			
35) Dibromofluoromethane	8.177	113	125324	50.528	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.060%			
50) Toluene-d8	10.571	98	507804	51.717	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.440%			
62) 4-Bromofluorobenzene	12.847	95	182551	50.041	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.080%			

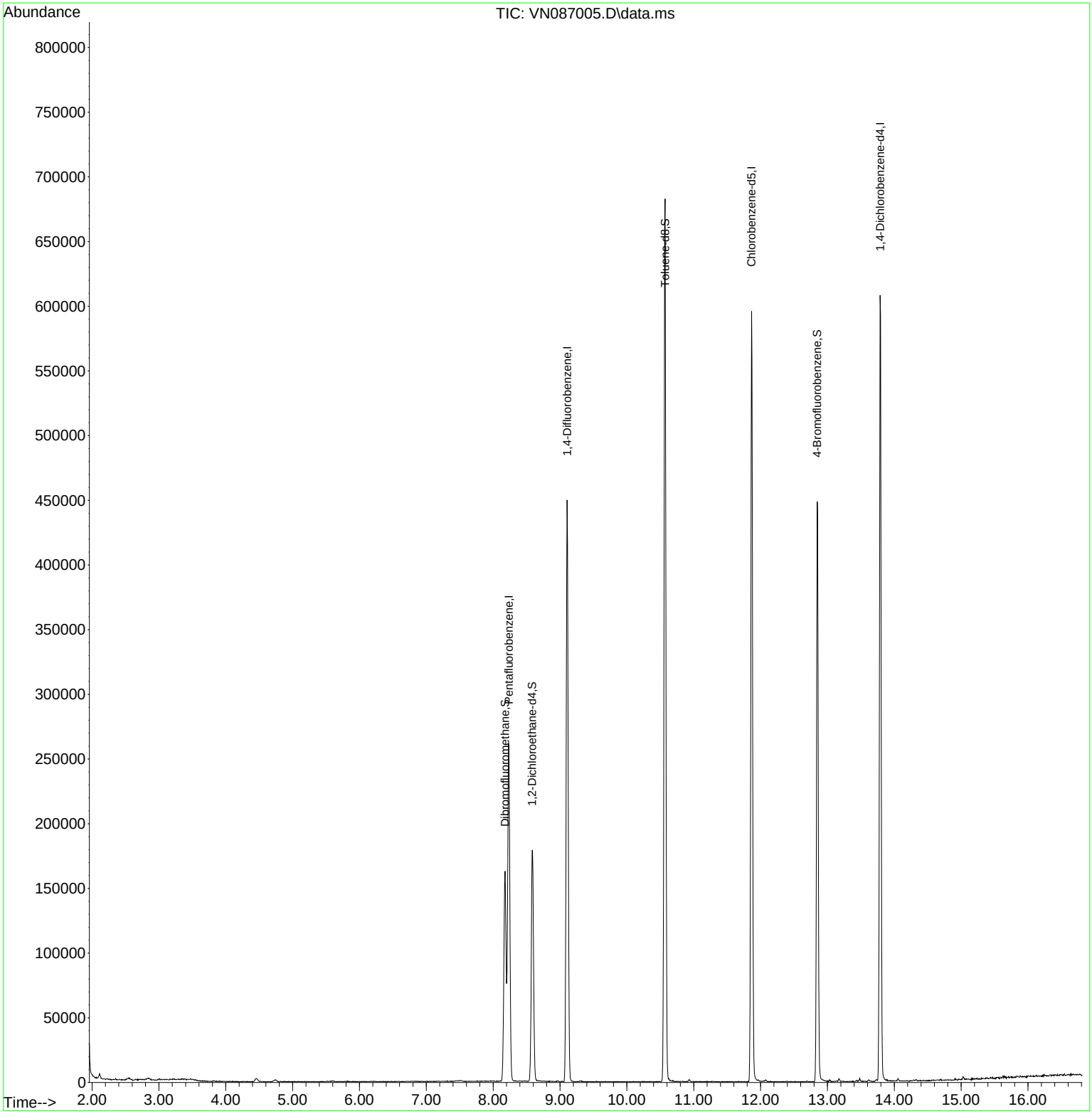
Target Compounds Qvalue

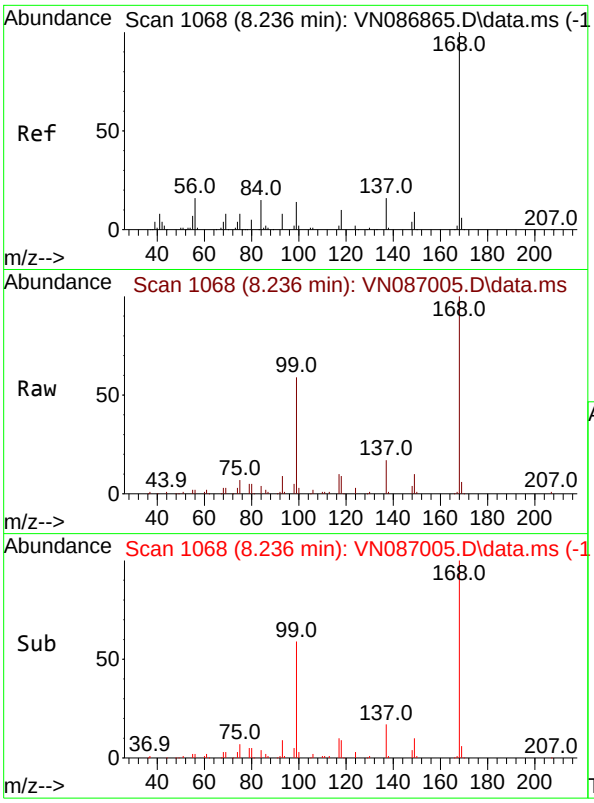
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087005.D
Acq On : 13 Jun 2025 16:34
Operator : JC\MD
Sample : Q2314-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-880-882

Quant Time: Jun 14 00:31:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



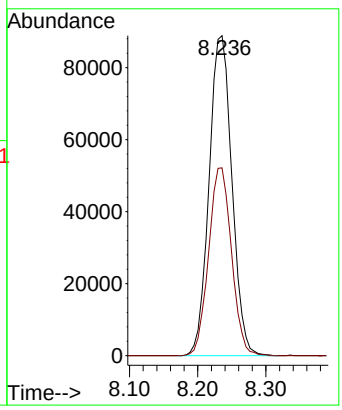


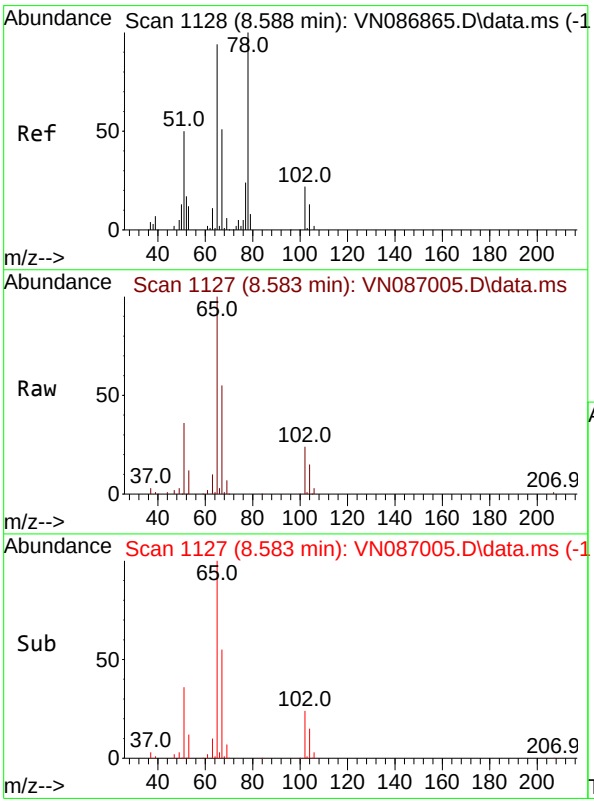
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087005.D
Acq: 13 Jun 2025 16:34

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-880-882

Tgt Ion:168 Resp: 207419

Ion	Ratio	Lower	Upper
168	100		
99	58.7	49.1	73.7

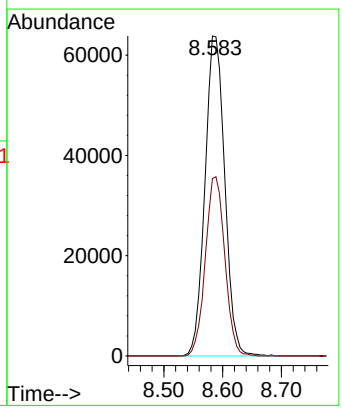


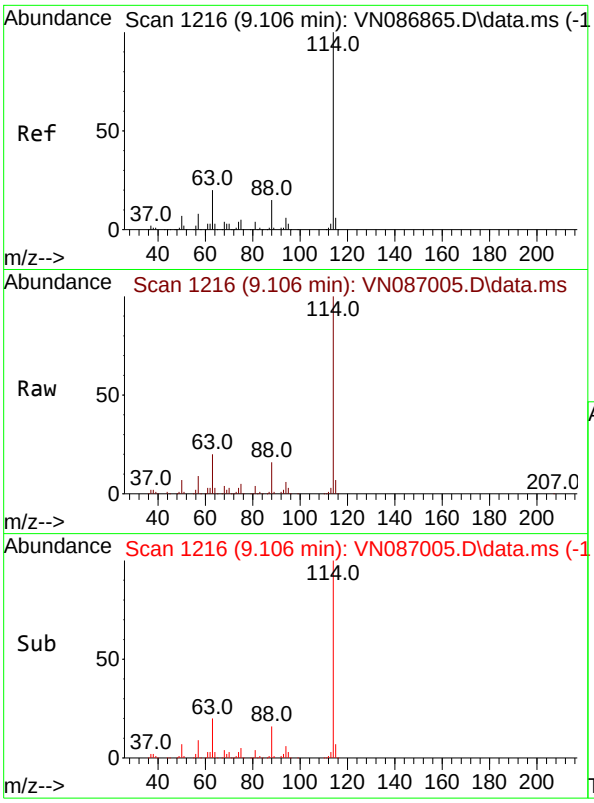


#33
1,2-Dichloroethane-d4
Concen: 53.695 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087005.D
Acq: 13 Jun 2025 16:34

Tgt Ion: 65 Resp: 149117

Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	105.6



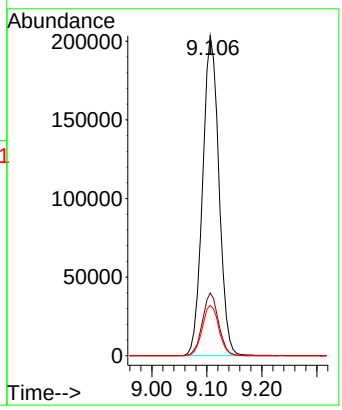


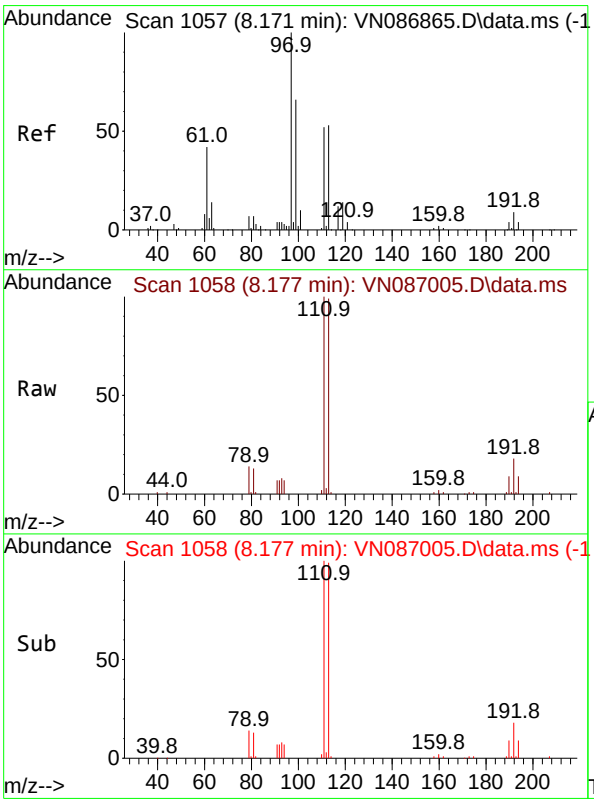
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087005.D
Acq: 13 Jun 2025 16:34

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-880-882

Tgt Ion:114 Resp: 418529

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.6
88	15.7	0.0	30.2

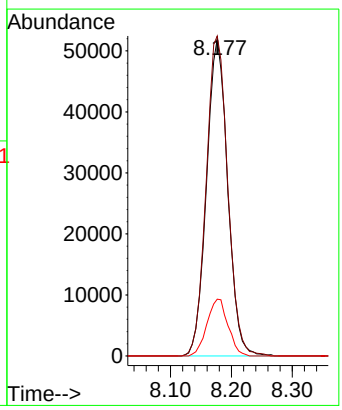


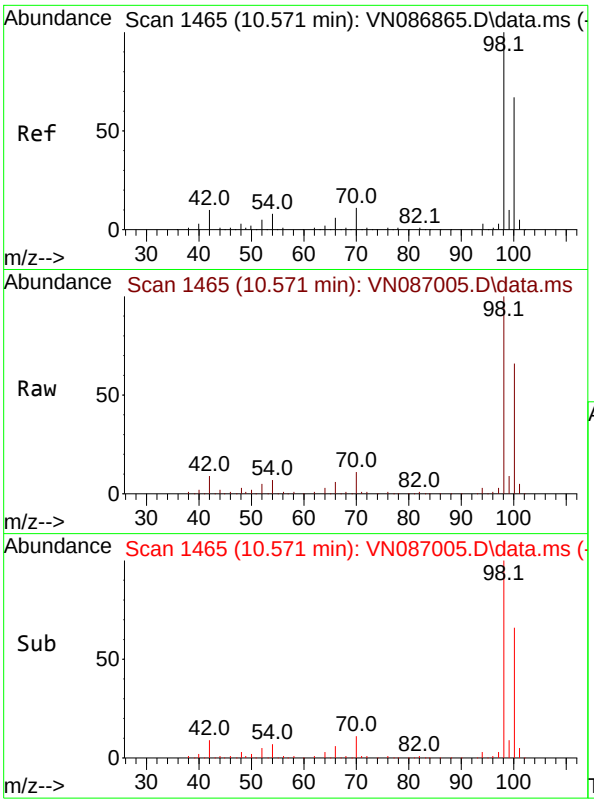


#35
Dibromofluoromethane
Concen: 50.528 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087005.D
Acq: 13 Jun 2025 16:34

Tgt Ion:113 Resp: 125324

Ion	Ratio	Lower	Upper
113	100		
111	102.9	84.2	126.2
192	17.8	14.2	21.4



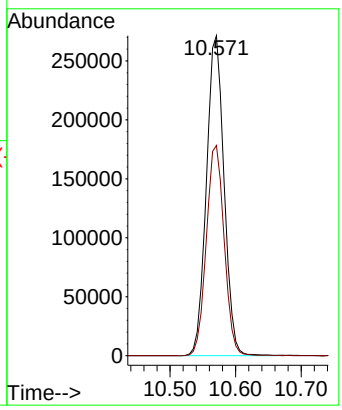


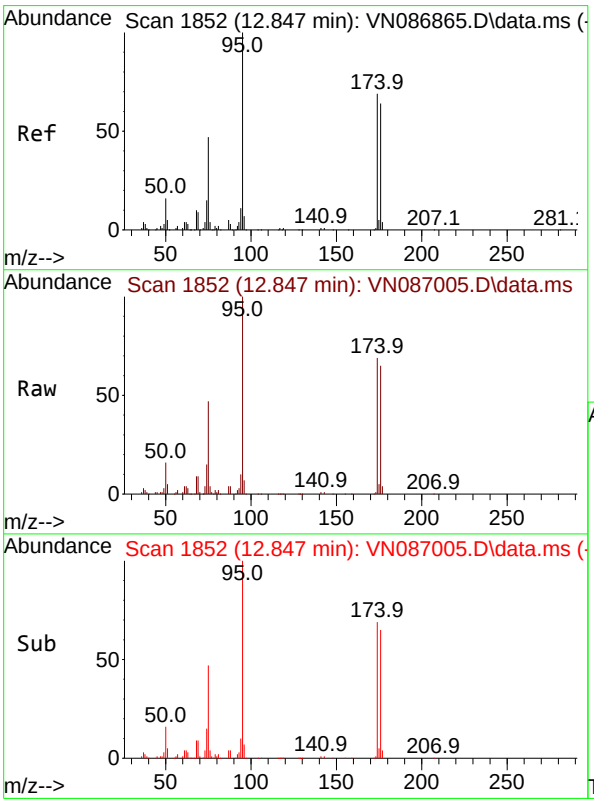
#50
Toluene-d8
Concen: 51.717 ug/l
RT: 10.571 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087005.D
Acq: 13 Jun 2025 16:34

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-880-882

Tgt Ion: 98 Resp: 507804

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.4	80.0

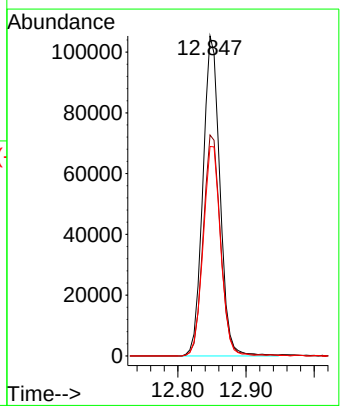


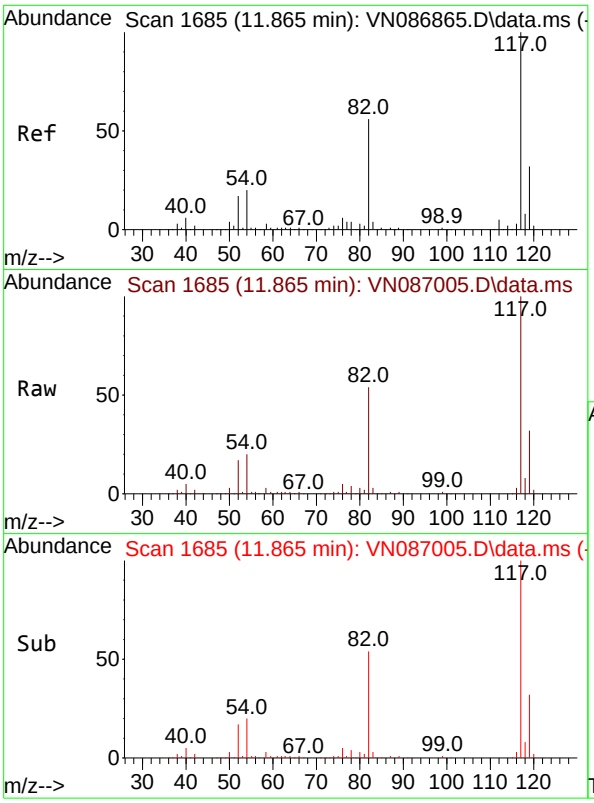


#62
4-Bromofluorobenzene
Concen: 50.041 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087005.D
Acq: 13 Jun 2025 16:34

Tgt Ion: 95 Resp: 182551

Ion	Ratio	Lower	Upper
95	100		
174	70.5	0.0	141.8
176	67.4	0.0	132.6



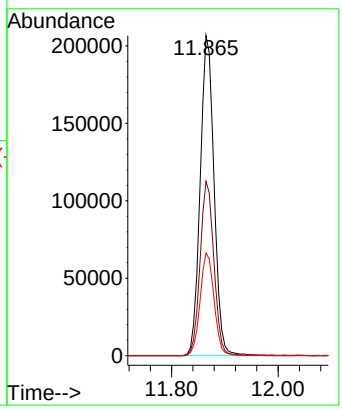


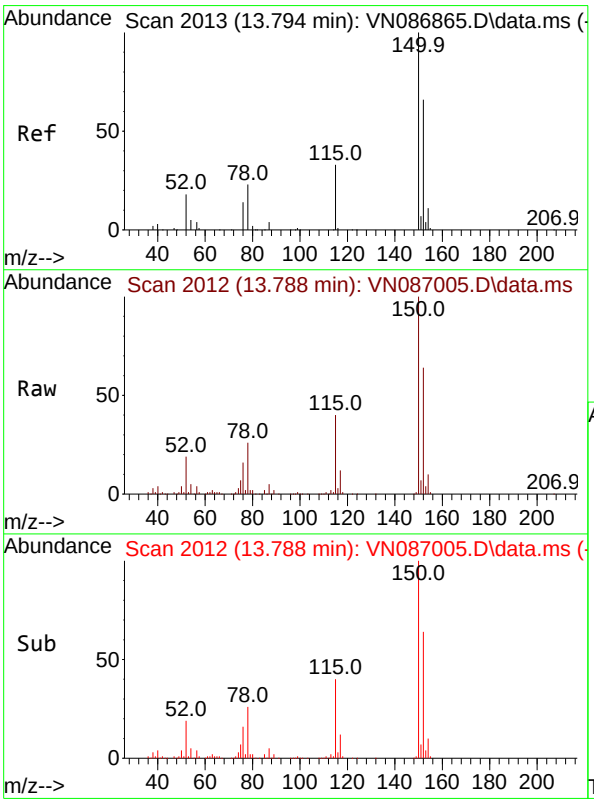
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087005.D
Acq: 13 Jun 2025 16:34

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-880-882

Tgt Ion:117 Resp: 374011

Ion	Ratio	Lower	Upper
117	100		
82	54.4	44.6	67.0
119	32.1	25.5	38.3

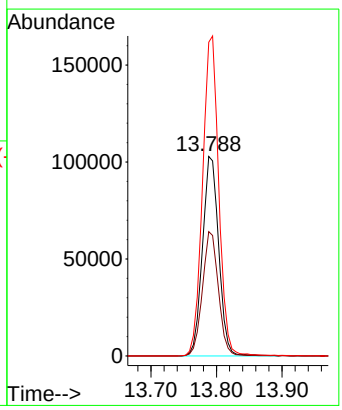




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087005.D
Acq: 13 Jun 2025 16:34

Tgt Ion:152 Resp: 177372

Ion	Ratio	Lower	Upper
152	100		
115	61.4	30.1	90.5
150	160.1	0.0	345.0



Sample Results: **VN087005.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087005.D
Acq On : 13 Jun 2025 16:34
Operator : JC\MD
Sample : Q2314-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-880-882

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_N\methods\82N060625W.M
Title : SW846 8260

Signal : TIC: VN087005.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.177	1048	1058	1062	rBV	162421	380097	29.68%	5.860%
2	8.230	1062	1067	1081	rVB	260815	606650	47.37%	9.353%
3	8.583	1117	1127	1139	rBV	178694	414283	32.35%	6.387%
4	9.106	1208	1216	1228	rBV	449626	915685	71.50%	14.117%
5	10.571	1456	1465	1477	rBV	682266	1280616	100.00%	19.743%
6	11.865	1677	1685	1700	rBV	595378	1073313	83.81%	16.547%
7	12.847	1844	1852	1863	rBV	448285	782010	61.07%	12.056%
8	13.788	2005	2012	2027	rBV	606971	1033658	80.72%	15.936%

Sum of corrected areas: 6486312

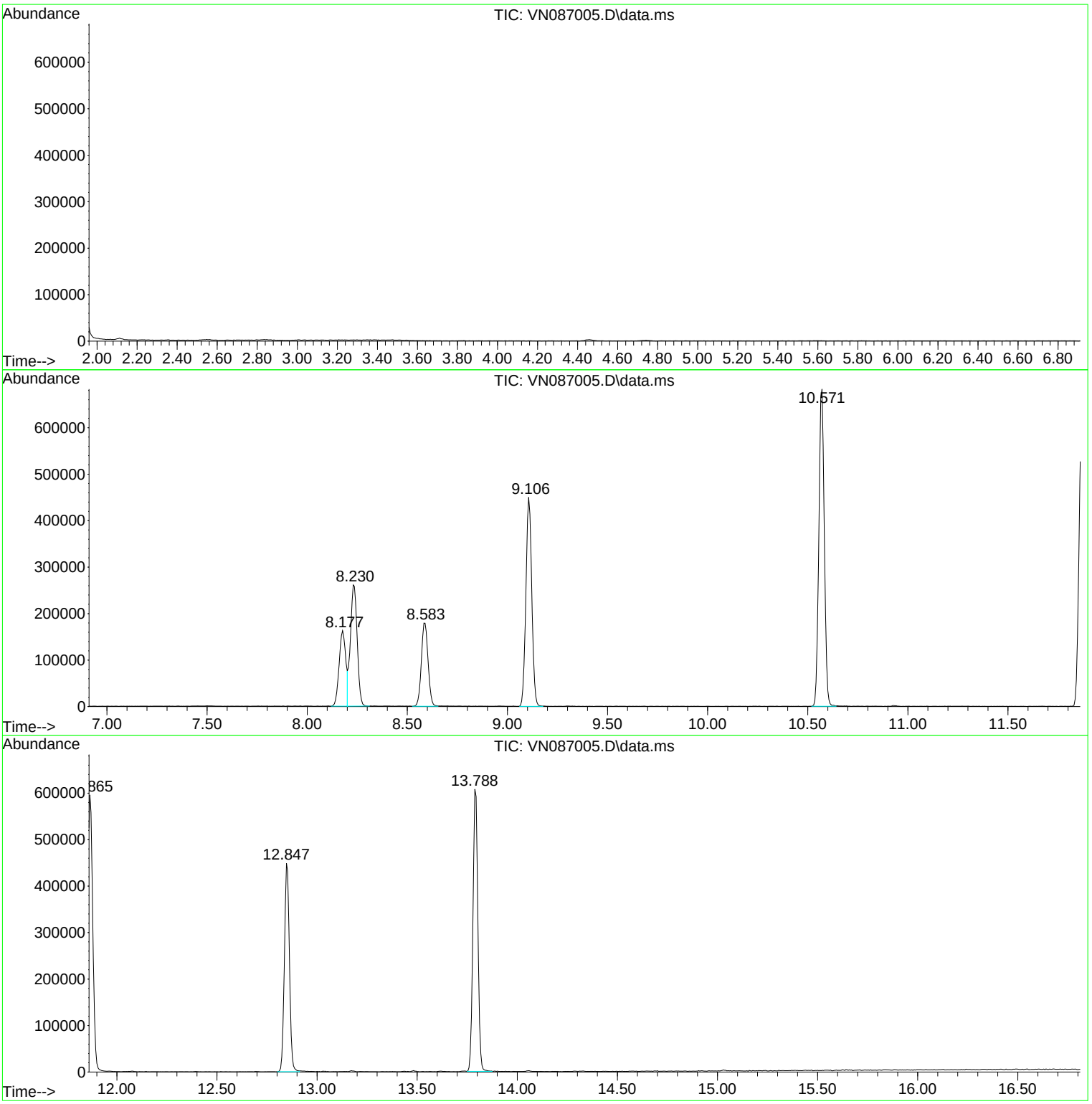
Sample Results: **VN087005.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087005.D
Acq On : 13 Jun 2025 16:34
Operator : JC\MD
Sample : Q2314-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-880-882

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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_N\Data\VN061325\
Data File : VN087005.D
Acq On : 13 Jun 2025 16:34
Operator : JC\MD
Sample : Q2314-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-880-882

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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_N\Data\VN061325\
Data File : VN087005.D
Acq On : 13 Jun 2025 16:34
Operator : JC\MD
Sample : Q2314-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-880-882

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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: **VN087007.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/12/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/12/25
Client Sample ID:	BP-VPB-182-EB-20250612	SDG No.:	Q2314
Lab Sample ID:	Q2314-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087007.D	1		06/13/25 17:18	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	47.7		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	7.70		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L

Raw Data: **VN087007.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/12/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/12/25
Client Sample ID:	BP-VPB-182-EB-20250612	SDG No.:	Q2314
Lab Sample ID:	Q2314-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087007.D	1		06/13/25 17:18	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.2		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	52.5		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	208000	8.236				
540-36-3	1,4-Difluorobenzene	405000	9.106				
3114-55-4	Chlorobenzene-d5	368000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	178000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/12/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/12/25
Client Sample ID:	BP-VPB-182-EB-20250612	SDG No.:	Q2314
Lab Sample ID:	Q2314-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087007.D	1		06/13/25 17:18	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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_N\Data\VN061325\
Data File : VN087007.D
Acq On : 13 Jun 2025 17:18
Operator : JC\MD
Sample : Q2314-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250612

Quant Time: Jun 14 00:31:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

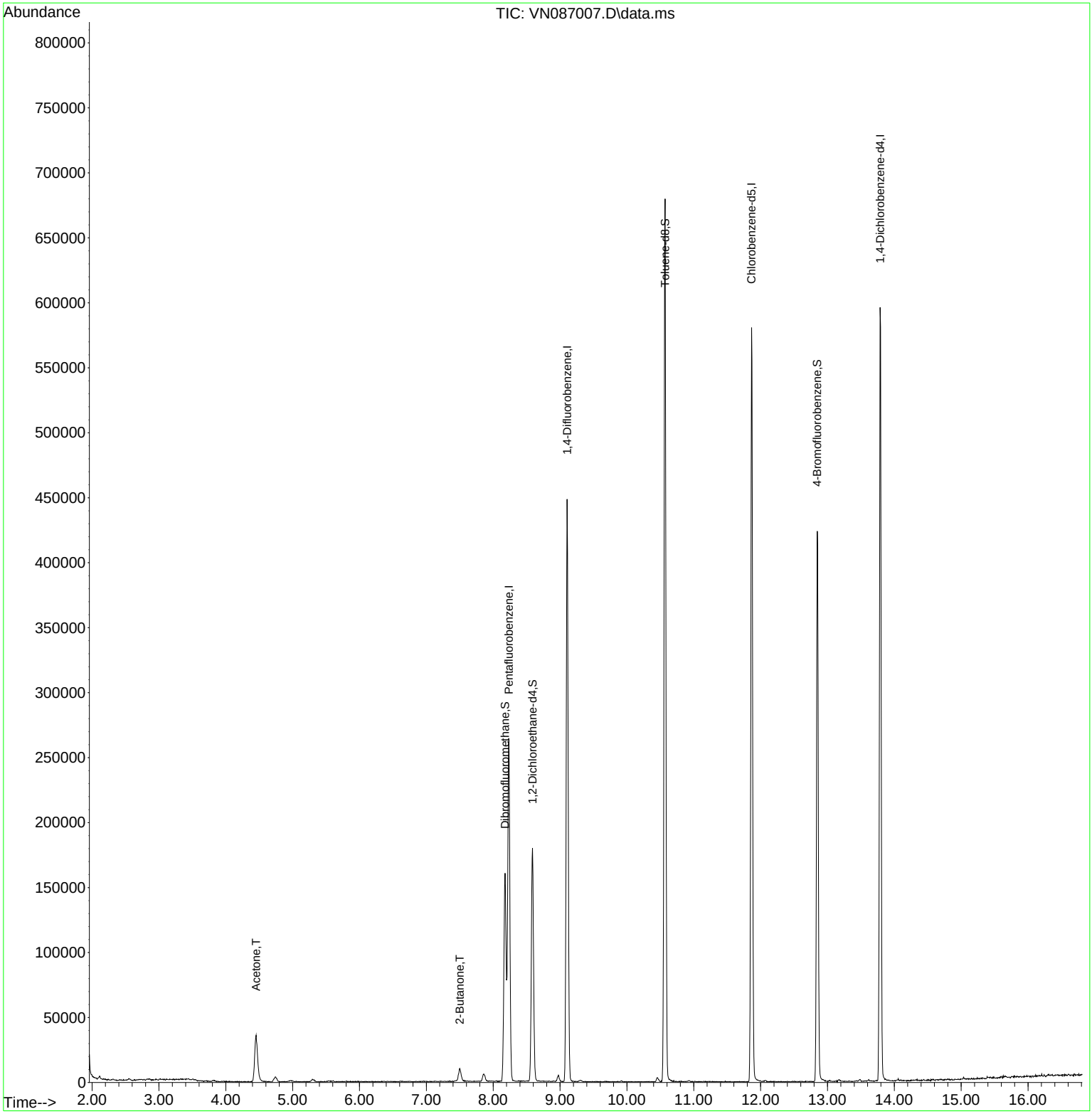
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	207748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	404853	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	368221	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	177791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	145112	52.170	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.340%			
35) Dibromofluoromethane	8.177	113	122540	51.074	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.140%			
50) Toluene-d8	10.571	98	498466	52.481	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.960%			
62) 4-Bromofluorobenzene	12.847	95	177650	50.343	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.680%			
Target Compounds						Qvalue
16) Acetone	4.453	43	70313	47.668	ug/l	97
25) 2-Butanone	7.500	43	18392	7.671	ug/l	91

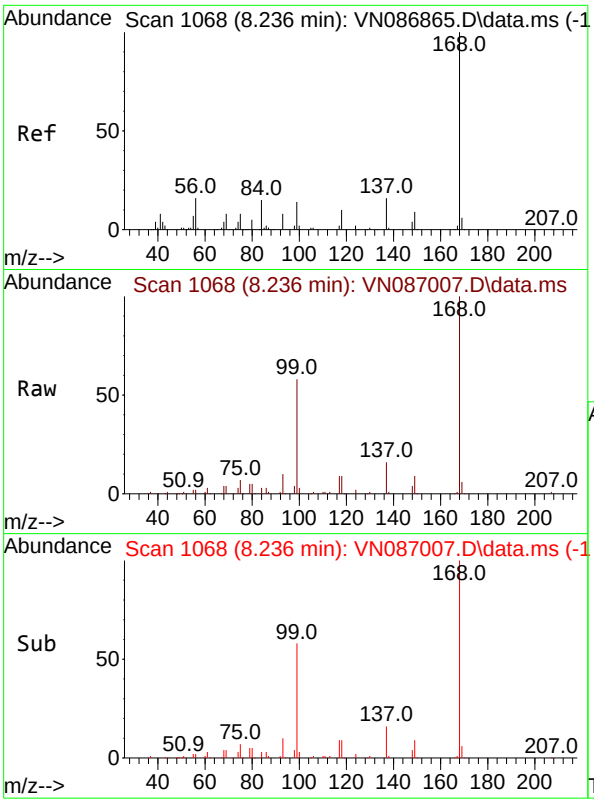
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087007.D
Acq On : 13 Jun 2025 17:18
Operator : JC\MD
Sample : Q2314-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250612

Quant Time: Jun 14 00:31:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



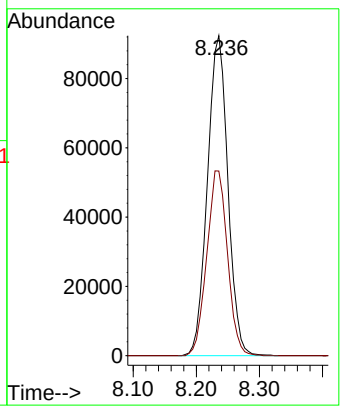


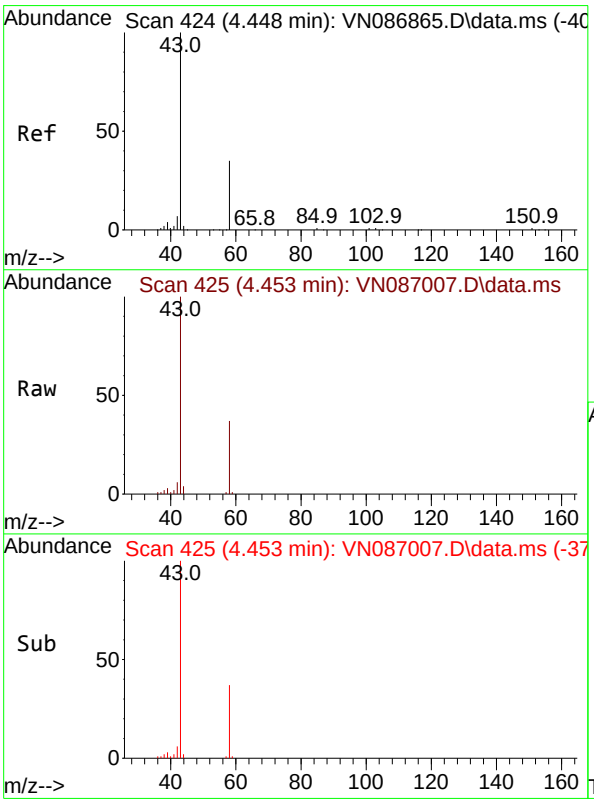
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN087007.D
Acq: 13 Jun 2025 17:18

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250612

Tgt Ion:168 Resp: 207748

Ion	Ratio	Lower	Upper
168	100		
99	57.7	49.1	73.7

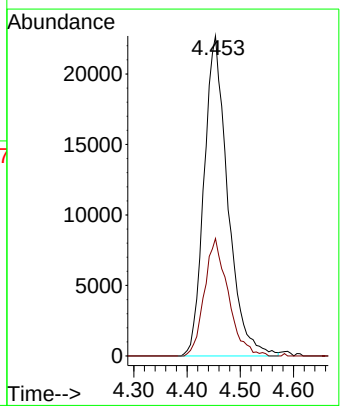


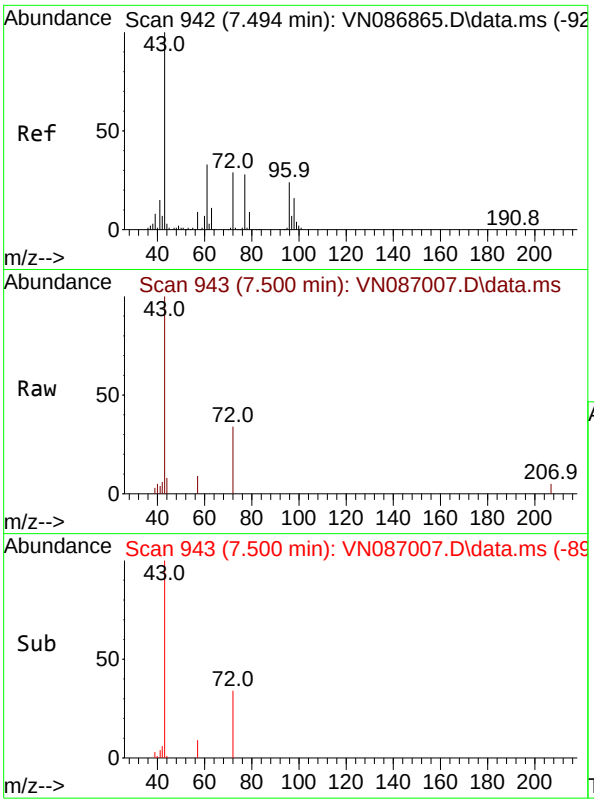


#16
Acetone
Concen: 47.668 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN087007.D
Acq: 13 Jun 2025 17:18

Tgt Ion: 43 Resp: 70313

Ion	Ratio	Lower	Upper
43	100		
58	36.7	28.0	42.0



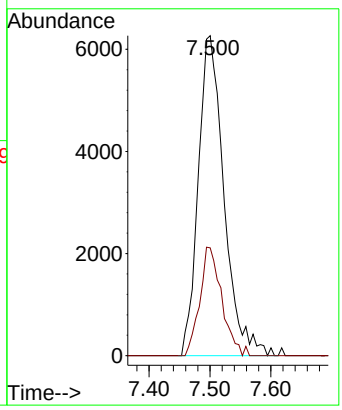


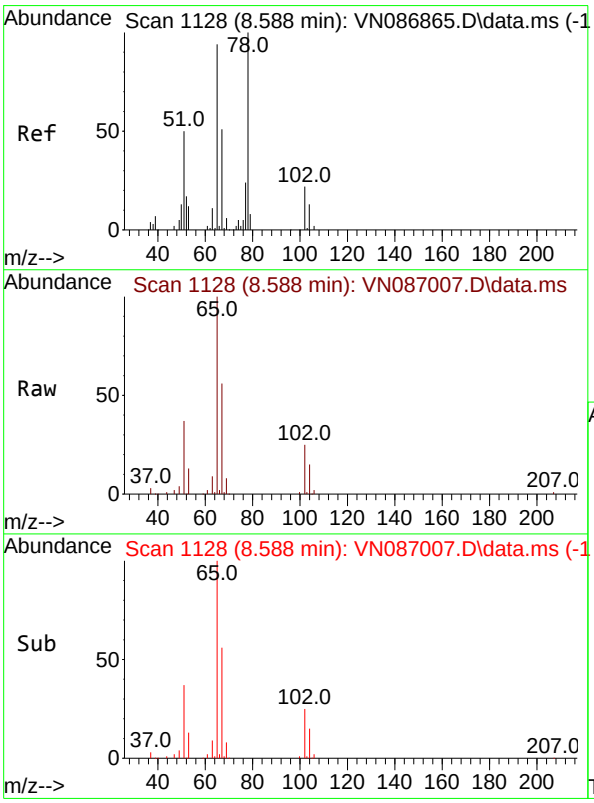
#25
2-Butanone
Concen: 7.671 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN087007.D
Acq: 13 Jun 2025 17:18

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250612

Tgt Ion: 43 Resp: 18392

Ion	Ratio	Lower	Upper
43	100		
72	33.7	23.0	34.6

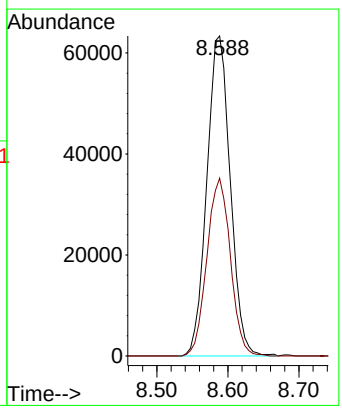


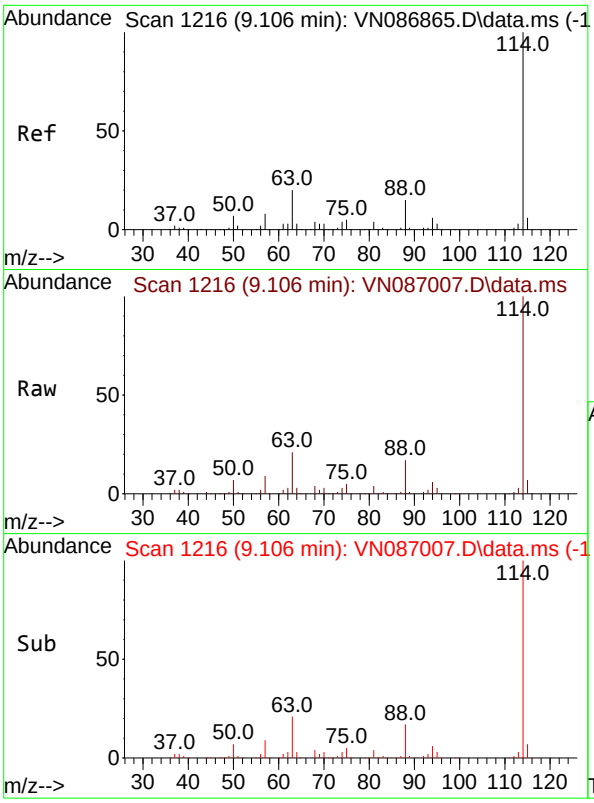


#33
1,2-Dichloroethane-d4
Concen: 52.170 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087007.D
Acq: 13 Jun 2025 17:18

Tgt Ion: 65 Resp: 145112

Ion	Ratio	Lower	Upper
65	100		
67	55.7	0.0	105.6



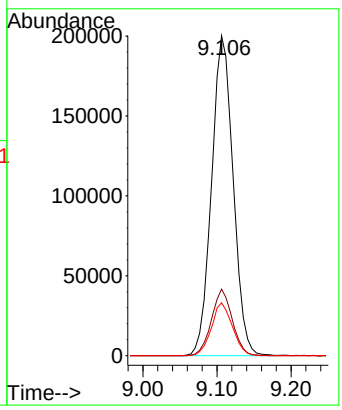


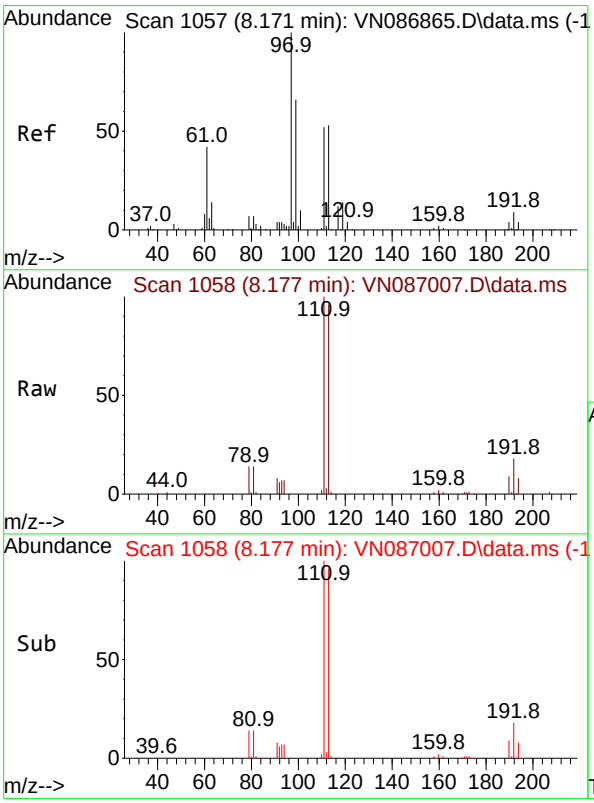
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087007.D
Acq: 13 Jun 2025 17:18

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250612

Tgt Ion:114 Resp: 404853

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	39.6
88	16.5	0.0	30.2

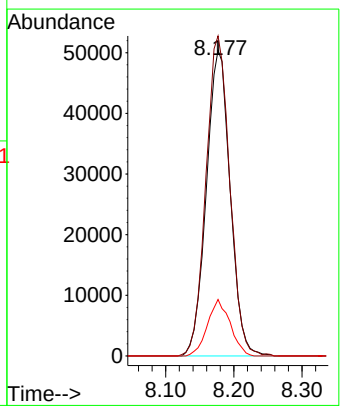


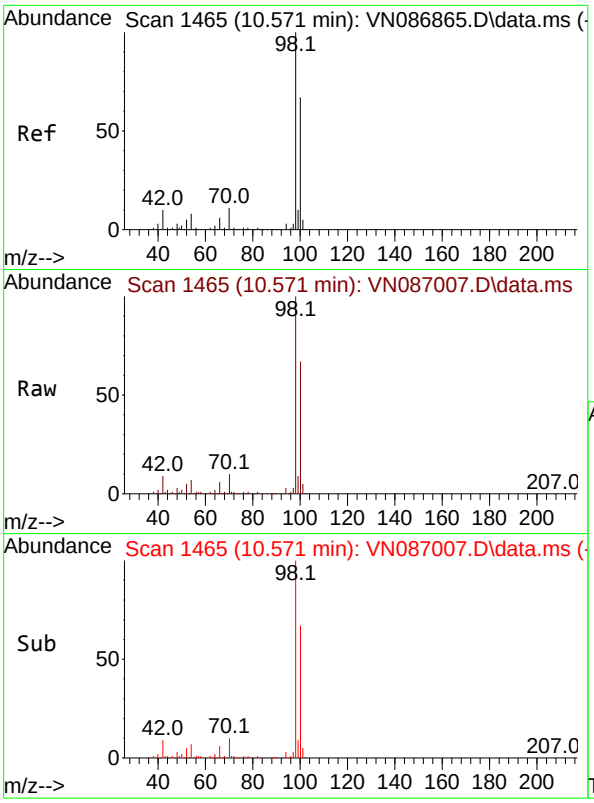


#35
Dibromofluoromethane
Concen: 51.074 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087007.D
Acq: 13 Jun 2025 17:18

Tgt Ion:113 Resp: 122540

Ion	Ratio	Lower	Upper
113	100		
111	104.6	84.2	126.2
192	17.6	14.2	21.4



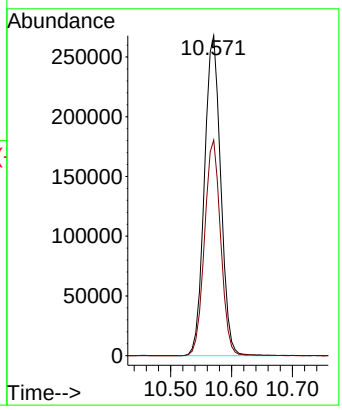


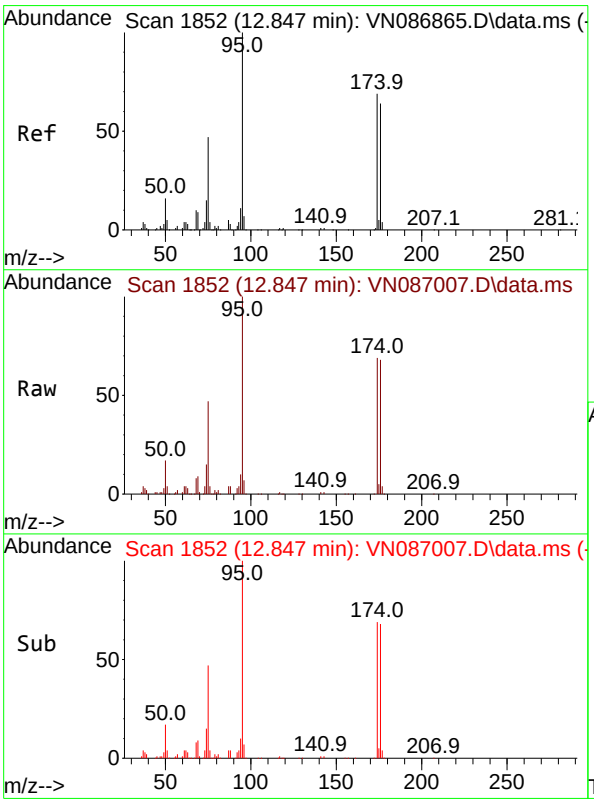
#50
Toluene-d8
Concen: 52.481 ug/l
RT: 10.571 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087007.D
Acq: 13 Jun 2025 17:18

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250612

Tgt Ion: 98 Resp: 498466

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.4	80.0

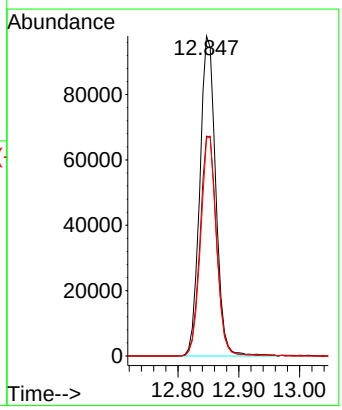


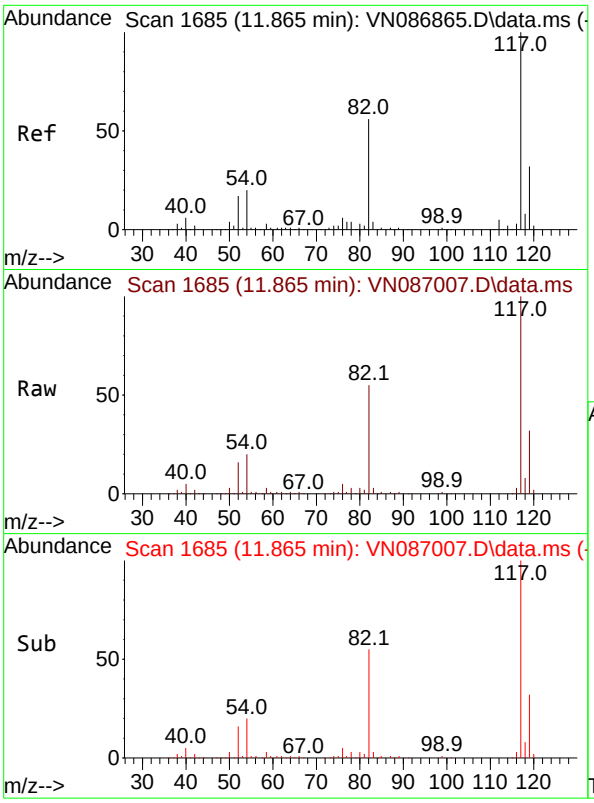


#62
4-Bromofluorobenzene
Concen: 50.343 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087007.D
Acq: 13 Jun 2025 17:18

Tgt Ion: 95 Resp: 177650

Ion	Ratio	Lower	Upper
95	100		
174	71.0	0.0	141.8
176	68.2	0.0	132.6



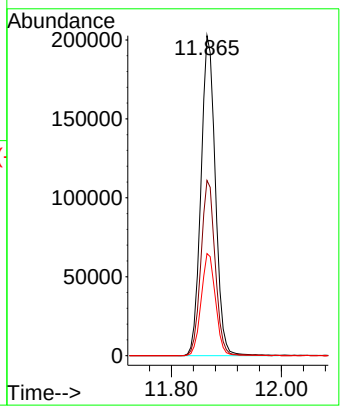


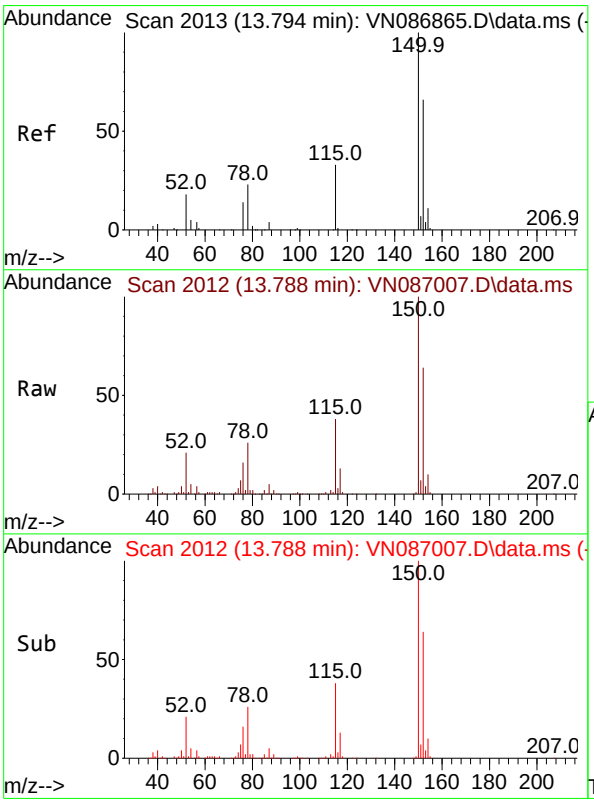
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087007.D
Acq: 13 Jun 2025 17:18

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250612

Tgt Ion:117 Resp: 368221

Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.6	67.0
119	31.9	25.5	38.3

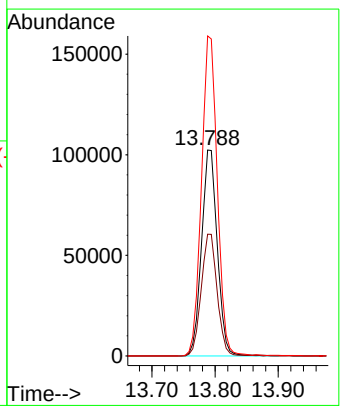




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087007.D
Acq: 13 Jun 2025 17:18

Tgt Ion:152 Resp: 177791

Ion	Ratio	Lower	Upper
152	100		
115	59.6	30.1	90.5
150	155.6	0.0	345.0



Sample Results: **VN087007.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087007.D
Acq On : 13 Jun 2025 17:18
Operator : JC\MD
Sample : Q2314-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250612

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_N\methods\82N060625W.M
Title : SW846 8260

Signal : TIC: VN087007.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.453	415	425	443	rBV	35842	112008	8.82%	1.712%
2	7.500	935	943	952	rVB	9530	23842	1.88%	0.365%
3	7.859	997	1004	1015	rVB3	5696	15415	1.21%	0.236%
4	8.177	1049	1058	1062	rBV	160106	374470	29.49%	5.725%
5	8.236	1062	1068	1078	rVB	263189	601384	47.36%	9.194%
6	8.588	1118	1128	1142	rBV	179301	407191	32.07%	6.225%
7	9.106	1207	1216	1229	rVB	448136	896766	70.62%	13.710%
8	10.571	1456	1465	1480	rBV	679534	1269759	100.00%	19.413%
9	11.865	1677	1685	1705	rBV	580222	1053037	82.93%	16.100%
10	12.847	1843	1852	1865	rBV	423609	765672	60.30%	11.706%
11	13.788	2005	2012	2024	rBV	594958	1021243	80.43%	15.613%

Sum of corrected areas: 6540787

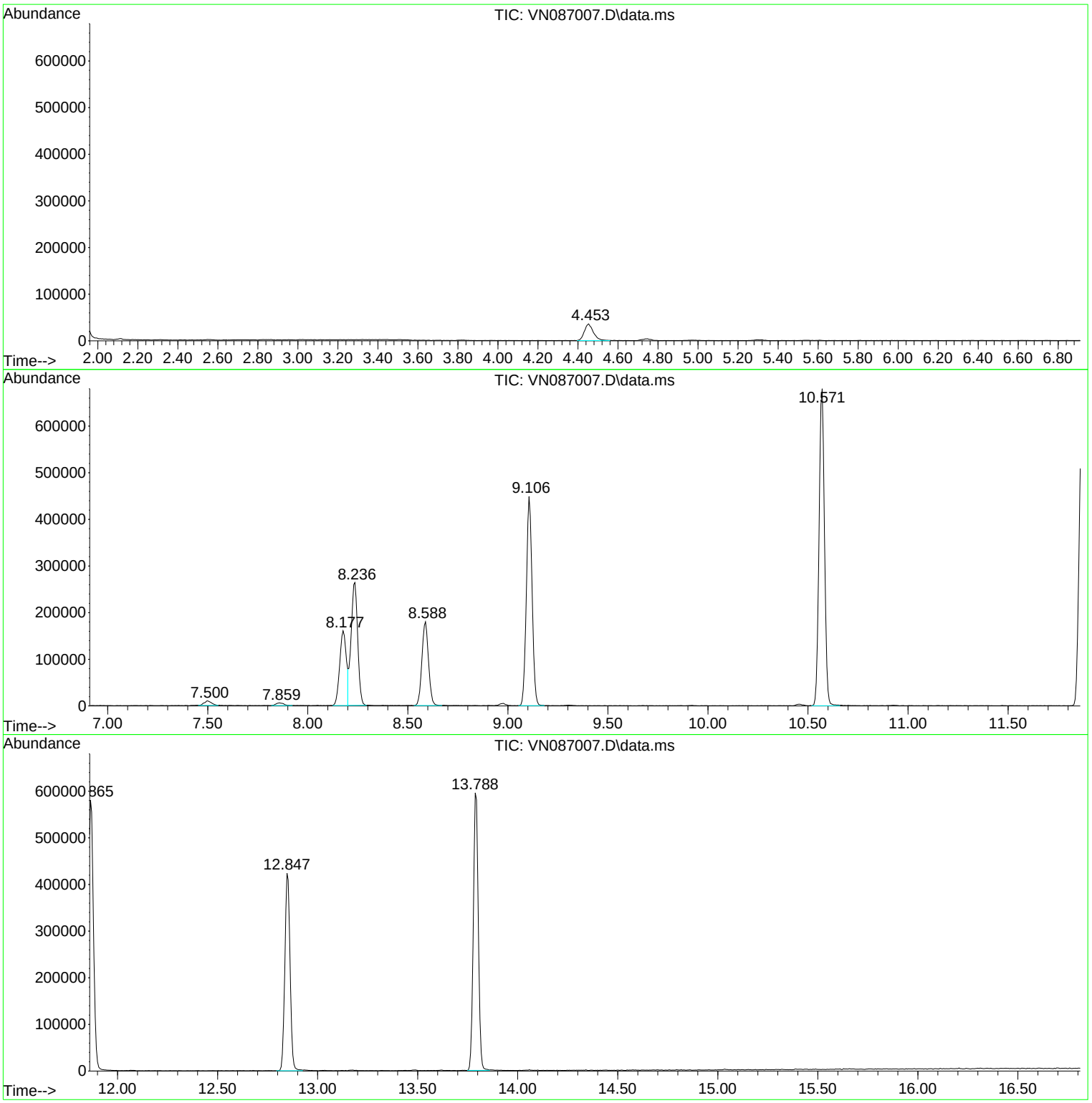
Sample Results: **VN087007.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087007.D
Acq On : 13 Jun 2025 17:18
Operator : JC\MD
Sample : Q2314-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250612

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087007.D
Acq On : 13 Jun 2025 17:18
Operator : JC\MD
Sample : Q2314-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250612

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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_N\Data\VN061325\
Data File : VN087007.D
Acq On : 13 Jun 2025 17:18
Operator : JC\MD
Sample : Q2314-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250612

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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: **VN087002.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/12/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/12/25
Client Sample ID:	VPB182-HYD-20250612	SDG No.:	Q2314
Lab Sample ID:	Q2314-06	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087002.D	1		06/13/25 15:28	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L

Raw Data: **VN087002.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/12/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/12/25
Client Sample ID:	VPB182-HYD-20250612	SDG No.:	Q2314
Lab Sample ID:	Q2314-06	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087002.D	1		06/13/25 15:28	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	1.20		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.9		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	51.4		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	208000	8.23				
540-36-3	1,4-Difluorobenzene	403000	9.106				
3114-55-4	Chlorobenzene-d5	360000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	174000	13.788				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Raw Data: **VN087002.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/12/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/12/25
Client Sample ID:	VPB182-HYD-20250612	SDG No.:	Q2314
Lab Sample ID:	Q2314-06	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087002.D	1		06/13/25 15:28	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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_N\Data\VN061325\
Data File : VN087002.D
Acq On : 13 Jun 2025 15:28
Operator : JC\MD
Sample : Q2314-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB182-HYD-20250612

Quant Time: Jun 14 00:29:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

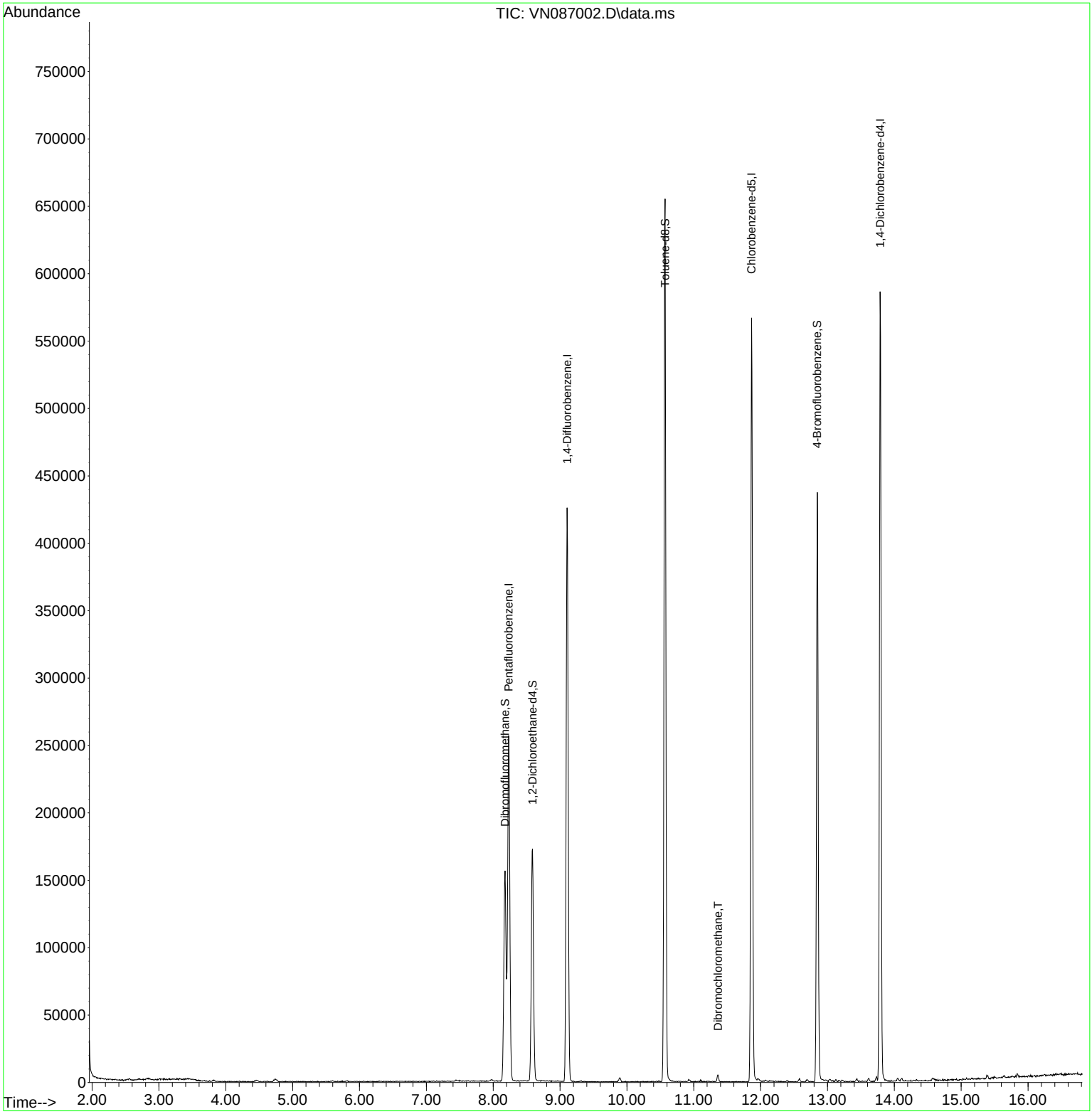
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	207879	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	402501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	359714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	173766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	141723	50.920	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.840%			
35) Dibromofluoromethane	8.177	113	120918	50.693	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.380%			
50) Toluene-d8	10.571	98	485254	51.389	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.780%			
62) 4-Bromofluorobenzene	12.847	95	178616	50.913	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.820%			
Target Compounds						Qvalue
60) Dibromochloromethane	11.365	129	3371	1.184	ug/l	100

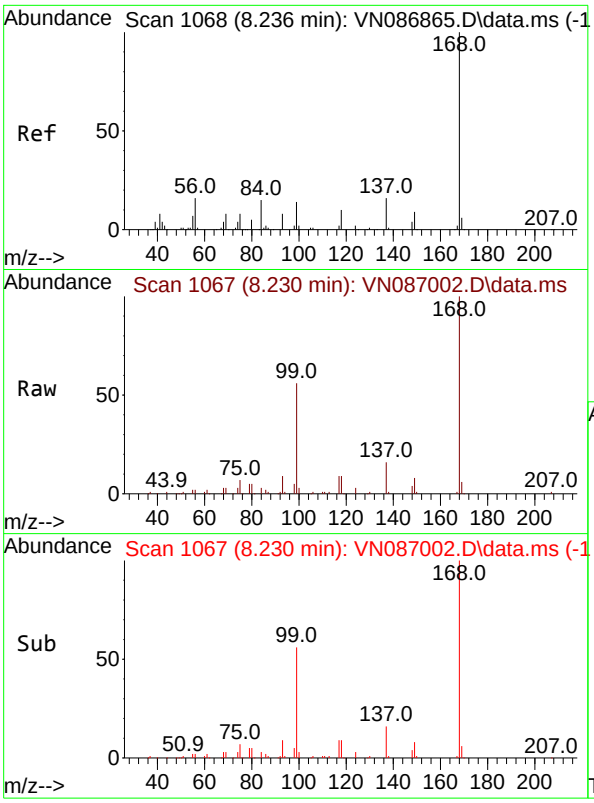
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087002.D
Acq On : 13 Jun 2025 15:28
Operator : JC\MD
Sample : Q2314-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB182-HYD-20250612

Quant Time: Jun 14 00:29:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



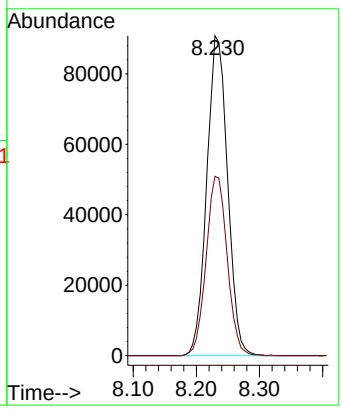


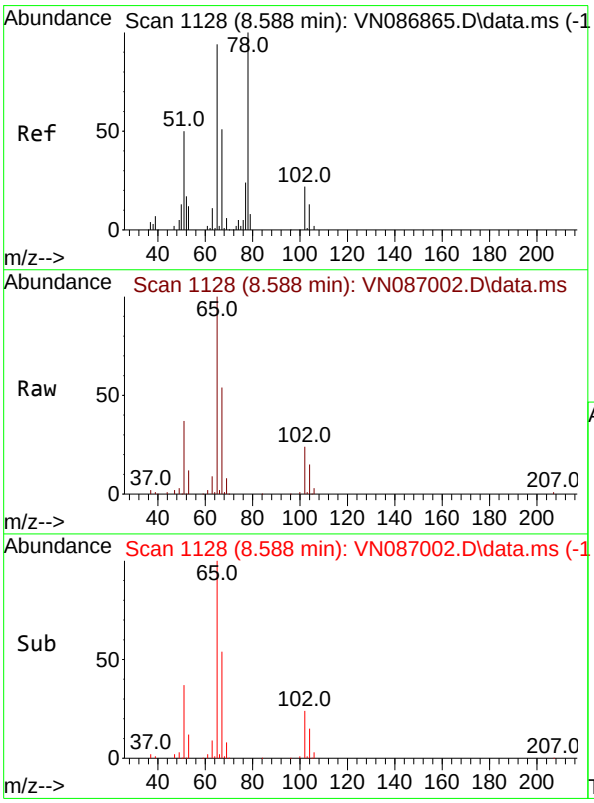
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

Instrument :
MSVOA_N
ClientSampleId :
VPB182-HYD-20250612

Tgt Ion:168 Resp: 207879

Ion	Ratio	Lower	Upper
168	100		
99	56.0	49.1	73.7

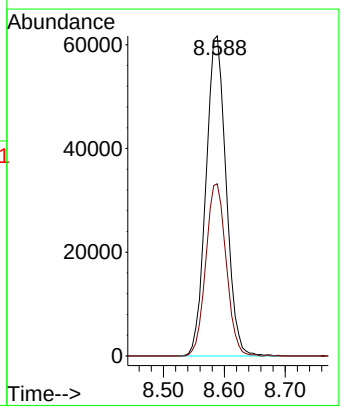


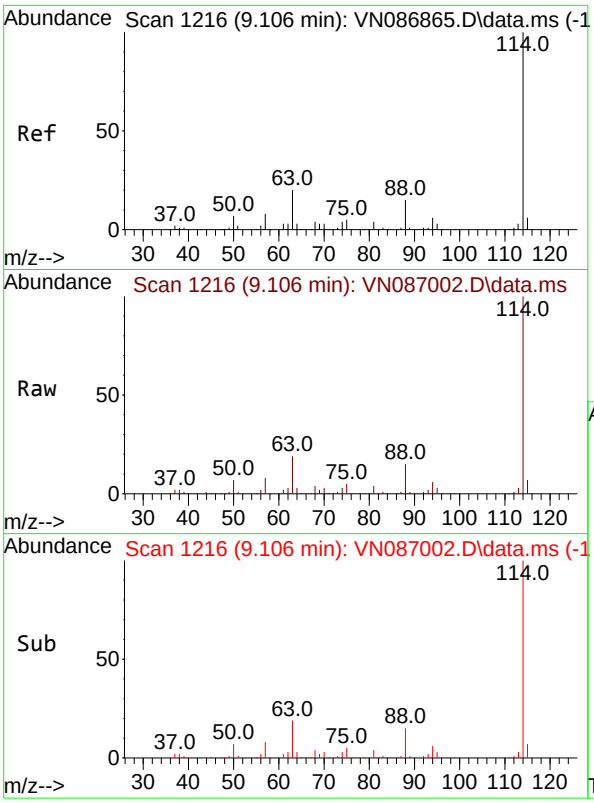


#33
1,2-Dichloroethane-d4
Concen: 50.920 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

Tgt Ion: 65 Resp: 141723

Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	105.6



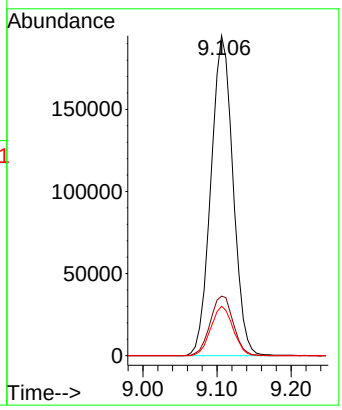


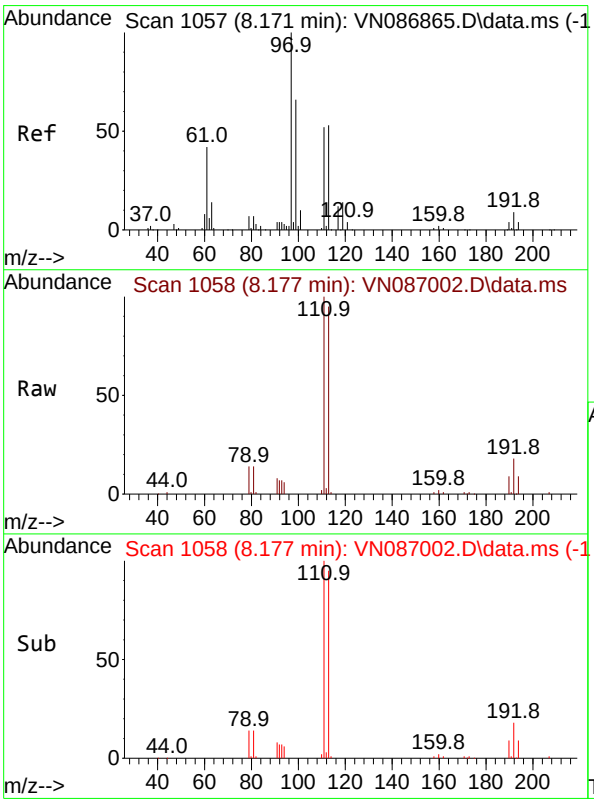
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

Instrument :
MSVOA_N
ClientSampleId :
VPB182-HYD-20250612

Tgt Ion:114 Resp: 402501

Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	39.6
88	15.5	0.0	30.2

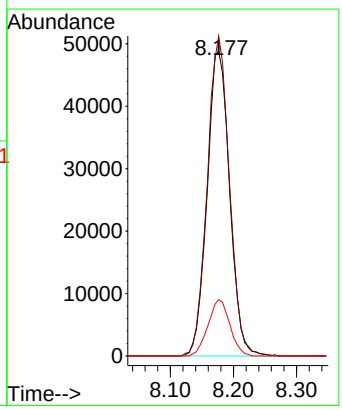


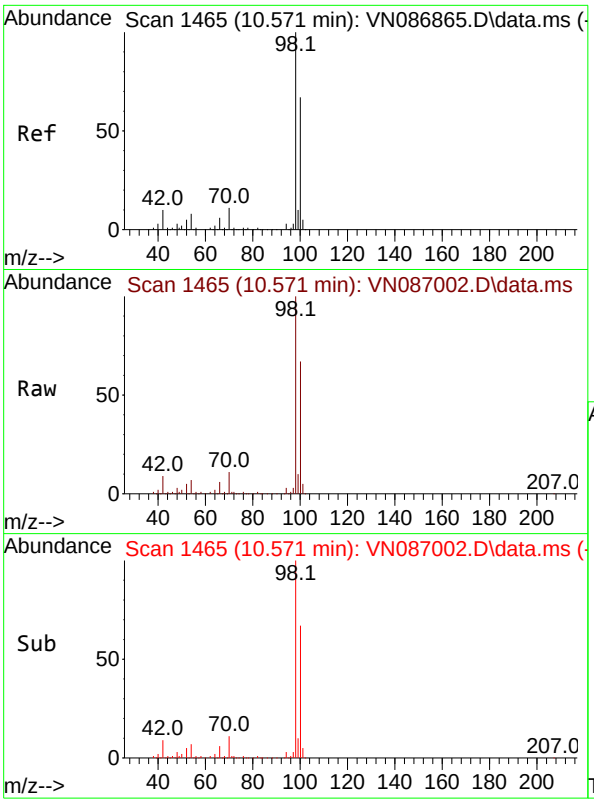


#35
Dibromofluoromethane
Concen: 50.693 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

Tgt Ion:113 Resp: 120918

Ion	Ratio	Lower	Upper
113	100		
111	103.2	84.2	126.2
192	17.9	14.2	21.4



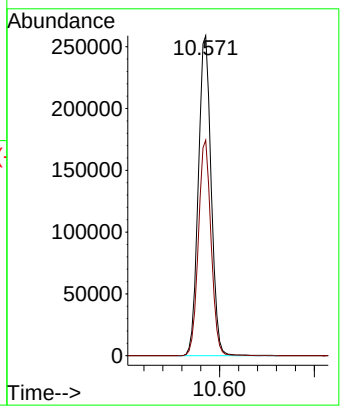


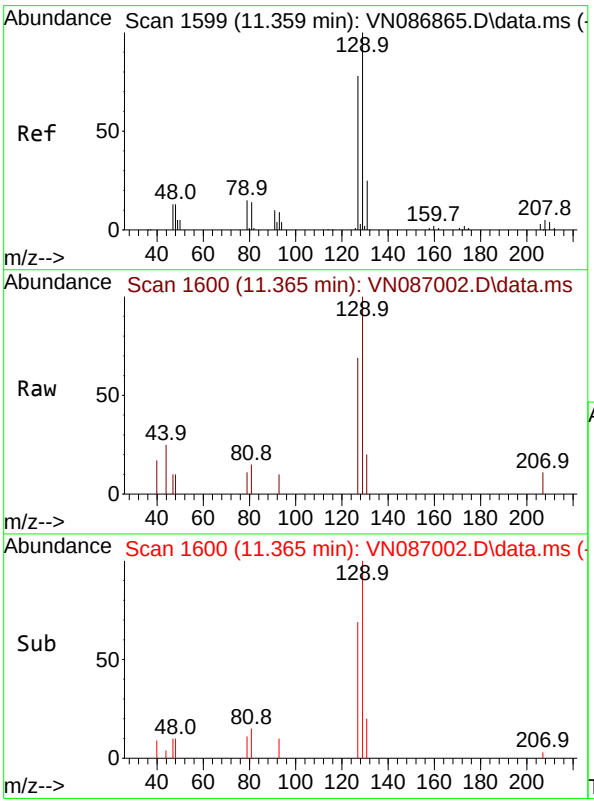
#50
Toluene-d8
Concen: 51.389 ug/l
RT: 10.571 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

Instrument :
MSVOA_N
ClientSampleId :
VPB182-HYD-20250612

Tgt Ion: 98 Resp: 485254

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.4	80.0

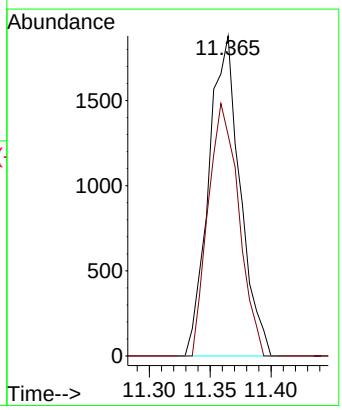


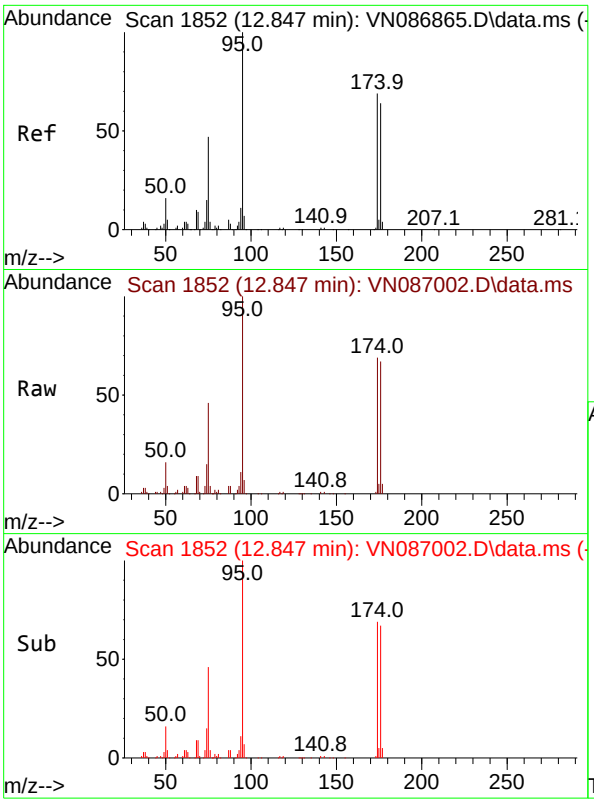


#60
Dibromochloromethane
Concen: 1.184 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. 0.006 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

Tgt Ion:129 Resp: 3371

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.6	115.8



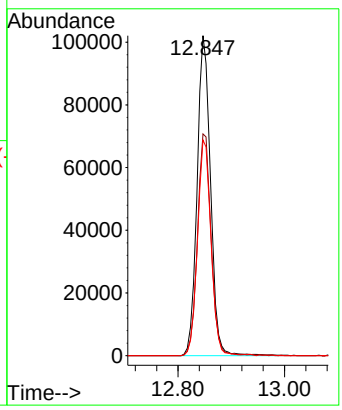


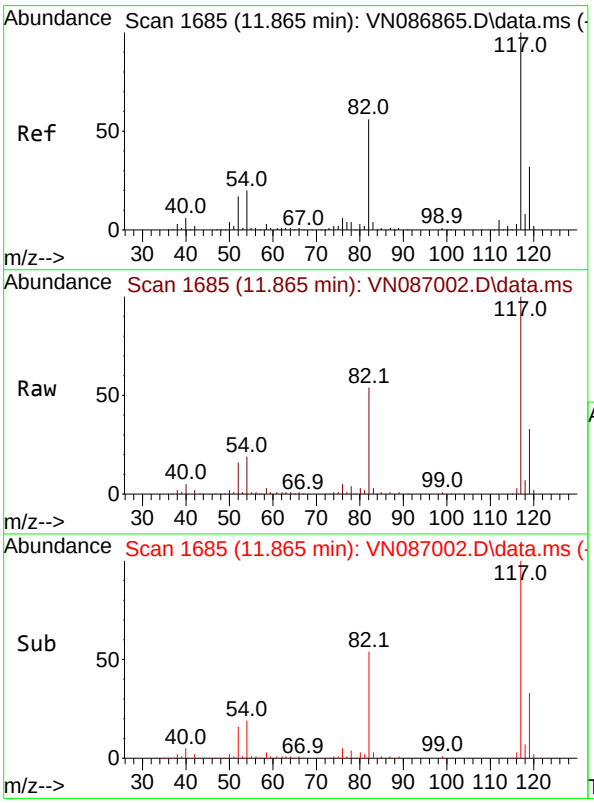
#62
4-Bromofluorobenzene
Concen: 50.913 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

Instrument :
MSVOA_N
ClientSampleId :
VPB182-HYD-20250612

Tgt Ion: 95 Resp: 178616

Ion	Ratio	Lower	Upper
95	100		
174	70.5	0.0	141.8
176	67.5	0.0	132.6

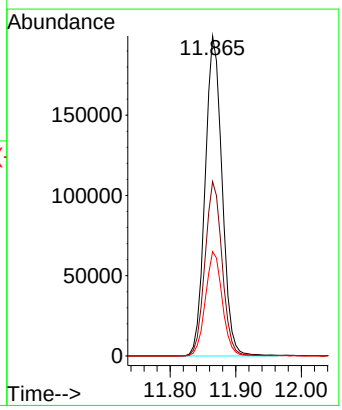


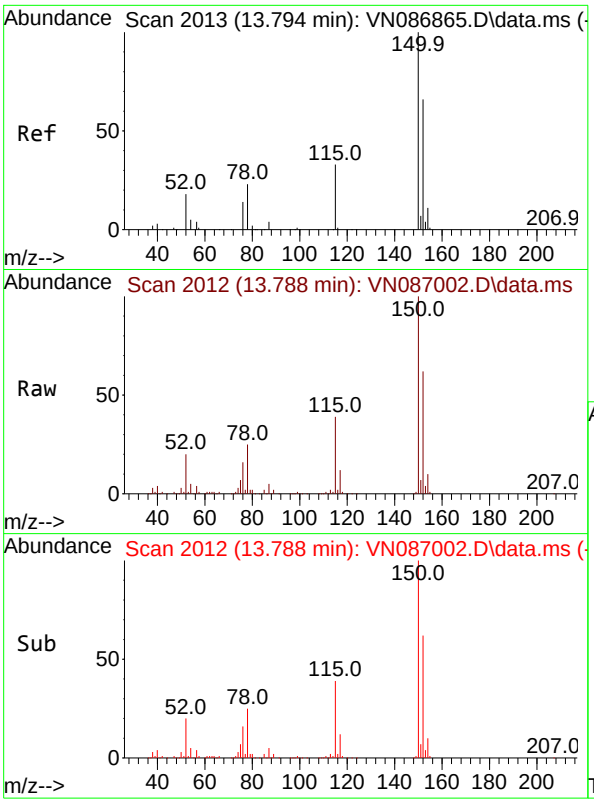


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

Tgt Ion:117 Resp: 359714

Ion	Ratio	Lower	Upper
117	100		
82	54.5	44.6	67.0
119	32.6	25.5	38.3



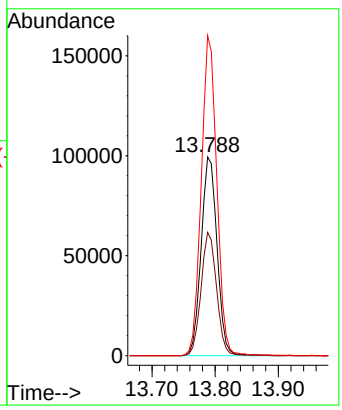


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

Instrument :
MSVOA_N
ClientSampleId :
VPB182-HYD-20250612

Tgt Ion:152 Resp: 173766

Ion	Ratio	Lower	Upper
152	100		
115	60.8	30.1	90.5
150	157.8	0.0	345.0



Sample Results: **VN087002.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087002.D
Acq On : 13 Jun 2025 15:28
Operator : JC\MD
Sample : Q2314-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB182-HYD-20250612

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_N\methods\82N060625W.M
Title : SW846 8260

Signal : TIC: VN087002.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.177	1046	1058	1062	rBV	156212	369960	30.21%	5.917%
2	8.230	1062	1067	1081	rVB	255866	591313	48.29%	9.457%
3	8.588	1117	1128	1143	rVB2	172352	395095	32.27%	6.319%
4	9.106	1208	1216	1229	rVB	425596	879402	71.82%	14.065%
5	10.571	1456	1465	1478	rBV	655005	1224522	100.00%	19.585%
6	11.865	1676	1685	1699	rBV	566830	1035208	84.54%	16.557%
7	12.847	1844	1852	1864	rBV	437160	756816	61.81%	12.104%
8	13.788	2005	2012	2024	rBV	585063	1000172	81.68%	15.996%

Sum of corrected areas: 6252488

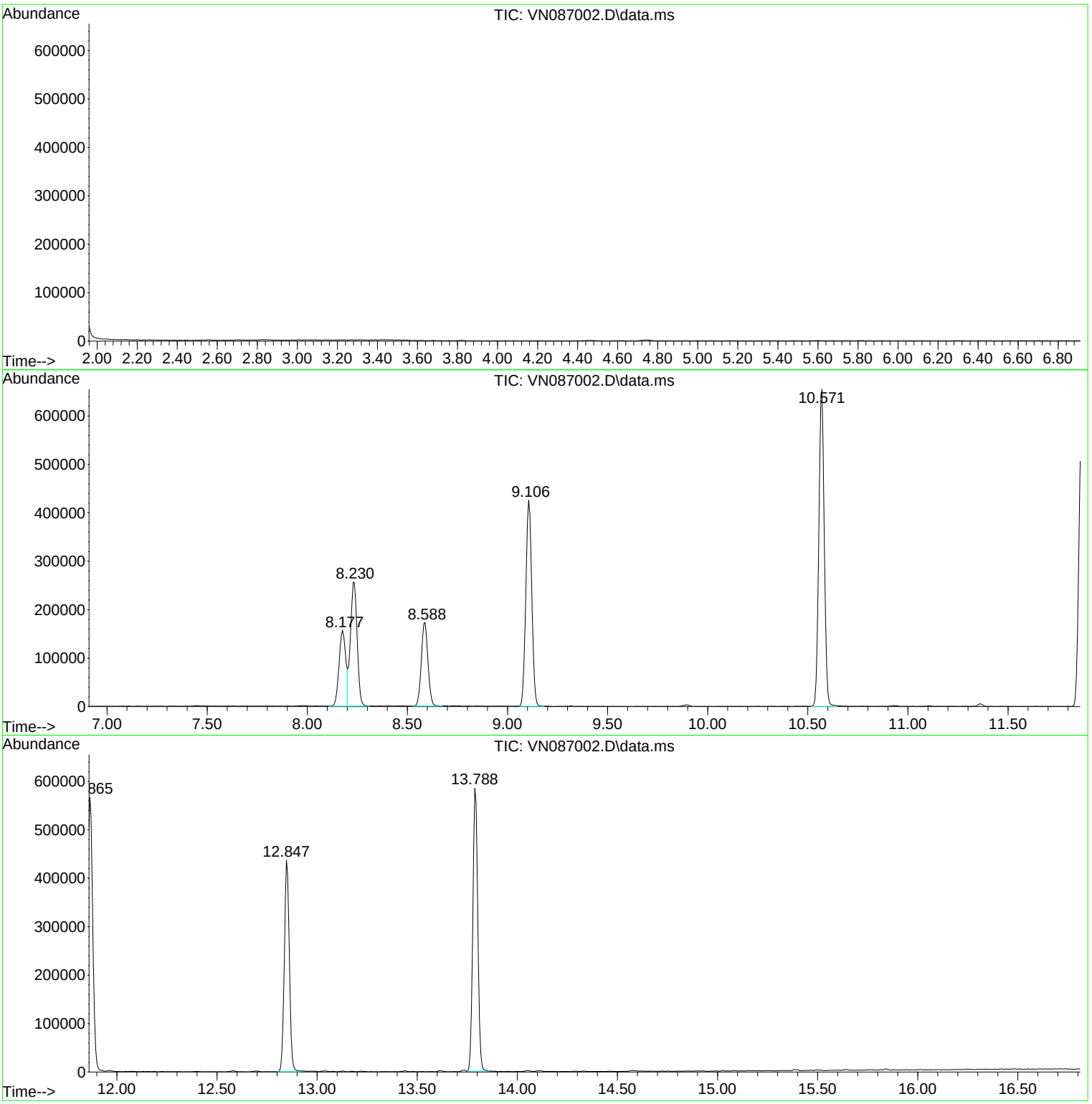
Sample Results: **VN087002.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087002.D
Acq On : 13 Jun 2025 15:28
Operator : JC\MD
Sample : Q2314-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB182-HYD-20250612

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VN087002.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087002.D
Acq On : 13 Jun 2025 15:28
Operator : JC\MD
Sample : Q2314-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB182-HYD-20250612

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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_N\Data\VN061325\
Data File : VN087002.D
Acq On : 13 Jun 2025 15:28
Operator : JC\MD
Sample : Q2314-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB182-HYD-20250612

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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: **VY022701.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/11/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/13/25
Client Sample ID:	BP-VPB-182-GW-840-842	SDG No.:	Q2314
Lab Sample ID:	Q2314-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	7.9
Sample Wt/Vol:	5.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022701.D	1		06/16/25 12:09	VY061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
74-87-3	Chloromethane	31.3	U	14.3	31.3	62.5	ug/Kg
75-01-4	Vinyl Chloride	31.3	U	9.90	31.3	62.5	ug/Kg
74-83-9	Bromomethane	50.0	U	13.4	50.0	62.5	ug/Kg
75-00-3	Chloroethane	31.3	U	15.8	31.3	62.5	ug/Kg
75-69-4	Trichlorofluoromethane	50.0	U	15.1	50.0	62.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	31.3	U	13.3	31.3	62.5	ug/Kg
75-35-4	1,1-Dichloroethene	31.3	U	12.5	31.3	62.5	ug/Kg
67-64-1	Acetone	140	J	59.3	250	310	ug/Kg
75-15-0	Carbon Disulfide	50.0	U	13.3	50.0	62.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	31.3	U	9.10	31.3	62.5	ug/Kg
75-09-2	Methylene Chloride	75.2	J	44.2	100	130	ug/Kg
156-60-5	trans-1,2-Dichloroethene	31.3	U	10.8	31.3	62.5	ug/Kg
75-34-3	1,1-Dichloroethane	31.3	U	10.0	31.3	62.5	ug/Kg
78-93-3	2-Butanone	250	U	81.8	250	310	ug/Kg
56-23-5	Carbon Tetrachloride	31.3	U	12.1	31.3	62.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	31.3	U	9.40	31.3	62.5	ug/Kg
67-66-3	Chloroform	50.0	U	10.5	50.0	62.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	31.3	U	11.6	31.3	62.5	ug/Kg
108-87-2	Methylcyclohexane	31.3	U	11.4	31.3	62.5	ug/Kg
71-43-2	Benzene	31.3	U	9.90	31.3	62.5	ug/Kg
107-06-2	1,2-Dichloroethane	31.3	U	9.90	31.3	62.5	ug/Kg
79-01-6	Trichloroethene	31.3	U	10.1	31.3	62.5	ug/Kg
78-87-5	1,2-Dichloropropane	31.3	U	11.4	31.3	62.5	ug/Kg
75-27-4	Bromodichloromethane	31.3	U	9.80	31.3	62.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	160	U	44.8	160	310	ug/Kg
108-88-3	Toluene	31.3	U	9.80	31.3	62.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	31.3	U	8.10	31.3	62.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	31.3	U	7.80	31.3	62.5	ug/Kg
79-00-5	1,1,2-Trichloroethane	31.3	U	11.5	31.3	62.5	ug/Kg
591-78-6	2-Hexanone	160	U	46.2	160	310	ug/Kg

Raw Data: **VY022701.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/11/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/13/25
Client Sample ID:	BP-VPB-182-GW-840-842	SDG No.:	Q2314
Lab Sample ID:	Q2314-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	7.9
Sample Wt/Vol:	5.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022701.D	1		06/16/25 12:09	VY061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
124-48-1	Dibromochloromethane	31.3	U	10.9	31.3	62.5	ug/Kg
127-18-4	Tetrachloroethene	31.3	U	13.1	31.3	62.5	ug/Kg
108-90-7	Chlorobenzene	31.3	U	11.4	31.3	62.5	ug/Kg
100-41-4	Ethyl Benzene	31.3	U	8.40	31.3	62.5	ug/Kg
179601-23-1	m/p-Xylenes	62.5	U	15.5	62.5	130	ug/Kg
95-47-6	o-Xylene	31.3	U	10.3	31.3	62.5	ug/Kg
100-42-5	Styrene	31.3	U	8.90	31.3	62.5	ug/Kg
75-25-2	Bromoform	31.3	U	10.8	31.3	62.5	ug/Kg
98-82-8	Isopropylbenzene	31.3	U	9.80	31.3	62.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	31.3	U	15.1	31.3	62.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	31.3	U	21.4	31.3	62.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	31.3	U	19.5	31.3	62.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	31.3	U	18.1	31.3	62.5	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.1		71 - 136		110%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		78 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	50.8		85 - 116		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.1		79 - 119		90%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	112000	7.707				
540-36-3	1,4-Difluorobenzene	203000	8.616				
3114-55-4	Chlorobenzene-d5	173000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	65300	13.346				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Raw Data: **VY022701.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	06/11/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	06/13/25
Client Sample ID:	BP-VPB-182-GW-840-842	SDG No.:	Q2314
Lab Sample ID:	Q2314-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	7.9
Sample Wt/Vol:	5.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022701.D	1		06/16/25 12:09	VY061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)

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: **VY022701.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022701.D
Acq On : 16 Jun 2025 12:09
Operator : SY/MD
Sample : Q2314-08
Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-840-842

Quant Time: Jun 16 16:02:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

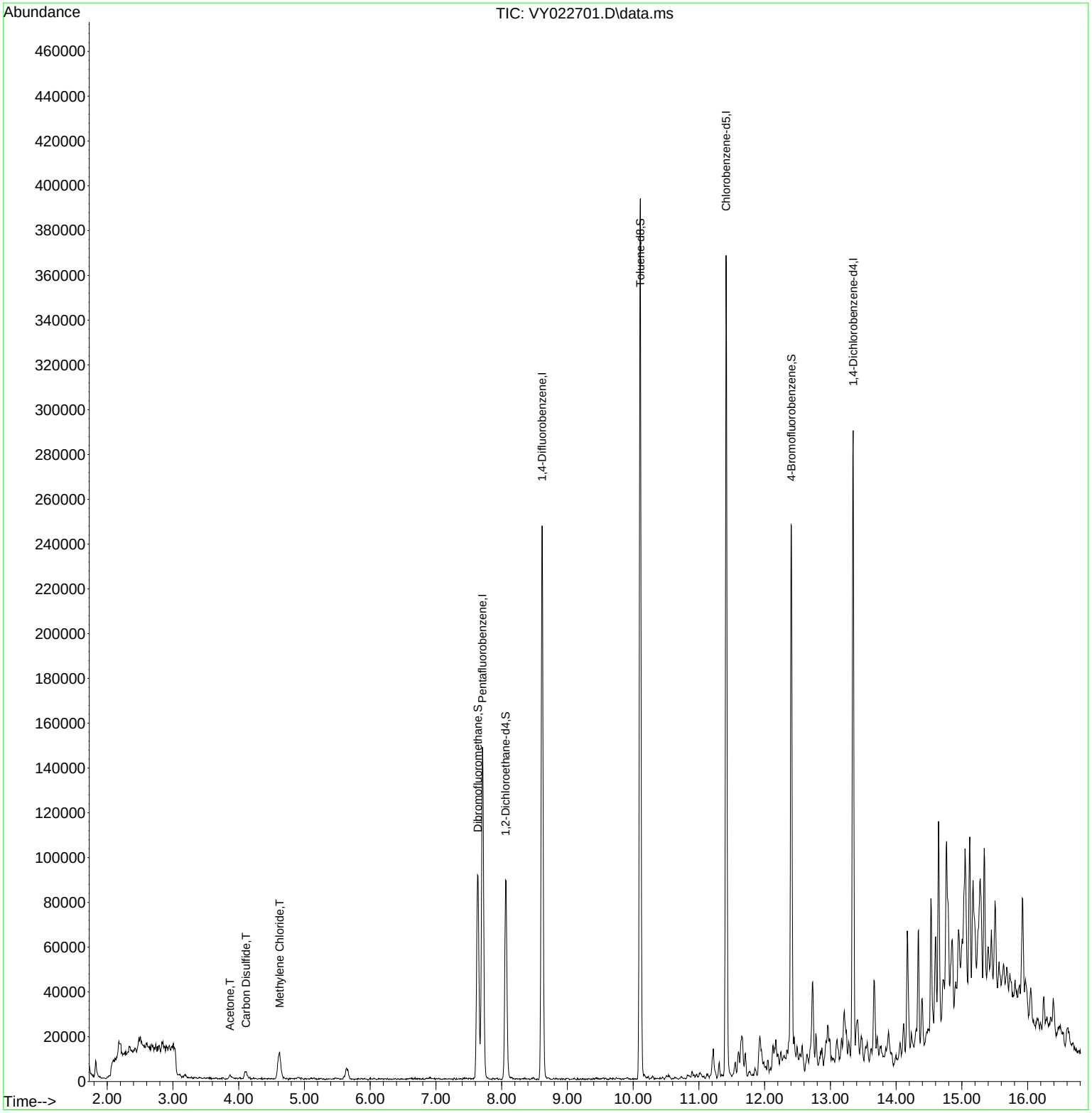
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	111918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	203194	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	172902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	65272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	68926	55.064	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.120%			
35) Dibromofluoromethane	7.640	113	64820	53.446	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.900%			
50) Toluene-d8	10.109	98	249189	50.849	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.700%			
62) 4-Bromofluorobenzene	12.408	95	65908	45.139	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.280%			
Target Compounds						Qvalue
16) Acetone	3.866	43	2772	10.904	ug/l #	80
17) Carbon Disulfide	4.110	76	3846	1.024	ug/l #	94
20) Methylene Chloride	4.622	84	8682	6.012	ug/l #	90

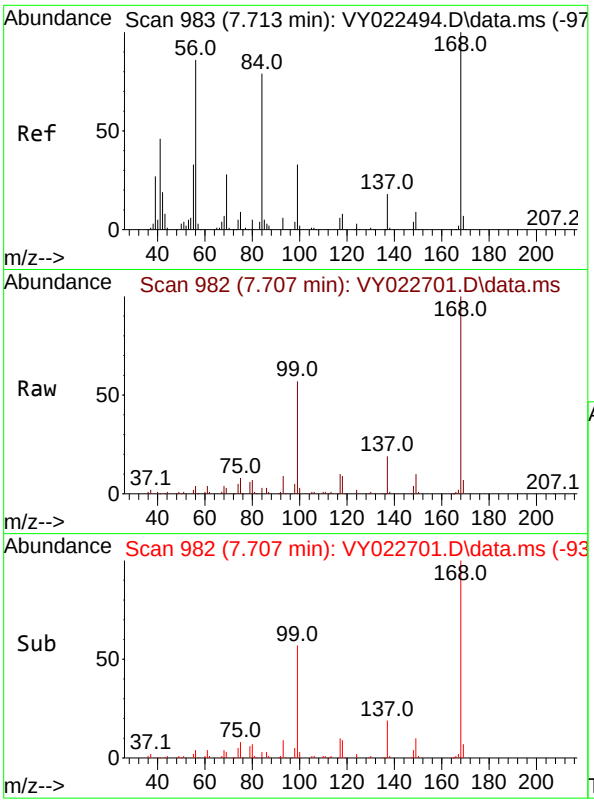
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022701.D
Acq On : 16 Jun 2025 12:09
Operator : SY/MD
Sample : Q2314-08
Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-840-842

Quant Time: Jun 16 16:02:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration



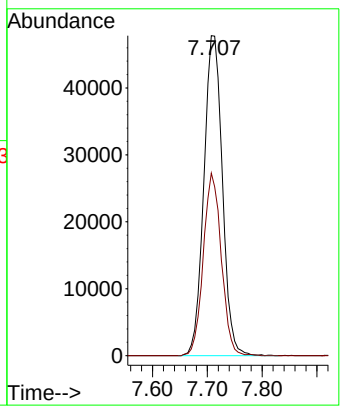


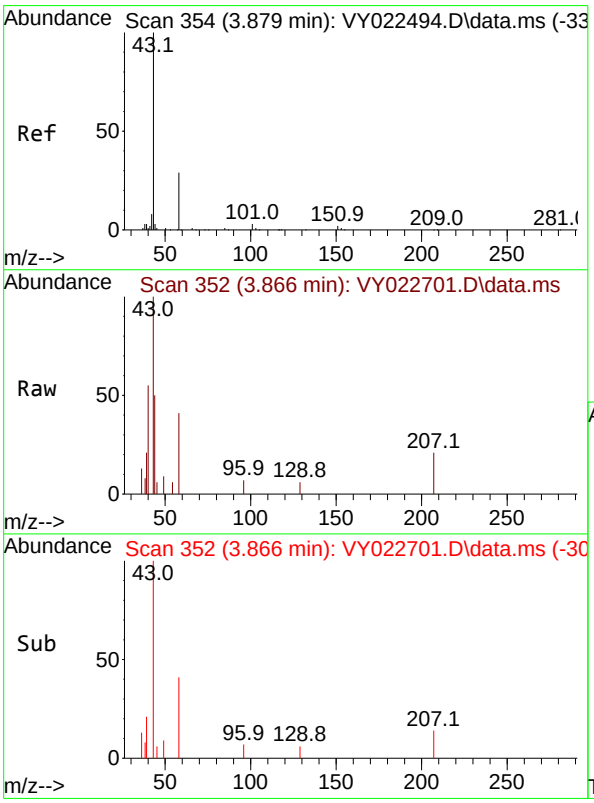
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022701.D
Acq: 16 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-840-842

Tgt Ion:168 Resp: 111918

Ion	Ratio	Lower	Upper
168	100		
99	57.1	44.3	66.5

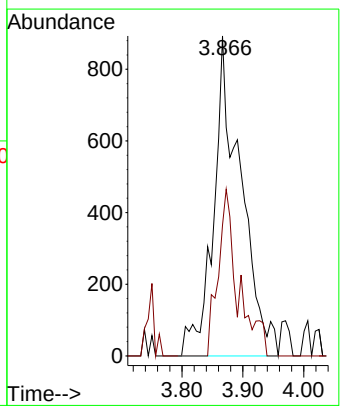


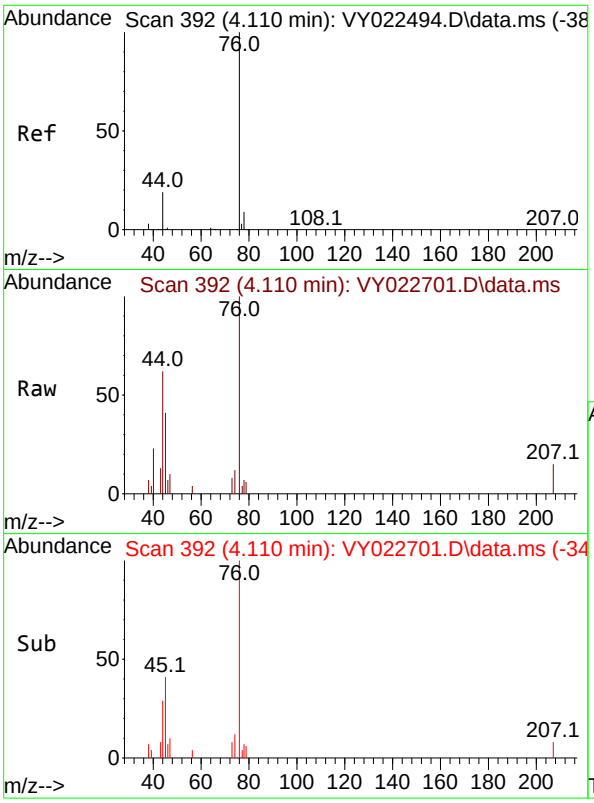


#16
Acetone
Concen: 10.904 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022701.D
Acq: 16 Jun 2025 12:09

Tgt Ion: 43 Resp: 2772

Ion	Ratio	Lower	Upper
43	100		
58	40.9	24.0	36.0#



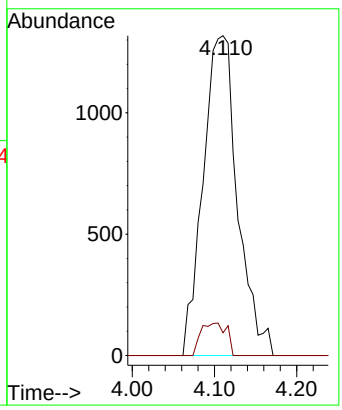


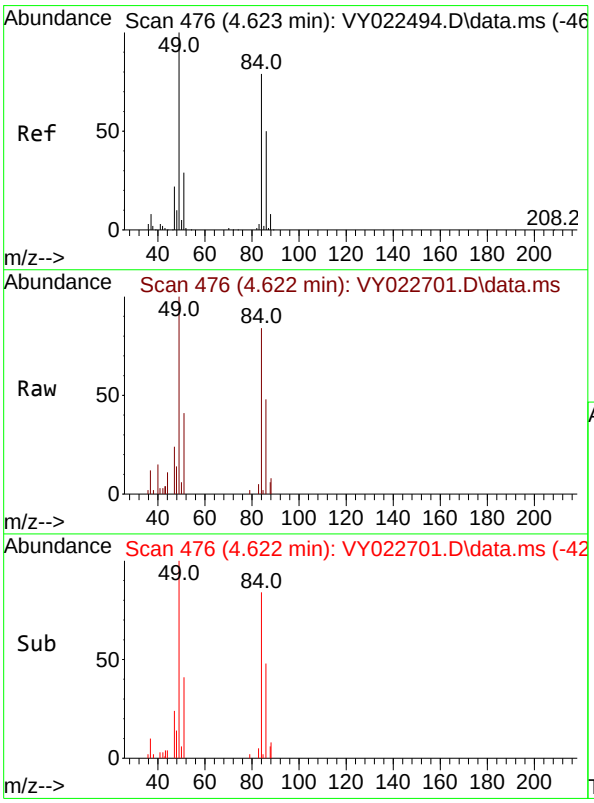
#17
Carbon Disulfide
Concen: 1.024 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022701.D
Acq: 16 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-840-842

Tgt Ion: 76 Resp: 3846

Ion	Ratio	Lower	Upper
76	100		
78	7.1	7.4	11.2#

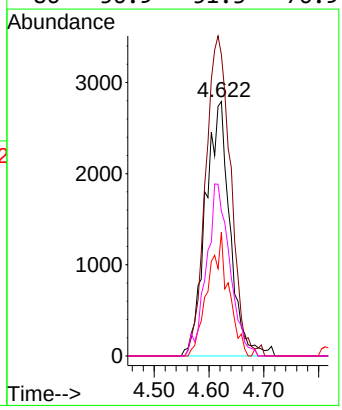


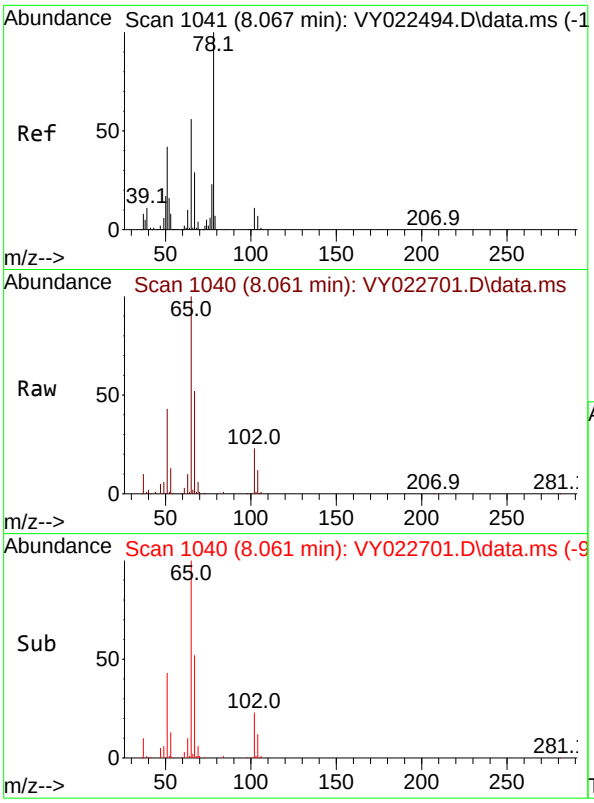


#20
Methylene Chloride
Concen: 6.012 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022701.D
Acq: 16 Jun 2025 12:09

Tgt Ion: 84 Resp: 8682

Ion	Ratio	Lower	Upper
84	100		
49	118.4	101.9	152.9
51	48.6	29.8	44.8#
86	56.9	51.3	76.9



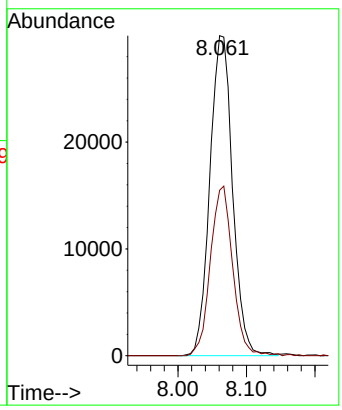


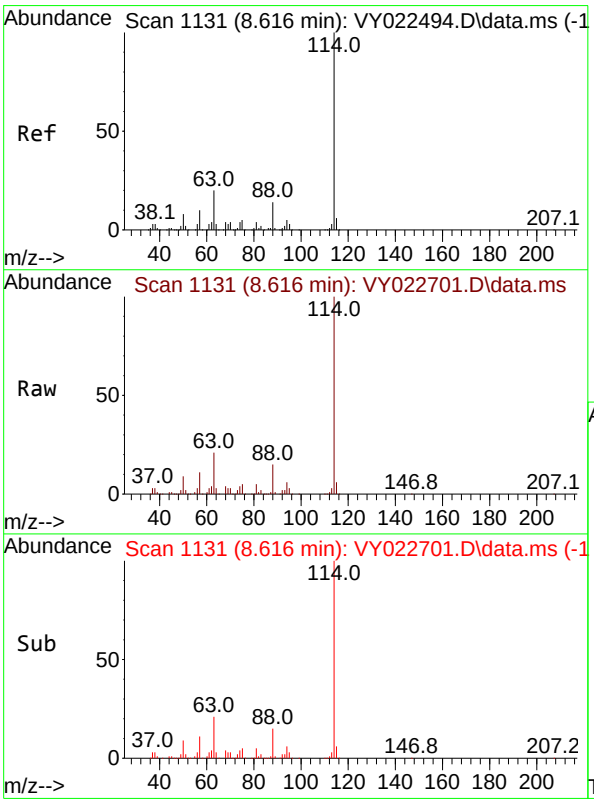
#33
1,2-Dichloroethane-d4
Concen: 55.064 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022701.D
Acq: 16 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-840-842

Tgt Ion: 65 Resp: 68926

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.4

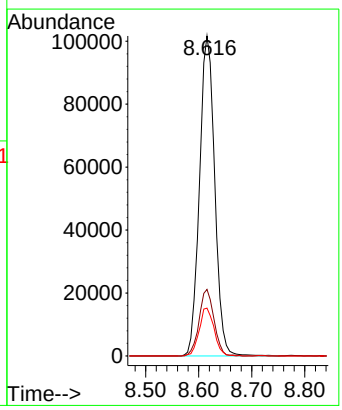


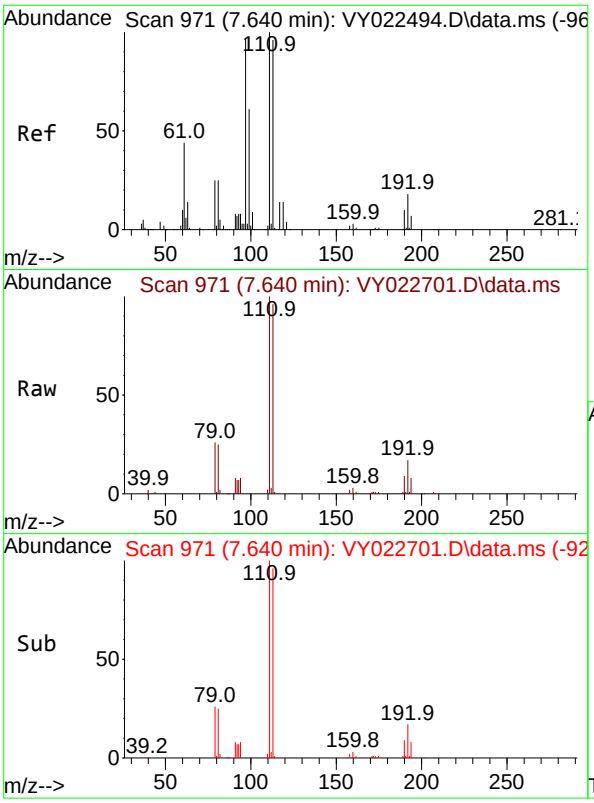


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022701.D
Acq: 16 Jun 2025 12:09

Tgt Ion:114 Resp: 203194

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.8
88	15.0	0.0	27.8



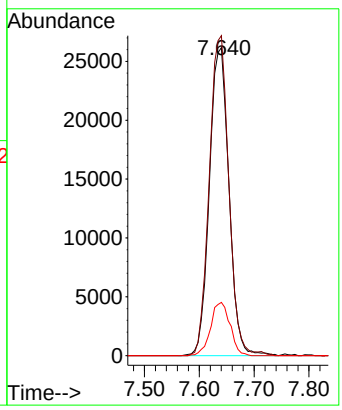


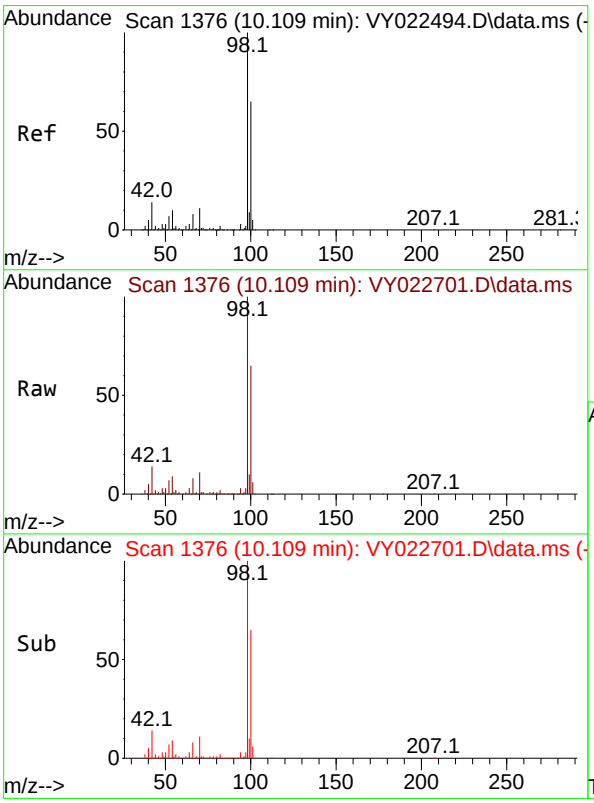
#35
Dibromofluoromethane
Concen: 53.446 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022701.D
Acq: 16 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-840-842

Tgt Ion:113 Resp: 64820

Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.1	121.7
192	17.2	14.2	21.2

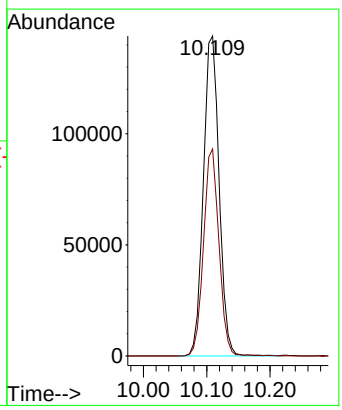


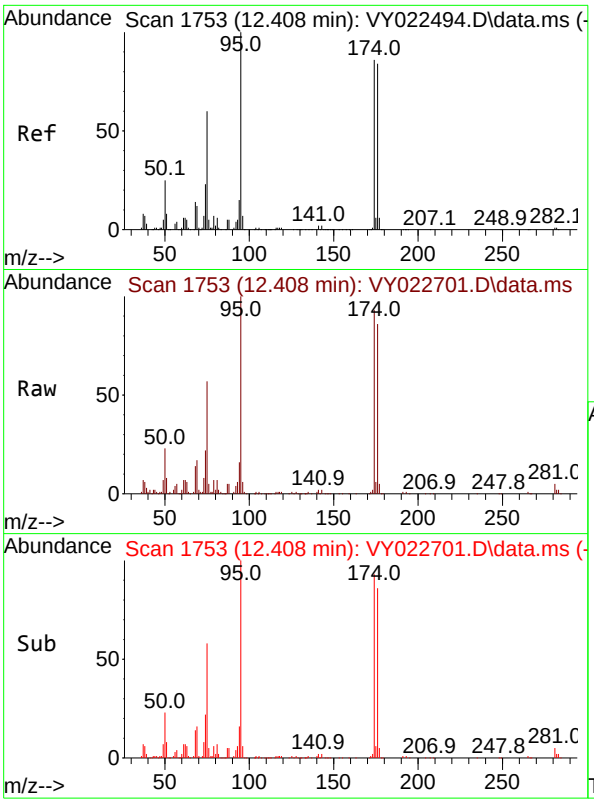


#50
Toluene-d8
Concen: 50.849 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022701.D
Acq: 16 Jun 2025 12:09

Tgt Ion: 98 Resp: 249189

Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.4	77.0



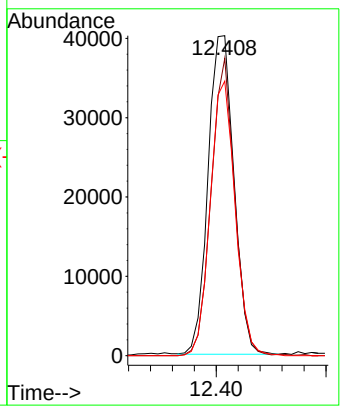


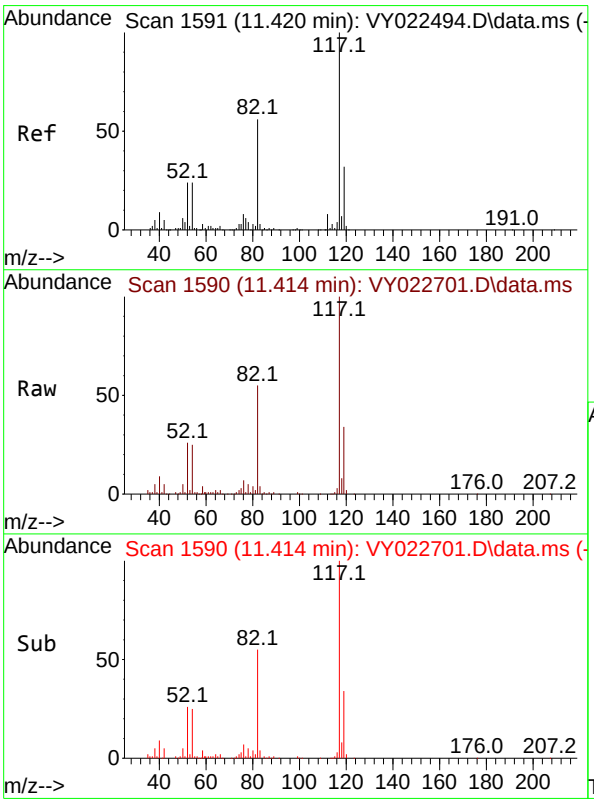
#62
4-Bromofluorobenzene
Concen: 45.139 ug/l
RT: 12.408 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022701.D
Acq: 16 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-840-842

Tgt Ion: 95 Resp: 65908

Ion	Ratio	Lower	Upper
95	100		
174	85.2	0.0	170.0
176	83.1	0.0	166.2

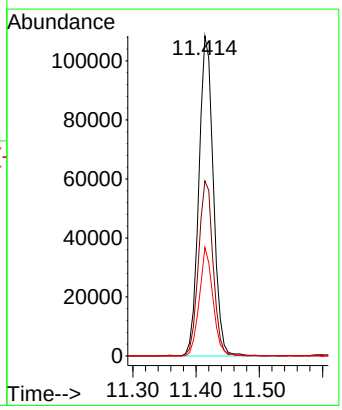


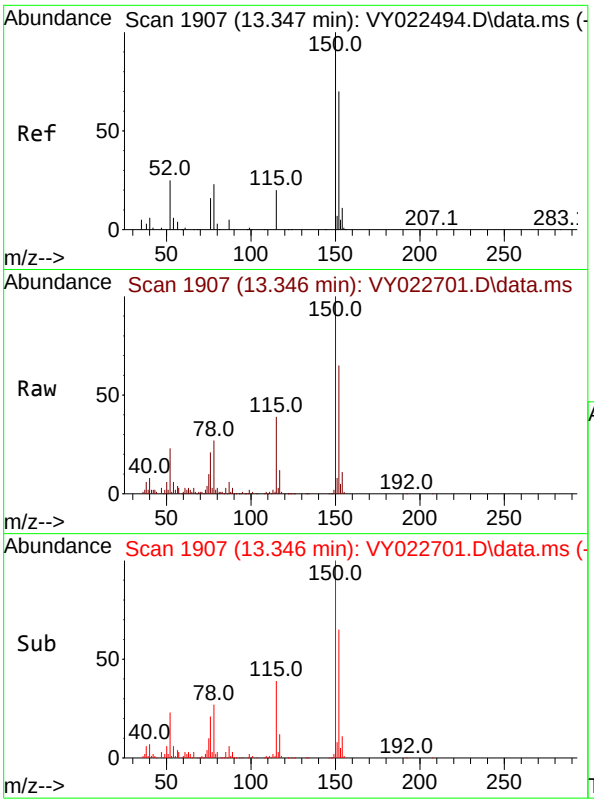


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022701.D
Acq: 16 Jun 2025 12:09

Tgt Ion:117 Resp: 172902

Ion	Ratio	Lower	Upper
117	100		
82	54.6	44.6	66.8
119	33.9	25.4	38.0



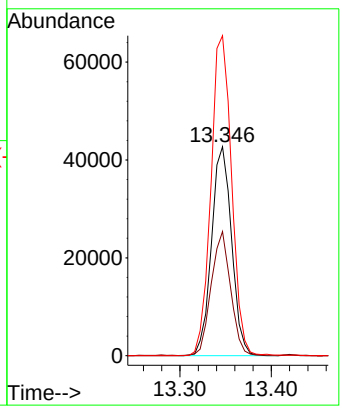


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022701.D
Acq: 16 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-840-842

Tgt Ion:152 Resp: 65272

Ion	Ratio	Lower	Upper
152	100		
115	57.5	28.9	86.7
150	157.7	0.0	349.6



Sample Results: **VY022701.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022701.D
Acq On : 16 Jun 2025 12:09
Operator : SY/MD
Sample : Q2314-08
Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-840-842

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\82Y060225S.M
Title : SW846 8260

Signal : TIC: VY022701.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	13	17	27	rVB3	7519	12600	1.86%	0.217%
2	2.092	53	61	64	rBV4	7206	21359	3.15%	0.368%
3	2.178	72	75	78	rBV2	5426	8912	1.32%	0.154%
4	4.622	464	476	485	rBV3	11907	38603	5.70%	0.665%
5	5.641	638	643	645	rBV4	3902	6795	1.00%	0.117%
6	7.634	961	970	976	rBV	90766	221323	32.68%	3.814%
7	7.707	976	982	994	rVB	147809	343037	50.65%	5.911%
8	8.061	1030	1040	1050	rBV2	89173	206673	30.52%	3.561%
9	8.616	1122	1131	1143	rBV	247448	495508	73.16%	8.538%
10	10.109	1368	1376	1384	rBV	393260	677259	100.00%	11.670%
11	11.219	1548	1558	1567	rVB4	13251	31462	4.65%	0.542%
12	11.310	1567	1573	1576	rBV	7267	10698	1.58%	0.184%
13	11.414	1583	1590	1604	rVB	366676	575249	84.94%	9.912%
14	11.554	1604	1613	1616	rBV7	6366	12149	1.79%	0.209%
15	11.603	1616	1621	1624	rVV5	10788	22155	3.27%	0.382%
16	11.652	1624	1629	1635	rVV5	17835	49403	7.29%	0.851%
17	11.707	1635	1638	1642	rVB2	10061	14649	2.16%	0.252%
18	11.926	1667	1674	1682	rBV4	17701	52748	7.79%	0.909%
19	12.048	1691	1694	1697	rVB4	5429	7504	1.11%	0.129%
20	12.127	1702	1707	1709	rBV4	10996	16867	2.49%	0.291%
21	12.170	1709	1714	1717	rVB4	7850	14206	2.10%	0.245%
22	12.249	1723	1727	1730	rBV5	5633	8603	1.27%	0.148%
23	12.402	1747	1752	1758	rVV	238629	403907	59.64%	6.960%
24	12.450	1758	1760	1764	rVV3	9809	12014	1.77%	0.207%
25	12.572	1777	1780	1786	rVB6	11443	19220	2.84%	0.331%
26	12.645	1786	1792	1796	rBV6	7542	17502	2.58%	0.302%
27	12.731	1796	1806	1811	rBV5	36040	78973	11.66%	1.361%
28	12.780	1811	1814	1820	rVB5	14393	20446	3.02%	0.352%
29	12.853	1821	1826	1827	rBV5	5734	7815	1.15%	0.135%
30	12.871	1827	1829	1833	rVB4	8023	9069	1.34%	0.156%
31	12.932	1833	1839	1841	rBV3	11175	21018	3.10%	0.362%
32	12.962	1841	1844	1847	rBV4	7761	9423	1.39%	0.162%
33	13.103	1862	1867	1872	rVB7	8971	17842	2.63%	0.307%
34	13.170	1874	1878	1880	rVV4	9497	12636	1.87%	0.218%
35	13.212	1880	1885	1893	rVV8	21481	59222	8.74%	1.020%
36	13.279	1893	1896	1900	rVV6	7382	11123	1.64%	0.192%

Sample Results: **VY022701.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022701.D
Acq On : 16 Jun 2025 12:09
Operator : SY/MD
Sample : Q2314-08
Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-840-842

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\82Y060225S.M
Title : SW846 8260

37	13.346	1900	1907	1912	rVV	280165	446619	65.95%	7.696%
38	13.414	1912	1918	1923	rVV3	16762	43388	6.41%	0.748%
39	13.468	1923	1927	1934	rVB5	11037	23886	3.53%	0.412%
40	13.535	1934	1938	1939	rBV4	6307	8441	1.25%	0.145%
41	13.560	1940	1942	1947	rVB4	8717	11220	1.66%	0.193%
42	13.621	1947	1952	1954	rBV5	5853	10144	1.50%	0.175%
43	13.664	1954	1959	1964	rVV3	33585	62440	9.22%	1.076%
44	13.712	1964	1967	1971	rVB5	8286	11617	1.72%	0.200%
45	13.883	1992	1995	2000	rVB3	10168	16218	2.39%	0.279%
46	14.060	2019	2024	2027	rVV7	7886	12669	1.87%	0.218%
47	14.115	2028	2033	2037	rVV5	15383	26483	3.91%	0.456%
48	14.170	2037	2042	2049	rVV5	55558	103148	15.23%	1.777%
49	14.230	2050	2052	2059	rVV7	8796	15522	2.29%	0.267%
50	14.304	2061	2064	2065	rVV3	9387	12147	1.79%	0.209%
51	14.340	2065	2070	2074	rVV	52552	82937	12.25%	1.429%
52	14.395	2074	2079	2084	rVB4	20937	38500	5.68%	0.663%
53	14.529	2097	2101	2108	rBV2	59055	94002	13.88%	1.620%
54	14.602	2108	2113	2116	rBV2	38468	66627	9.84%	1.148%
55	14.645	2116	2120	2126	rVB3	89228	138320	20.42%	2.383%
56	14.712	2127	2131	2135	rBV5	17906	39097	5.77%	0.674%
57	14.767	2135	2140	2143	rBV2	66048	119827	17.69%	2.065%
58	14.852	2148	2154	2158	rVB8	30249	68819	10.16%	1.186%
59	14.907	2159	2163	2166	rBV6	11021	20841	3.08%	0.359%
60	14.950	2166	2170	2175	rBV7	26219	52757	7.79%	0.909%
61	15.047	2181	2186	2193	rVB6	59861	137234	20.26%	2.365%
62	15.121	2193	2198	2202	rBV3	65146	104132	15.38%	1.794%
63	15.169	2202	2206	2215	rBV7	43509	106359	15.70%	1.833%
64	15.340	2230	2234	2240	rBV3	58137	87671	12.94%	1.511%
65	15.401	2240	2244	2247	rVV6	15575	26639	3.93%	0.459%
66	15.450	2249	2252	2256	rVV4	24286	33576	4.96%	0.579%
67	15.505	2257	2261	2267	rVB6	38964	68645	10.14%	1.183%
68	15.919	2324	2329	2334	rBV	42710	73492	10.85%	1.266%
69	16.047	2346	2350	2356	rVB8	15483	28584	4.22%	0.493%
70	16.248	2379	2383	2386	rVB2	12002	17206	2.54%	0.296%
71	16.389	2403	2406	2413	rVB6	16987	32176	4.75%	0.554%
72	16.614	2437	2443	2444	rBV5	7122	14213	2.10%	0.245%

Sum of corrected areas: 5803568

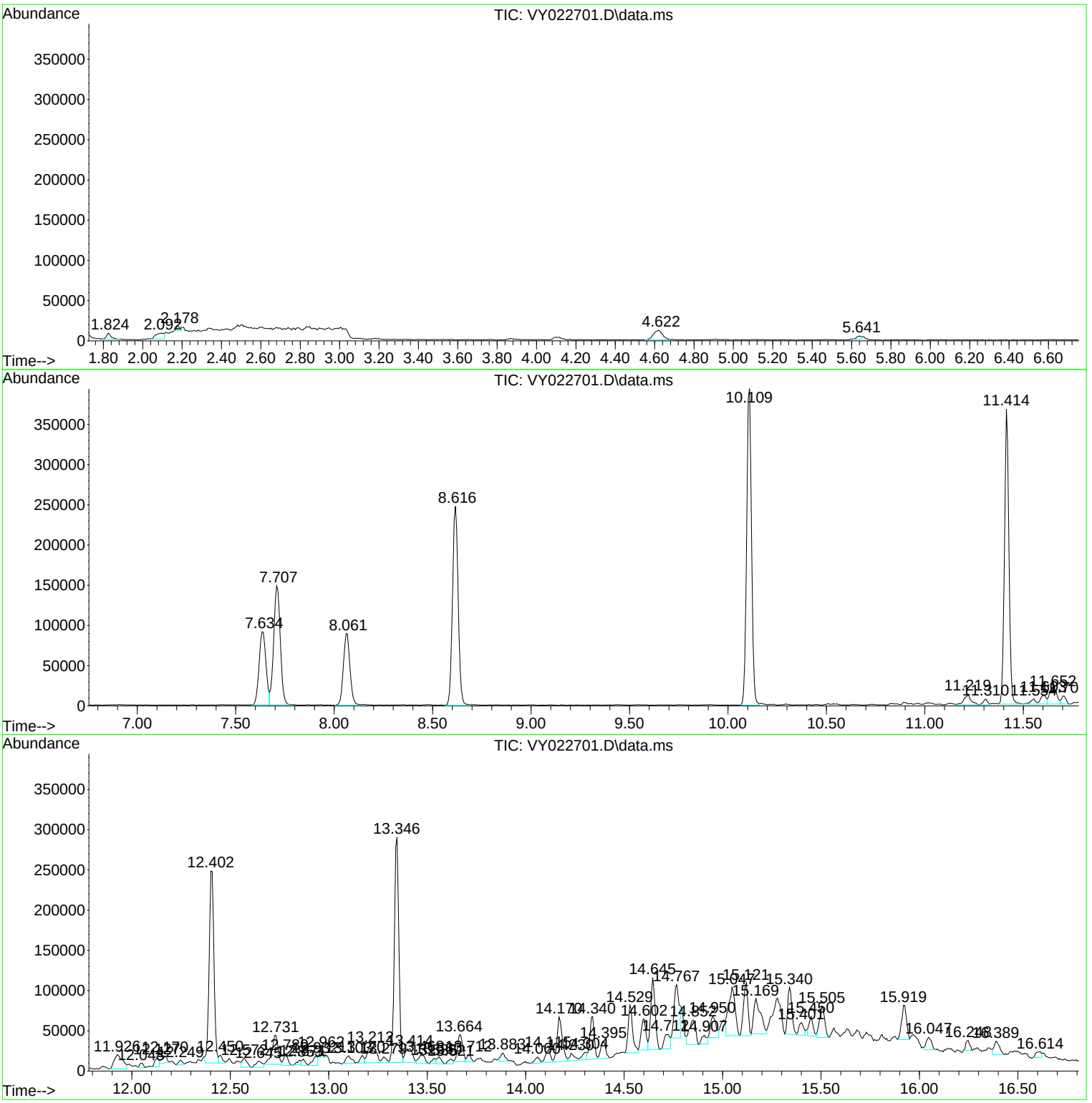
Sample Results: **VY022701.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022701.D
Acq On : 16 Jun 2025 12:09
Operator : SY/MD
Sample : Q2314-08
Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-840-842

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.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\VY061625\
Data File : VY022701.D
Acq On : 16 Jun 2025 12:09
Operator : SY/MD
Sample : Q2314-08
Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-840-842

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.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\VY061625\
Data File : VY022701.D
Acq On : 16 Jun 2025 12:09
Operator : SY/MD
Sample : Q2314-08
Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-840-842

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.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: TETR06

Lab Code: CHEM Case No.: Q2314 SAS No.: Q2314 SDG No.: Q2314

Instrument ID: MSVOA_N Calibration Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:44 14:49

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

LAB FILE ID: RRF001 = VN086862.D RRF005 = VN086863.D RRF020 = VN086864.D
RRF050 = VN086865.D RRF100 = VN086866.D RRF150 = VN086867.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Chloromethane	0.762	0.654	0.645	0.597	0.617	0.587	0.644	9.9
Vinyl Chloride	0.670	0.670	0.684	0.640	0.673	0.648	0.664	2.5
Bromomethane		0.375	0.380	0.357	0.379	0.368	0.372	2.6
Chloroethane	0.460	0.444	0.442	0.408	0.418	0.402	0.429	5.4
Trichlorofluoromethane	0.882	0.903	0.904	0.834	0.858	0.825	0.868	3.9
1,1,2-Trichlorotrifluoroethane	0.554	0.567	0.563	0.519	0.546	0.520	0.545	3.8
1,1-Dichloroethene	0.573	0.593	0.563	0.533	0.550	0.527	0.557	4.4
Acetone	0.426	0.366	0.366	0.322	0.334	0.316	0.355	11.5
Carbon Disulfide	1.718	1.622	1.542	1.426	1.496	1.433	1.539	7.4
Methyl tert-butyl Ether	2.120	2.038	2.051	1.933	2.021	1.926	2.015	3.7
Methylene Chloride	0.822	0.688	0.643	0.605	0.629	0.601	0.665	12.5
trans-1,2-Dichloroethene	0.700	0.674	0.621	0.567	0.591	0.561	0.619	9.3
1,1-Dichloroethane	1.192	1.153	1.156	1.063	1.110	1.043	1.120	5.2
2-Butanone	0.604	0.598	0.604	0.551	0.573	0.533	0.577	5.2
Carbon Tetrachloride	0.453	0.449	0.434	0.409	0.435	0.421	0.433	3.9
cis-1,2-Dichloroethene	0.786	0.766	0.762	0.699	0.729	0.701	0.740	4.9
Chloroform	1.235	1.152	1.145	1.061	1.085	1.030	1.118	6.7
1,1,1-Trichloroethane	1.029	0.995	0.969	0.895	0.925	0.893	0.951	5.9
Methylcyclohexane	0.633	0.645	0.588	0.570	0.603	0.589	0.605	4.8
Benzene	1.588	1.501	1.444	1.345	1.414	1.371	1.444	6.2
1,2-Dichloroethane	0.473	0.456	0.444	0.411	0.430	0.413	0.438	5.6
Trichloroethene	0.359	0.360	0.341	0.327	0.340	0.328	0.342	4.2
1,2-Dichloropropane	0.366	0.369	0.354	0.332	0.352	0.335	0.351	4.4
Bromodichloromethane	0.510	0.484	0.480	0.457	0.483	0.465	0.480	3.8
4-Methyl-2-Pentanone	0.505	0.549	0.576	0.538	0.562	0.528	0.543	4.6
Toluene	0.918	0.914	0.885	0.835	0.883	0.859	0.882	3.6
t-1,3-Dichloropropene	0.571	0.526	0.524	0.522	0.548	0.530	0.537	3.6
cis-1,3-Dichloropropene	0.609	0.577	0.564	0.551	0.584	0.561	0.574	3.6
1,1,2-Trichloroethane	0.359	0.355	0.342	0.322	0.335	0.323	0.340	4.7
2-Hexanone	0.312	0.282	0.363	0.368	0.397	0.376	0.350	12.4

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

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2314 SAS No.: Q2314 SDG No.: Q2314

Instrument ID: MSVOA_N Calibration Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:44 14:49

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

LAB FILE ID: RRF001 = VN086862.D RRF005 = VN086863.D RRF020 = VN086864.D
RRF050 = VN086865.D RRF100 = VN086866.D RRF150 = VN086867.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dibromochloromethane	0.361	0.351	0.358	0.340	0.363	0.349	0.354	2.5
Tetrachloroethene	0.355	0.331	0.312	0.294	0.313	0.293	0.316	7.5
Chlorobenzene	1.233	1.135	1.107	1.023	1.089	1.030	1.103	7
Ethyl Benzene	1.989	1.975	1.907	1.796	1.913	1.816	1.900	4.2
m/p-Xylenes	0.730	0.751	0.741	0.701	0.736	0.703	0.727	2.8
o-Xylene	0.714	0.699	0.702	0.674	0.711	0.678	0.696	2.4
Styrene	1.177	1.193	1.226	1.162	1.229	1.164	1.192	2.5
Bromoform	0.217	0.266	0.276	0.265	0.286	0.267	0.263	9.1
Isopropylbenzene	3.864	3.749	3.649	3.426	3.621	3.546	3.643	4.2
1,1,2,2-Tetrachloroethane	1.292	1.299	1.273	1.178	1.205	1.157	1.234	5
1,3-Dichlorobenzene	1.763	1.709	1.657	1.554	1.612	1.566	1.644	5
1,4-Dichlorobenzene	1.820	1.786	1.657	1.572	1.642	1.576	1.676	6.3
1,2-Dichlorobenzene	1.675	1.651	1.596	1.500	1.557	1.496	1.579	4.8
1,2-Dichloroethane-d4		0.732	0.707	0.500	0.656	0.751	0.669	15.1
Dibromofluoromethane		0.303	0.310	0.219	0.298	0.351	0.296	16.2
Toluene-d8		1.245	1.203	0.861	1.178	1.377	1.173	16.2
4-Bromofluorobenzene		0.441	0.446	0.325	0.446	0.521	0.436	16.2

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

Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N060625W.M
Title : SW846 8260
Last Update : Sat Jun 07 02:12:50 2025
Response Via : Initial Calibration

Calibration Files
1 =VN086862.D 5 =VN086863.D 20 =VN086864.D 50 =VN086865.D 100 =VN086866.D 150 =VN086867.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.467	0.444	0.539	0.501	0.535	0.506	0.499	7.51
3)	P	Chloromethane	0.762	0.654	0.645	0.597	0.617	0.587	0.644	9.85
4)	C	Vinyl Chloride	0.670	0.670	0.684	0.640	0.673	0.648	0.664	2.49#
5)	T	Bromomethane		0.375	0.380	0.357	0.379	0.368	0.372	2.57
6)	T	Chloroethane	0.460	0.444	0.442	0.408	0.418	0.402	0.429	5.37
7)	T	Trichlorofluor...	0.882	0.903	0.904	0.834	0.858	0.825	0.868	3.93
8)	T	Diethyl Ether	0.372	0.397	0.383	0.363	0.384	0.369	0.378	3.28
9)	T	1,1,2-Trichlor...	0.554	0.567	0.563	0.519	0.546	0.520	0.545	3.83
10)	T	Methyl Iodide		0.720	0.729	0.683	0.722	0.679	0.707	3.35
11)	T	Tert butyl alc...		0.192	0.194	0.176	0.180	0.166	0.182	6.37
12)	CM	1,1-Dichloroet...	0.573	0.593	0.563	0.533	0.550	0.527	0.557	4.44#
13)	T	Acrolein		0.073	0.051	0.045	0.052	0.066	0.057	20.26
14)	T	Allyl chloride	0.985	0.911	0.925	0.865	0.905	0.947	0.923	4.40
15)	T	Acrylonitrile	0.434	0.434	0.445	0.407	0.423	0.404	0.425	3.82
16)	T	Acetone	0.426	0.366	0.366	0.322	0.334	0.316	0.355	11.53
17)	T	Carbon Disulfide	1.718	1.621	1.542	1.426	1.496	1.433	1.539	7.38
18)	T	Methyl Acetate	1.035	1.049	1.078	0.986	1.049	1.011	1.035	3.10
19)	T	Methyl tert-bu...	2.120	2.038	2.051	1.933	2.021	1.926	2.015	3.69
20)	T	Methylene Chlo...	0.822	0.688	0.643	0.605	0.629	0.601	0.665	12.52
21)	T	trans-1,2-Dich...	0.700	0.674	0.621	0.567	0.591	0.561	0.619	9.25
22)	T	Diisopropyl ether	2.018	2.020	2.036	1.856	1.915	1.828	1.945	4.70
23)	T	Vinyl Acetate	1.743	1.692	1.715	1.591	1.604	1.517	1.644	5.29
24)	P	1,1-Dichloroet...	1.192	1.152	1.156	1.063	1.110	1.043	1.120	5.17
25)	T	2-Butanone	0.604	0.598	0.604	0.551	0.573	0.533	0.577	5.18
26)	T	2,2-Dichloropr...	0.967	0.796	0.778	0.905	0.912	0.868	0.871	8.32
27)	T	cis-1,2-Dichlo...	0.786	0.766	0.762	0.699	0.729	0.701	0.740	4.93
28)	T	Bromochloromet...	0.579	0.564	0.616	0.466	0.517	0.560	0.550	9.48
29)	T	Tetrahydrofuran	0.390	0.390	0.399	0.358	0.372	0.346	0.376	5.46
30)	C	Chloroform	1.235	1.151	1.145	1.061	1.085	1.030	1.118	6.66#
31)	T	Cyclohexane		1.303	1.116	1.004	1.030	0.976	1.086	12.21
32)	T	1,1,1-Trichlor...	1.029	0.995	0.969	0.895	0.925	0.893	0.951	5.88
33)	S	1,2-Dichloroet...		0.732	0.707	0.500	0.656	0.751	0.669	15.08
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.303	0.310	0.219	0.298	0.351	0.296	16.15
36)	T	1,1-Dichloropr...	0.467	0.458	0.438	0.418	0.442	0.426	0.442	4.23
37)	T	Ethyl Acetate	0.544	0.615	0.577	0.536	0.565	0.535	0.562	5.48
38)	T	Carbon Tetrach...	0.453	0.449	0.434	0.409	0.435	0.421	0.433	3.88
39)	T	Methylcyclohexane	0.633	0.645	0.588	0.570	0.603	0.589	0.605	4.75
40)	TM	Benzene	1.588	1.501	1.444	1.345	1.414	1.371	1.444	6.20
41)	T	Methacrylonitrile	0.356	0.319	0.318	0.303	0.299	0.299	0.316	6.84
42)	TM	1,2-Dichloroet...	0.473	0.456	0.444	0.411	0.430	0.413	0.438	5.60
43)	T	Isopropyl Acetate	0.975	0.950	0.906	0.852	0.884	0.845	0.902	5.79
44)	TM	Trichloroethene	0.359	0.360	0.341	0.327	0.340	0.327	0.342	4.17
45)	C	1,2-Dichloropr...	0.366	0.369	0.354	0.332	0.352	0.335	0.351	4.40#
46)	T	Dibromomethane	0.233	0.242	0.241	0.221	0.237	0.226	0.233	3.54
47)	T	Bromodichlorom...	0.510	0.484	0.480	0.457	0.483	0.465	0.480	3.80
48)	T	Methyl methacr...	0.444	0.415	0.421	0.394	0.421	0.397	0.415	4.40
49)	T	1,4-Dioxane	0.006	0.007	0.008	0.008	0.008	0.007	0.008	9.40
50)	S	Toluene-d8		1.245	1.203	0.861	1.178	1.377	1.173	16.23
51)	T	4-Methyl-2-Pen...	0.505	0.549	0.576	0.538	0.562	0.528	0.543	4.64
52)	CM	Toluene	0.918	0.914	0.885	0.835	0.883	0.859	0.882	3.61#
53)	T	t-1,3-Dichloro...	0.571	0.526	0.524	0.522	0.548	0.530	0.537	3.59
54)	T	cis-1,3-Dichlo...	0.609	0.577	0.564	0.551	0.584	0.561	0.574	3.61
55)	T	1,1,2-Trichlor...	0.359	0.355	0.342	0.322	0.335	0.323	0.340	4.66
56)	T	Ethyl methacry...	0.433	0.516	0.567	0.556	0.595	0.578	0.541	10.92

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N060625W.M

57)	T	1,3-Dichloropr...	0.643	0.600	0.587	0.561	0.583	0.559	0.589	5.27
58)	T	2-Chloroethyl ...	0.278	0.305	0.334	0.274	0.340	0.405	0.323	15.07
59)	T	2-Hexanone	0.312	0.282	0.363	0.368	0.397	0.376	0.350	12.36
60)	T	Dibromochlorom...	0.361	0.351	0.358	0.340	0.363	0.349	0.354	2.49
61)	T	1,2-Dibromoethane	0.353	0.358	0.354	0.329	0.354	0.341	0.348	3.18
62)	S	4-Bromofluorob...		0.441	0.446	0.325	0.446	0.521	0.436	16.16
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.355	0.331	0.312	0.294	0.313	0.293	0.316	7.51
65)	PM	Chlorobenzene	1.233	1.135	1.107	1.023	1.089	1.030	1.103	7.01
66)	T	1,1,1,2-Tetrac...	0.362	0.374	0.358	0.338	0.356	0.338	0.354	3.99
67)	C	Ethyl Benzene	1.989	1.975	1.907	1.796	1.913	1.816	1.899	4.19#
68)	T	m/p-Xylenes	0.730	0.751	0.741	0.701	0.736	0.703	0.727	2.82
69)	T	o-Xylene	0.714	0.699	0.702	0.674	0.711	0.678	0.696	2.42
70)	T	Styrene	1.177	1.193	1.226	1.162	1.229	1.164	1.192	2.51
71)	P	Bromoform	0.217	0.266	0.276	0.265	0.286	0.267	0.263	9.09
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.864	3.749	3.649	3.426	3.621	3.546	3.643	4.21
74)	T	N-amyl acetate	1.376	1.110	1.187	1.266	1.372	1.327	1.273	8.42
75)	P	1,1,2,2-Tetrac...	1.292	1.299	1.273	1.178	1.205	1.157	1.234	4.99
76)	T	1,2,3-Trichlor...	1.297	1.189	1.129	1.173	1.201	1.142	1.189	5.03
77)	T	Bromobenzene	0.870	0.855	0.840	0.790	0.838	0.819	0.835	3.36
78)	T	n-propylbenzene	4.530	4.627	4.449	4.211	4.424	4.317	4.427	3.35
79)	T	2-Chlorotoluene	2.852	2.723	2.674	2.507	2.618	2.554	2.655	4.69
80)	T	1,3,5-Trimethy...	3.004	3.091	3.035	2.898	3.064	2.953	3.007	2.39
81)	T	trans-1,4-Dich...		0.510	0.522	0.476	0.546	0.528	0.516	5.06
82)	T	4-Chlorotoluene	2.899	2.757	2.671	2.531	2.664	2.595	2.686	4.81
83)	T	tert-Butylbenzene	2.942	2.810	2.736	2.617	2.745	2.668	2.753	4.14
84)	T	1,2,4-Trimethy...	2.952	3.122	3.063	2.914	3.075	2.968	3.016	2.73
85)	T	sec-Butylbenzene	4.114	4.126	4.037	3.829	4.018	3.861	3.998	3.15
86)	T	p-Isopropyltol...	3.305	3.425	3.321	3.184	3.366	3.227	3.305	2.68
87)	T	1,3-Dichlorobe...	1.763	1.709	1.657	1.554	1.612	1.566	1.644	5.01
88)	T	1,4-Dichlorobe...	1.820	1.786	1.657	1.572	1.642	1.576	1.676	6.27
89)	T	n-Butylbenzene	3.473	3.292	3.140	3.059	3.188	3.054	3.201	4.99
90)	T	Hexachloroethane	0.580	0.537	0.569	0.537	0.577	0.562	0.560	3.43
91)	T	1,2-Dichlorobe...	1.675	1.651	1.596	1.500	1.557	1.496	1.579	4.77
92)	T	1,2-Dibromo-3-...	0.339	0.317	0.290	0.272	0.283	0.270	0.295	9.29
93)	T	1,2,4-Trichlor...	1.042	1.037	0.991	0.969	1.016	0.994	1.008	2.82
94)	T	Hexachlorobuta...	0.364	0.391	0.385	0.363	0.382	0.369	0.376	3.11
95)	T	Naphthalene	3.820	3.727	3.761	3.600	3.839	3.772	3.753	2.27
96)	T	1,2,3-Trichlor...	1.073	1.009	0.993	0.950	1.000	0.987	1.002	4.05

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086862.D
Acq On : 06 Jun 2025 12:44
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 01:54:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.235	168	212682	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.106	114	393457	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	348010	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	167399	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	2.153	85	1985	0.936	ug/l		72
3) Chloromethane	2.400	50	3241	1.184	ug/l		98
4) Vinyl Chloride	2.559	62	2848	1.008	ug/l	#	88
6) Chloroethane	3.159	64	1957	1.073	ug/l	#	79
7) Trichlorofluoromethane	3.530	101	3752	1.017	ug/l		97
8) Diethyl Ether	3.994	74	1583	0.984	ug/l		76
9) 1,1,2-Trichlorotrifluo...	4.377	101	2358m	1.017	ug/l		
12) 1,1-Dichloroethene	4.365	96	2436	1.029	ug/l		85
14) Allyl chloride	5.041	41	4189	1.067	ug/l	#	75
15) Acrylonitrile	5.735	53	9222	5.106	ug/l		96
16) Acetone	4.459	43	9069	6.006	ug/l		95
17) Carbon Disulfide	4.730	76	7306	1.116	ug/l		97
18) Methyl Acetate	5.053	43	4402	1.000	ug/l	#	66
19) Methyl tert-butyl Ether	5.824	73	9019	1.052	ug/l		92
20) Methylene Chloride	5.294	84	3496	1.237	ug/l		93
21) trans-1,2-Dichloroethene	5.800	96	2979	1.131	ug/l		87
22) Diisopropyl ether	6.682	45	8584	1.037	ug/l	#	96
23) Vinyl Acetate	6.618	43	37075	5.303	ug/l		95
24) 1,1-Dichloroethane	6.588	63	5071	1.065	ug/l	#	81
25) 2-Butanone	7.500	43	12841	5.231	ug/l		93
26) 2,2-Dichloropropane	7.500	77	4112	1.110	ug/l		94
27) cis-1,2-Dichloroethene	7.494	96	3345	1.062	ug/l		95
28) Bromochloromethane	7.824	49	2464	1.052	ug/l	#	88
29) Tetrahydrofuran	7.853	42	8301	5.191	ug/l		100
30) Chloroform	7.971	83	5255	1.105	ug/l		97
32) 1,1,1-Trichloroethane	8.171	97	4378	1.082	ug/l	#	50
36) 1,1-Dichloropropene	8.376	75	3678	1.059	ug/l		96
37) Ethyl Acetate	7.577	43	4282	0.968	ug/l	#	78
38) Carbon Tetrachloride	8.376	117	3563	1.045	ug/l	#	93
39) Methylcyclohexane	9.606	83	4981	1.046	ug/l	#	90
40) Benzene	8.612	78	12498	1.100	ug/l		100
41) Methacrylonitrile	7.782	41	2799	1.127	ug/l		89
42) 1,2-Dichloroethane	8.682	62	3725	1.081	ug/l		82
43) Isopropyl Acetate	8.694	43	7673	1.081	ug/l	#	96
44) Trichloroethene	9.365	130	2822	1.047	ug/l		71
45) 1,2-Dichloropropane	9.629	63	2883	1.043	ug/l		95

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086862.D
Acq On : 06 Jun 2025 12:44
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 01:54:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	9.712	93	1835	0.999	ug/l		94
47) Bromodichloromethane	9.888	83	4017	1.063	ug/l	#	96
48) Methyl methacrylate	9.688	41	3492	1.069	ug/l		88
49) 1,4-Dioxane	9.706	88	1004	16.891	ug/l	#	74
51) 4-Methyl-2-Pentanone	10.453	43	19886	4.653	ug/l		99
52) Toluene	10.635	92	7227	1.041	ug/l		95
53) t-1,3-Dichloropropene	10.841	75	4494	1.064	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	4792	1.060	ug/l		97
55) 1,1,2-Trichloroethane	11.023	97	2828	1.058	ug/l		89
56) Ethyl methacrylate	10.882	69	3406	0.800	ug/l	#	85
57) 1,3-Dichloropropane	11.170	76	5062	1.092	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	10924	4.304	ug/l		97
59) 2-Hexanone	11.235	43	12295m	4.466	ug/l		
60) Dibromochloromethane	11.359	129	2843	1.021	ug/l		96
61) 1,2-Dibromoethane	11.470	107	2777	1.014	ug/l		96
64) Tetrachloroethene	11.106	164	2473	1.123	ug/l		94
65) Chlorobenzene	11.894	112	8581	1.118	ug/l	#	87
66) 1,1,1,2-Tetrachloroethane	11.959	131	2523	1.023	ug/l	#	63
67) Ethyl Benzene	11.970	91	13845	1.047	ug/l		94
68) m/p-Xylenes	12.070	106	10163	2.008	ug/l		95
69) o-Xylene	12.400	106	4970	1.025	ug/l		93
70) Styrene	12.417	104	8189	0.987	ug/l		98
71) Bromoform	12.582	173	1508	0.825	ug/l	#	78
73) Isopropylbenzene	12.694	105	12938	1.061	ug/l		98
74) N-amyl acetate	12.647	43	4608m	1.138	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.935	83	4326	1.047	ug/l	#	93
76) 1,2,3-Trichloropropane	13.000	75	4343m	1.088	ug/l		
77) Bromobenzene	12.982	156	2913	1.042	ug/l		96
78) n-propylbenzene	13.035	91	15168	1.023	ug/l		98
79) 2-Chlorotoluene	13.123	91	9550	1.074	ug/l		97
80) 1,3,5-Trimethylbenzene	13.170	105	10058	0.999	ug/l		96
82) 4-Chlorotoluene	13.223	91	9706	1.079	ug/l		96
83) tert-Butylbenzene	13.435	119	9849	1.069	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	9882	0.979	ug/l		99
85) sec-Butylbenzene	13.617	105	13775	1.029	ug/l		100
86) p-Isopropyltoluene	13.729	119	11065	1.000	ug/l		97
87) 1,3-Dichlorobenzene	13.735	146	5903	1.073	ug/l		94
88) 1,4-Dichlorobenzene	13.811	146	6094m	1.086	ug/l		
89) n-Butylbenzene	14.058	91	11627	1.085	ug/l		94
90) Hexachloroethane	14.329	117	1942	1.036	ug/l		93
91) 1,2-Dichlorobenzene	14.106	146	5607	1.061	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	1136	1.150	ug/l		78
93) 1,2,4-Trichlorobenzene	15.388	180	3489	1.034	ug/l		98
94) Hexachlorobutadiene	15.500	225	1219	0.969	ug/l		88
95) Naphthalene	15.635	128	12789	1.018	ug/l		98
96) 1,2,3-Trichlorobenzene	15.835	180	3594	1.072	ug/l		96

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

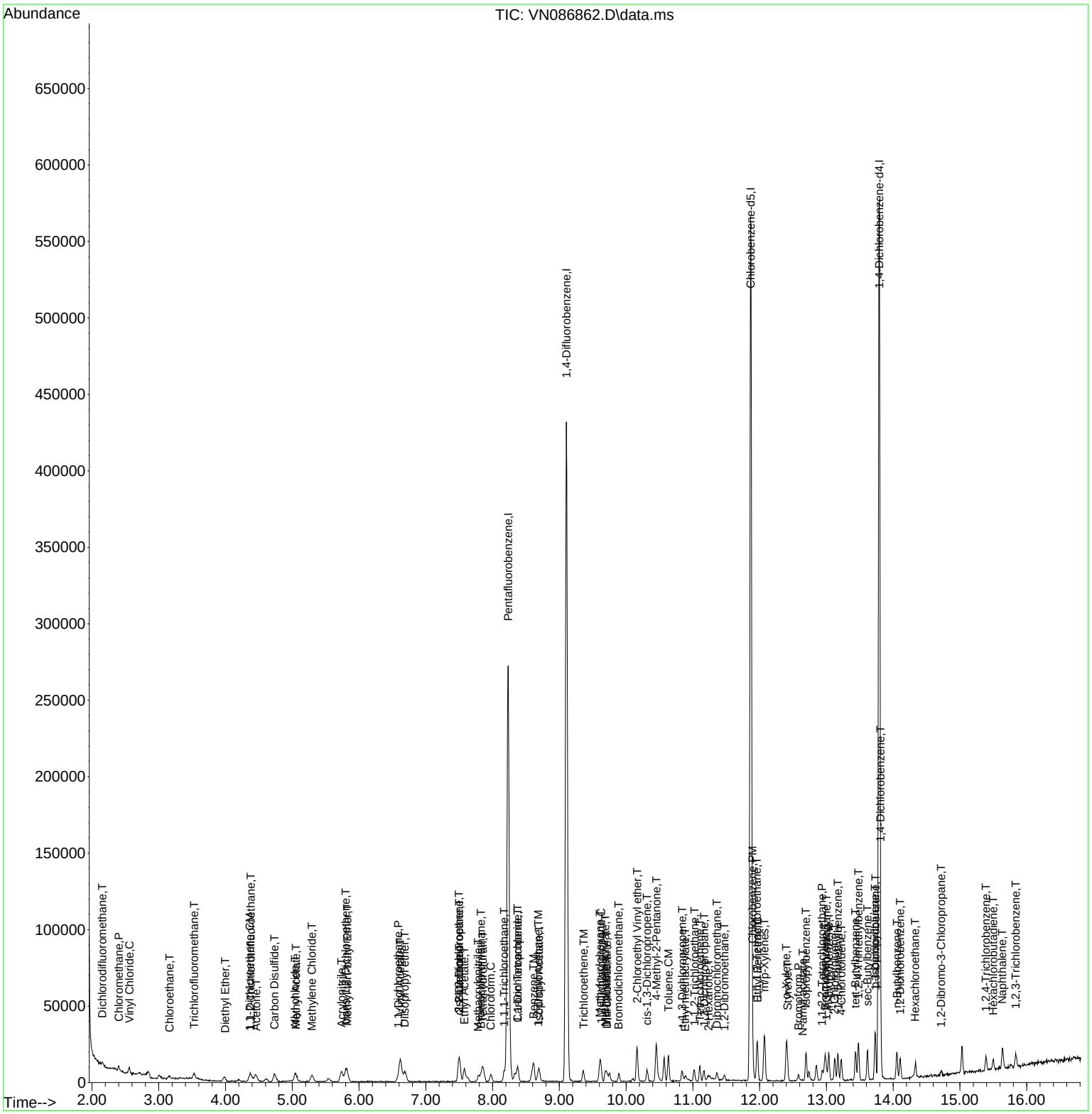
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086862.D
Acq On : 06 Jun 2025 12:44
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

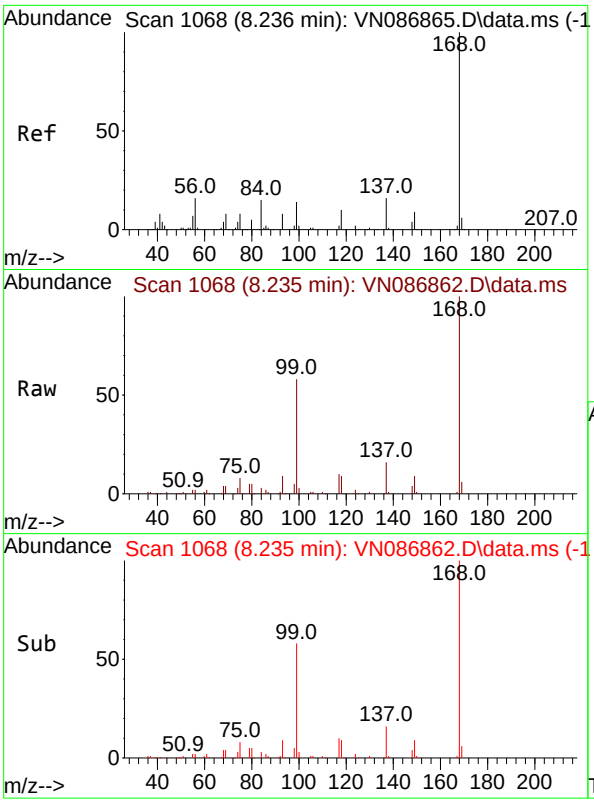
Quant Time: Jun 07 01:54:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

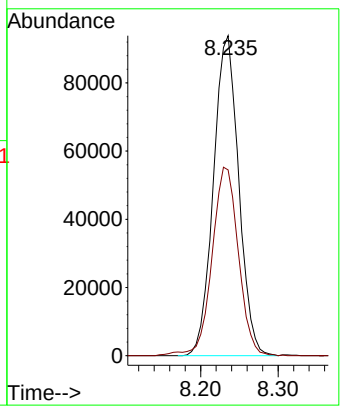




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:168 Resp: 21268

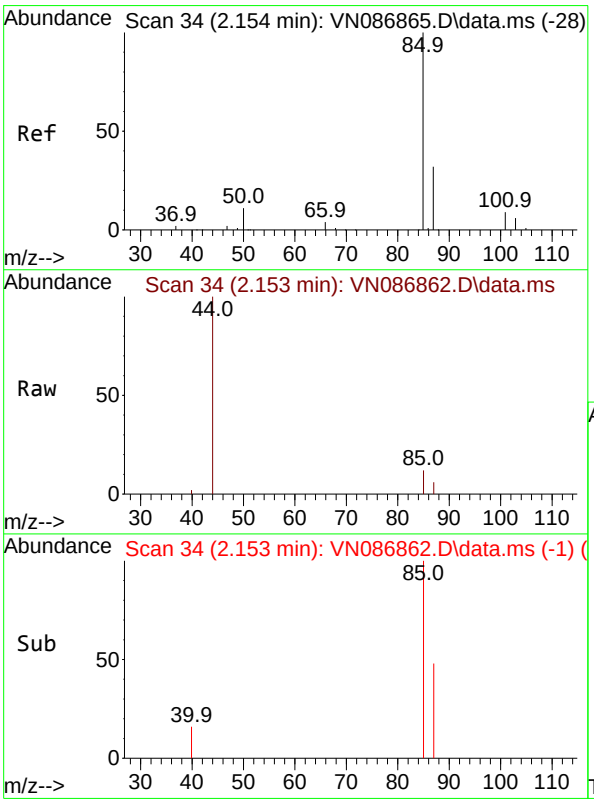
Ion	Ratio	Lower	Upper
168	100		
99	58.1	49.1	73.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

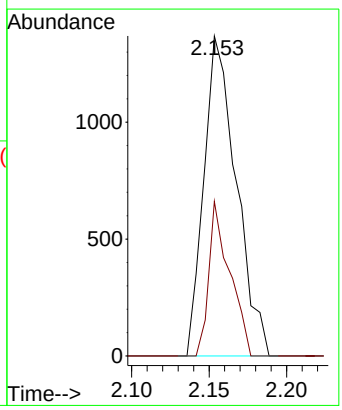
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

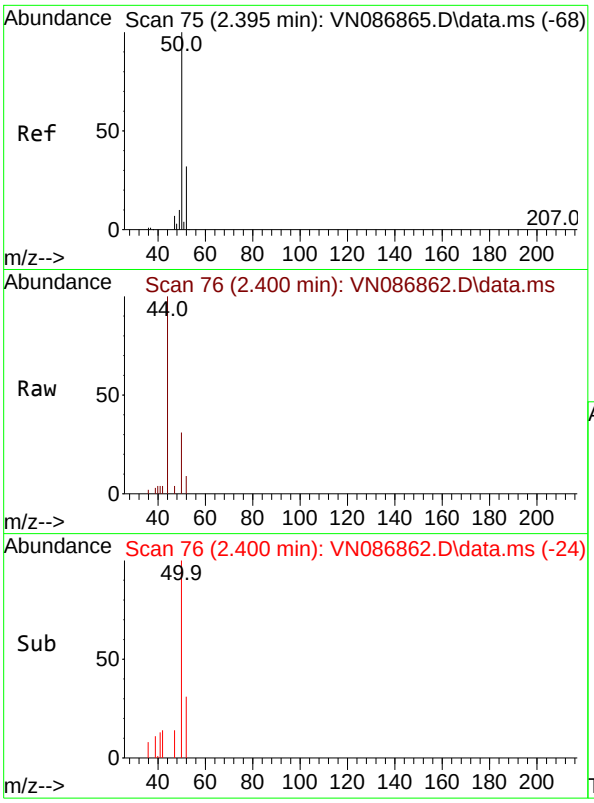


#2
Dichlorodifluoromethane
Concen: 0.936 ug/l
RT: 2.153 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 85 Resp: 1985

Ion	Ratio	Lower	Upper
85	100		
87	48.3	16.2	48.6

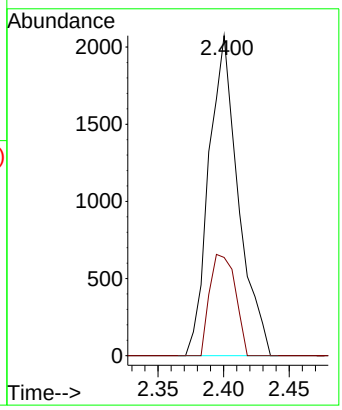




#3
Chloromethane
Concen: 1.184 ug/l
RT: 2.400 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 50 Resp: 324

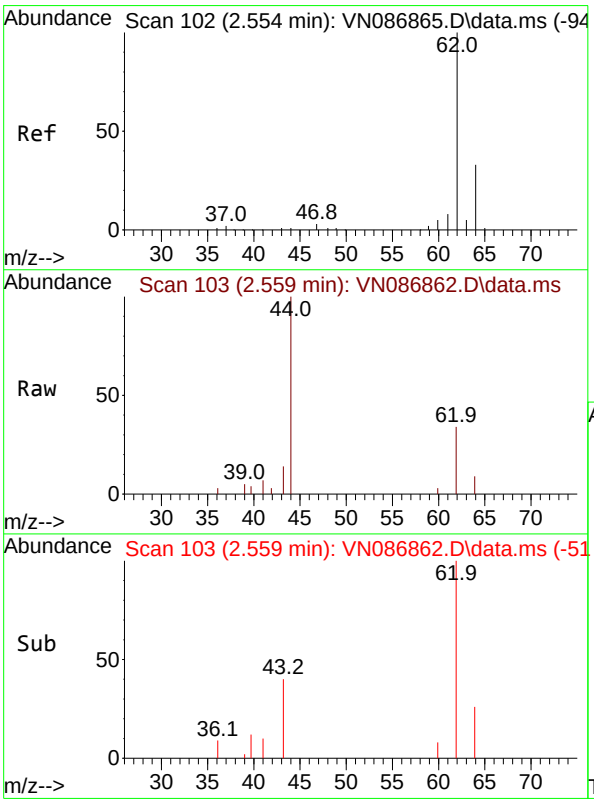
Ion	Ratio	Lower	Upper
50	100		
52	30.7	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

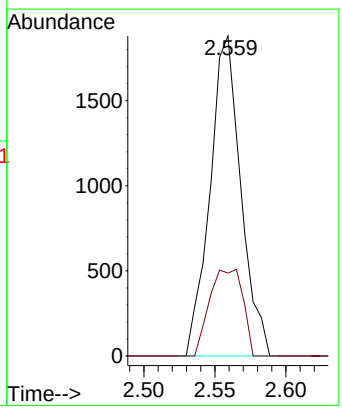
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

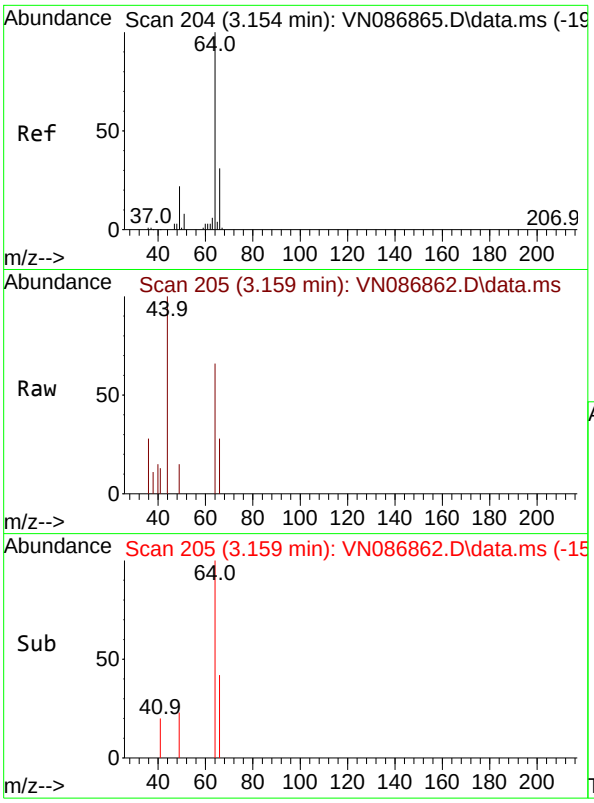


#4
Vinyl Chloride
Concen: 1.008 ug/l
RT: 2.559 min Scan# 103
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 62 Resp: 2848

Ion	Ratio	Lower	Upper
62	100		
64	25.9	26.0	39.0#

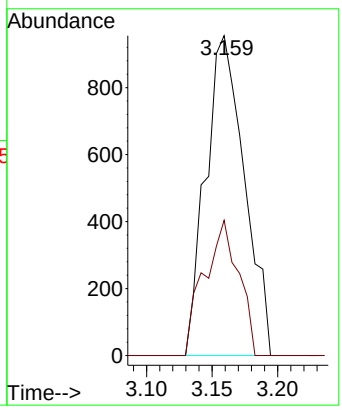




#6
Chloroethane
Concen: 1.073 ug/l
RT: 3.159 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 64 Resp: 195

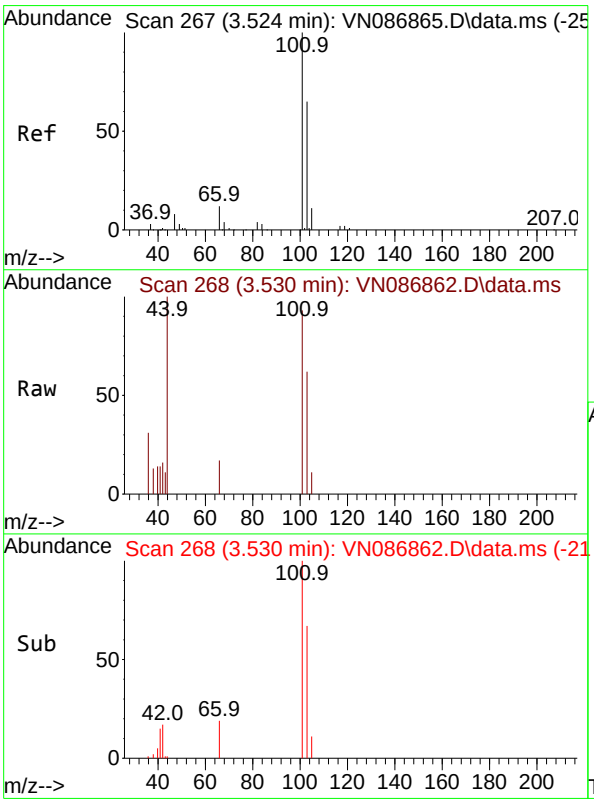
Ion	Ratio	Lower	Upper
64	100		
66	42.3	24.6	36.8#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

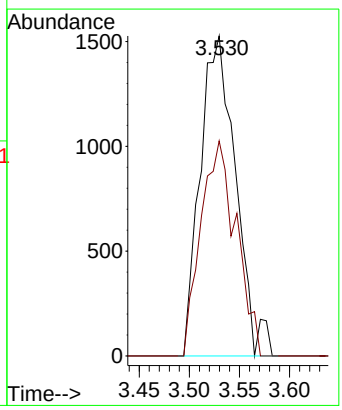
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

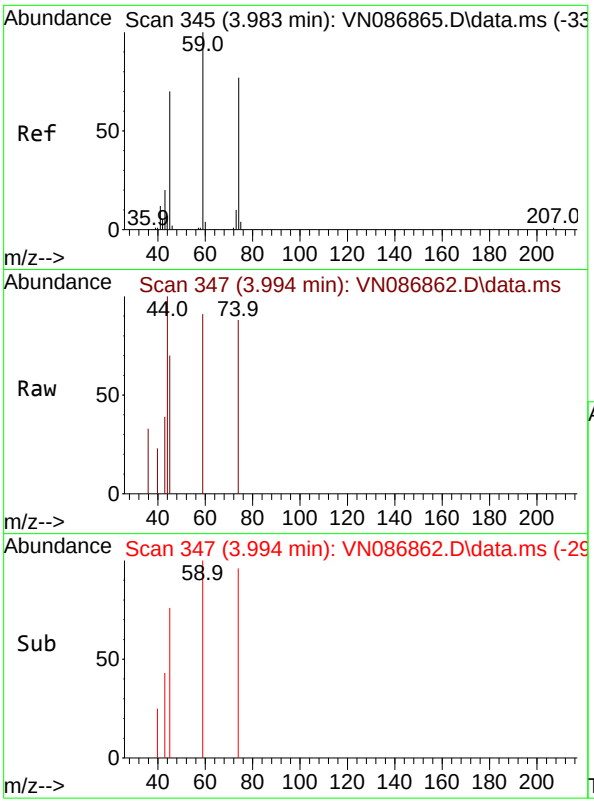


#7
Trichlorofluoromethane
Concen: 1.017 ug/l
RT: 3.530 min Scan# 268
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:101 Resp: 3752

Ion	Ratio	Lower	Upper
101	100		
103	67.2	52.2	78.2





#8
Diethyl Ether
Concen: 0.984 ug/l
RT: 3.994 min Scan# 34
Delta R.T. 0.011 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

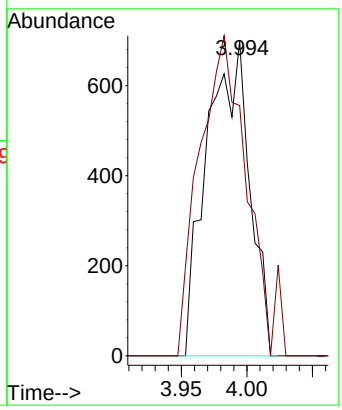
Tgt Ion: 74 Resp: 158

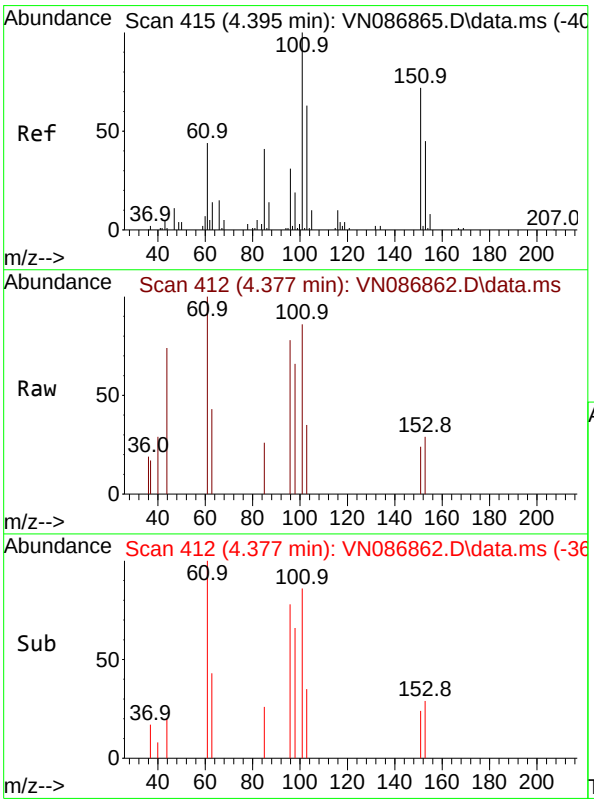
Ion	Ratio	Lower	Upper
74	100		
45	113.8	45.5	136.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

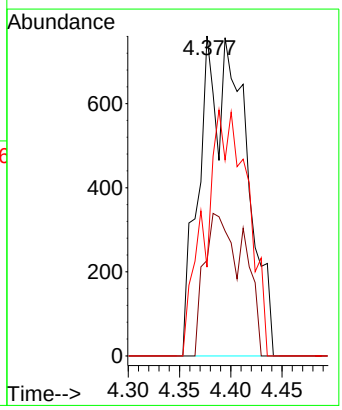


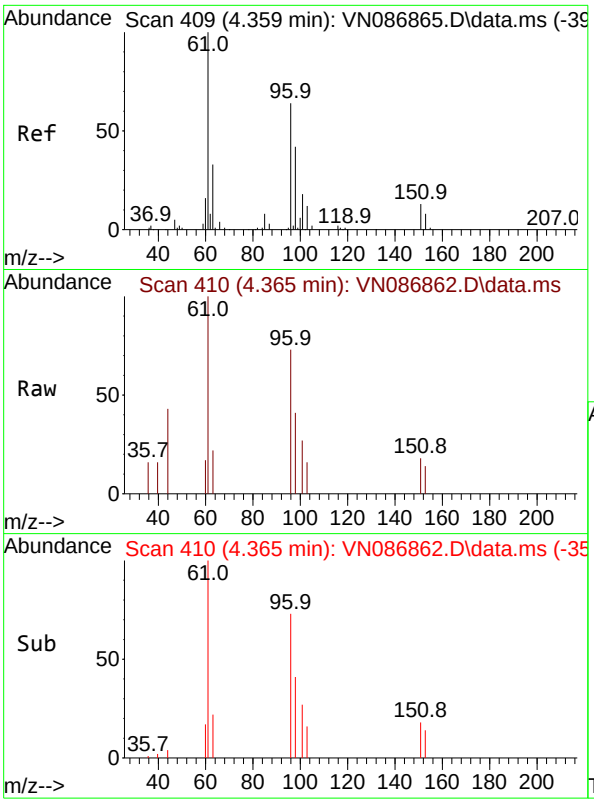


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.017 ug/l m
RT: 4.377 min Scan# 412
Delta R.T. -0.018 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:101 Resp: 2358

Ion	Ratio	Lower	Upper
101	100		
85	27.8	33.8	50.8#
151	72.1	58.7	88.1

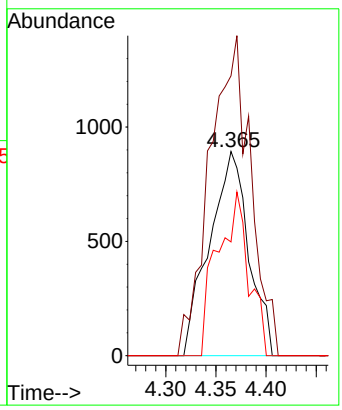




#12
1,1-Dichloroethene
Concen: 1.029 ug/l
RT: 4.365 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 96 Resp: 243

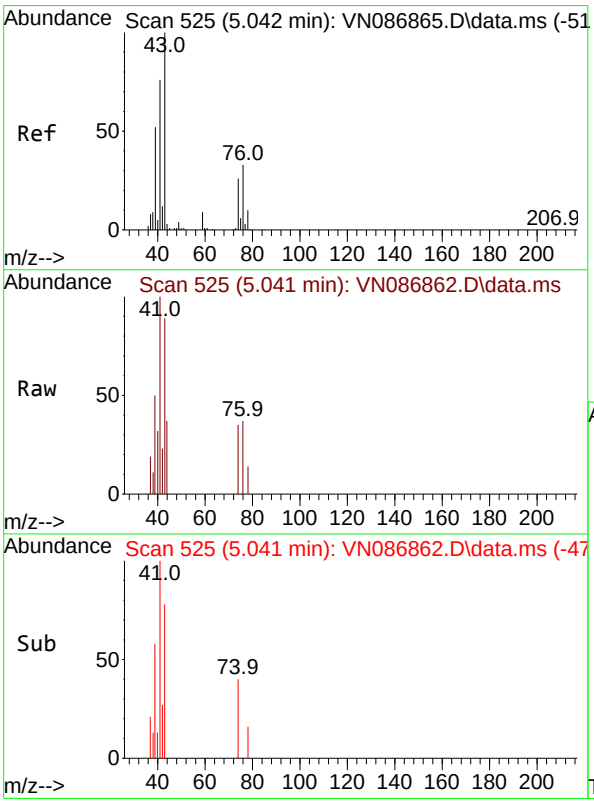
Ion	Ratio	Lower	Upper
96	100		
61	137.1	125.8	188.6
98	55.8	52.5	78.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

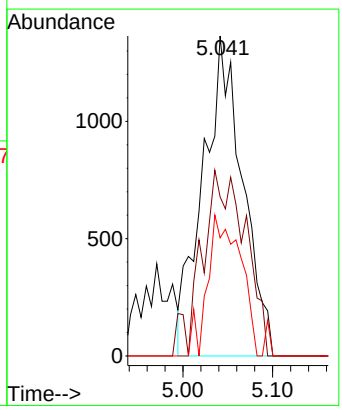
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

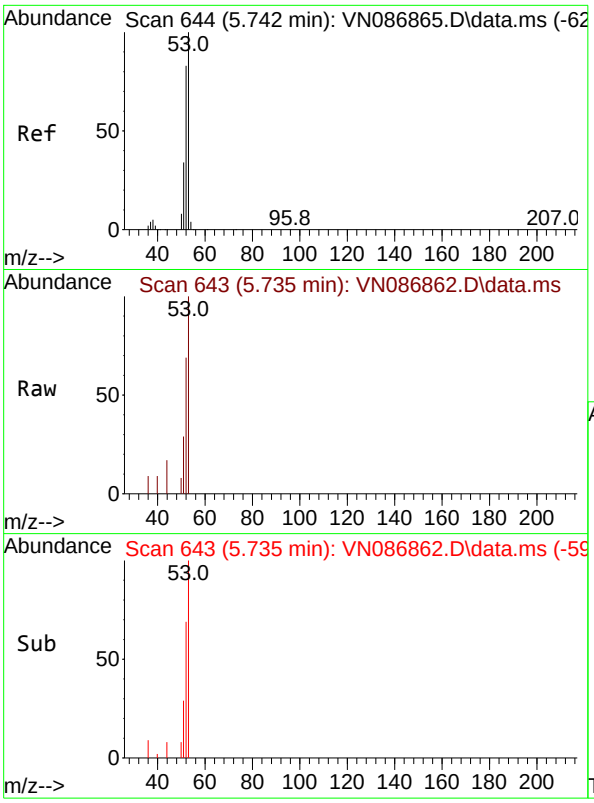


#14
Allyl chloride
Concen: 1.067 ug/l
RT: 5.041 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 41 Resp: 4189

Ion	Ratio	Lower	Upper
41	100		
39	35.3	51.3	76.9#
76	36.4	31.4	47.0





#15
Acrylonitrile
Concen: 5.106 ug/l
RT: 5.735 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

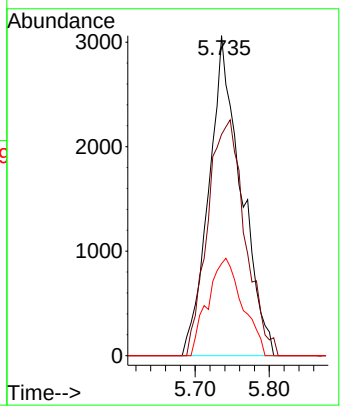
Tgt Ion: 53 Resp: 922

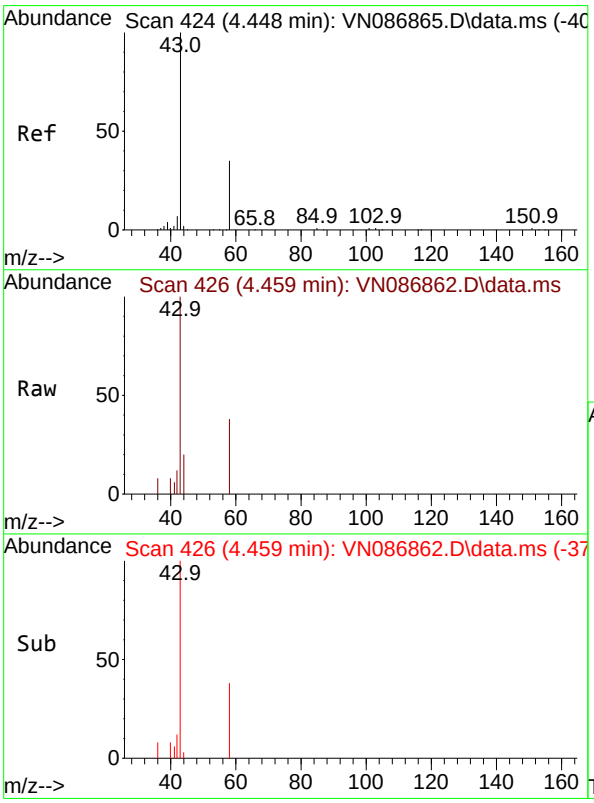
Ion	Ratio	Lower	Upper
53	100		
52	85.4	65.0	97.6
51	32.7	27.2	40.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

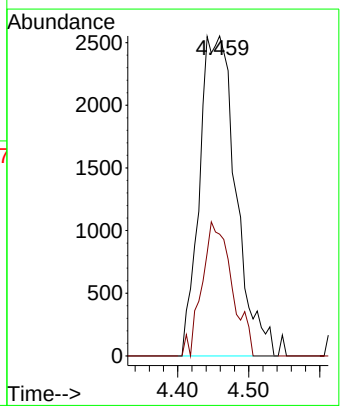


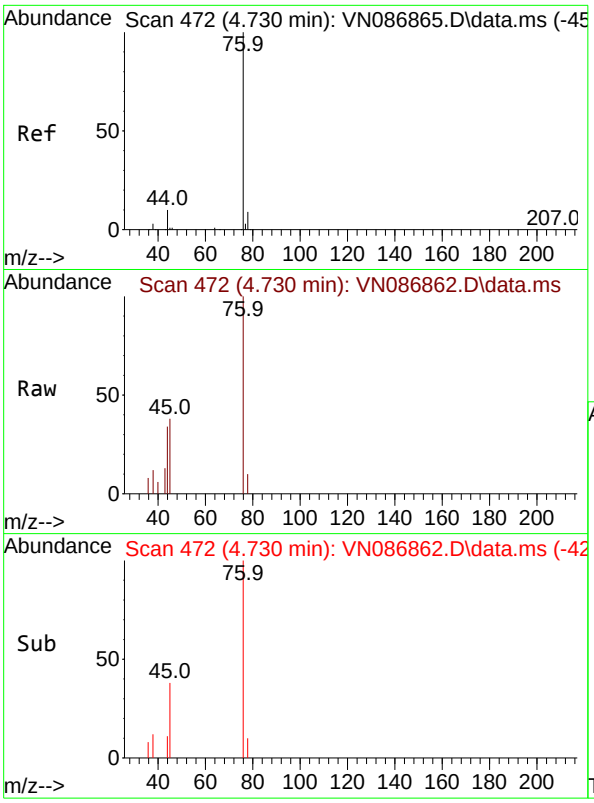


#16
Acetone
Concen: 6.006 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.011 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 43 Resp: 9069

Ion	Ratio	Lower	Upper
43	100		
58	38.0	28.0	42.0





#17
Carbon Disulfide
Concen: 1.116 ug/l
RT: 4.730 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

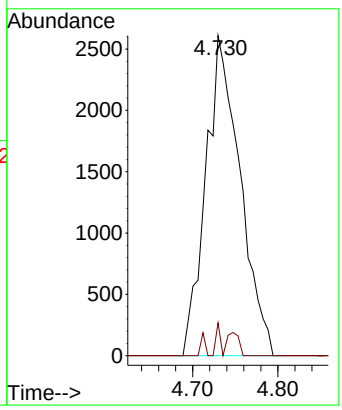
Tgt Ion: 76 Resp: 730

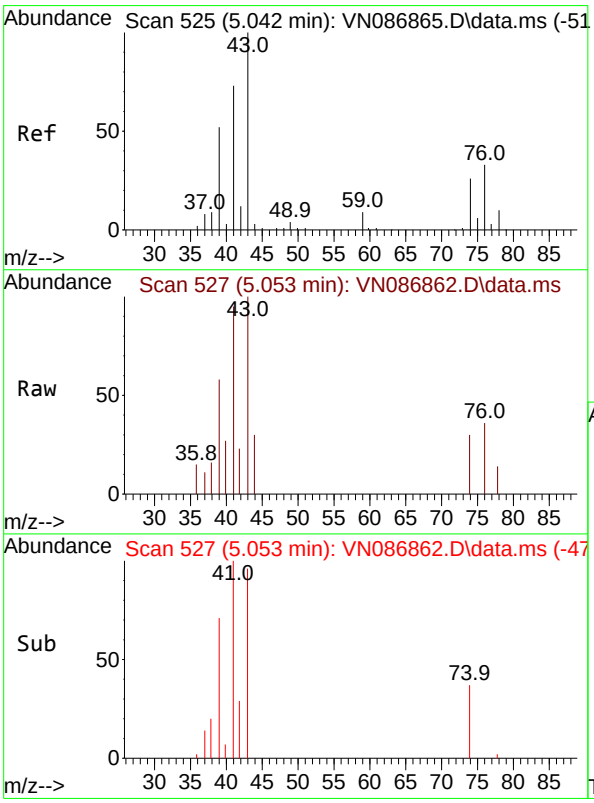
Ion	Ratio	Lower	Upper
76	100		
78	10.3	7.3	10.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

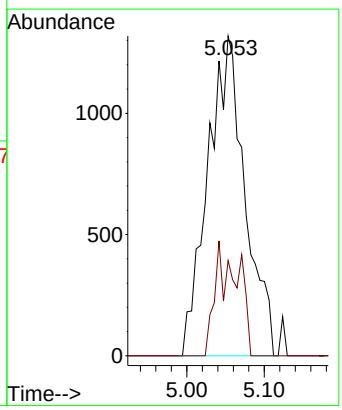


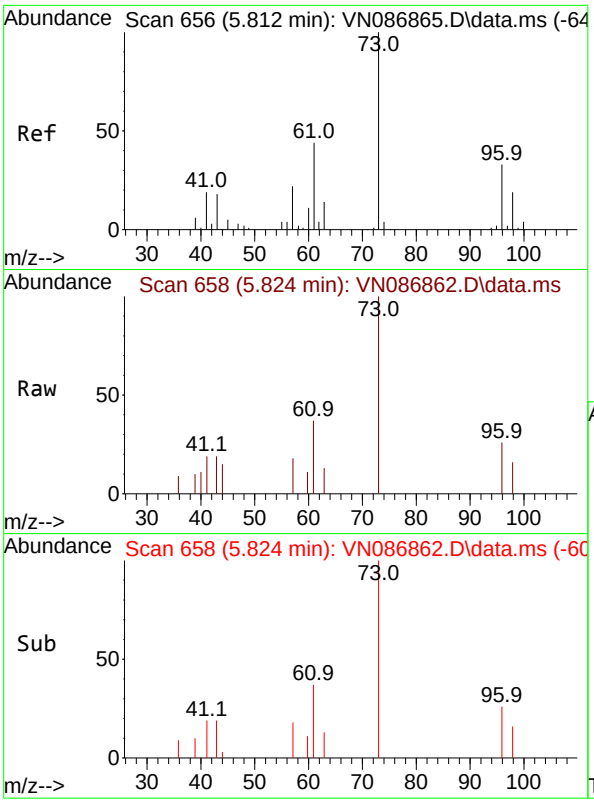


#18
Methyl Acetate
Concen: 1.000 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.011 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 43 Resp: 4402

Ion	Ratio	Lower	Upper
43	100		
74	8.7	20.7	31.1#

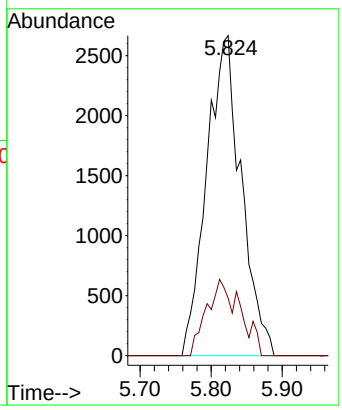




#19
Methyl tert-butyl Ether
Concen: 1.052 ug/l
RT: 5.824 min Scan# 6
Delta R.T. 0.011 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 73 Resp: 901

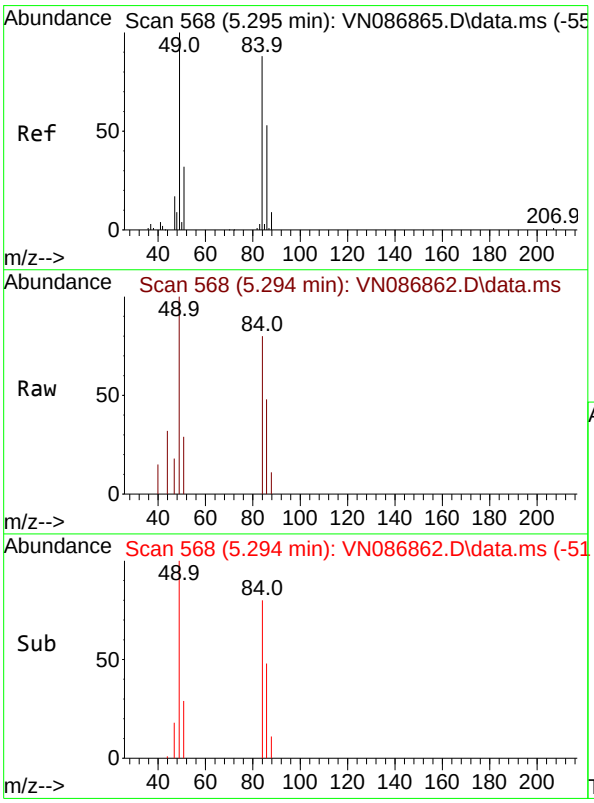
Ion	Ratio	Lower	Upper
73	100		
57	18.0	17.4	26.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

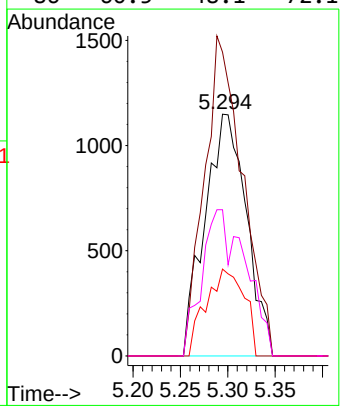
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

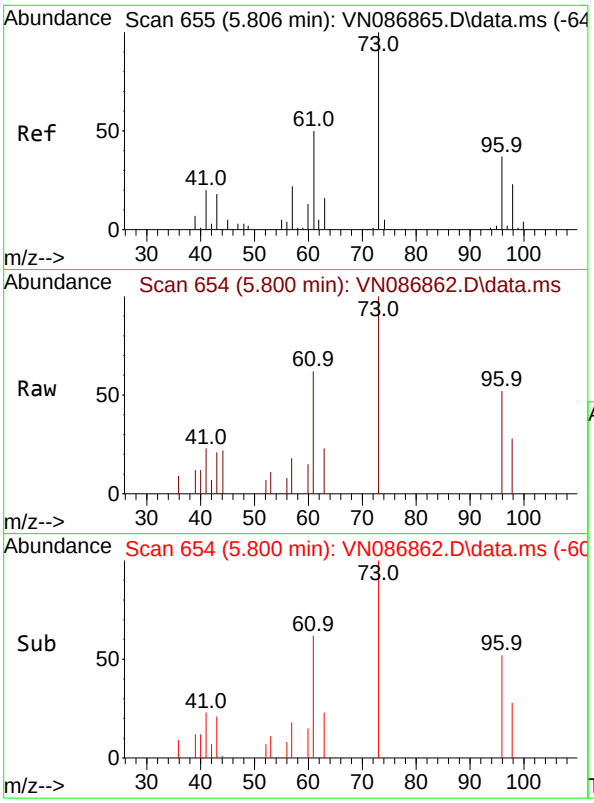


#20
Methylene Chloride
Concen: 1.237 ug/l
RT: 5.294 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 84 Resp: 3496

Ion	Ratio	Lower	Upper
84	100		
49	125.7	90.5	135.7
51	35.9	28.5	42.7
86	60.5	48.1	72.1

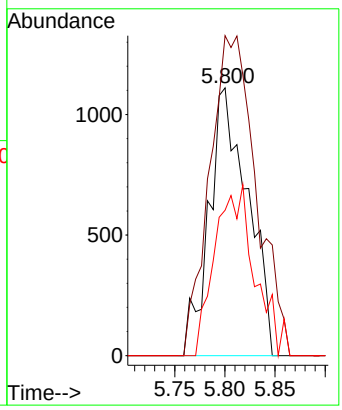




#21
trans-1,2-Dichloroethene
Concen: 1.131 ug/l
RT: 5.800 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 96 Resp: 297

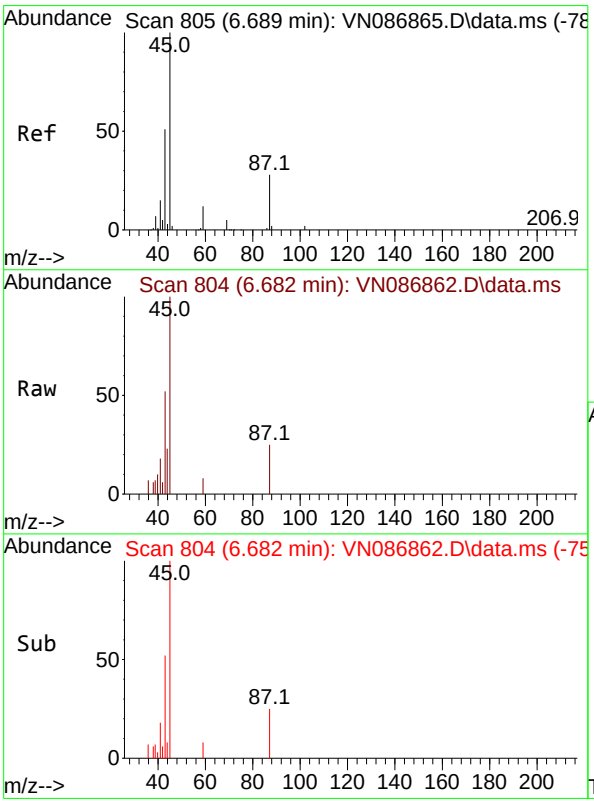
Ion	Ratio	Lower	Upper
96	100		
61	119.4	109.2	163.8
98	54.3	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

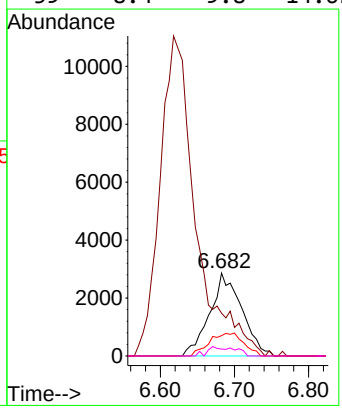
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

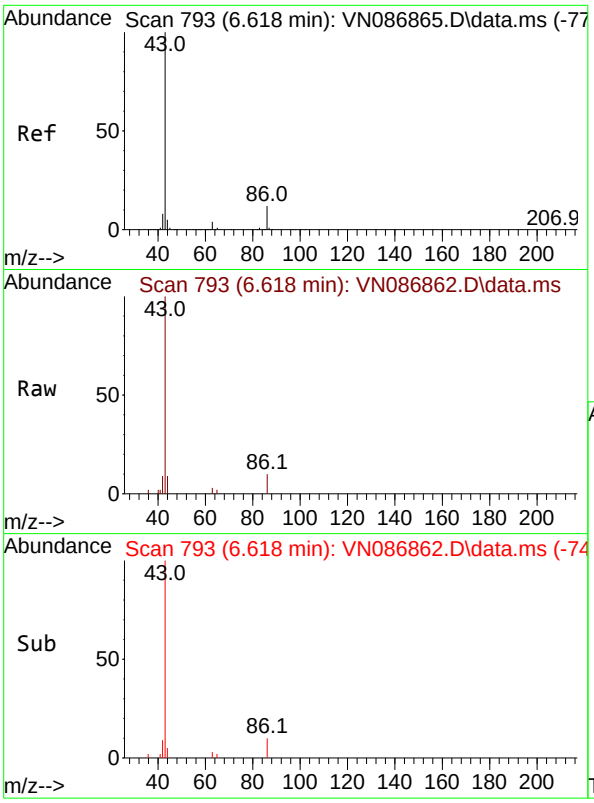


#22
Diisopropyl ether
Concen: 1.037 ug/l
RT: 6.682 min Scan# 804
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 45 Resp: 8584

Ion	Ratio	Lower	Upper
45	100		
43	51.5	41.9	62.9
87	24.5	22.4	33.6
59	8.4	9.8	14.6#





#23
Vinyl Acetate
Concen: 5.303 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

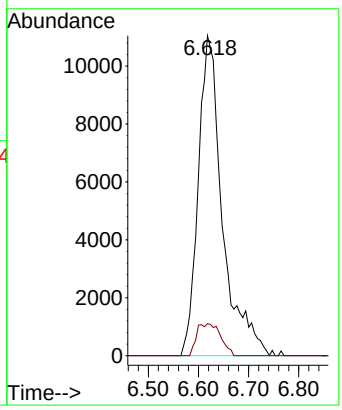
Tgt Ion: 43 Resp: 3707

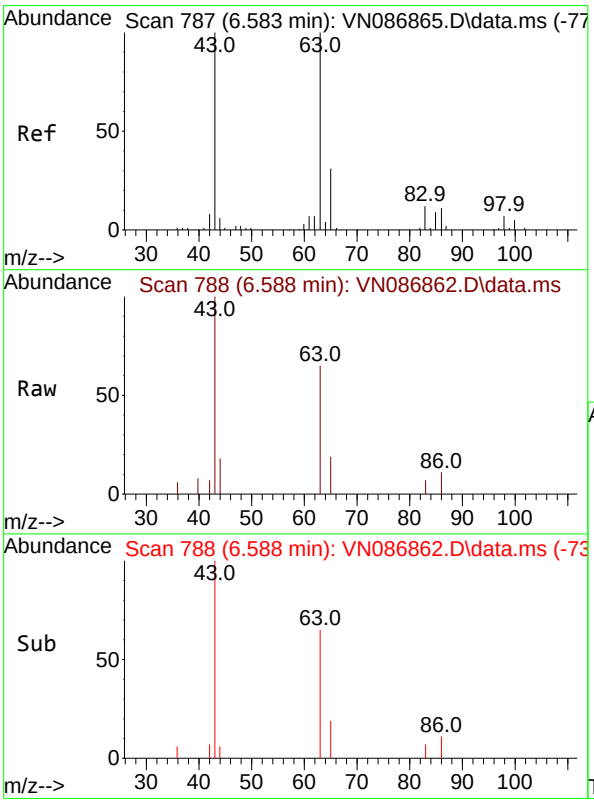
Ion	Ratio	Lower	Upper
43	100		
86	10.0	9.5	14.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

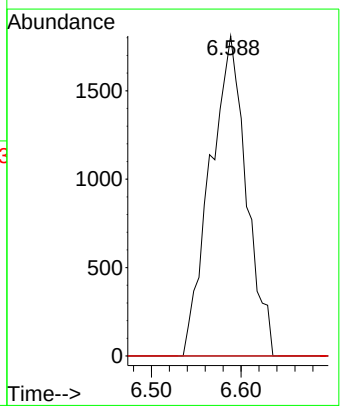


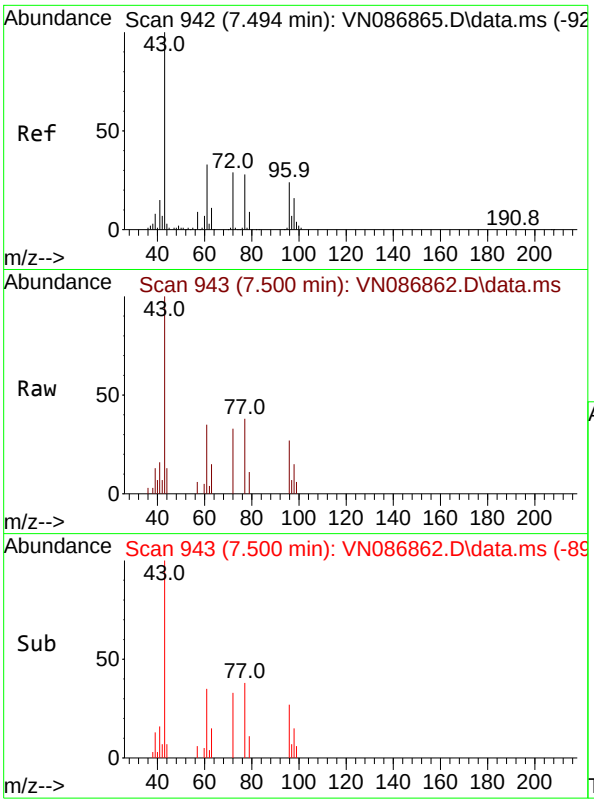


#24
1,1-Dichloroethane
Concen: 1.065 ug/l
RT: 6.588 min Scan# 788
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 63 Resp: 5071

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.6	10.8#
100	0.0	2.6	7.8#





#25
2-Butanone
Concen: 5.231 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

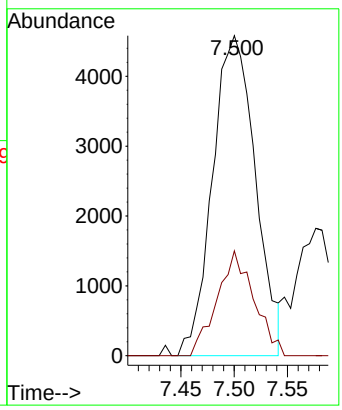
Tgt Ion: 43 Resp: 1284

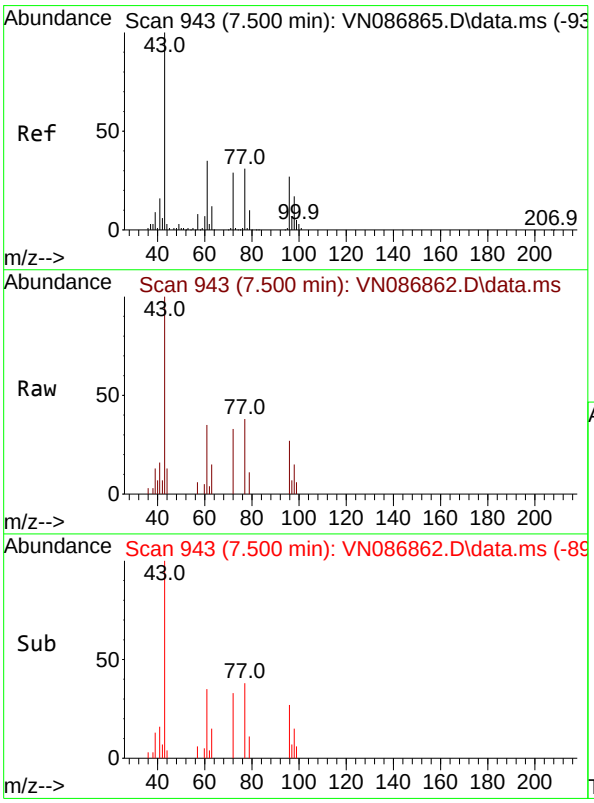
Ion	Ratio	Lower	Upper
43	100		
72	32.7	23.0	34.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

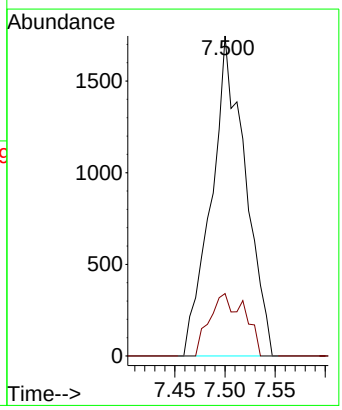


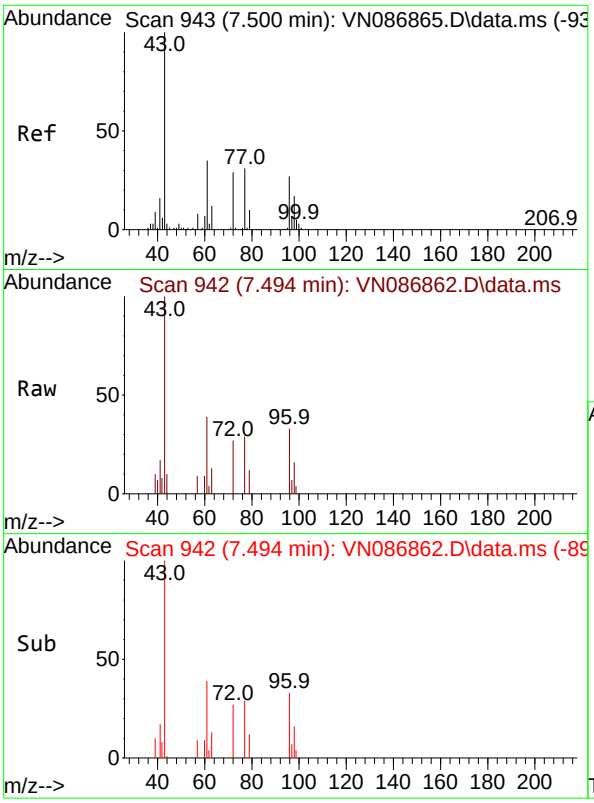


#26
2,2-Dichloropropane
Concen: 1.110 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 77 Resp: 4112

Ion	Ratio	Lower	Upper
77	100		
97	20.1	11.6	34.7





#27
cis-1,2-Dichloroethene
Concen: 1.062 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

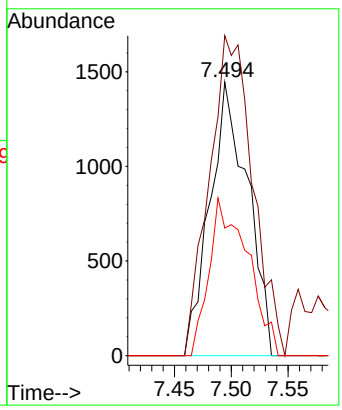
Tgt Ion: 96 Resp: 334

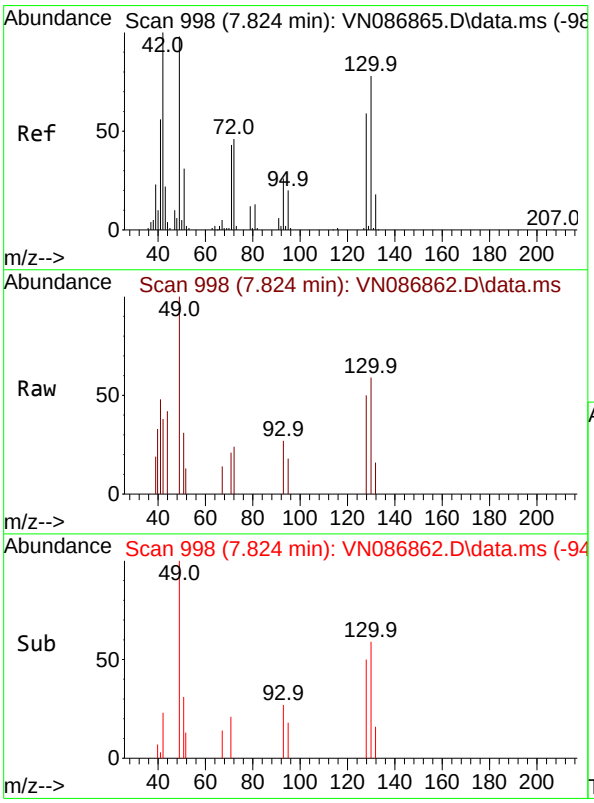
Ion	Ratio	Lower	Upper
96	100		
61	134.6	0.0	278.0
98	58.7	0.0	128.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

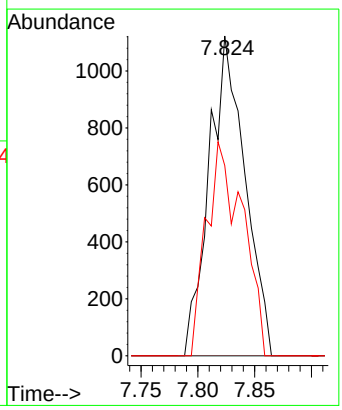


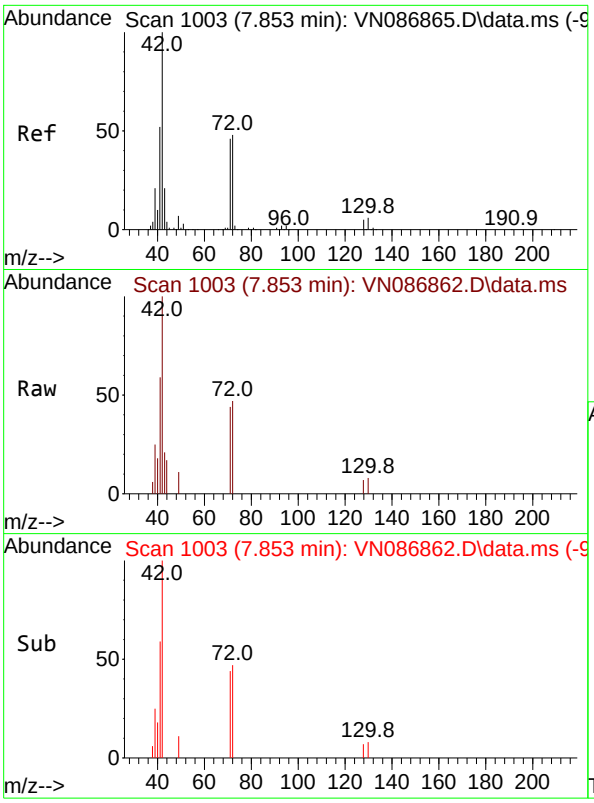


#28
Bromochloromethane
Concen: 1.052 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 49 Resp: 2464

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	67.5	62.2	93.2

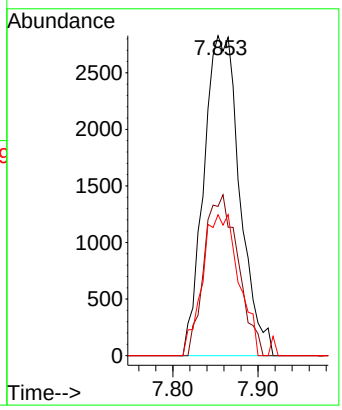




#29
Tetrahydrofuran
Concen: 5.191 ug/l
RT: 7.853 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 42 Resp: 830

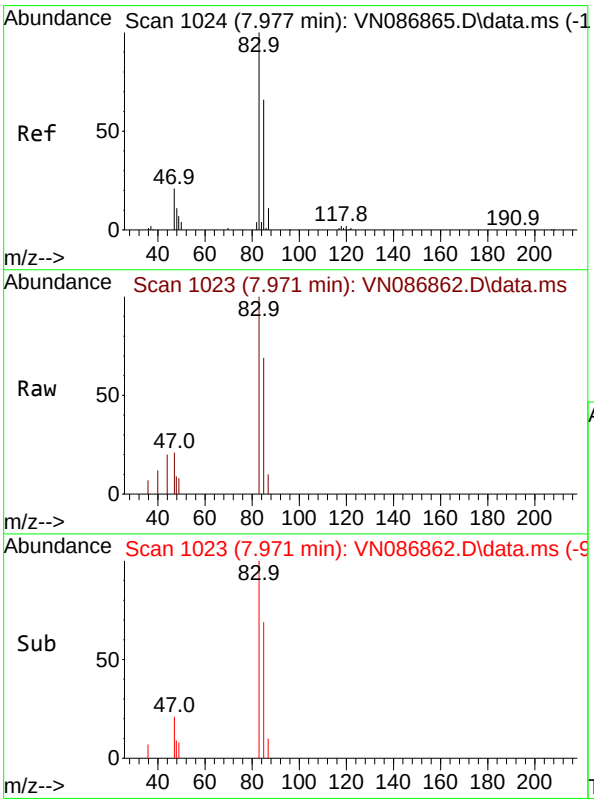
Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.8	56.6
71	44.4	35.6	53.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

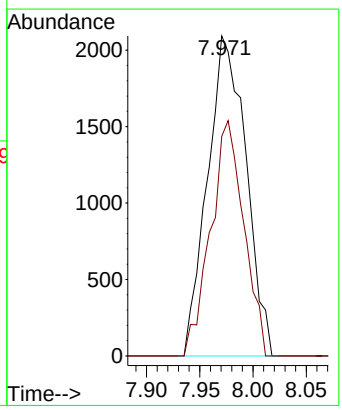
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

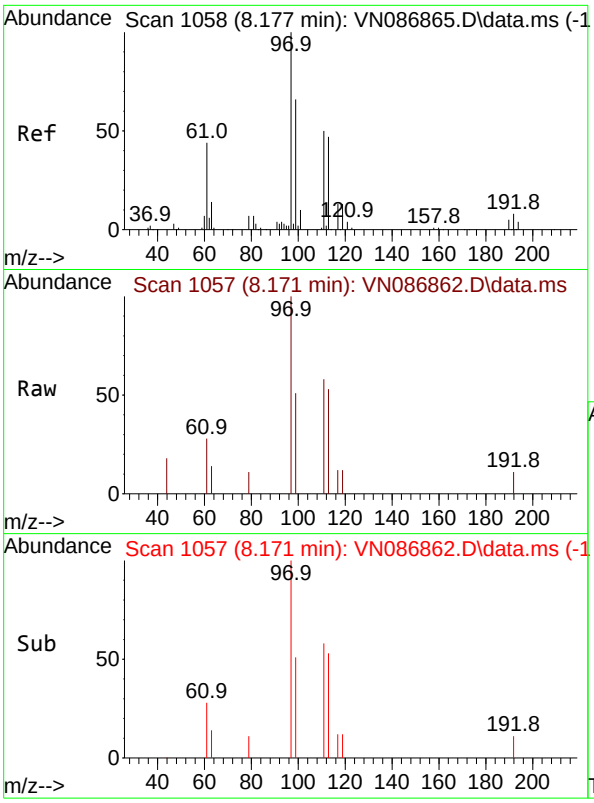


#30
Chloroform
Concen: 1.105 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 83 Resp: 5255

Ion	Ratio	Lower	Upper
83	100		
85	68.6	52.9	79.3

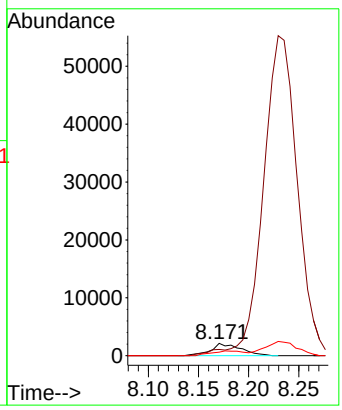




#32
1,1,1-Trichloroethane
Concen: 1.082 ug/l
RT: 8.171 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 97 Resp: 437

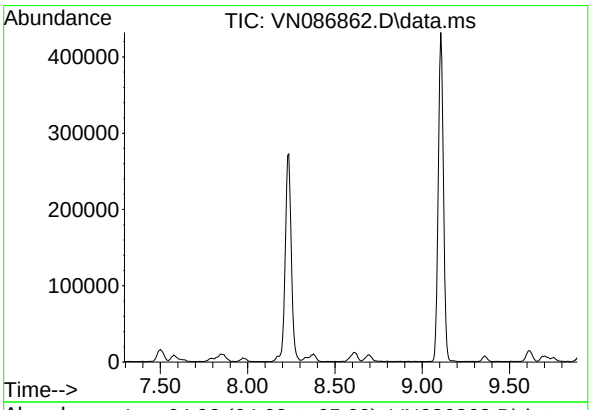
Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.0	78.0#
61	42.5	35.9	53.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

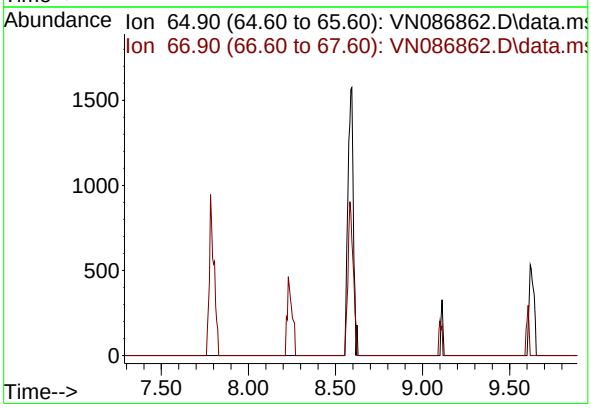


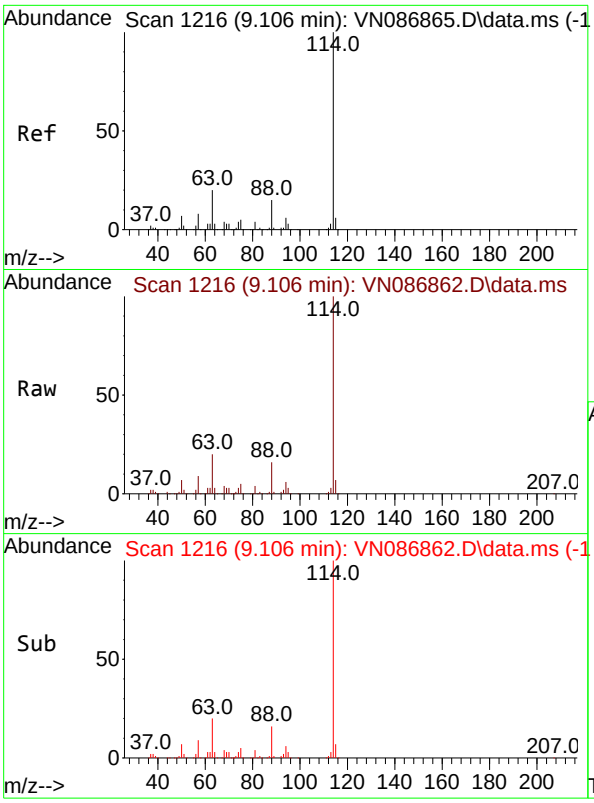
#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.59 min

Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	52.8





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

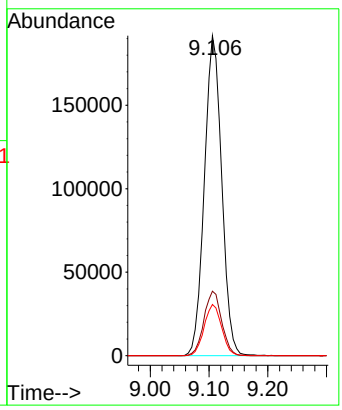
Tgt Ion:114 Resp: 39345

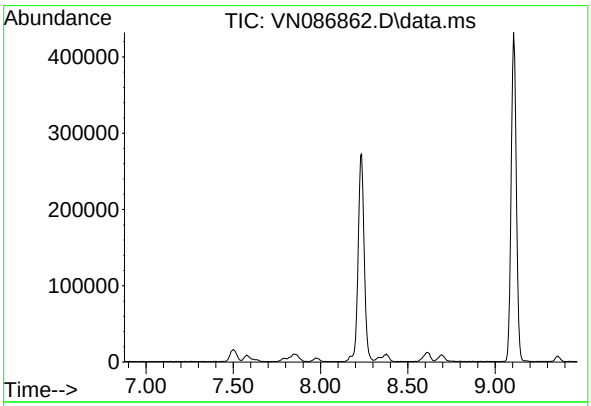
Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.6
88	16.0	0.0	30.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



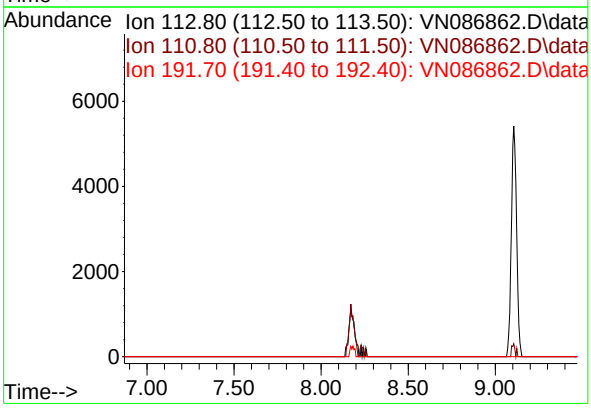


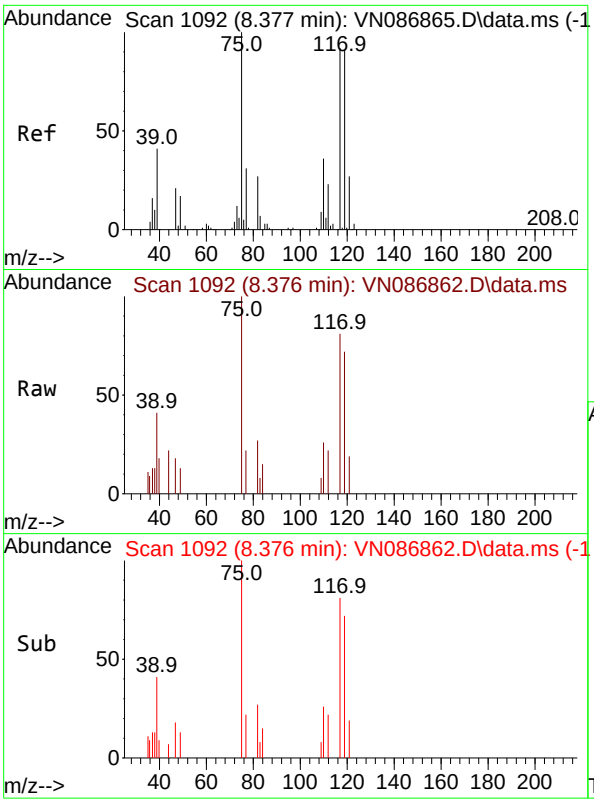
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 8.17 min

Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	105.2
192	17.8

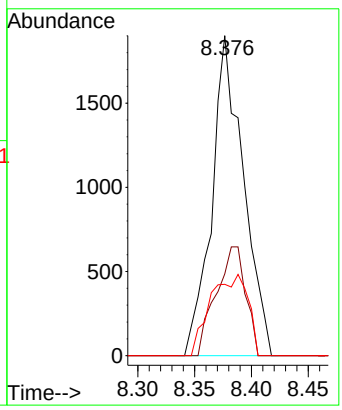




#36
1,1-Dichloropropene
Concen: 1.059 ug/l
RT: 8.376 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 75 Resp: 367

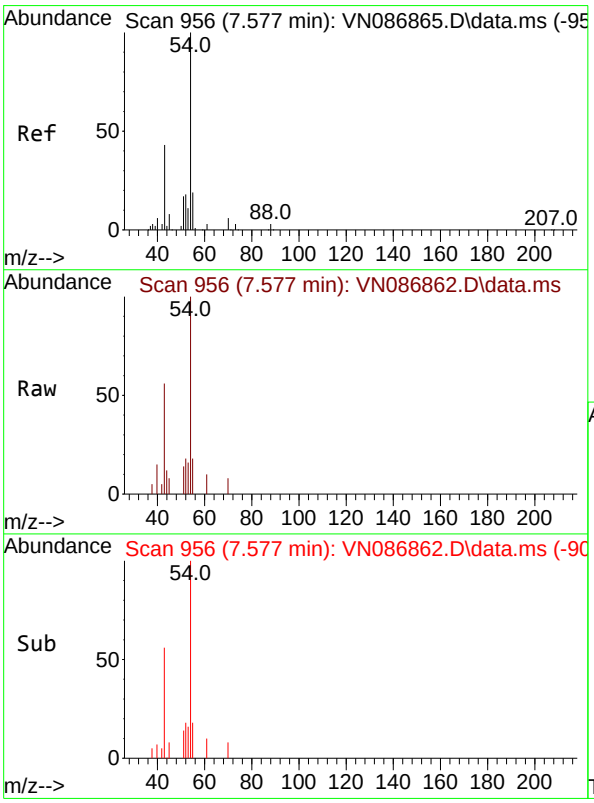
Ion	Ratio	Lower	Upper
75	100		
110	31.8	17.6	52.9
77	30.2	25.3	37.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

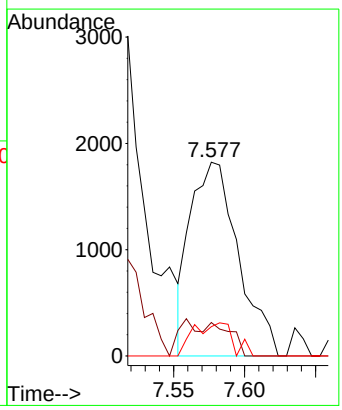
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

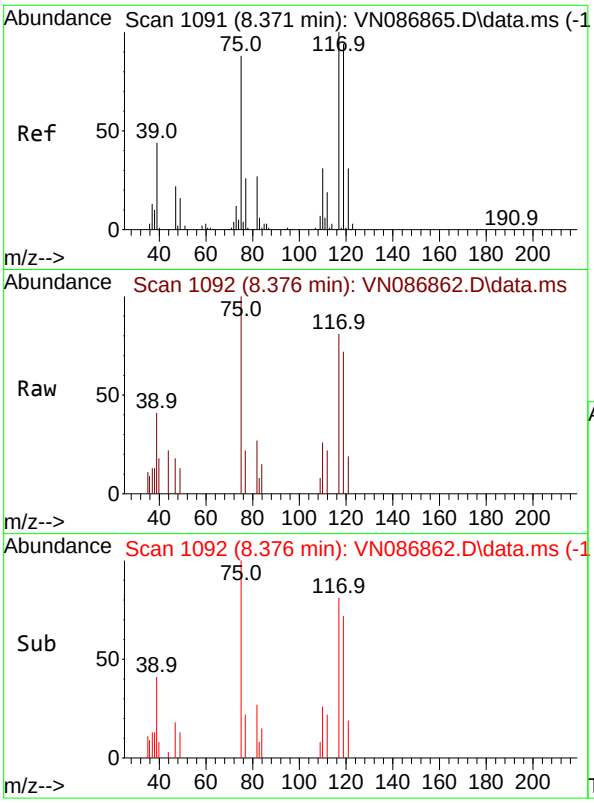


#37
Ethyl Acetate
Concen: 0.968 ug/l
RT: 7.577 min Scan# 956
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 43 Resp: 4282

Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.1	18.1#
70	14.1	9.8	14.6

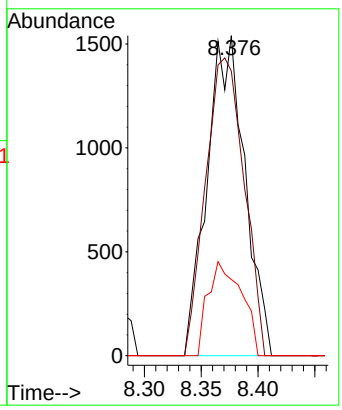




#38
Carbon Tetrachloride
Concen: 1.045 ug/l
RT: 8.376 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:117 Resp: 356

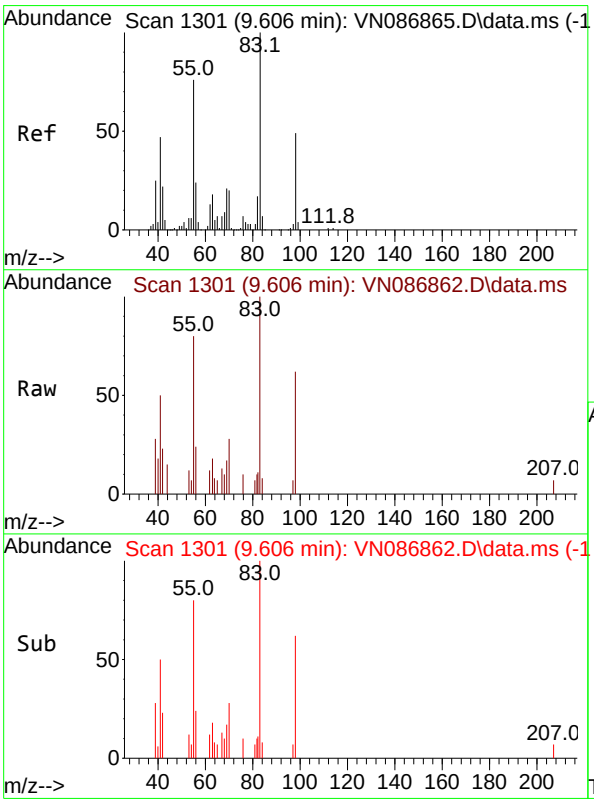
Ion	Ratio	Lower	Upper
117	100		
119	89.0	75.0	112.6
121	23.8	24.9	37.3#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

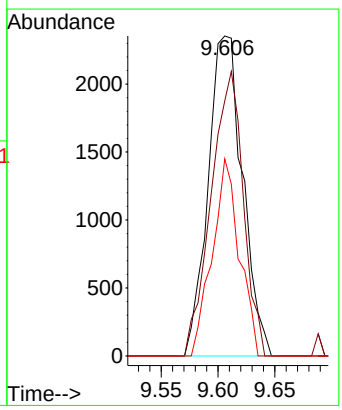
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

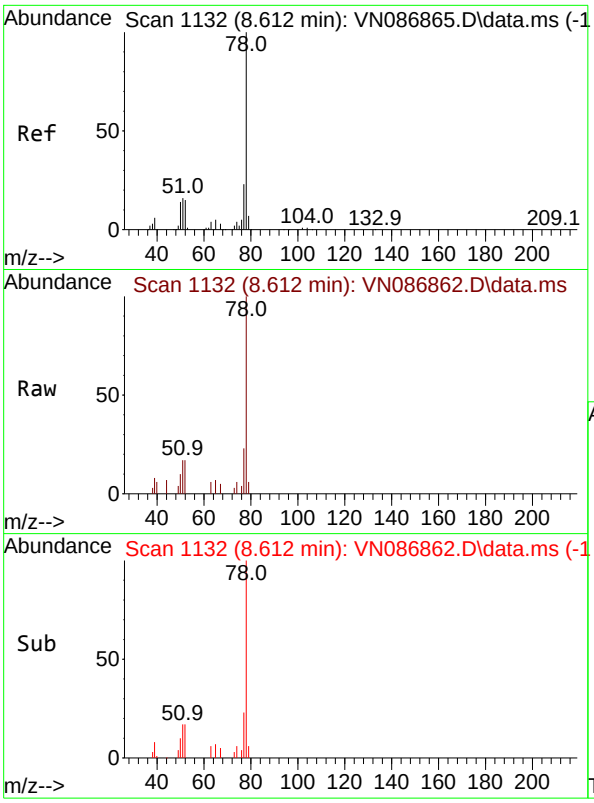


#39
Methylcyclohexane
Concen: 1.046 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 83 Resp: 4981

Ion	Ratio	Lower	Upper
83	100		
55	79.7	61.0	91.6
98	61.6	38.9	58.3#

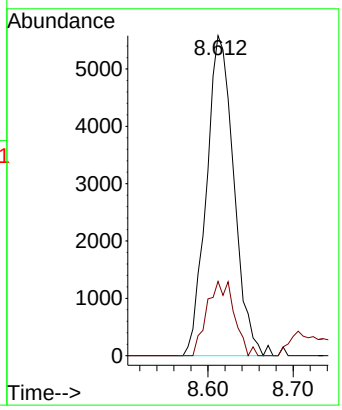




#40
Benzene
Concen: 1.100 ug/l
RT: 8.612 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 78 Resp: 1249

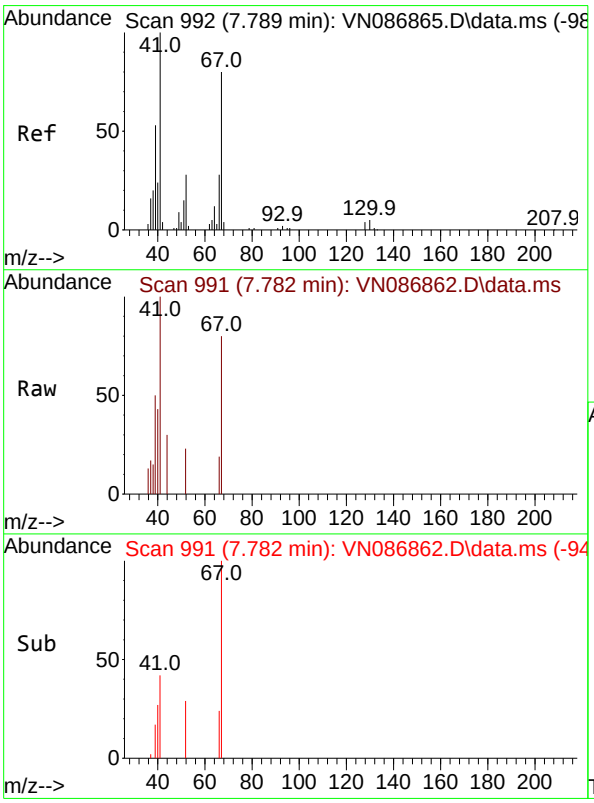
Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.7	28.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

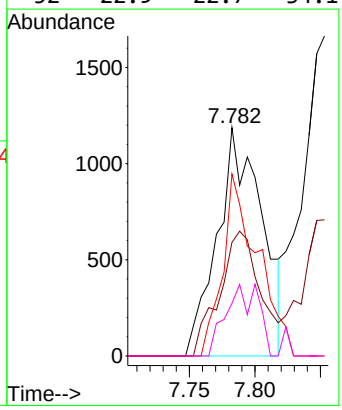
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

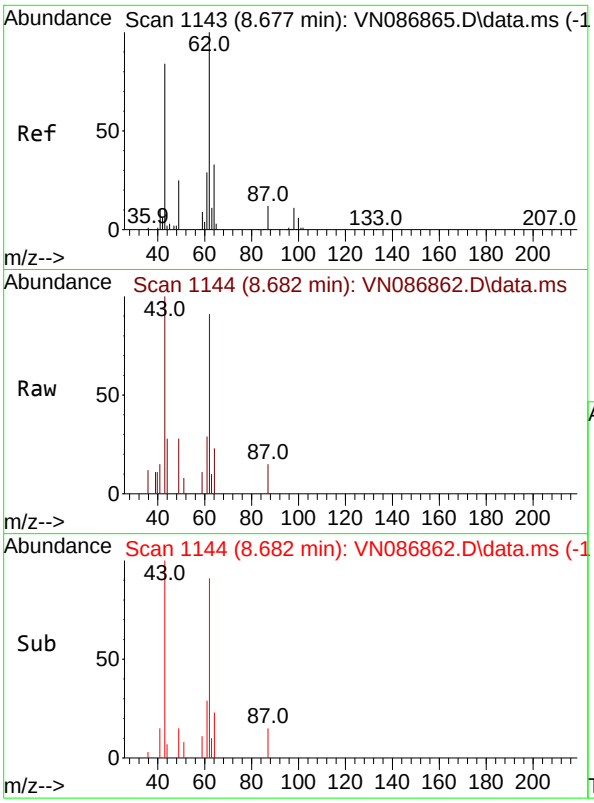


#41
Methacrylonitrile
Concen: 1.127 ug/l
RT: 7.782 min Scan# 991
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 41 Resp: 2799

Ion	Ratio	Lower	Upper
41	100		
39	50.3	41.2	61.8
67	62.4	61.4	92.2
52	22.9	22.7	34.1





#42
1,2-Dichloroethane
Concen: 1.081 ug/l
RT: 8.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

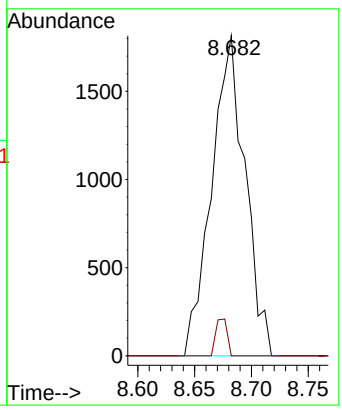
Tgt Ion: 62 Resp: 372

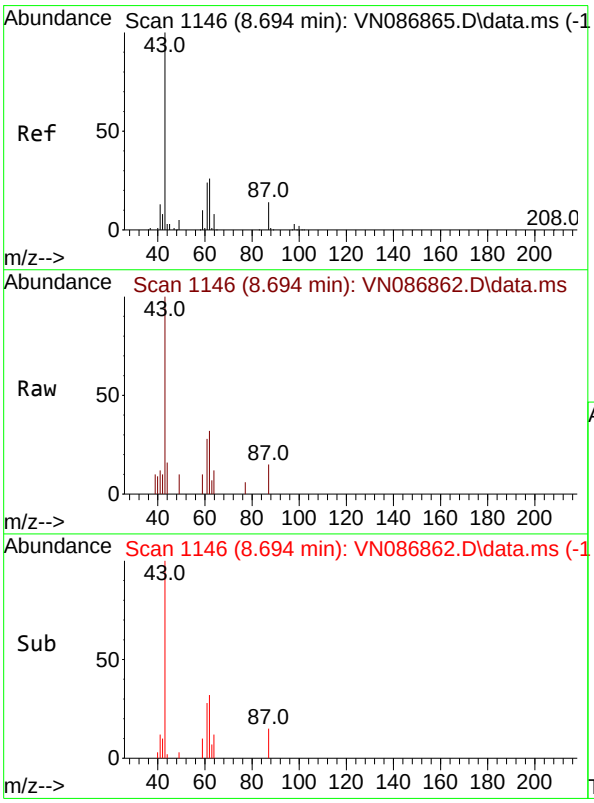
Ion	Ratio	Lower	Upper
62	100		
98	3.9	0.0	21.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

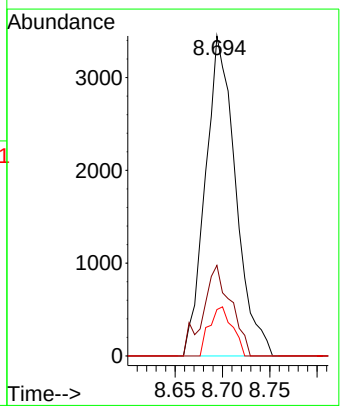


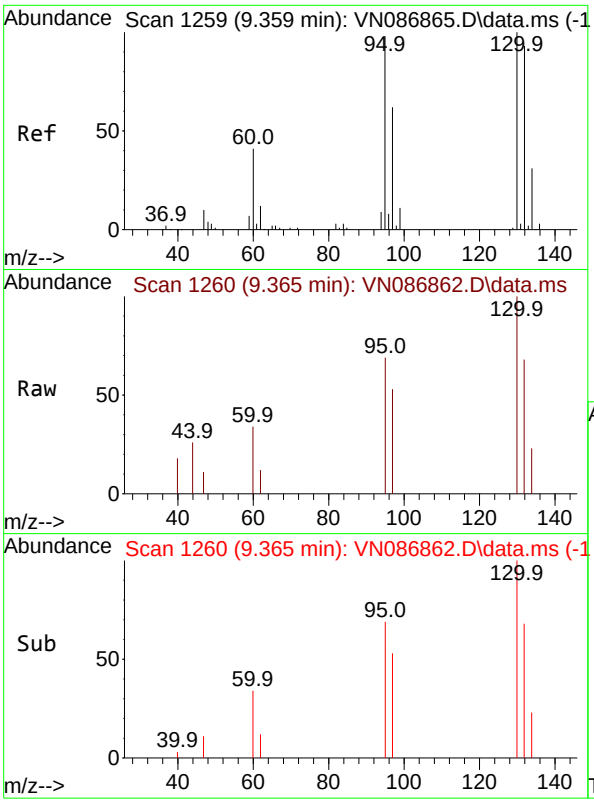


#43
Isopropyl Acetate
Concen: 1.081 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 43 Resp: 7673

Ion	Ratio	Lower	Upper
43	100		
61	26.2	22.1	33.1
87	11.7	11.8	17.6#

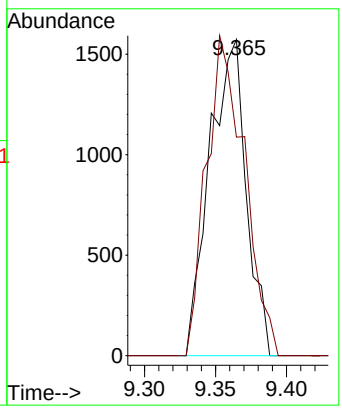




#44
Trichloroethene
Concen: 1.047 ug/l
RT: 9.365 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:130 Resp: 282

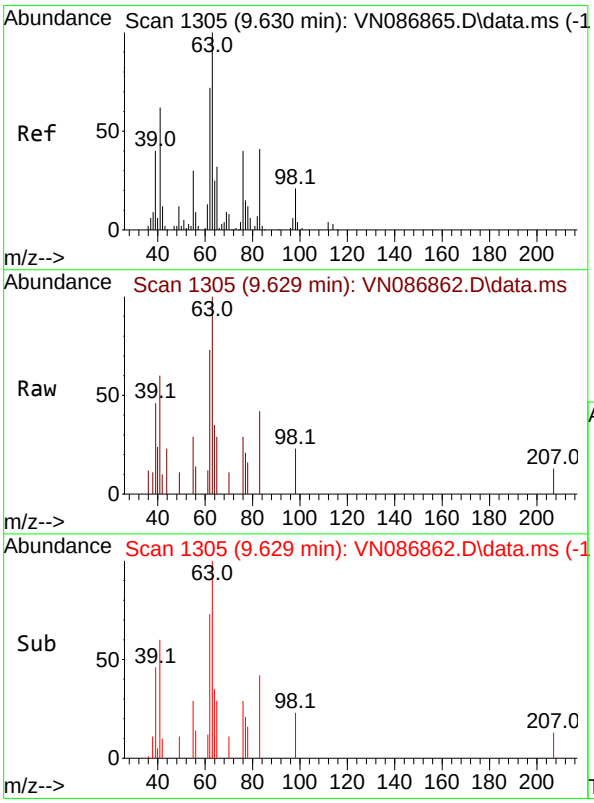
Ion	Ratio	Lower	Upper
130	100		
95	69.1	0.0	196.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

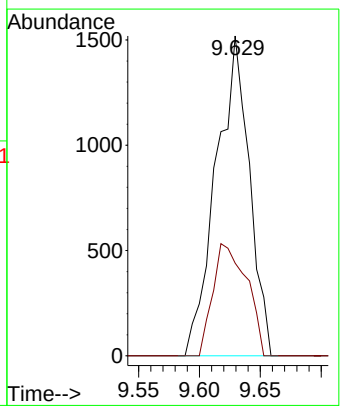
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

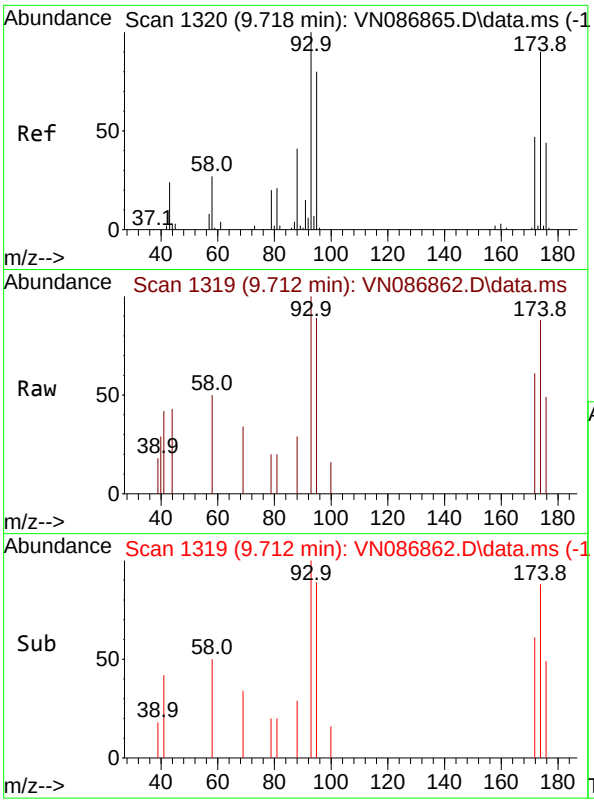


#45
1,2-Dichloropropane
Concen: 1.043 ug/l
RT: 9.629 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 63 Resp: 2883

Ion	Ratio	Lower	Upper
63	100		
65	29.0	25.5	38.3

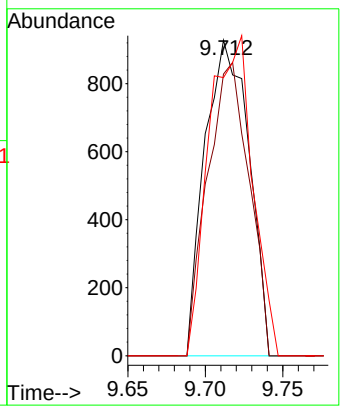




#46
Dibromomethane
Concen: 0.999 ug/l
RT: 9.712 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 93 Resp: 183

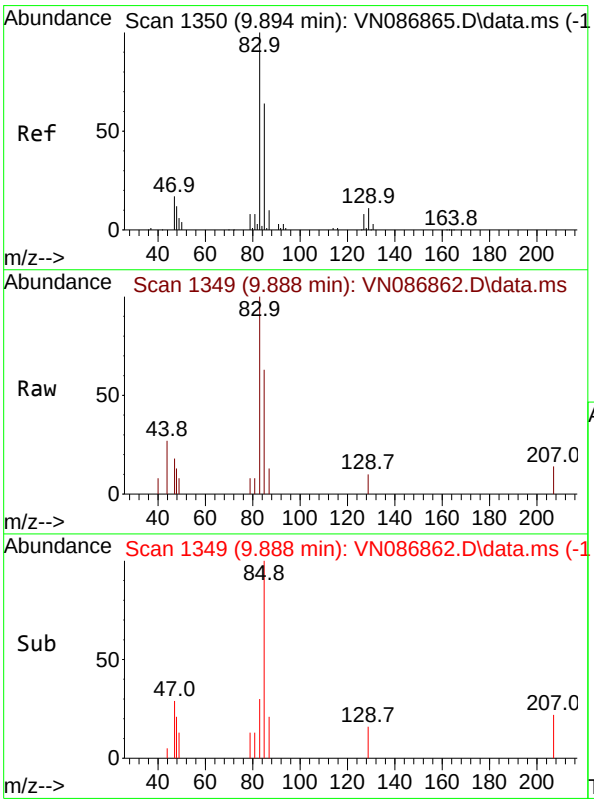
Ion	Ratio	Lower	Upper
93	100		
95	87.6	67.1	100.7
174	100.5	74.2	111.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

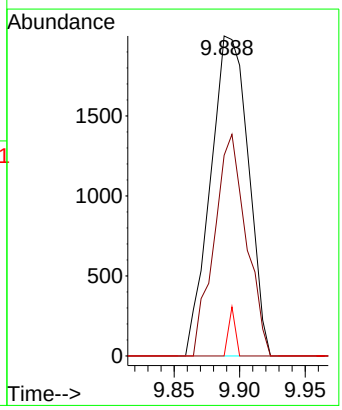
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

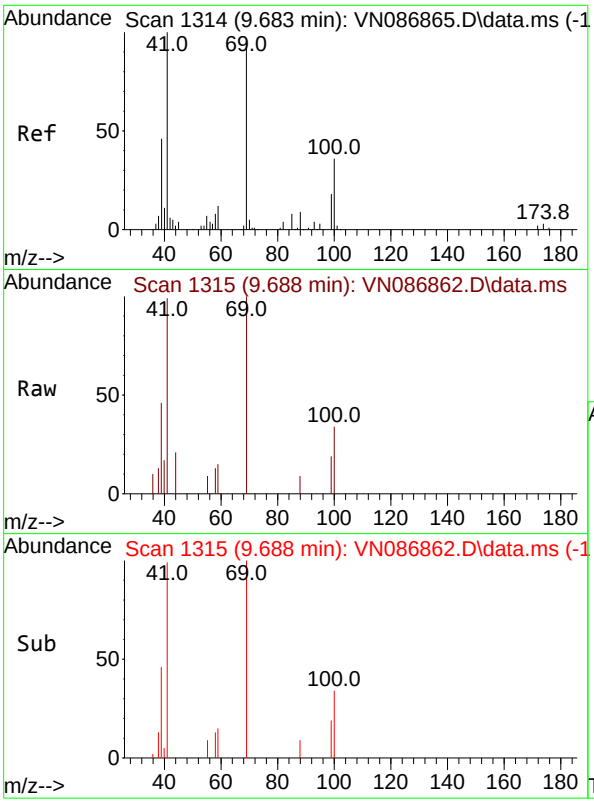


#47
Bromodichloromethane
Concen: 1.063 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 83 Resp: 4017

Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.9	76.3
127	0.0	6.6	10.0#





#48
Methyl methacrylate
Concen: 1.069 ug/l
RT: 9.688 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

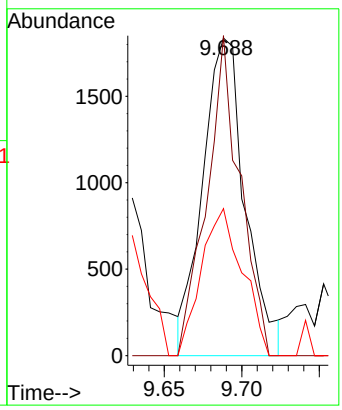
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

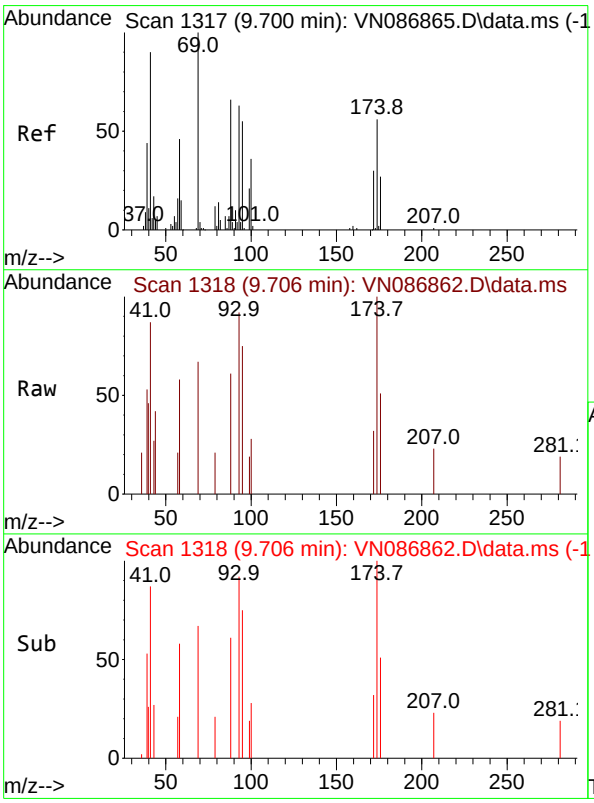
Tgt Ion: 41 Resp: 349

Ion	Ratio	Lower	Upper
41	100		
69	79.4	74.6	112.0
39	44.9	40.2	60.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

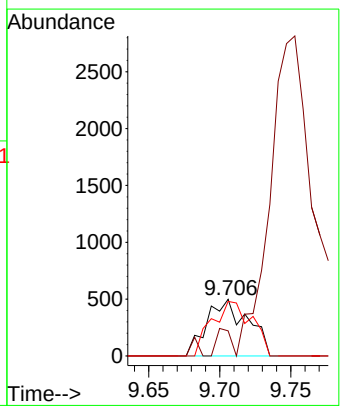


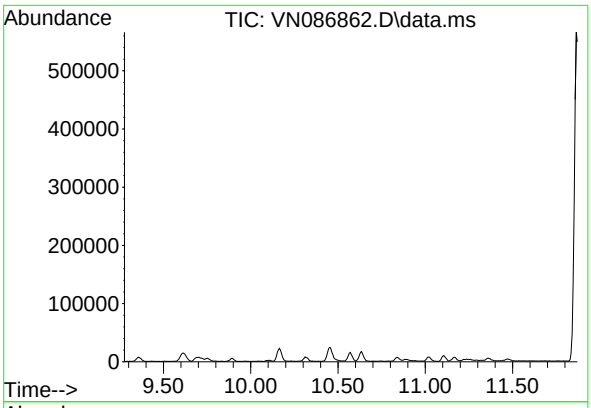


#49
1,4-Dioxane
Concen: 16.891 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 88 Resp: 1004

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	94.0	57.7	86.5#





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.57 min

Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

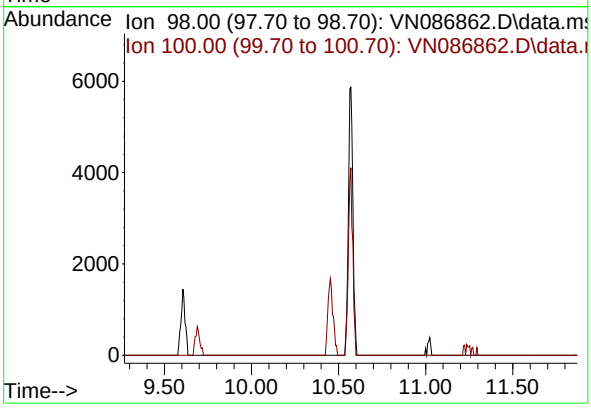
Tgt Ion: 98

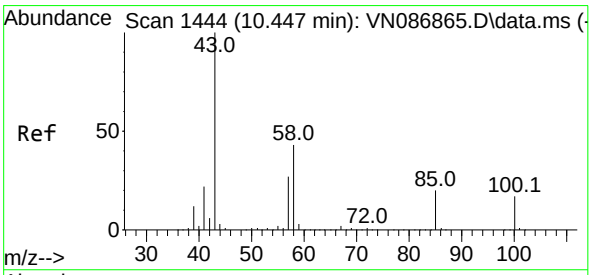
Sig	Exp Ratio
98	100
100	66.7

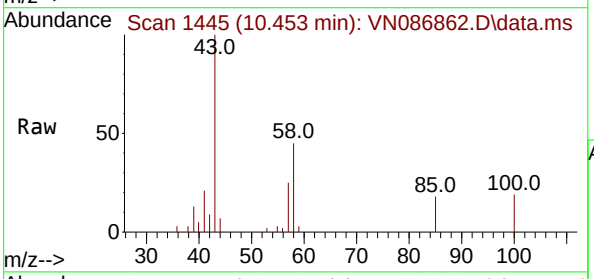
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

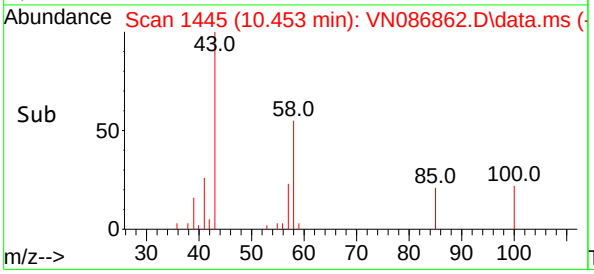
Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025





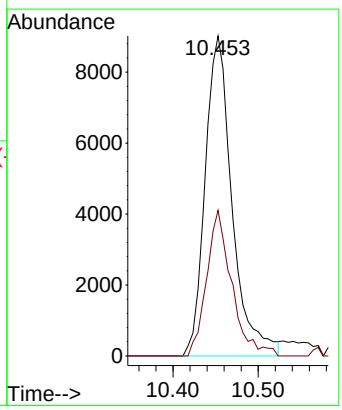


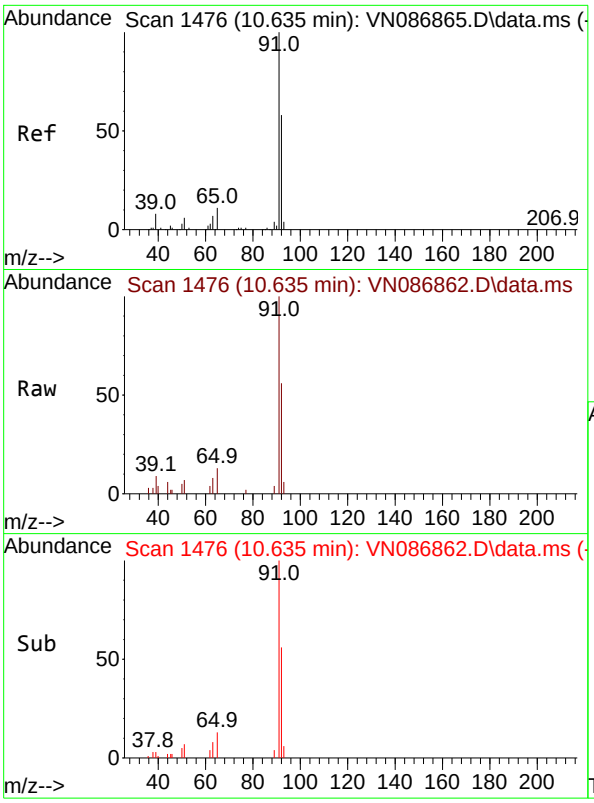


#51
4-Methyl-2-Pentanone
Concen: 4.653 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 43 Resp: 19886

Ion	Ratio	Lower	Upper
43	100		
58	42.3	34.2	51.4





#52
Toluene
Concen: 1.041 ug/l
RT: 10.635 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

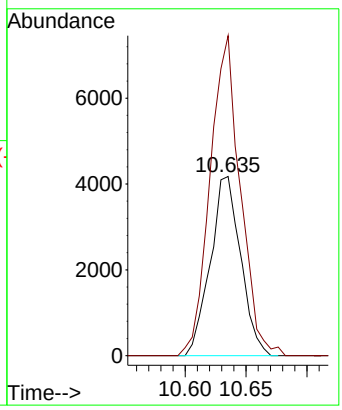
Tgt Ion: 92 Resp: 722

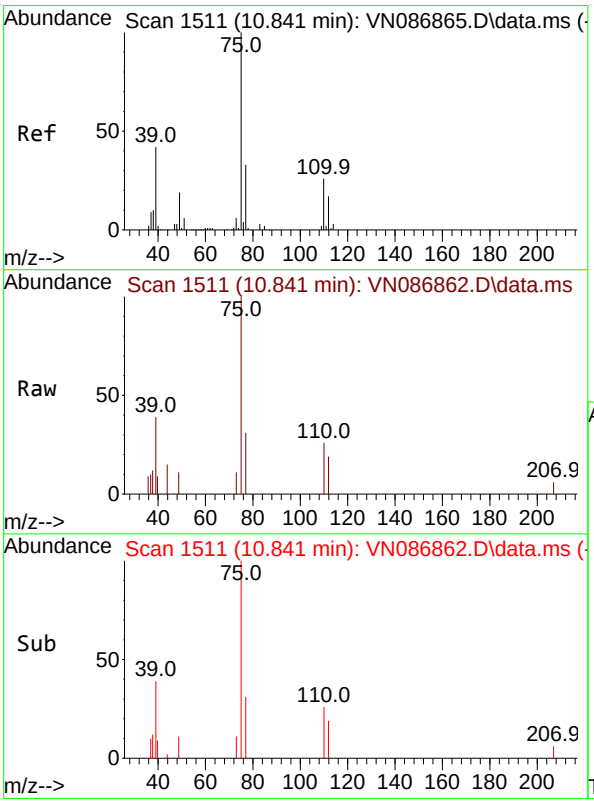
Ion	Ratio	Lower	Upper
92	100		
91	178.1	136.5	204.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

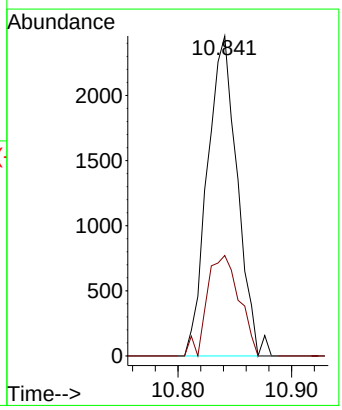


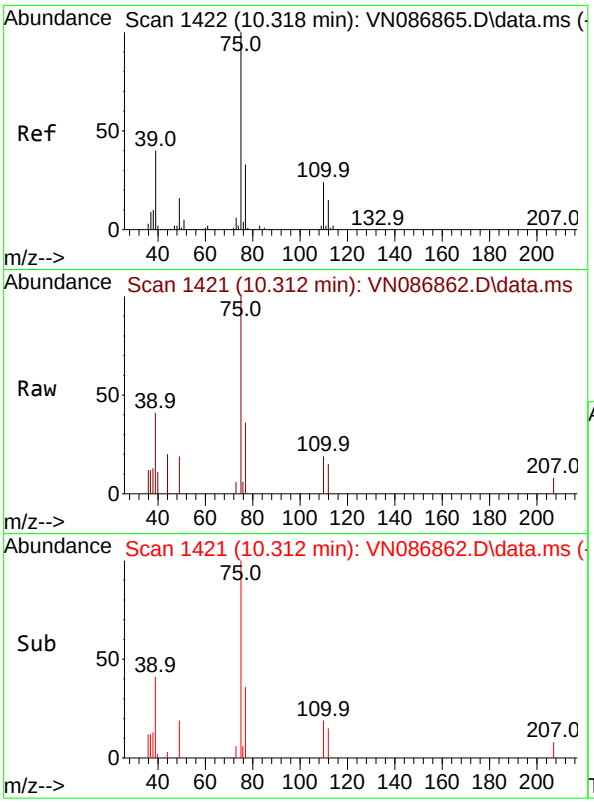


#53
t-1,3-Dichloropropene
Concen: 1.064 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 75 Resp: 4494

Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.4	39.6

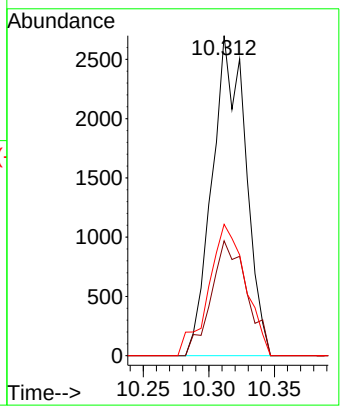




#54
cis-1,3-Dichloropropene
Concen: 1.060 ug/l
RT: 10.312 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 75 Resp: 479

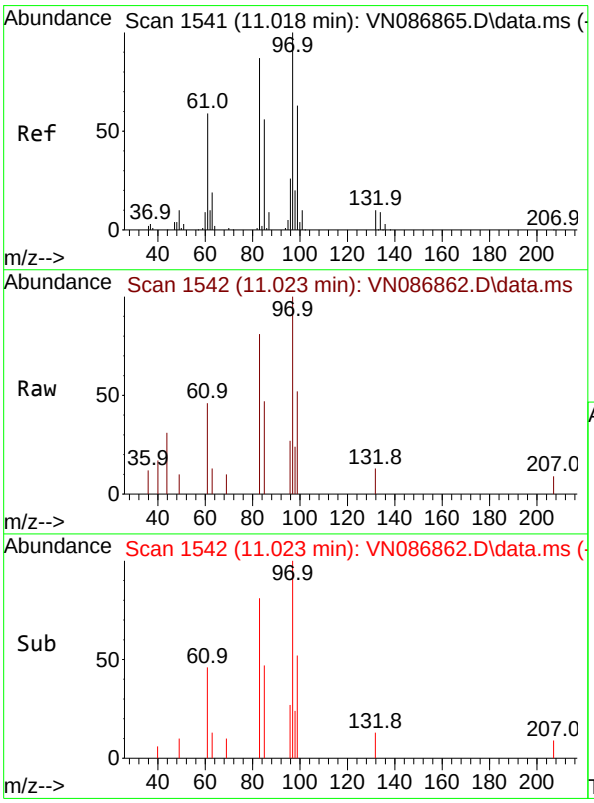
Ion	Ratio	Lower	Upper
75	100		
77	35.9	26.2	39.4
39	41.1	32.3	48.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

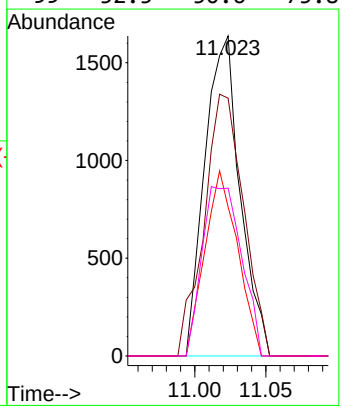
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

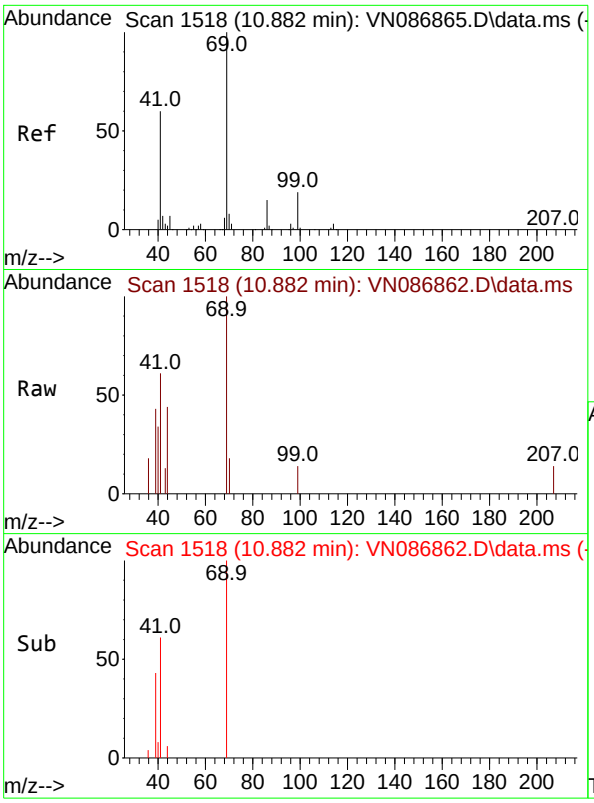


#55
1,1,2-Trichloroethane
Concen: 1.058 ug/l
RT: 11.023 min Scan# 1542
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 97 Resp: 2828

Ion	Ratio	Lower	Upper
97	100		
83	80.6	69.7	104.5
85	46.5	45.1	67.7
99	52.5	50.6	75.8





#56
Ethyl methacrylate
Concen: 0.800 ug/l
RT: 10.882 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

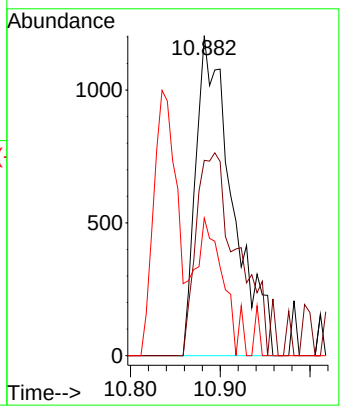
Tgt Ion: 69 Resp: 340

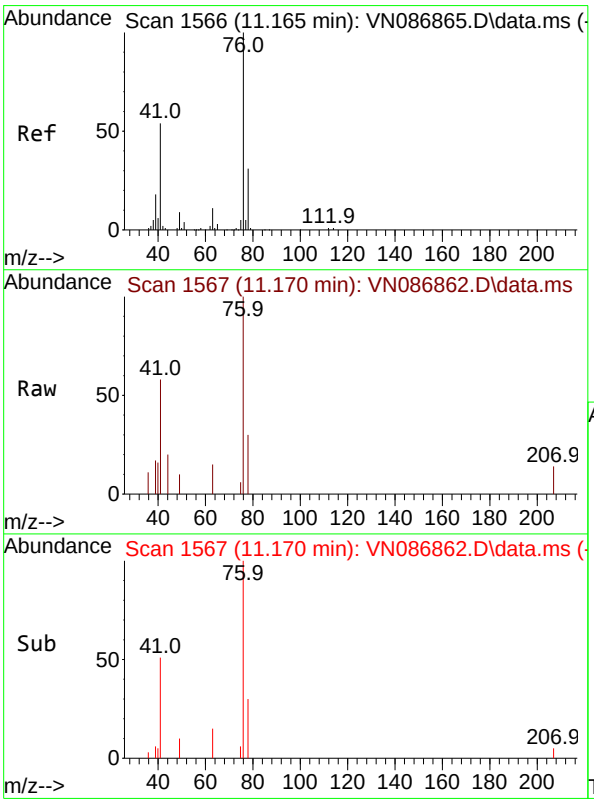
Ion	Ratio	Lower	Upper
69	100		
41	73.5	47.2	70.8#
39	31.6	23.0	34.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

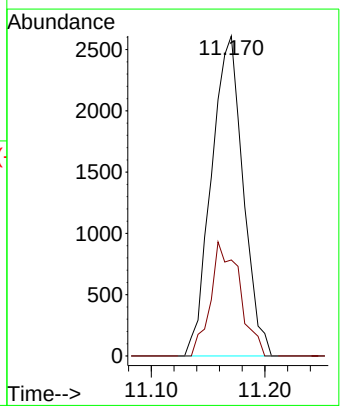


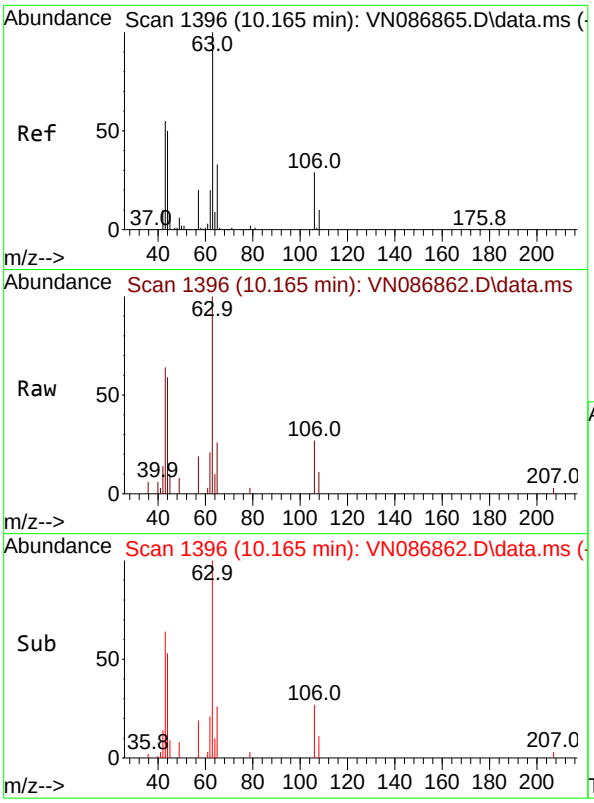


#57
1,3-Dichloropropane
Concen: 1.092 ug/l
RT: 11.170 min Scan# 1567
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 76 Resp: 5062

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.3	37.9





#58
2-Chloroethyl Vinyl ether
Concen: 4.304 ug/l
RT: 10.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

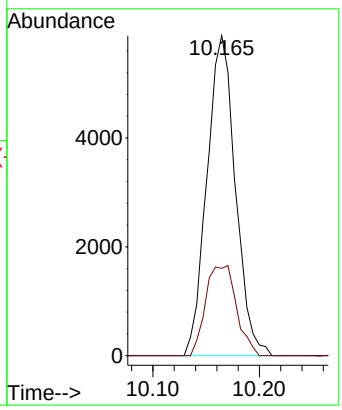
Tgt Ion: 63 Resp: 1092

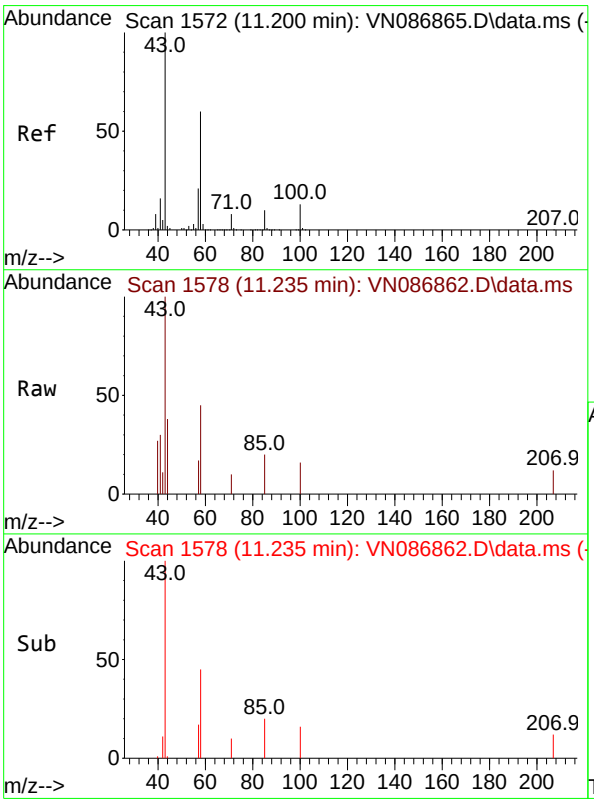
Ion	Ratio	Lower	Upper
63	100		
106	30.4	23.0	34.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

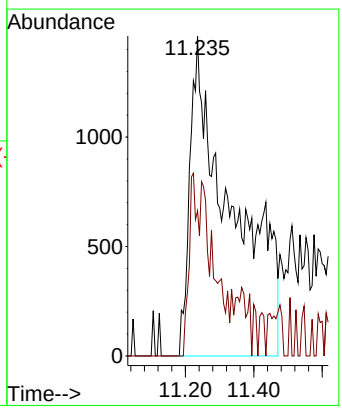


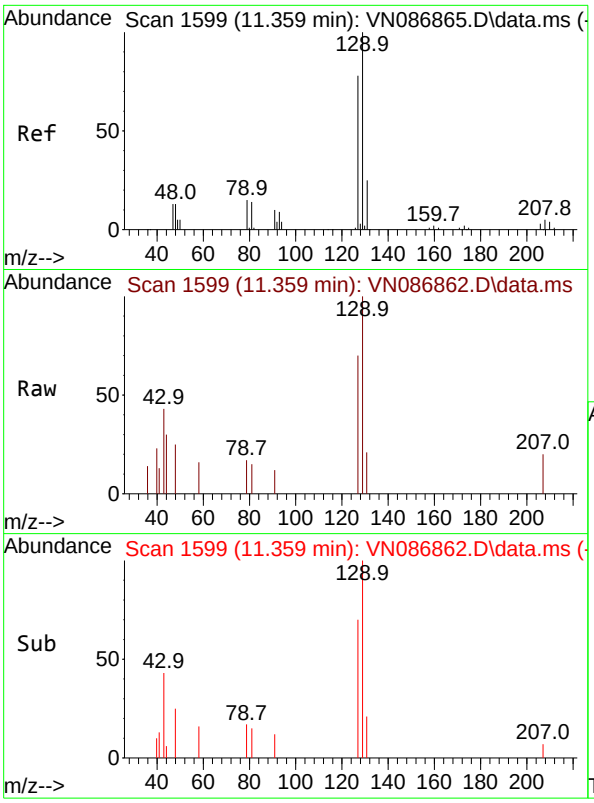


#59
2-Hexanone
Concen: 4.466 ug/l m
RT: 11.235 min Scan# 1578
Delta R.T. 0.035 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 43 Resp: 12295

Ion	Ratio	Lower	Upper
43	100		
58	4.7	30.4	91.3#

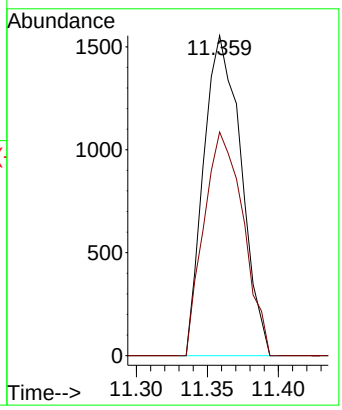




#60
Dibromochloromethane
Concen: 1.021 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:129 Resp: 284

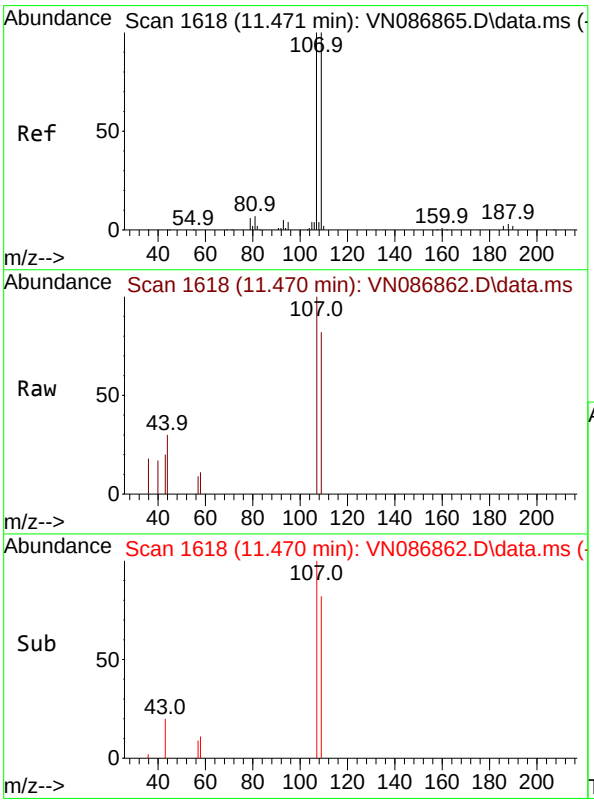
Ion	Ratio	Lower	Upper
129	100		
127	73.8	38.6	115.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

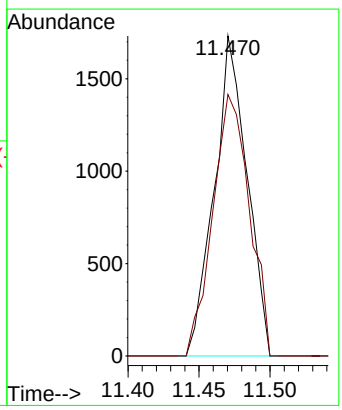
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

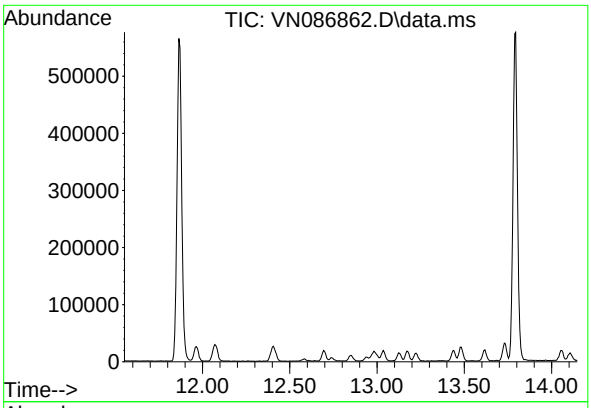


#61
1,2-Dibromoethane
Concen: 1.014 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:107 Resp: 2777

Ion	Ratio	Lower	Upper
107	100		
109	91.2	76.3	114.5





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.85 min

Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

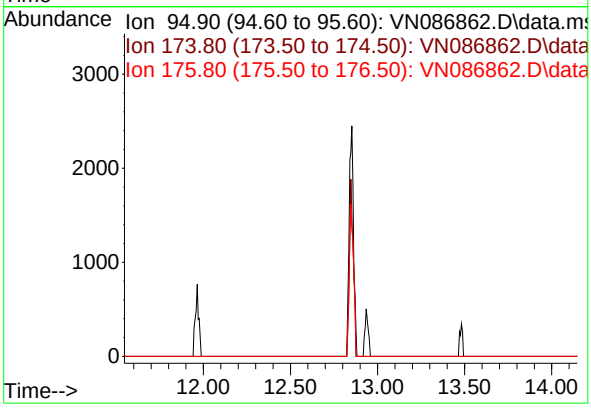
Tgt Ion: 95

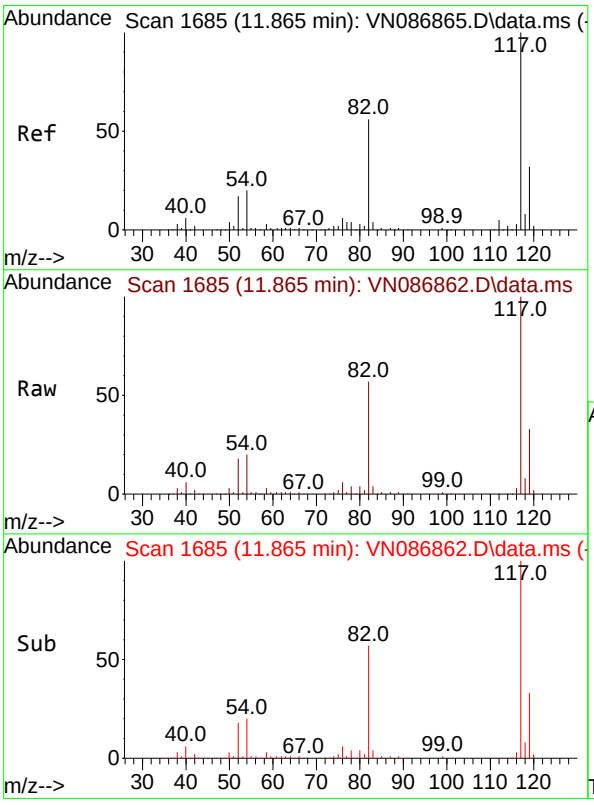
Sig	Exp Ratio
95	100
174	70.9
176	66.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

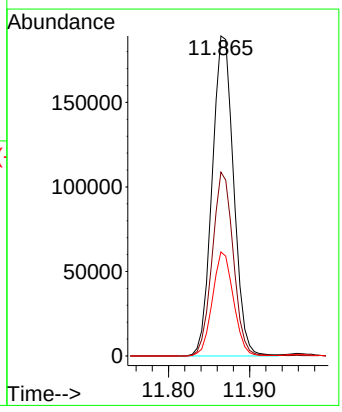


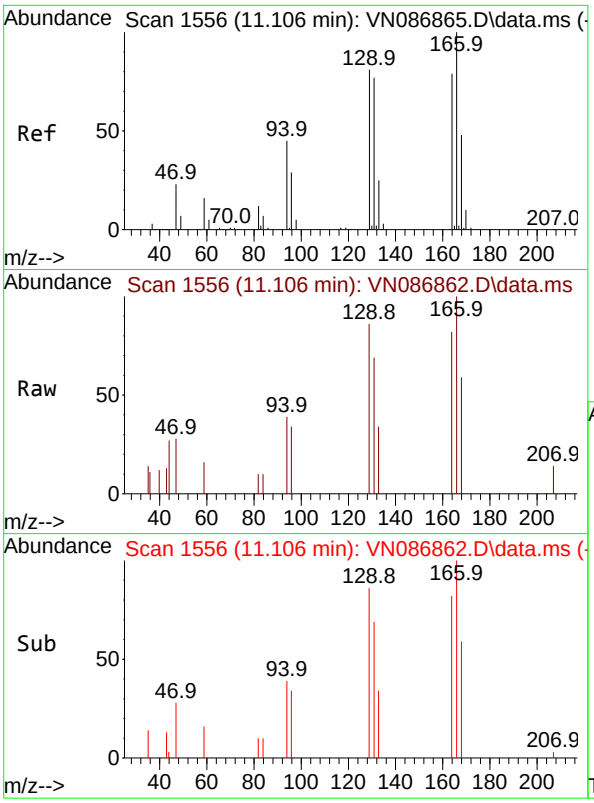


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:117 Resp: 348010

Ion	Ratio	Lower	Upper
117	100		
82	57.5	44.6	67.0
119	32.5	25.5	38.3

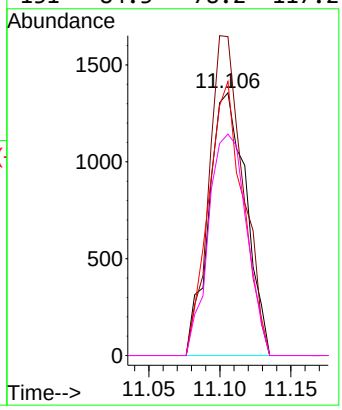




#64
Tetrachloroethene
Concen: 1.123 ug/l
RT: 11.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:164 Resp: 247

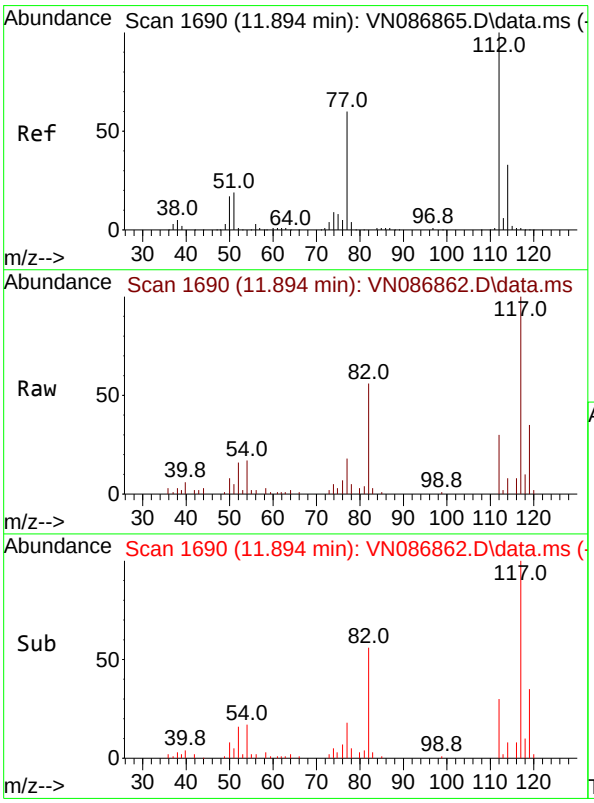
Ion	Ratio	Lower	Upper
164	100		
166	121.4	101.8	152.8
129	104.4	83.0	124.4
131	84.3	78.2	117.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

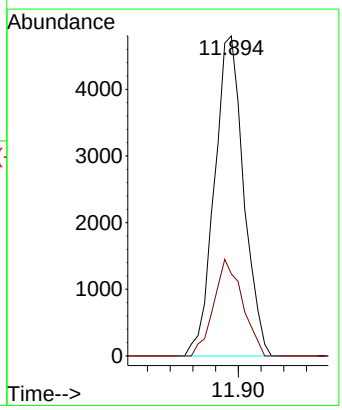
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

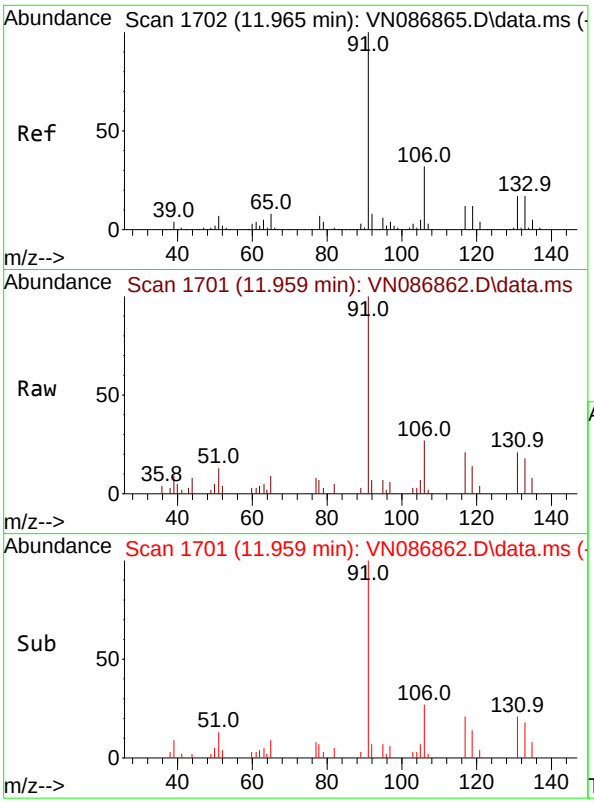


#65
Chlorobenzene
Concen: 1.118 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:112 Resp: 8581

Ion	Ratio	Lower	Upper
112	100		
114	25.7	26.2	39.2#





#66
1,1,1,2-Tetrachloroethane
Concen: 1.023 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

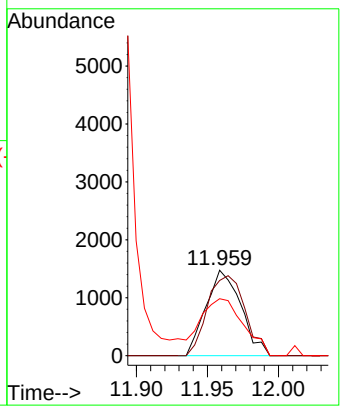
Tgt Ion:131 Resp: 252

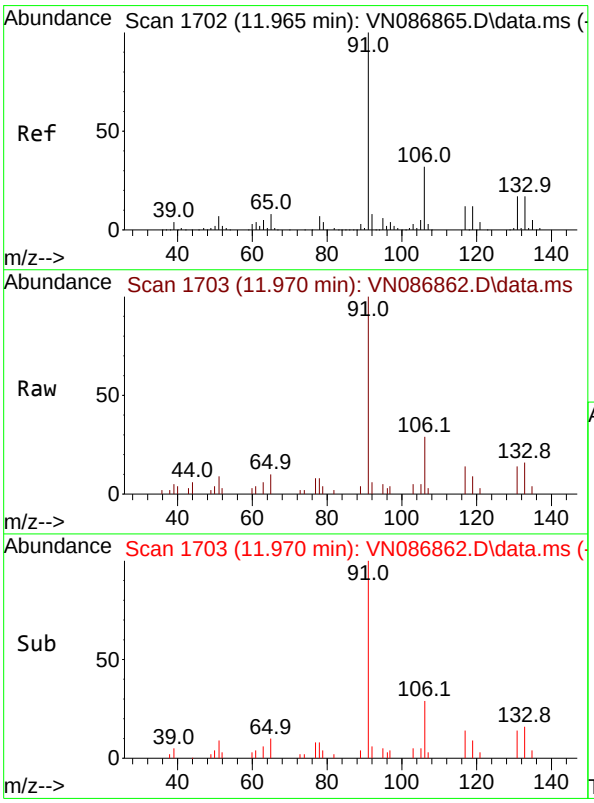
Ion	Ratio	Lower	Upper
131	100		
133	100.9	48.3	144.8
119	0.0	34.0	101.8#

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

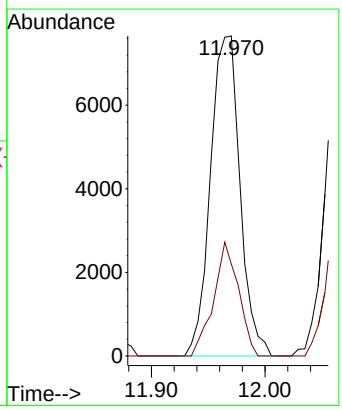


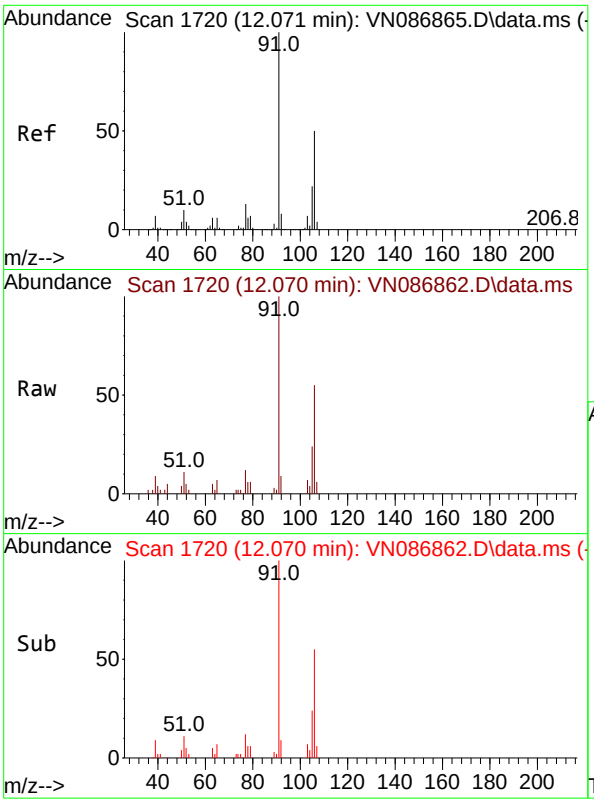


#67
Ethyl Benzene
Concen: 1.047 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 91 Resp: 13845

Ion	Ratio	Lower	Upper
91	100		
106	28.7	25.4	38.2





#68
m/p-Xylenes
Concen: 2.008 ug/l
RT: 12.070 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

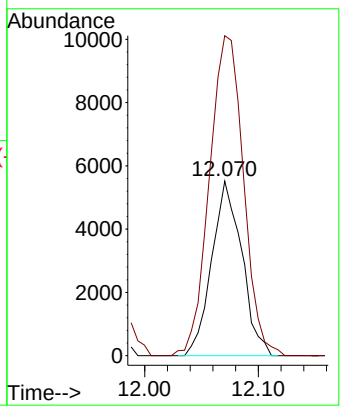
Tgt Ion:106 Resp: 1016

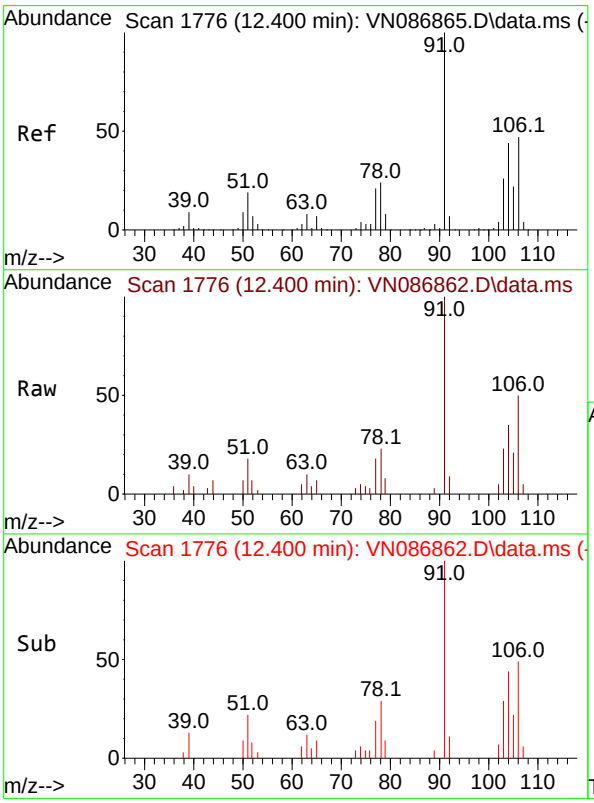
Ion	Ratio	Lower	Upper
106	100		
91	207.3	159.4	239.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

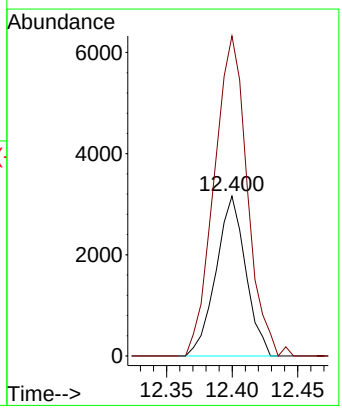


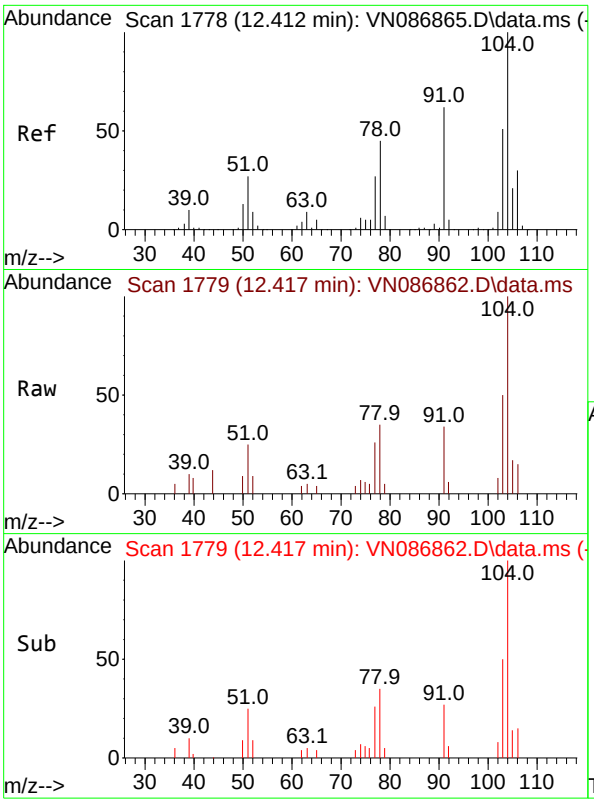


#69
o-Xylene
Concen: 1.025 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:106 Resp: 4970

Ion	Ratio	Lower	Upper
106	100		
91	223.6	106.1	318.1

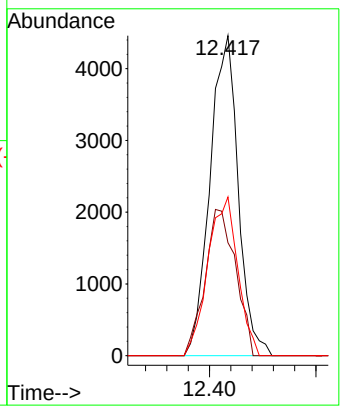




#70
Styrene
Concen: 0.987 ug/l
RT: 12.417 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:104 Resp: 818

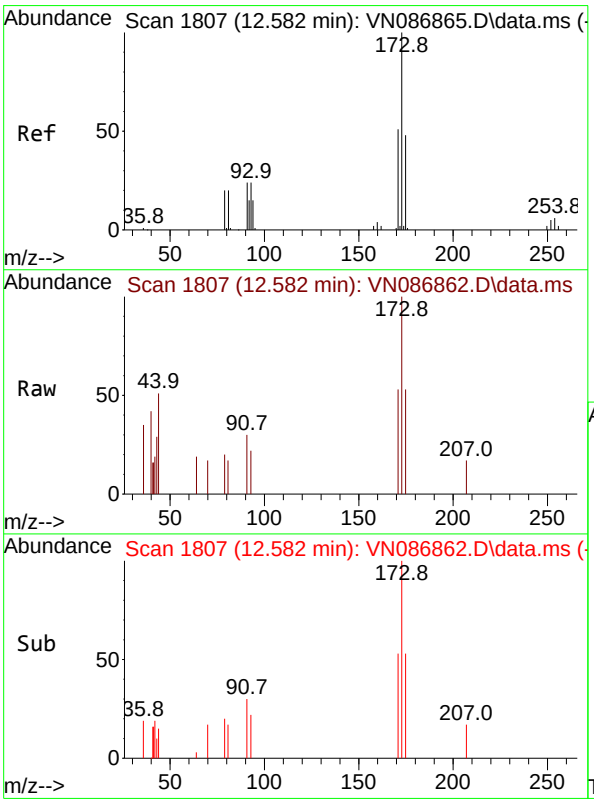
Ion	Ratio	Lower	Upper
104	100		
78	49.6	38.5	57.7
103	52.5	43.1	64.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

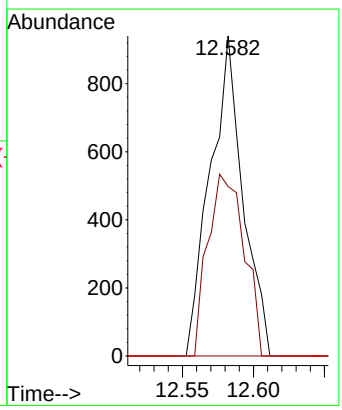
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

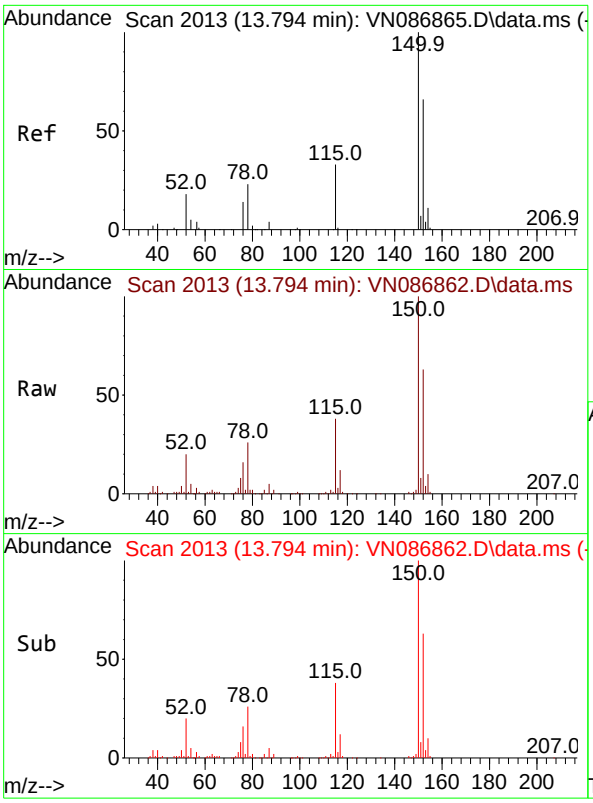


#71
Bromoform
Concen: 0.825 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:173 Resp: 1508

Ion	Ratio	Lower	Upper
173	100		
175	63.1	24.1	72.4
254	0.0	0.0	0.0

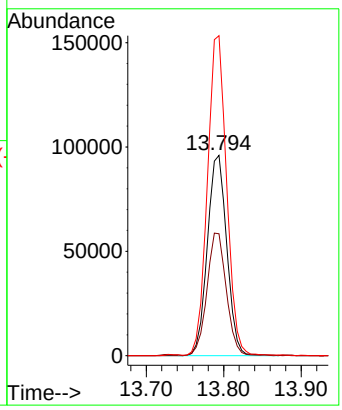




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:152 Resp: 16739

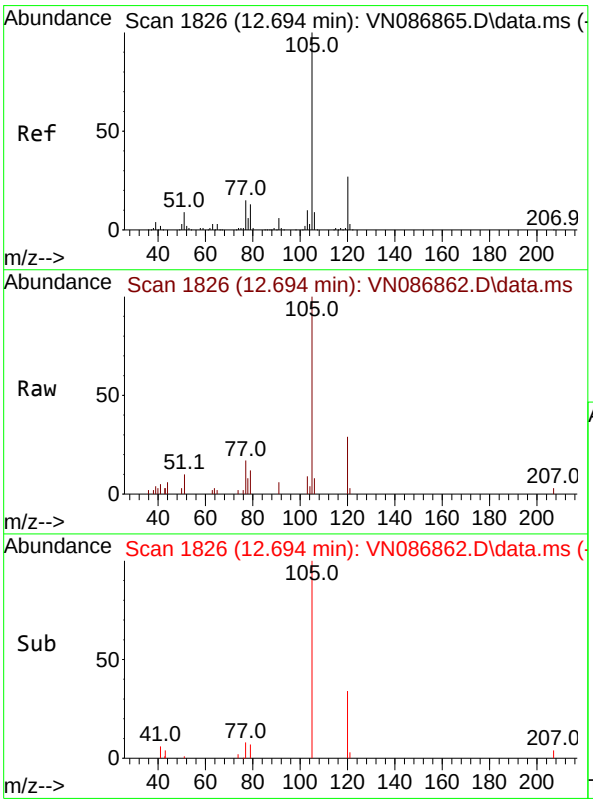
Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.1	90.5
150	158.0	0.0	345.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

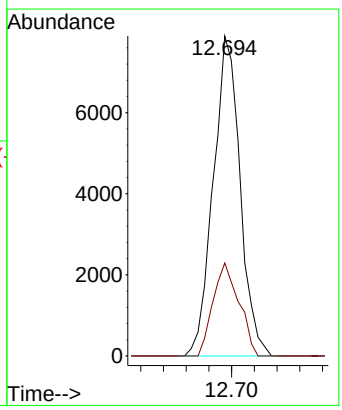
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

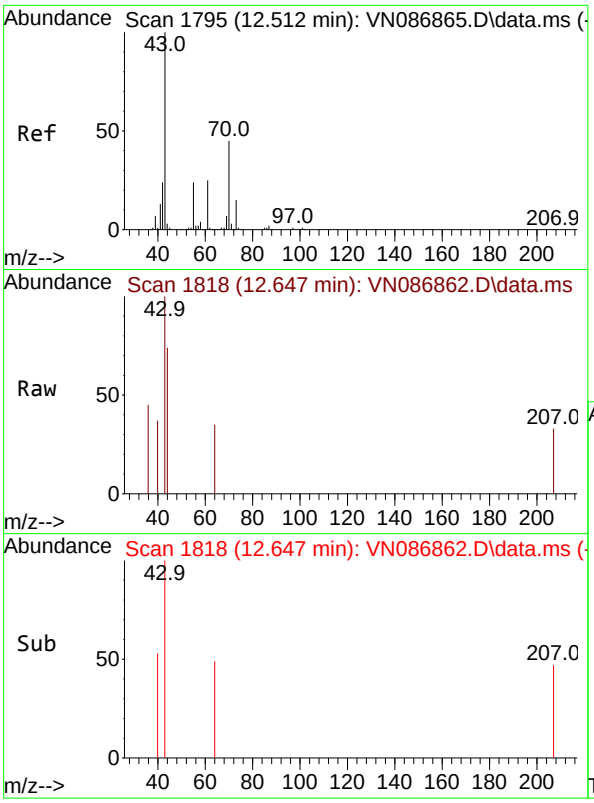


#73
Isopropylbenzene
Concen: 1.061 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:105 Resp: 12938

Ion	Ratio	Lower	Upper
105	100		
120	28.1	13.5	40.4

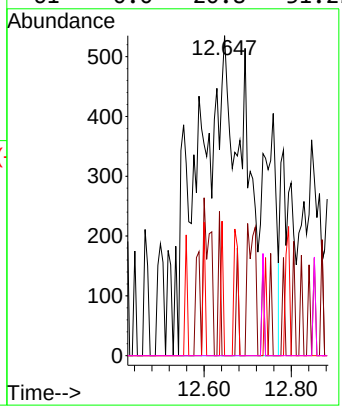




#74
N-amyl acetate
Concen: 1.138 ug/l m
RT: 12.647 min Scan# 1
Delta R.T. 0.135 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 43 Resp: 460

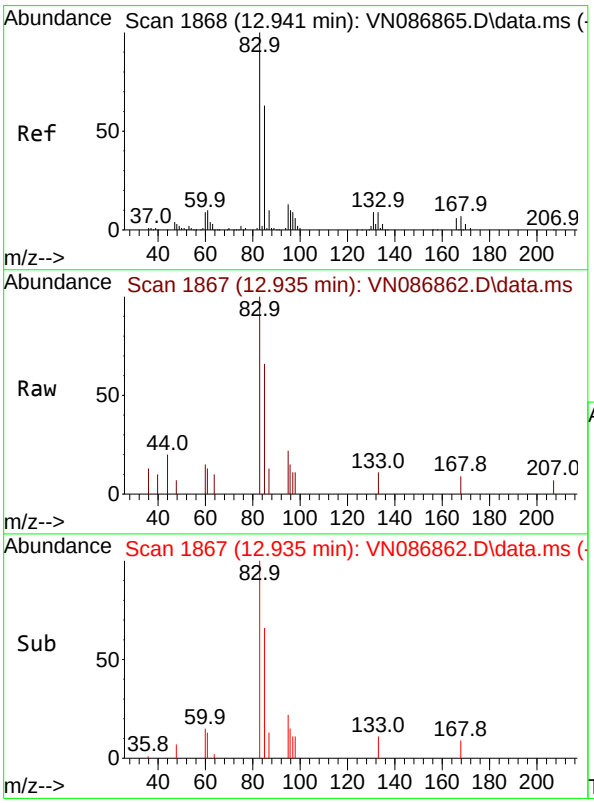
Ion	Ratio	Lower	Upper
43	100		
70	0.0	37.6	56.4#
55	0.0	19.0	28.6#
61	0.0	20.8	31.2#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

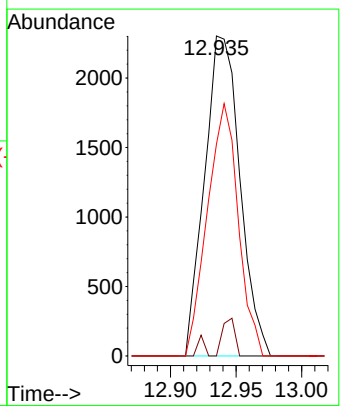
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

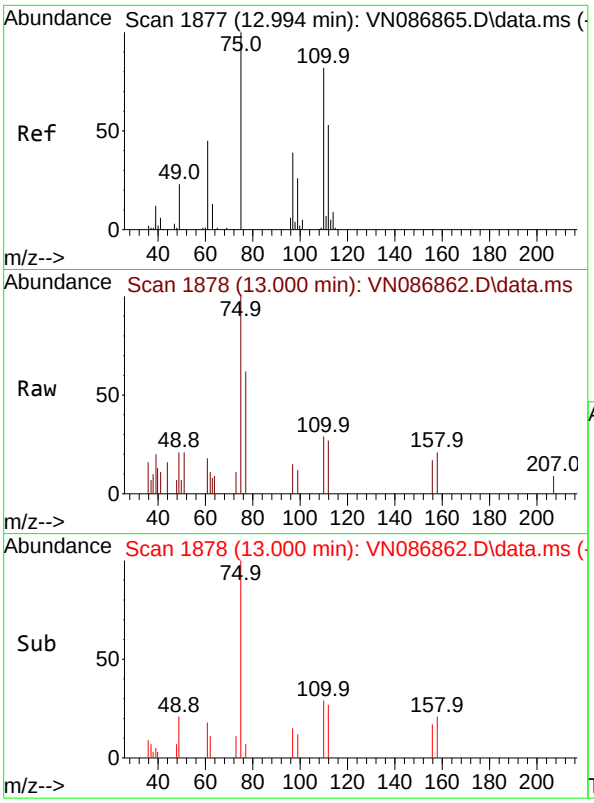


#75
1,1,2,2-Tetrachloroethane
Concen: 1.047 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 83 Resp: 4326

Ion	Ratio	Lower	Upper
83	100		
131	4.1	4.9	14.7#
85	68.6	32.0	96.0





#76
1,2,3-Trichloropropane
Concen: 1.088 ug/l m
RT: 13.000 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

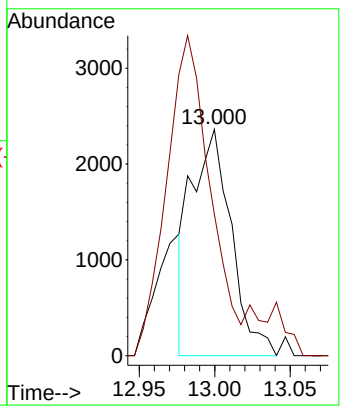
Tgt Ion: 75 Resp: 434

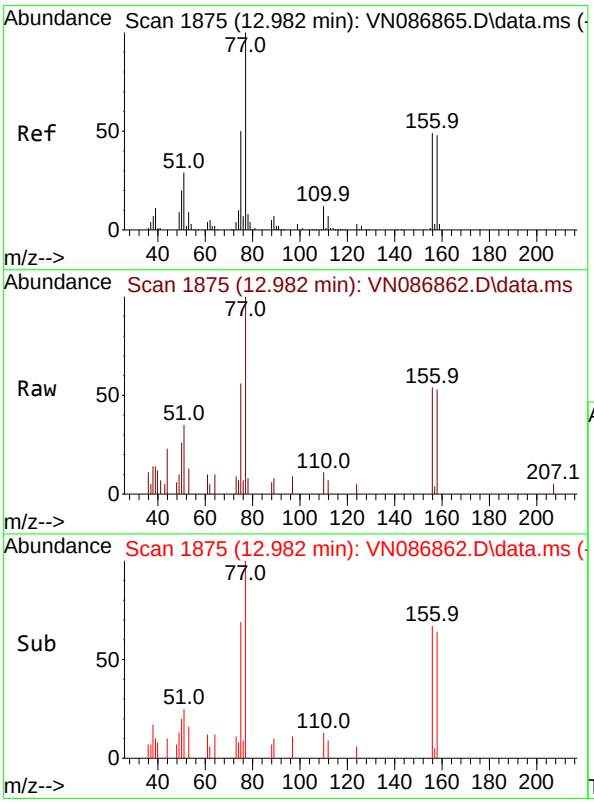
Ion	Ratio	Lower	Upper
75	100		
77	154.4	79.3	237.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

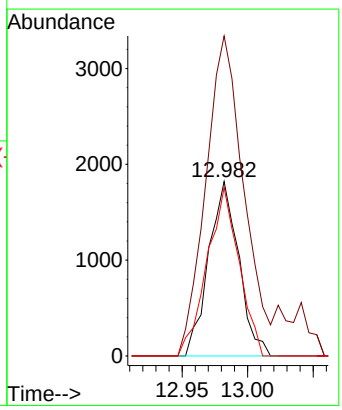


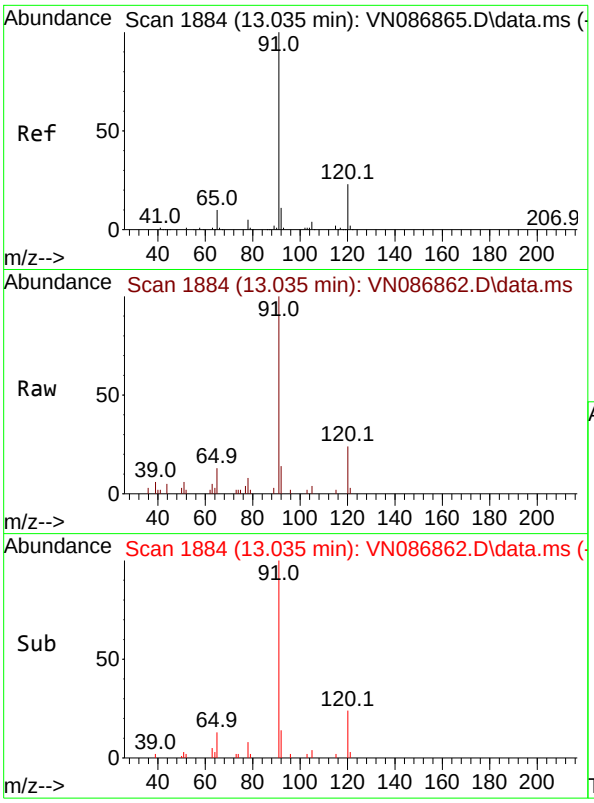


#77
Bromobenzene
Concen: 1.042 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:156 Resp: 2913

Ion	Ratio	Lower	Upper
156	100		
77	230.2	117.7	353.1
158	102.5	48.1	144.4





#78
n-propylbenzene
Concen: 1.023 ug/l
RT: 13.035 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

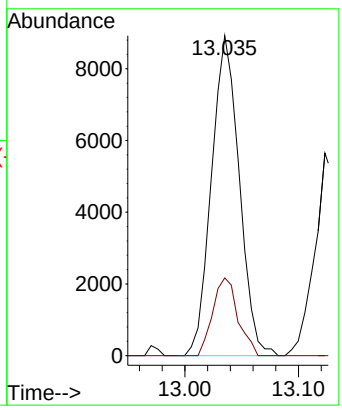
Tgt Ion: 91 Resp: 1516

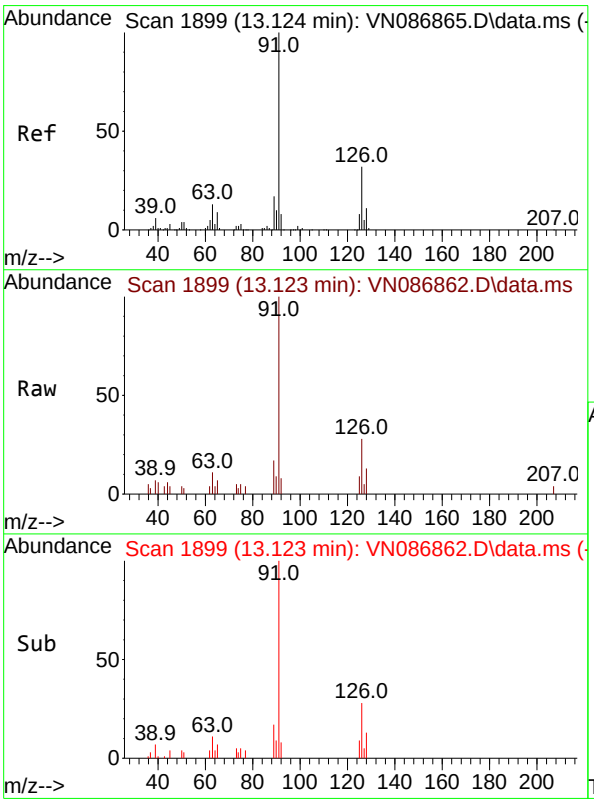
Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.4	34.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

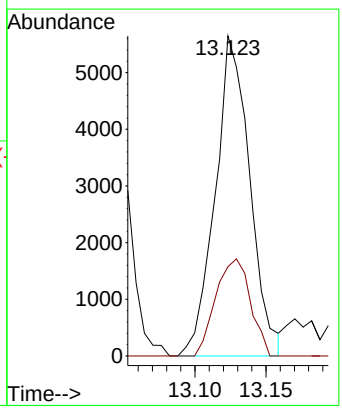


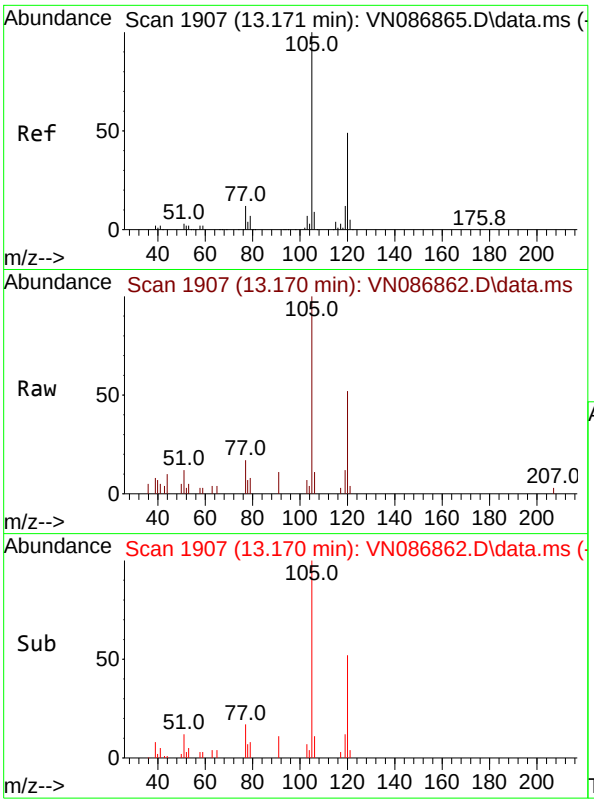


#79
2-Chlorotoluene
Concen: 1.074 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 91 Resp: 9550

Ion	Ratio	Lower	Upper
91	100		
126	30.4	16.2	48.5

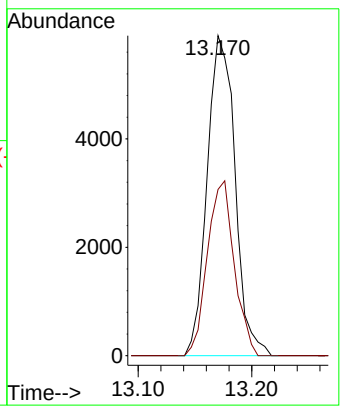




#80
1,3,5-Trimethylbenzene
Concen: 0.999 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:105 Resp: 1005

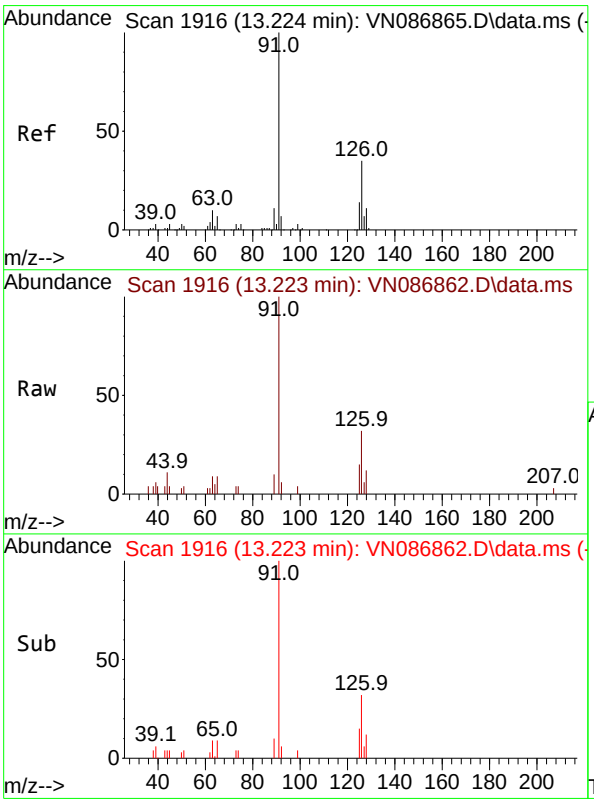
Ion	Ratio	Lower	Upper
105	100		
120	52.7	24.9	74.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

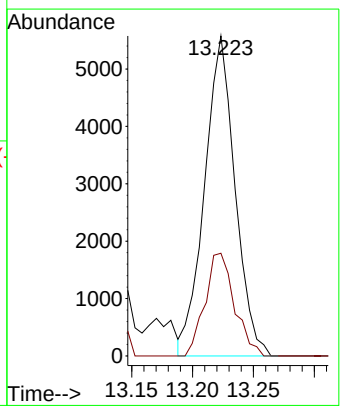
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

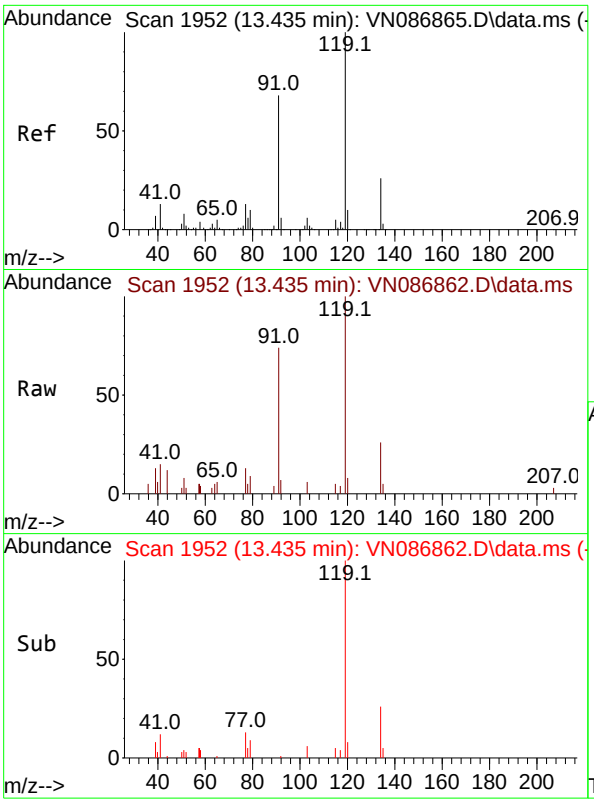


#82
4-Chlorotoluene
Concen: 1.079 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 91 Resp: 9706

Ion	Ratio	Lower	Upper
91	100		
126	31.1	16.7	50.1

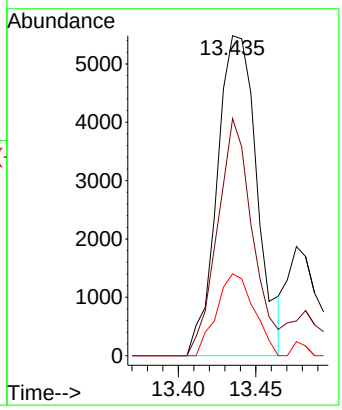




#83
tert-Butylbenzene
Concen: 1.069 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:119 Resp: 984

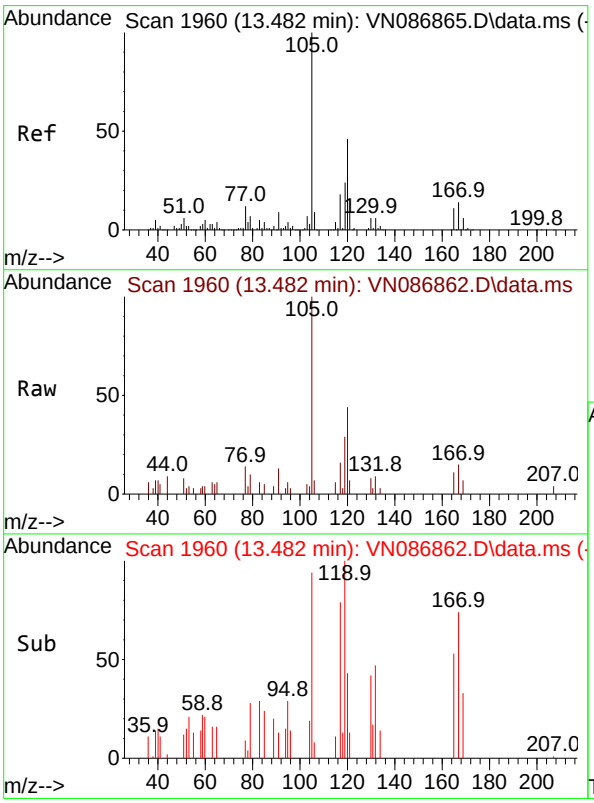
Ion	Ratio	Lower	Upper
119	100		
91	65.3	32.1	96.5
134	23.9	13.4	40.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

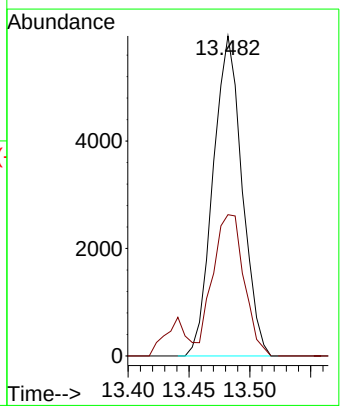
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

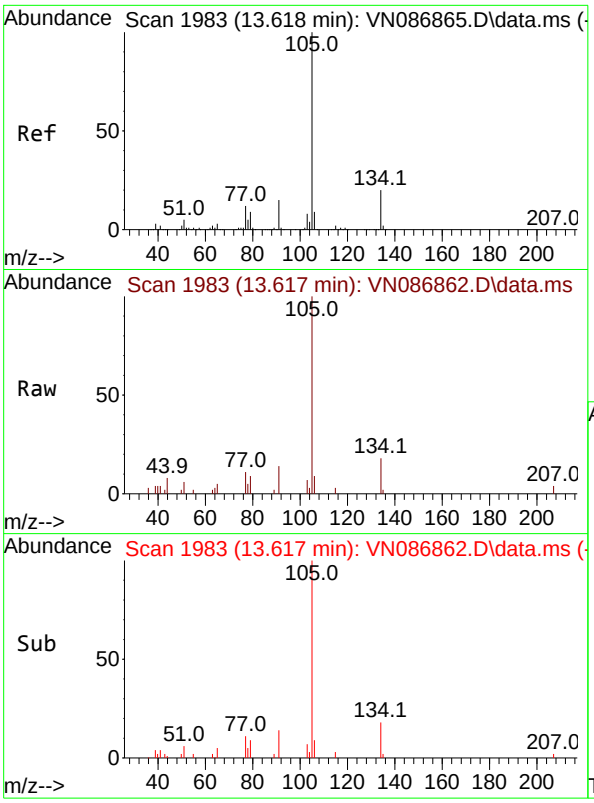


#84
1,2,4-Trimethylbenzene
Concen: 0.979 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:105 Resp: 9882

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.2	69.6

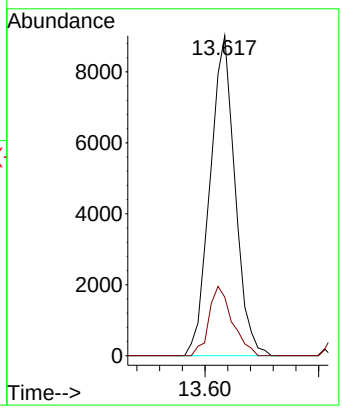




#85
sec-Butylbenzene
Concen: 1.029 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:105 Resp: 1377

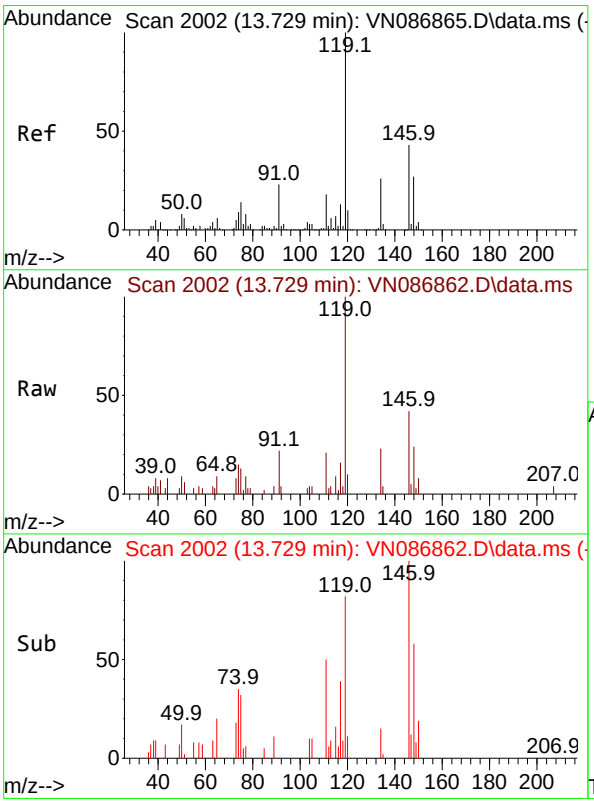
Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

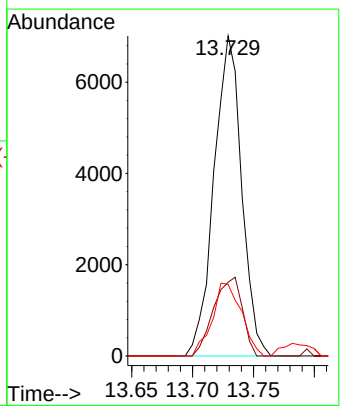
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

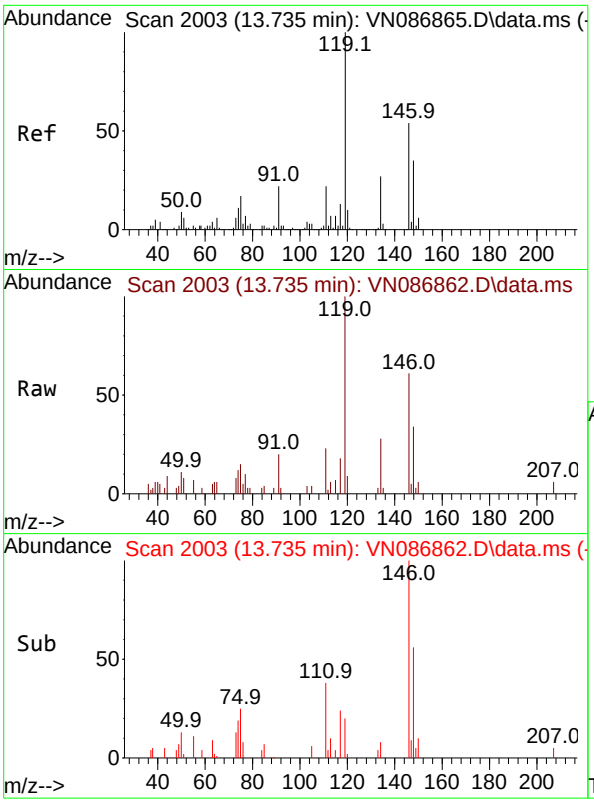


#86
p-Isopropyltoluene
Concen: 1.000 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:119 Resp: 11065

Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.5	40.4
91	24.1	11.5	34.4

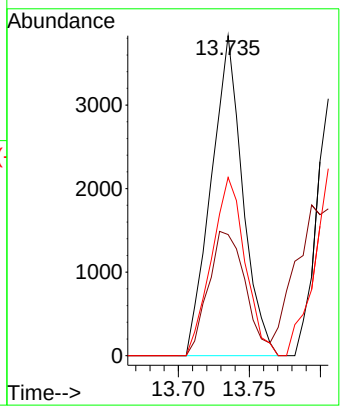




#87
1,3-Dichlorobenzene
Concen: 1.073 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:146 Resp: 590

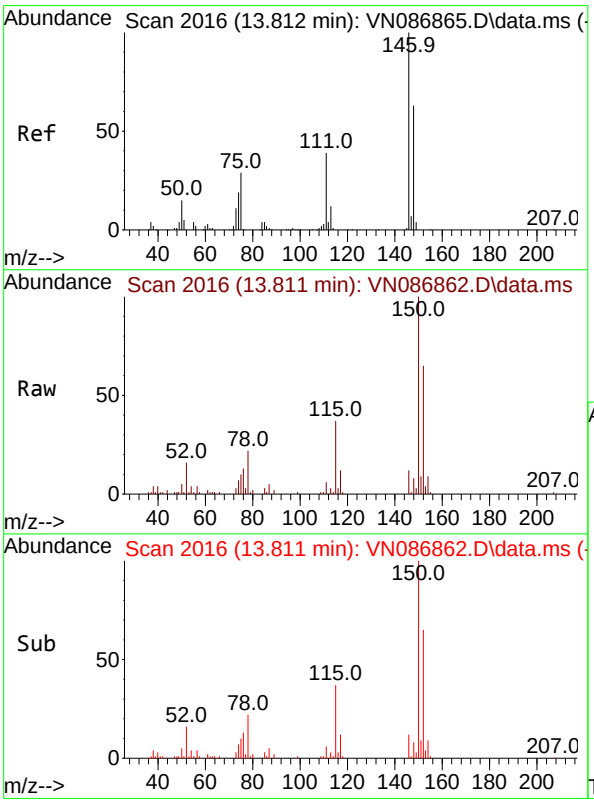
Ion	Ratio	Lower	Upper
146	100		
111	45.8	20.9	62.8
148	59.7	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

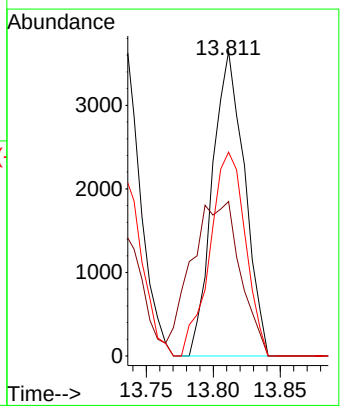
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

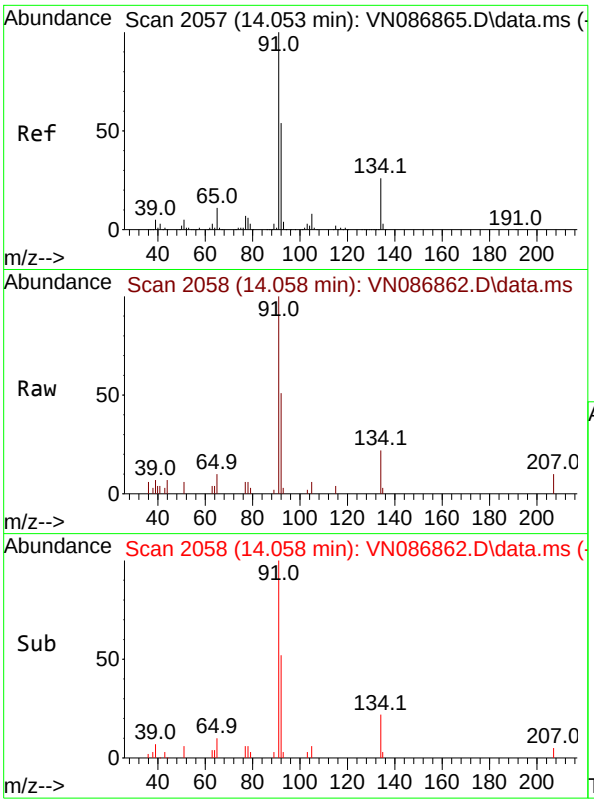


#88
1,4-Dichlorobenzene
Concen: 1.086 ug/l m
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:146 Resp: 6094

Ion	Ratio	Lower	Upper
146	100		
111	44.4	19.9	59.7
148	57.8	31.8	95.4





#89
n-Butylbenzene
Concen: 1.085 ug/l
RT: 14.058 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

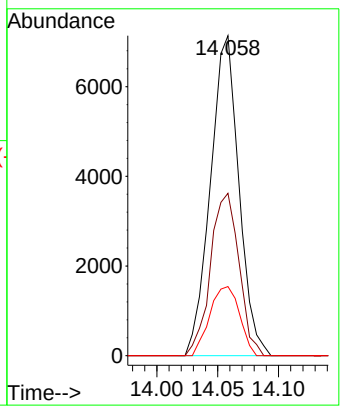
Tgt Ion: 91 Resp: 1162

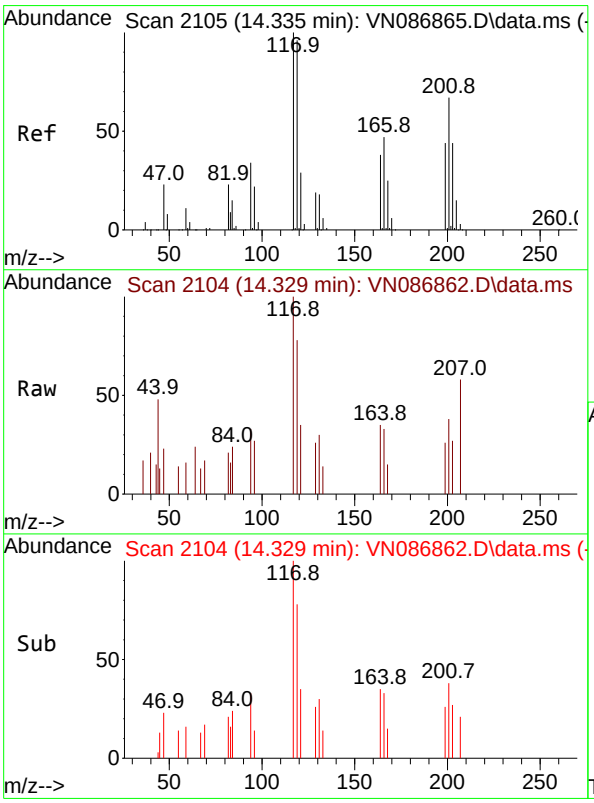
Ion	Ratio	Lower	Upper
91	100		
92	50.8	27.5	82.4
134	22.6	13.0	39.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

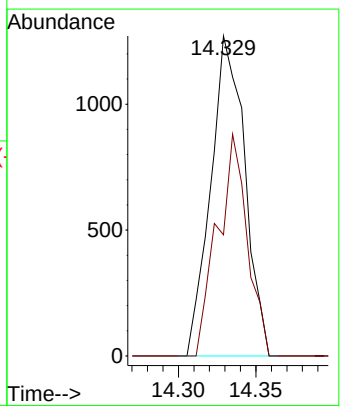


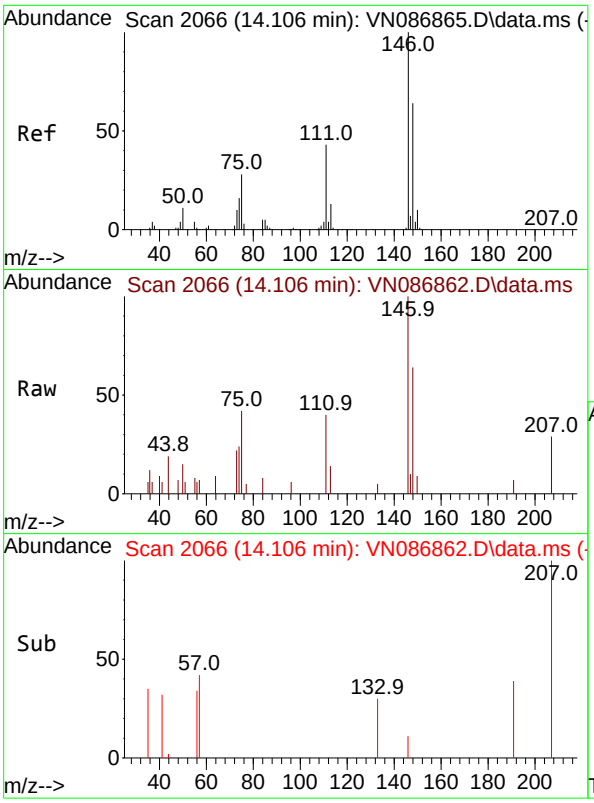


#90
Hexachloroethane
Concen: 1.036 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:117 Resp: 1942

Ion	Ratio	Lower	Upper
117	100		
201	60.6	33.2	99.6

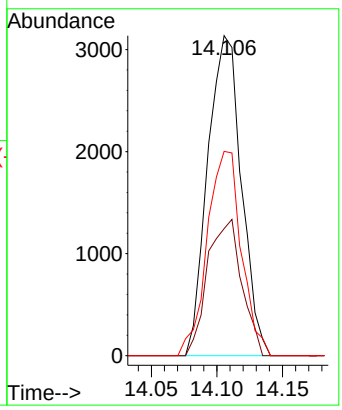




#91
1,2-Dichlorobenzene
Concen: 1.061 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:146 Resp: 560

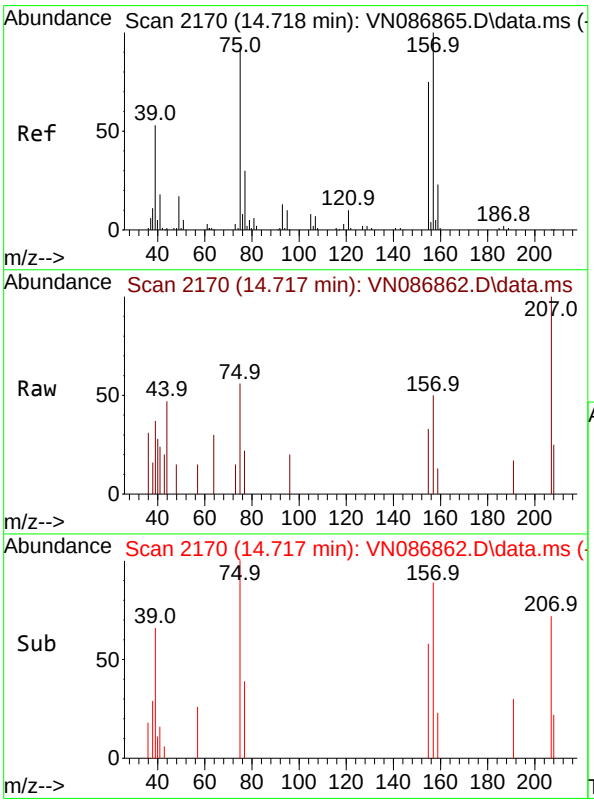
Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	64.6
148	64.7	31.7	95.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

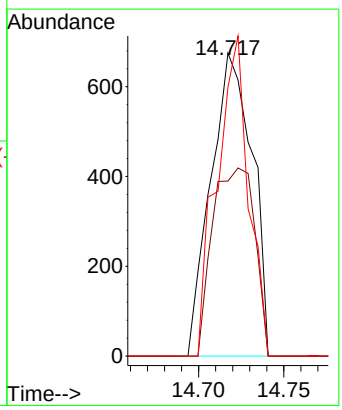
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

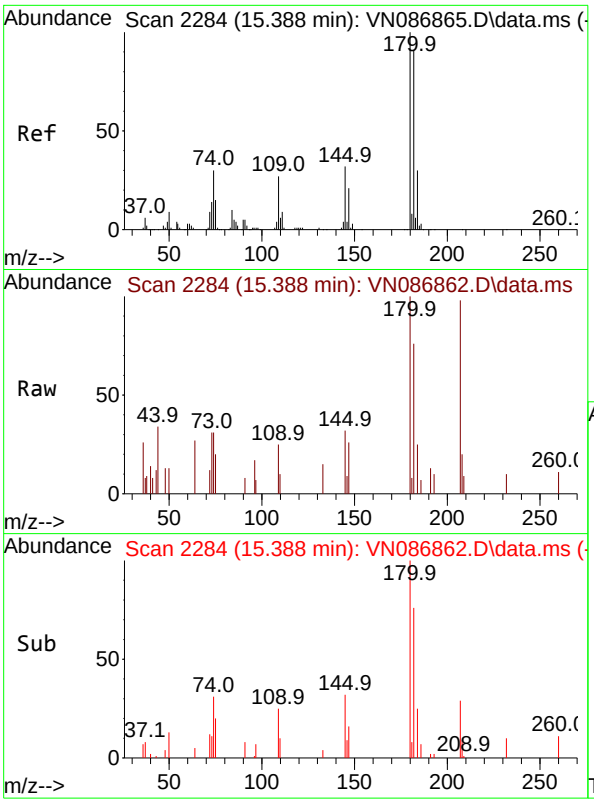


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.150 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 75 Resp: 1136

Ion	Ratio	Lower	Upper
75	100		
155	63.6	41.1	123.4
157	81.0	52.7	158.1

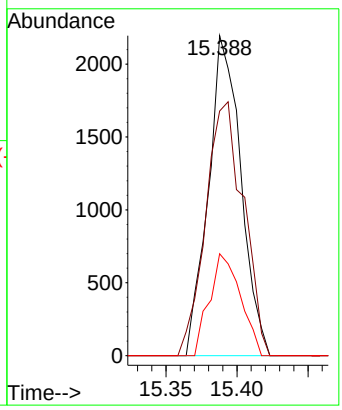




#93
1,2,4-Trichlorobenzene
Concen: 1.034 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:180 Resp: 348

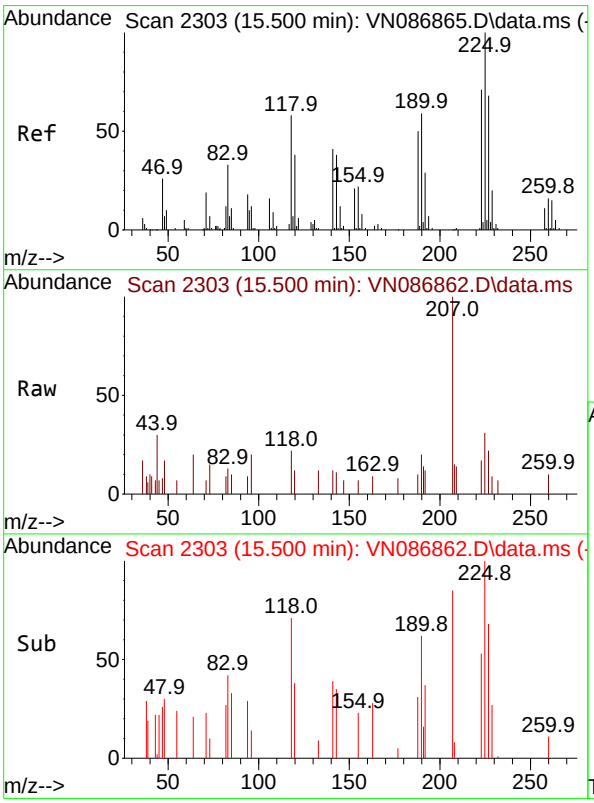
Ion	Ratio	Lower	Upper
180	100		
182	92.1	46.9	140.7
145	30.4	16.0	47.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

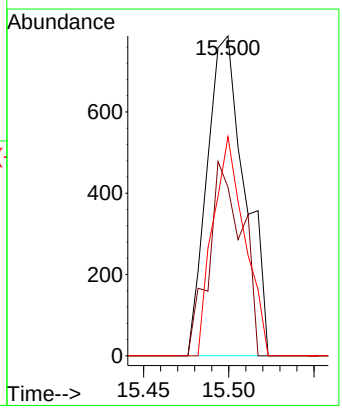
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

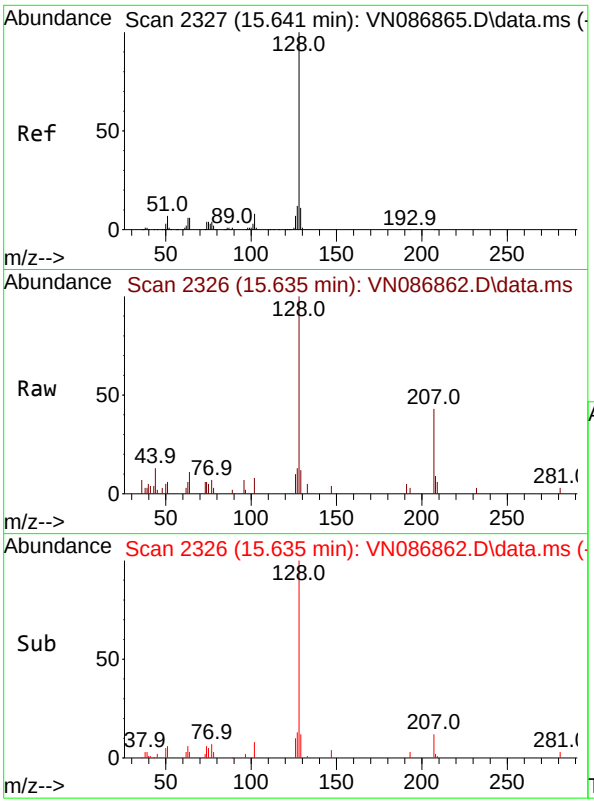


#94
Hexachlorobutadiene
Concen: 0.969 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:225 Resp: 1219

Ion	Ratio	Lower	Upper
225	100		
223	53.6	33.5	100.4
227	57.5	31.1	93.5

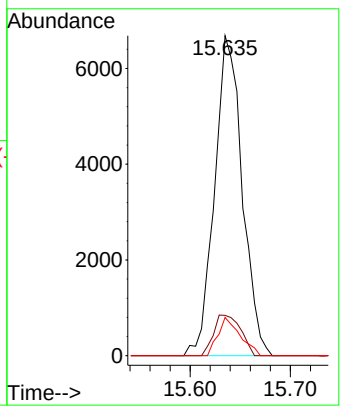




#95
Naphthalene
Concen: 1.018 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:128 Resp: 1278

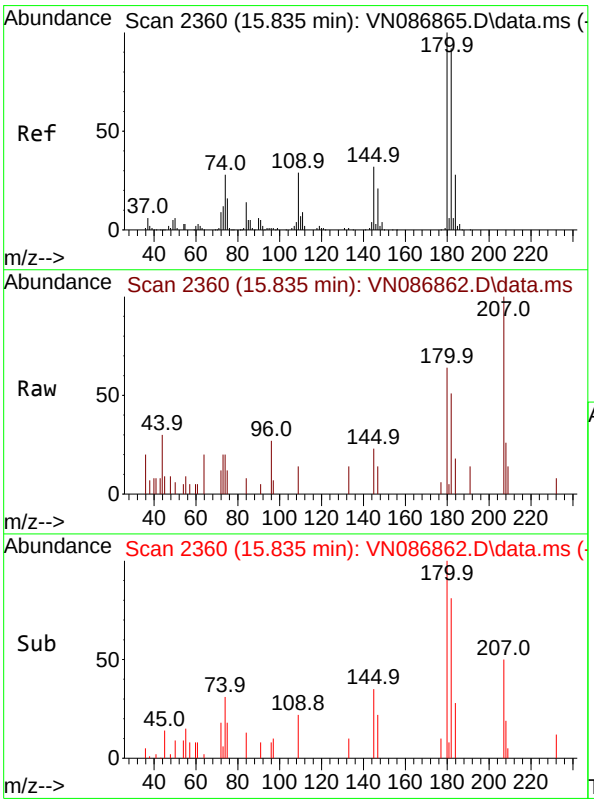
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.2
129	9.5	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

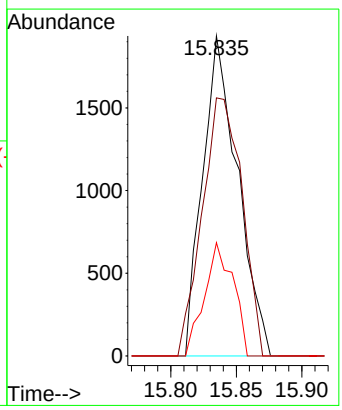
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



#96
1,2,3-Trichlorobenzene
Concen: 1.072 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:180 Resp: 3594

Ion	Ratio	Lower	Upper
180	100		
182	91.6	47.0	141.0
145	29.0	16.6	49.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.230	168	229701	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.106	114	423980	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	371851	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	181065	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.588	65	16818	5.468	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.940%#			
35) Dibromofluoromethane	8.177	113	12867	5.121	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.240%#			
50) Toluene-d8	10.571	98	52794	5.308	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.620%#			
62) 4-Bromofluorobenzene	12.847	95	18697	5.059	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.120%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.154	85	10196	4.452	ug/l		93
3) Chloromethane	2.395	50	15025	5.080	ug/l		98
4) Vinyl Chloride	2.554	62	15384	5.043	ug/l		97
5) Bromomethane	2.989	94	8606	5.041	ug/l		97
6) Chloroethane	3.154	64	10190	5.171	ug/l		96
7) Trichlorofluoromethane	3.518	101	20740	5.203	ug/l		99
8) Diethyl Ether	3.971	74	9121	5.252	ug/l		95
9) 1,1,2-Trichlorotrifluo...	4.401	101	13034	5.205	ug/l		97
10) Methyl Iodide	4.606	142	16530	5.092	ug/l		98
11) Tert butyl alcohol	5.542	59	22000	26.363	ug/l		99
12) 1,1-Dichloroethene	4.359	96	13610	5.323	ug/l		94
13) Acrolein	4.195	56	8401	31.804	ug/l		99
14) Allyl chloride	5.042	41	20925	4.935	ug/l		99
15) Acrylonitrile	5.736	53	49826	25.545	ug/l		99
16) Acetone	4.448	43	41981	25.741	ug/l		99
17) Carbon Disulfide	4.736	76	37246	5.267	ug/l		97
18) Methyl Acetate	5.048	43	24096	5.070	ug/l		97
19) Methyl tert-butyl Ether	5.812	73	46823	5.058	ug/l		95
20) Methylene Chloride	5.300	84	15809	5.178	ug/l		96
21) trans-1,2-Dichloroethene	5.806	96	15480	5.442	ug/l	#	81
22) Diisopropyl ether	6.689	45	46396	5.191	ug/l		99
23) Vinyl Acetate	6.618	43	194334	25.735	ug/l		100
24) 1,1-Dichloroethane	6.583	63	26473	5.147	ug/l		99
25) 2-Butanone	7.494	43	68629	25.888	ug/l		99
26) 2,2-Dichloropropane	7.500	77	18288	4.571	ug/l		100
27) cis-1,2-Dichloroethene	7.500	96	17594	5.172	ug/l		98
28) Bromochloromethane	7.830	49	12958	5.124	ug/l	#	97
29) Tetrahydrofuran	7.853	42	44749	25.912	ug/l		98
30) Chloroform	7.977	83	26450	5.149	ug/l		95
31) Cyclohexane	8.271	56	29938	6.002	ug/l		95
32) 1,1,1-Trichloroethane	8.177	97	22857	5.232	ug/l	#	50
36) 1,1-Dichloropropene	8.377	75	19410	5.184	ug/l		98
37) Ethyl Acetate	7.571	43	26073	5.470	ug/l		97
38) Carbon Tetrachloride	8.371	117	19056	5.184	ug/l		99
39) Methylcyclohexane	9.606	83	27353	5.333	ug/l		95
40) Benzene	8.612	78	63646	5.199	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.783	41	13518	5.050	ug/l		99
42) 1,2-Dichloroethane	8.683	62	19329	5.205	ug/l		98
43) Isopropyl Acetate	8.700	43	40268	5.264	ug/l		98
44) Trichloroethene	9.359	130	15245	5.251	ug/l		96
45) 1,2-Dichloropropane	9.624	63	15632	5.248	ug/l		99
46) Dibromomethane	9.718	93	10241	5.176	ug/l		99
47) Bromodichloromethane	9.888	83	20512	5.039	ug/l		97
48) Methyl methacrylate	9.688	41	17591	4.996	ug/l		94
49) 1,4-Dioxane	9.700	88	6141	95.874	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.447	43	116434	25.283	ug/l		97
52) Toluene	10.630	92	38744	5.178	ug/l		99
53) t-1,3-Dichloropropene	10.841	75	22285	4.896	ug/l		98
54) cis-1,3-Dichloropropene	10.318	75	24477	5.026	ug/l		93
55) 1,1,2-Trichloroethane	11.018	97	15068	5.234	ug/l		97
56) Ethyl methacrylate	10.888	69	21893	4.774	ug/l		95
57) 1,3-Dichloropropane	11.165	76	25452	5.096	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	64722	23.664	ug/l		98
59) 2-Hexanone	11.212	43	59884	20.188	ug/l		99
60) Dibromochloromethane	11.359	129	14884	4.962	ug/l		98
61) 1,2-Dibromoethane	11.471	107	15172	5.141	ug/l		99
64) Tetrachloroethene	11.106	164	12322	5.236	ug/l		92
65) Chlorobenzene	11.894	112	42195	5.145	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.965	131	13897	5.271	ug/l		97
67) Ethyl Benzene	11.965	91	73443	5.199	ug/l		97
68) m/p-Xylenes	12.071	106	55859	10.330	ug/l		100
69) o-Xylene	12.400	106	26004	5.021	ug/l		96
70) Styrene	12.412	104	44380	5.008	ug/l		98
71) Bromoform	12.582	173	9890	5.063	ug/l	#	96
73) Isopropylbenzene	12.694	105	67878	5.146	ug/l		100
74) N-amyl acetate	12.559	43	20096m	4.590	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.935	83	23516	5.262	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	21527m	4.986	ug/l		
77) Bromobenzene	12.976	156	15485	5.119	ug/l		92
78) n-propylbenzene	13.035	91	83781	5.226	ug/l		99
79) 2-Chlorotoluene	13.124	91	49297	5.128	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	55961	5.139	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.741	75	9234	4.939	ug/l		94
82) 4-Chlorotoluene	13.223	91	49924	5.132	ug/l		100
83) tert-Butylbenzene	13.435	119	50874	5.103	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	56525	5.176	ug/l		100
85) sec-Butylbenzene	13.618	105	74711	5.161	ug/l		99
86) p-Isopropyltoluene	13.729	119	62016	5.182	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	30949	5.200	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	32342	5.330	ug/l		96
89) n-Butylbenzene	14.053	91	59601	5.142	ug/l		99
90) Hexachloroethane	14.335	117	9725	4.794	ug/l		95
91) 1,2-Dichlorobenzene	14.106	146	29897	5.228	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5731	5.363	ug/l		93
93) 1,2,4-Trichlorobenzene	15.394	180	18778	5.143	ug/l		99
94) Hexachlorobutadiene	15.500	225	7072	5.199	ug/l		99
95) Naphthalene	15.641	128	67481	4.965	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	18262	5.034	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

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

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

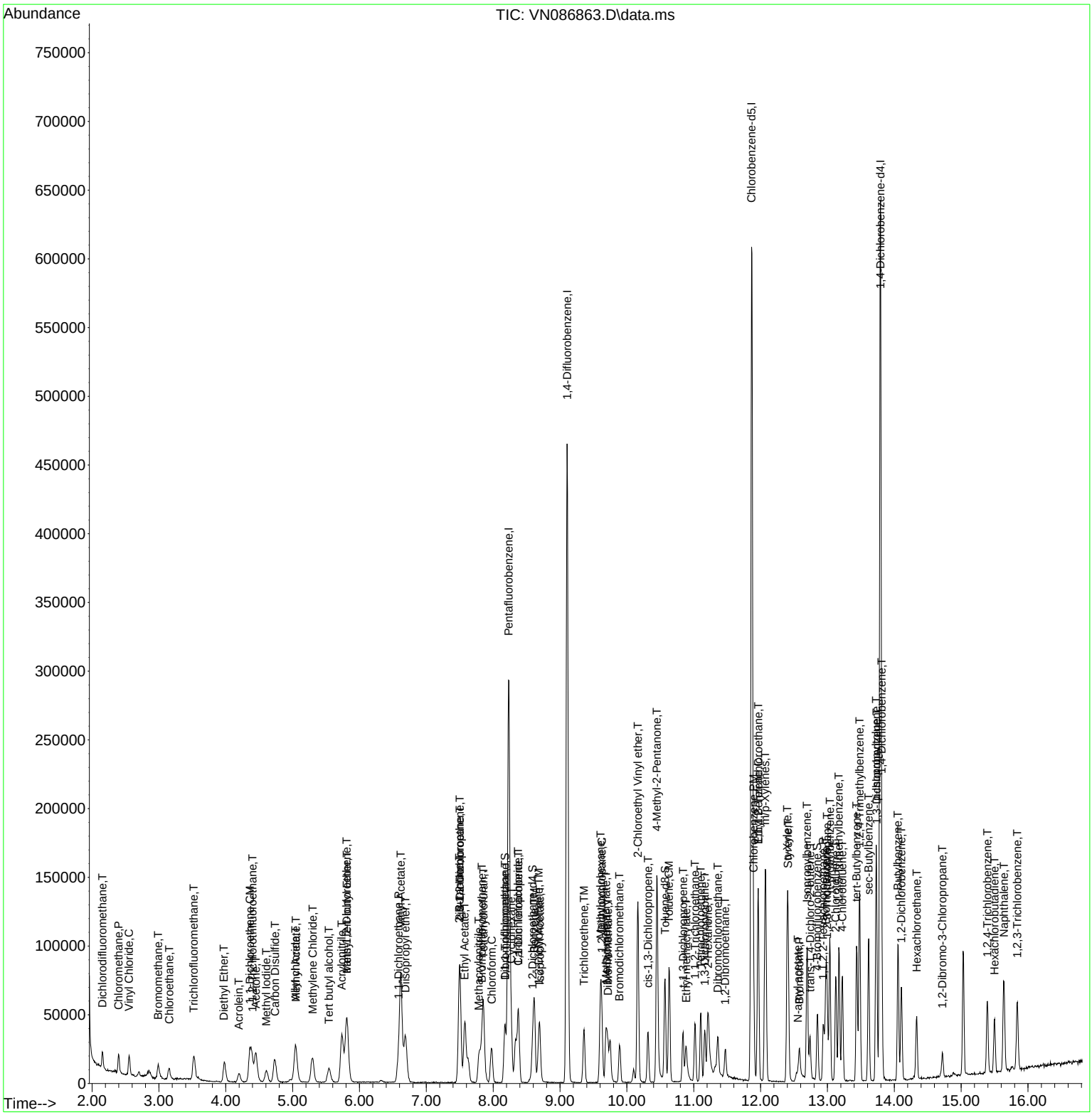
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

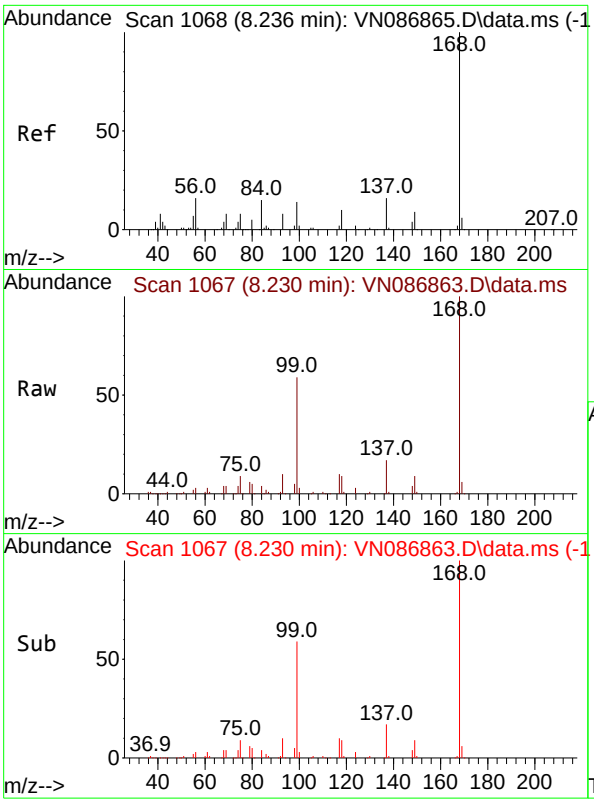
Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

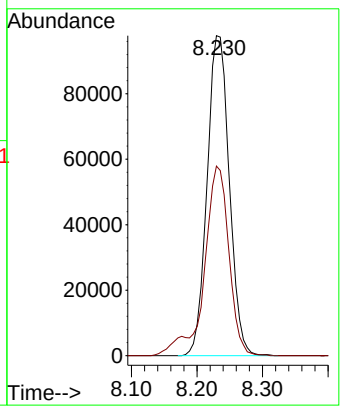




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:168 Resp: 22970

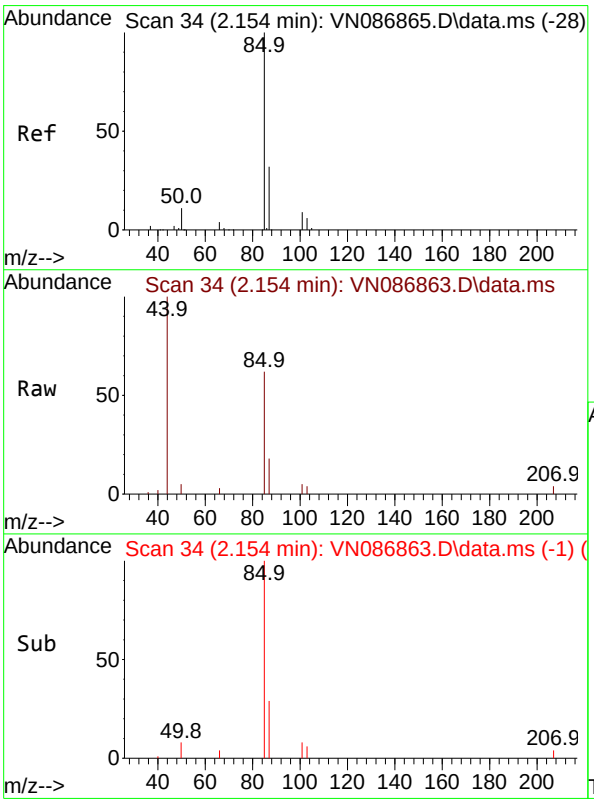
Ion	Ratio	Lower	Upper
168	100		
99	59.2	49.1	73.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

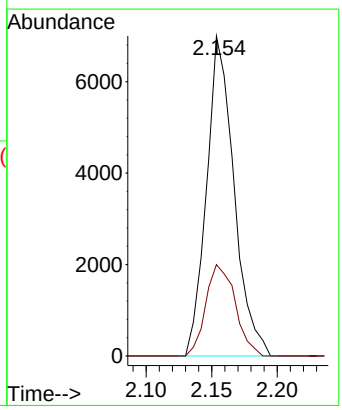
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

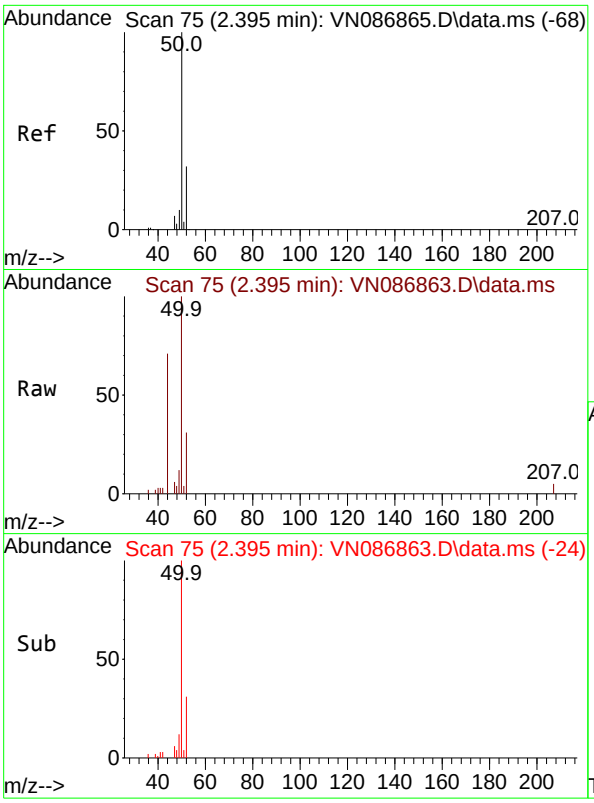


#2
Dichlorodifluoromethane
Concen: 4.452 ug/l
RT: 2.154 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 85 Resp: 10196

Ion	Ratio	Lower	Upper
85	100		
87	28.6	16.2	48.6

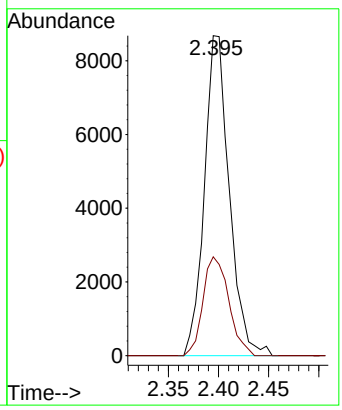




#3
Chloromethane
Concen: 5.080 ug/l
RT: 2.395 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 50 Resp: 1502

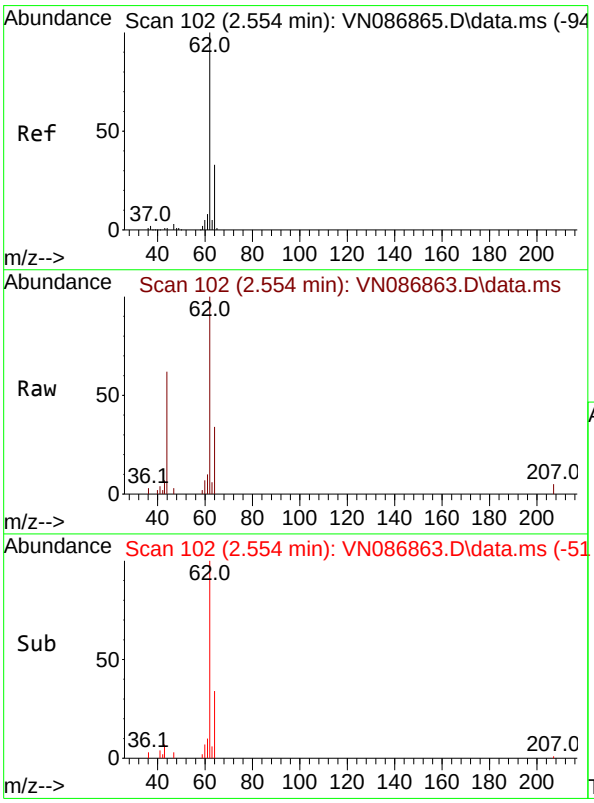
Ion	Ratio	Lower	Upper
50	100		
52	30.9	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

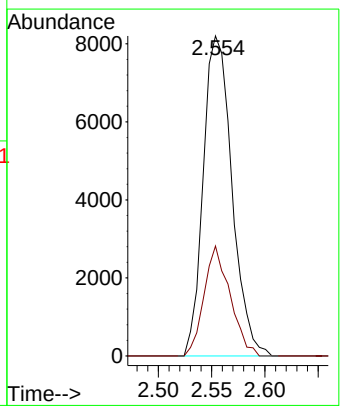
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

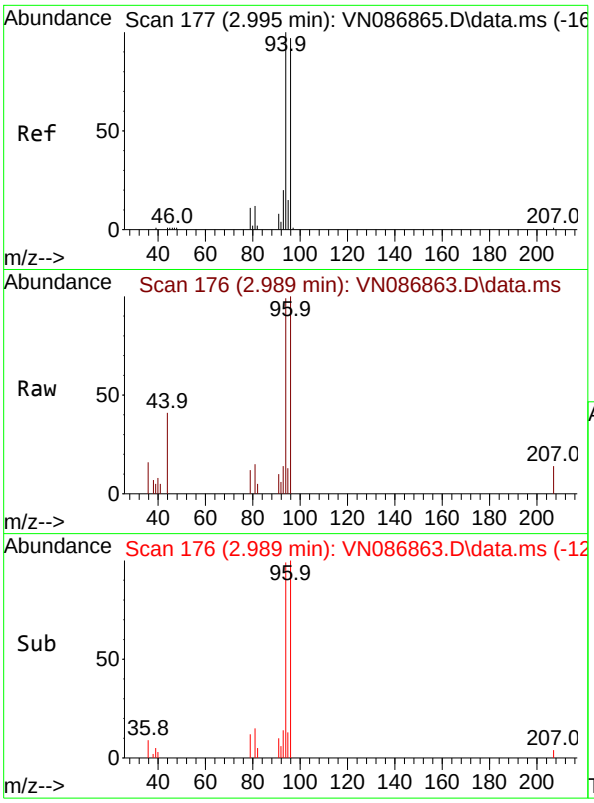


#4
Vinyl Chloride
Concen: 5.043 ug/l
RT: 2.554 min Scan# 102
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 62 Resp: 15384

Ion	Ratio	Lower	Upper
62	100		
64	34.3	26.0	39.0

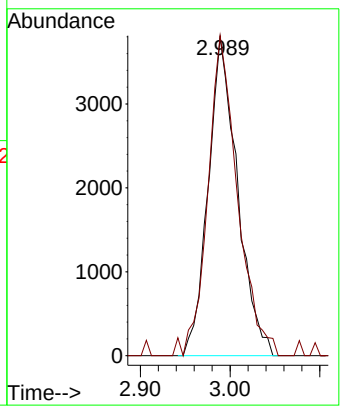




#5
Bromomethane
Concen: 5.041 ug/l
RT: 2.989 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 94 Resp: 860

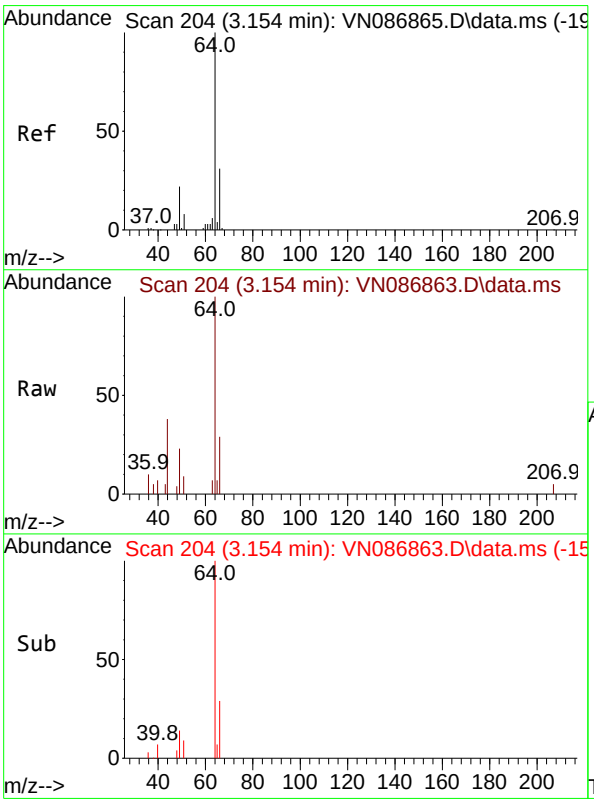
Ion	Ratio	Lower	Upper
94	100		
96	100.6	77.9	116.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

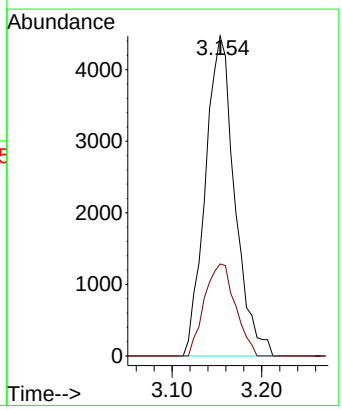
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

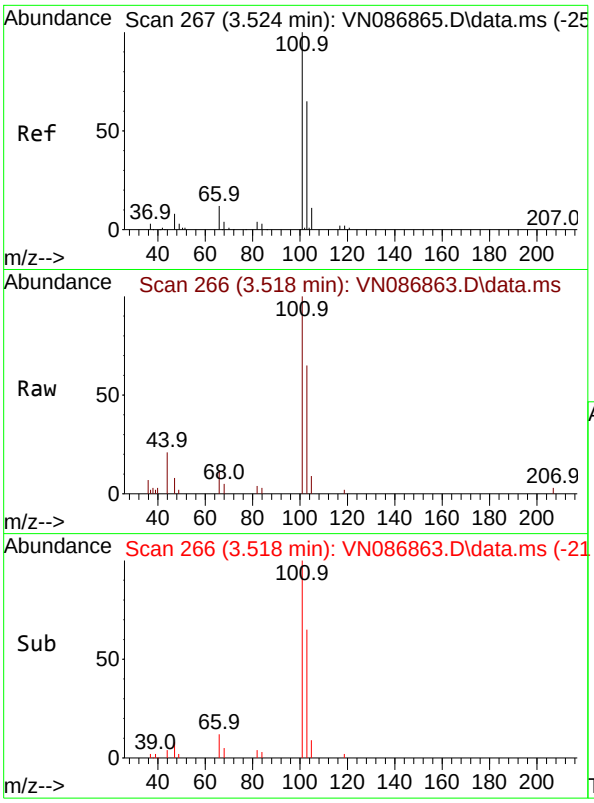


#6
Chloroethane
Concen: 5.171 ug/l
RT: 3.154 min Scan# 204
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 64 Resp: 10190

Ion	Ratio	Lower	Upper
64	100		
66	28.8	24.6	36.8

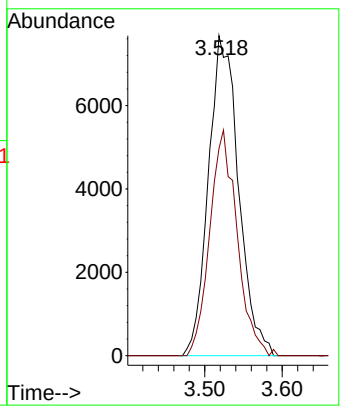




#7
Trichlorofluoromethane
Concen: 5.203 ug/l
RT: 3.518 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:101 Resp: 2074

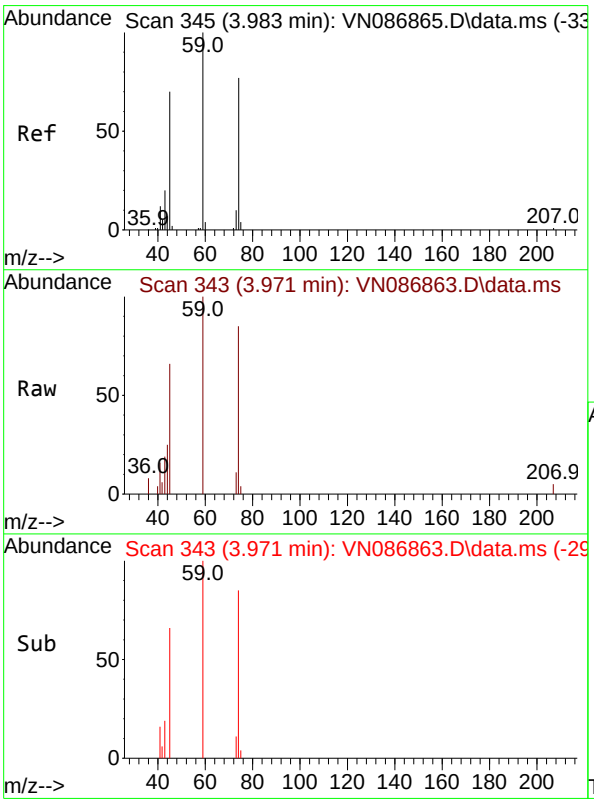
Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.2	78.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

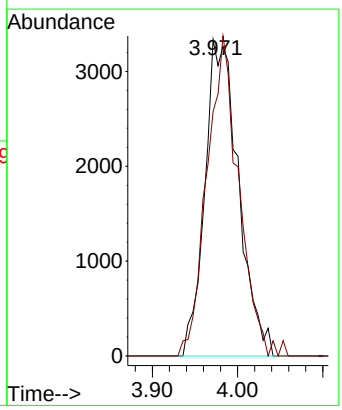
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

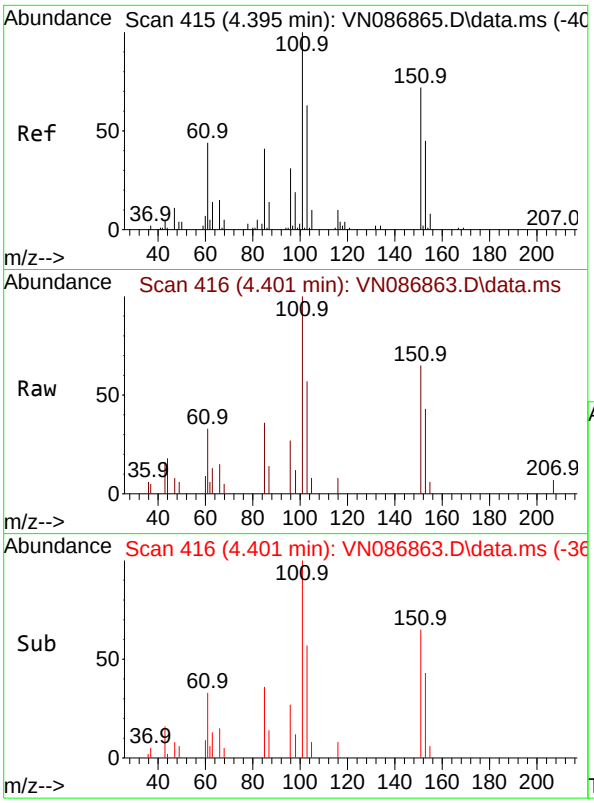


#8
Diethyl Ether
Concen: 5.252 ug/l
RT: 3.971 min Scan# 343
Delta R.T. -0.012 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 74 Resp: 9121

Ion	Ratio	Lower	Upper
74	100		
45	95.8	45.5	136.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.205 ug/l
RT: 4.401 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

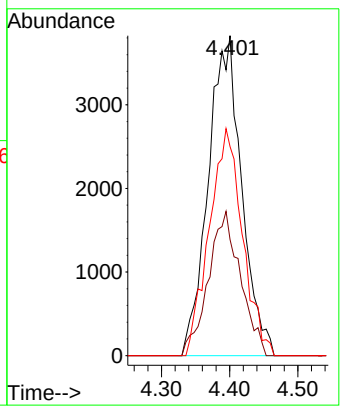
Tgt Ion:101 Resp: 1303

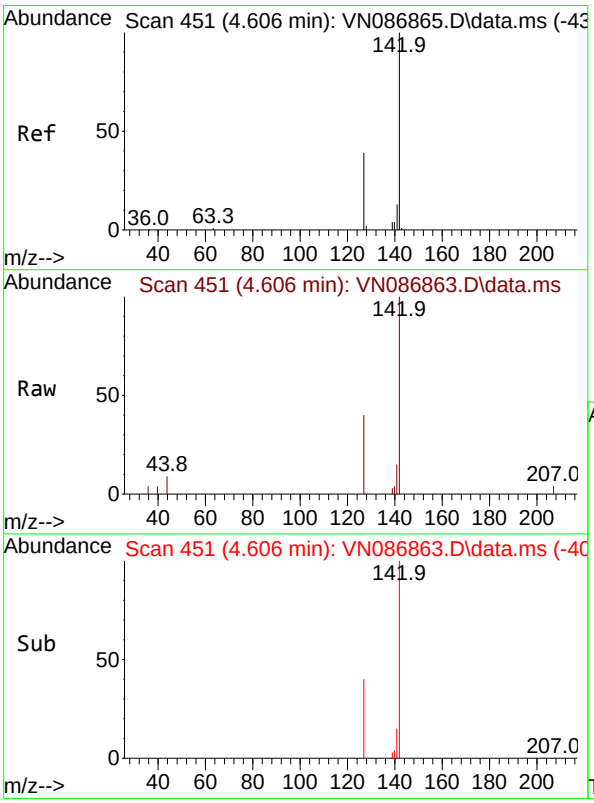
Ion	Ratio	Lower	Upper
101	100		
85	43.3	33.8	50.8
151	70.8	58.7	88.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

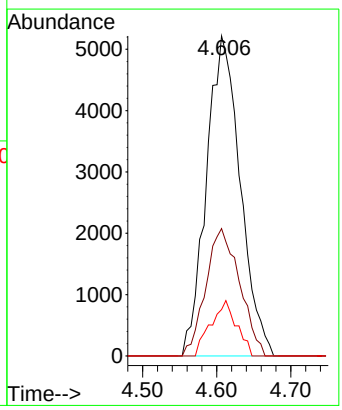


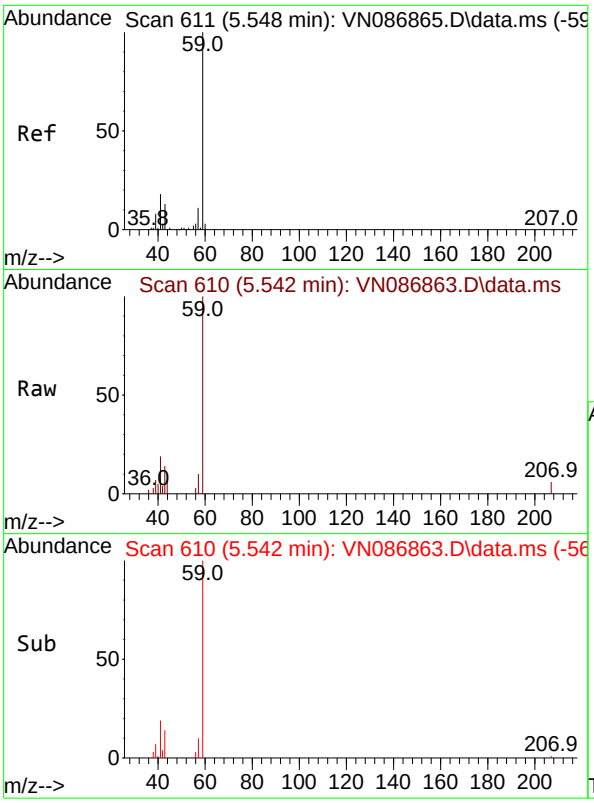


#10
Methyl Iodide
Concen: 5.092 ug/l
RT: 4.606 min Scan# 451
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:142 Resp: 16530

Ion	Ratio	Lower	Upper
142	100		
127	39.8	30.9	46.3
141	14.5	10.4	15.6





#11
Tert butyl alcohol
Concen: 26.363 ug/l
RT: 5.542 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

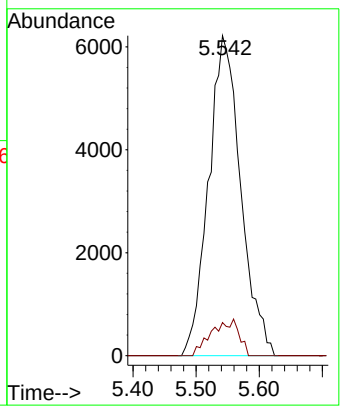
Tgt Ion: 59 Resp: 2200

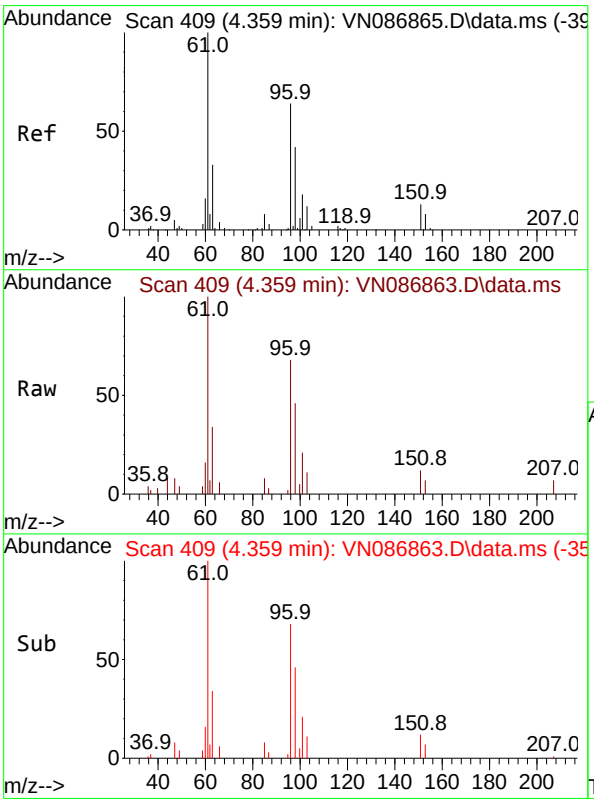
Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.1	12.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

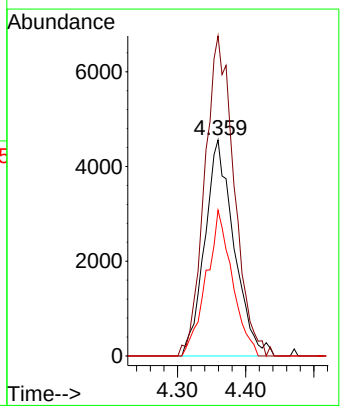


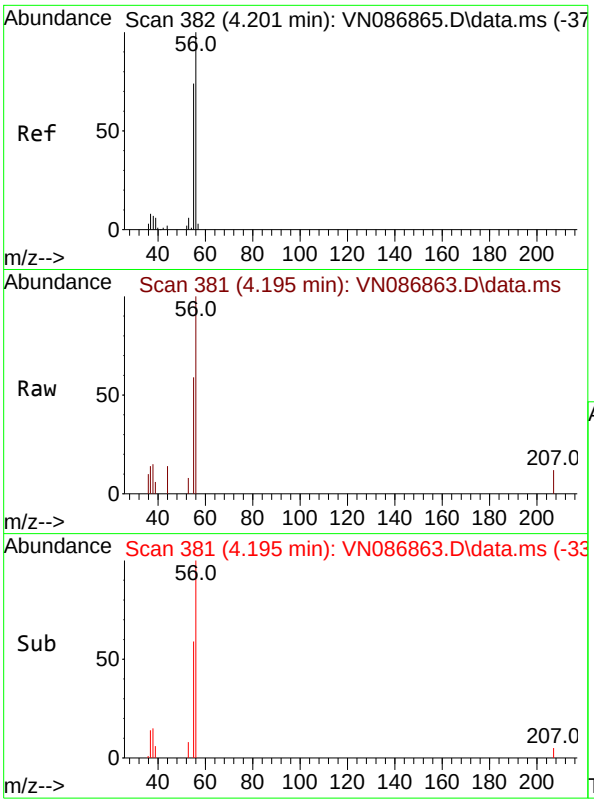


#12
1,1-Dichloroethene
Concen: 5.323 ug/l
RT: 4.359 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 96 Resp: 13610

Ion	Ratio	Lower	Upper
96	100		
61	148.1	125.8	188.6
98	67.5	52.5	78.7

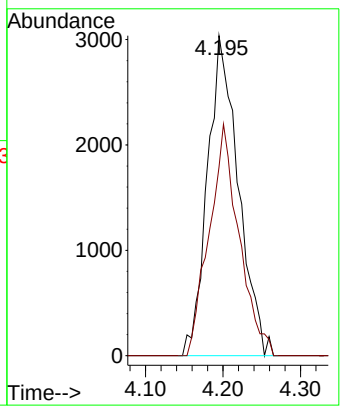




#13
Acrolein
Concen: 31.804 ug/l
RT: 4.195 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 56 Resp: 840

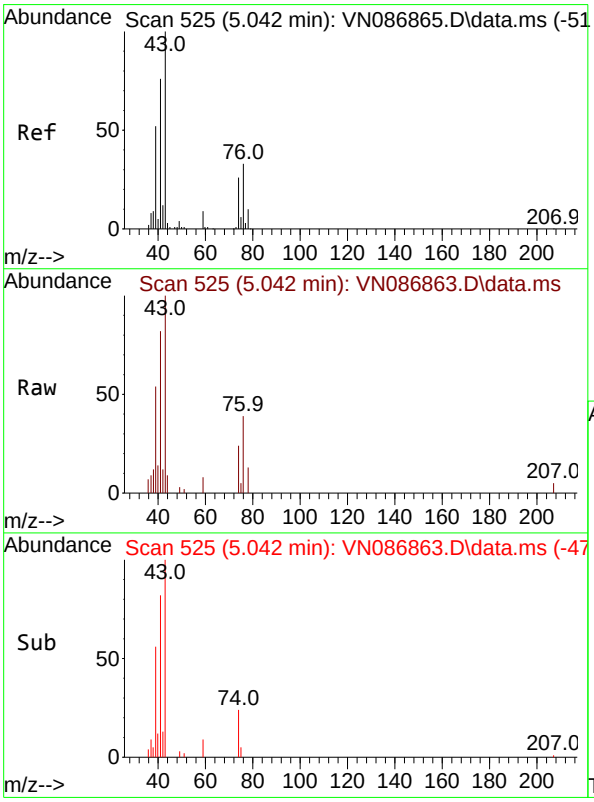
Ion	Ratio	Lower	Upper
56	100		
55	70.2	55.6	83.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

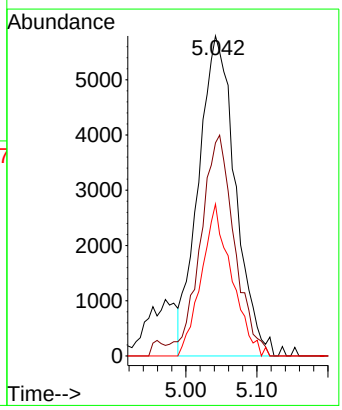
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

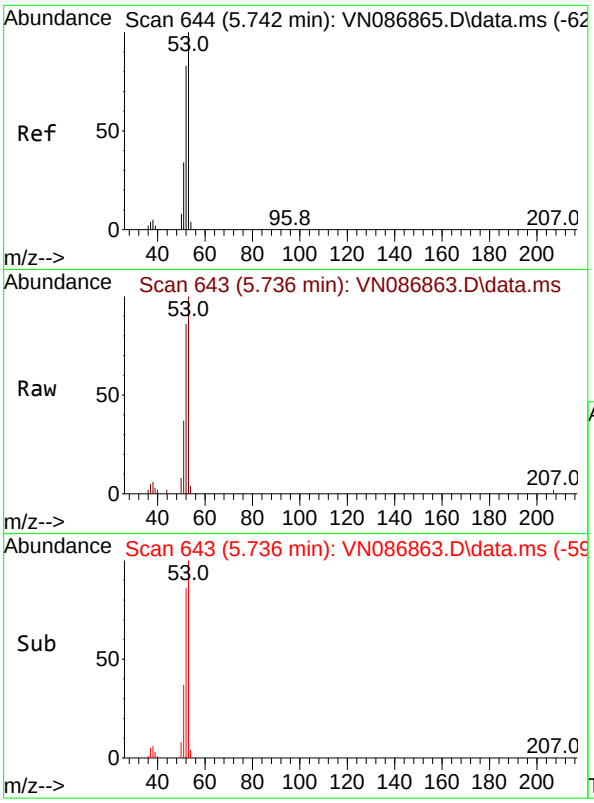


#14
Allyl chloride
Concen: 4.935 ug/l
RT: 5.042 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 41 Resp: 20925

Ion	Ratio	Lower	Upper
41	100		
39	63.2	51.3	76.9
76	39.0	31.4	47.0

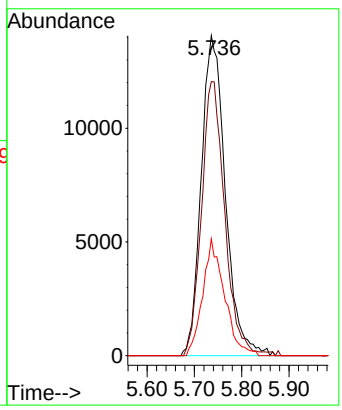




#15
Acrylonitrile
Concen: 25.545 ug/l
RT: 5.736 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 53 Resp: 4982

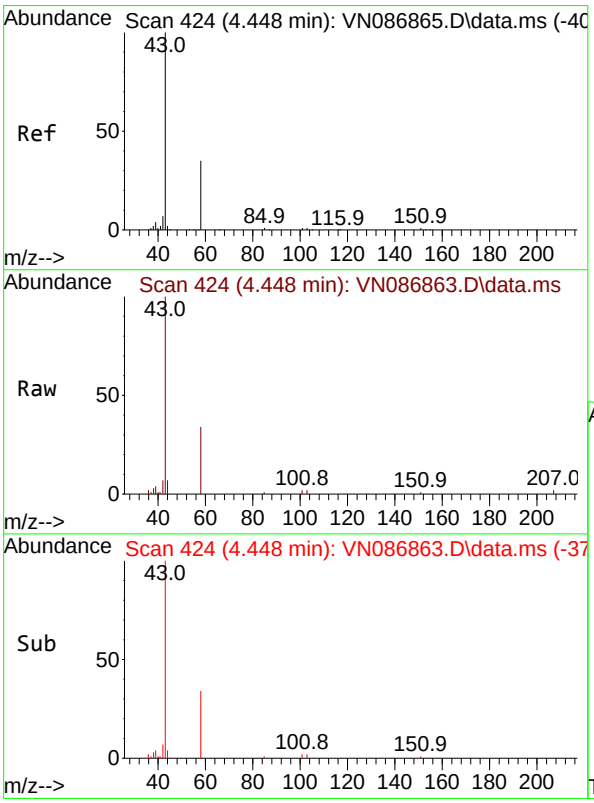
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.0	97.6
51	32.9	27.2	40.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

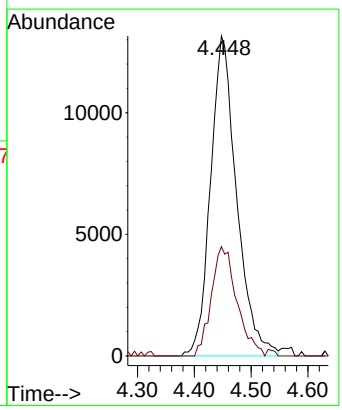
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

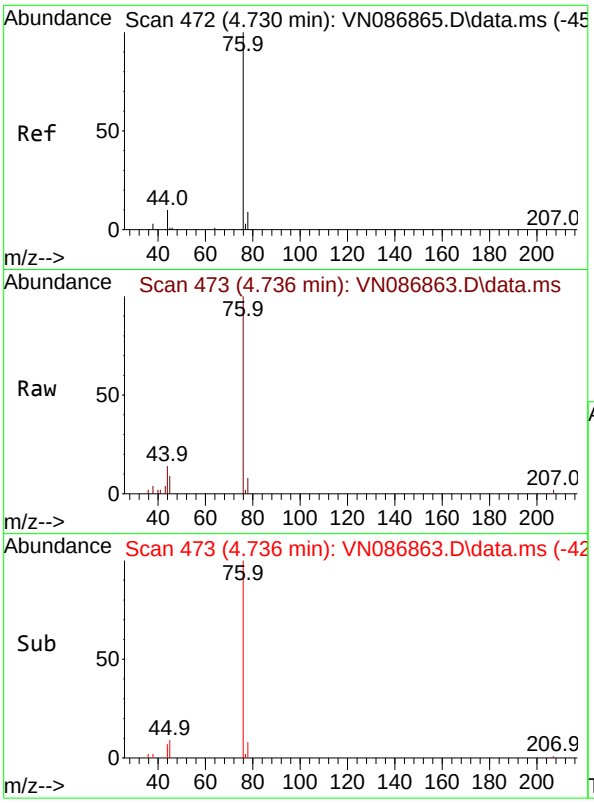


#16
Acetone
Concen: 25.741 ug/l
RT: 4.448 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 43 Resp: 41981

Ion	Ratio	Lower	Upper
43	100		
58	34.1	28.0	42.0

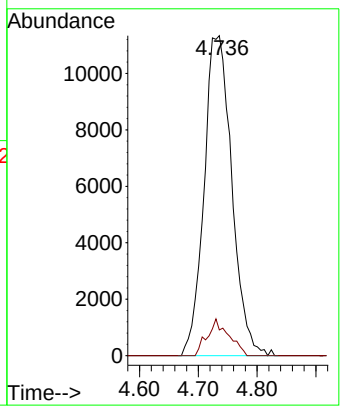




#17
Carbon Disulfide
Concen: 5.267 ug/l
RT: 4.736 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 76 Resp: 3724

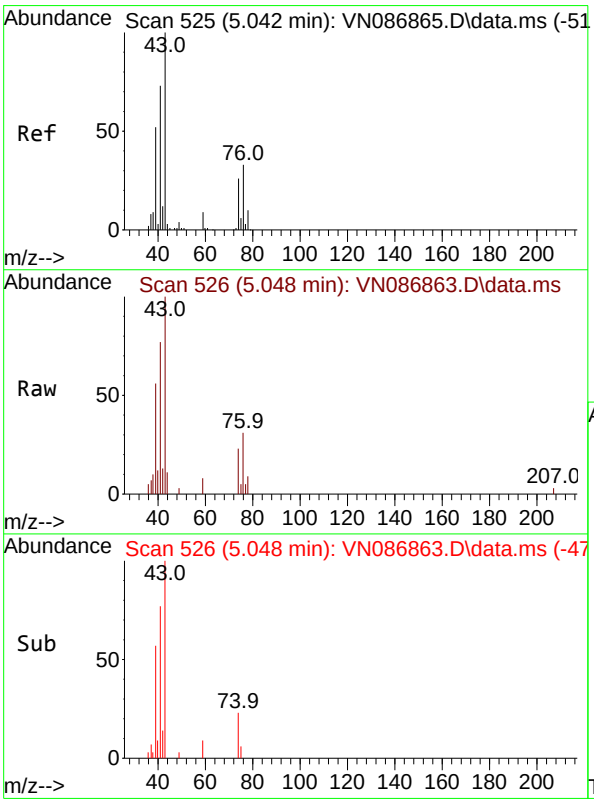
Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

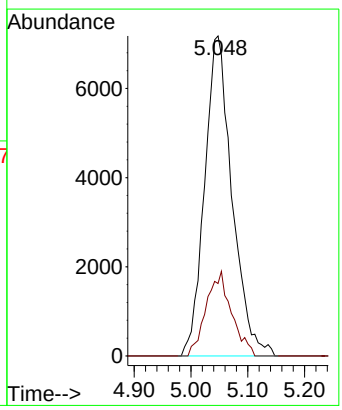
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

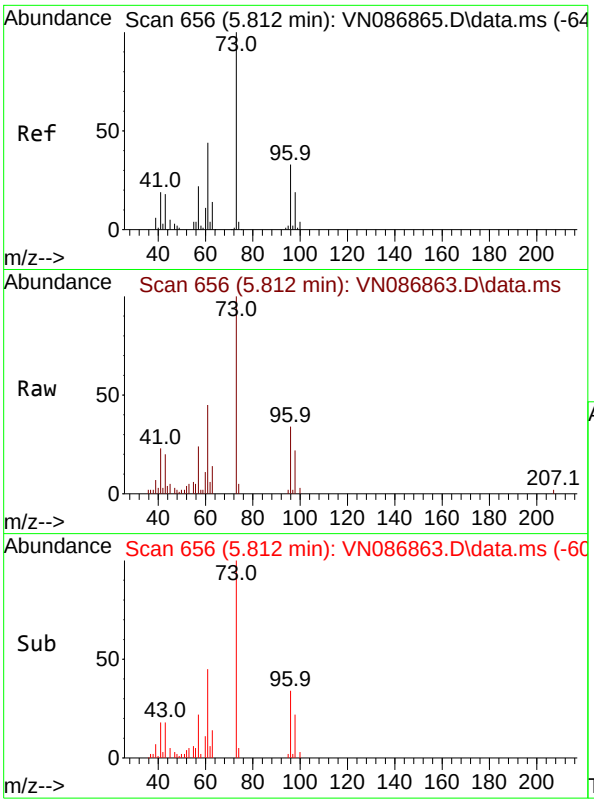


#18
Methyl Acetate
Concen: 5.070 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 43 Resp: 24096

Ion	Ratio	Lower	Upper
43	100		
74	24.4	20.7	31.1

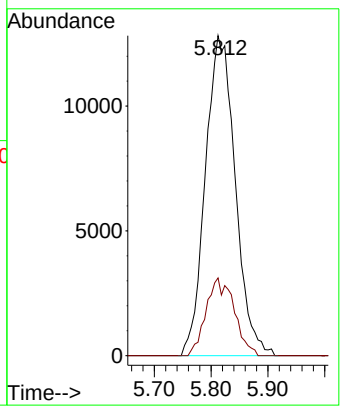




#19
Methyl tert-butyl Ether
Concen: 5.058 ug/l
RT: 5.812 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 73 Resp: 4682

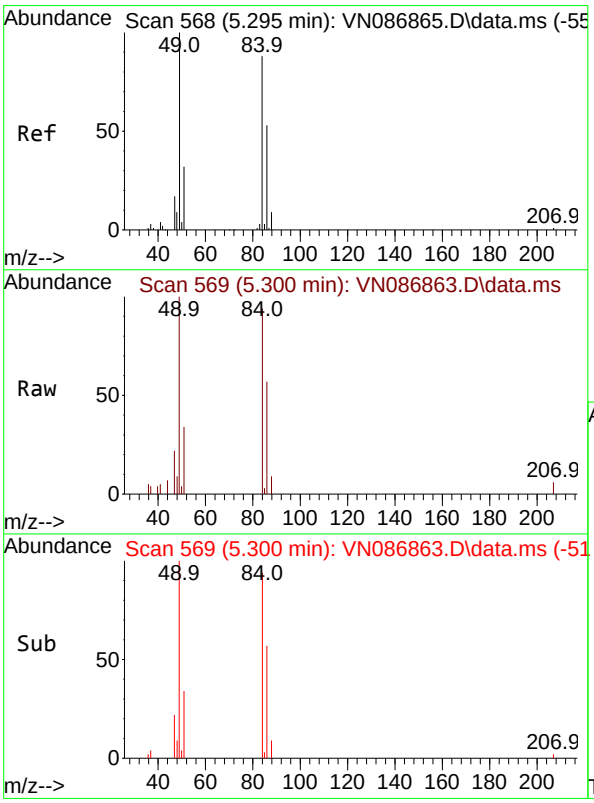
Ion	Ratio	Lower	Upper
73	100		
57	24.3	17.4	26.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

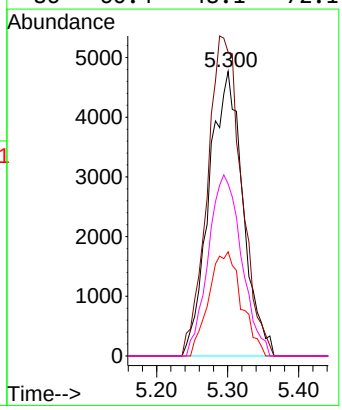
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

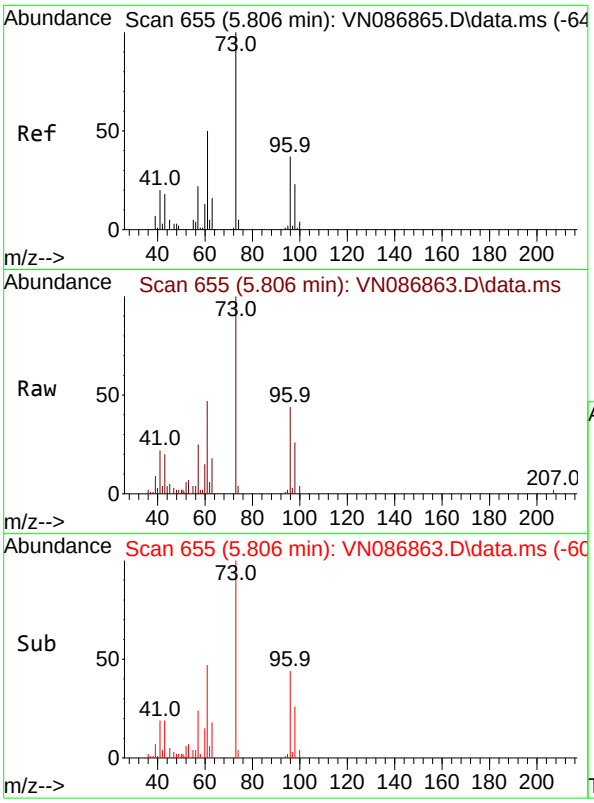


#20
Methylene Chloride
Concen: 5.178 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 84 Resp: 15809

Ion	Ratio	Lower	Upper
84	100		
49	106.8	90.5	135.7
51	36.6	28.5	42.7
86	60.4	48.1	72.1

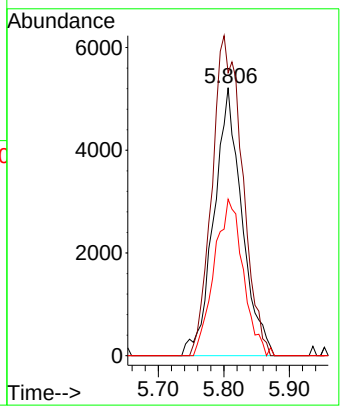




#21
trans-1,2-Dichloroethene
Concen: 5.442 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 96 Resp: 1548

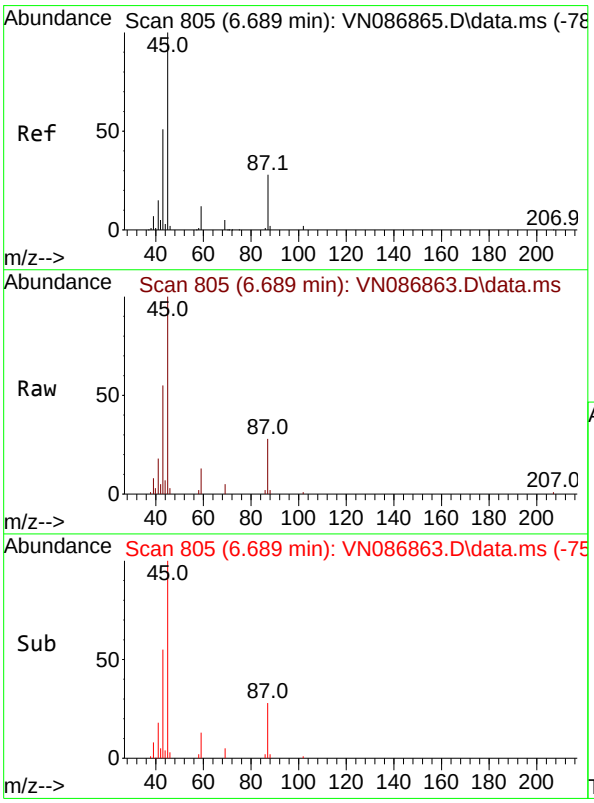
Ion	Ratio	Lower	Upper
96	100		
61	105.6	109.2	163.8
98	58.4	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

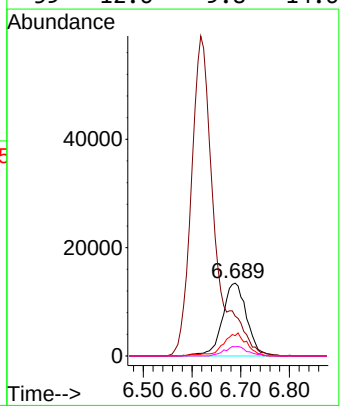
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

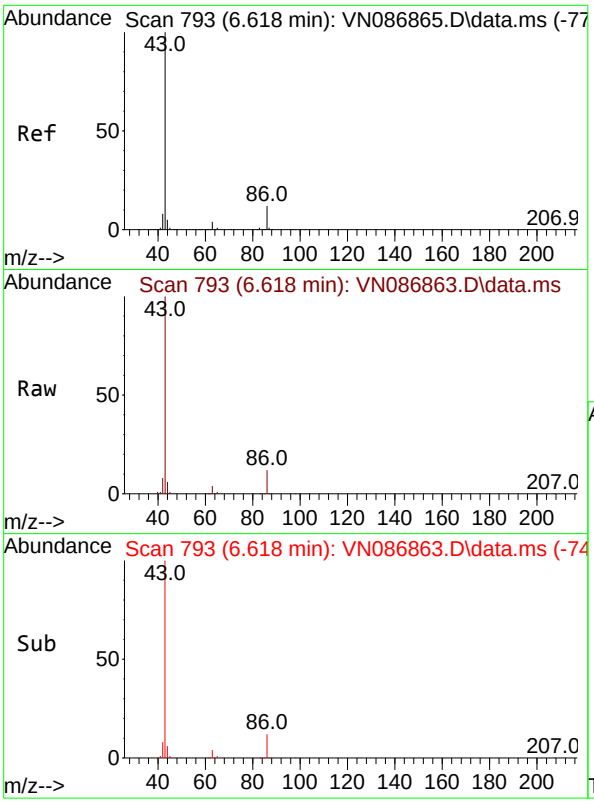


#22
Diisopropyl ether
Concen: 5.191 ug/l
RT: 6.689 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 45 Resp: 46396

Ion	Ratio	Lower	Upper
45	100		
43	53.2	41.9	62.9
87	27.9	22.4	33.6
59	12.6	9.8	14.6

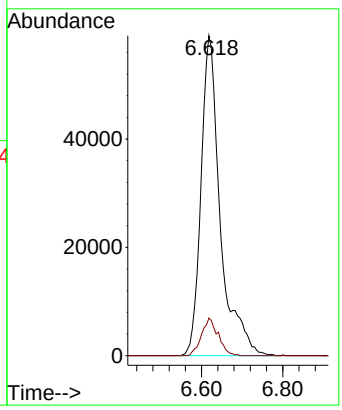




#23
Vinyl Acetate
Concen: 25.735 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 43 Resp: 19433

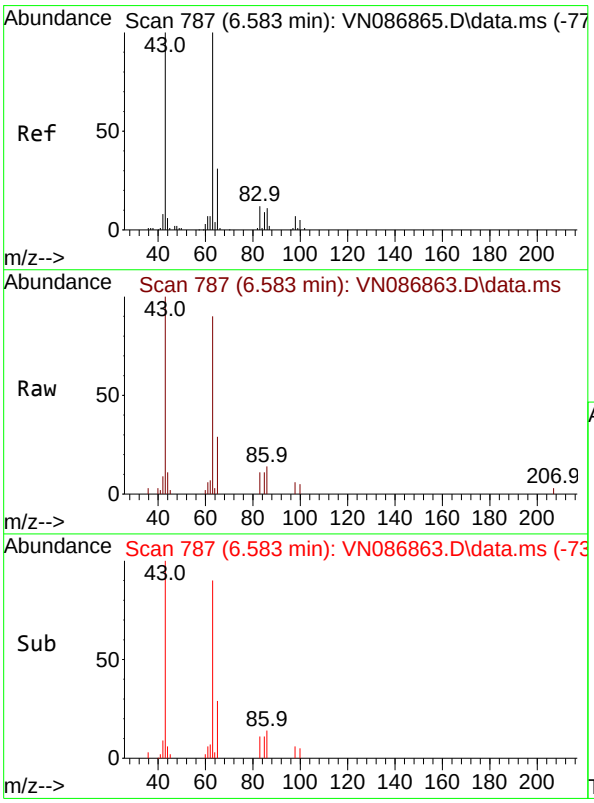
Ion	Ratio	Lower	Upper
43	100		
86	11.8	9.5	14.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

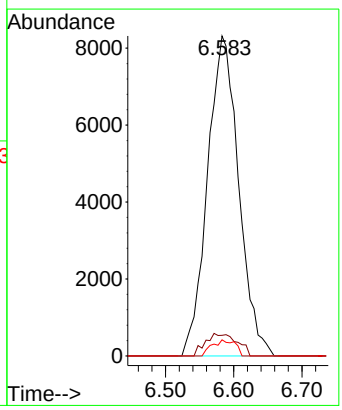
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

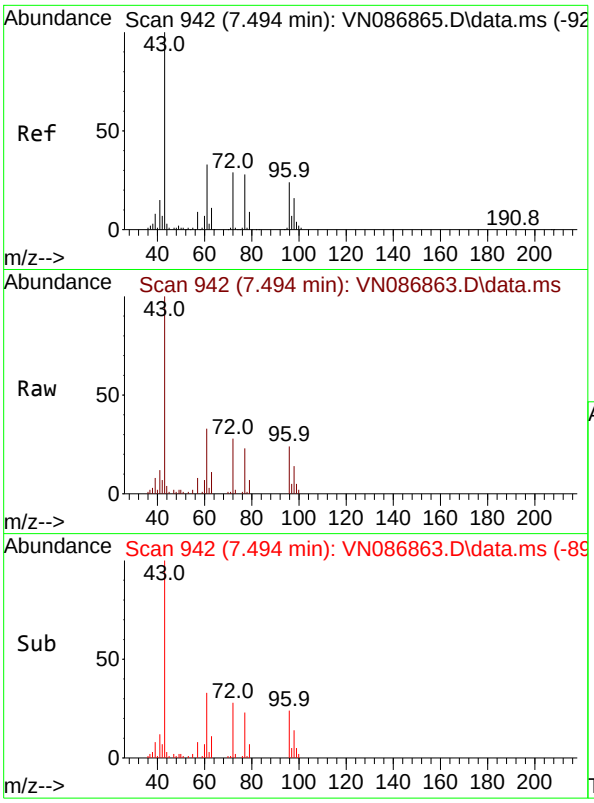


#24
1,1-Dichloroethane
Concen: 5.147 ug/l
RT: 6.583 min Scan# 787
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 63 Resp: 26473

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.6	10.8
100	5.1	2.6	7.8





#25
2-Butanone
Concen: 25.888 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

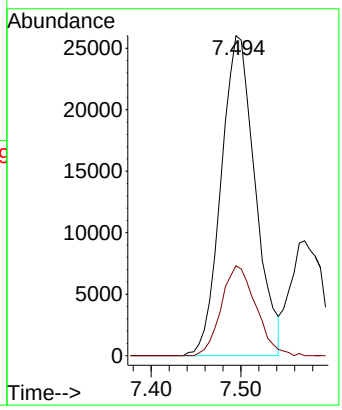
Tgt Ion: 43 Resp: 6862

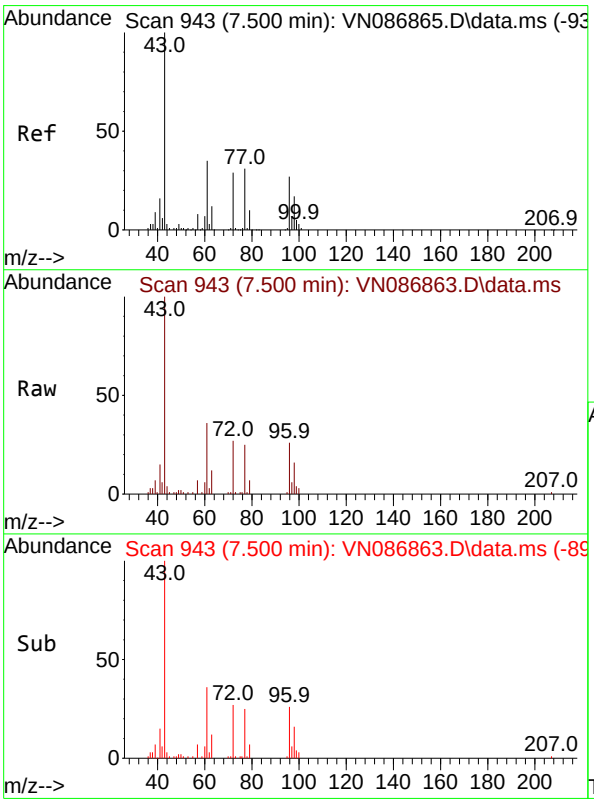
Ion	Ratio	Lower	Upper
43	100		
72	28.1	23.0	34.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

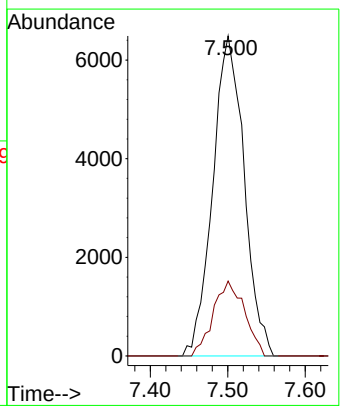


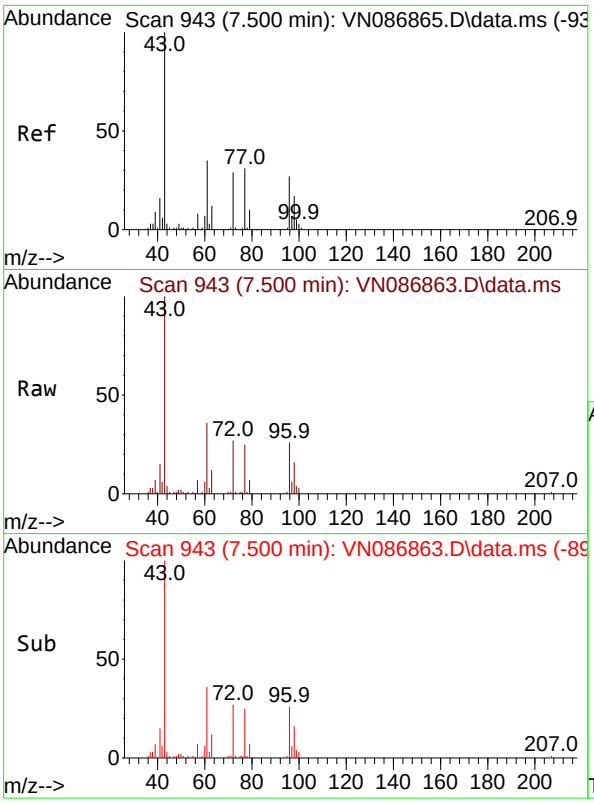


#26
2,2-Dichloropropane
Concen: 4.571 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 77 Resp: 18288

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.6	34.7

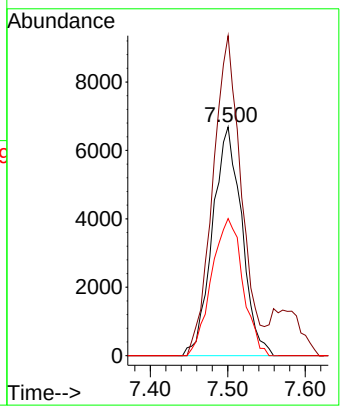




#27
cis-1,2-Dichloroethene
Concen: 5.172 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 96 Resp: 1759

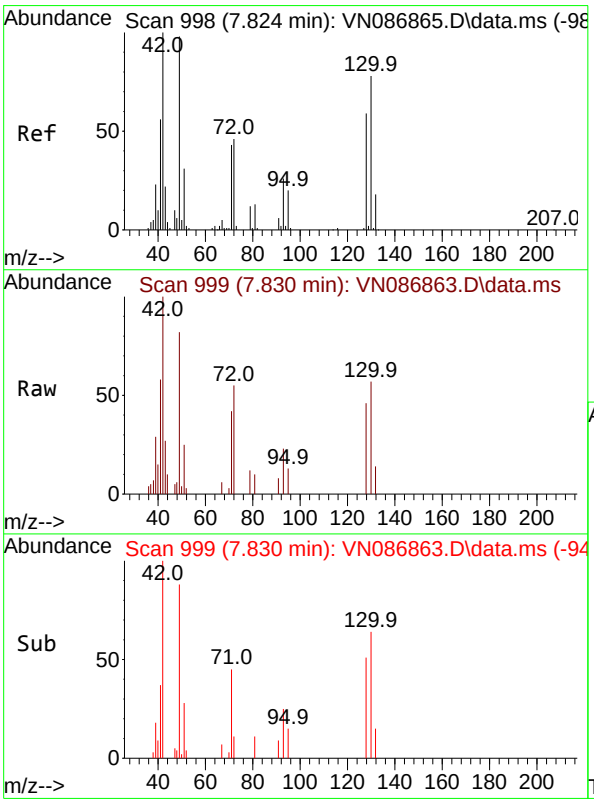
Ion	Ratio	Lower	Upper
96	100		
61	136.0	0.0	278.0
98	64.0	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

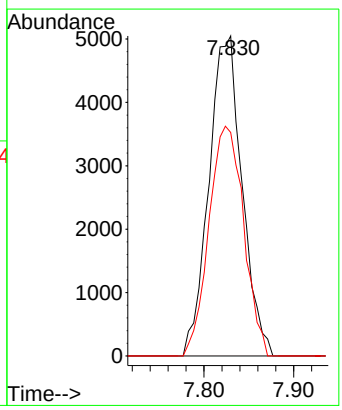
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

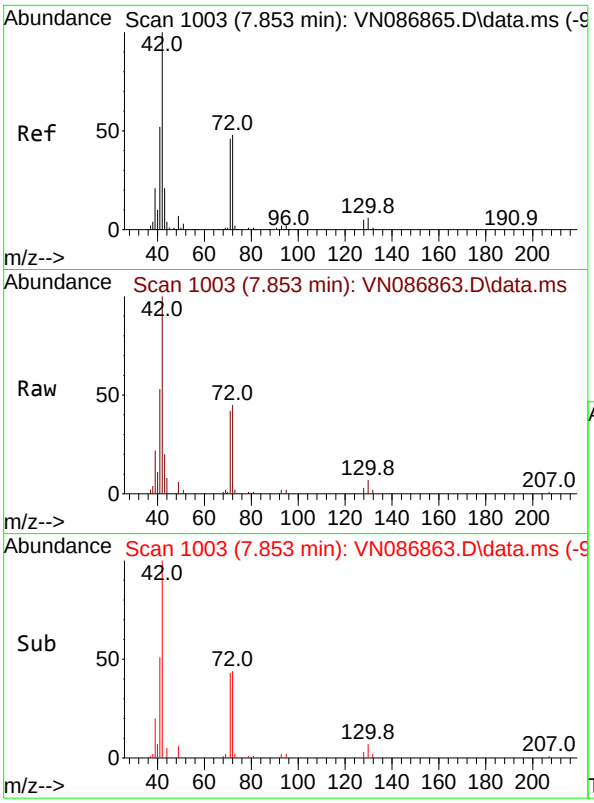


#28
Bromochloromethane
Concen: 5.124 ug/l
RT: 7.830 min Scan# 999
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 49 Resp: 12958

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	75.2	62.2	93.2





#29
Tetrahydrofuran
Concen: 25.912 ug/l
RT: 7.853 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

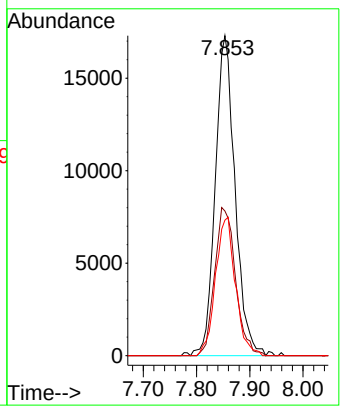
Tgt Ion: 42 Resp: 4474

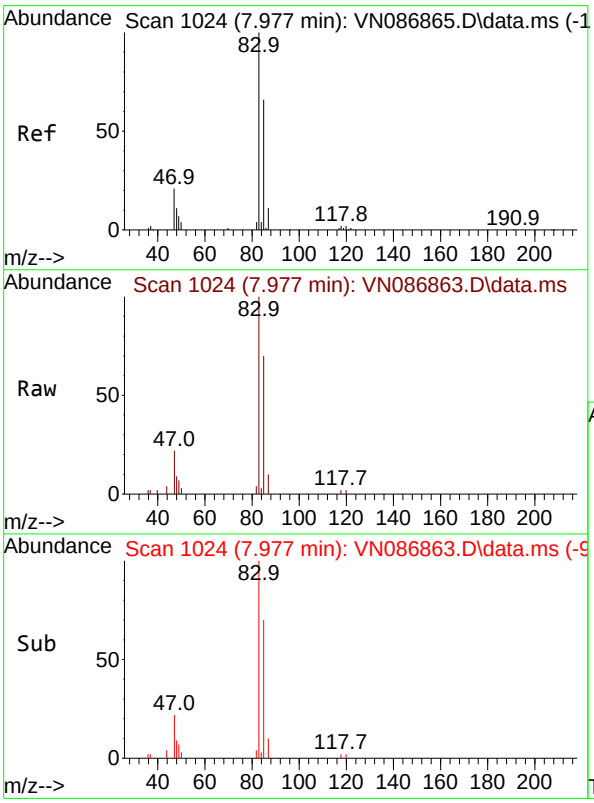
Ion	Ratio	Lower	Upper
42	100		
72	48.6	37.8	56.6
71	43.5	35.6	53.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

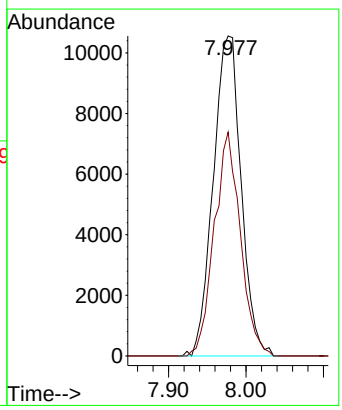


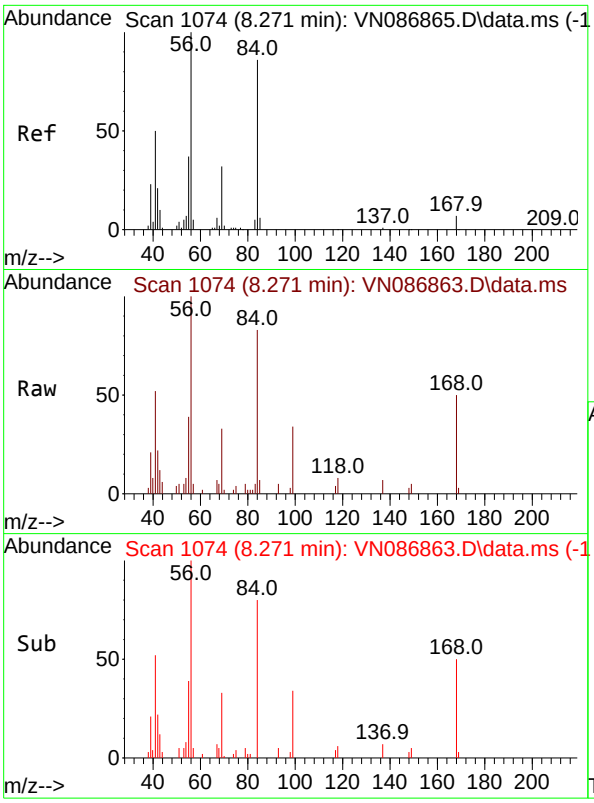


#30
Chloroform
Concen: 5.149 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 83 Resp: 26450

Ion	Ratio	Lower	Upper
83	100		
85	69.9	52.9	79.3





#31
Cyclohexane
Concen: 6.002 ug/l
RT: 8.271 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

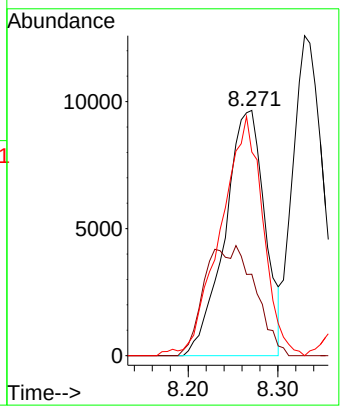
Tgt Ion: 56 Resp: 2993

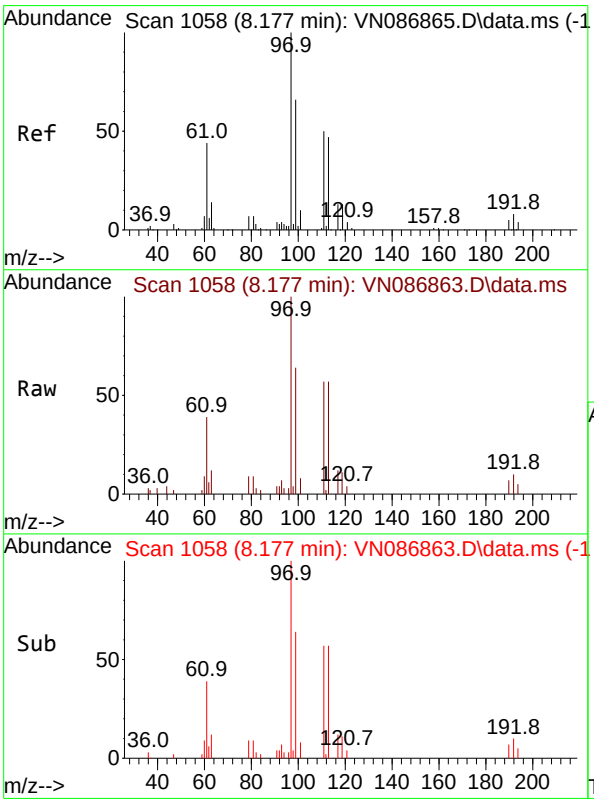
Ion	Ratio	Lower	Upper
56	100		
69	33.2	25.4	38.0
84	81.1	68.8	103.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

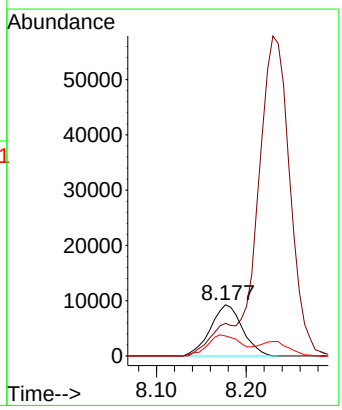


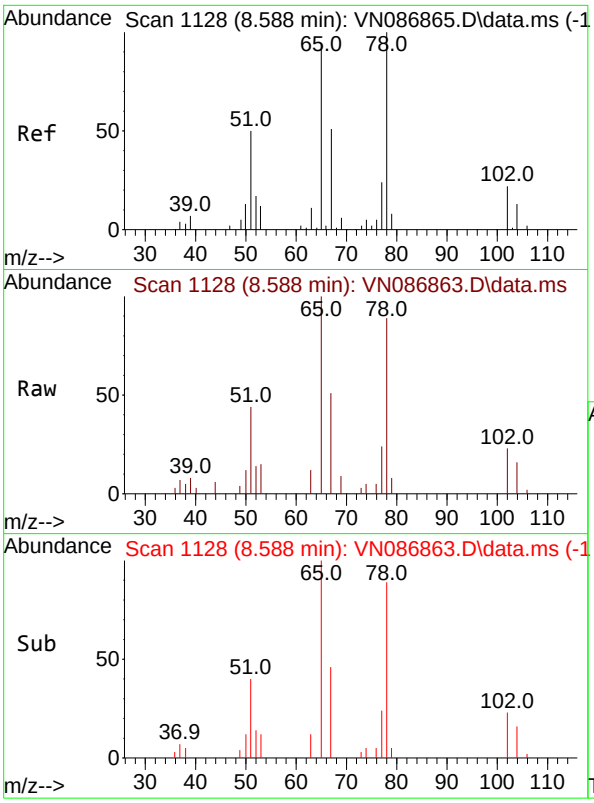


#32
1,1,1-Trichloroethane
Concen: 5.232 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 97 Resp: 22857

Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.0	78.0#
61	42.9	35.9	53.9

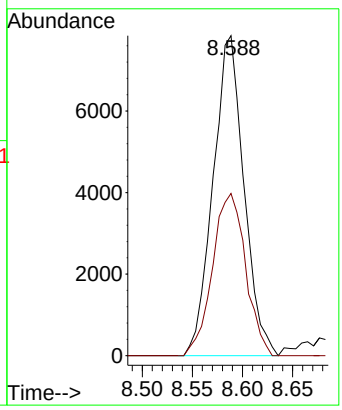




#33
1,2-Dichloroethane-d4
Concen: 5.468 ug/l
RT: 8.588 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 65 Resp: 1681

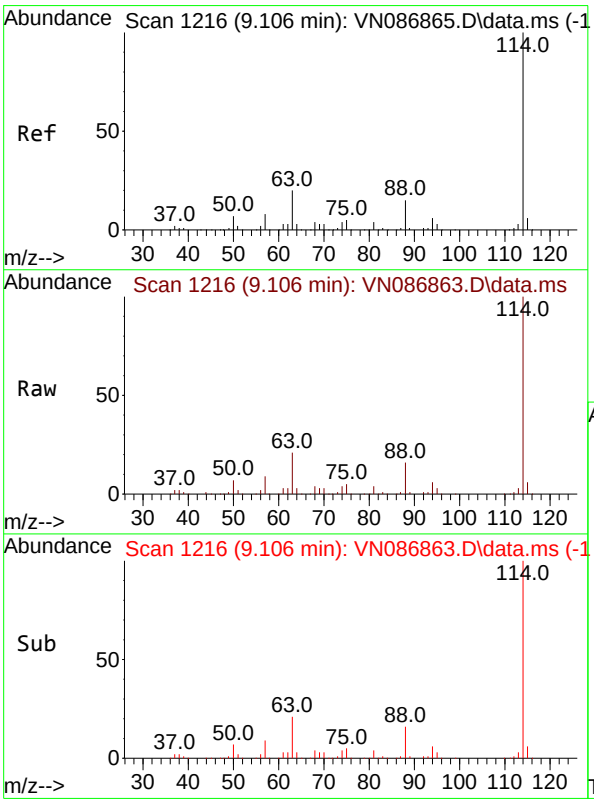
Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	105.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

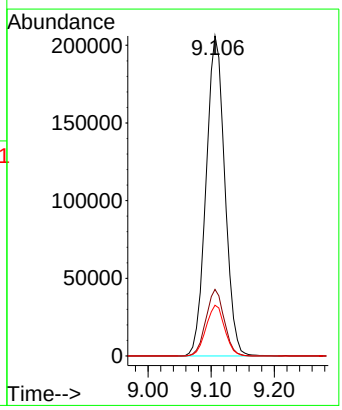
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

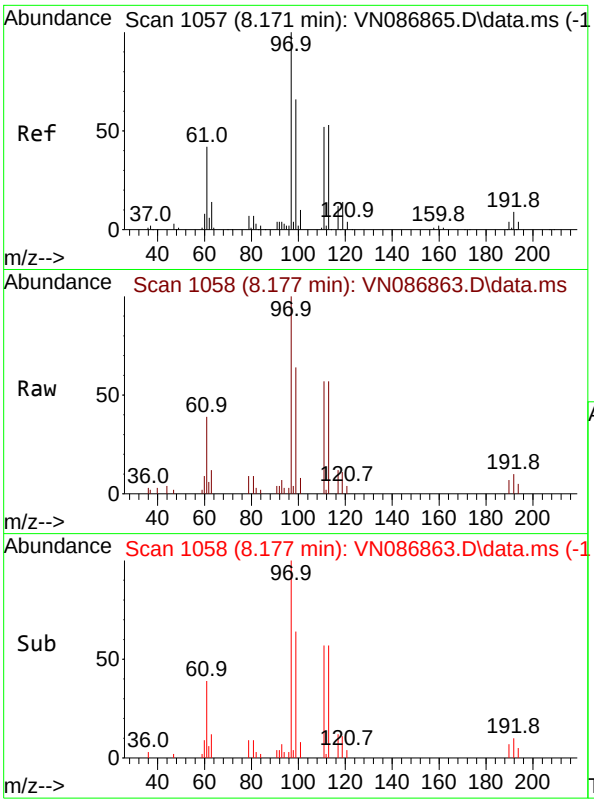


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:114 Resp: 423980

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	39.6
88	15.9	0.0	30.2

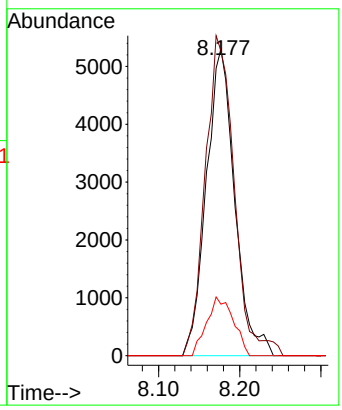




#35
Dibromofluoromethane
Concen: 5.121 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:113 Resp: 1286

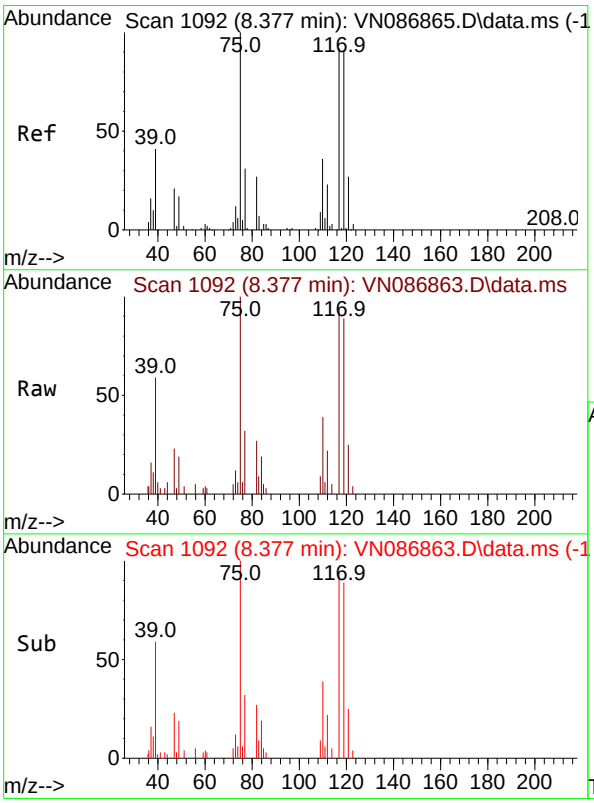
Ion	Ratio	Lower	Upper
113	100		
111	106.5	84.2	126.2
192	18.0	14.2	21.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

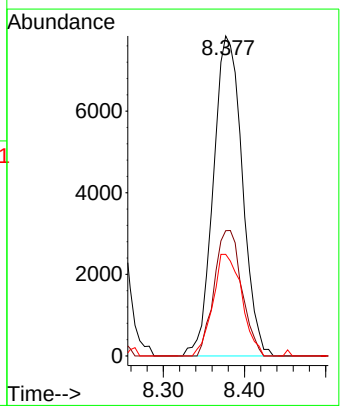
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

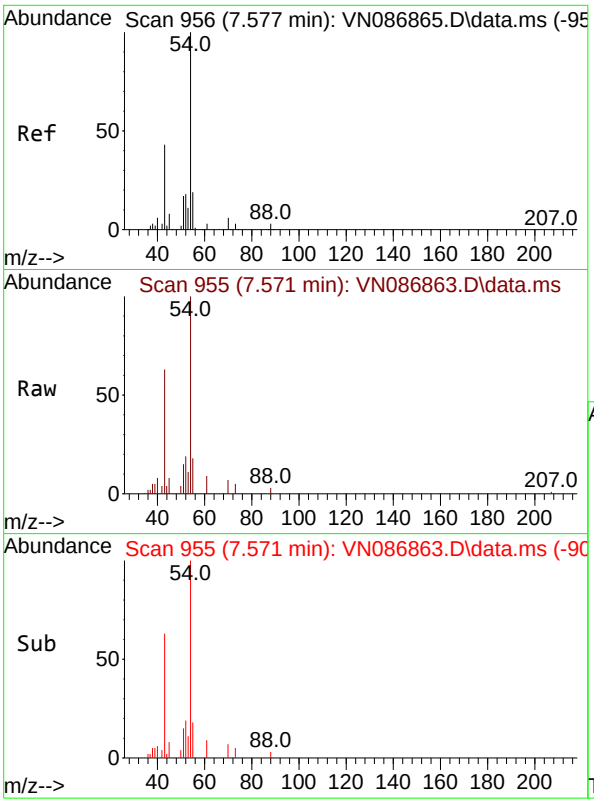


#36
1,1-Dichloropropene
Concen: 5.184 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 75 Resp: 19410

Ion	Ratio	Lower	Upper
75	100		
110	37.4	17.6	52.9
77	31.7	25.3	37.9





#37
Ethyl Acetate
Concen: 5.470 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

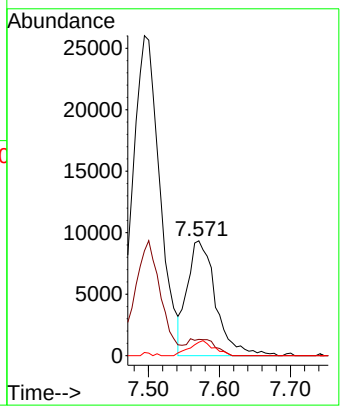
Tgt Ion: 43 Resp: 2607

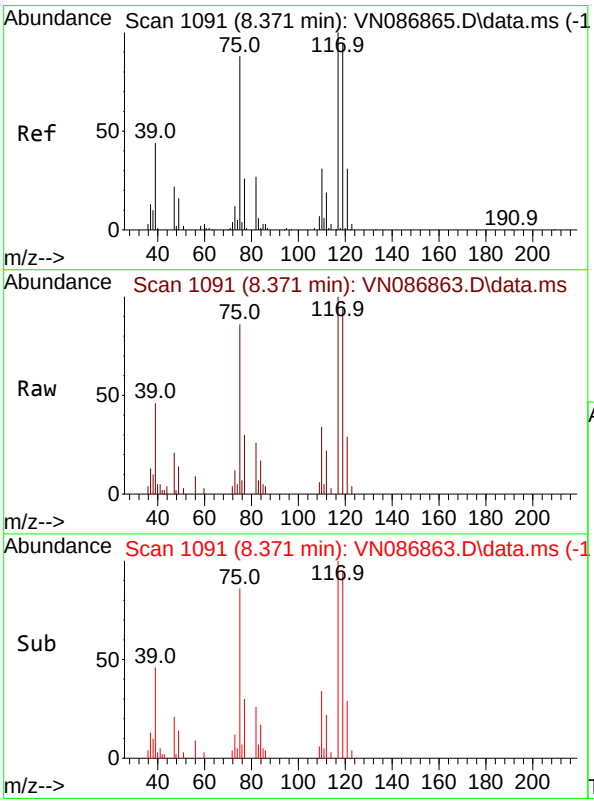
Ion	Ratio	Lower	Upper
43	100		
61	14.1	12.1	18.1
70	10.9	9.8	14.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

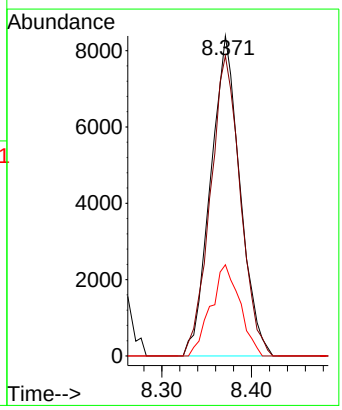


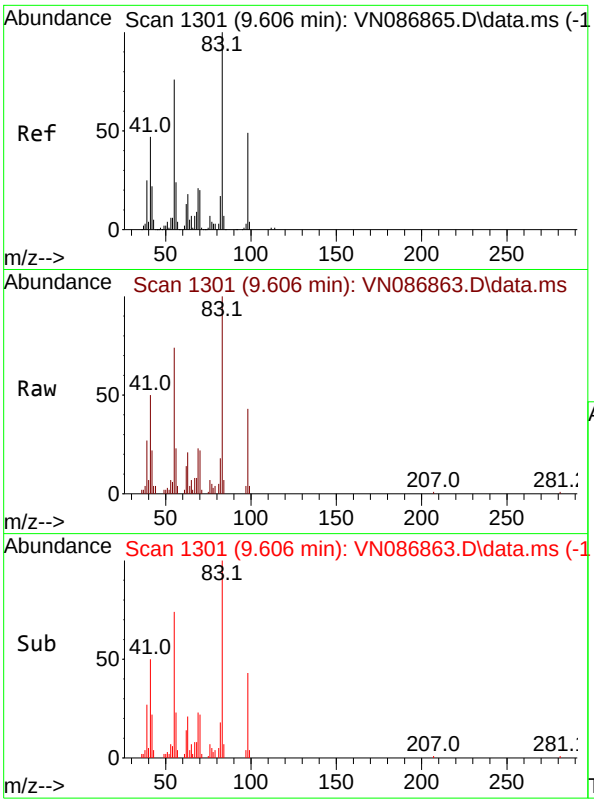


#38
Carbon Tetrachloride
Concen: 5.184 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:117 Resp: 19056

Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.0	112.6
121	28.5	24.9	37.3





#39
Methylcyclohexane
Concen: 5.333 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

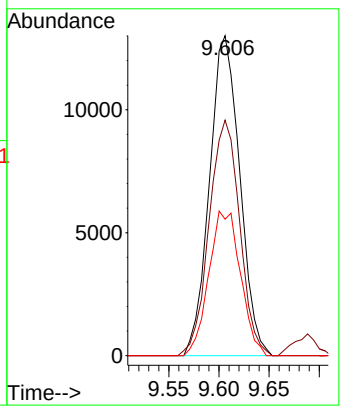
Tgt Ion: 83 Resp: 2735

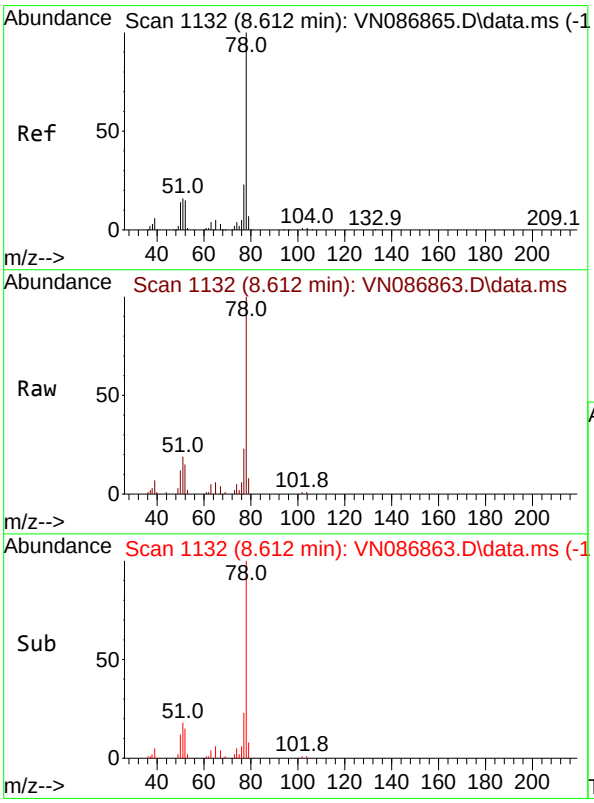
Ion	Ratio	Lower	Upper
83	100		
55	73.6	61.0	91.6
98	42.6	38.9	58.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

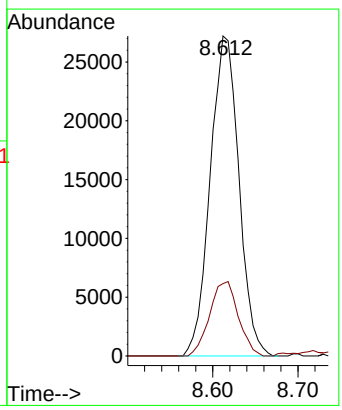


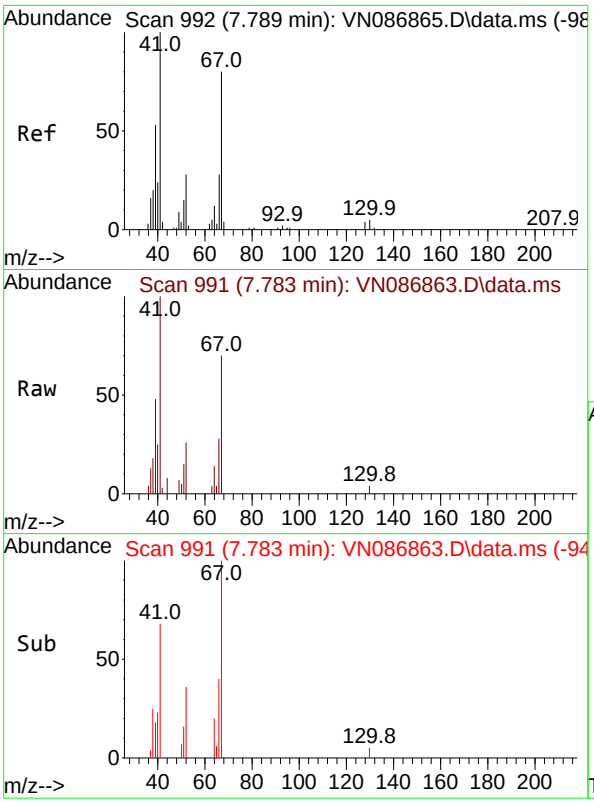


#40
Benzene
Concen: 5.199 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 78 Resp: 63646

Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.7	28.1

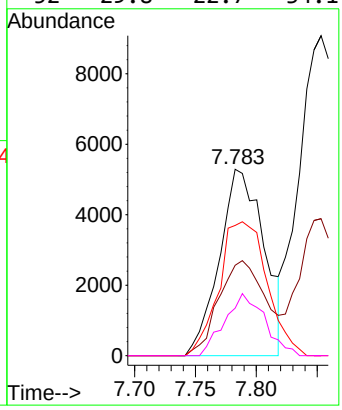




#41
Methacrylonitrile
Concen: 5.050 ug/l
RT: 7.783 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 41 Resp: 1351

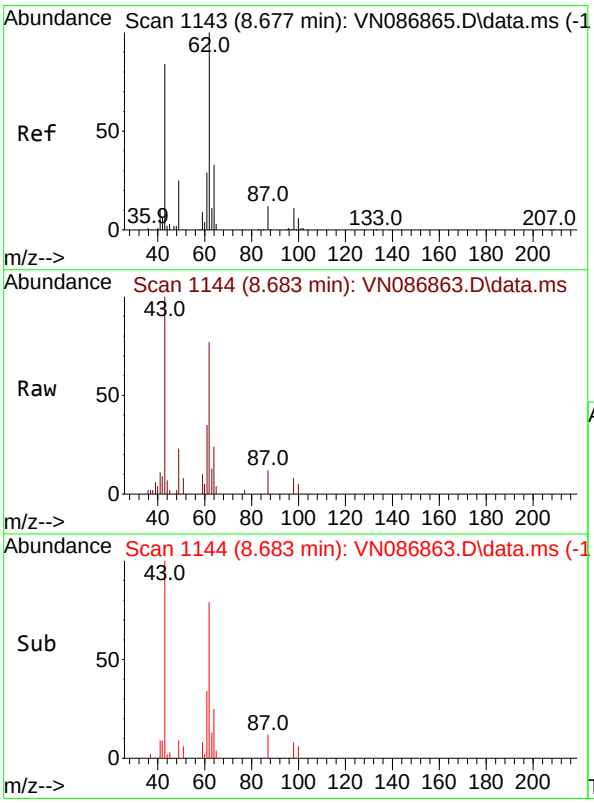
Ion	Ratio	Lower	Upper
41	100		
39	53.1	41.2	61.8
67	77.0	61.4	92.2
52	29.8	22.7	34.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

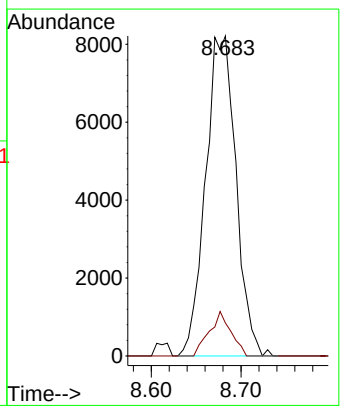
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

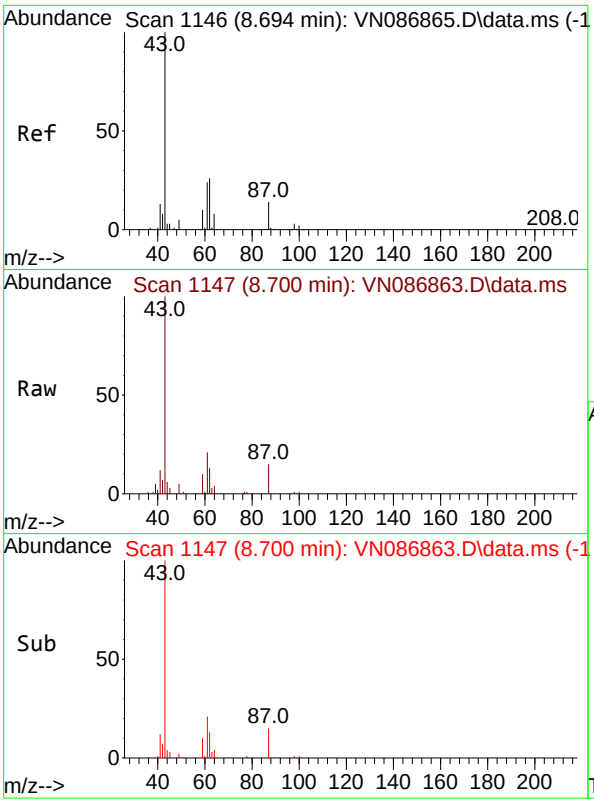


#42
1,2-Dichloroethane
Concen: 5.205 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 62 Resp: 19329

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	21.2





#43
Isopropyl Acetate
Concen: 5.264 ug/l
RT: 8.700 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

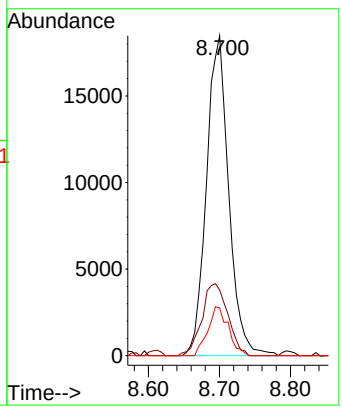
Tgt Ion: 43 Resp: 4026

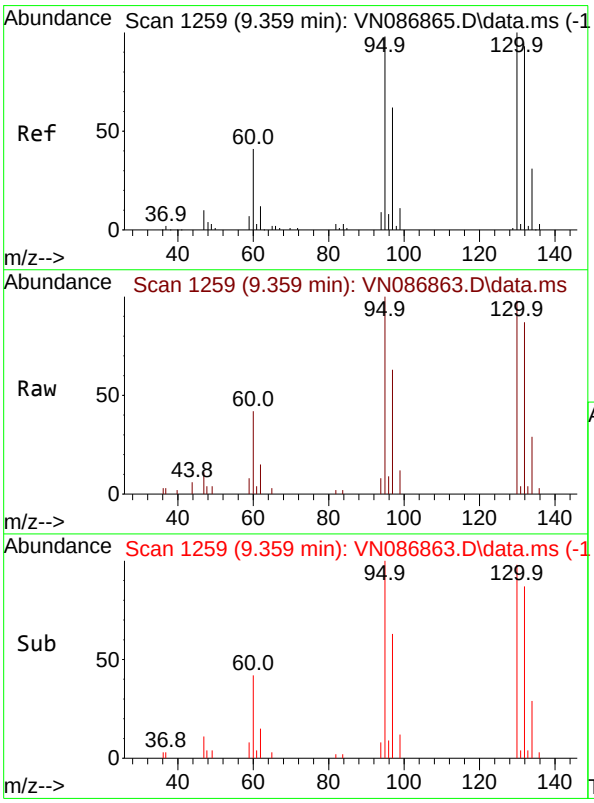
Ion	Ratio	Lower	Upper
43	100		
61	26.2	22.1	33.1
87	14.1	11.8	17.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

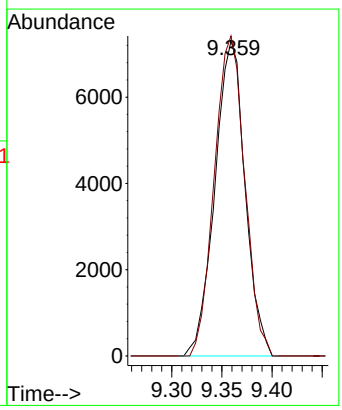


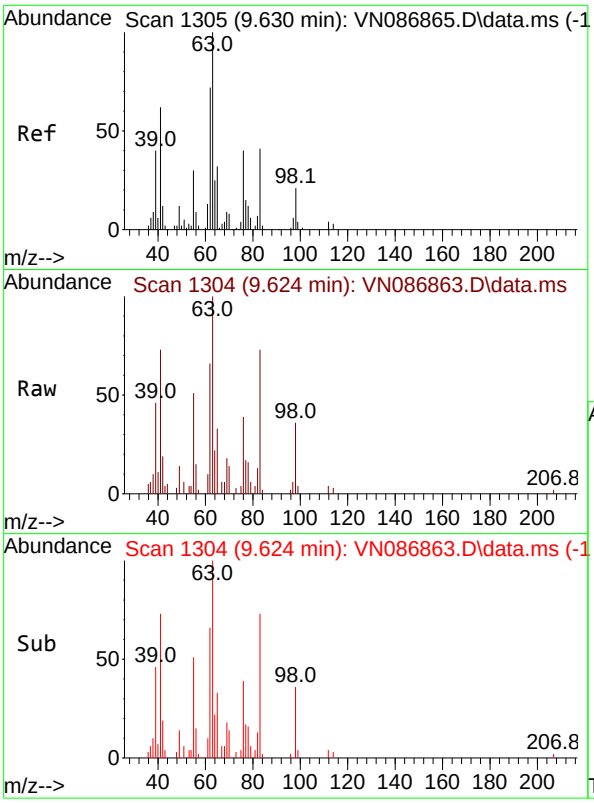


#44
Trichloroethene
Concen: 5.251 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:130 Resp: 15245

Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	196.2





#45
1,2-Dichloropropane
Concen: 5.248 ug/l
RT: 9.624 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

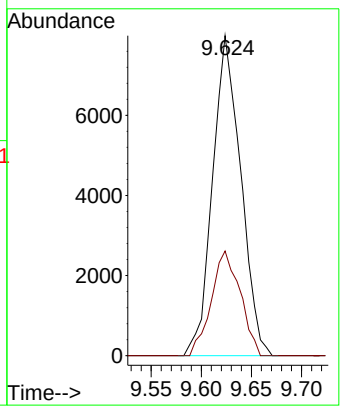
Tgt Ion: 63 Resp: 1563

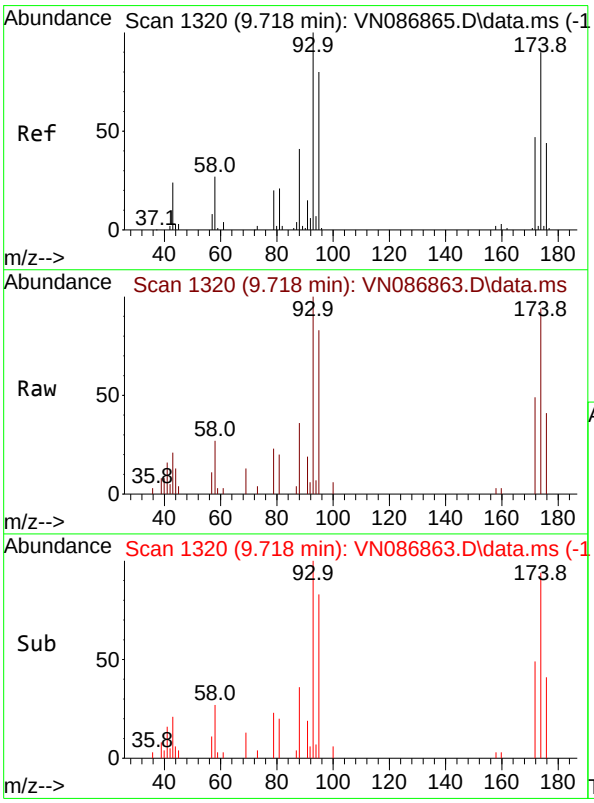
Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.5	38.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

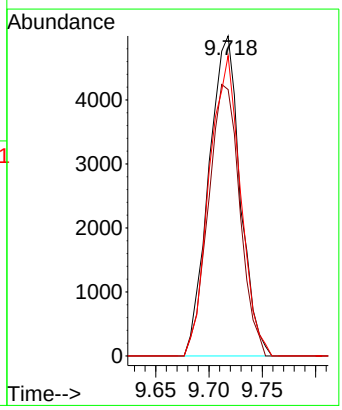


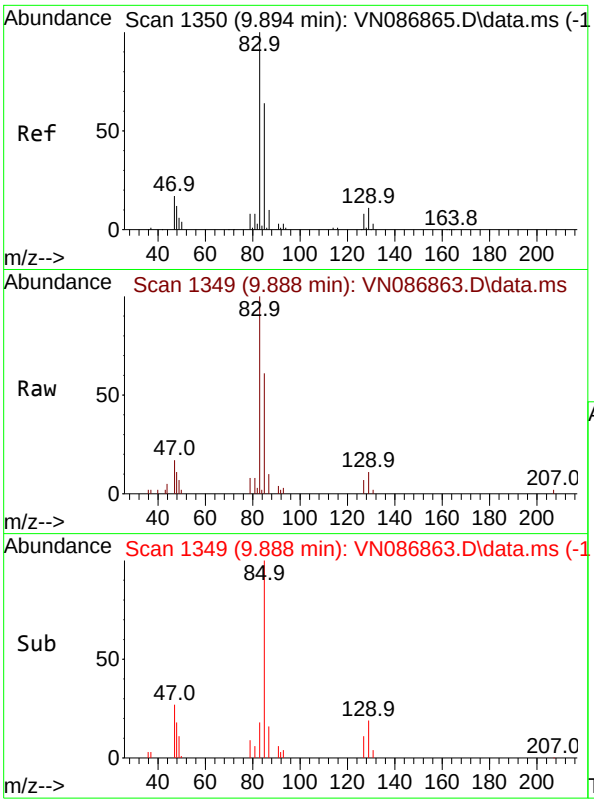


#46
Dibromomethane
Concen: 5.176 ug/l
RT: 9.718 min Scan# 1320
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 93 Resp: 10241

Ion	Ratio	Lower	Upper
93	100		
95	84.9	67.1	100.7
174	93.4	74.2	111.4

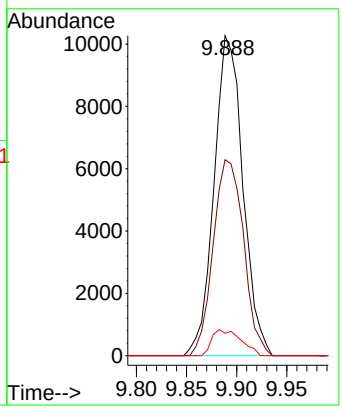




#47
Bromodichloromethane
Concen: 5.039 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 83 Resp: 2051

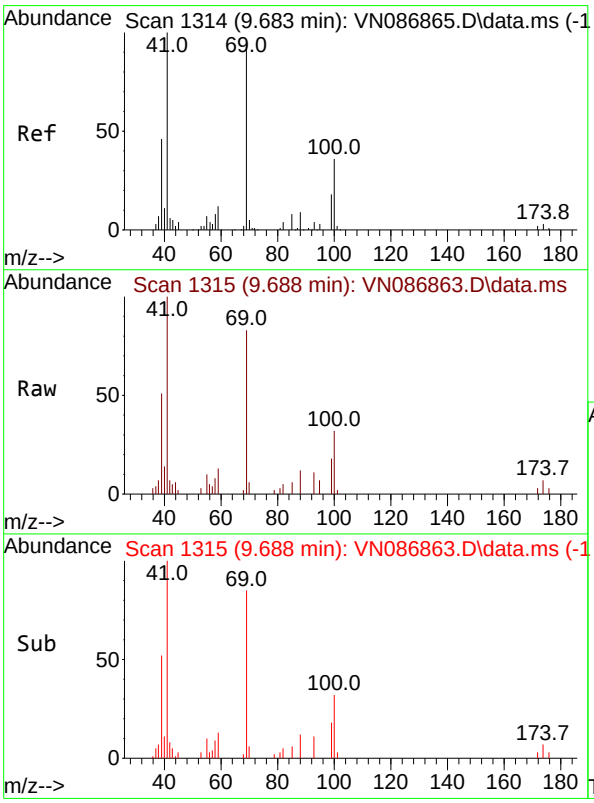
Ion	Ratio	Lower	Upper
83	100		
85	61.3	50.9	76.3
127	7.0	6.6	10.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

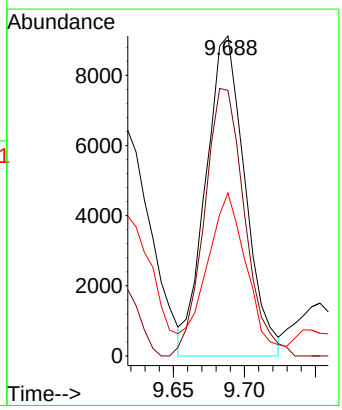
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

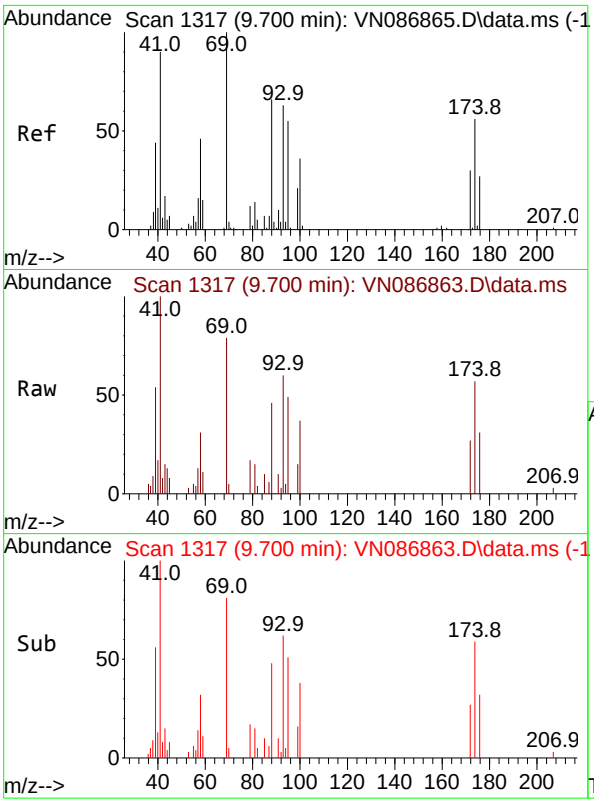


#48
Methyl methacrylate
Concen: 4.996 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 41 Resp: 17591

Ion	Ratio	Lower	Upper
41	100		
69	85.2	74.6	112.0
39	52.3	40.2	60.4

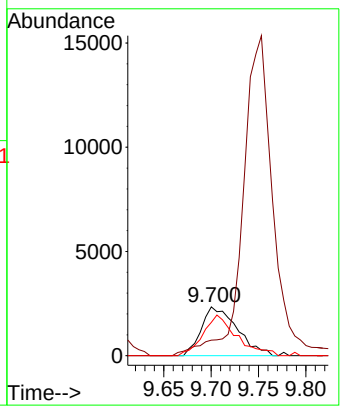




#49
1,4-Dioxane
Concen: 95.874 ug/l
RT: 9.700 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 88 Resp: 614

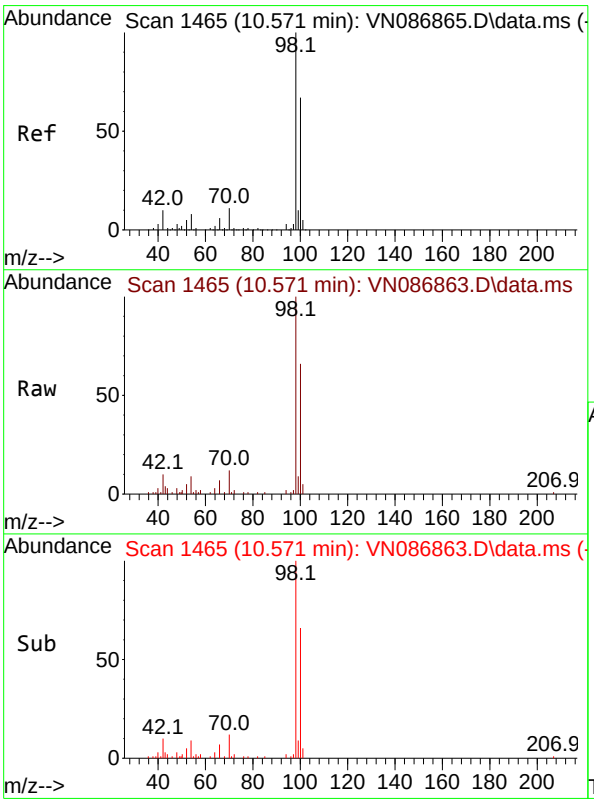
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	77.9	57.7	86.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

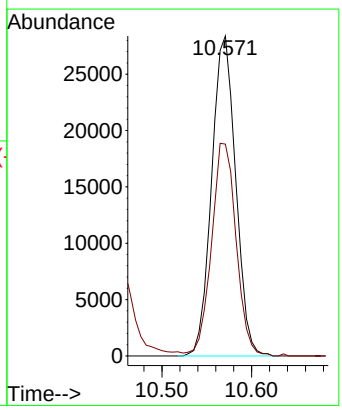
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

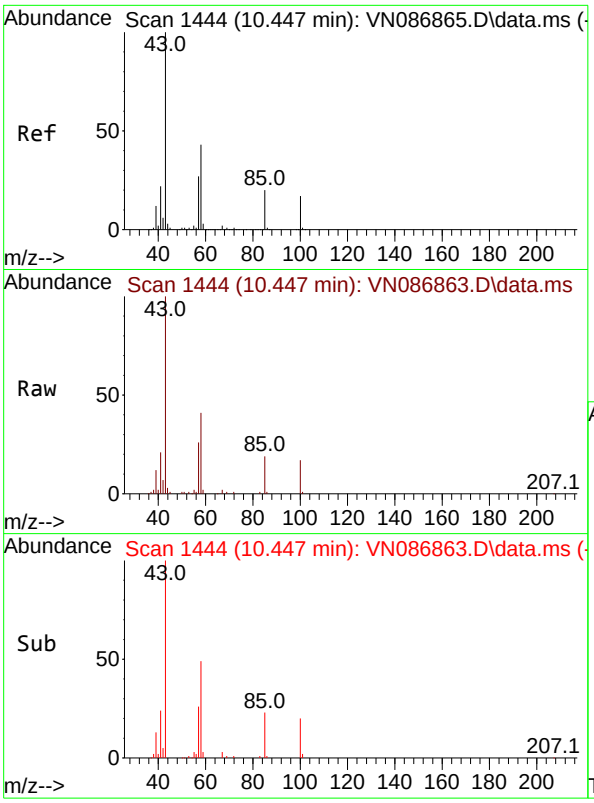


#50
Toluene-d8
Concen: 5.308 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 98 Resp: 52794

Ion	Ratio	Lower	Upper
98	100		
100	68.1	53.4	80.0

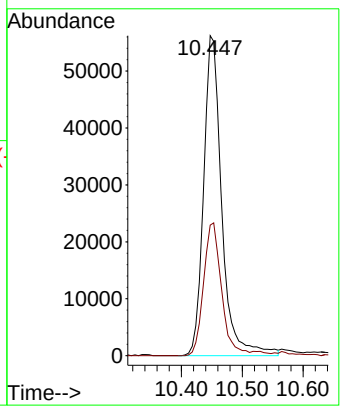




#51
4-Methyl-2-Pentanone
Concen: 25.283 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 43 Resp: 11643

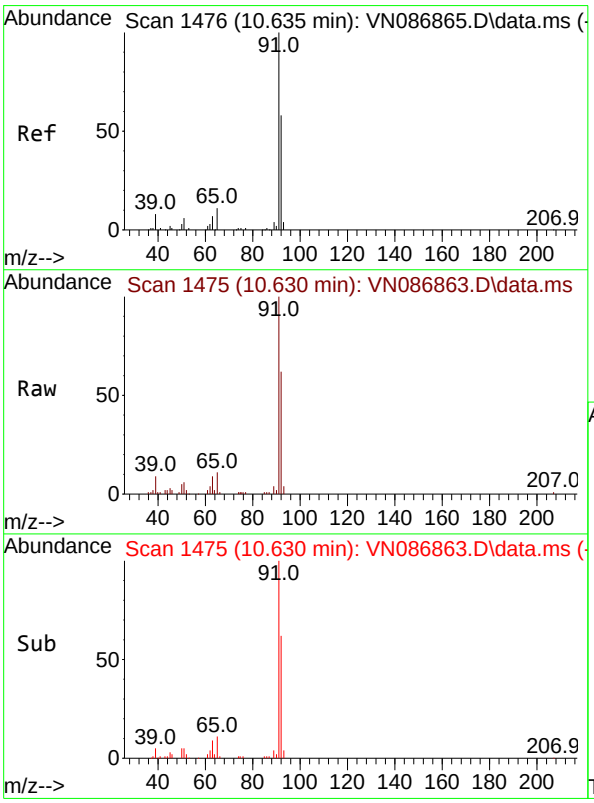
Ion	Ratio	Lower	Upper
43	100		
58	40.9	34.2	51.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

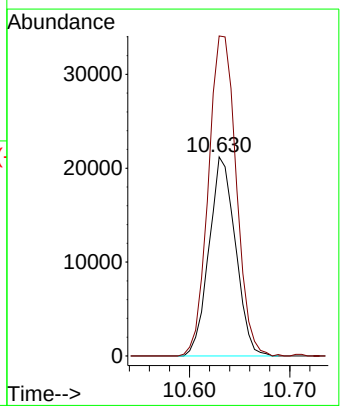
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

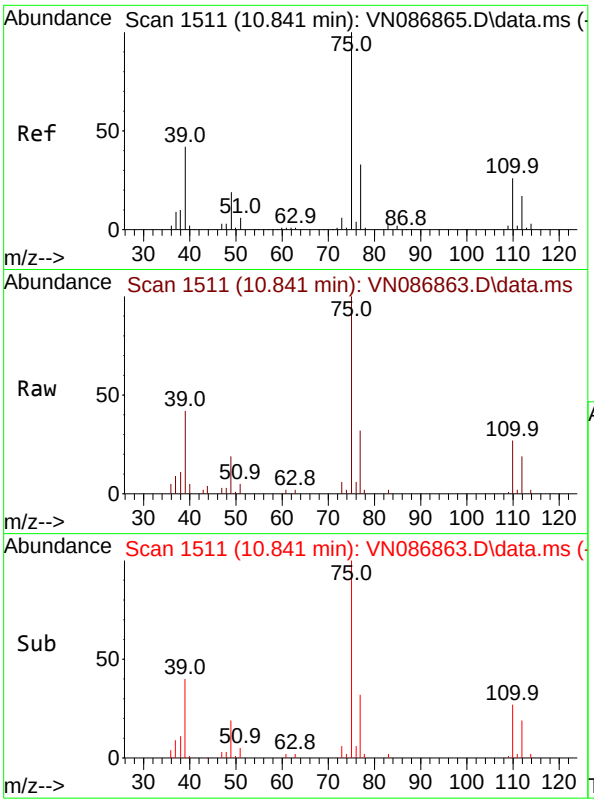


#52
Toluene
Concen: 5.178 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 92 Resp: 38744

Ion	Ratio	Lower	Upper
92	100		
91	169.5	136.5	204.7





#53
t-1,3-Dichloropropene
Concen: 4.896 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

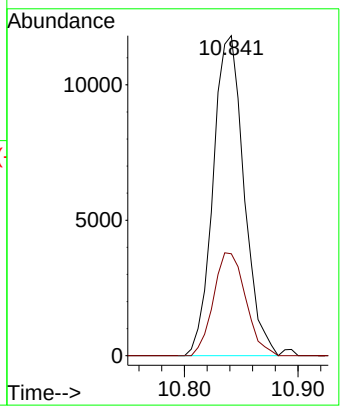
Tgt Ion: 75 Resp: 2228

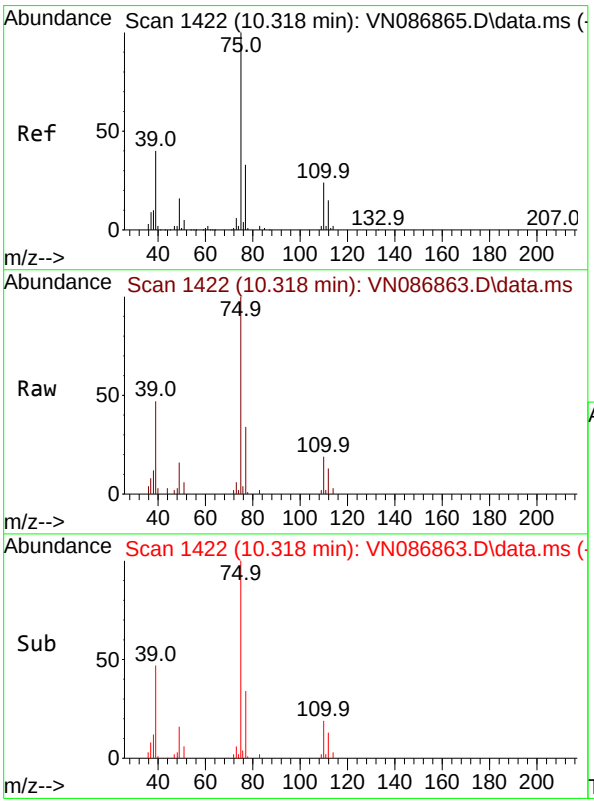
Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.4	39.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

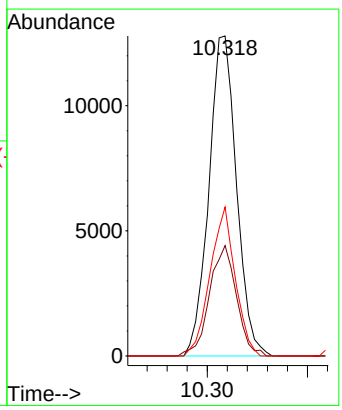


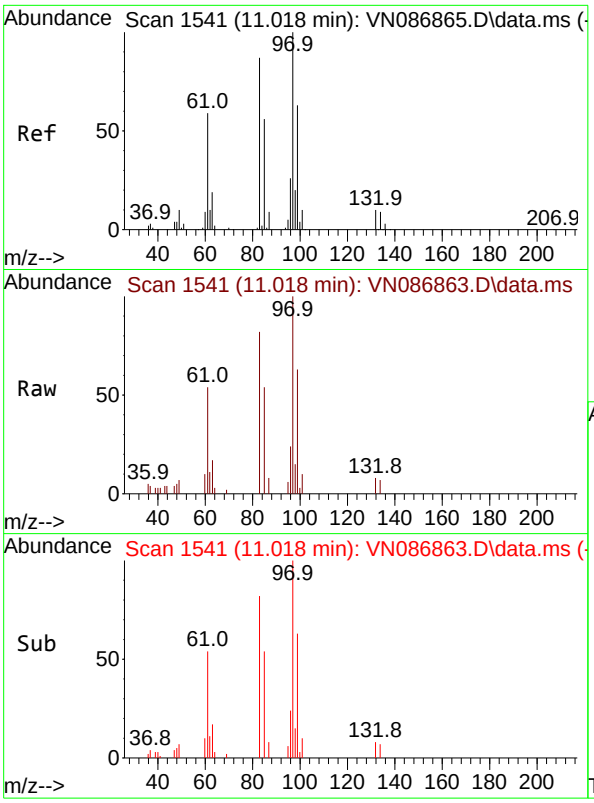


#54
cis-1,3-Dichloropropene
Concen: 5.026 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 75 Resp: 24477

Ion	Ratio	Lower	Upper
75	100		
77	34.5	26.2	39.4
39	46.5	32.3	48.5

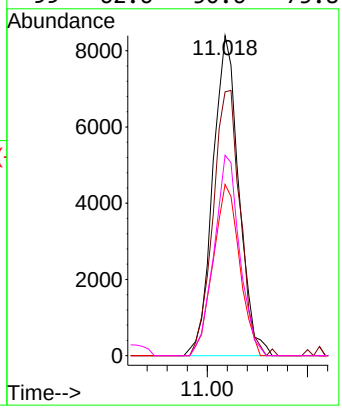




#55
1,1,2-Trichloroethane
Concen: 5.234 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 97 Resp: 1506

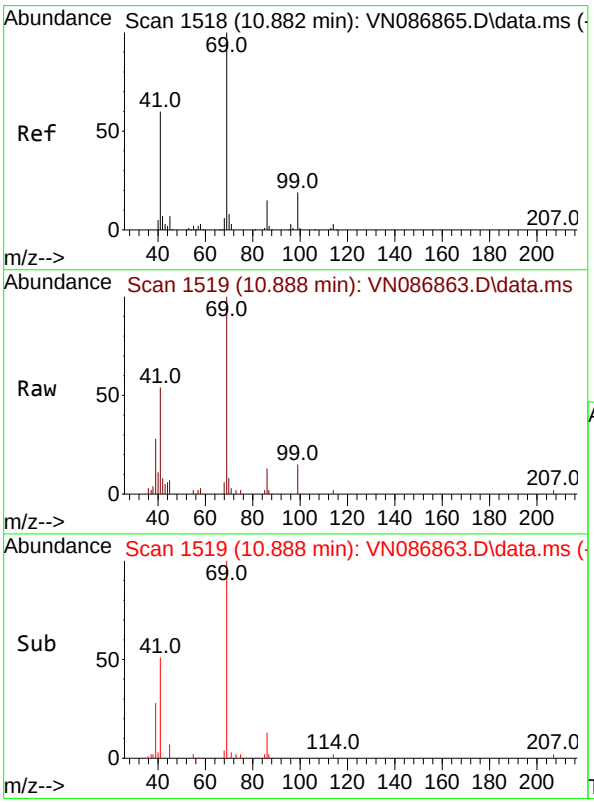
Ion	Ratio	Lower	Upper
97	100		
83	82.5	69.7	104.5
85	53.5	45.1	67.7
99	62.6	50.6	75.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

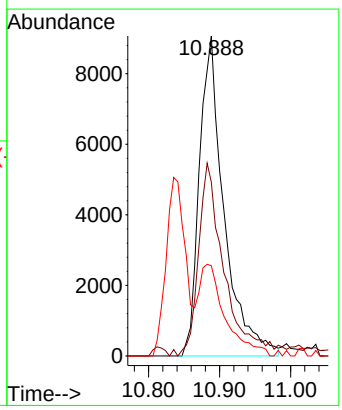
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

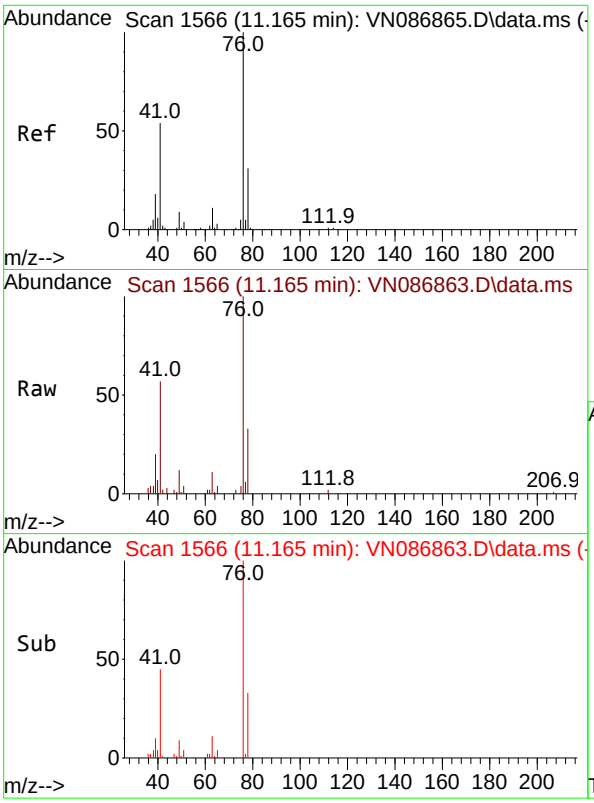


#56
Ethyl methacrylate
Concen: 4.774 ug/l
RT: 10.888 min Scan# 1519
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 69 Resp: 21893

Ion	Ratio	Lower	Upper
69	100		
41	63.5	47.2	70.8
39	29.9	23.0	34.6





#57
1,3-Dichloropropane
Concen: 5.096 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

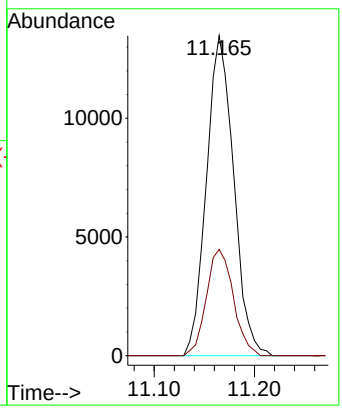
Tgt Ion: 76 Resp: 2545

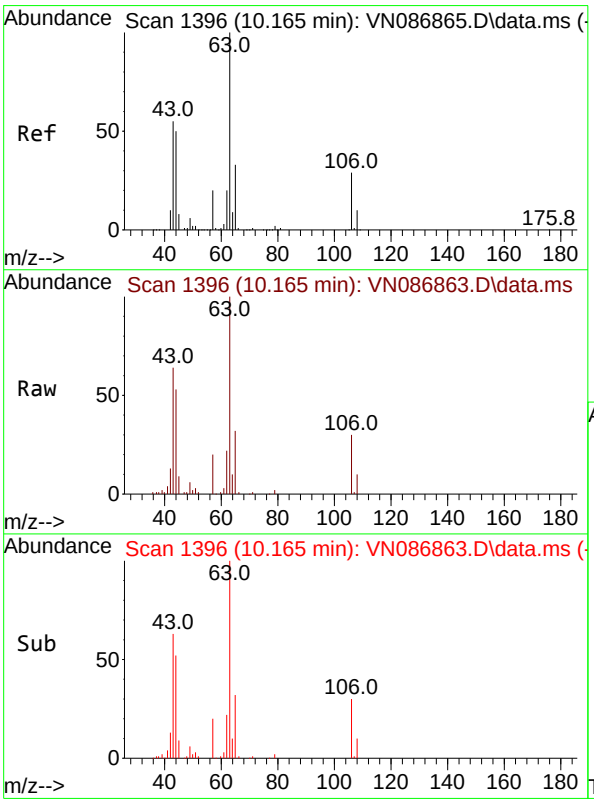
Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.3	37.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

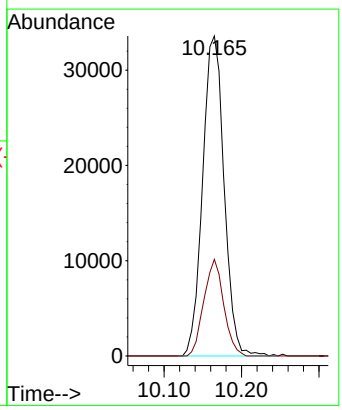


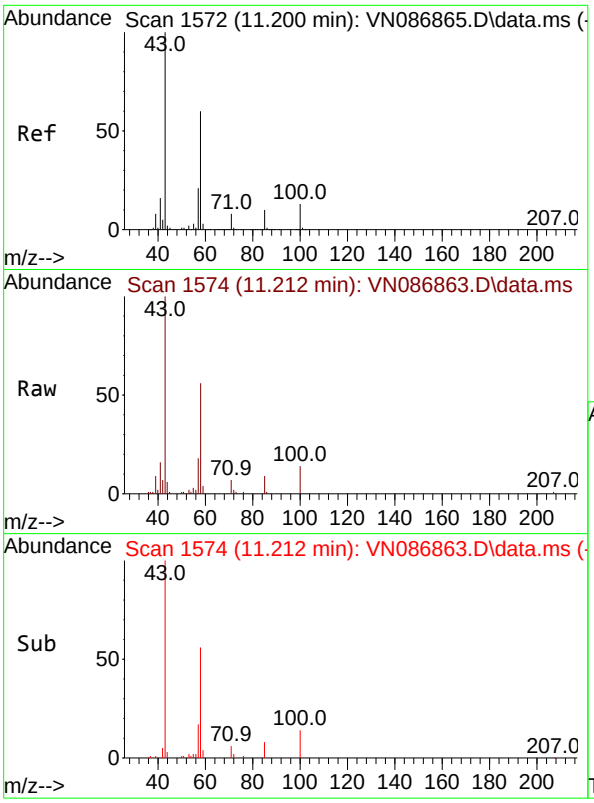


#58
2-Chloroethyl Vinyl ether
Concen: 23.664 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 63 Resp: 64722

Ion	Ratio	Lower	Upper
63	100		
106	27.9	23.0	34.6





#59
2-Hexanone
Concen: 20.188 ug/l
RT: 11.212 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

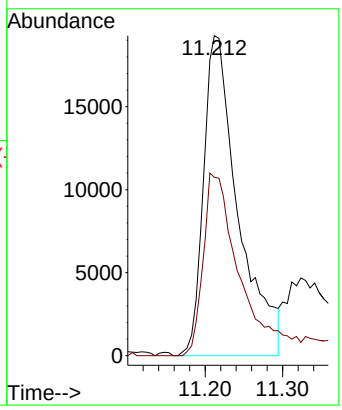
Tgt Ion: 43 Resp: 5988

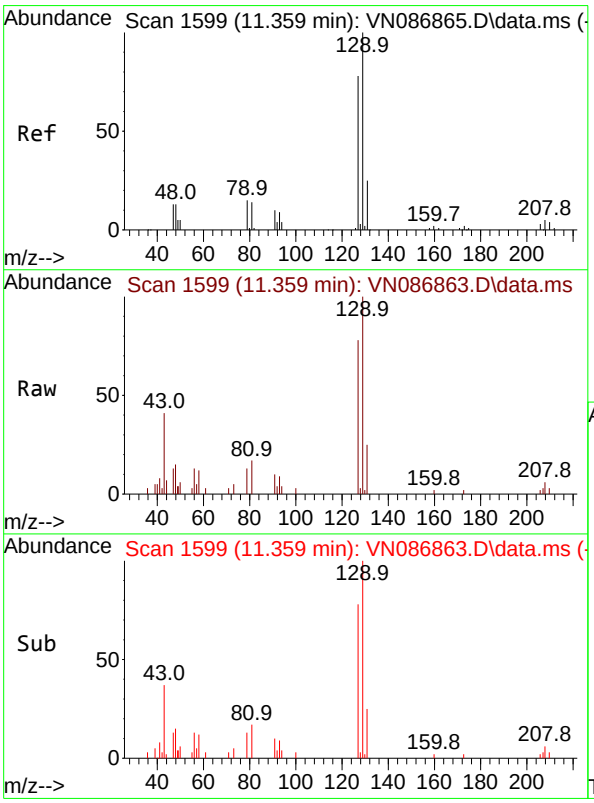
Ion	Ratio	Lower	Upper
43	100		
58	60.5	30.4	91.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

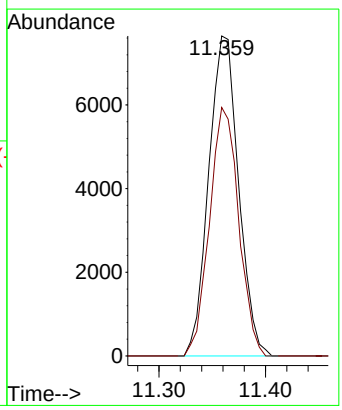


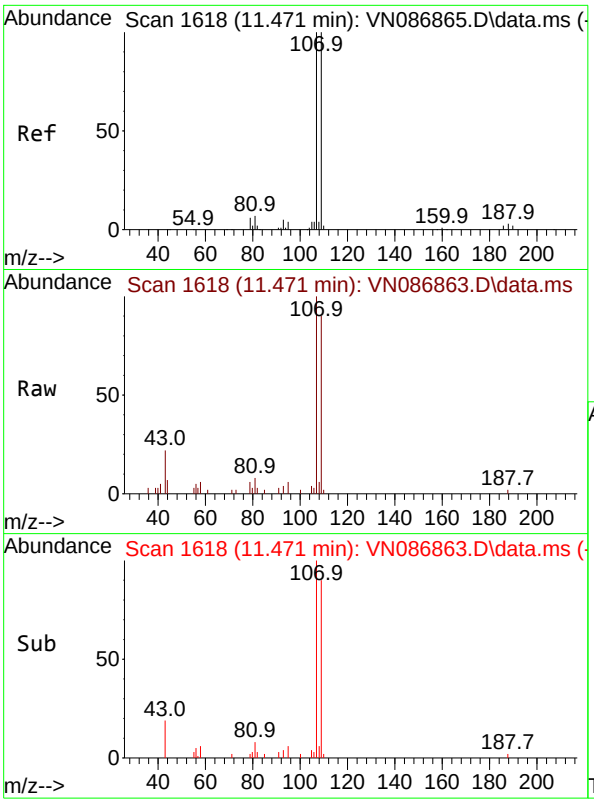


#60
Dibromochloromethane
Concen: 4.962 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:129 Resp: 14884

Ion	Ratio	Lower	Upper
129	100		
127	75.9	38.6	115.8





#61
1,2-Dibromoethane
Concen: 5.141 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

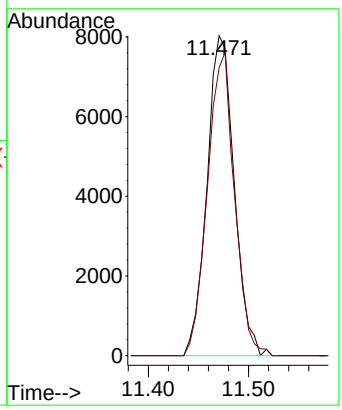
Tgt Ion:107 Resp: 1517

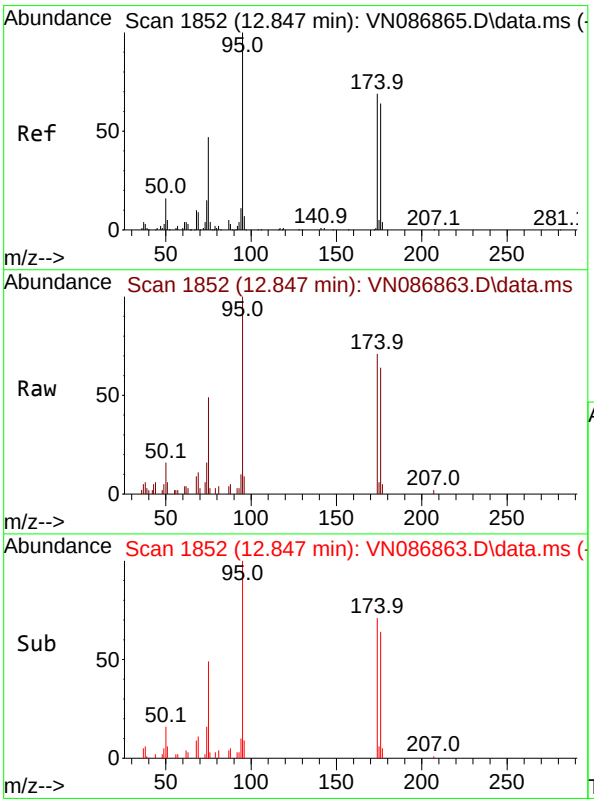
Ion	Ratio	Lower	Upper
107	100		
109	94.2	76.3	114.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

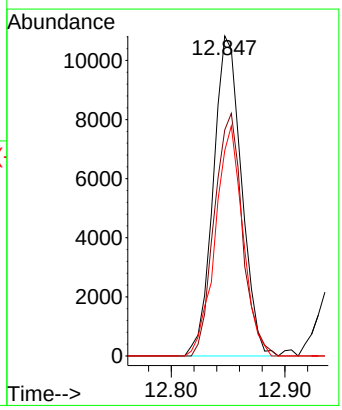


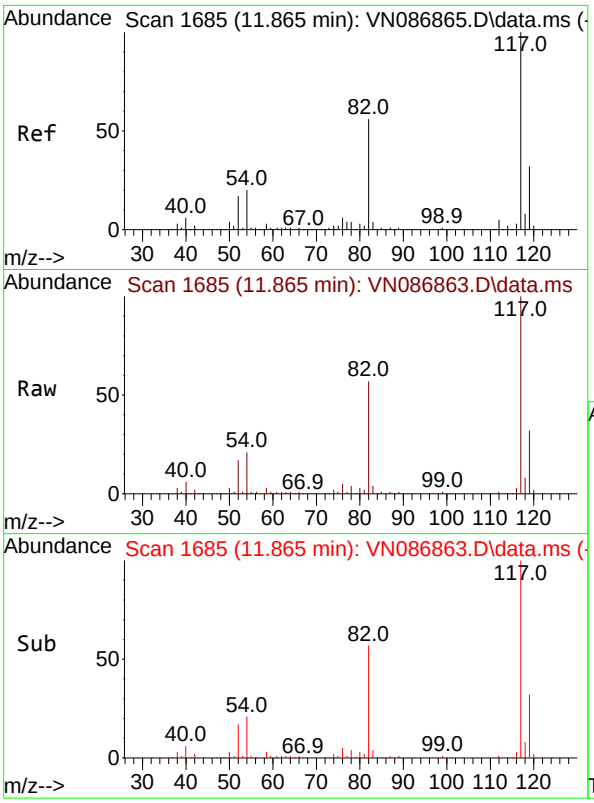


#62
4-Bromofluorobenzene
Concen: 5.059 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 95 Resp: 18697

Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	141.8
176	70.2	0.0	132.6

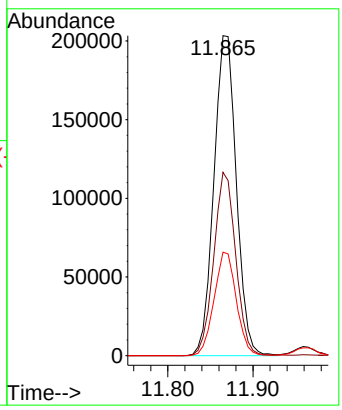




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:117 Resp: 37185

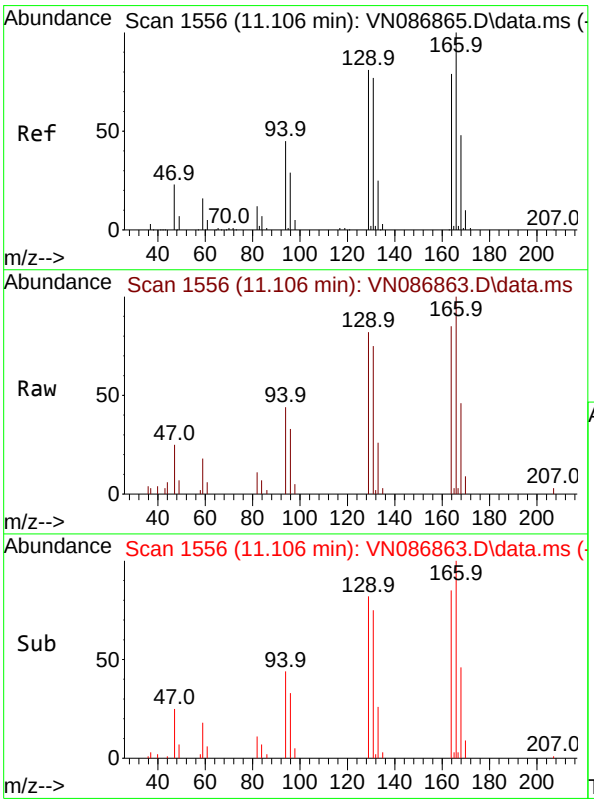
Ion	Ratio	Lower	Upper
117	100		
82	57.3	44.6	67.0
119	32.3	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

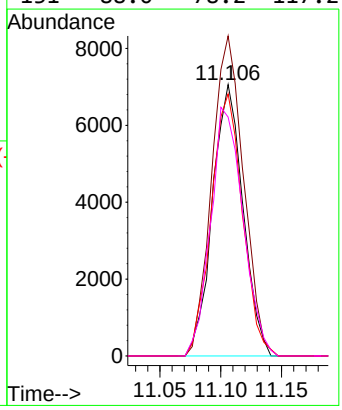
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

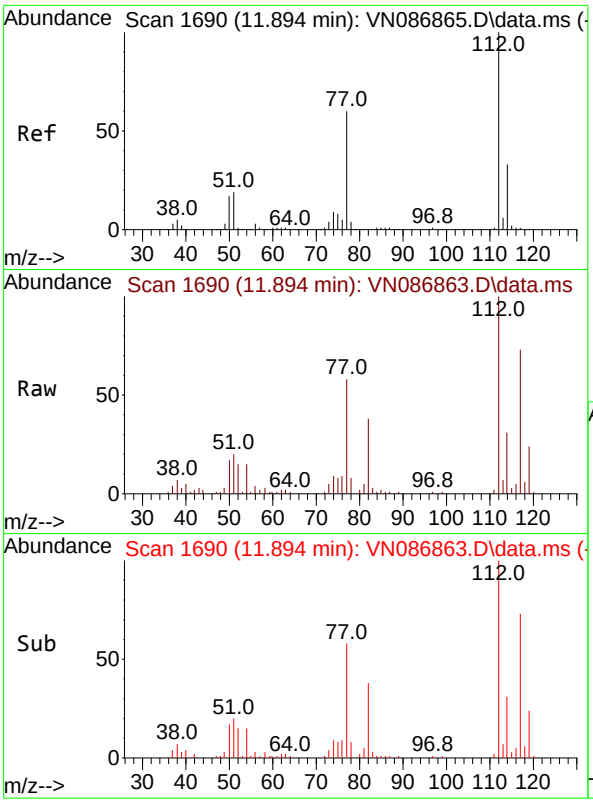


#64
Tetrachloroethene
Concen: 5.236 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:164 Resp: 12322

Ion	Ratio	Lower	Upper
164	100		
166	117.9	101.8	152.8
129	96.6	83.0	124.4
131	88.0	78.2	117.2

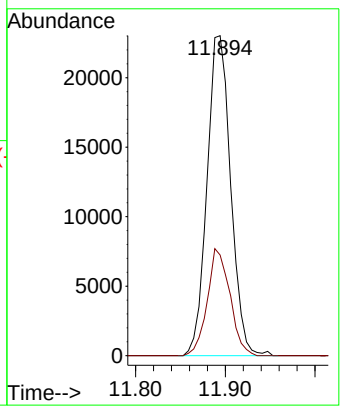




#65
Chlorobenzene
Concen: 5.145 ug/l
RT: 11.894 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:112 Resp: 4219

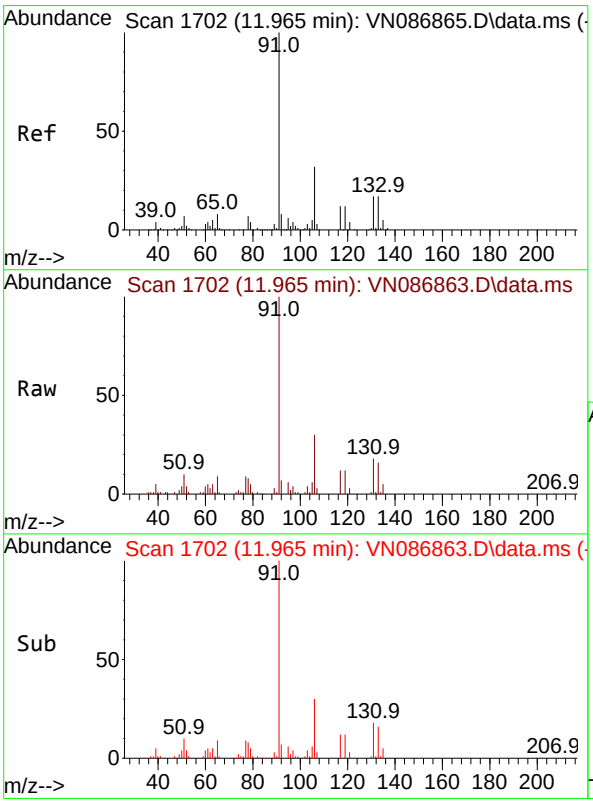
Ion	Ratio	Lower	Upper
112	100		
114	31.5	26.2	39.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

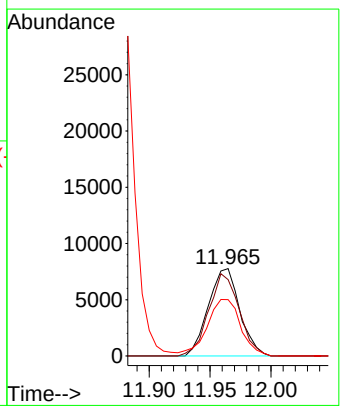
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

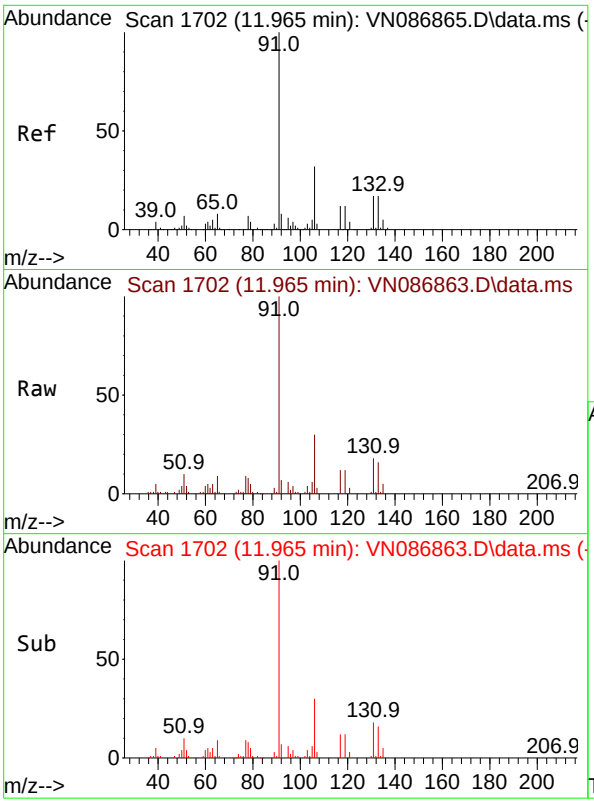


#66
1,1,1,2-Tetrachloroethane
Concen: 5.271 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:131 Resp: 13897

Ion	Ratio	Lower	Upper
131	100		
133	91.7	48.3	144.8
119	69.1	34.0	101.8

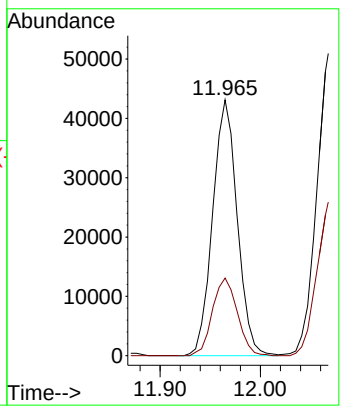




#67
Ethyl Benzene
Concen: 5.199 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 91 Resp: 7344

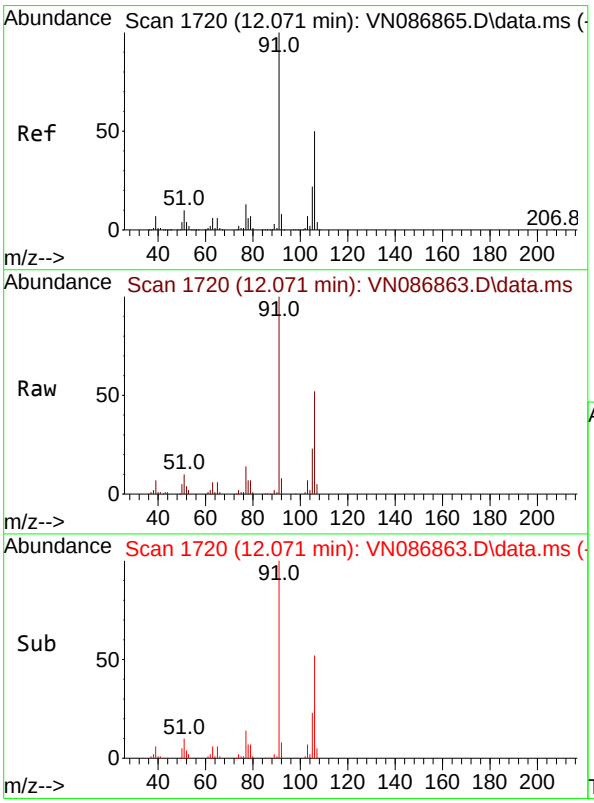
Ion	Ratio	Lower	Upper
91	100		
106	30.3	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

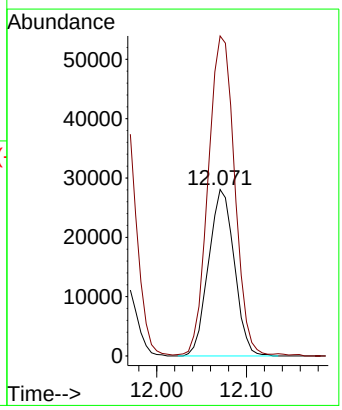
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

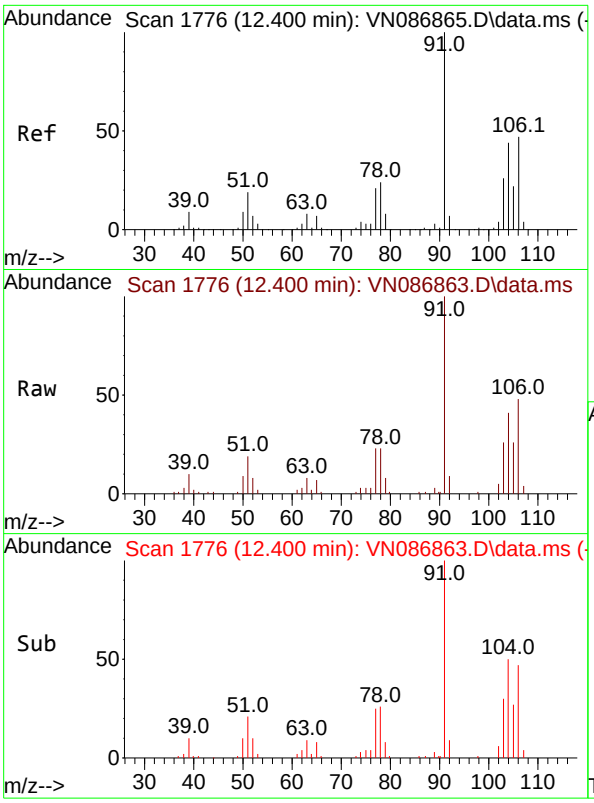


#68
m/p-Xylenes
Concen: 10.330 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:106 Resp: 55859

Ion	Ratio	Lower	Upper
106	100		
91	199.0	159.4	239.0

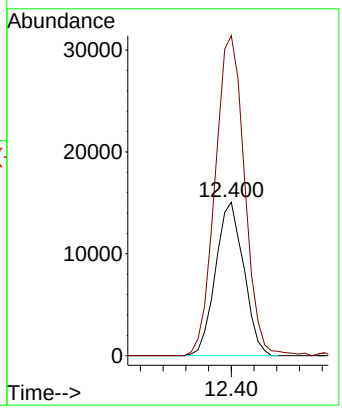




#69
o-Xylene
Concen: 5.021 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:106 Resp: 2600

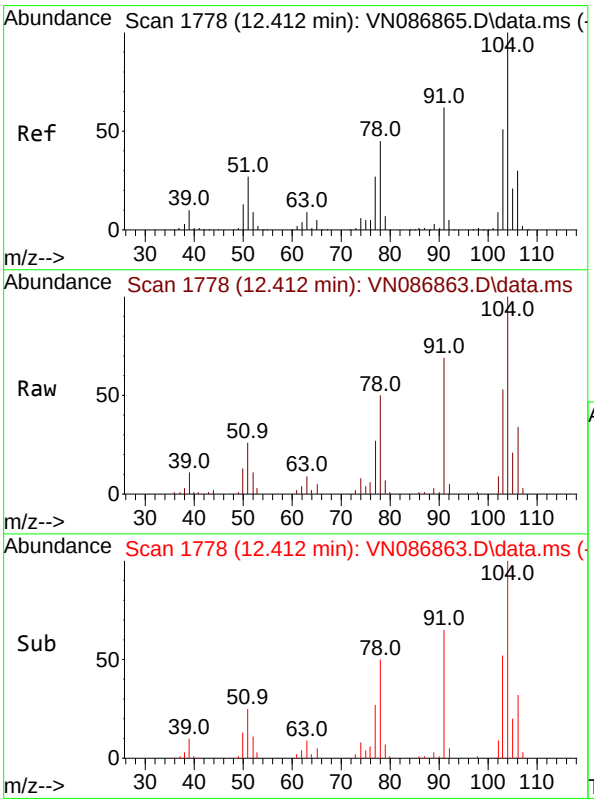
Ion	Ratio	Lower	Upper
106	100		
91	218.1	106.1	318.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

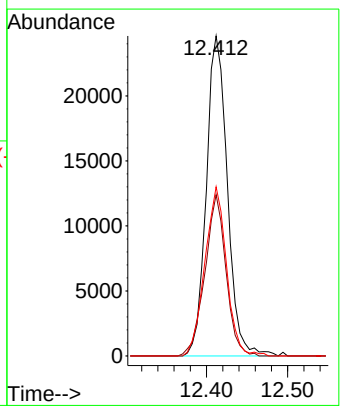
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

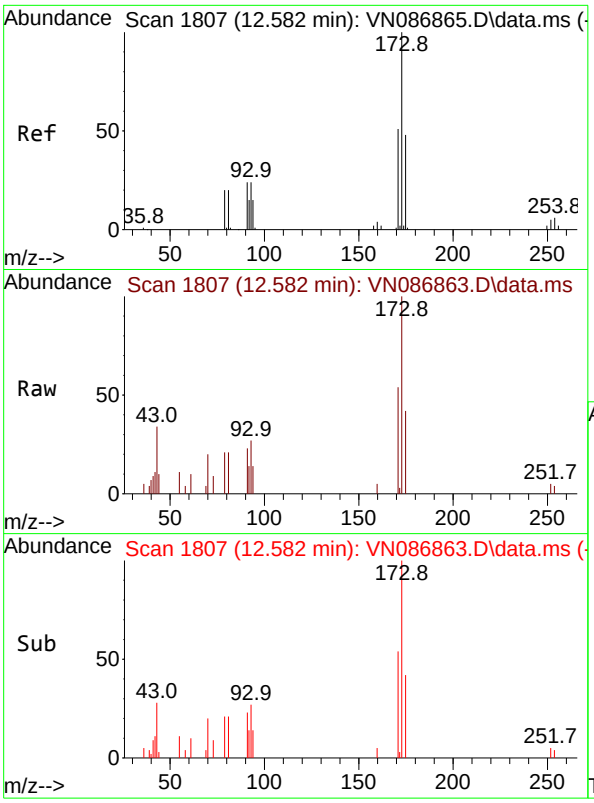


#70
Styrene
Concen: 5.008 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:104 Resp: 44380

Ion	Ratio	Lower	Upper
104	100		
78	50.4	38.5	57.7
103	54.4	43.1	64.7

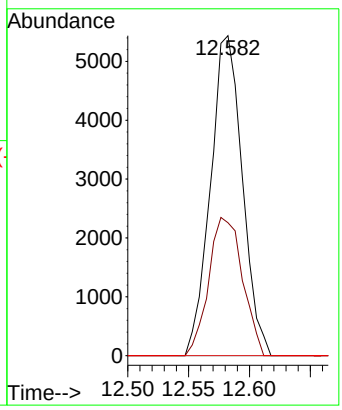




#71
Bromoform
Concen: 5.063 ug/l
RT: 12.582 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:173 Resp: 989

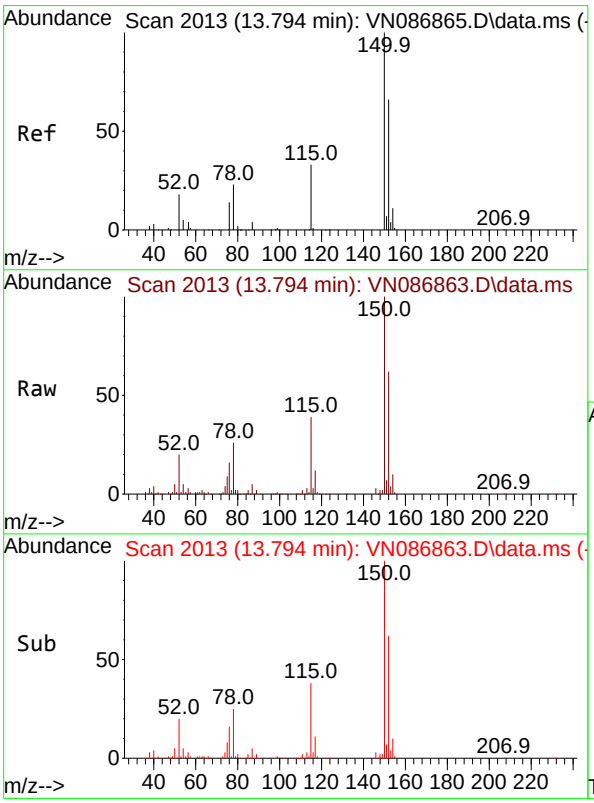
Ion	Ratio	Lower	Upper
173	100		
175	45.8	24.1	72.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

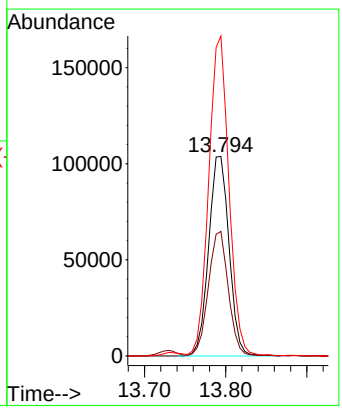
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

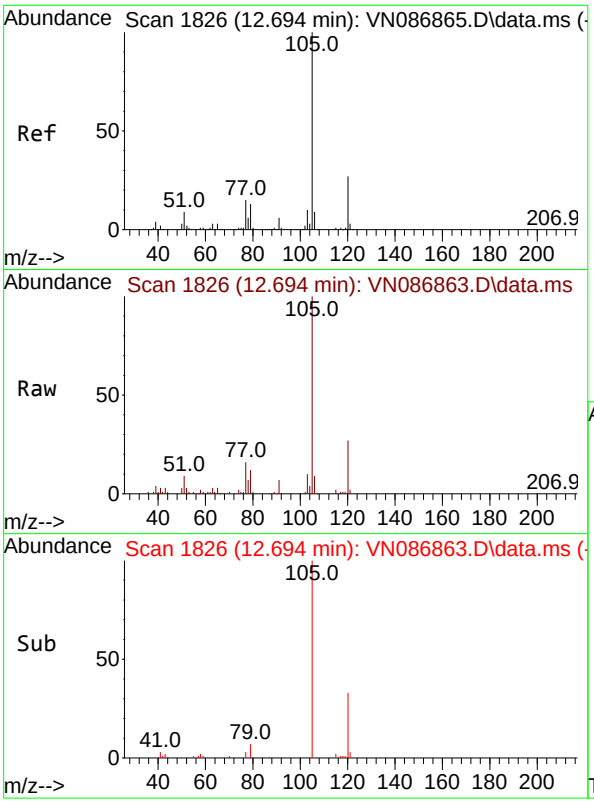


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:152 Resp: 181065

Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.1	90.5
150	157.8	0.0	345.0





#73
Isopropylbenzene
Concen: 5.146 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

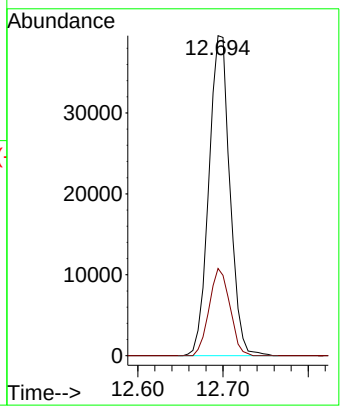
Tgt Ion:105 Resp: 6787

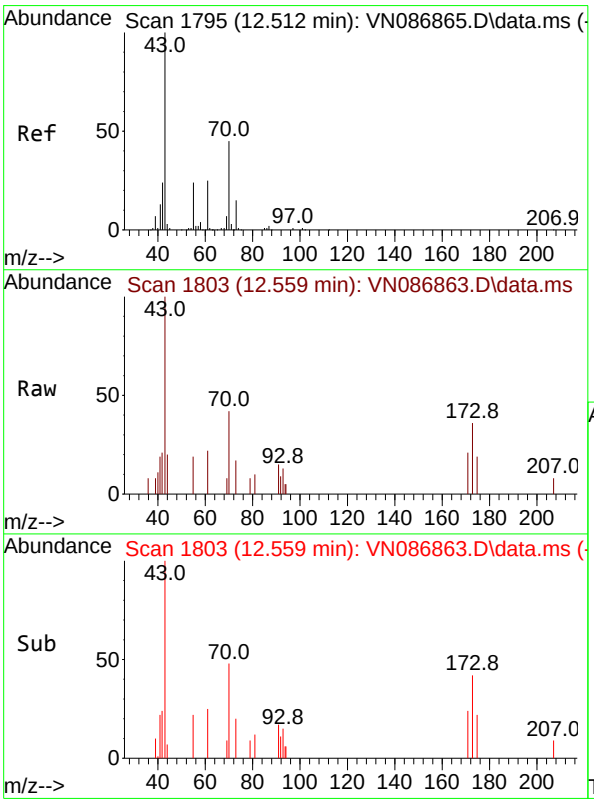
Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.5	40.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

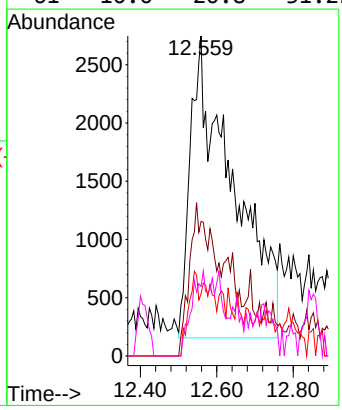


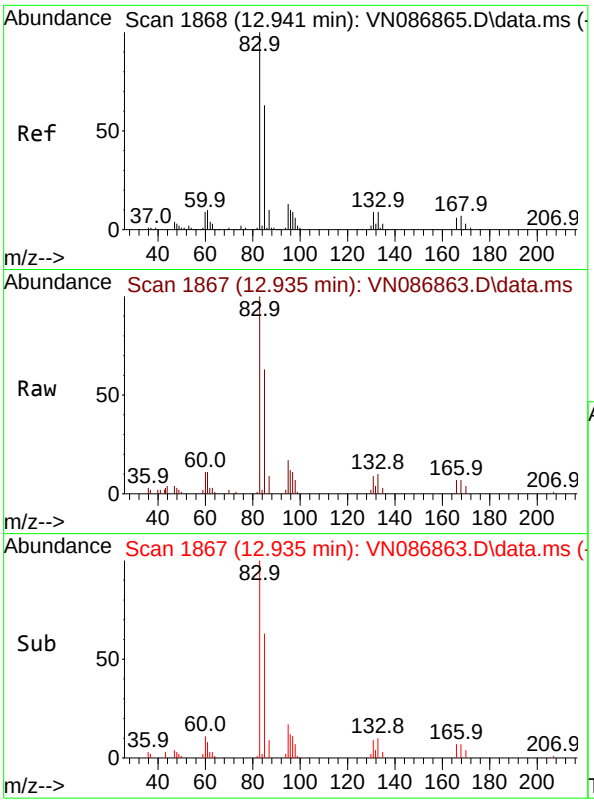


#74
N-amyl acetate
Concen: 4.590 ug/l m
RT: 12.559 min Scan# 1803
Delta R.T. 0.047 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 43 Resp: 20096

Ion	Ratio	Lower	Upper
43	100		
70	0.0	37.6	56.4#
55	0.0	19.0	28.6#
61	10.0	20.8	31.2#





#75
1,1,2,2-Tetrachloroethane
Concen: 5.262 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

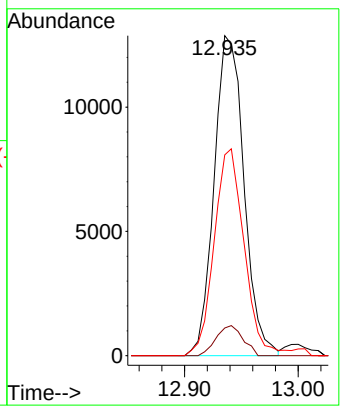
Tgt Ion: 83 Resp: 2351

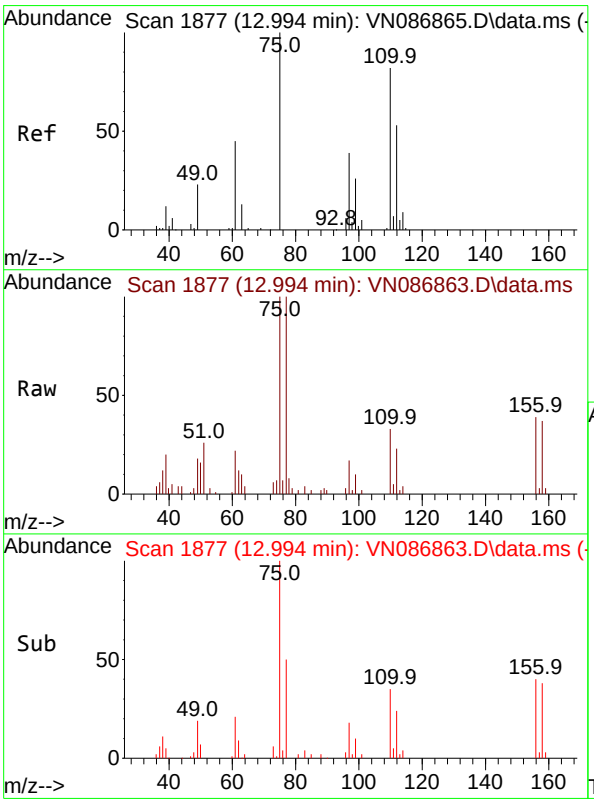
Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.9	14.7
85	65.1	32.0	96.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

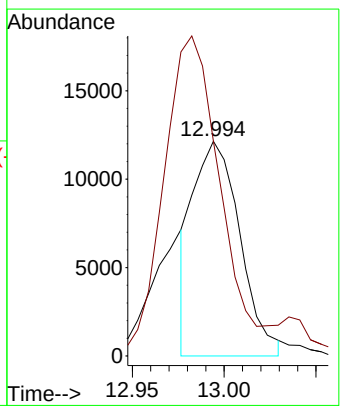


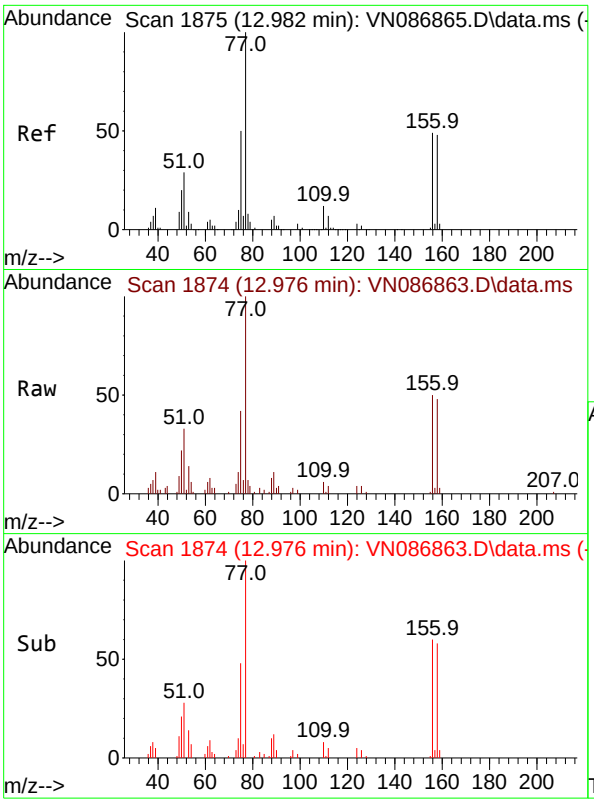


#76
1,2,3-Trichloropropane
Concen: 4.986 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 75 Resp: 21527

Ion	Ratio	Lower	Upper
75	100		
77	179.7	79.3	237.9

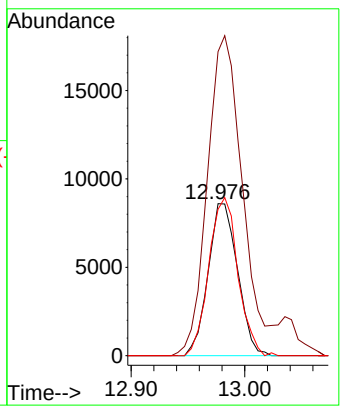




#77
Bromobenzene
Concen: 5.119 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:156 Resp: 1548

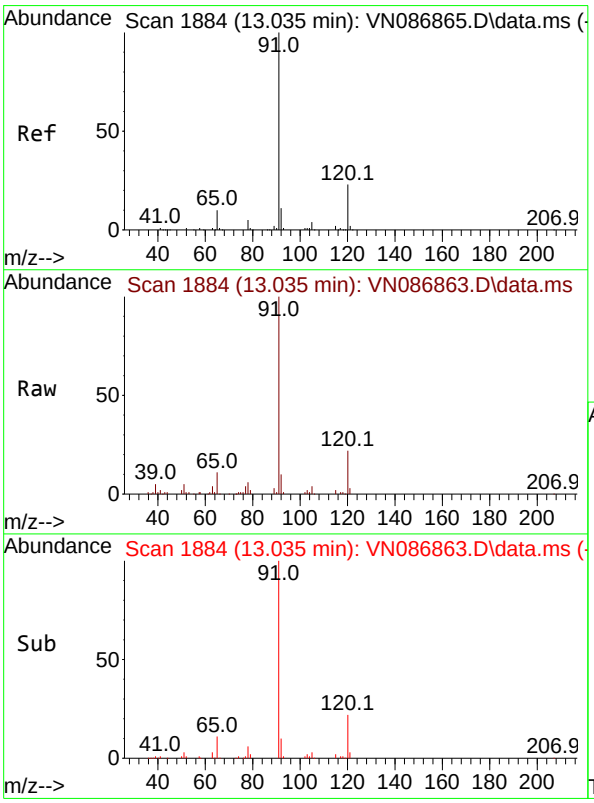
Ion	Ratio	Lower	Upper
156	100		
77	249.9	117.7	353.1
158	102.9	48.1	144.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

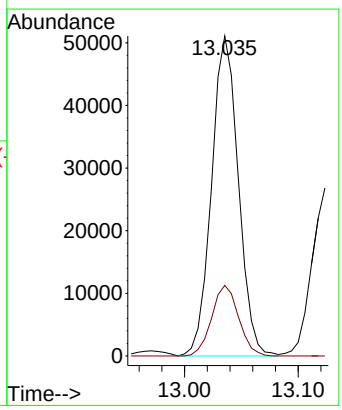
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

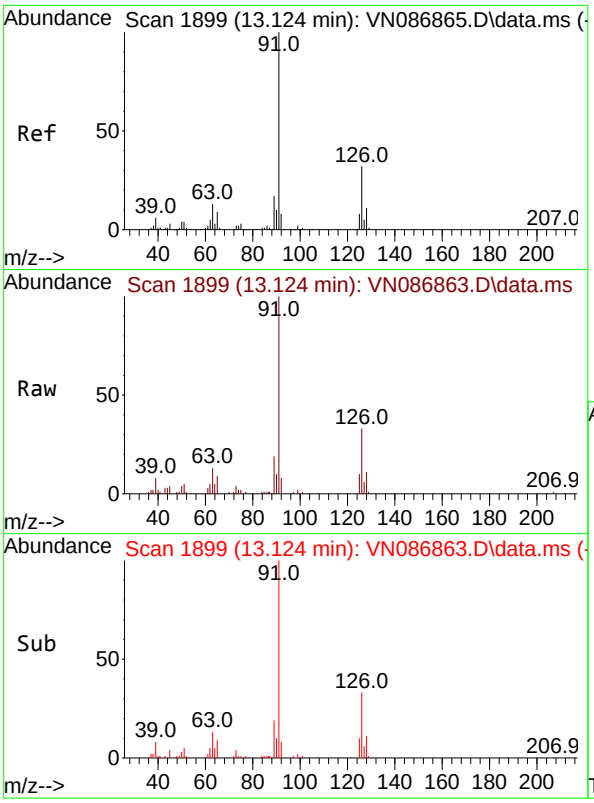


#78
n-propylbenzene
Concen: 5.226 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 91 Resp: 83781

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.4	34.2





#79
2-Chlorotoluene
Concen: 5.128 ug/l
RT: 13.124 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

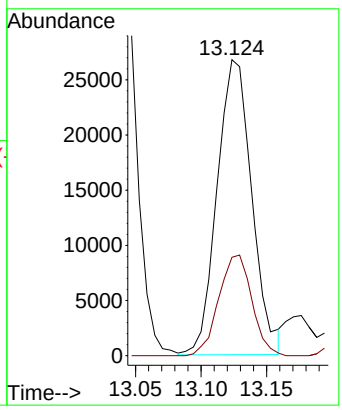
Tgt Ion: 91 Resp: 4929

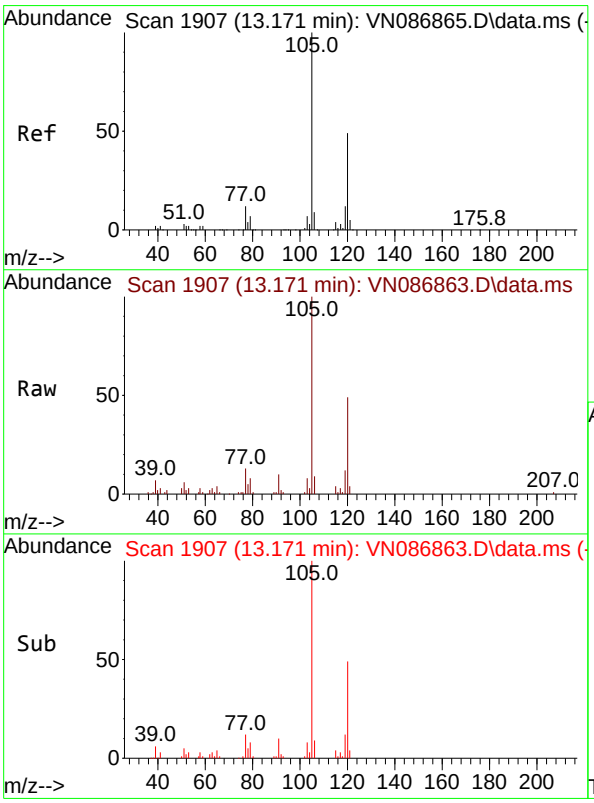
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.2	48.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

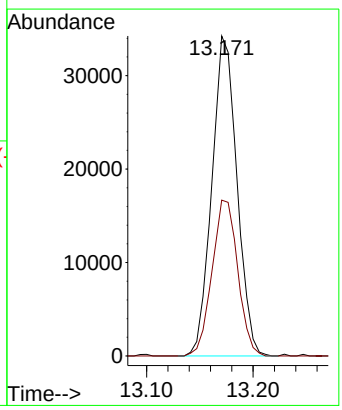


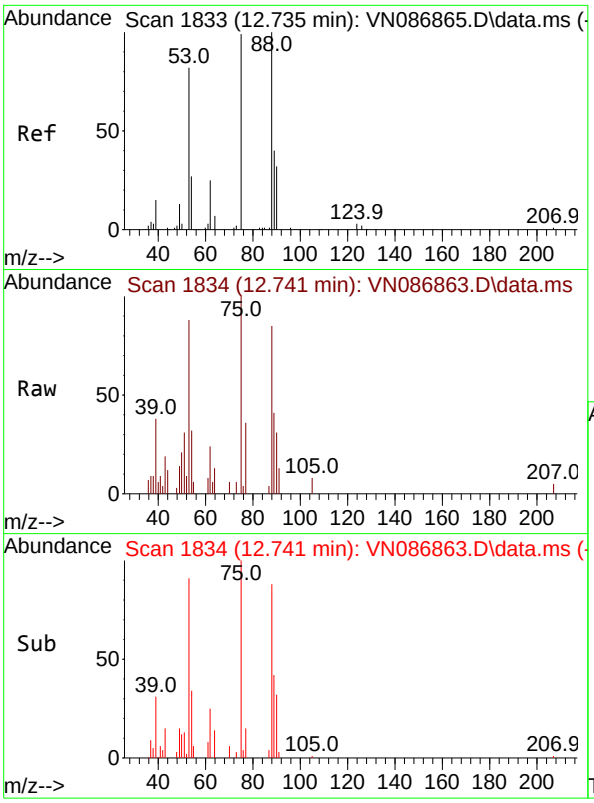


#80
1,3,5-Trimethylbenzene
Concen: 5.139 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:105 Resp: 55961

Ion	Ratio	Lower	Upper
105	100		
120	49.8	24.9	74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 4.939 ug/l
RT: 12.741 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

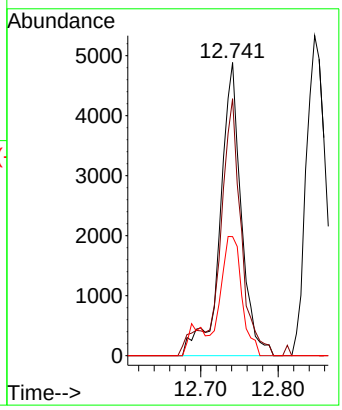
Tgt Ion: 75 Resp: 923

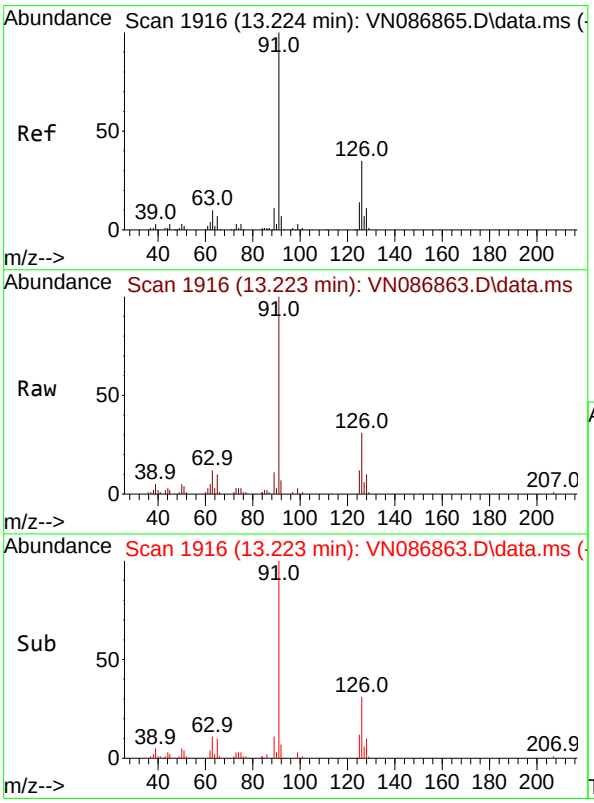
Ion	Ratio	Lower	Upper
75	100		
53	88.6	66.6	99.8
89	41.4	36.7	55.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

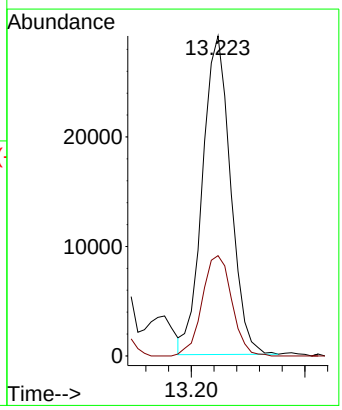


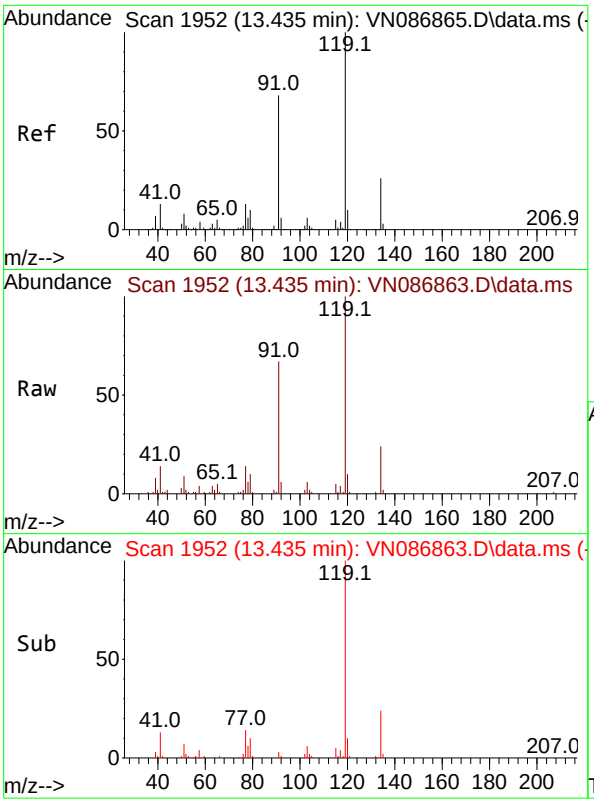


#82
4-Chlorotoluene
Concen: 5.132 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 91 Resp: 49924

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.7	50.1

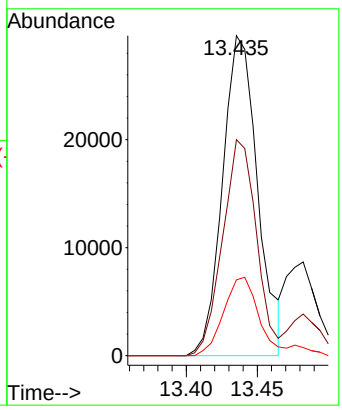




#83
tert-Butylbenzene
Concen: 5.103 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:119 Resp: 5087

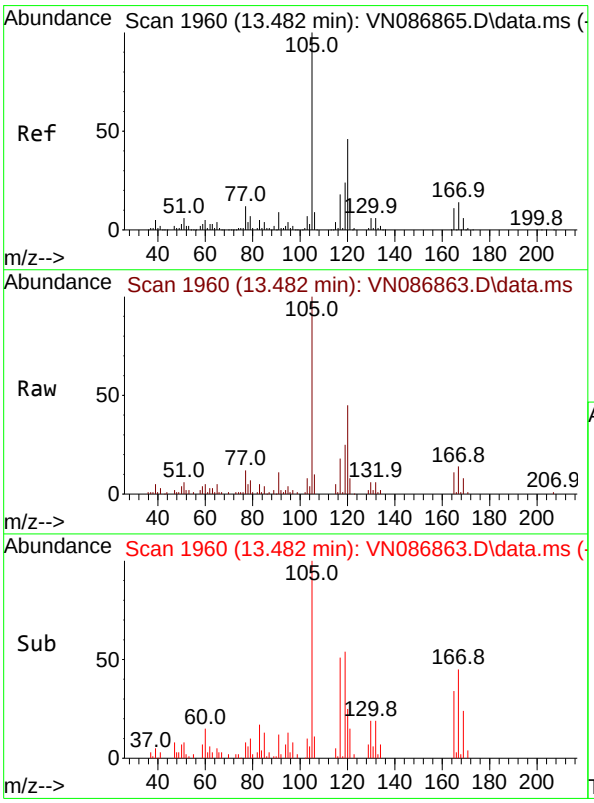
Ion	Ratio	Lower	Upper
119	100		
91	65.3	32.1	96.5
134	24.5	13.4	40.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

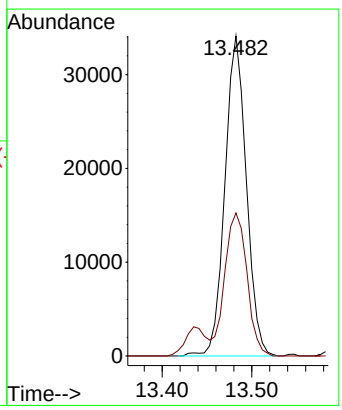
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

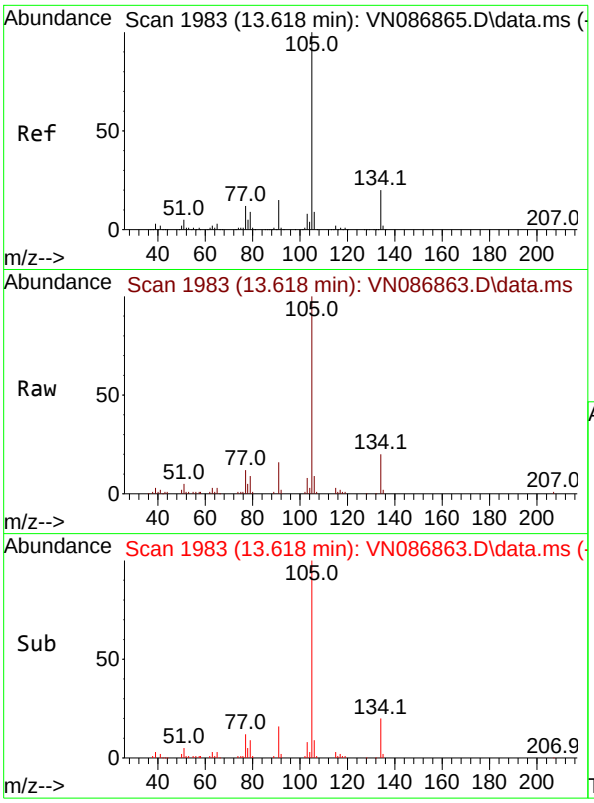


#84
1,2,4-Trimethylbenzene
Concen: 5.176 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:105 Resp: 56525

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.2	69.6





#85
sec-Butylbenzene
Concen: 5.161 ug/l
RT: 13.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

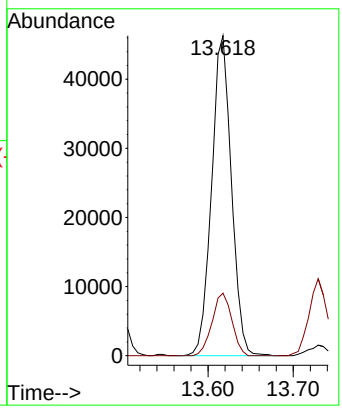
Tgt Ion:105 Resp: 7471

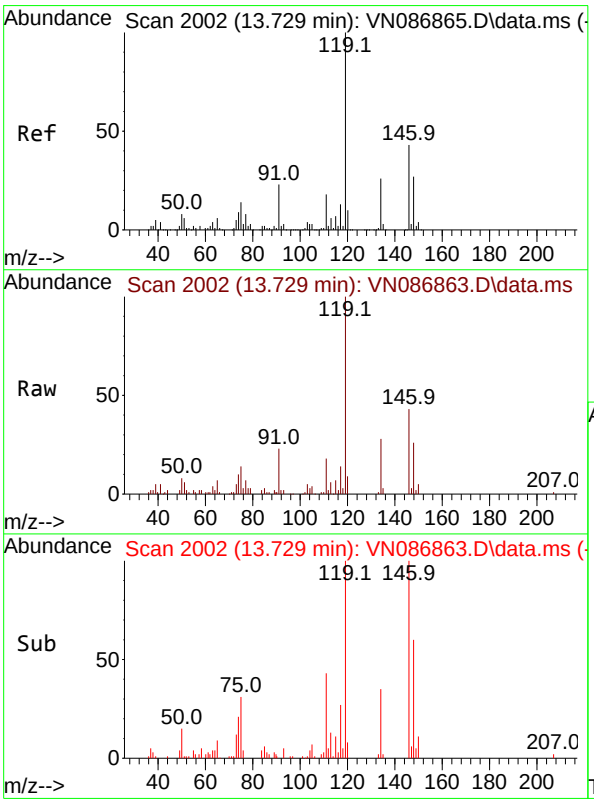
Ion	Ratio	Lower	Upper
105	100		
134	19.5	10.0	30.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

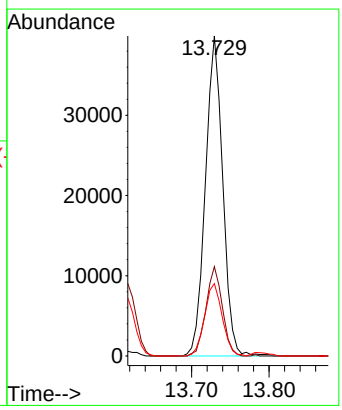


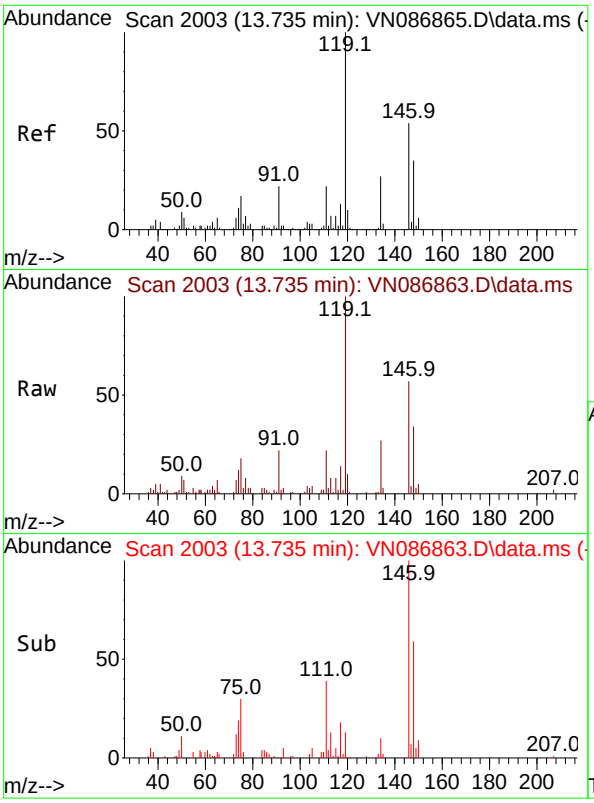


#86
p-Isopropyltoluene
Concen: 5.182 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:119 Resp: 62016

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.5	40.4
91	22.9	11.5	34.4

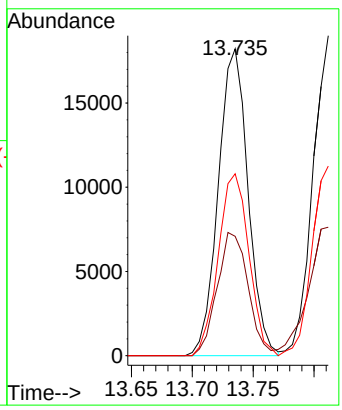




#87
1,3-Dichlorobenzene
Concen: 5.200 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:146 Resp: 3094

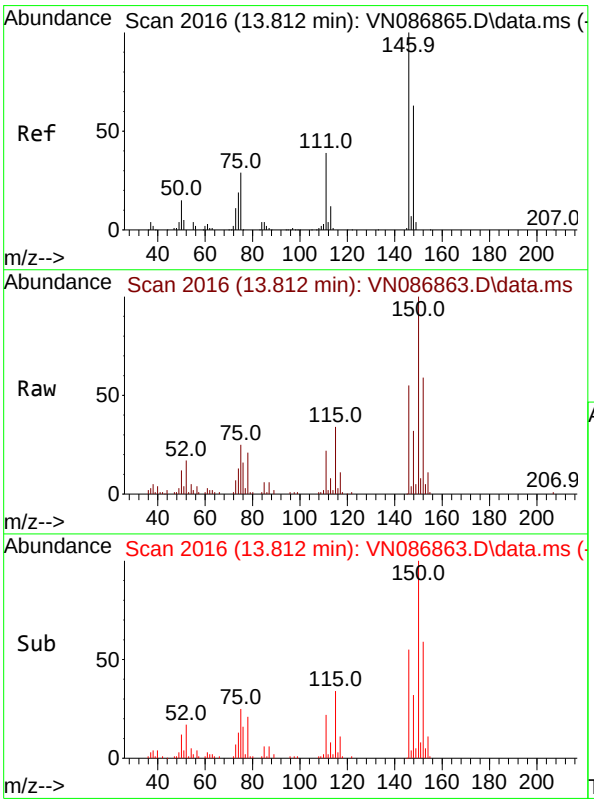
Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.9	62.8
148	61.1	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

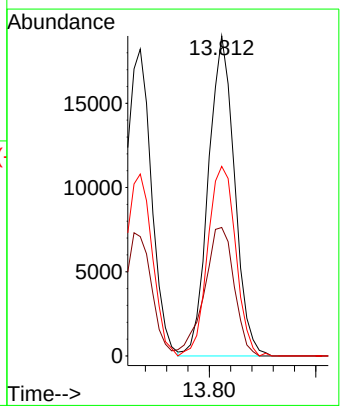
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

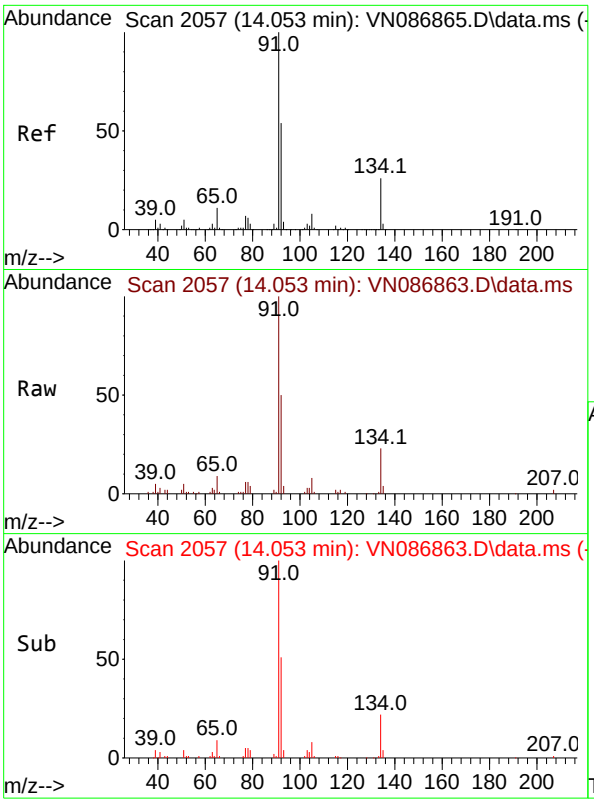


#88
1,4-Dichlorobenzene
Concen: 5.330 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:146 Resp: 32342

Ion	Ratio	Lower	Upper
146	100		
111	46.1	19.9	59.7
148	63.3	31.8	95.4

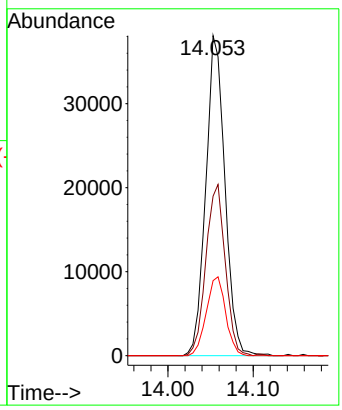




#89
n-Butylbenzene
Concen: 5.142 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 91 Resp: 5960

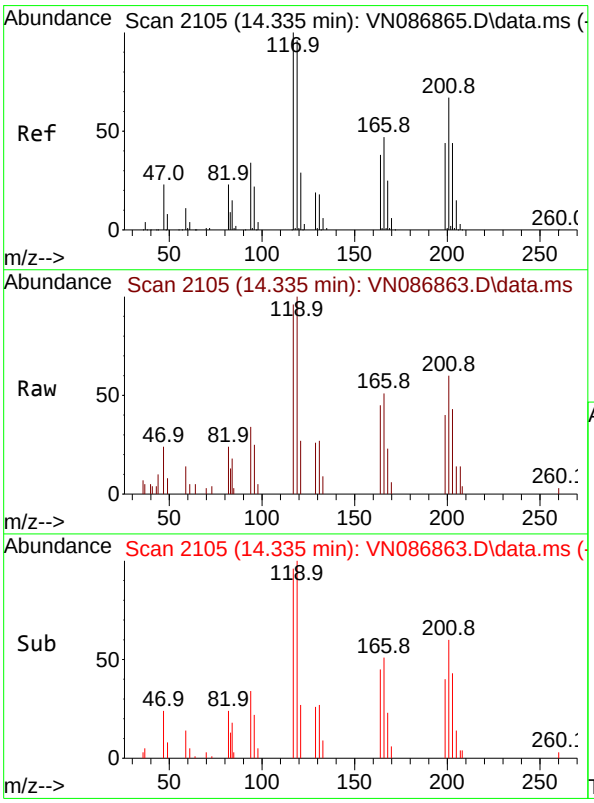
Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.5	82.4
134	24.9	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

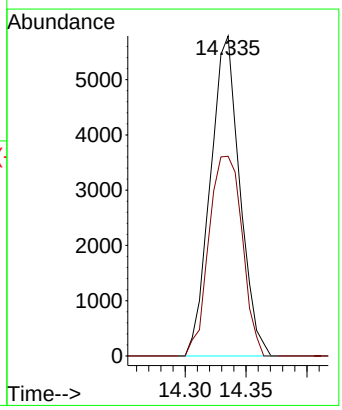
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

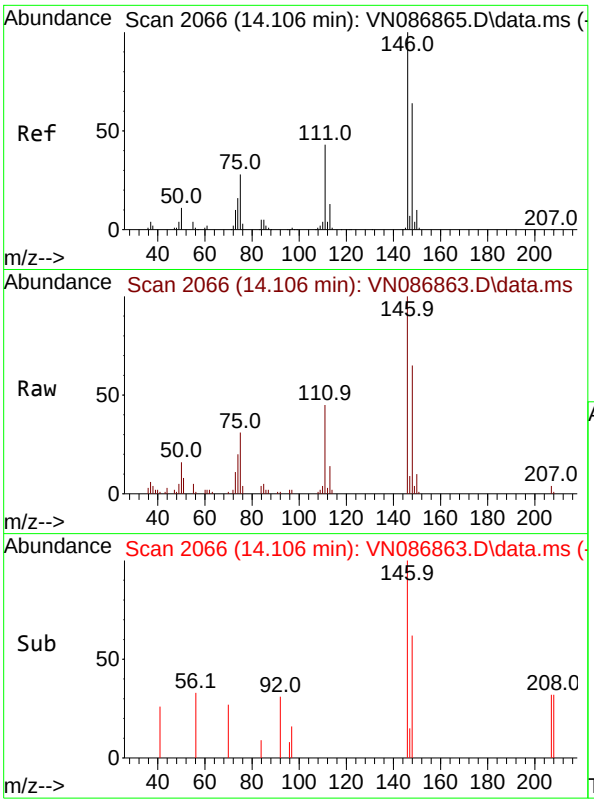


#90
Hexachloroethane
Concen: 4.794 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:117 Resp: 9725

Ion	Ratio	Lower	Upper
117	100		
201	70.6	33.2	99.6

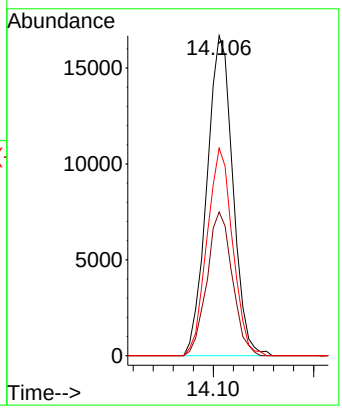




#91
1,2-Dichlorobenzene
Concen: 5.228 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:146 Resp: 2989

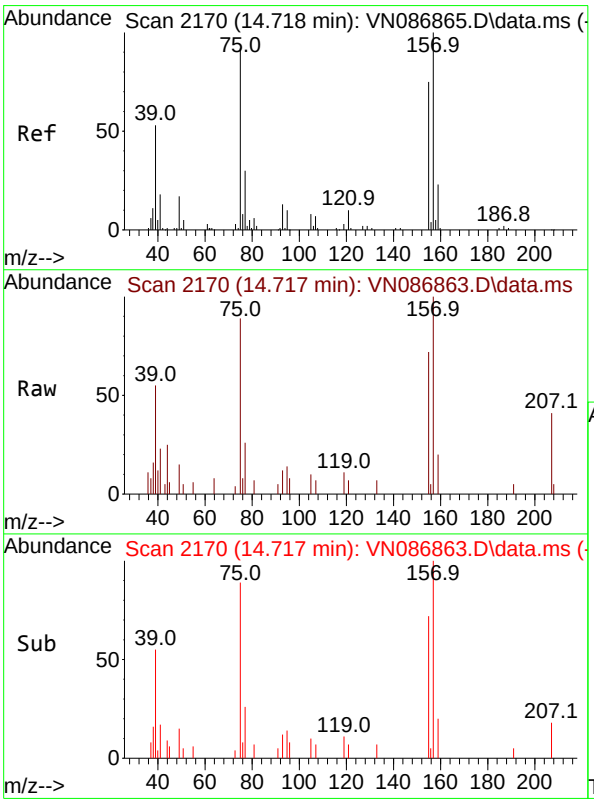
Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.6	64.6
148	64.3	31.7	95.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

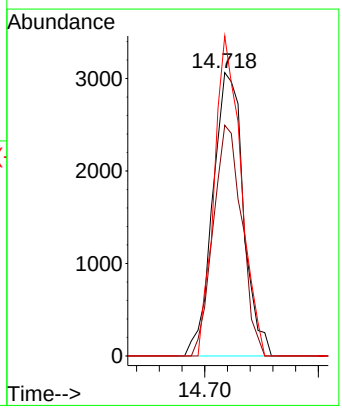
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

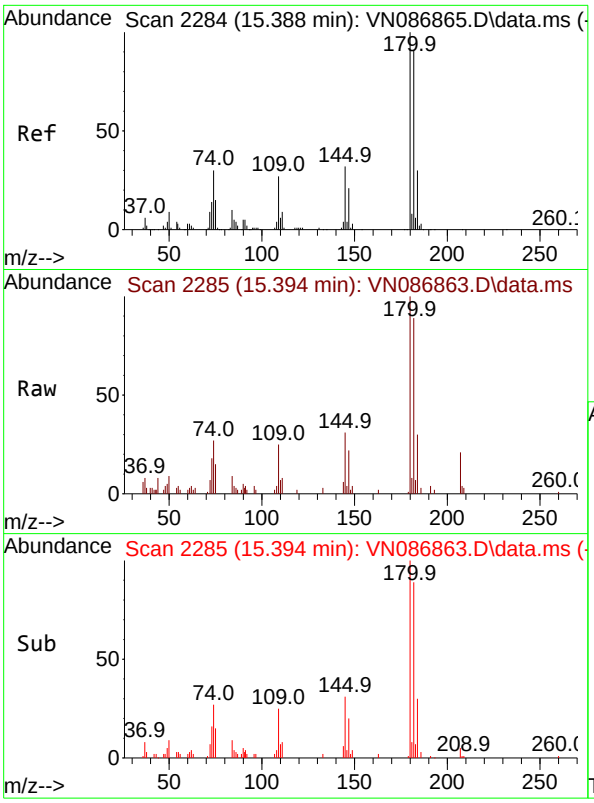


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.363 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 75 Resp: 5731

Ion	Ratio	Lower	Upper
75	100		
155	76.0	41.1	123.4
157	98.8	52.7	158.1

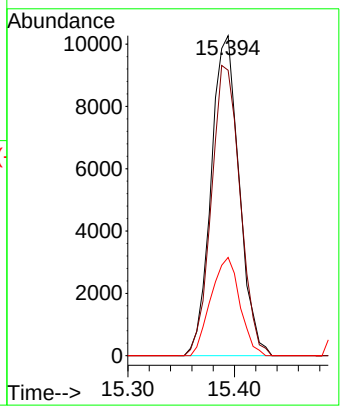




#93
1,2,4-Trichlorobenzene
Concen: 5.143 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:180 Resp: 1877

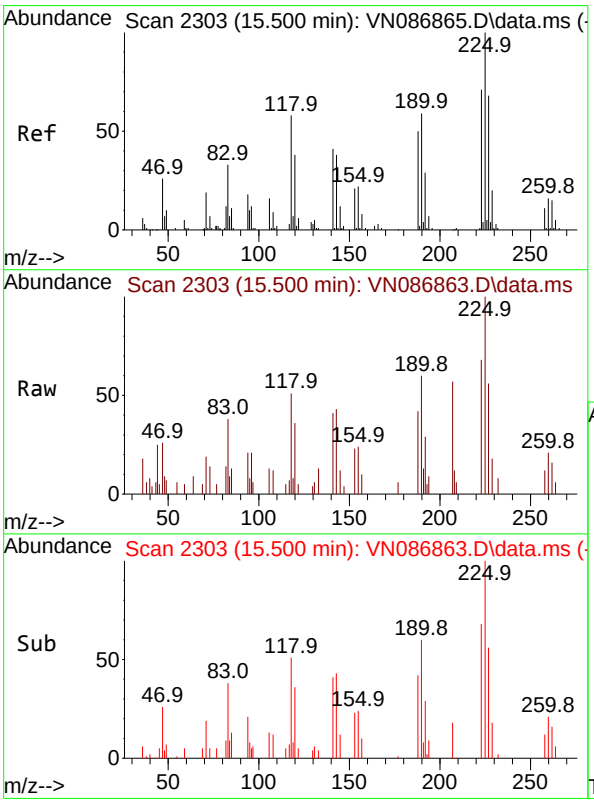
Ion	Ratio	Lower	Upper
180	100		
182	92.6	46.9	140.7
145	31.7	16.0	47.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

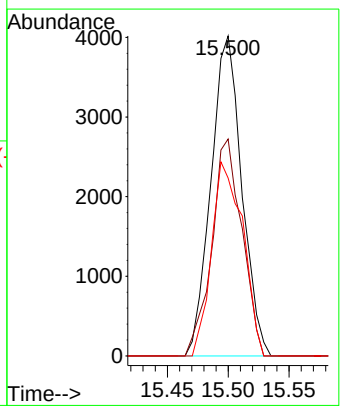
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

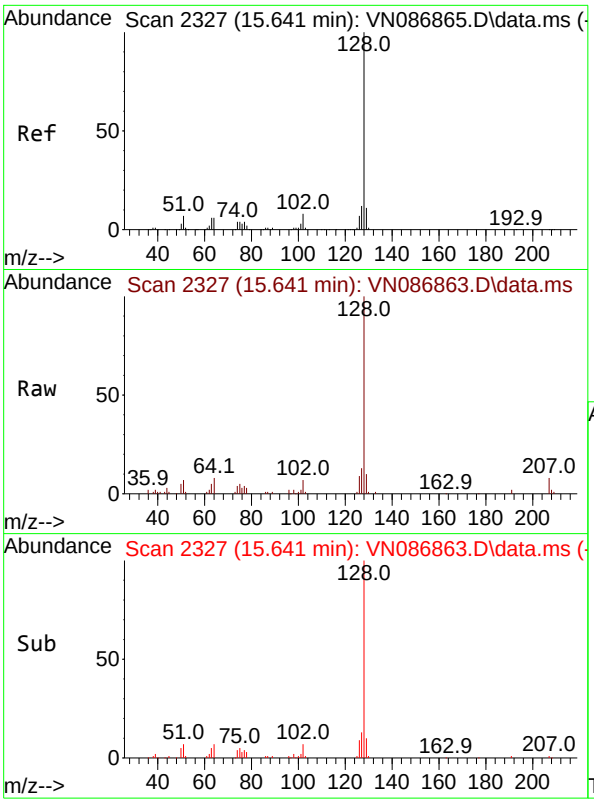


#94
Hexachlorobutadiene
Concen: 5.199 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:225 Resp: 7072

Ion	Ratio	Lower	Upper
225	100		
223	66.4	33.5	100.4
227	61.7	31.1	93.5

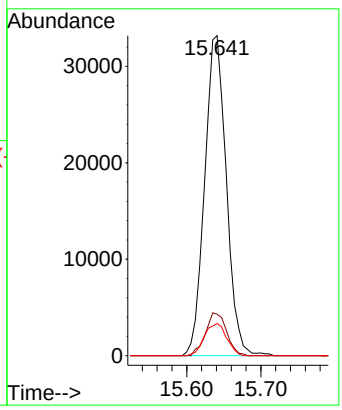




#95
Naphthalene
Concen: 4.965 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:128 Resp: 6748

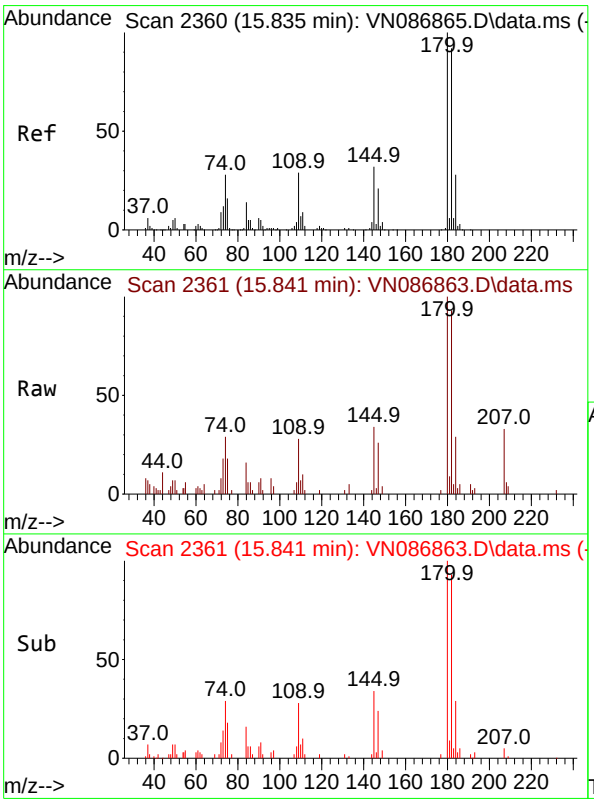
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.3	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

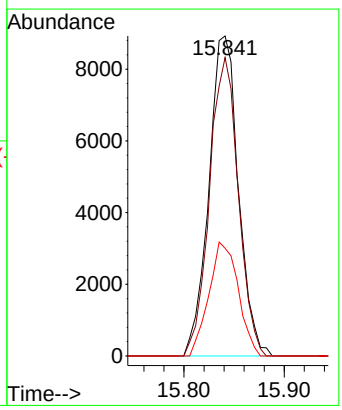
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



#96
1,2,3-Trichlorobenzene
Concen: 5.034 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:180 Resp: 18262

Ion	Ratio	Lower	Upper
180	100		
182	90.9	47.0	141.0
145	35.3	16.6	49.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	224006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	418154	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	363172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	181178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	63390	21.136	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	42.280%#		
35) Dibromofluoromethane	8.177	113	51797	20.902	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	41.800%#		
50) Toluene-d8	10.571	98	201268	20.516	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	41.040%#		
62) 4-Bromofluorobenzene	12.853	95	74622	20.474	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	40.940%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.159	85	48254	21.605	ug/l	92
3) Chloromethane	2.401	50	57778	20.033	ug/l	93
4) Vinyl Chloride	2.559	62	61254	20.589	ug/l	99
5) Bromomethane	3.006	94	34022	20.435	ug/l	95
6) Chloroethane	3.159	64	39625	20.619	ug/l	99
7) Trichlorofluoromethane	3.524	101	80978	20.832	ug/l	94
8) Diethyl Ether	3.983	74	34288	20.245	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.395	101	50458	20.661	ug/l	98
10) Methyl Iodide	4.612	142	65360	20.646	ug/l	98
11) Tert butyl alcohol	5.547	59	87102	107.031	ug/l	99
12) 1,1-Dichloroethene	4.359	96	50485	20.249	ug/l	96
13) Acrolein	4.200	56	22866	88.767	ug/l	97
14) Allyl chloride	5.047	41	82924	20.055	ug/l	98
15) Acrylonitrile	5.742	53	199498	104.881	ug/l	99
16) Acetone	4.447	43	163979	103.099	ug/l	98
17) Carbon Disulfide	4.736	76	138195	20.038	ug/l	97
18) Methyl Acetate	5.047	43	96547	20.830	ug/l	99
19) Methyl tert-butyl Ether	5.818	73	183780	20.358	ug/l	98
20) Methylene Chloride	5.294	84	57611	19.348	ug/l	98
21) trans-1,2-Dichloroethene	5.806	96	55643	20.059	ug/l	94
22) Diisopropyl ether	6.689	45	182472	20.935	ug/l	98
23) Vinyl Acetate	6.624	43	768556	104.365	ug/l	99
24) 1,1-Dichloroethane	6.583	63	103578	20.650	ug/l	99
25) 2-Butanone	7.494	43	270477	104.621	ug/l	100
26) 2,2-Dichloropropane	7.506	77	69692	17.862	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	68292	20.585	ug/l	98
28) Bromochloromethane	7.824	49	55196	22.381	ug/l	99
29) Tetrahydrofuran	7.853	42	178571	106.031	ug/l	99
30) Chloroform	7.977	83	102615	20.485	ug/l	93
31) Cyclohexane	8.271	56	100026	20.563	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	86810	20.376	ug/l	98
36) 1,1-Dichloropropene	8.383	75	73252	19.838	ug/l	100
37) Ethyl Acetate	7.571	43	96467	20.522	ug/l	98
38) Carbon Tetrachloride	8.377	117	72628	20.034	ug/l	97
39) Methylcyclohexane	9.606	83	98425	19.455	ug/l	99
40) Benzene	8.612	78	241444	19.996	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	53244	20.169	ug/l		98
42) 1,2-Dichloroethane	8.677	62	74238	20.270	ug/l		100
43) Isopropyl Acetate	8.694	43	151601	20.094	ug/l		99
44) Trichloroethene	9.359	130	57110	19.946	ug/l		96
45) 1,2-Dichloropropane	9.630	63	59293	20.184	ug/l		97
46) Dibromomethane	9.712	93	40290	20.648	ug/l		98
47) Bromodichloromethane	9.894	83	80353	20.015	ug/l		98
48) Methyl methacrylate	9.682	41	70457	20.290	ug/l		97
49) 1,4-Dioxane	9.706	88	28231	446.886	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.447	43	481741	106.066	ug/l		99
52) Toluene	10.635	92	148000	20.056	ug/l		98
53) t-1,3-Dichloropropene	10.841	75	87683	19.532	ug/l		99
54) cis-1,3-Dichloropropene	10.318	75	94315	19.636	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	57195	20.143	ug/l		99
56) Ethyl methacrylate	10.882	69	94829	20.968	ug/l		98
57) 1,3-Dichloropropane	11.165	76	98205	19.938	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	278986	103.426	ug/l		99
59) 2-Hexanone	11.206	43	303686	103.803	ug/l		95
60) Dibromochloromethane	11.359	129	59961	20.268	ug/l		99
61) 1,2-Dibromoethane	11.471	107	59139	20.320	ug/l		97
64) Tetrachloroethene	11.106	164	45374	19.742	ug/l		96
65) Chlorobenzene	11.894	112	160803	20.076	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	52069	20.223	ug/l		99
67) Ethyl Benzene	11.965	91	277087	20.083	ug/l		98
68) m/p-Xylenes	12.071	106	215378	40.780	ug/l		100
69) o-Xylene	12.400	106	102050	20.175	ug/l		98
70) Styrene	12.412	104	178061	20.572	ug/l		99
71) Bromoform	12.576	173	40070	21.004	ug/l	#	99
73) Isopropylbenzene	12.694	105	264442	20.035	ug/l		100
74) N-amyl acetate	12.523	43	86003	19.633	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.941	83	92264	20.634	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	81846m	18.945	ug/l		
77) Bromobenzene	12.982	156	60877	20.111	ug/l		98
78) n-propylbenzene	13.035	91	322436	20.102	ug/l		100
79) 2-Chlorotoluene	13.123	91	193774	20.144	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	219937	20.183	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	37808	20.209	ug/l		92
82) 4-Chlorotoluene	13.223	91	193544	19.885	ug/l		99
83) tert-Butylbenzene	13.435	119	198303	19.880	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	221990	20.315	ug/l		100
85) sec-Butylbenzene	13.617	105	292563	20.196	ug/l		100
86) p-Isopropyltoluene	13.729	119	240682	20.099	ug/l		100
87) 1,3-Dichlorobenzene	13.735	146	120099	20.166	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	120102	19.780	ug/l		97
89) n-Butylbenzene	14.053	91	227536	19.617	ug/l		100
90) Hexachloroethane	14.335	117	41202	20.299	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	115645	20.212	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	21025	19.661	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	71826	19.659	ug/l		98
94) Hexachlorobutadiene	15.500	225	27887	20.486	ug/l		97
95) Naphthalene	15.641	128	272584	20.043	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	71929	19.815	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 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

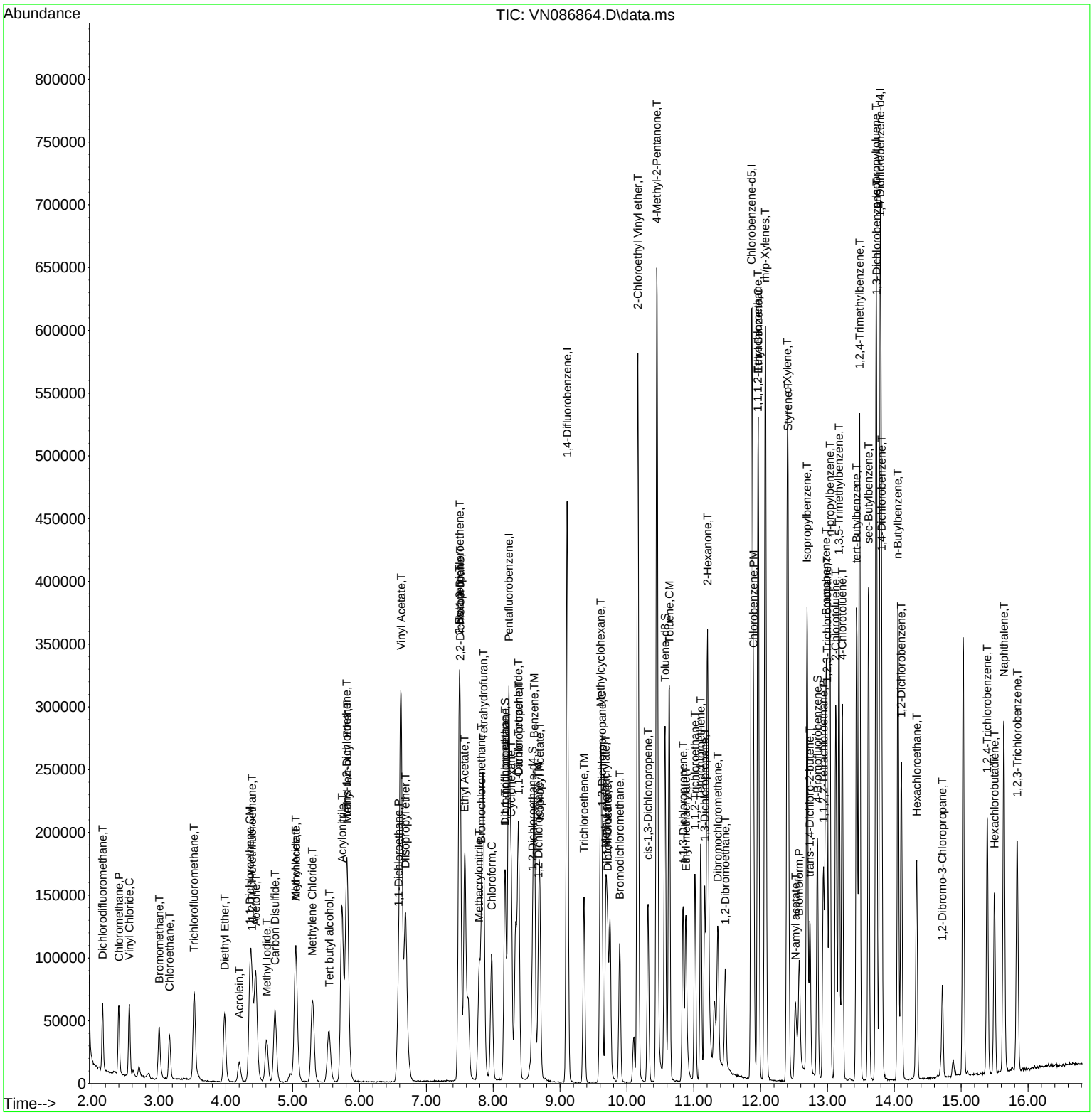
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

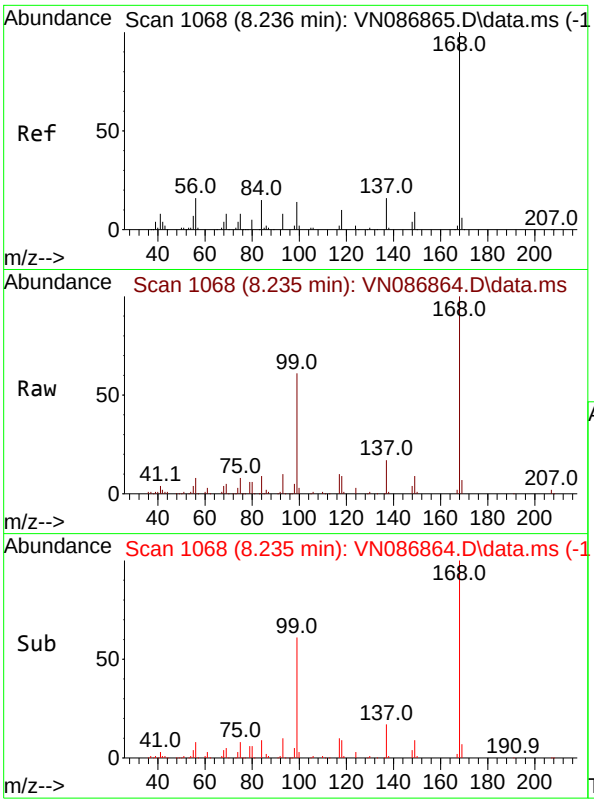
Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

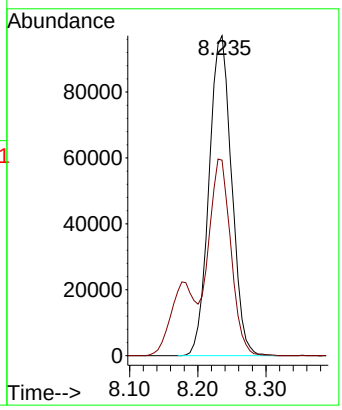




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:168 Resp: 22400

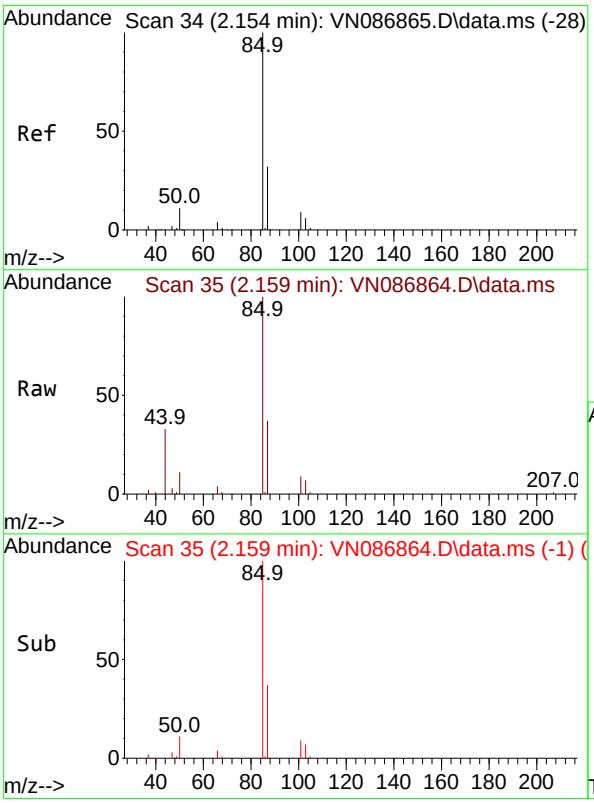
Ion	Ratio	Lower	Upper
168	100		
99	61.1	49.1	73.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

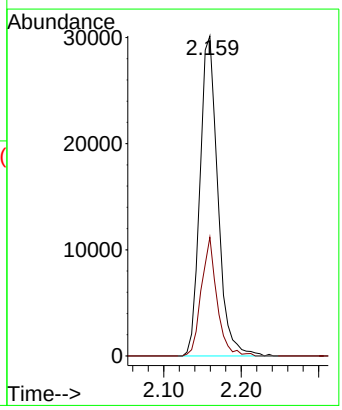
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

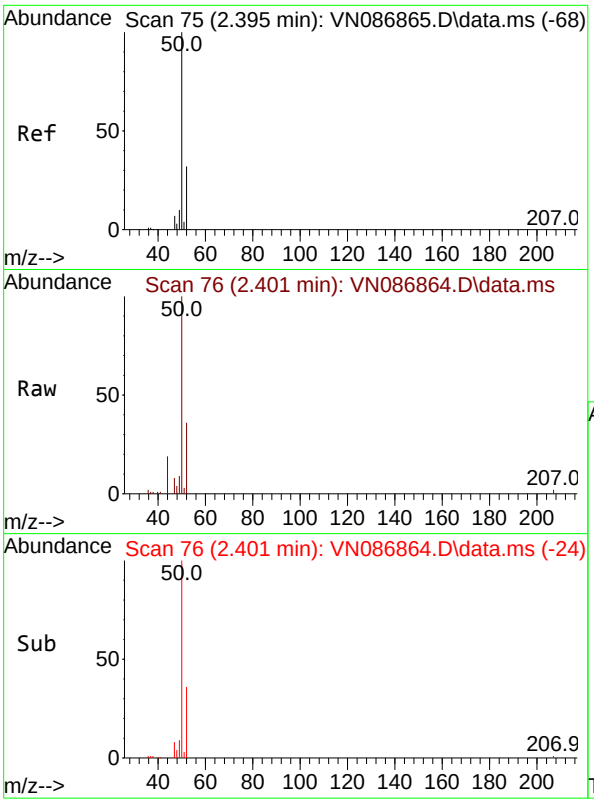


#2
Dichlorodifluoromethane
Concen: 21.605 ug/l
RT: 2.159 min Scan# 35
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 85 Resp: 48254

Ion	Ratio	Lower	Upper
85	100		
87	37.1	16.2	48.6

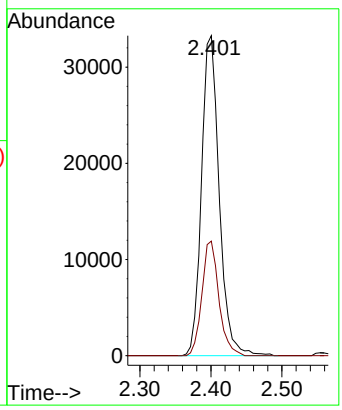




#3
Chloromethane
Concen: 20.033 ug/l
RT: 2.401 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 50 Resp: 5777

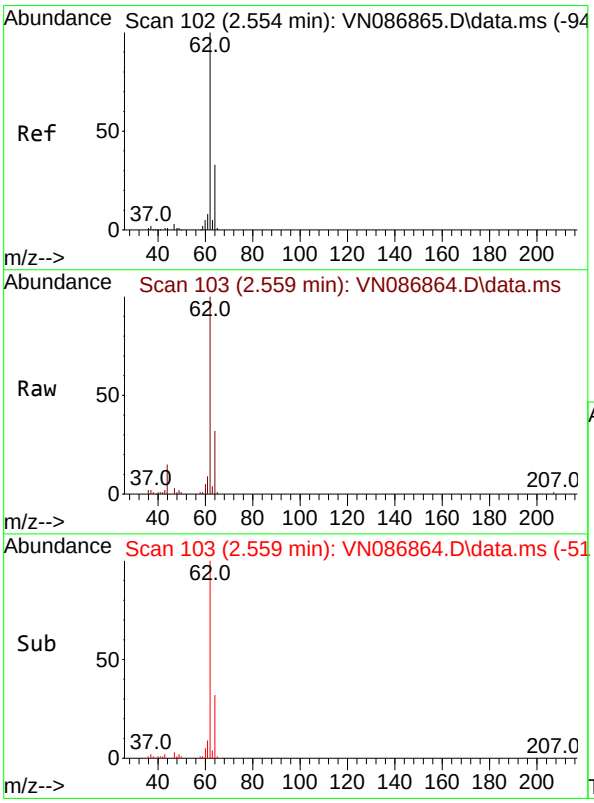
Ion	Ratio	Lower	Upper
50	100		
52	35.8	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

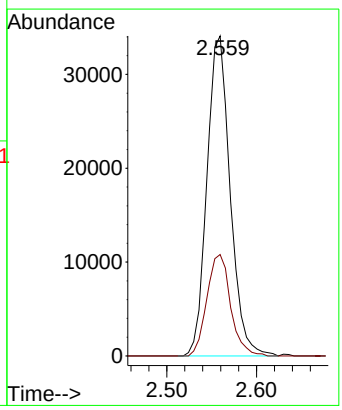
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

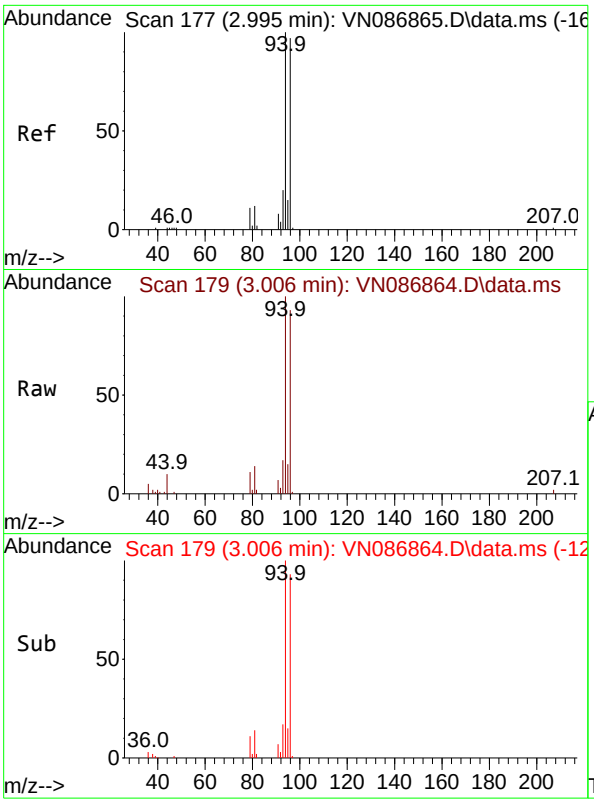


#4
Vinyl Chloride
Concen: 20.589 ug/l
RT: 2.559 min Scan# 103
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 62 Resp: 61254

Ion	Ratio	Lower	Upper
62	100		
64	31.7	26.0	39.0

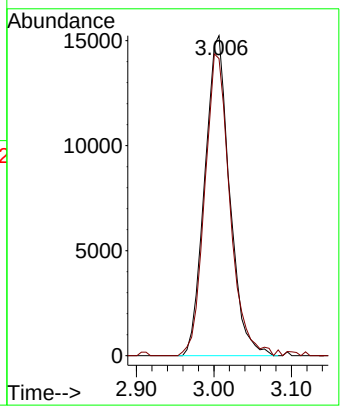




#5
Bromomethane
Concen: 20.435 ug/l
RT: 3.006 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 94 Resp: 3402

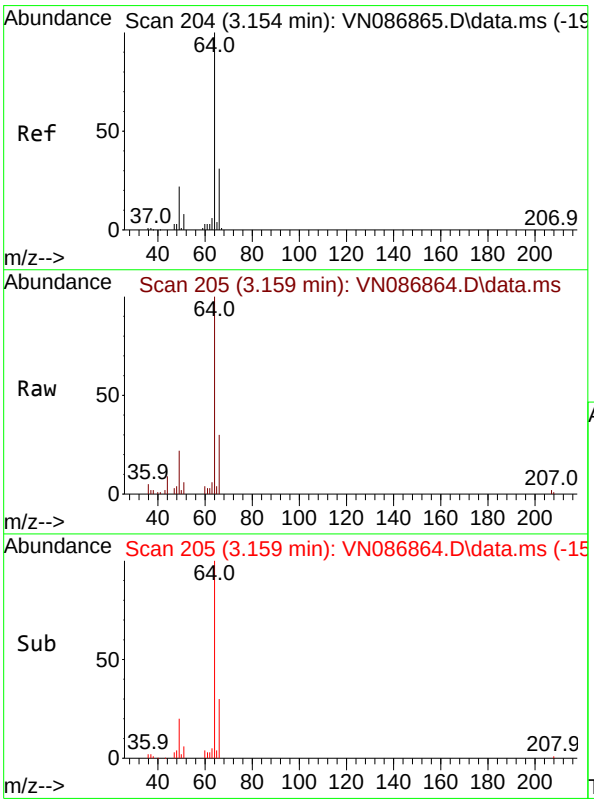
Ion	Ratio	Lower	Upper
94	100		
96	92.9	77.9	116.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

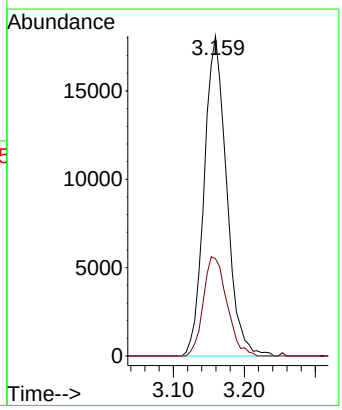
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

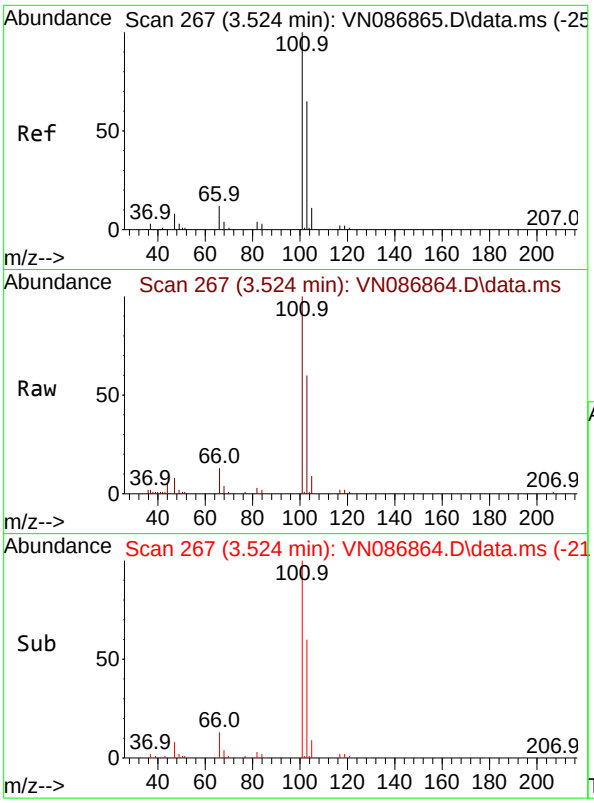


#6
Chloroethane
Concen: 20.619 ug/l
RT: 3.159 min Scan# 205
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 64 Resp: 39625

Ion	Ratio	Lower	Upper
64	100		
66	30.4	24.6	36.8

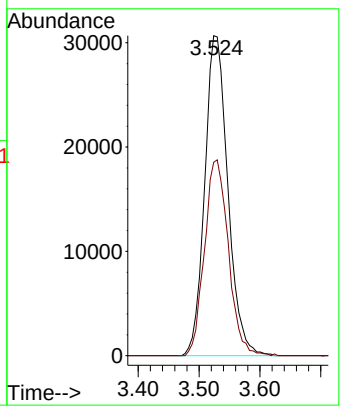




#7
Trichlorofluoromethane
Concen: 20.832 ug/l
RT: 3.524 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:101 Resp: 8097

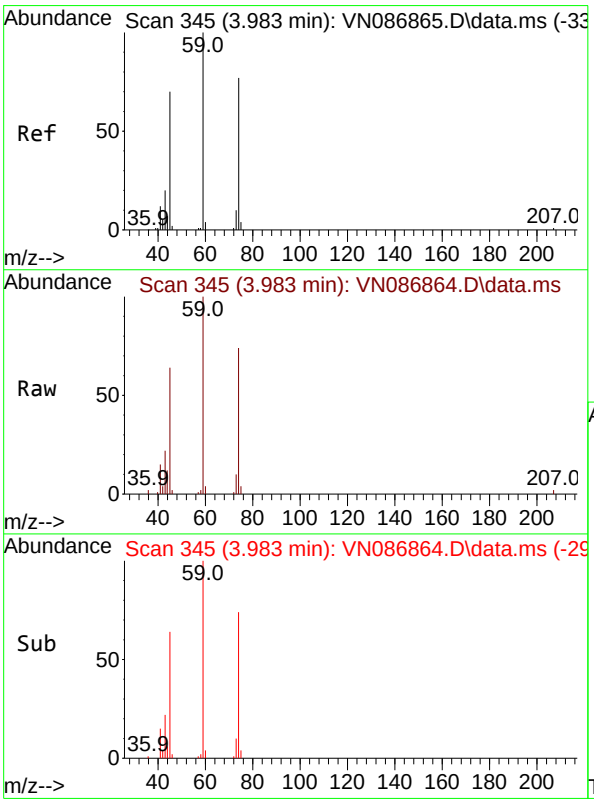
Ion	Ratio	Lower	Upper
101	100		
103	60.4	52.2	78.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

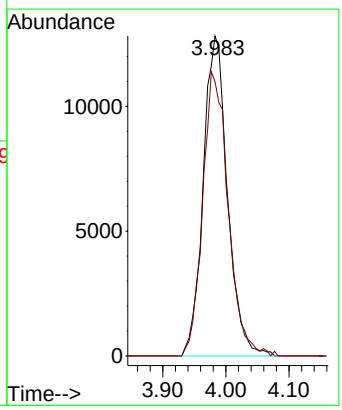
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

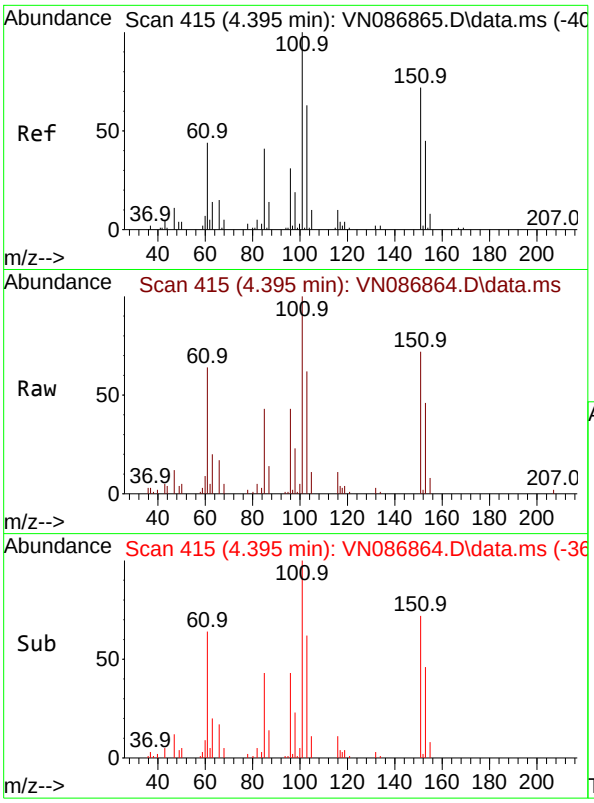


#8
Diethyl Ether
Concen: 20.245 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 74 Resp: 34288

Ion	Ratio	Lower	Upper
74	100		
45	92.9	45.5	136.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.661 ug/l
RT: 4.395 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

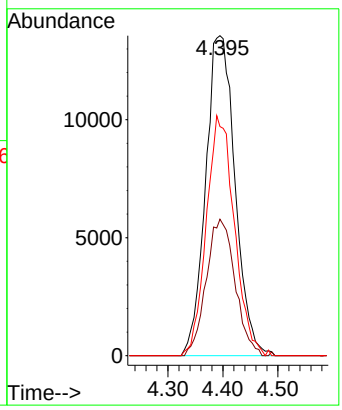
Tgt Ion:101 Resp: 5045

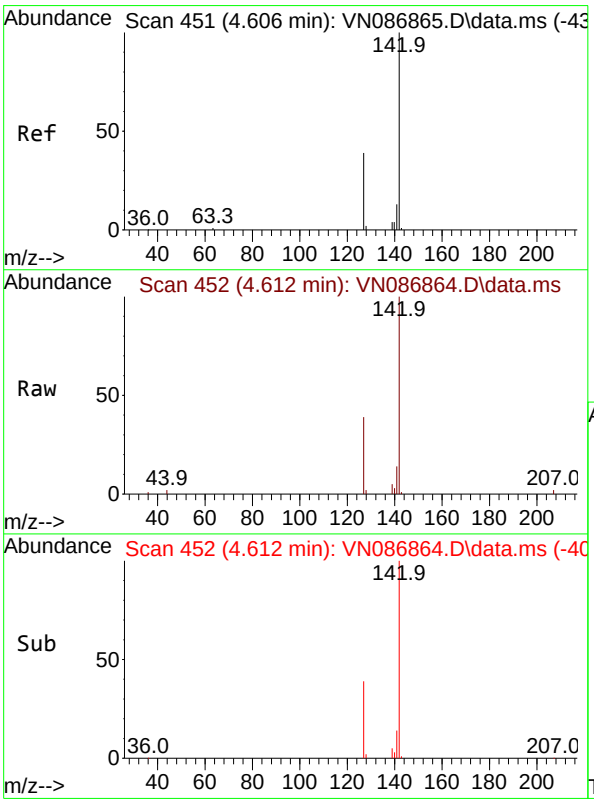
Ion	Ratio	Lower	Upper
101	100		
85	41.7	33.8	50.8
151	71.3	58.7	88.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

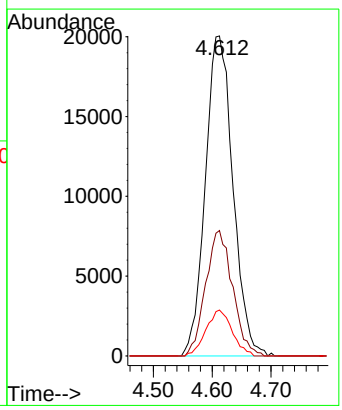


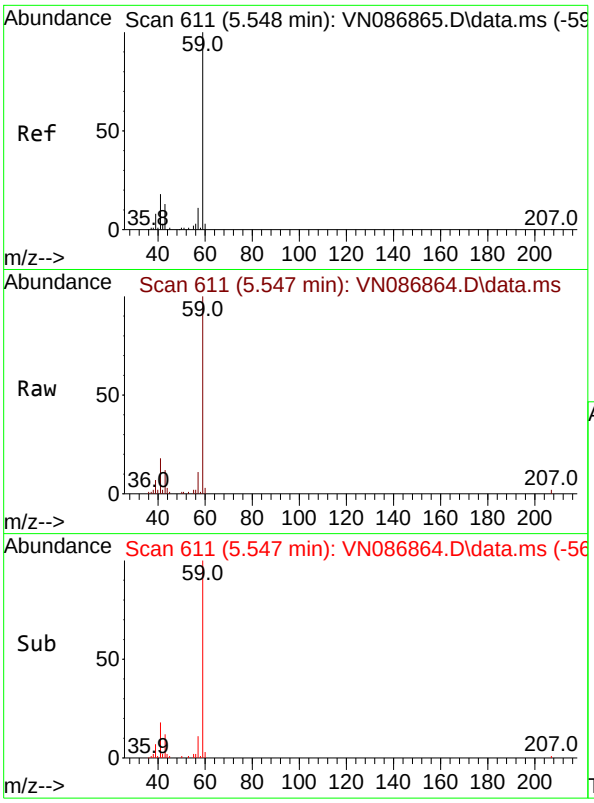


#10
Methyl Iodide
Concen: 20.646 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:142 Resp: 65360

Ion	Ratio	Lower	Upper
142	100		
127	39.2	30.9	46.3
141	14.3	10.4	15.6

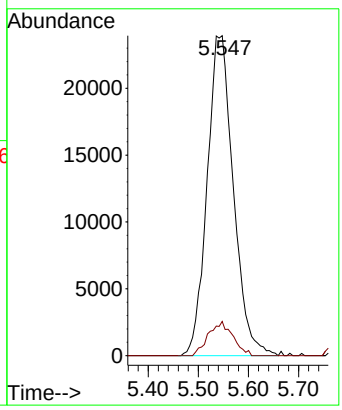




#11
Tert butyl alcohol
Concen: 107.031 ug/l
RT: 5.547 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 59 Resp: 8710

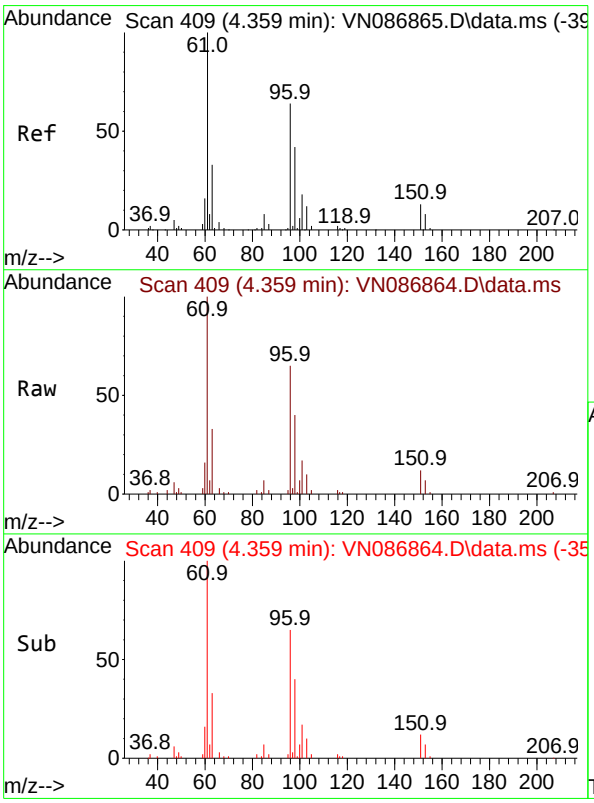
Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.1	12.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

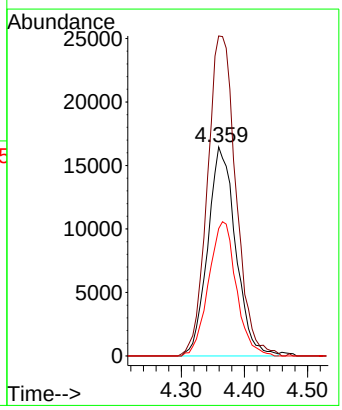
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

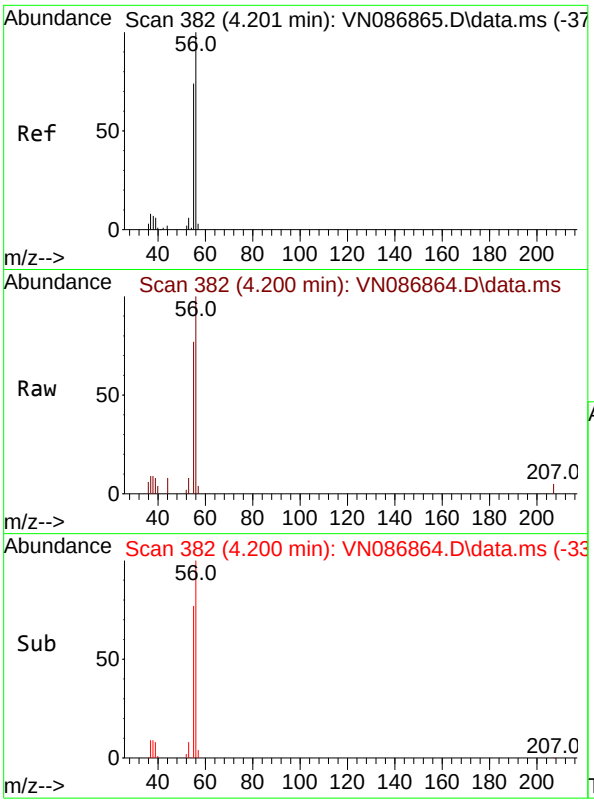


#12
1,1-Dichloroethene
Concen: 20.249 ug/l
RT: 4.359 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 96 Resp: 50485

Ion	Ratio	Lower	Upper
96	100		
61	153.1	125.8	188.6
98	61.0	52.5	78.7

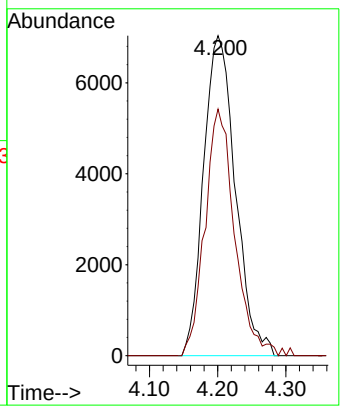




#13
Acrolein
Concen: 88.767 ug/l
RT: 4.200 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 56 Resp: 2286

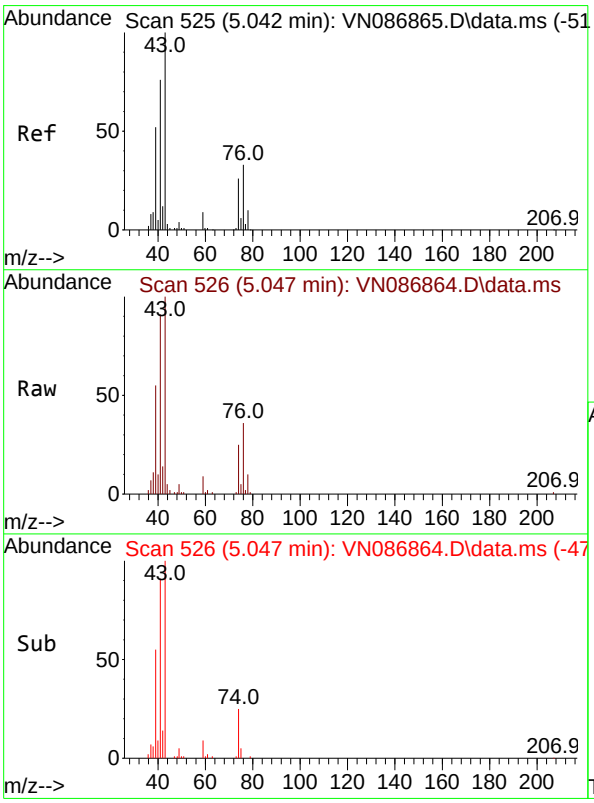
Ion	Ratio	Lower	Upper
56	100		
55	71.6	55.6	83.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

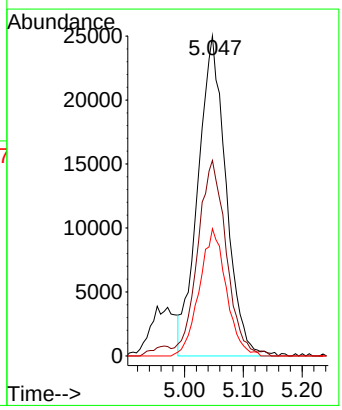
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

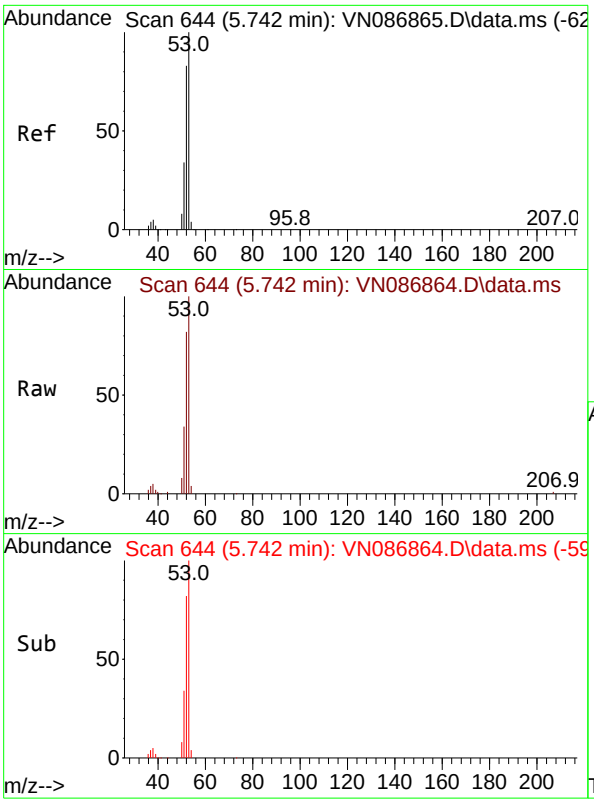


#14
Allyl chloride
Concen: 20.055 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 41 Resp: 82924

Ion	Ratio	Lower	Upper
41	100		
39	62.6	51.3	76.9
76	38.1	31.4	47.0





#15
Acrylonitrile
Concen: 104.881 ug/l
RT: 5.742 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

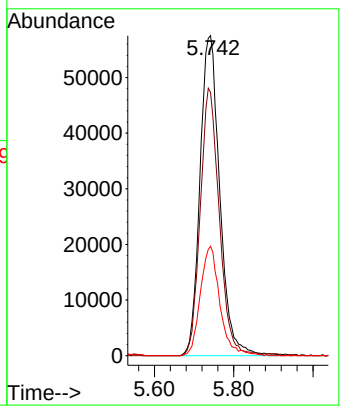
Tgt Ion: 53 Resp: 19949

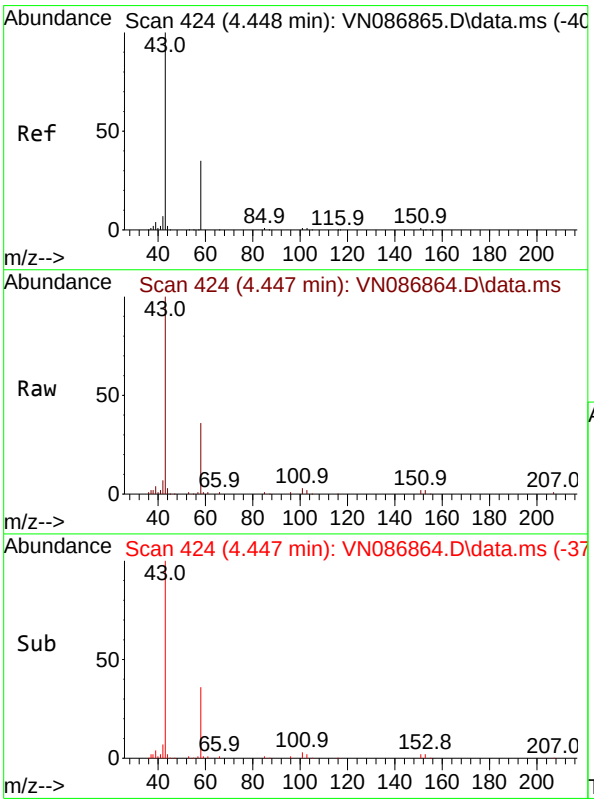
Ion	Ratio	Lower	Upper
53	100		
52	80.3	65.0	97.6
51	33.7	27.2	40.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

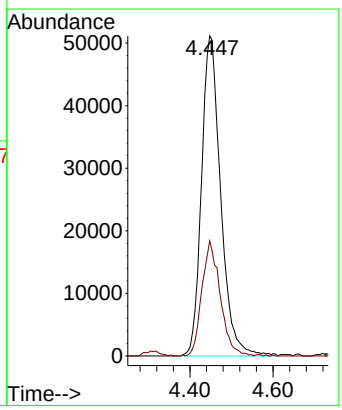


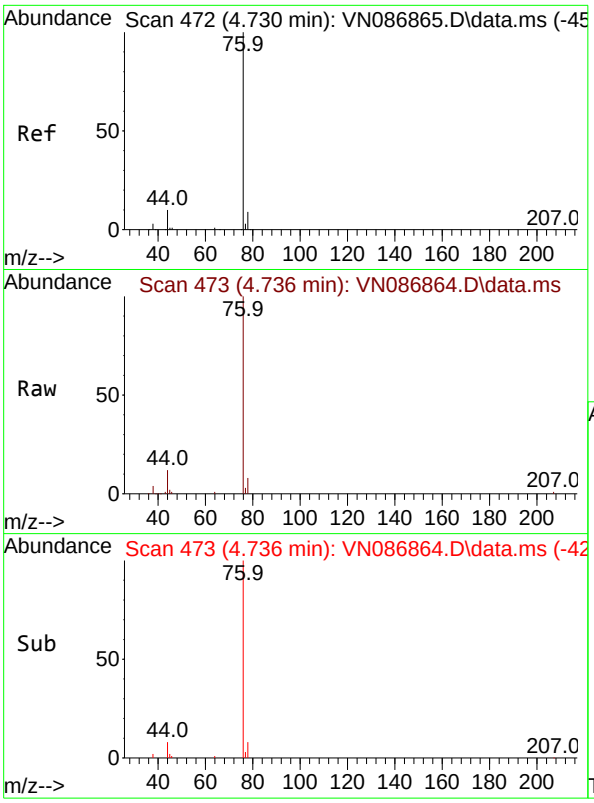


#16
Acetone
Concen: 103.099 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 43 Resp: 163979

Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.0	42.0

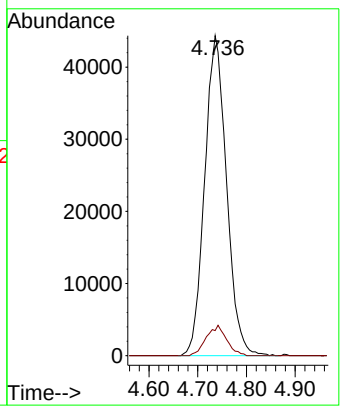




#17
Carbon Disulfide
Concen: 20.038 ug/l
RT: 4.736 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 76 Resp: 13819

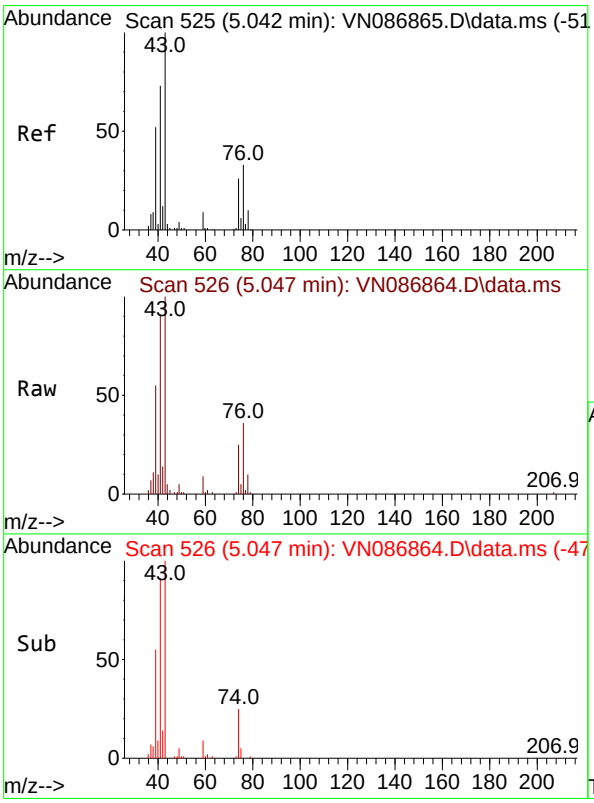
Ion	Ratio	Lower	Upper
76	100		
78	7.8	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

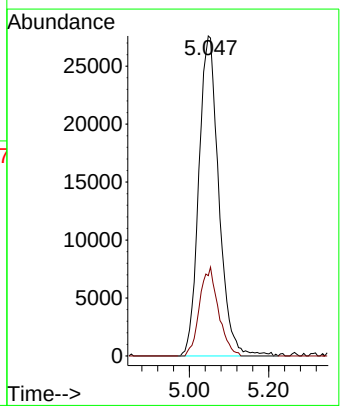
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

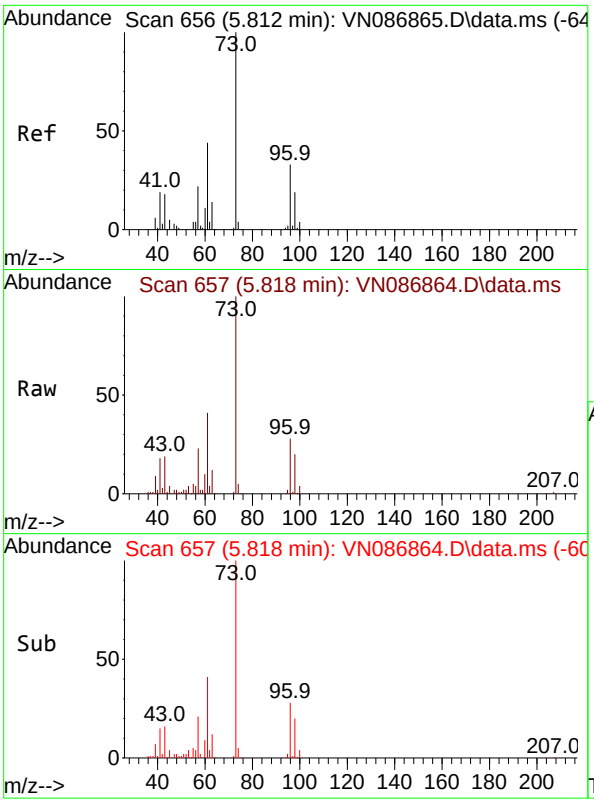


#18
Methyl Acetate
Concen: 20.830 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 43 Resp: 96547

Ion	Ratio	Lower	Upper
43	100		
74	26.2	20.7	31.1

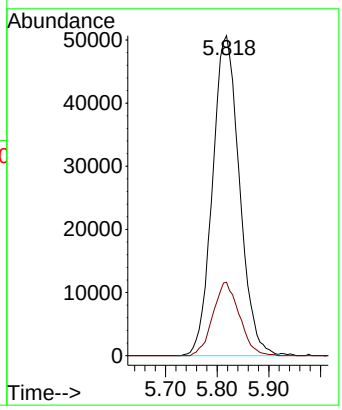




#19
Methyl tert-butyl Ether
Concen: 20.358 ug/l
RT: 5.818 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 73 Resp: 18378

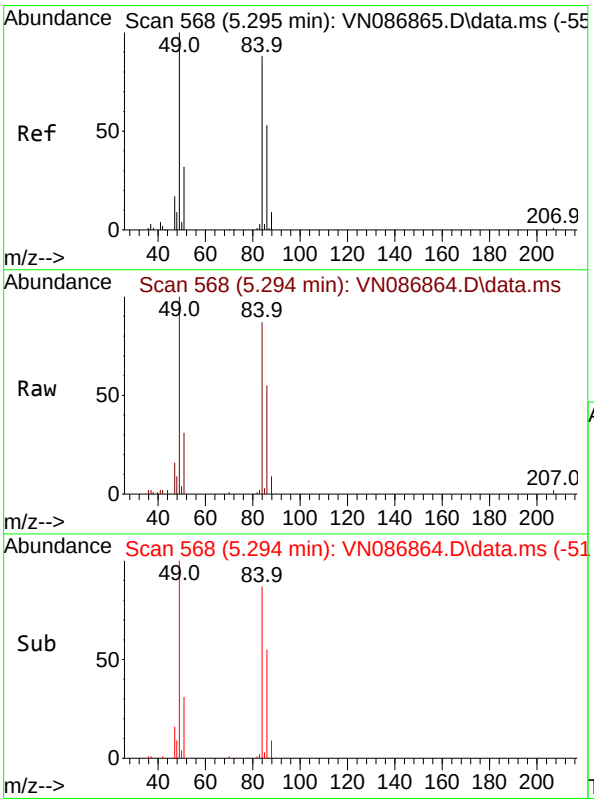
Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.4	26.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

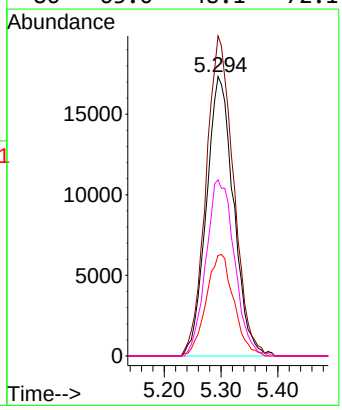
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

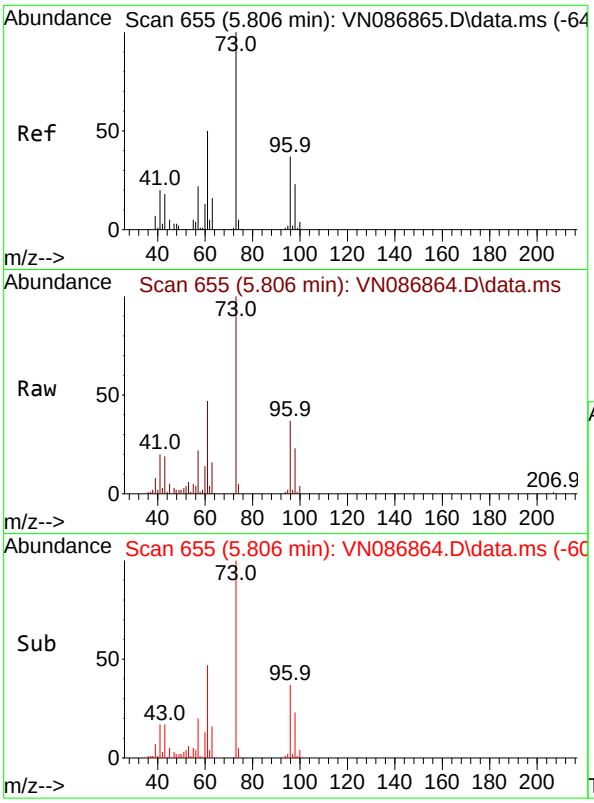


#20
Methylene Chloride
Concen: 19.348 ug/l
RT: 5.294 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 84 Resp: 57611

Ion	Ratio	Lower	Upper
84	100		
49	114.5	90.5	135.7
51	35.9	28.5	42.7
86	63.0	48.1	72.1

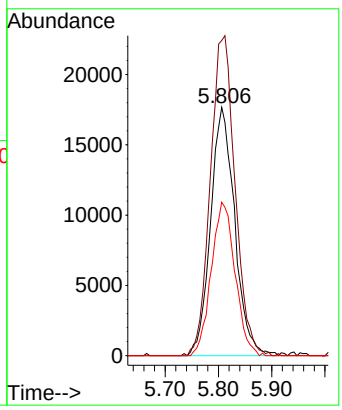




#21
trans-1,2-Dichloroethene
Concen: 20.059 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 96 Resp: 5564

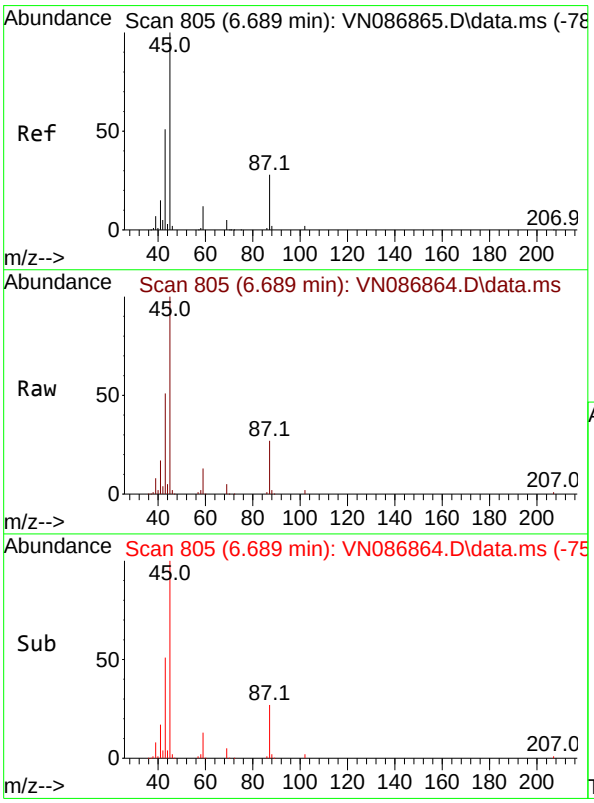
Ion	Ratio	Lower	Upper
96	100		
61	126.9	109.2	163.8
98	61.8	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

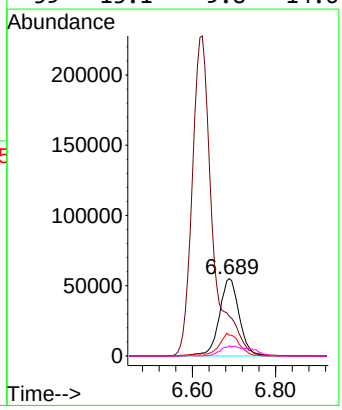
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

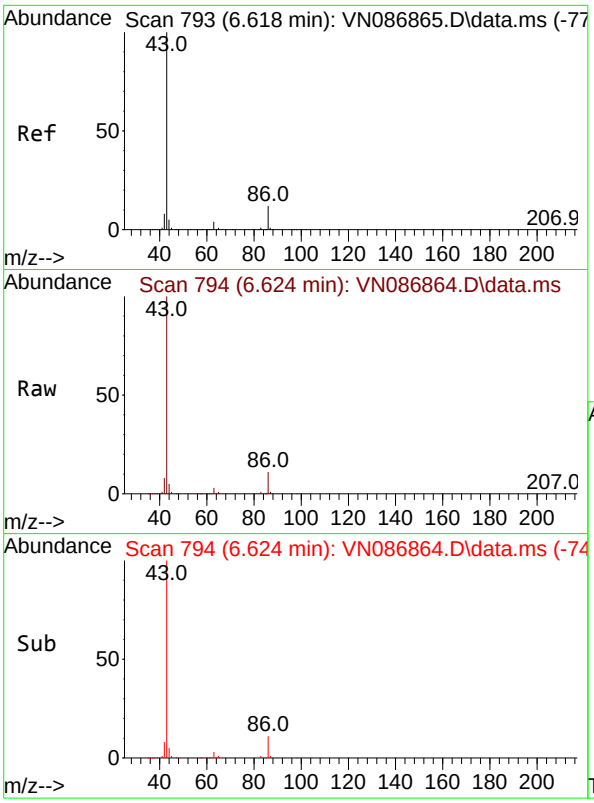


#22
Diisopropyl ether
Concen: 20.935 ug/l
RT: 6.689 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 45 Resp: 182472

Ion	Ratio	Lower	Upper
45	100		
43	50.7	41.9	62.9
87	27.0	22.4	33.6
59	13.1	9.8	14.6

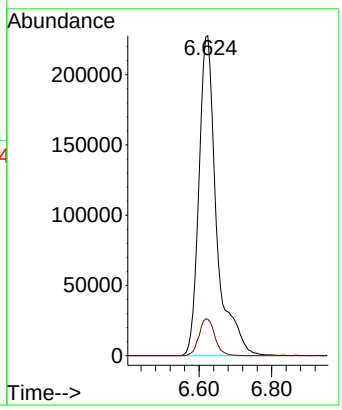




#23
Vinyl Acetate
Concen: 104.365 ug/l
RT: 6.624 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 43 Resp: 76855

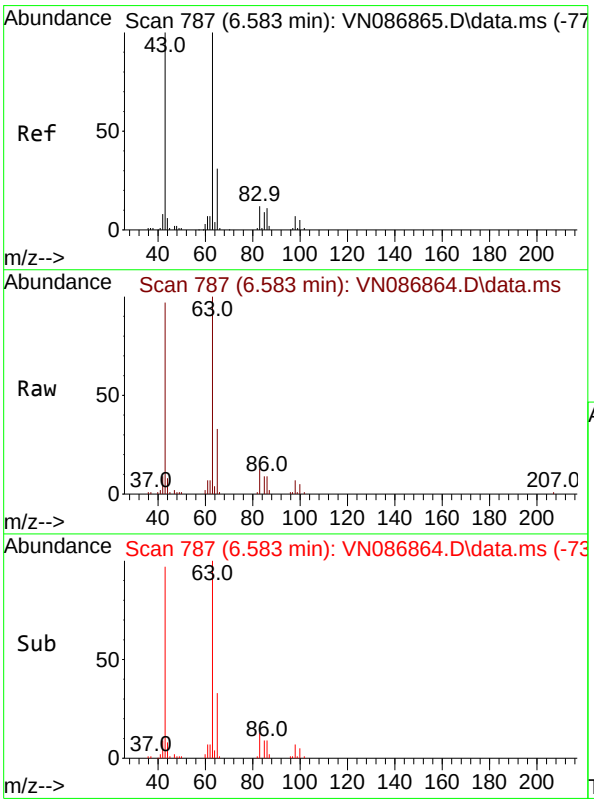
Ion	Ratio	Lower	Upper
43	100		
86	11.4	9.5	14.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

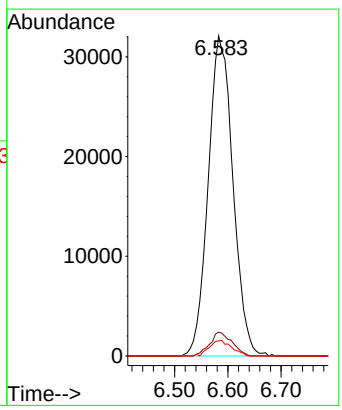
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

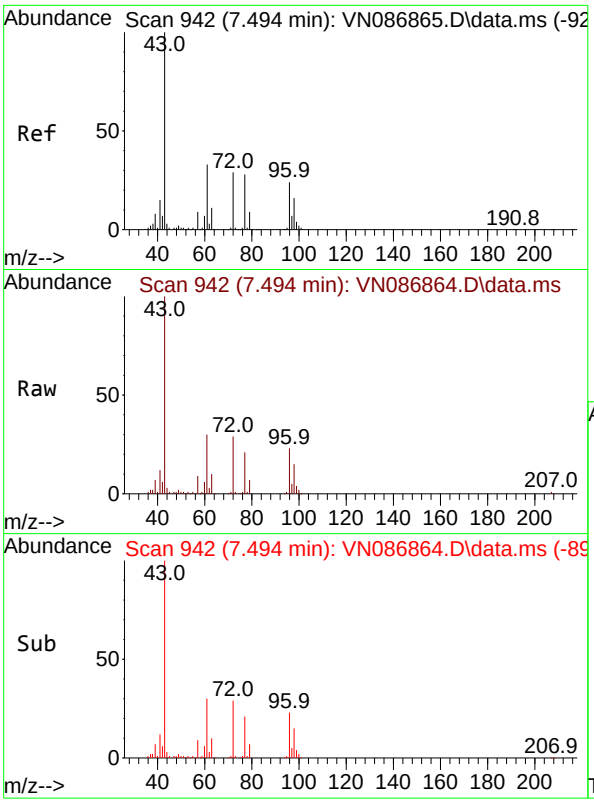


#24
1,1-Dichloroethane
Concen: 20.650 ug/l
RT: 6.583 min Scan# 787
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 63 Resp: 103578

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.6	10.8
100	4.7	2.6	7.8





#25
2-Butanone
Concen: 104.621 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

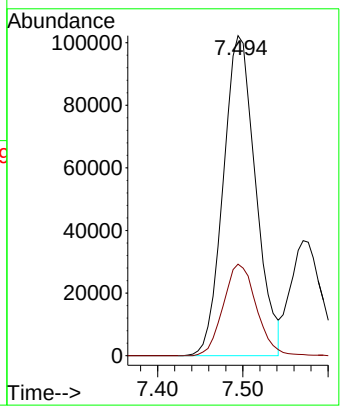
Tgt Ion: 43 Resp: 27047

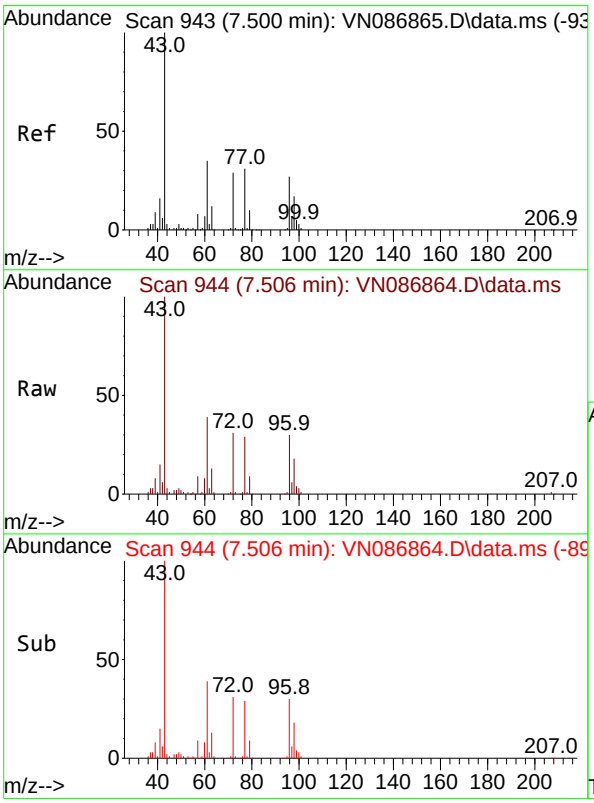
Ion	Ratio	Lower	Upper
43	100		
72	28.6	23.0	34.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

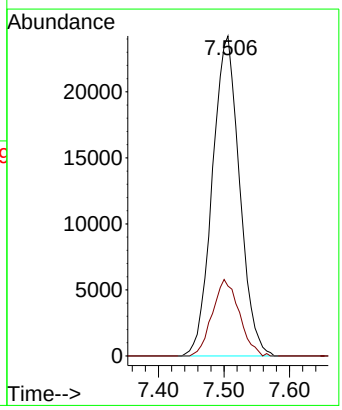


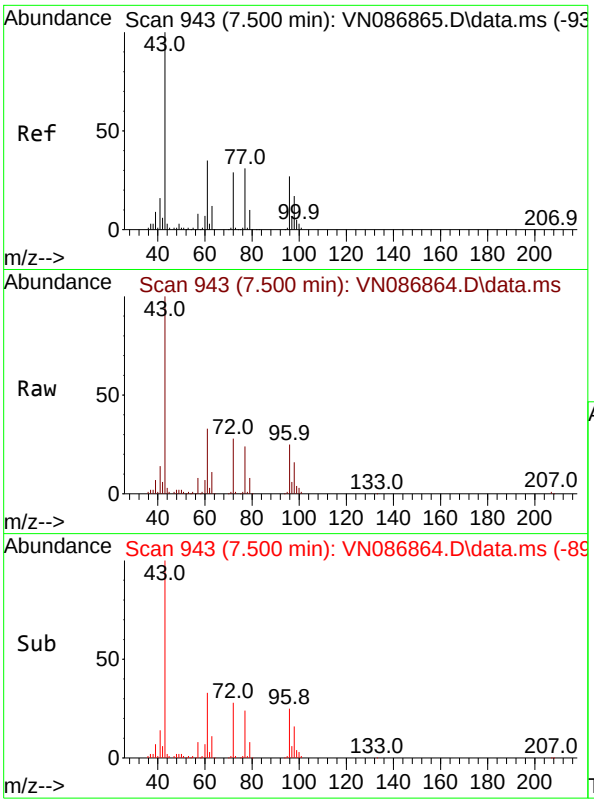


#26
2,2-Dichloropropane
Concen: 17.862 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 77 Resp: 69692

Ion	Ratio	Lower	Upper
77	100		
97	23.7	11.6	34.7





#27
cis-1,2-Dichloroethene
Concen: 20.585 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

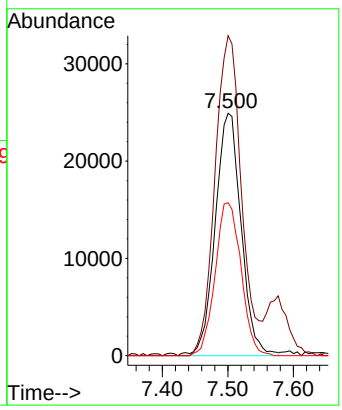
Tgt Ion: 96 Resp: 6829

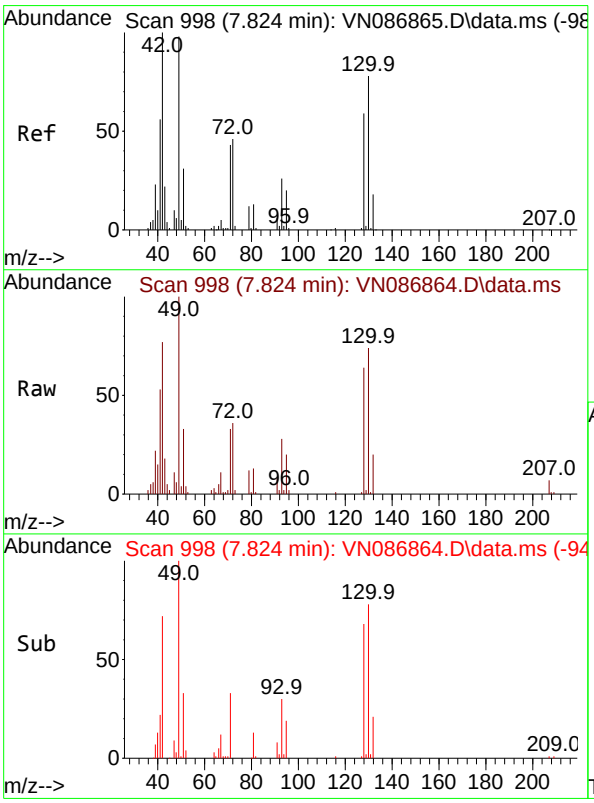
Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	278.0
98	63.0	0.0	128.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

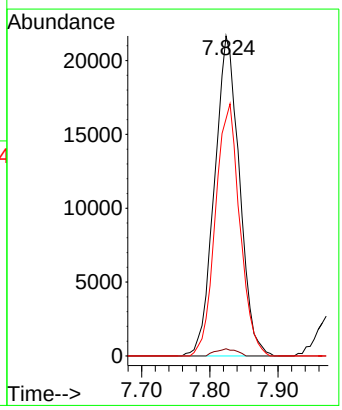


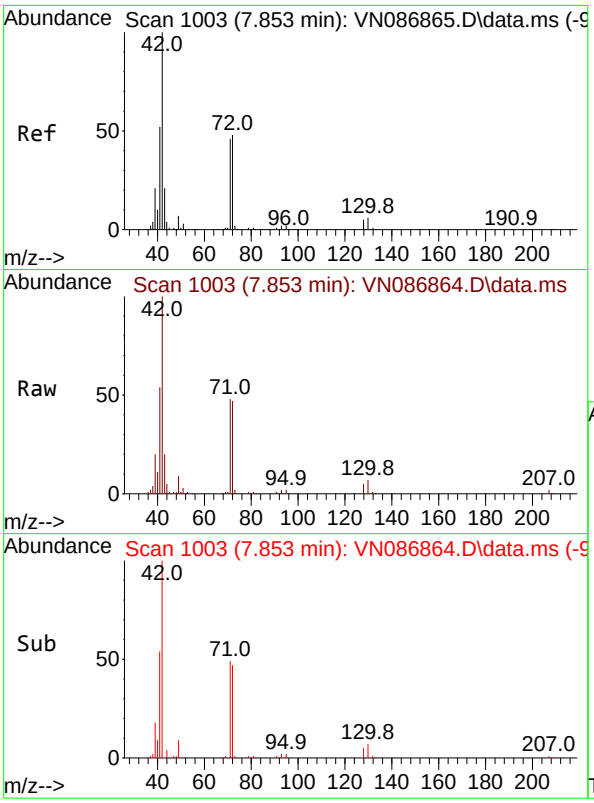


#28
Bromochloromethane
Concen: 22.381 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 49 Resp: 55196

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	77.1	62.2	93.2





#29
Tetrahydrofuran
Concen: 106.031 ug/l
RT: 7.853 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

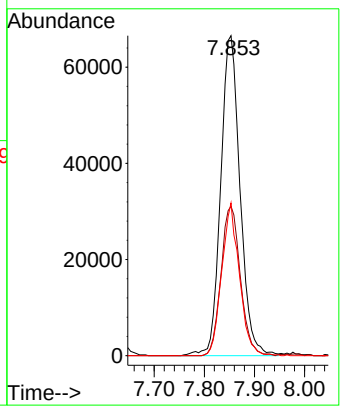
Tgt Ion: 42 Resp: 17857

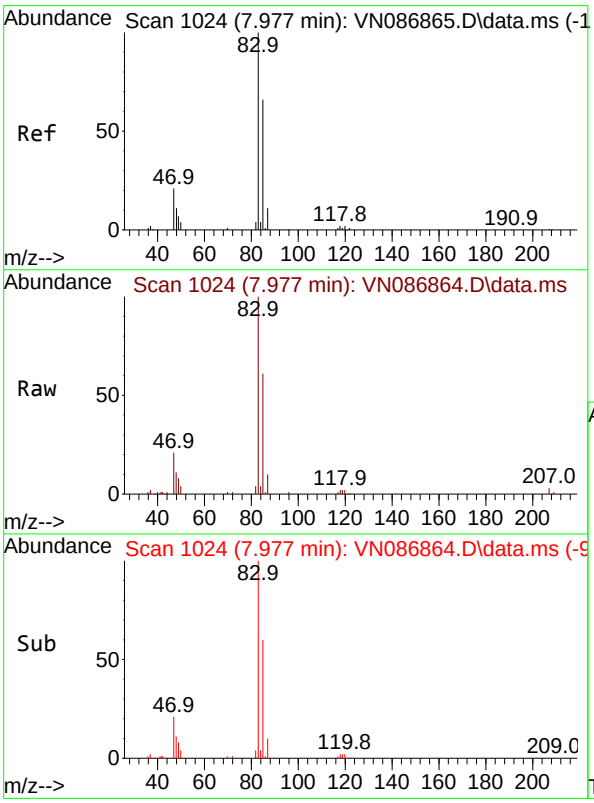
Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.8	56.6
71	43.5	35.6	53.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

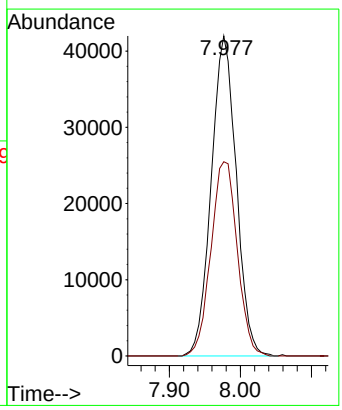


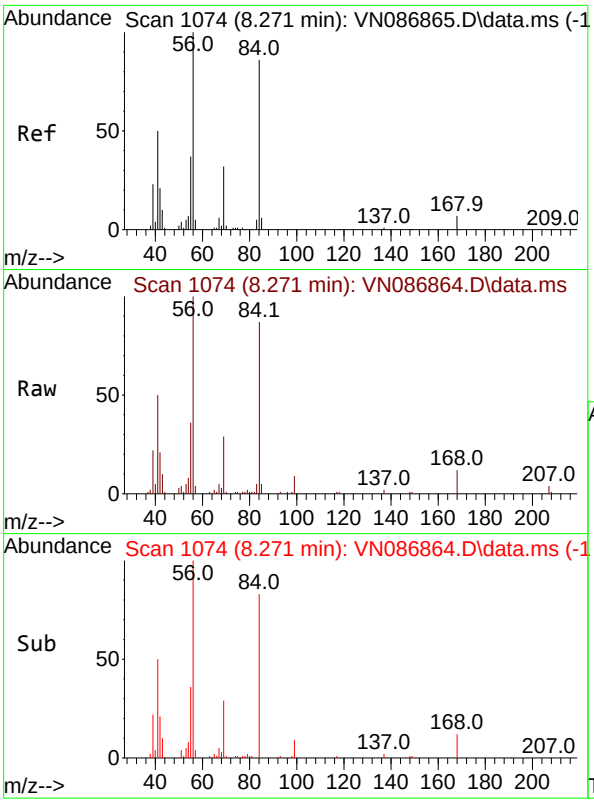


#30
Chloroform
Concen: 20.485 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 83 Resp: 102615

Ion	Ratio	Lower	Upper
83	100		
85	60.7	52.9	79.3

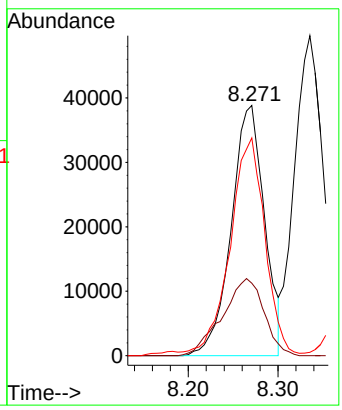




#31
Cyclohexane
Concen: 20.563 ug/l
RT: 8.271 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 56 Resp: 10002

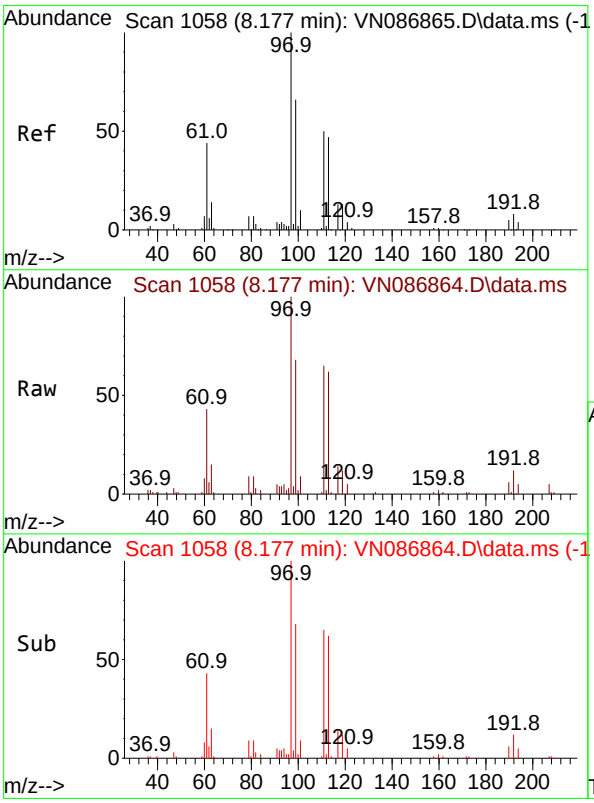
Ion	Ratio	Lower	Upper
56	100		
69	29.0	25.4	38.0
84	85.6	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

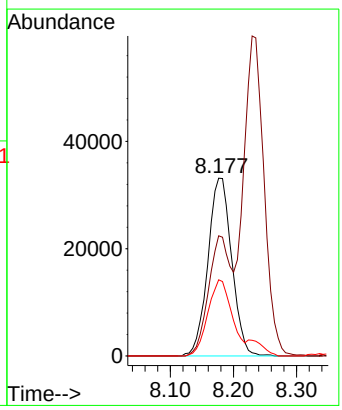
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

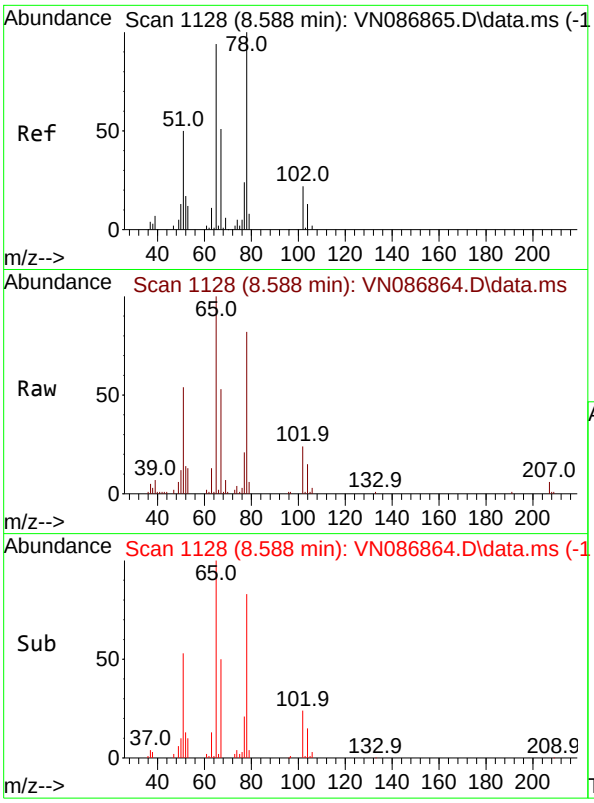


#32
1,1,1-Trichloroethane
Concen: 20.376 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 97 Resp: 86810

Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.0	78.0
61	43.3	35.9	53.9





#33
1,2-Dichloroethane-d4
Concen: 21.136 ug/l
RT: 8.588 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

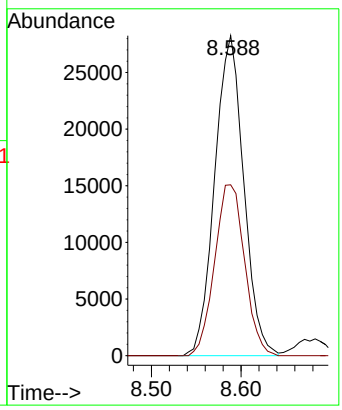
Tgt Ion: 65 Resp: 6339

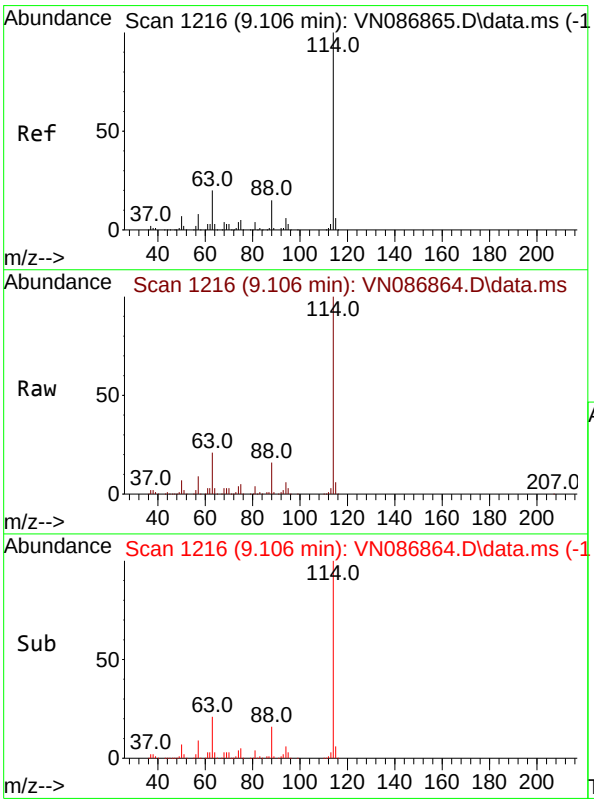
Ion	Ratio	Lower	Upper
65	100		
67	55.3	0.0	105.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

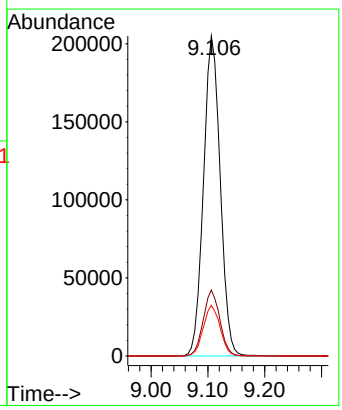


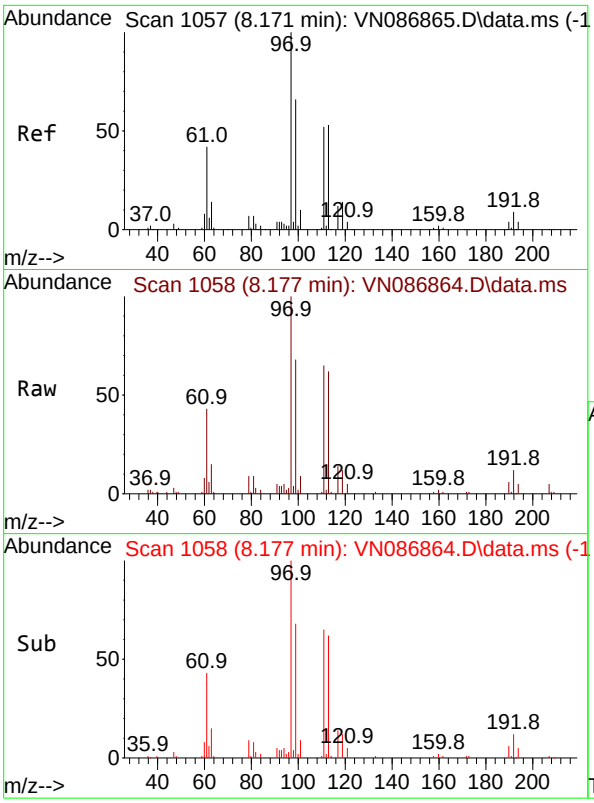


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:114 Resp: 418154

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	39.6
88	15.8	0.0	30.2

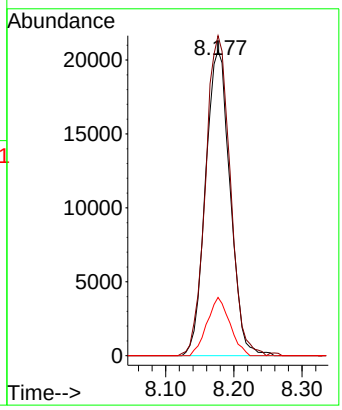




#35
Dibromofluoromethane
Concen: 20.902 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:113 Resp: 5179

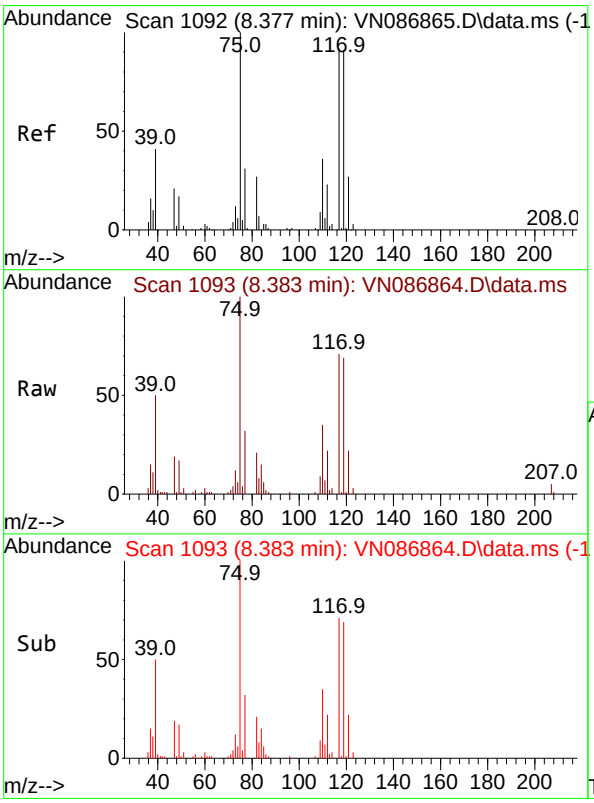
Ion	Ratio	Lower	Upper
113	100		
111	105.1	84.2	126.2
192	17.7	14.2	21.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

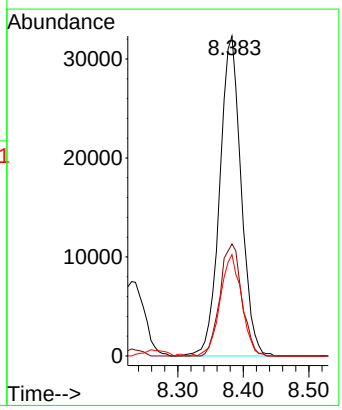
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

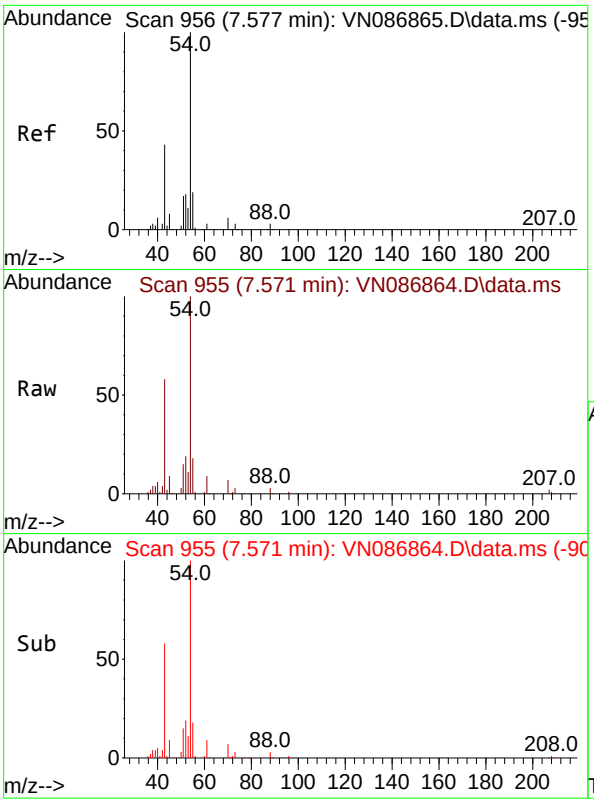


#36
1,1-Dichloropropene
Concen: 19.838 ug/l
RT: 8.383 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 75 Resp: 73252

Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.6	52.9
77	31.8	25.3	37.9

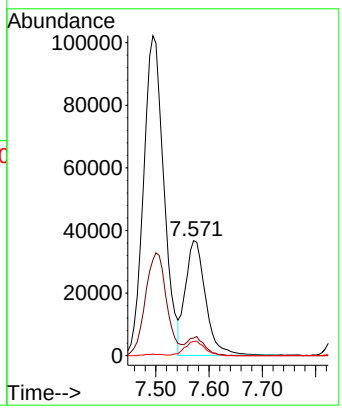




#37
Ethyl Acetate
Concen: 20.522 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 43 Resp: 9646

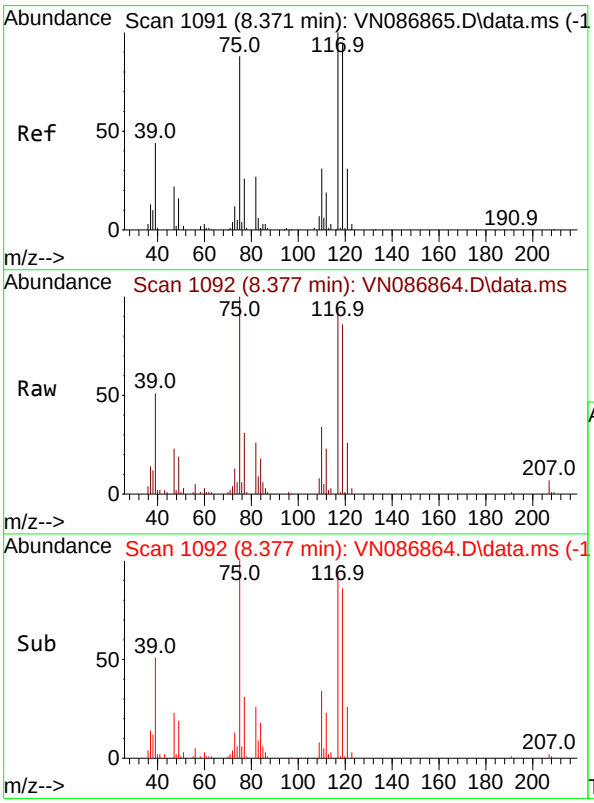
Ion	Ratio	Lower	Upper
43	100		
61	13.9	12.1	18.1
70	12.6	9.8	14.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

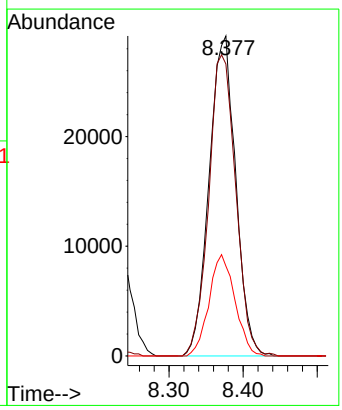
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

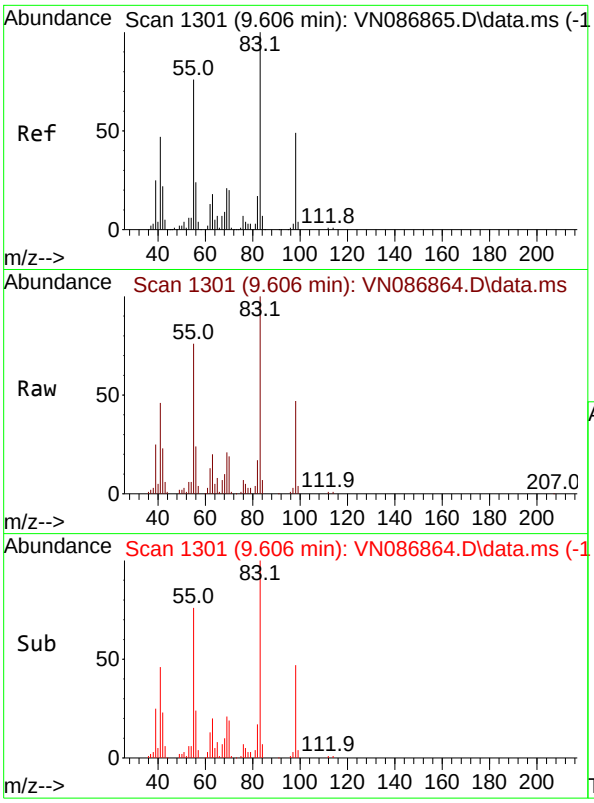


#38
Carbon Tetrachloride
Concen: 20.034 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:117 Resp: 72628

Ion	Ratio	Lower	Upper
117	100		
119	91.3	75.0	112.6
121	28.1	24.9	37.3





#39
Methylcyclohexane
Concen: 19.455 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

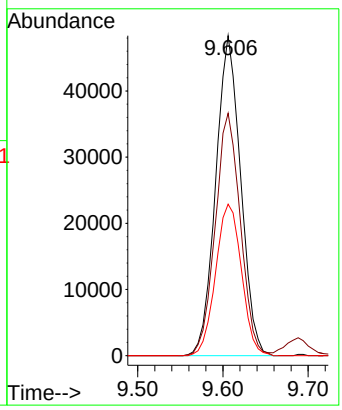
Tgt Ion: 83 Resp: 9842

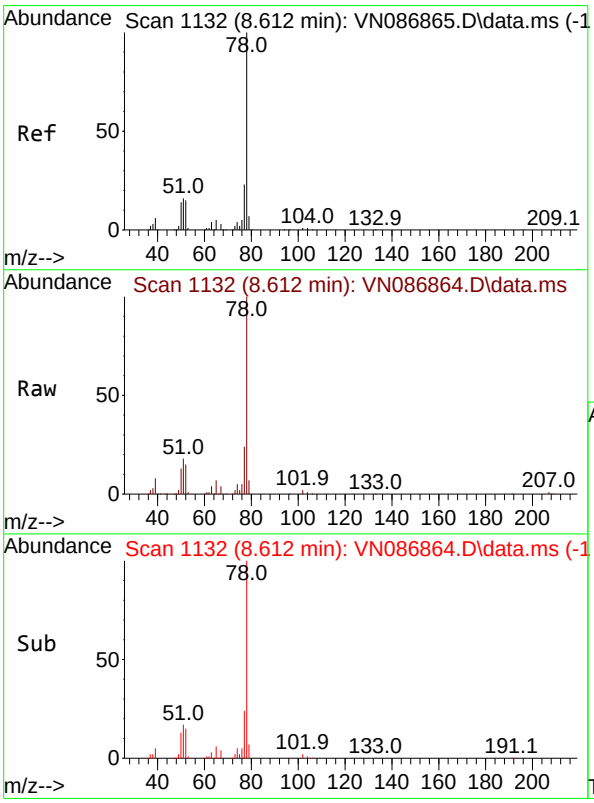
Ion	Ratio	Lower	Upper
83	100		
55	75.7	61.0	91.6
98	47.4	38.9	58.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

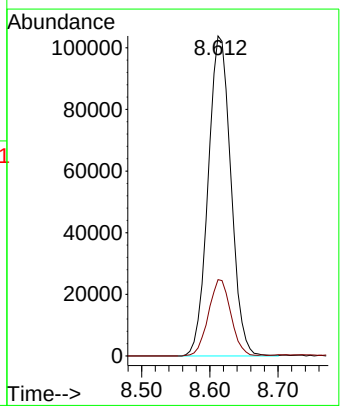


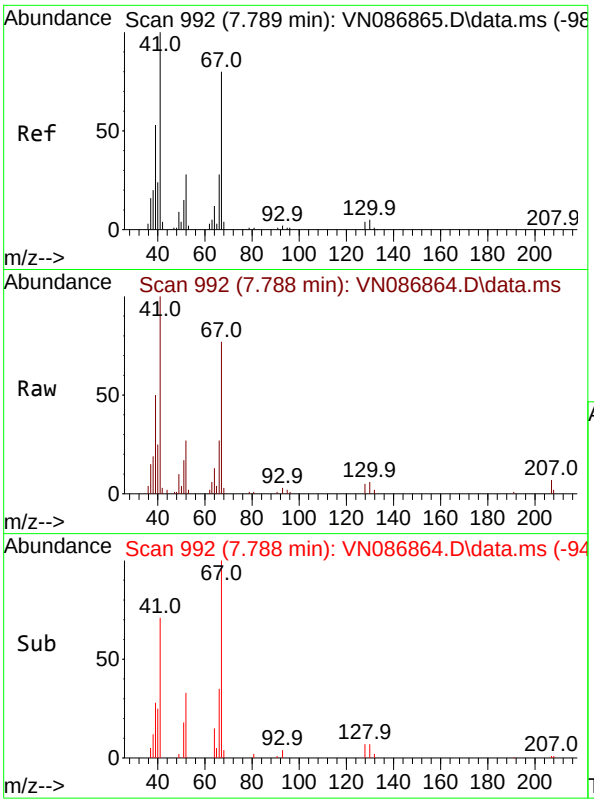


#40
Benzene
Concen: 19.996 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 78 Resp: 241444

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.7	28.1

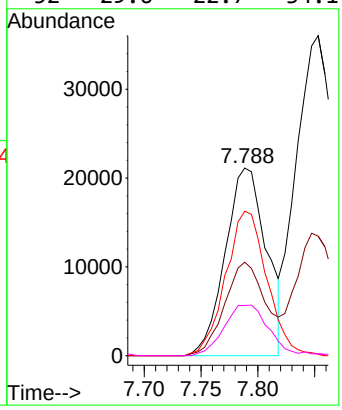




#41
Methacrylonitrile
Concen: 20.169 ug/l
RT: 7.788 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 41 Resp: 5324

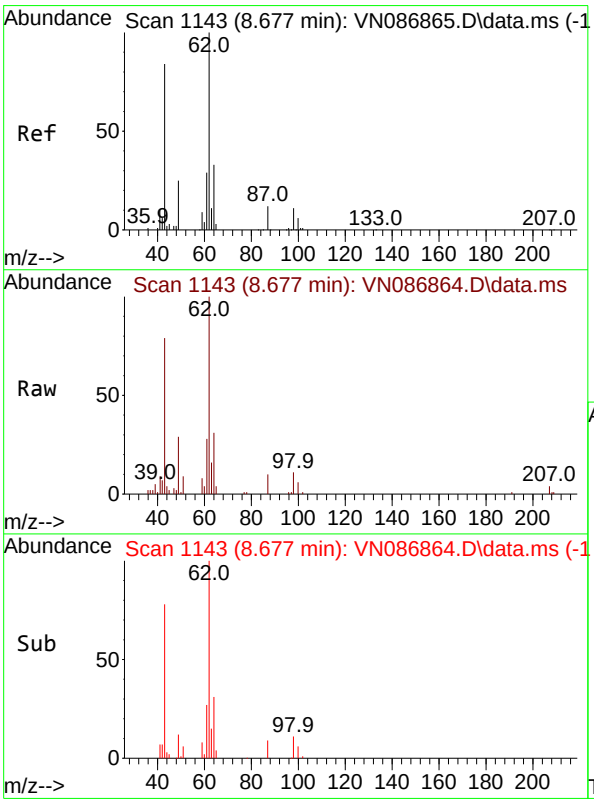
Ion	Ratio	Lower	Upper
41	100		
39	49.5	41.2	61.8
67	77.3	61.4	92.2
52	29.6	22.7	34.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

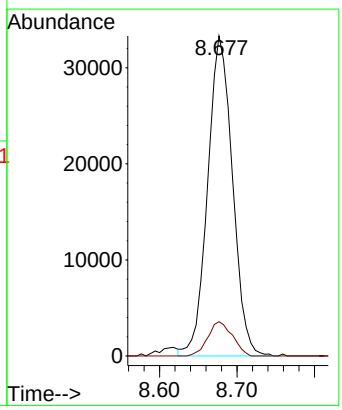
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

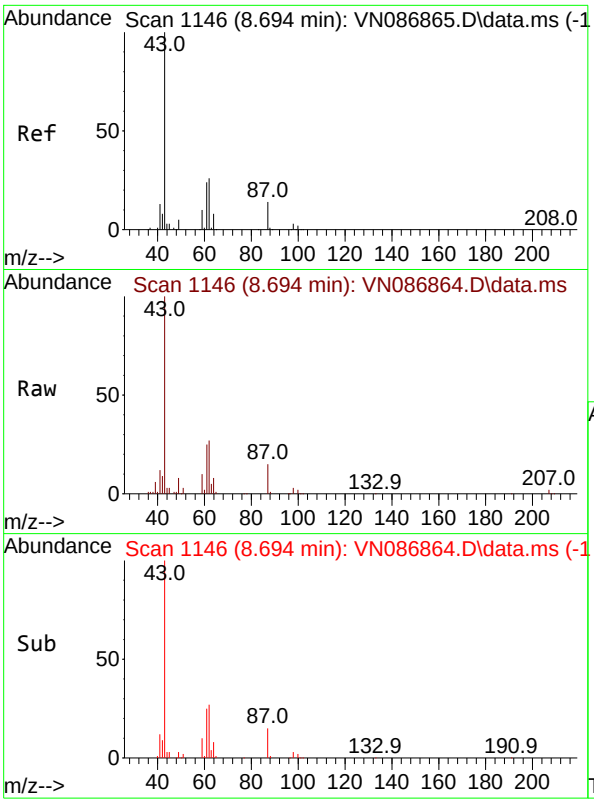


#42
1,2-Dichloroethane
Concen: 20.270 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 62 Resp: 74238

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.2





#43
Isopropyl Acetate
Concen: 20.094 ug/l
RT: 8.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

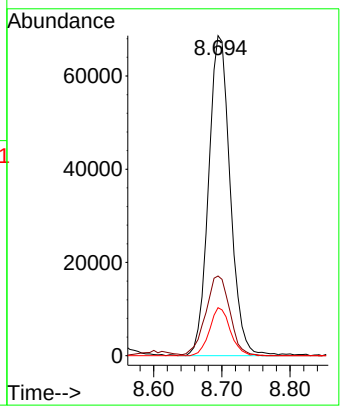
Tgt Ion: 43 Resp: 15160

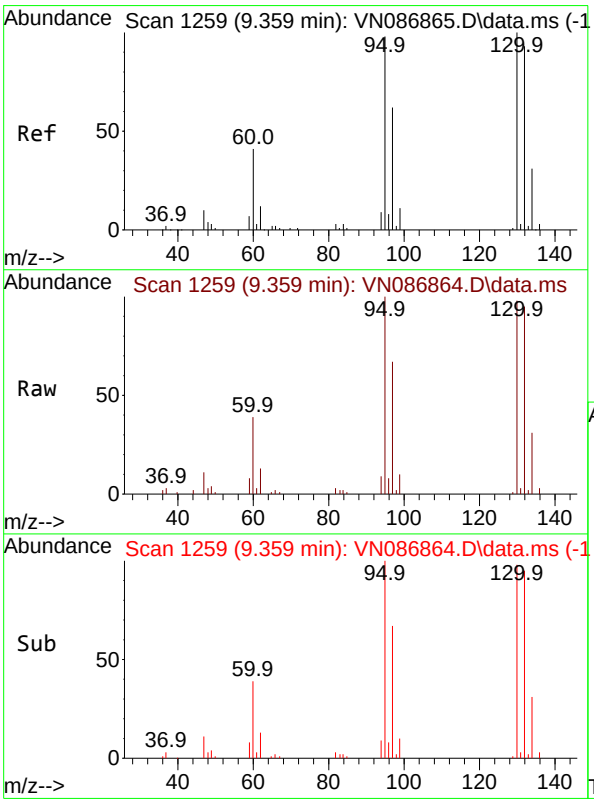
Ion	Ratio	Lower	Upper
43	100		
61	27.9	22.1	33.1
87	14.4	11.8	17.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

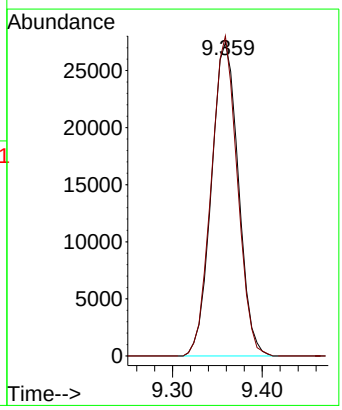


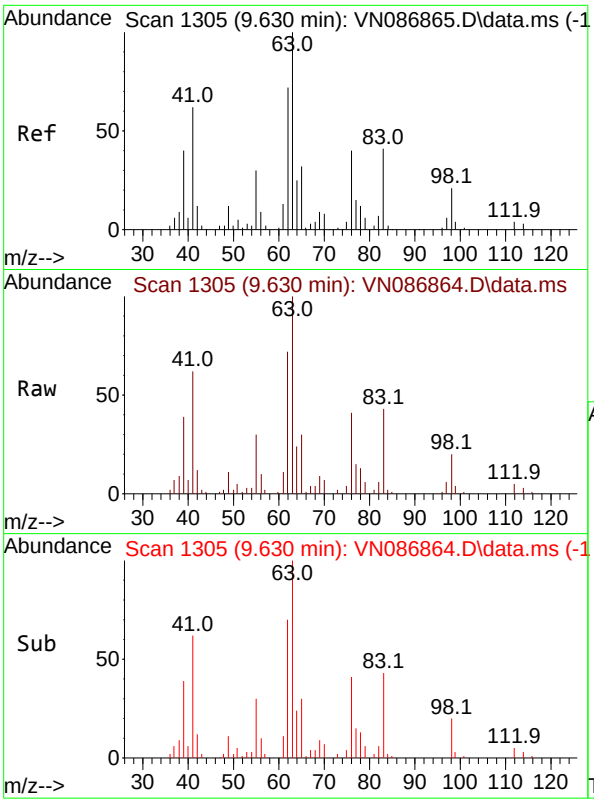


#44
Trichloroethene
Concen: 19.946 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:130 Resp: 57110

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	196.2

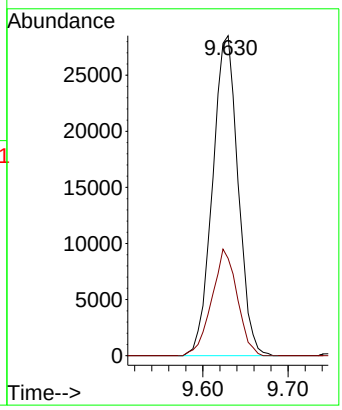




#45
1,2-Dichloropropane
Concen: 20.184 ug/l
RT: 9.630 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 63 Resp: 5929

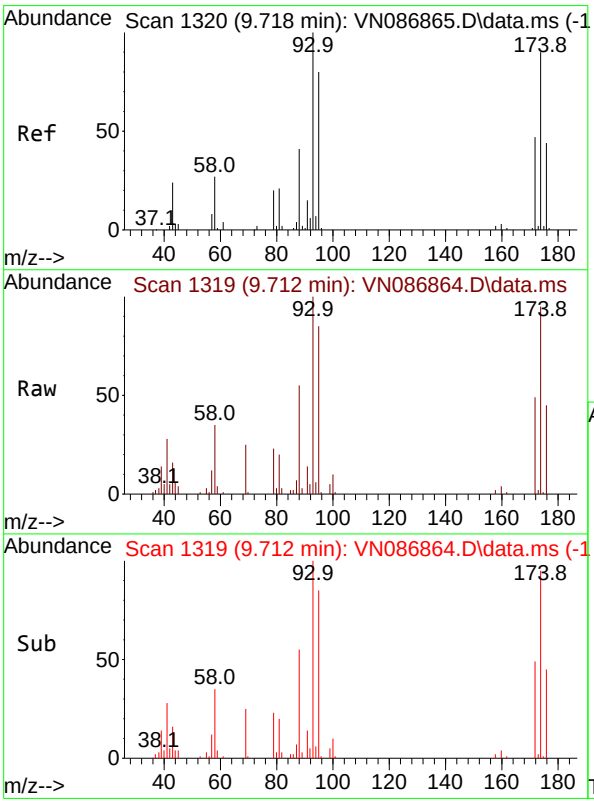
Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

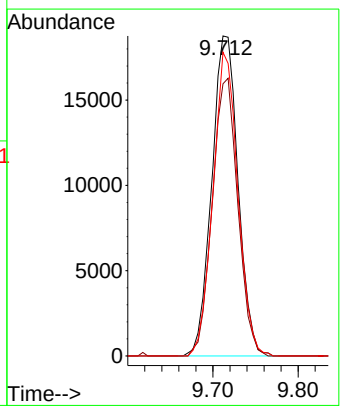
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

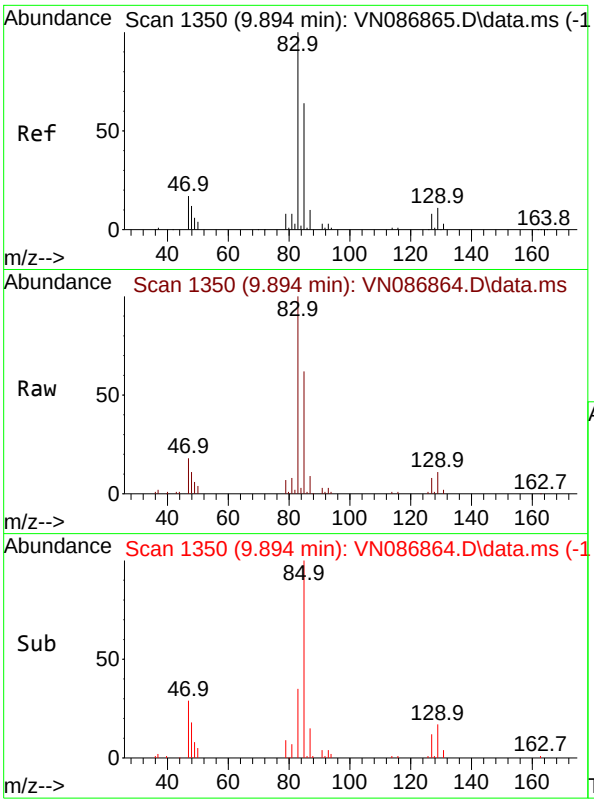


#46
Dibromomethane
Concen: 20.648 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 93 Resp: 40290

Ion	Ratio	Lower	Upper
93	100		
95	84.1	67.1	100.7
174	90.1	74.2	111.4

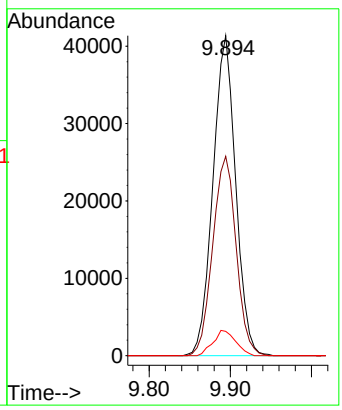




#47
Bromodichloromethane
Concen: 20.015 ug/l
RT: 9.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 83 Resp: 8035

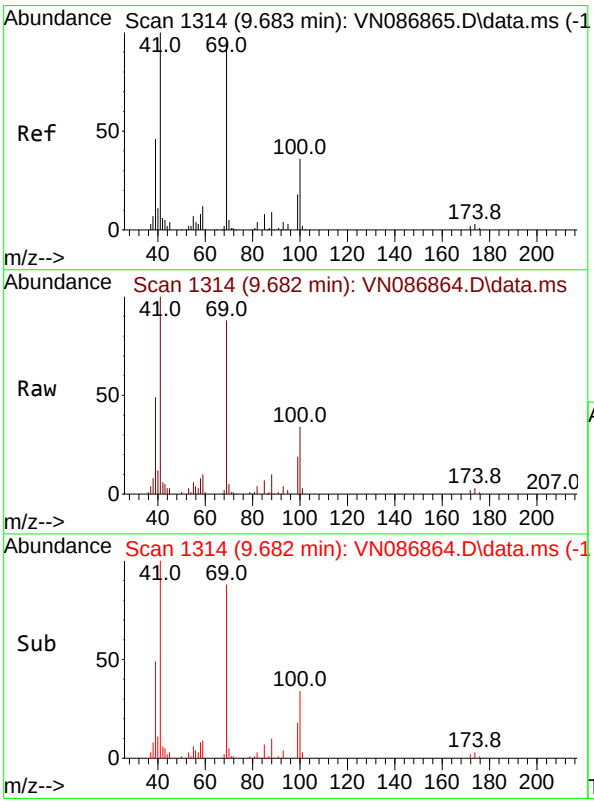
Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.9	76.3
127	7.6	6.6	10.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

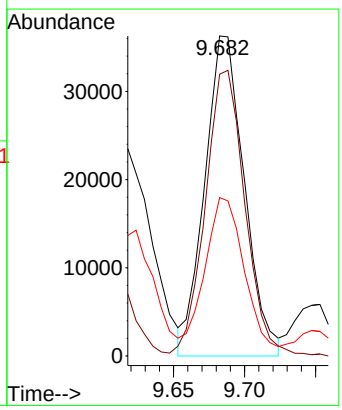
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

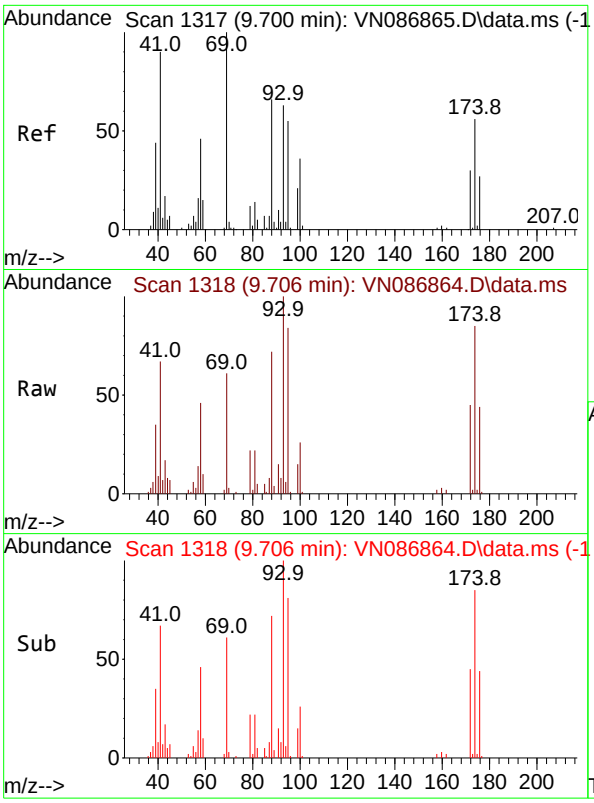


#48
Methyl methacrylate
Concen: 20.290 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 41 Resp: 70457

Ion	Ratio	Lower	Upper
41	100		
69	89.4	74.6	112.0
39	50.3	40.2	60.4





#49
1,4-Dioxane
Concen: 446.886 ug/l
RT: 9.706 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

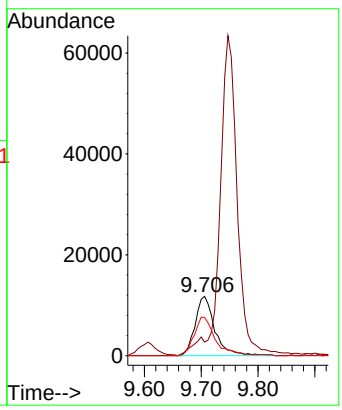
Tgt Ion: 88 Resp: 2823

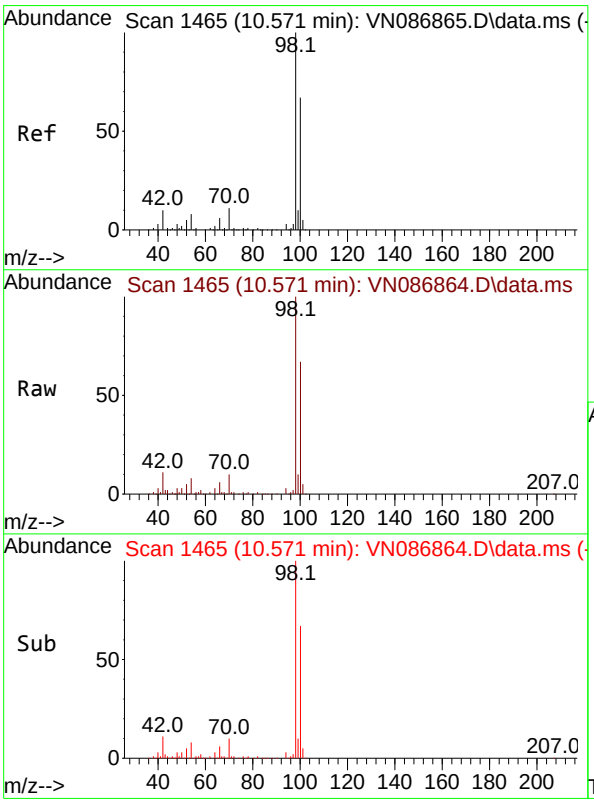
Ion	Ratio	Lower	Upper
88	100		
43	19.7	0.0	0.0
58	70.1	57.7	86.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

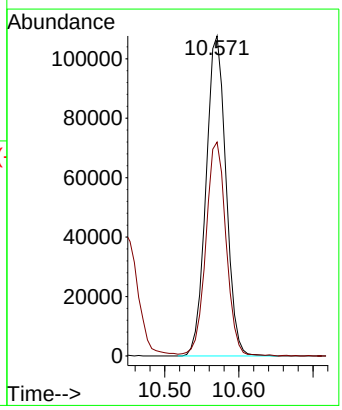


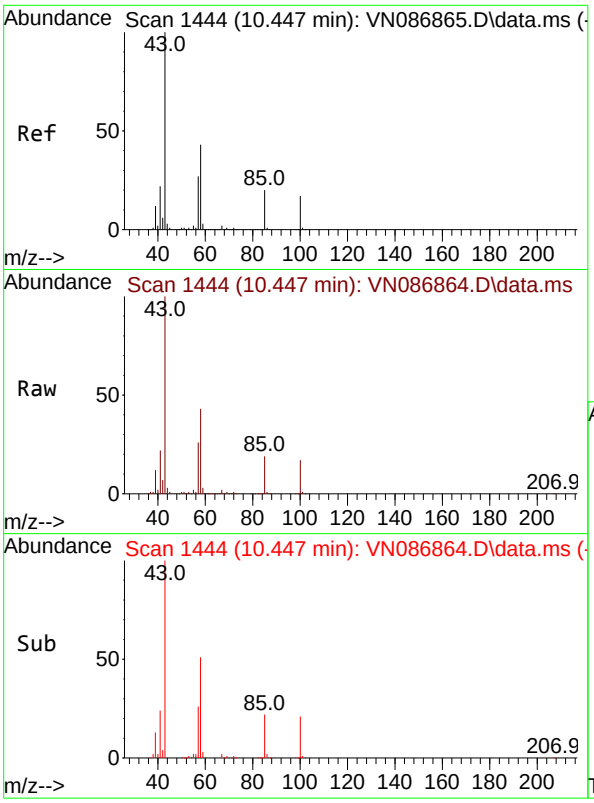


#50
Toluene-d8
Concen: 20.516 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 98 Resp: 201268

Ion	Ratio	Lower	Upper
98	100		
100	67.8	53.4	80.0

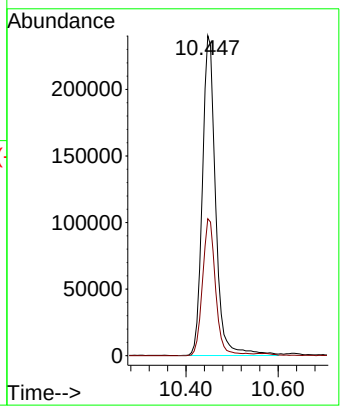




#51
4-Methyl-2-Pentanone
Concen: 106.066 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 43 Resp: 48174

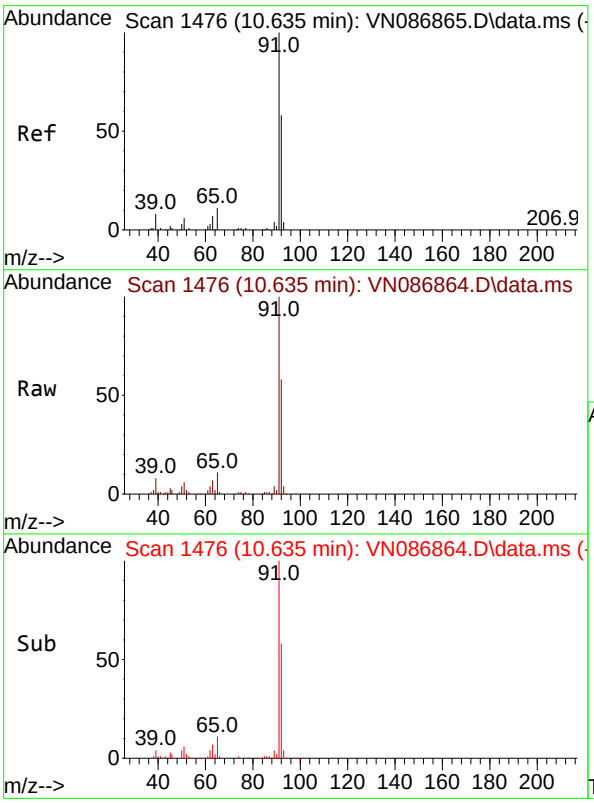
Ion	Ratio	Lower	Upper
43	100		
58	42.0	34.2	51.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

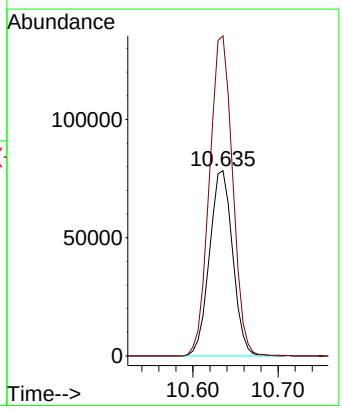
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

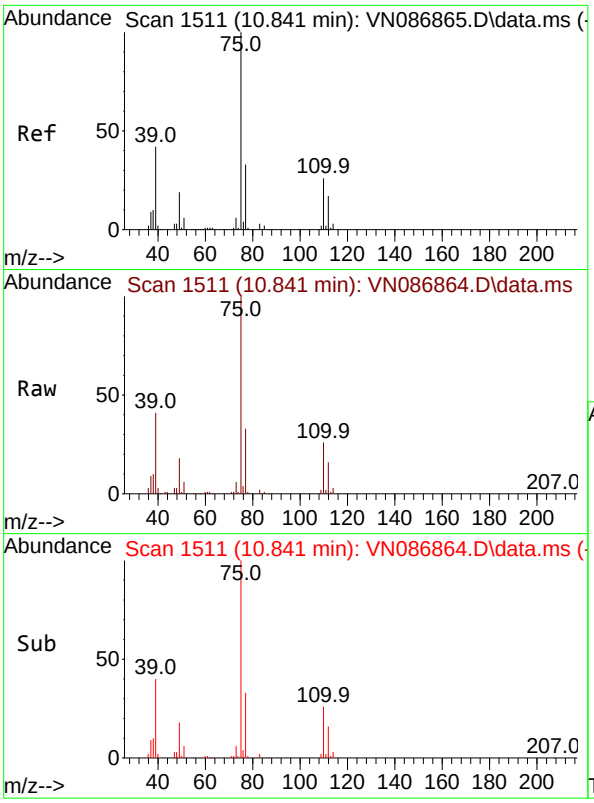


#52
Toluene
Concen: 20.056 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 92 Resp: 148000

Ion	Ratio	Lower	Upper
92	100		
91	172.9	136.5	204.7

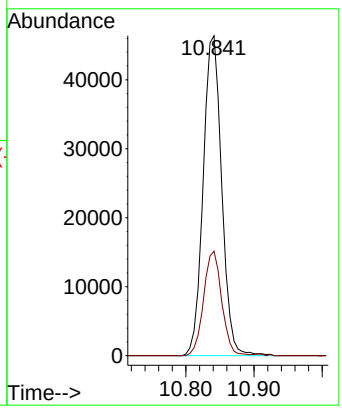




#53
t-1,3-Dichloropropene
Concen: 19.532 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 75 Resp: 8768

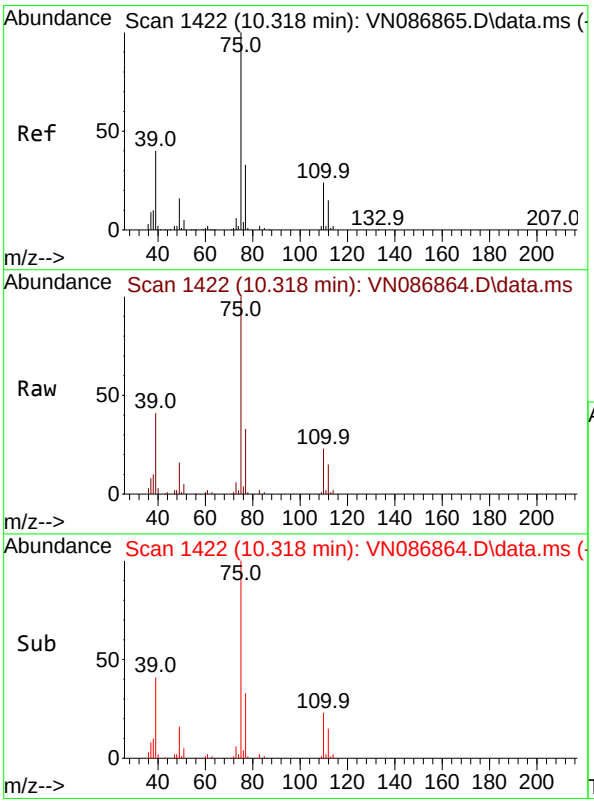
Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.4	39.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

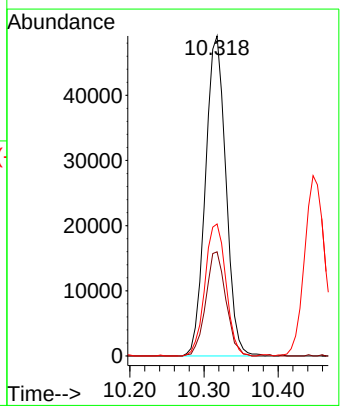
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

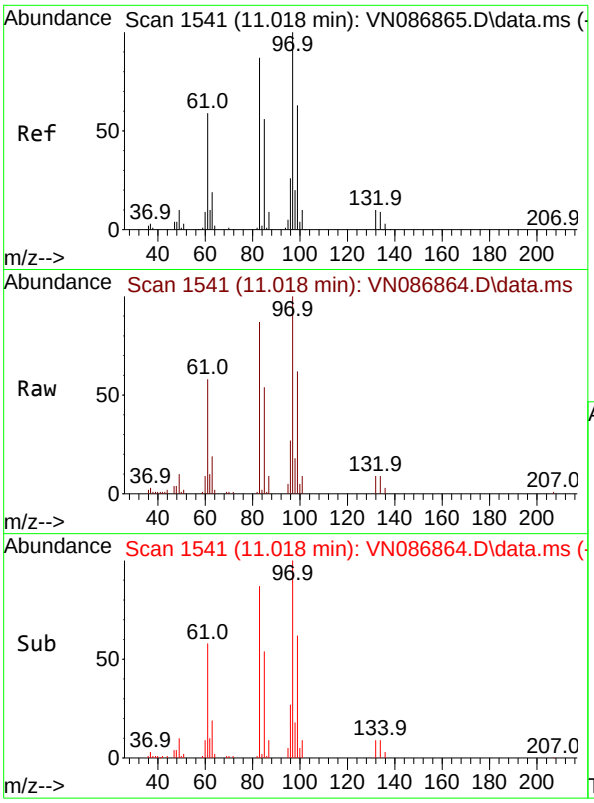


#54
cis-1,3-Dichloropropene
Concen: 19.636 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 75 Resp: 94315

Ion	Ratio	Lower	Upper
75	100		
77	32.5	26.2	39.4
39	41.3	32.3	48.5

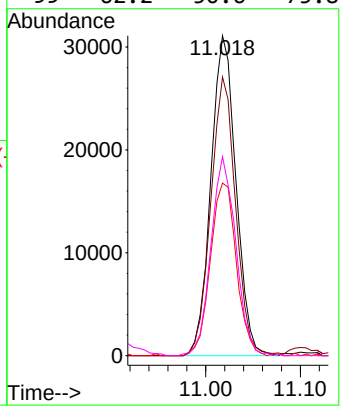




#55
1,1,2-Trichloroethane
Concen: 20.143 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 97 Resp: 5719

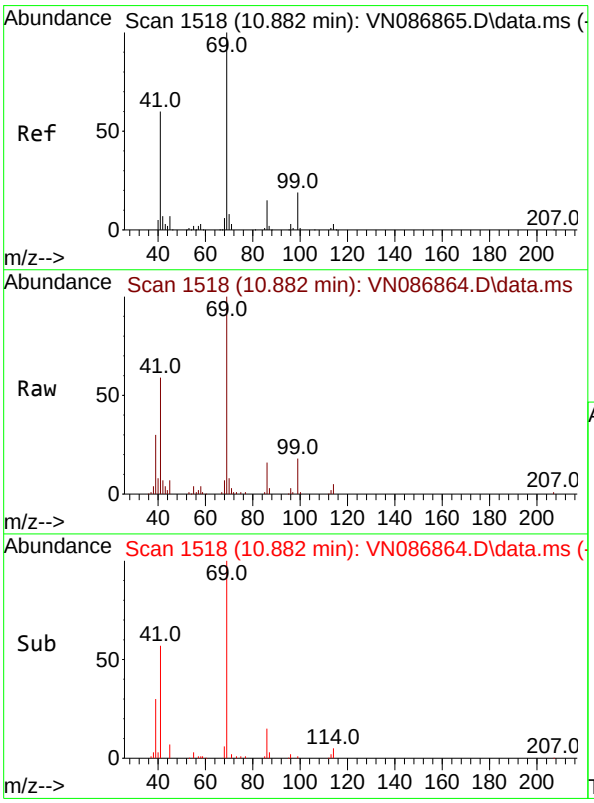
Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.7	104.5
85	54.0	45.1	67.7
99	62.2	50.6	75.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

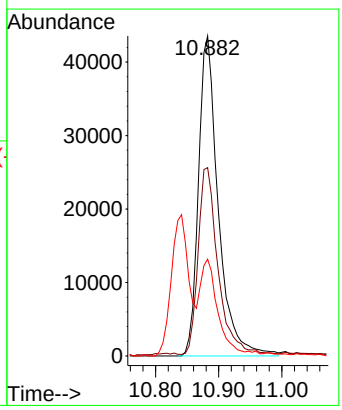
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

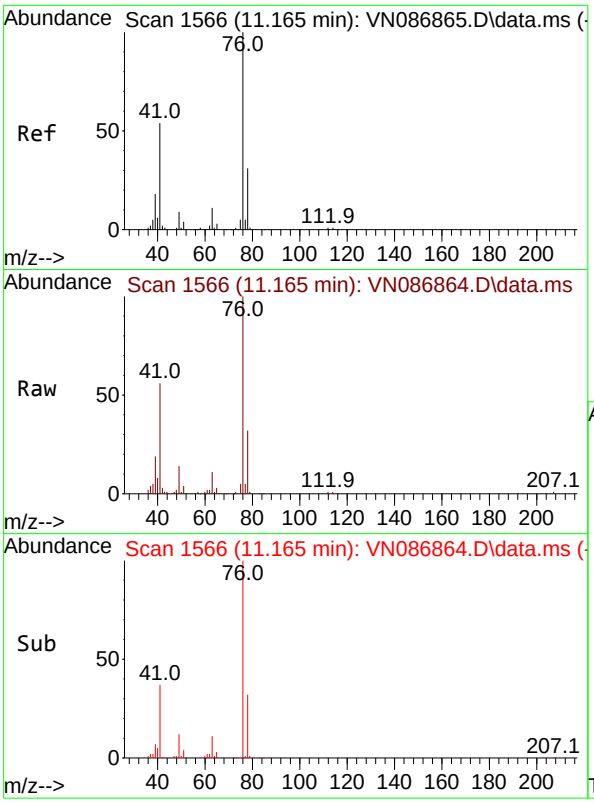


#56
Ethyl methacrylate
Concen: 20.968 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 69 Resp: 94829

Ion	Ratio	Lower	Upper
69	100		
41	58.9	47.2	70.8
39	25.9	23.0	34.6





#57
1,3-Dichloropropane
Concen: 19.938 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

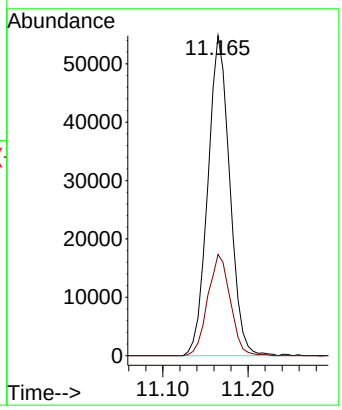
Tgt Ion: 76 Resp: 9820

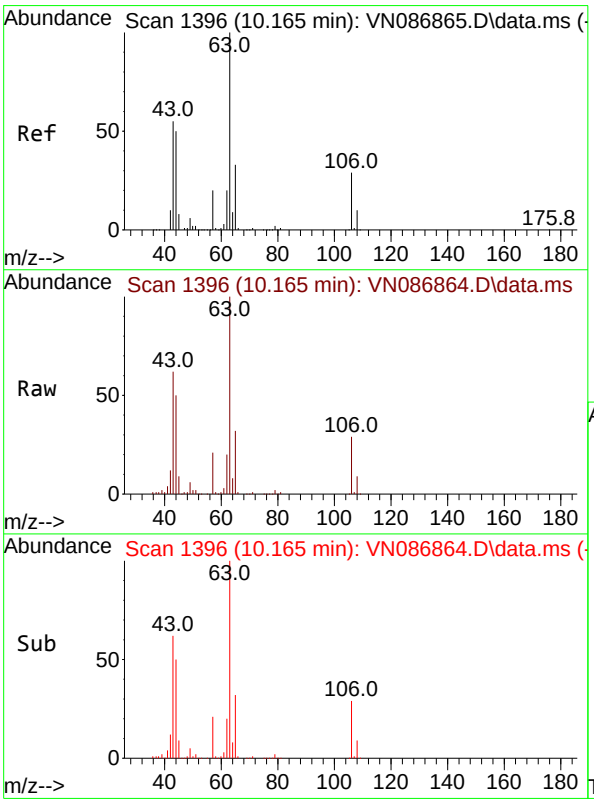
Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.3	37.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

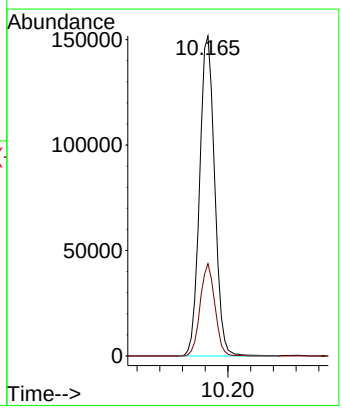


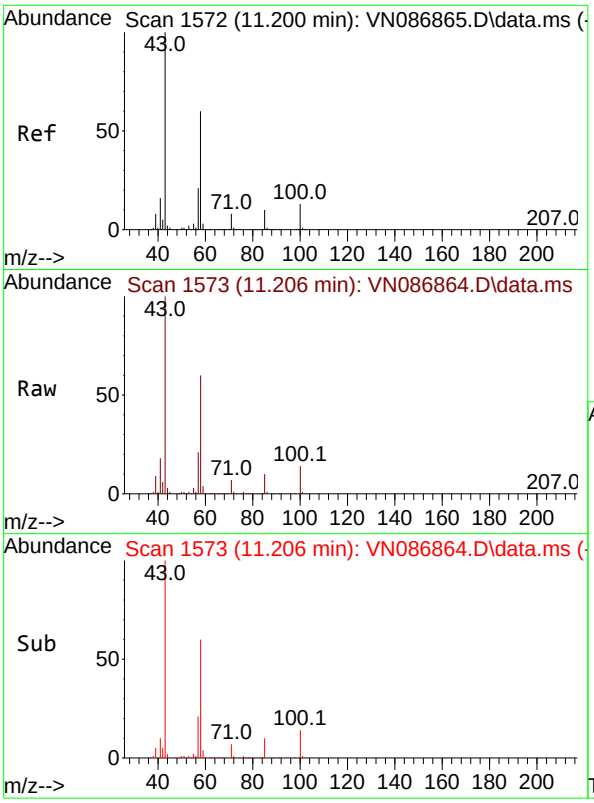


#58
2-Chloroethyl Vinyl ether
Concen: 103.426 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 63 Resp: 278986

Ion	Ratio	Lower	Upper
63	100		
106	28.1	23.0	34.6





#59
2-Hexanone
Concen: 103.803 ug/l
RT: 11.206 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

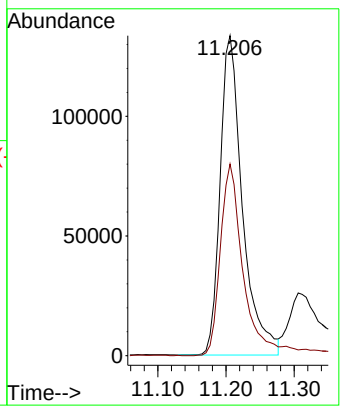
Tgt Ion: 43 Resp: 30368

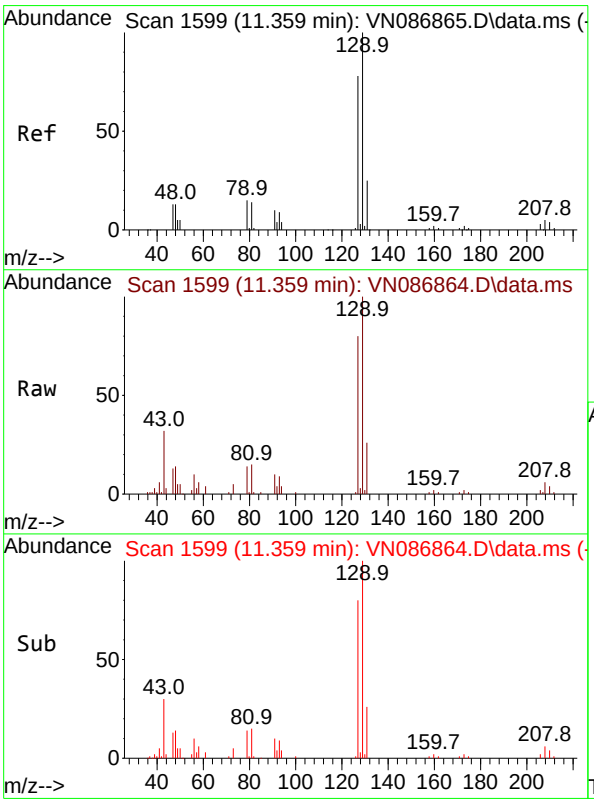
Ion	Ratio	Lower	Upper
43	100		
58	64.8	30.4	91.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

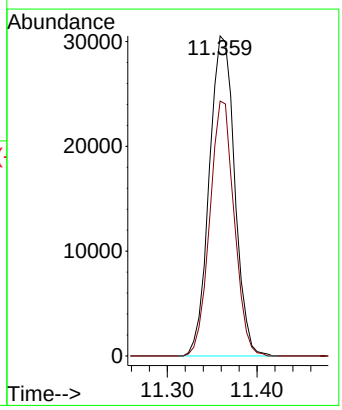


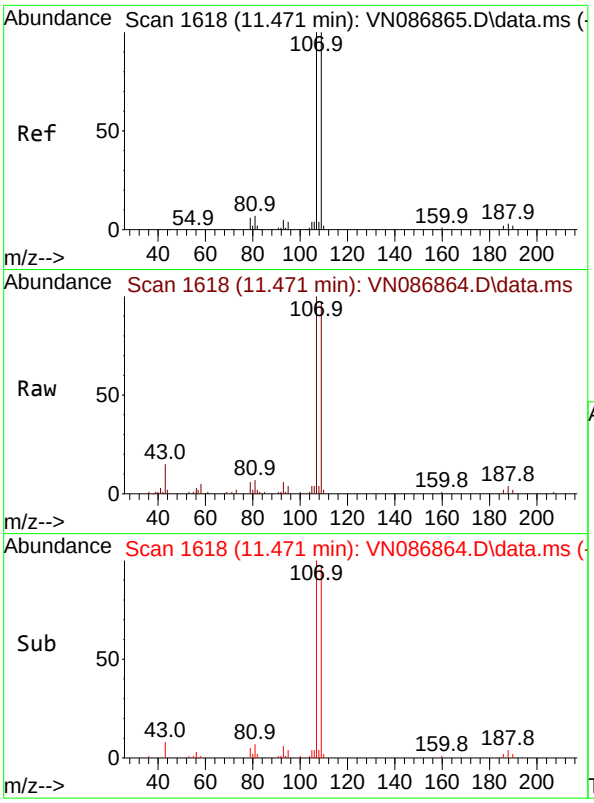


#60
Dibromochloromethane
Concen: 20.268 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:129 Resp: 59961

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.6	115.8





#61
1,2-Dibromoethane
Concen: 20.320 ug/l
RT: 11.471 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

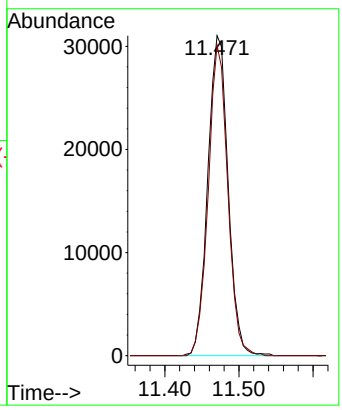
Tgt Ion:107 Resp: 5913

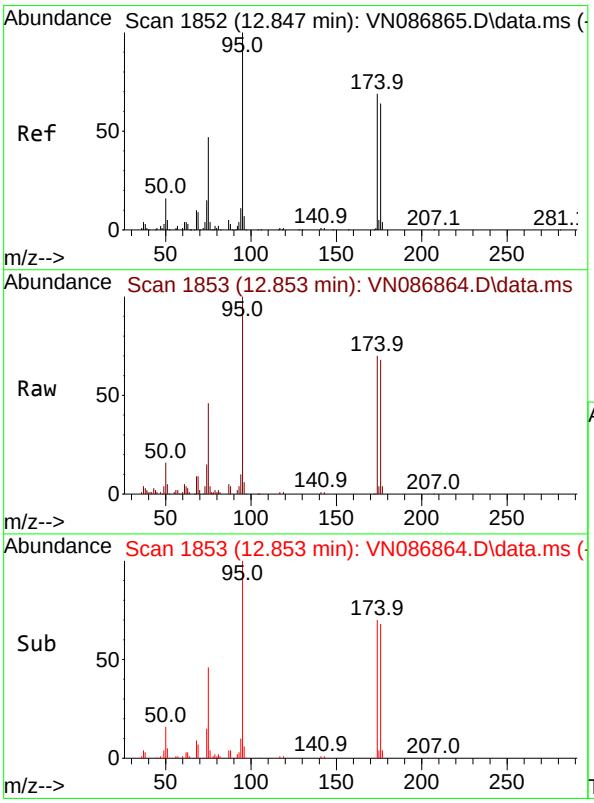
Ion	Ratio	Lower	Upper
107	100		
109	93.0	76.3	114.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

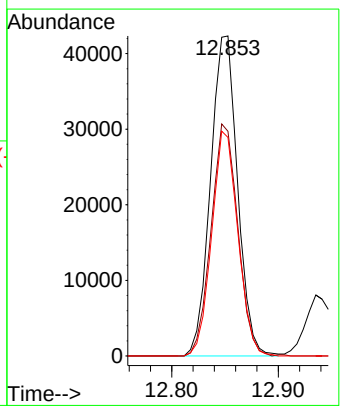


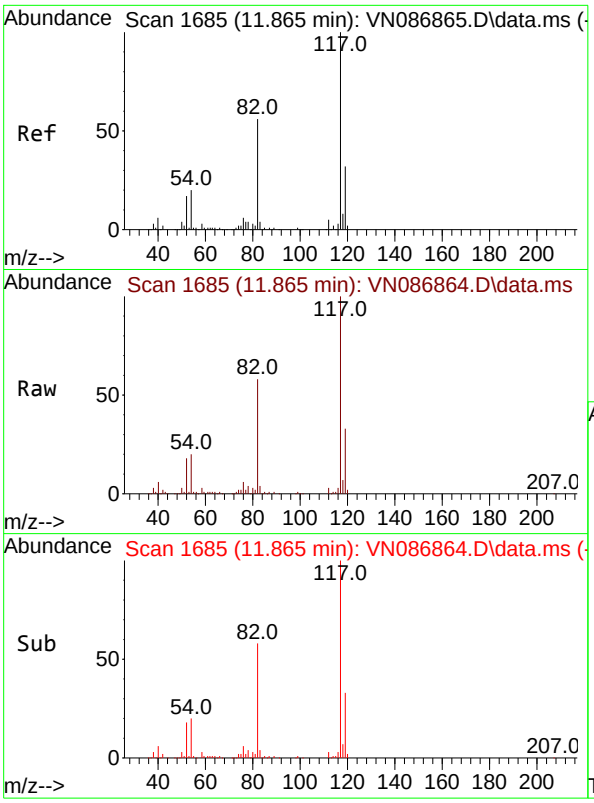


#62
4-Bromofluorobenzene
Concen: 20.474 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 95 Resp: 74622

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	141.8
176	68.0	0.0	132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

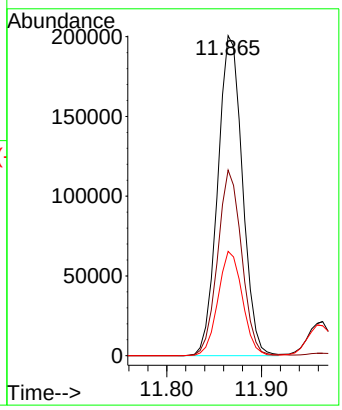
Tgt Ion:117 Resp: 36317

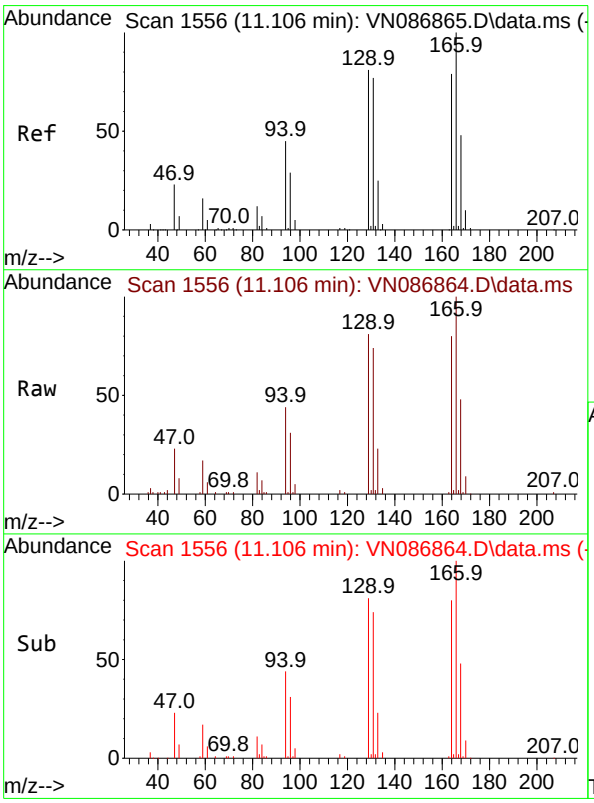
Ion	Ratio	Lower	Upper
117	100		
82	58.0	44.6	67.0
119	32.6	25.5	38.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

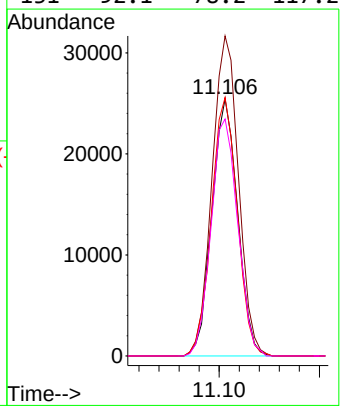


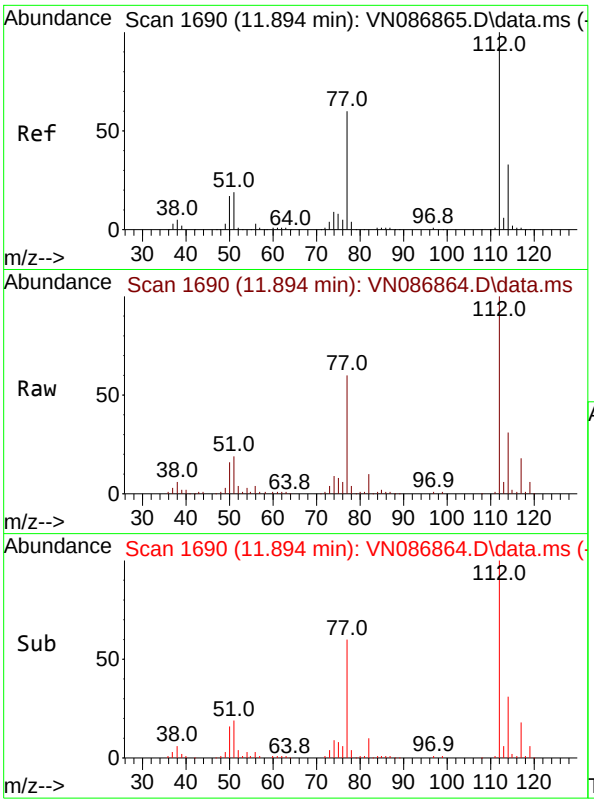


#64
Tetrachloroethene
Concen: 19.742 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:164 Resp: 45374

Ion	Ratio	Lower	Upper
164	100		
166	124.4	101.8	152.8
129	100.4	83.0	124.4
131	92.1	78.2	117.2

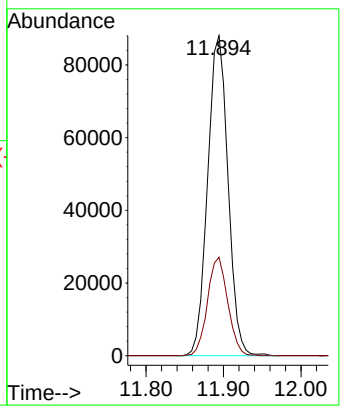




#65
Chlorobenzene
Concen: 20.076 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:112 Resp: 16080

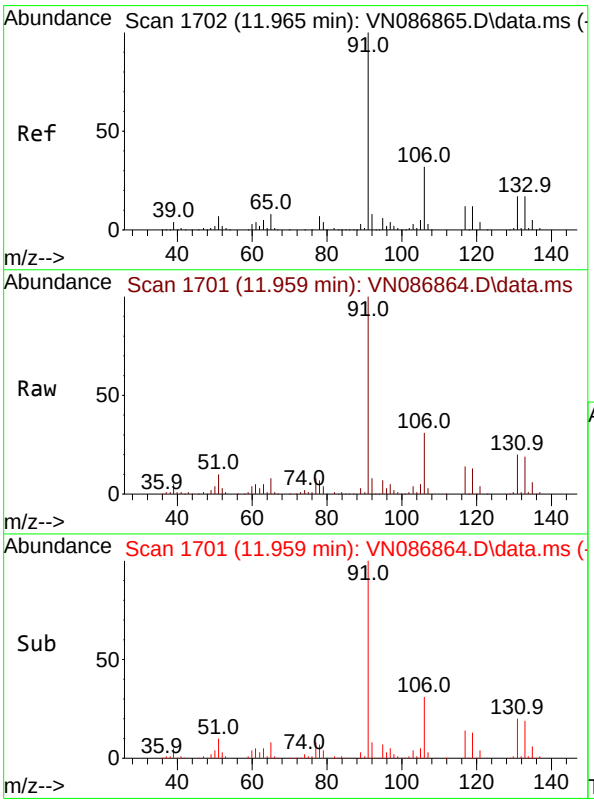
Ion	Ratio	Lower	Upper
112	100		
114	30.8	26.2	39.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

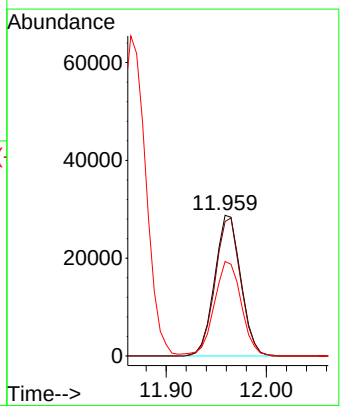
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

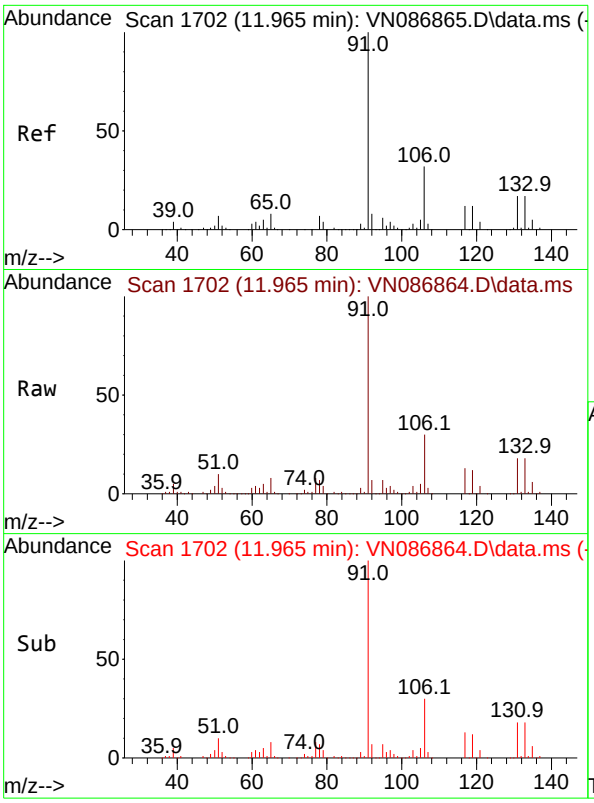


#66
1,1,1,2-Tetrachloroethane
Concen: 20.223 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:131 Resp: 52069

Ion	Ratio	Lower	Upper
131	100		
133	96.3	48.3	144.8
119	69.6	34.0	101.8





#67
Ethyl Benzene
Concen: 20.083 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

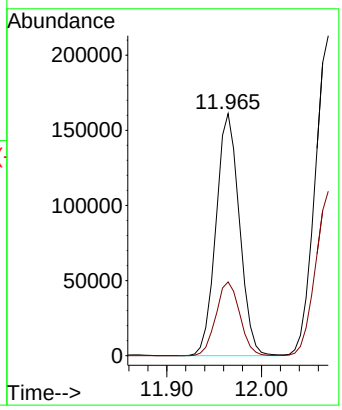
Tgt Ion: 91 Resp: 27708

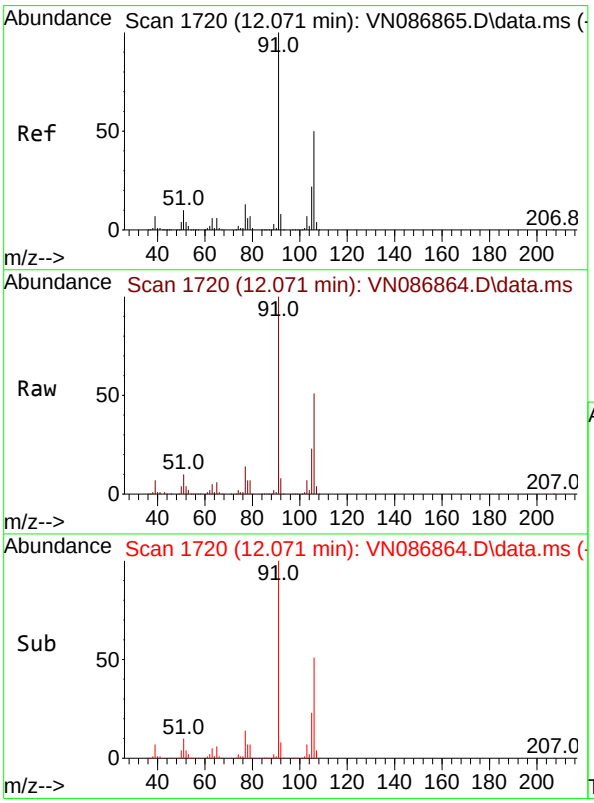
Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.4	38.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

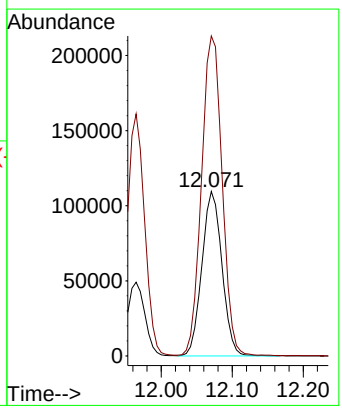


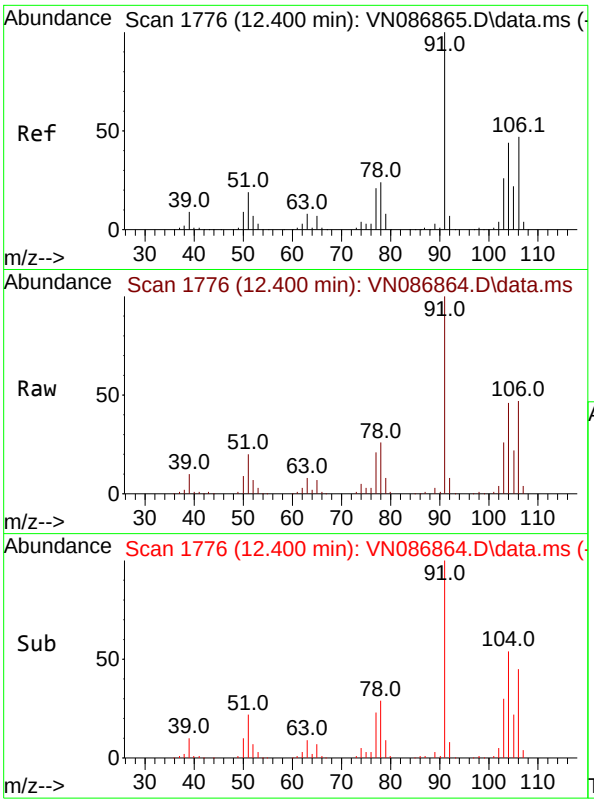


#68
m/p-Xylenes
Concen: 40.780 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:106 Resp: 215378

Ion	Ratio	Lower	Upper
106	100		
91	199.8	159.4	239.0





#69
o-Xylene
Concen: 20.175 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

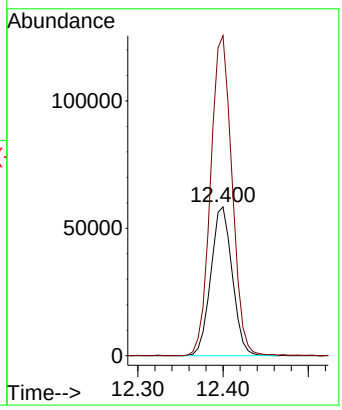
Tgt Ion:106 Resp: 10205

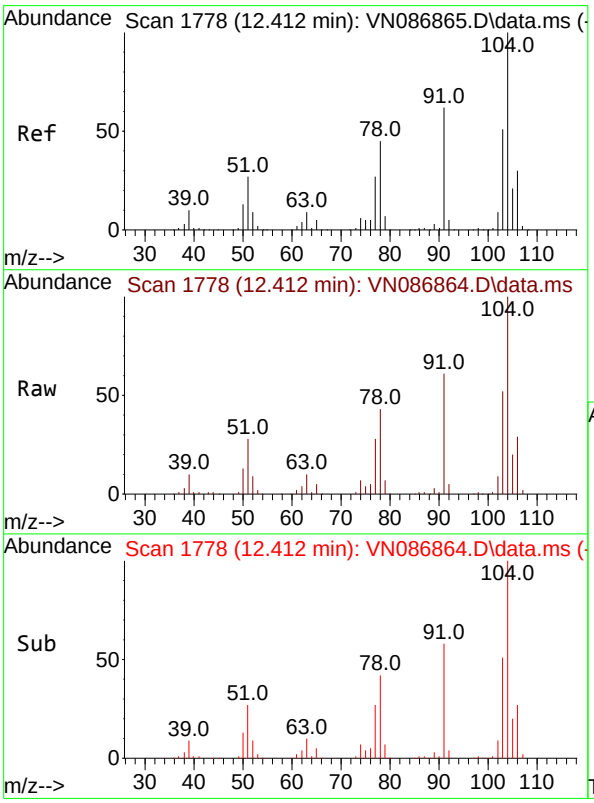
Ion	Ratio	Lower	Upper
106	100		
91	215.9	106.1	318.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

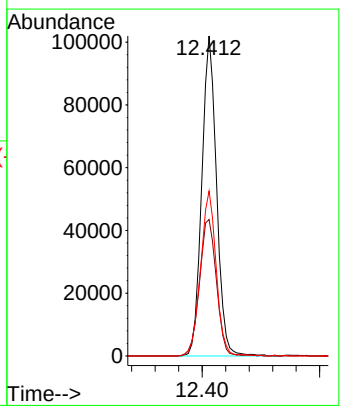


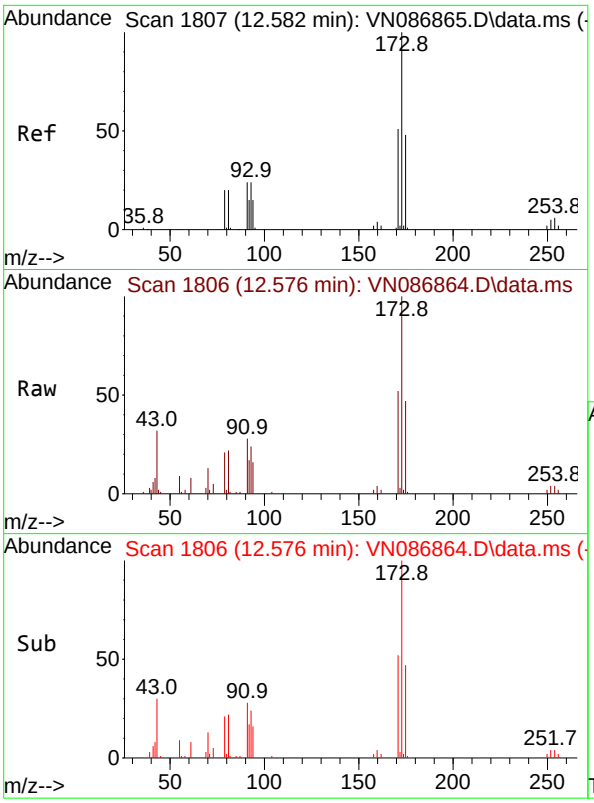


#70
Styrene
Concen: 20.572 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:104 Resp: 178061

Ion	Ratio	Lower	Upper
104	100		
78	48.3	38.5	57.7
103	54.4	43.1	64.7

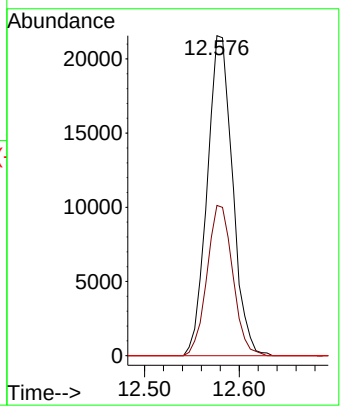




#71
Bromoform
Concen: 21.004 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:173 Resp: 4007

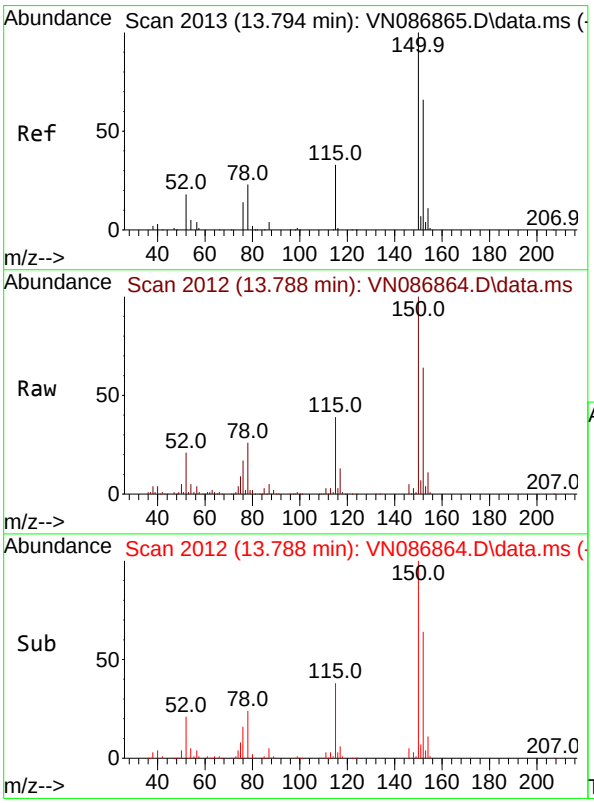
Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.1	72.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

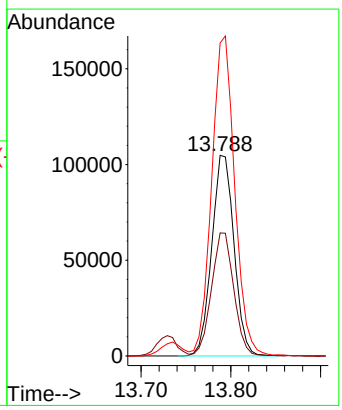
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

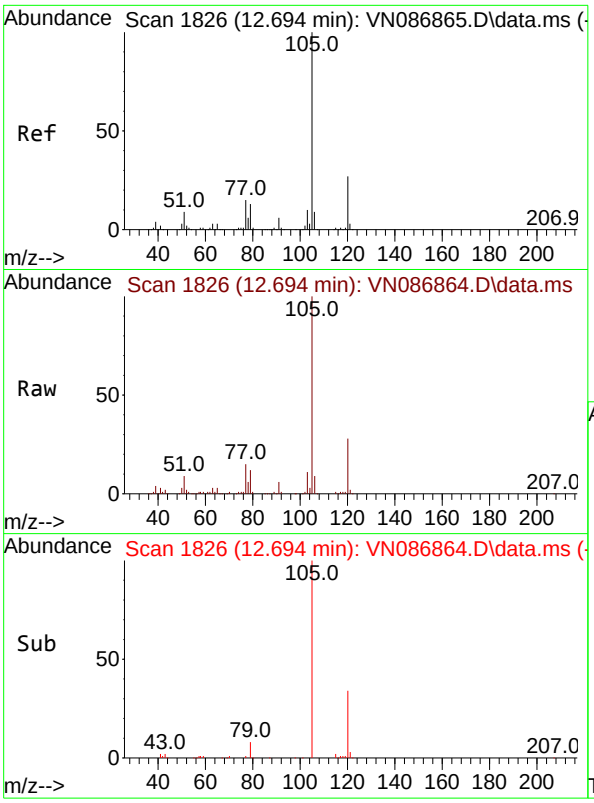


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:152 Resp: 181178

Ion	Ratio	Lower	Upper
152	100		
115	61.4	30.1	90.5
150	164.5	0.0	345.0

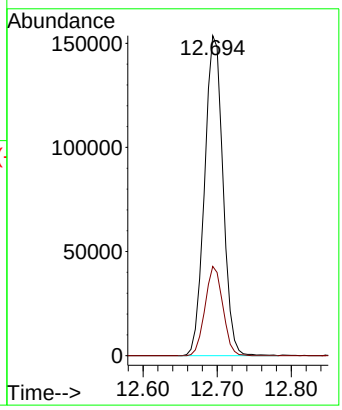




#73
Isopropylbenzene
Concen: 20.035 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:105 Resp: 26444

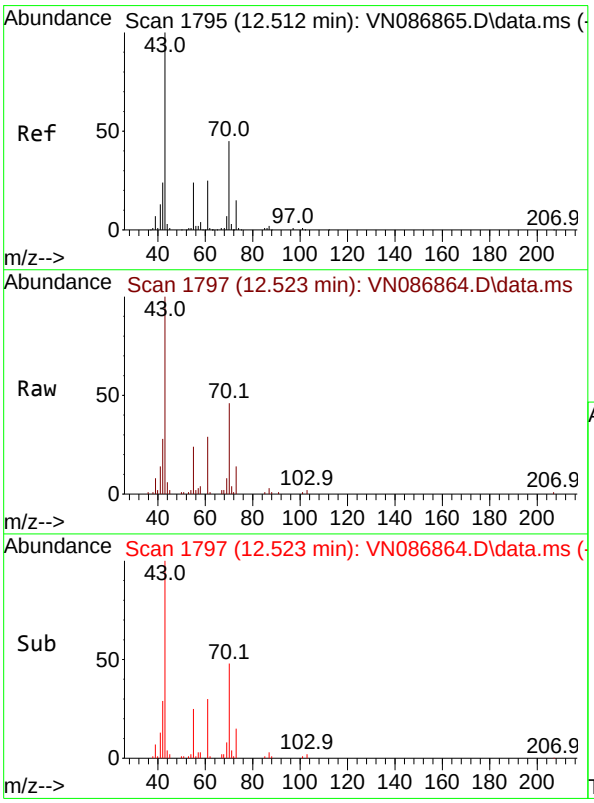
Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.5	40.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

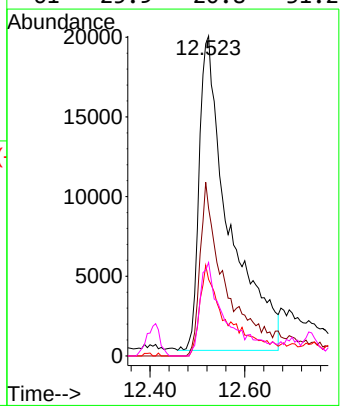
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

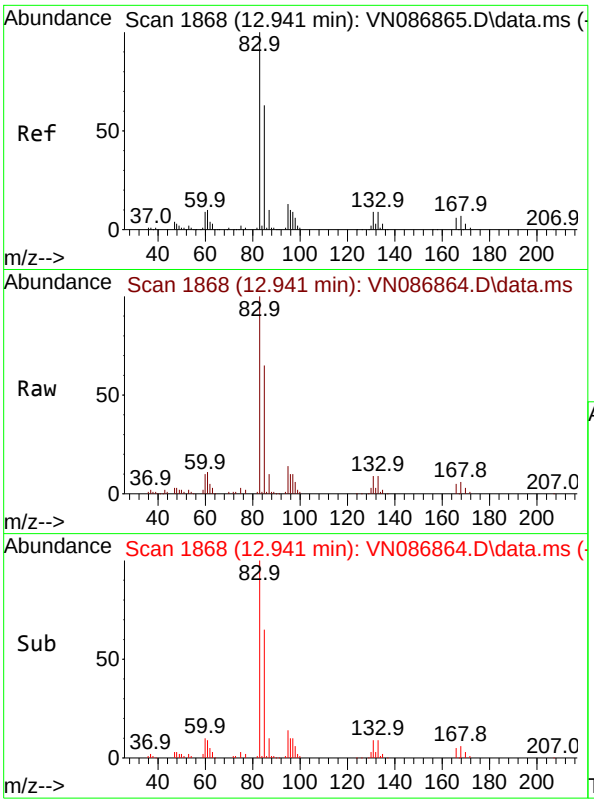


#74
N-amyl acetate
Concen: 19.633 ug/l
RT: 12.523 min Scan# 1797
Delta R.T. 0.012 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 43 Resp: 86003

Ion	Ratio	Lower	Upper
43	100		
70	47.7	37.6	56.4
55	26.6	19.0	28.6
61	25.9	20.8	31.2





#75
1,1,2,2-Tetrachloroethane
Concen: 20.634 ug/l
RT: 12.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

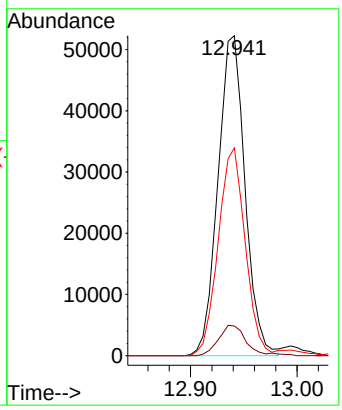
Tgt Ion: 83 Resp: 9226

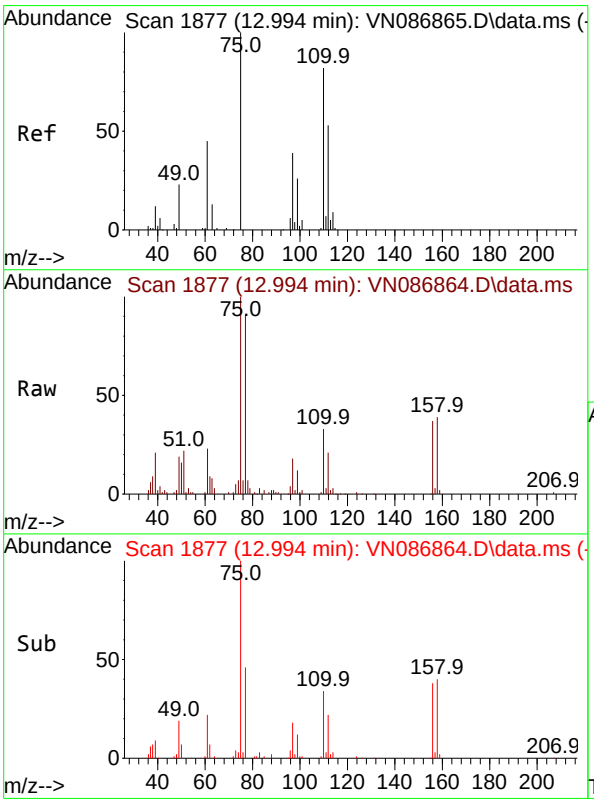
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	64.5	32.0	96.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

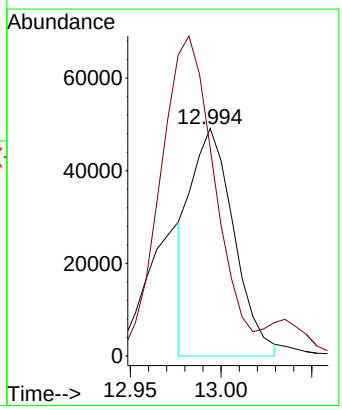


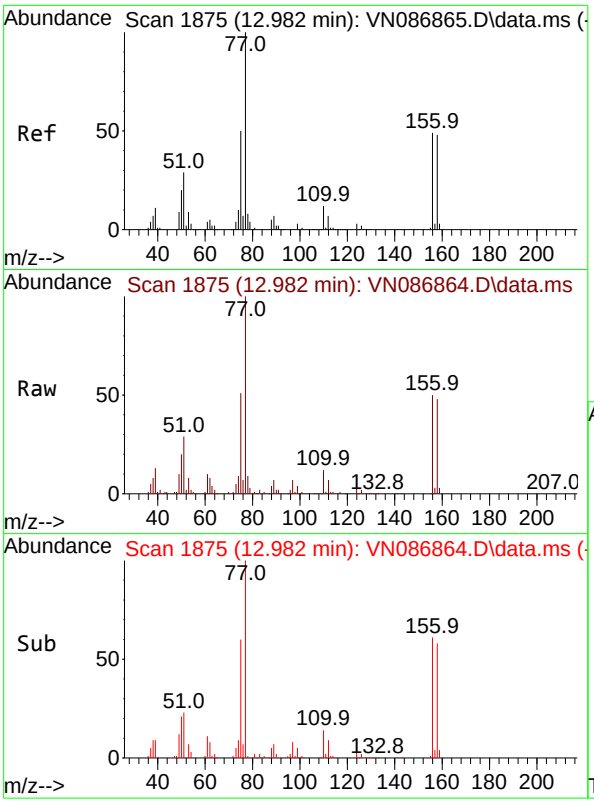


#76
1,2,3-Trichloropropane
Concen: 18.945 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 75 Resp: 81846

Ion	Ratio	Lower	Upper
75	100		
77	176.5	79.3	237.9

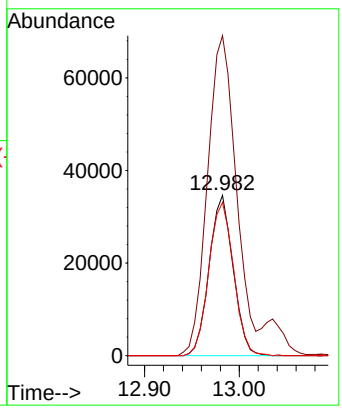




#77
Bromobenzene
Concen: 20.111 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:156 Resp: 6087

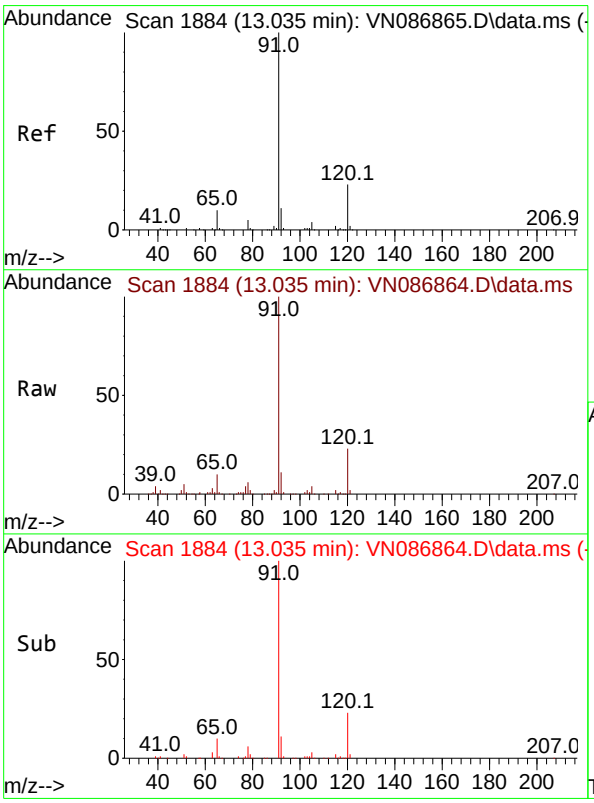
Ion	Ratio	Lower	Upper
156	100		
77	237.3	117.7	353.1
158	99.0	48.1	144.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

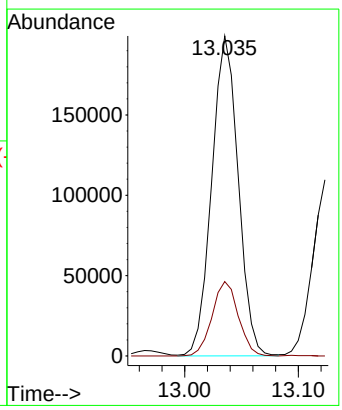
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

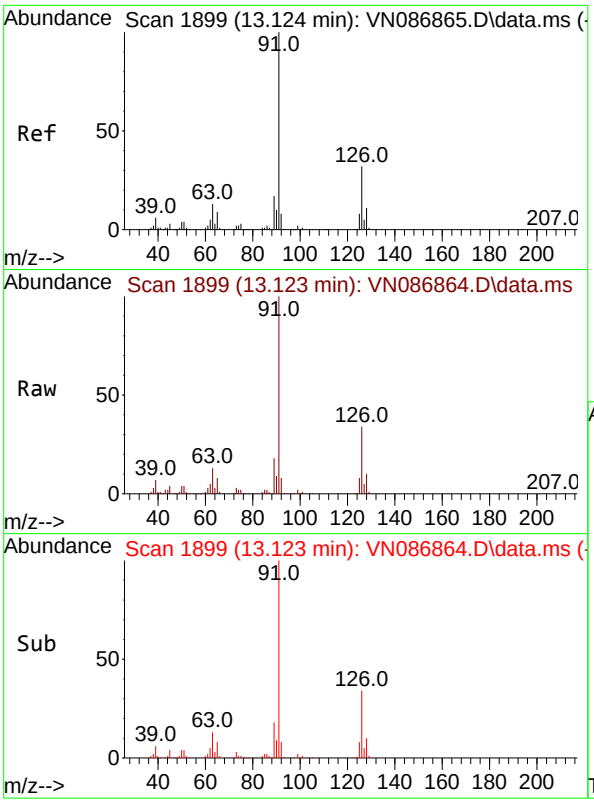


#78
n-propylbenzene
Concen: 20.102 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 91 Resp: 322436

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.4	34.2

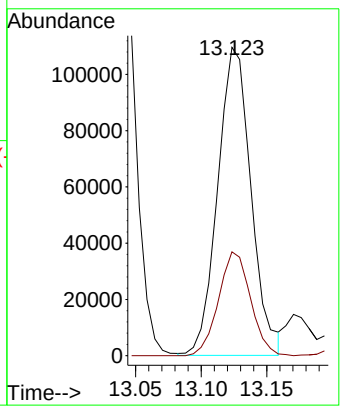




#79
2-Chlorotoluene
Concen: 20.144 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 91 Resp: 19377

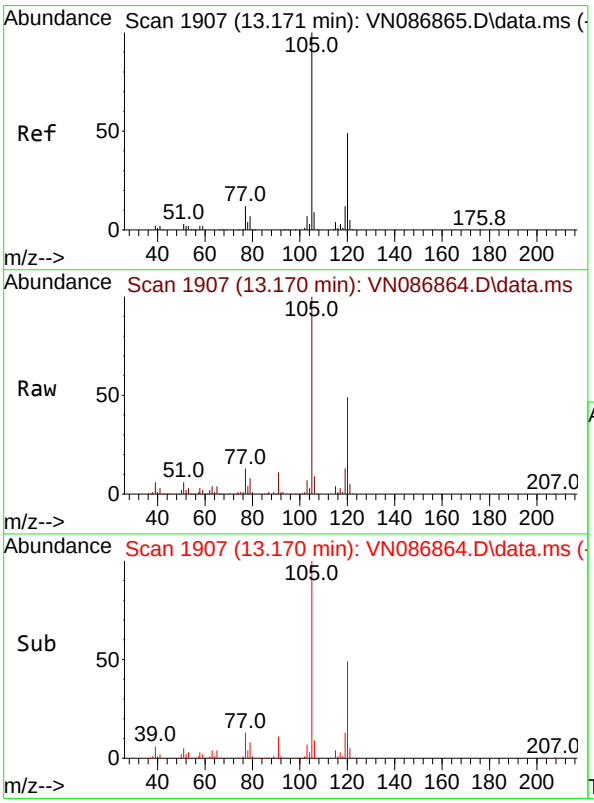
Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.2	48.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

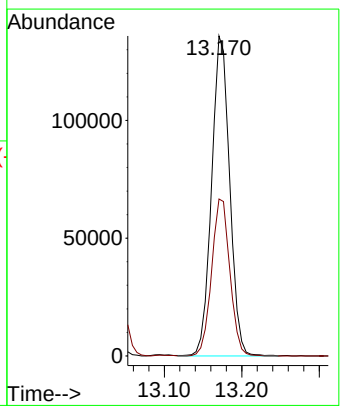
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

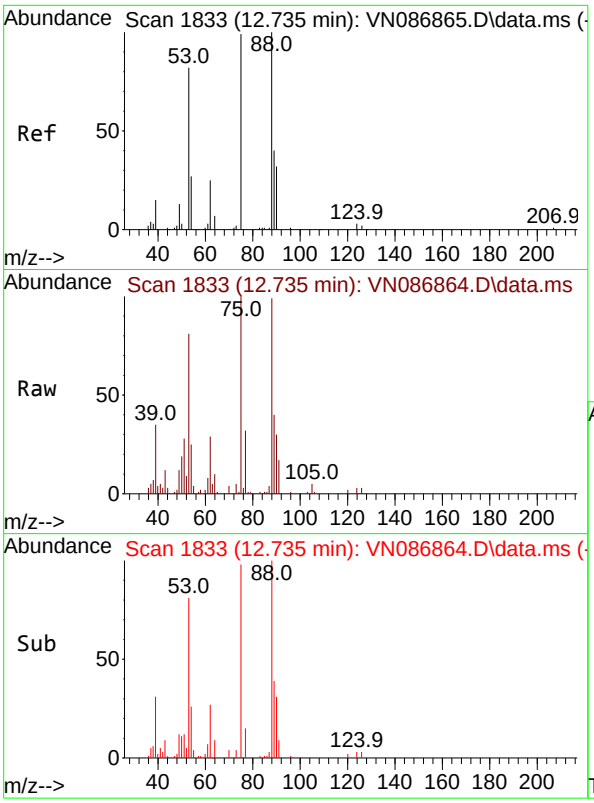


#80
1,3,5-Trimethylbenzene
Concen: 20.183 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:105 Resp: 219937

Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.9	74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 20.209 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

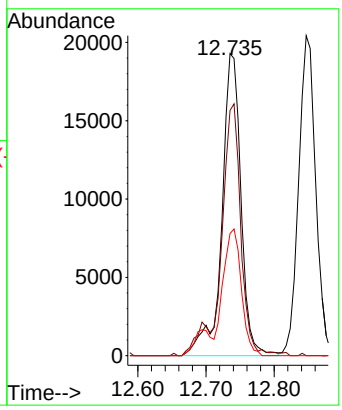
Tgt Ion: 75 Resp: 3780

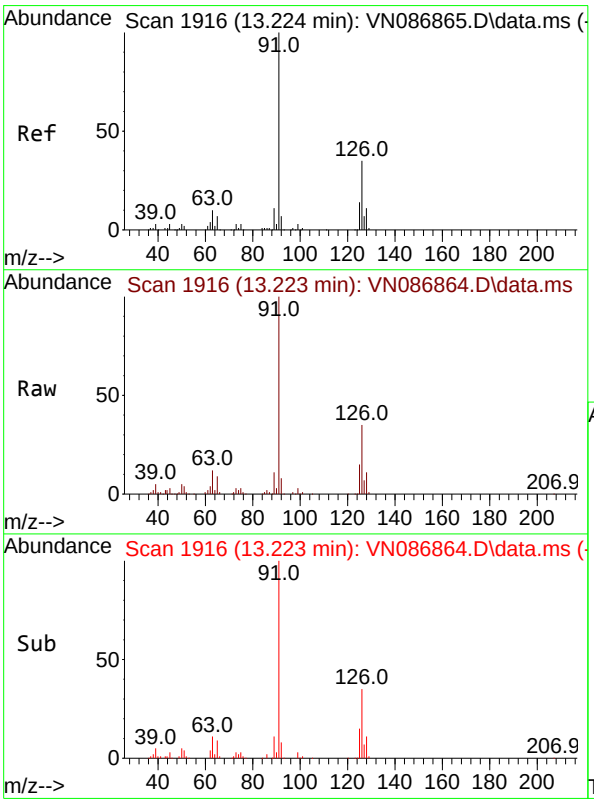
Ion	Ratio	Lower	Upper
75	100		
53	77.3	66.6	99.8
89	39.6	36.7	55.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

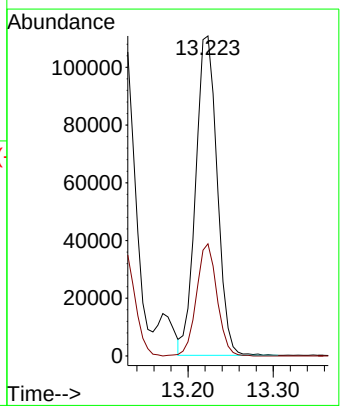


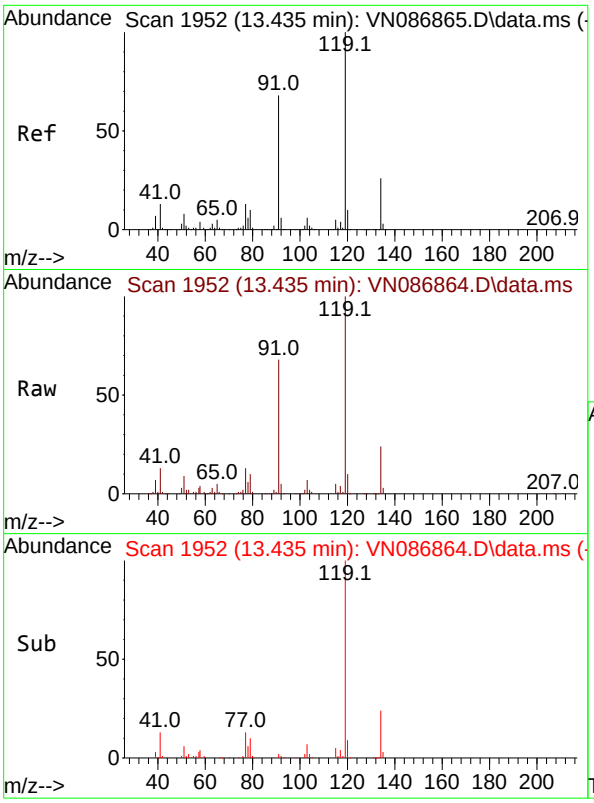


#82
4-Chlorotoluene
Concen: 19.885 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 91 Resp: 193544

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.7	50.1

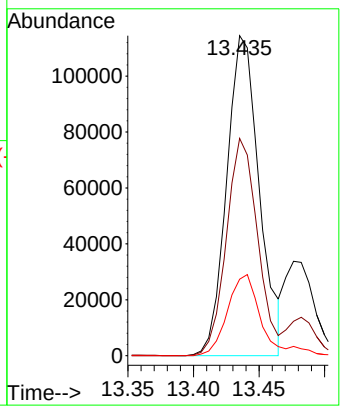




#83
tert-Butylbenzene
Concen: 19.880 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:119 Resp: 19830

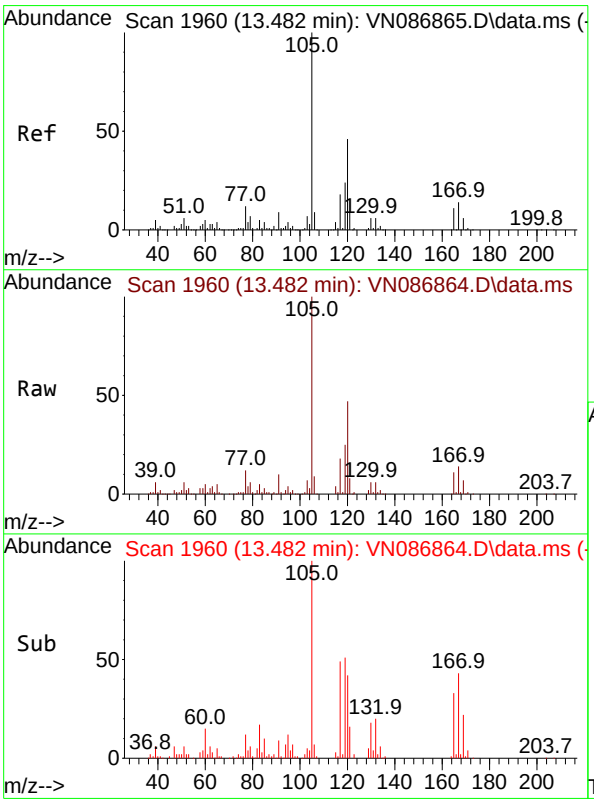
Ion	Ratio	Lower	Upper
119	100		
91	65.2	32.1	96.5
134	26.5	13.4	40.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

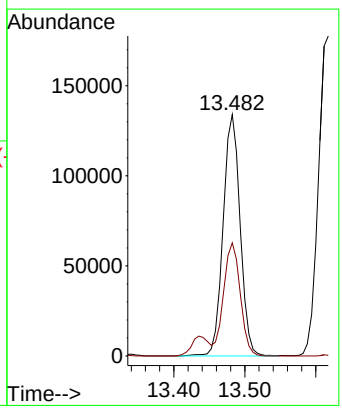
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

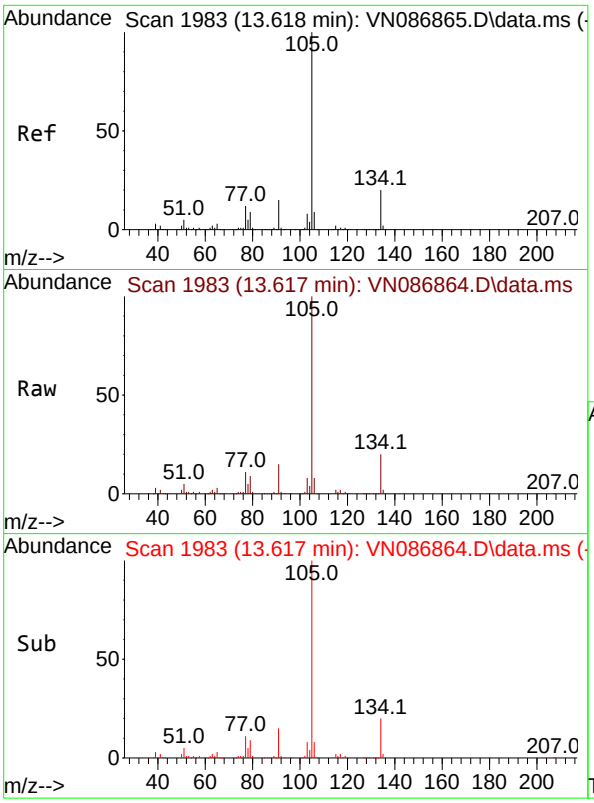


#84
1,2,4-Trimethylbenzene
Concen: 20.315 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:105 Resp: 221990

Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.2	69.6

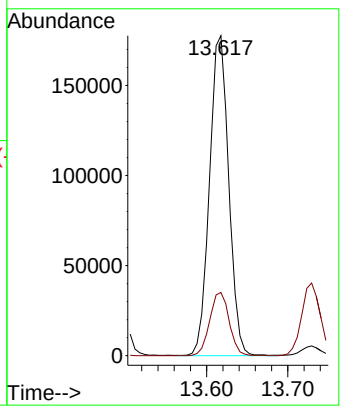




#85
sec-Butylbenzene
Concen: 20.196 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:105 Resp: 29256

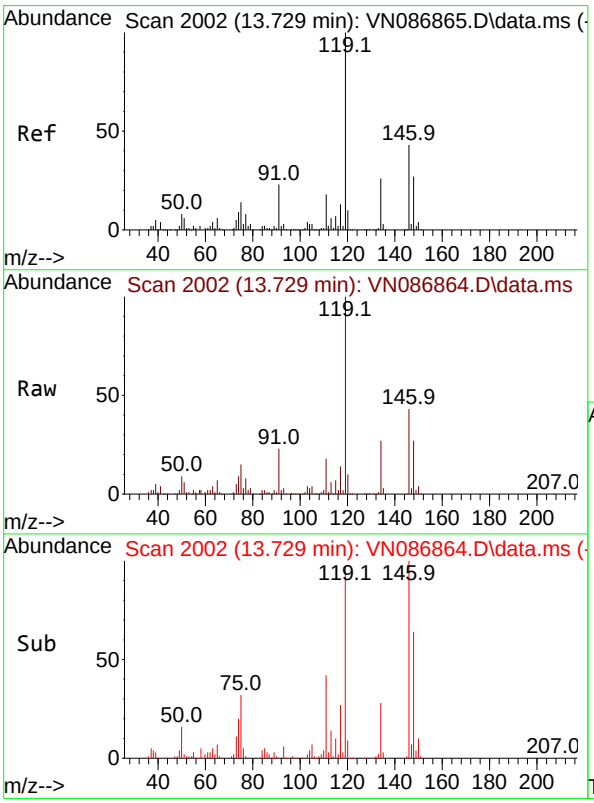
Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	30.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

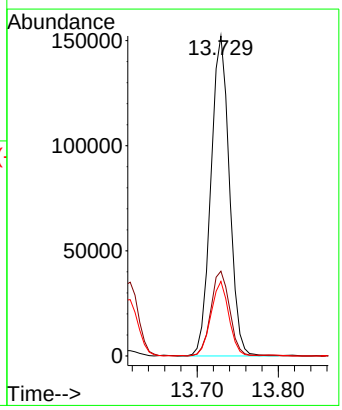
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

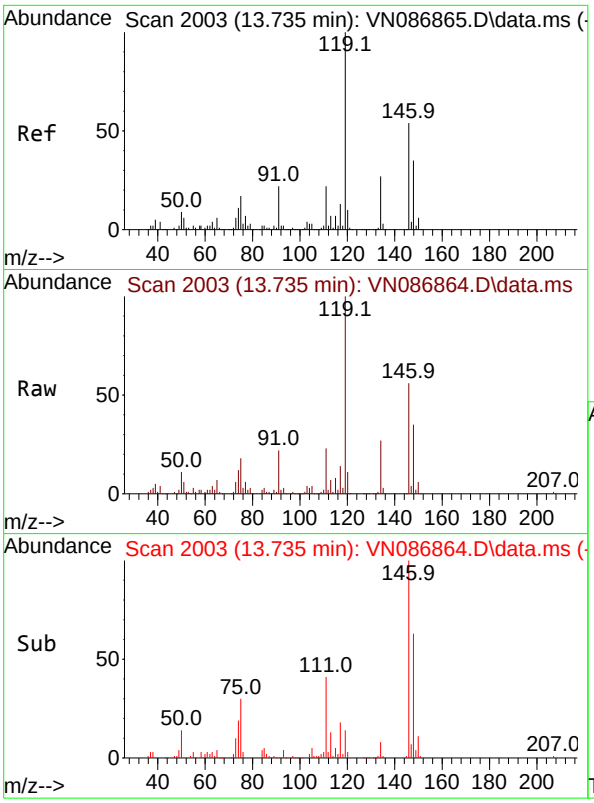


#86
p-Isopropyltoluene
Concen: 20.099 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:119 Resp: 240682

Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.5	40.4
91	22.7	11.5	34.4

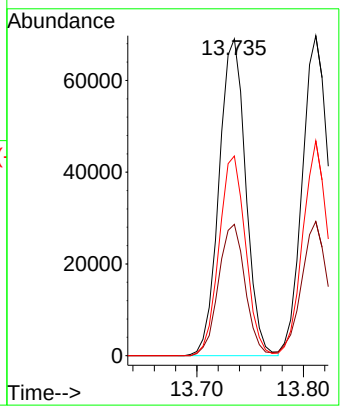




#87
1,3-Dichlorobenzene
Concen: 20.166 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:146 Resp: 12009

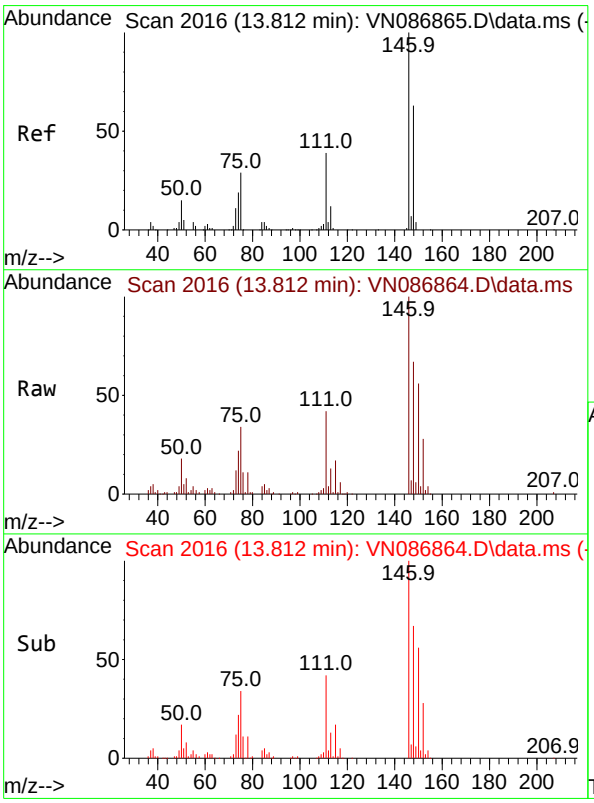
Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.9	62.8
148	62.5	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

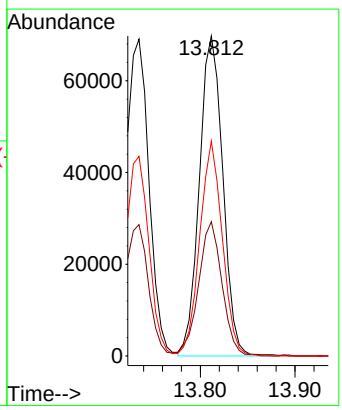
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

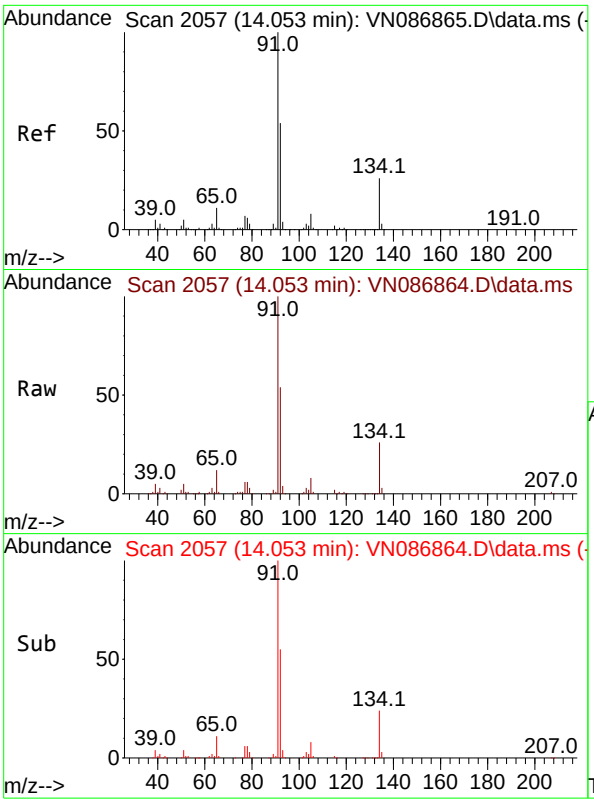


#88
1,4-Dichlorobenzene
Concen: 19.780 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:146 Resp: 120102

Ion	Ratio	Lower	Upper
146	100		
111	42.5	19.9	59.7
148	64.7	31.8	95.4

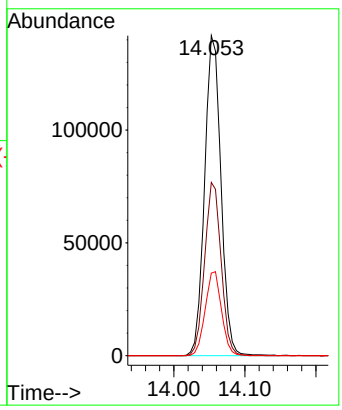




#89
n-Butylbenzene
Concen: 19.617 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 91 Resp: 22753

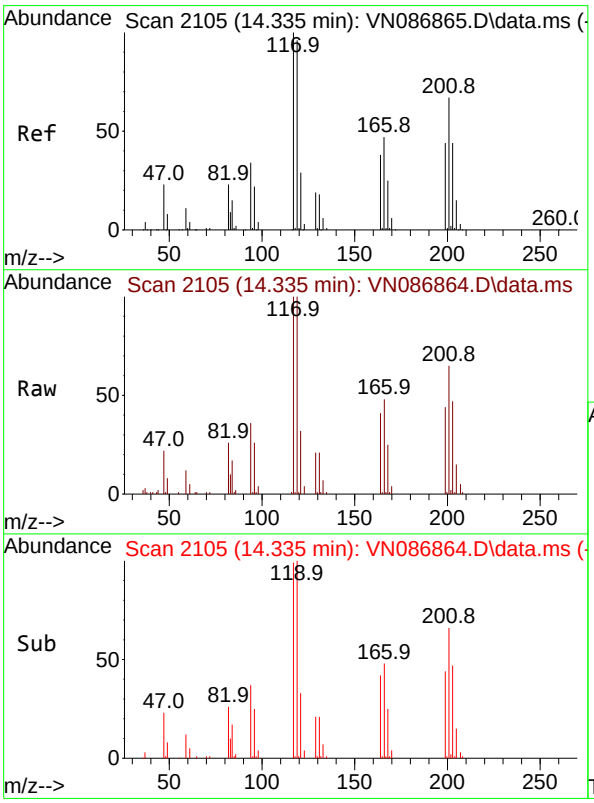
Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.5	82.4
134	26.2	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

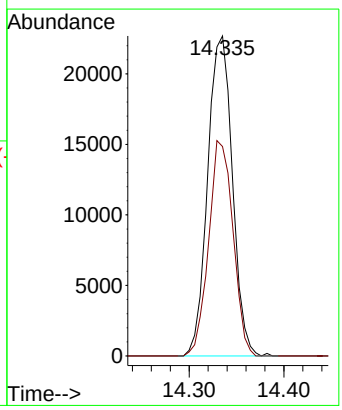
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

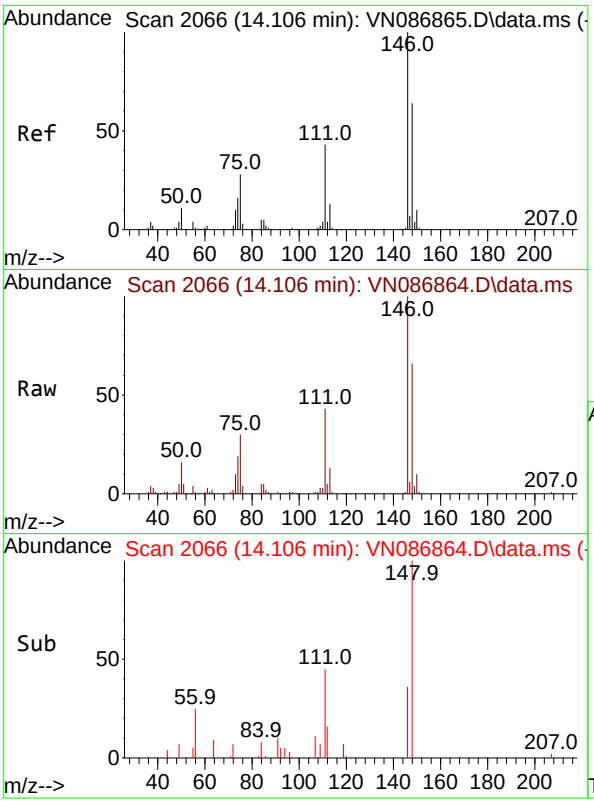


#90
Hexachloroethane
Concen: 20.299 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:117 Resp: 41202

Ion	Ratio	Lower	Upper
117	100		
201	66.2	33.2	99.6

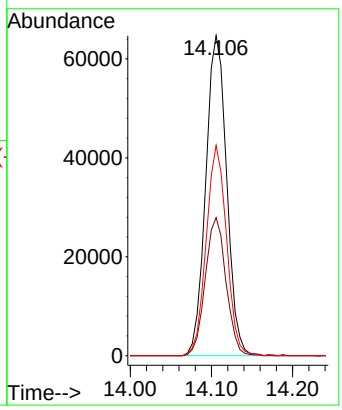




#91
1,2-Dichlorobenzene
Concen: 20.212 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:146 Resp: 11564

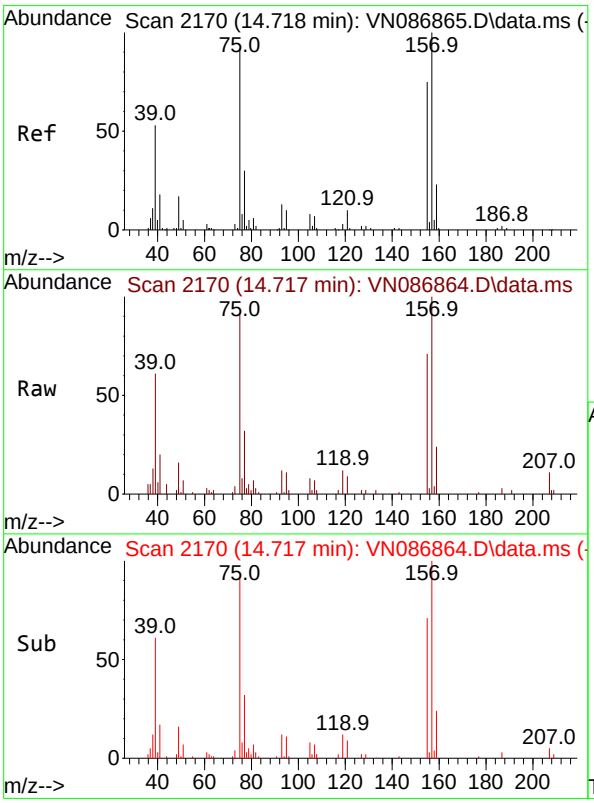
Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	64.6
148	63.9	31.7	95.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

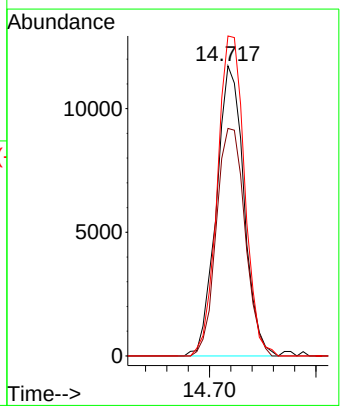
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

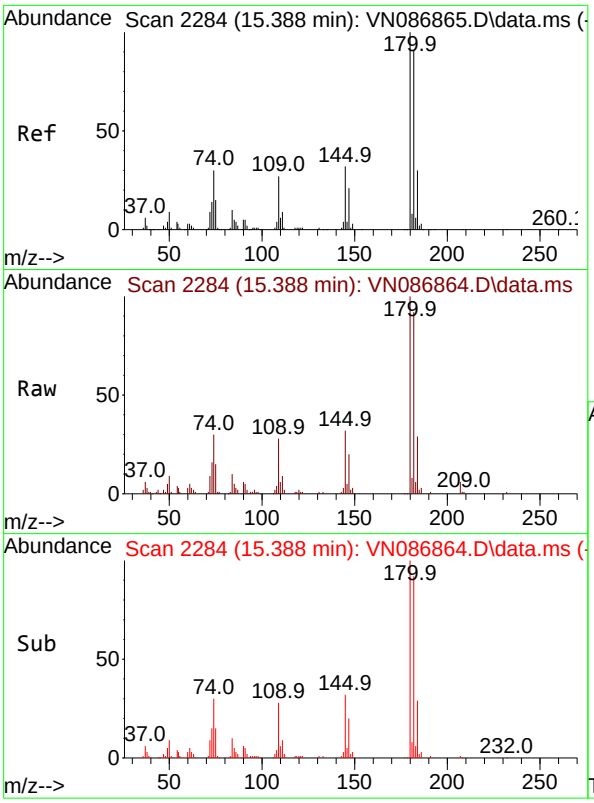


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.661 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 75 Resp: 21025

Ion	Ratio	Lower	Upper
75	100		
155	81.8	41.1	123.4
157	109.0	52.7	158.1





#93
1,2,4-Trichlorobenzene
Concen: 19.659 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

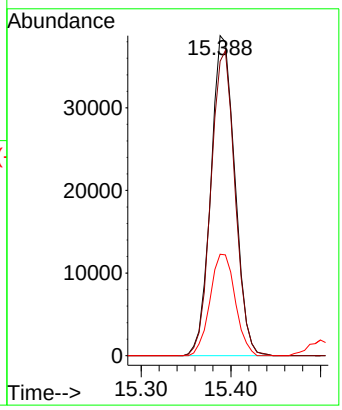
Tgt Ion:180 Resp: 7182

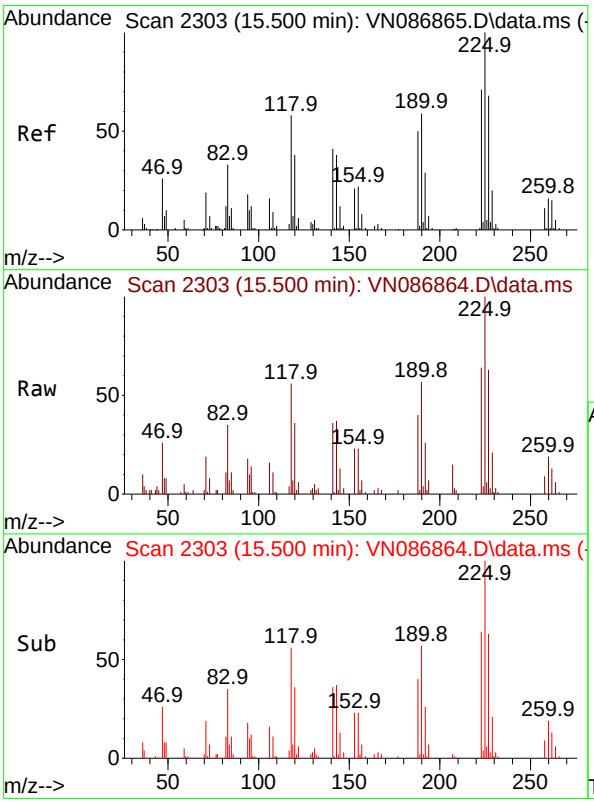
Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.9	140.7
145	33.3	16.0	47.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

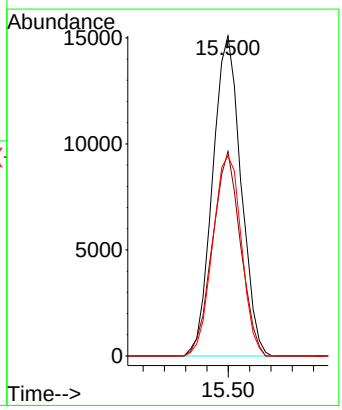


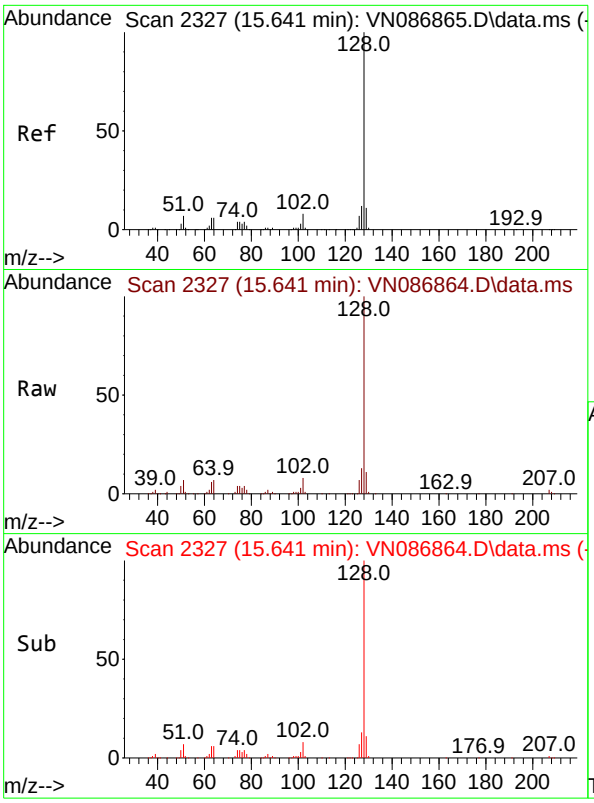


#94
Hexachlorobutadiene
Concen: 20.486 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:225 Resp: 27887

Ion	Ratio	Lower	Upper
225	100		
223	63.0	33.5	100.4
227	63.3	31.1	93.5

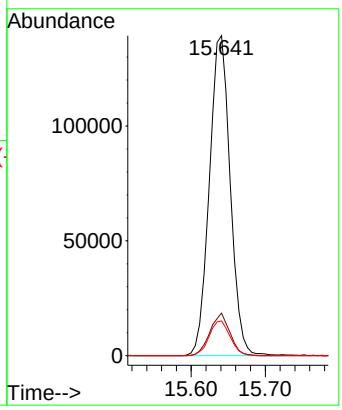




#95
Naphthalene
Concen: 20.043 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:128 Resp: 27258

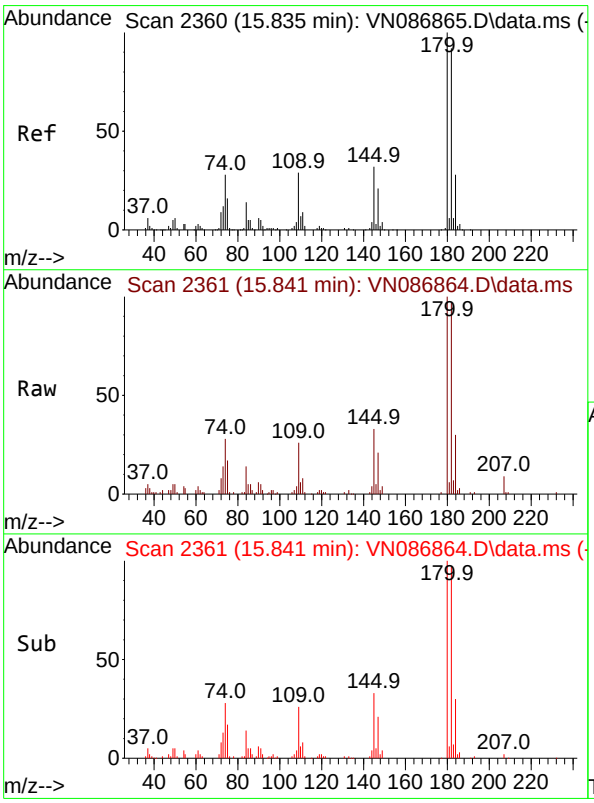
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.0	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

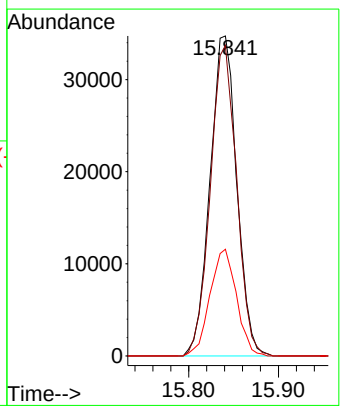
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.815 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:180 Resp: 71929

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.0	141.0
145	33.1	16.6	49.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	207354	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	378587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	332766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	167532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	103736	37.366	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 74.740%			
35) Dibromofluoromethane	8.171	113	83058	37.020	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 74.040%#			
50) Toluene-d8	10.571	98	326105	36.716	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 73.440%#			
62) 4-Bromofluorobenzene	12.847	95	122965	37.264	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 74.520%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	103958	50.283	ug/l	100
3) Chloromethane	2.395	50	123866	46.397	ug/l	100
4) Vinyl Chloride	2.554	62	132783	48.215	ug/l	100
5) Bromomethane	2.995	94	73974	47.999	ug/l	100
6) Chloroethane	3.154	64	84505	47.504	ug/l	100
7) Trichlorofluoromethane	3.524	101	172860	48.041	ug/l	100
8) Diethyl Ether	3.983	74	75193	47.963	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.395	101	107695	47.640	ug/l	100
10) Methyl Iodide	4.606	142	141678	48.346	ug/l	100
11) Tert butyl alcohol	5.548	59	182315	242.020	ug/l	100
12) 1,1-Dichloroethene	4.359	96	110549	47.900	ug/l	100
13) Acrolein	4.201	56	47026	197.217	ug/l	100
14) Allyl chloride	5.042	41	179313	46.848	ug/l	100
15) Acrylonitrile	5.742	53	421941	239.638	ug/l	100
16) Acetone	4.448	43	333857	226.765	ug/l	100
17) Carbon Disulfide	4.730	76	295753	46.328	ug/l	100
18) Methyl Acetate	5.042	43	204538	47.673	ug/l	100
19) Methyl tert-butyl Ether	5.812	73	400775	47.960	ug/l	100
20) Methylene Chloride	5.295	84	125498	45.531	ug/l	100
21) trans-1,2-Dichloroethene	5.806	96	117660	45.822	ug/l	100
22) Diisopropyl ether	6.689	45	384939	47.711	ug/l	100
23) Vinyl Acetate	6.618	43	1649023	241.910	ug/l	100
24) 1,1-Dichloroethane	6.583	63	220477	47.485	ug/l	100
25) 2-Butanone	7.494	43	571221	238.693	ug/l	100
26) 2,2-Dichloropropane	7.500	77	187567	51.933	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	144911	47.189	ug/l	100
28) Bromochloromethane	7.824	49	96707	42.362	ug/l	100
29) Tetrahydrofuran	7.853	42	371357	238.210	ug/l	100
30) Chloroform	7.977	83	220093	47.467	ug/l	100
31) Cyclohexane	8.271	56	208105	46.217	ug/l	100
32) 1,1,1-Trichloroethane	8.177	97	185502	47.037	ug/l	100
36) 1,1-Dichloropropene	8.377	75	158341	47.362	ug/l	100
37) Ethyl Acetate	7.577	43	203091	47.720	ug/l	100
38) Carbon Tetrachloride	8.371	117	154677	47.126	ug/l	100
39) Methylcyclohexane	9.606	83	215849	47.126	ug/l	100
40) Benzene	8.612	78	509334	46.590	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.789	41	114727	48.000	ug/l		100
42) 1,2-Dichloroethane	8.677	62	155713	46.960	ug/l		100
43) Isopropyl Acetate	8.694	43	322741	47.248	ug/l		100
44) Trichloroethene	9.359	130	123847	47.776	ug/l		100
45) 1,2-Dichloropropane	9.630	63	125673	47.251	ug/l		100
46) Dibromomethane	9.718	93	83811	47.442	ug/l		100
47) Bromodichloromethane	9.894	83	173200	47.651	ug/l		100
48) Methyl methacrylate	9.683	41	149019	47.399	ug/l		100
49) 1,4-Dioxane	9.700	88	59060	1032.607	ug/l	#	100
51) 4-Methyl-2-Pentanone	10.447	43	1017688	247.484	ug/l		100
52) Toluene	10.635	92	316219	47.331	ug/l		100
53) t-1,3-Dichloropropene	10.841	75	197475	48.587	ug/l		100
54) cis-1,3-Dichloropropene	10.318	75	208523	47.950	ug/l		100
55) 1,1,2-Trichloroethane	11.018	97	121969	47.445	ug/l		100
56) Ethyl methacrylate	10.882	69	210467	51.401	ug/l		100
57) 1,3-Dichloropropane	11.165	76	212243	47.593	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.165	63	519139	212.570	ug/l		100
59) 2-Hexanone	11.200	43	696567	262.977	ug/l		100
60) Dibromochloromethane	11.359	129	128715	48.056	ug/l		100
61) 1,2-Dibromoethane	11.471	107	124522	47.258	ug/l		100
64) Tetrachloroethene	11.106	164	97679	46.382	ug/l		100
65) Chlorobenzene	11.894	112	340439	46.386	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.965	131	112333	47.615	ug/l		100
67) Ethyl Benzene	11.965	91	597593	47.271	ug/l		100
68) m/p-Xylenes	12.071	106	466620	96.424	ug/l		100
69) o-Xylene	12.400	106	224299	48.395	ug/l		100
70) Styrene	12.412	104	386596	48.745	ug/l		100
71) Bromoform	12.582	173	88127	50.415	ug/l	#	100
73) Isopropylbenzene	12.694	105	573905	47.023	ug/l		100
74) N-amyl acetate	12.512	43	212064	52.353	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.941	83	197360	47.732	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	196473m	49.183	ug/l		
77) Bromobenzene	12.982	156	132381	47.296	ug/l		100
78) n-propylbenzene	13.035	91	705524	47.567	ug/l		100
79) 2-Chlorotoluene	13.124	91	419986	47.216	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	485499	48.181	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	79732	46.089	ug/l		100
82) 4-Chlorotoluene	13.224	91	424066	47.117	ug/l		100
83) tert-Butylbenzene	13.435	119	438417	47.531	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	488189	48.314	ug/l		100
85) sec-Butylbenzene	13.618	105	641523	47.893	ug/l		100
86) p-Isopropyltoluene	13.729	119	533366	48.169	ug/l		100
87) 1,3-Dichlorobenzene	13.735	146	260310	47.269	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	263358	46.907	ug/l		100
89) n-Butylbenzene	14.053	91	512519	47.787	ug/l		100
90) Hexachloroethane	14.335	117	89896	47.896	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	251235	47.486	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	45535	46.049	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	162374	48.061	ug/l		100
94) Hexachlorobutadiene	15.500	225	60866	48.356	ug/l		100
95) Naphthalene	15.641	128	603088	47.958	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	159113	47.402	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 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

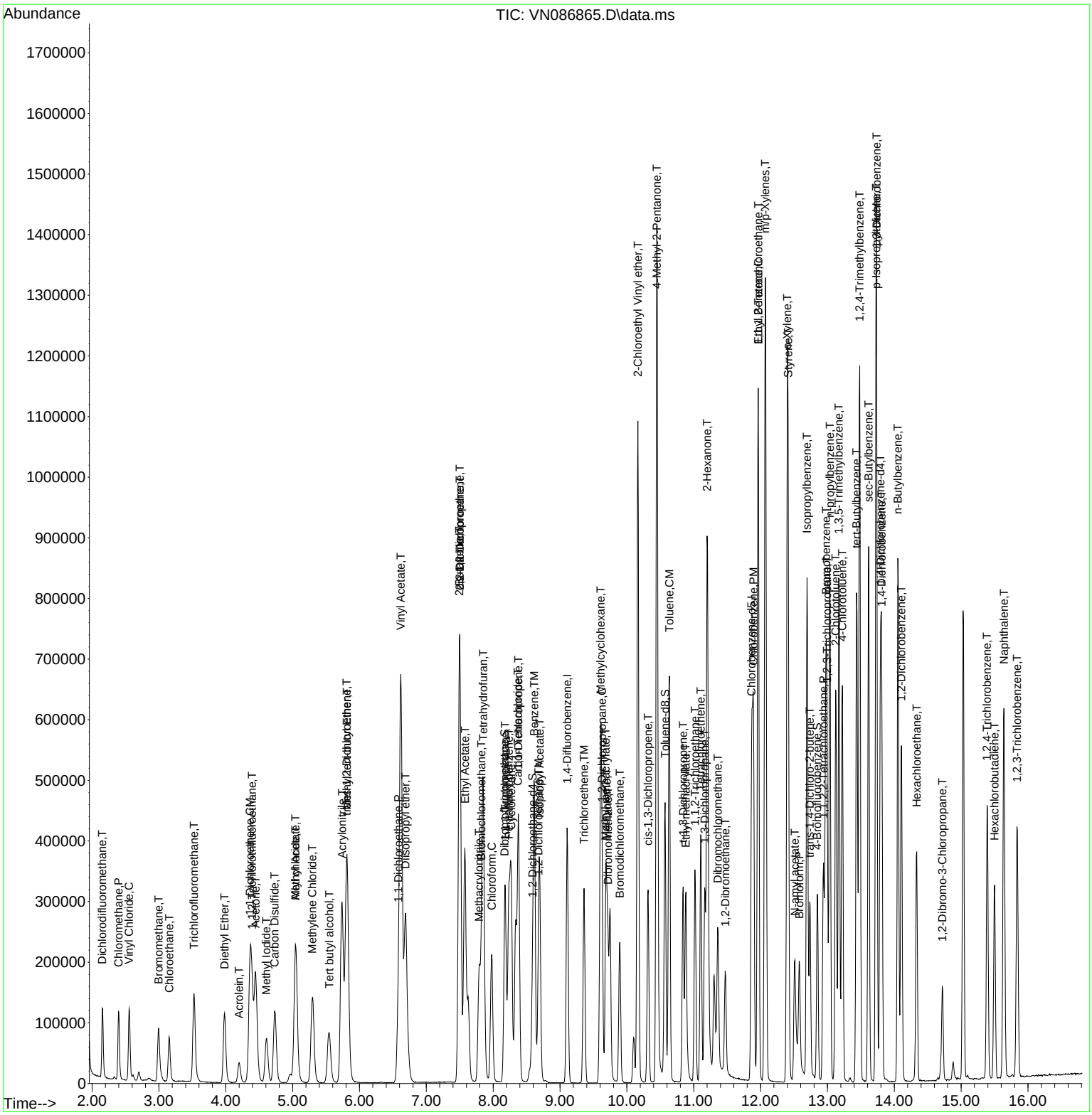
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

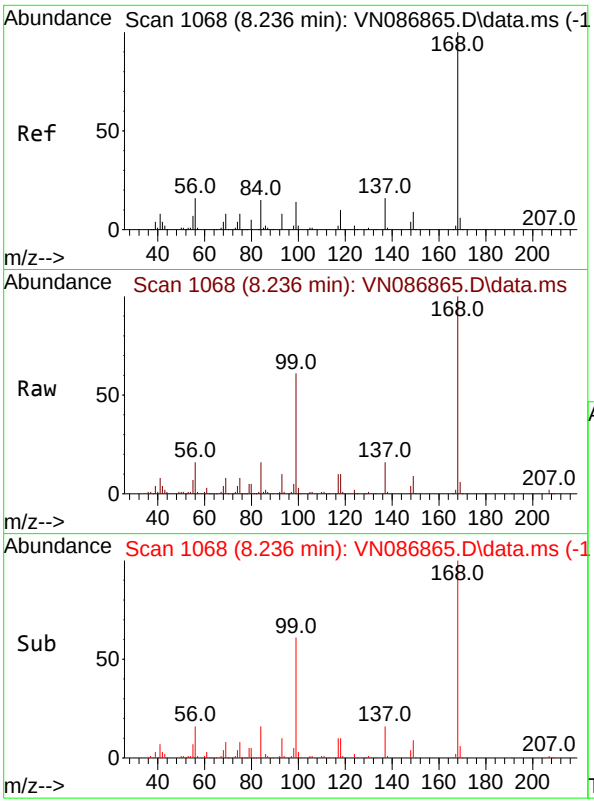
Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

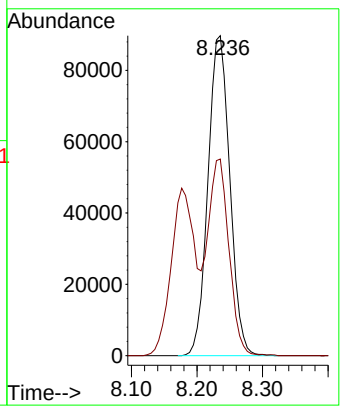




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:168 Resp: 20735

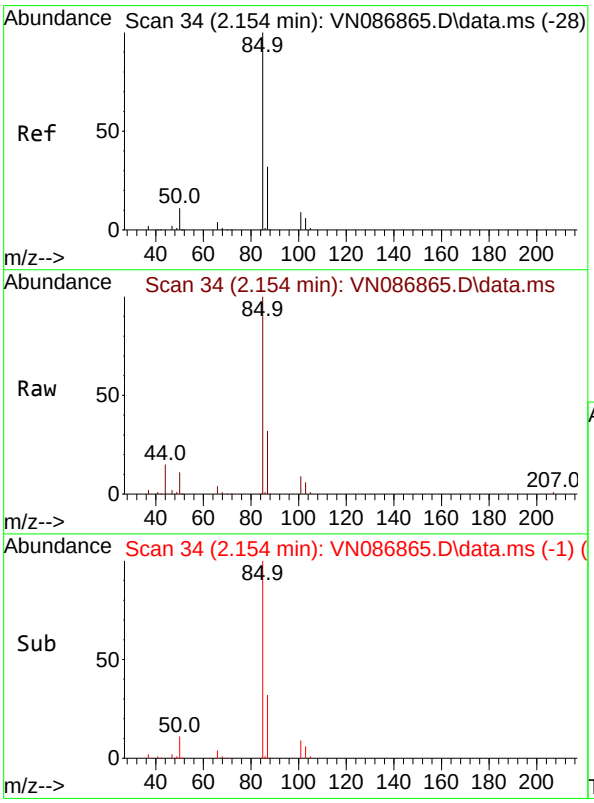
Ion	Ratio	Lower	Upper
168	100		
99	61.4	49.1	73.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

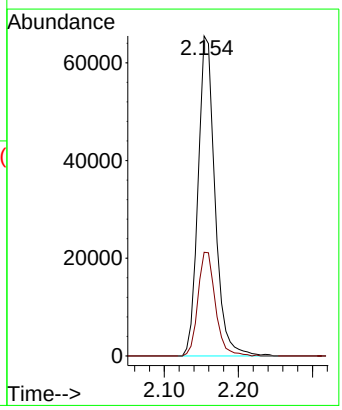
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

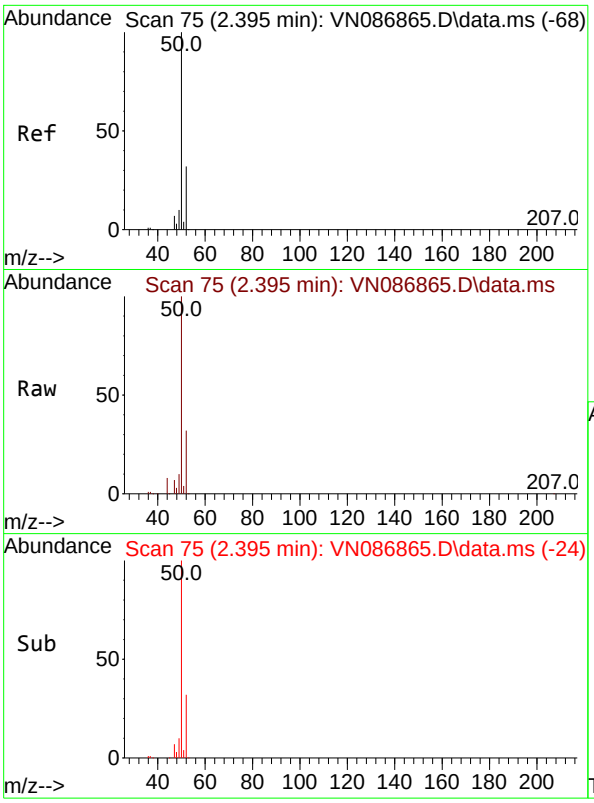


#2
Dichlorodifluoromethane
Concen: 50.283 ug/l
RT: 2.154 min Scan# 34
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 85 Resp: 103958

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.2	48.6

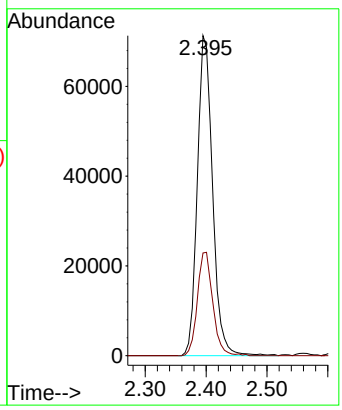




#3
Chloromethane
Concen: 46.397 ug/l
RT: 2.395 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 50 Resp: 12386

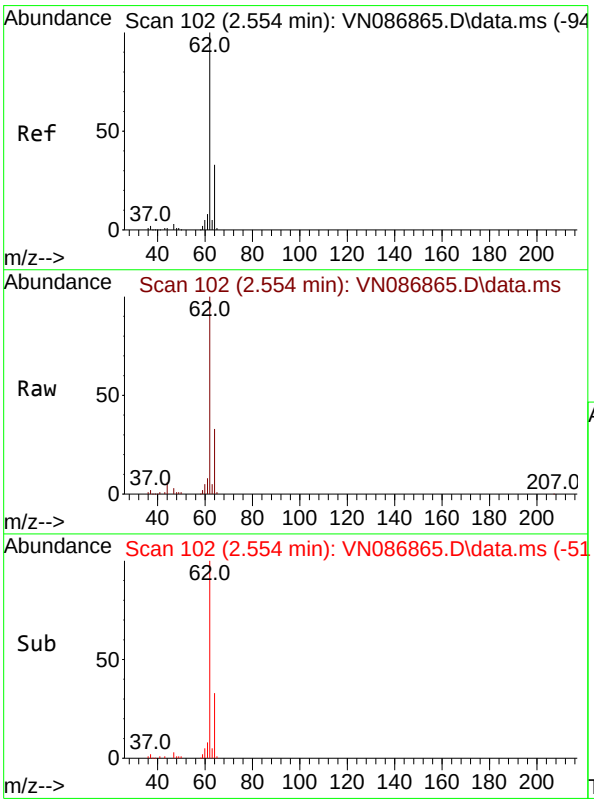
Ion	Ratio	Lower	Upper
50	100		
52	32.1	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

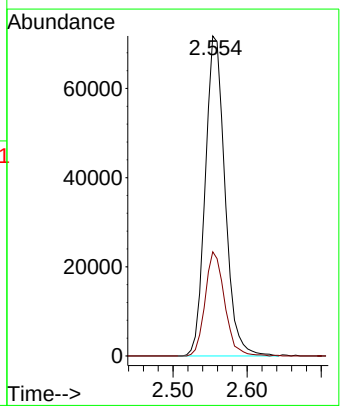
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

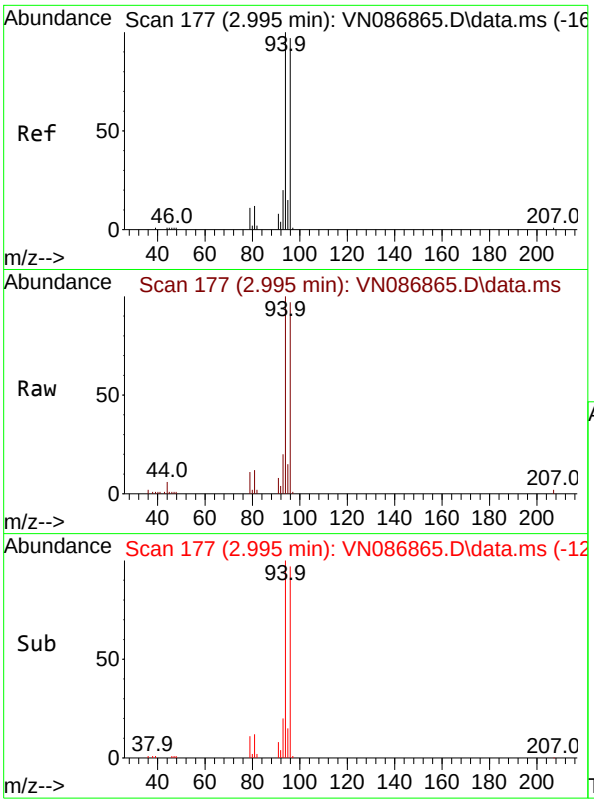


#4
Vinyl Chloride
Concen: 48.215 ug/l
RT: 2.554 min Scan# 102
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 62 Resp: 132783

Ion	Ratio	Lower	Upper
62	100		
64	32.5	26.0	39.0

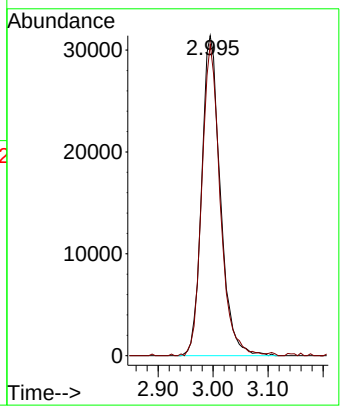




#5
Bromomethane
Concen: 47.999 ug/l
RT: 2.995 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 94 Resp: 7397

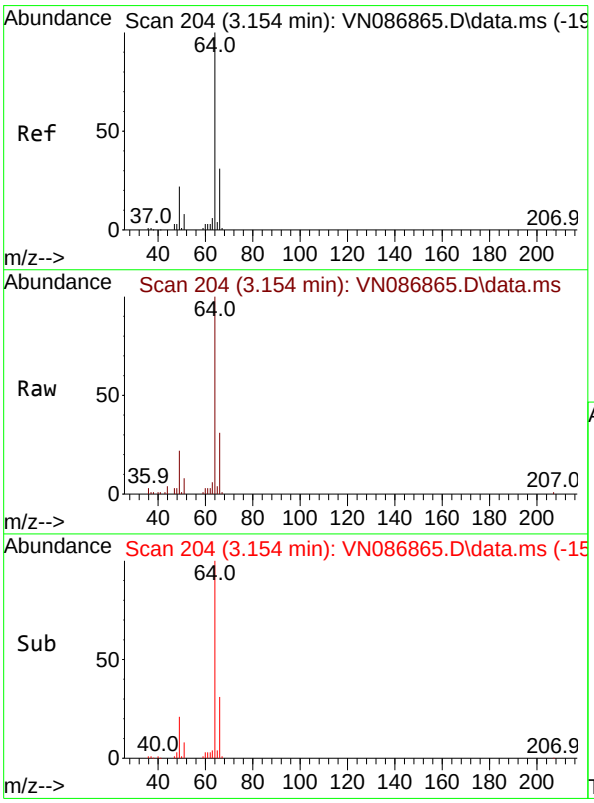
Ion	Ratio	Lower	Upper
94	100		
96	97.4	77.9	116.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

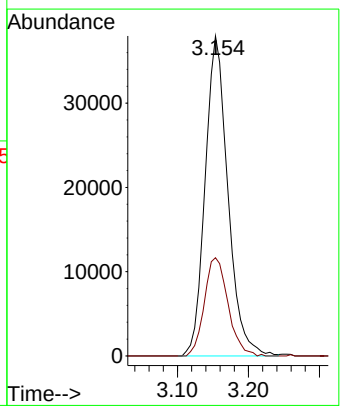
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

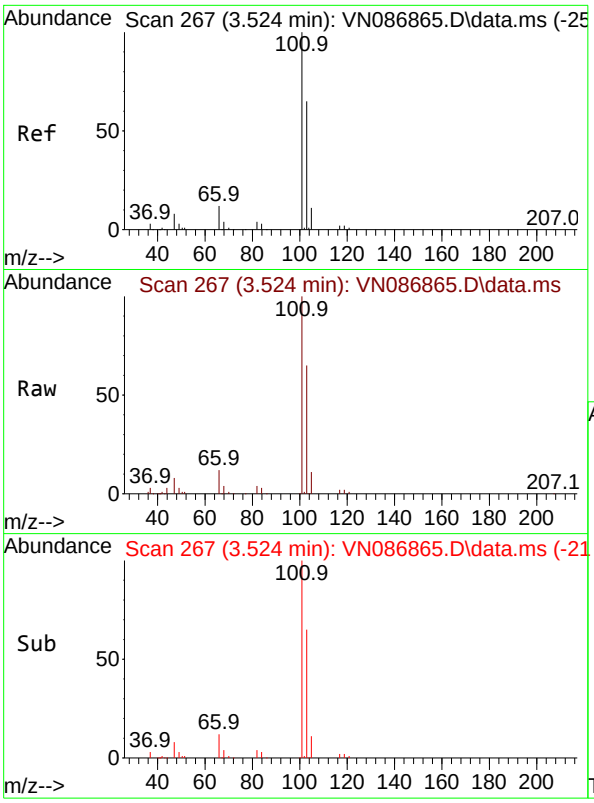


#6
Chloroethane
Concen: 47.504 ug/l
RT: 3.154 min Scan# 204
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 64 Resp: 84505

Ion	Ratio	Lower	Upper
64	100		
66	30.7	24.6	36.8

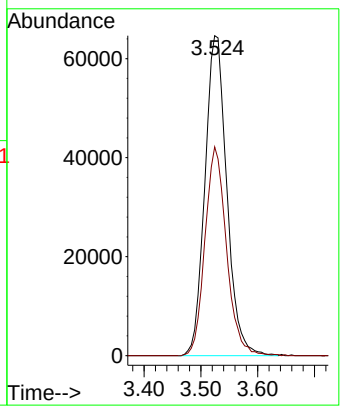




#7
Trichlorofluoromethane
Concen: 48.041 ug/l
RT: 3.524 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:101 Resp: 17286

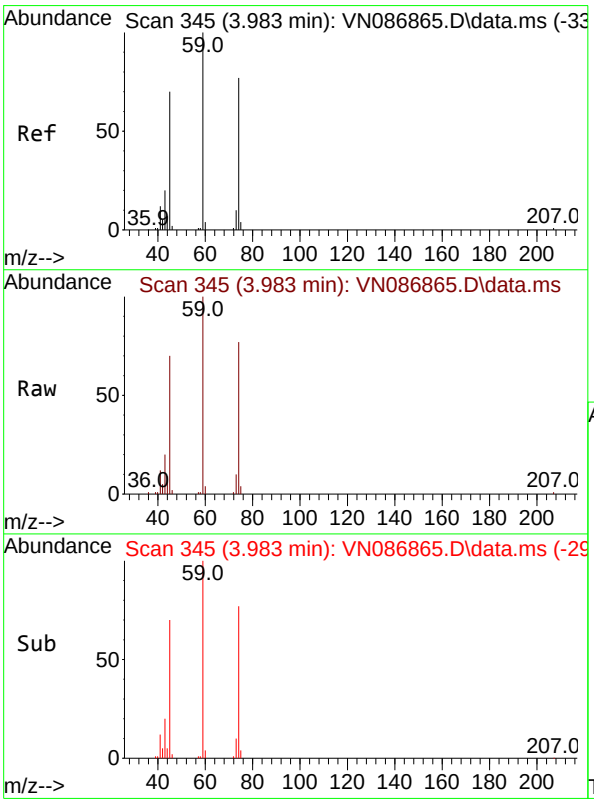
Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.2	78.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

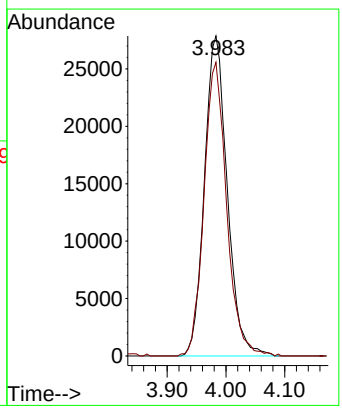
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

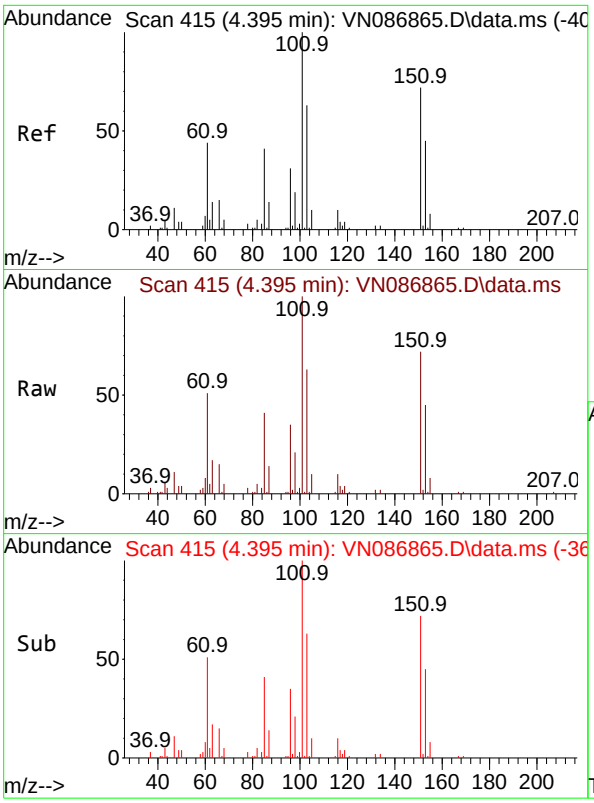


#8
Diethyl Ether
Concen: 47.963 ug/l
RT: 3.983 min Scan# 345
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 74 Resp: 75193

Ion	Ratio	Lower	Upper
74	100		
45	91.0	45.5	136.5

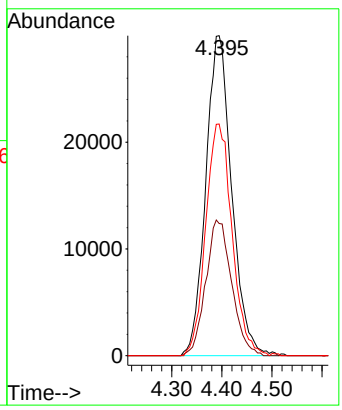




#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.640 ug/l
RT: 4.395 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:101 Resp: 10769

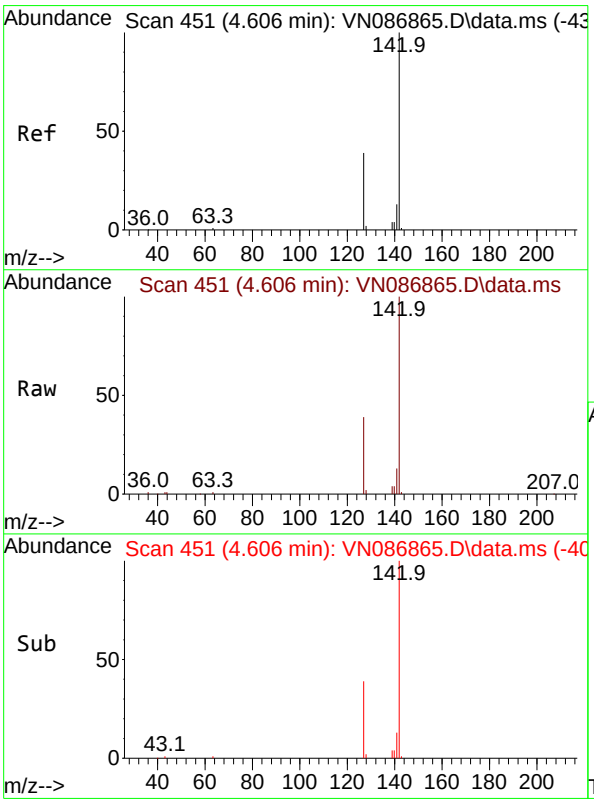
Ion	Ratio	Lower	Upper
101	100		
85	42.3	33.8	50.8
151	73.4	58.7	88.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

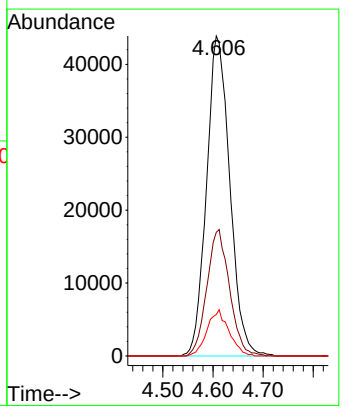
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

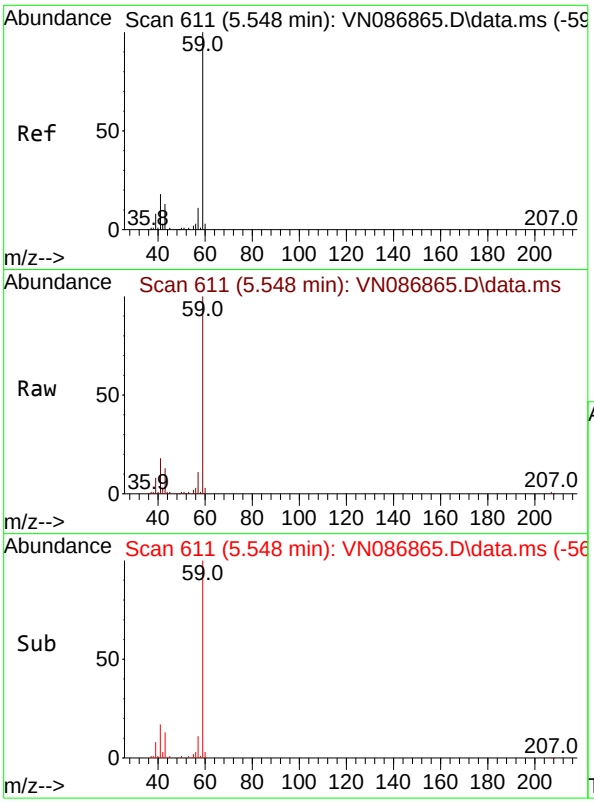


#10
Methyl Iodide
Concen: 48.346 ug/l
RT: 4.606 min Scan# 451
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:142 Resp: 141678

Ion	Ratio	Lower	Upper
142	100		
127	38.6	30.9	46.3
141	13.0	10.4	15.6

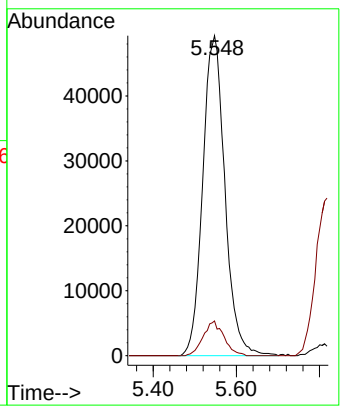




#11
Tert butyl alcohol
Concen: 242.020 ug/l
RT: 5.548 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 59 Resp: 18231

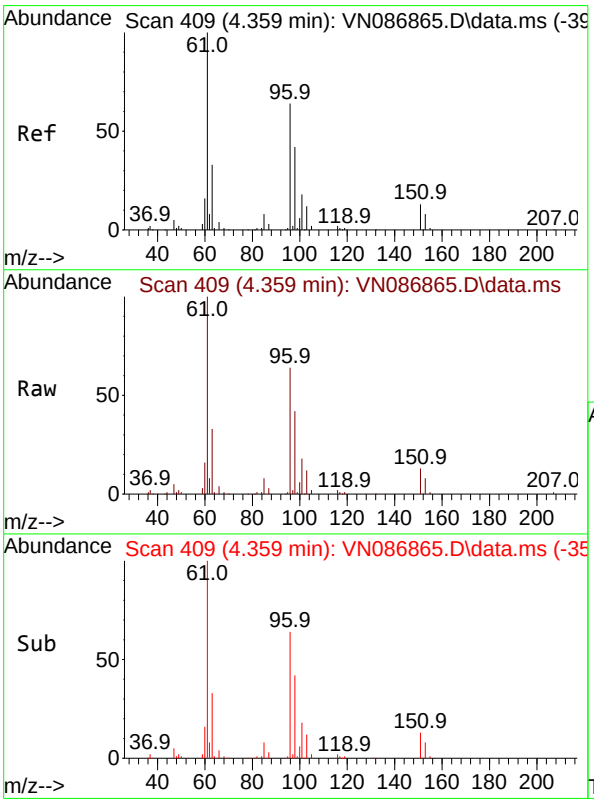
Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

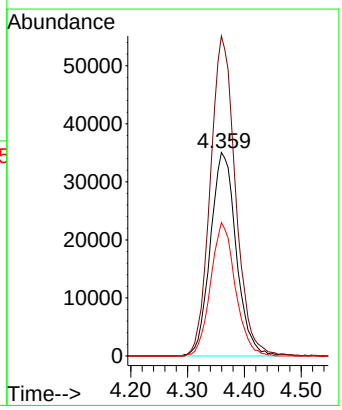
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

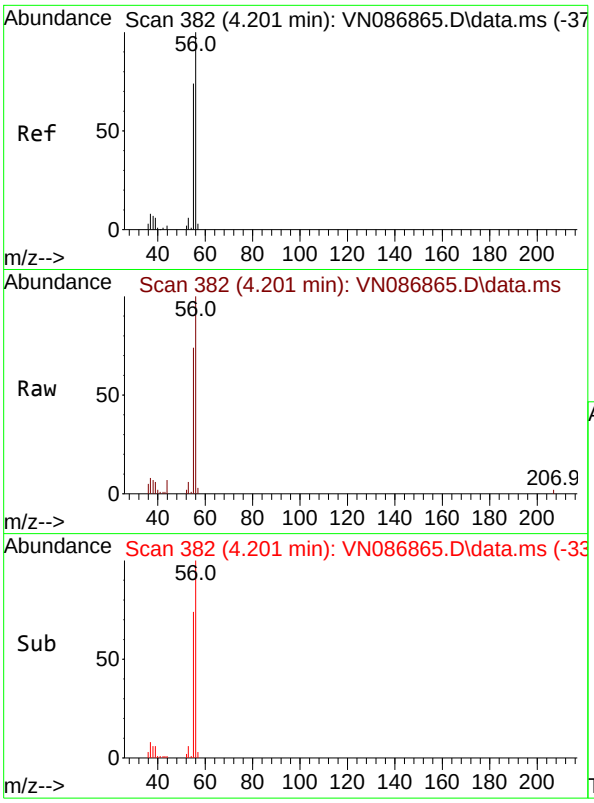


#12
1,1-Dichloroethene
Concen: 47.900 ug/l
RT: 4.359 min Scan# 409
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 96 Resp: 110549

Ion	Ratio	Lower	Upper
96	100		
61	157.2	125.8	188.6
98	65.6	52.5	78.7

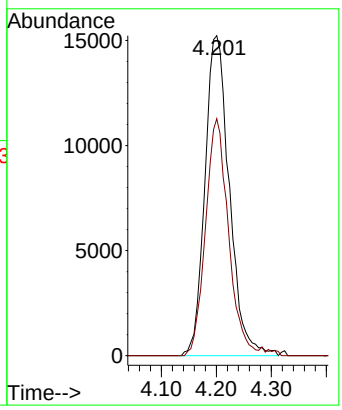




#13
Acrolein
Concen: 197.217 ug/l
RT: 4.201 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 56 Resp: 4702

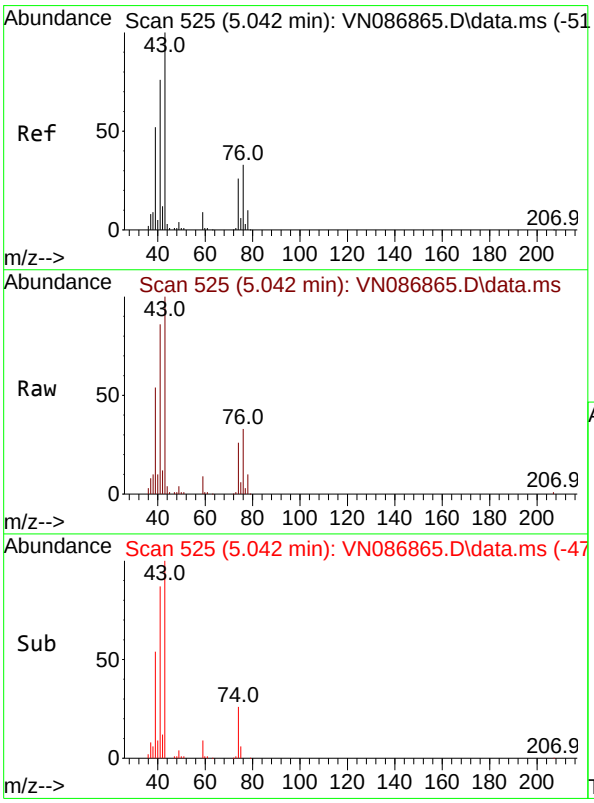
Ion	Ratio	Lower	Upper
56	100		
55	69.5	55.6	83.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

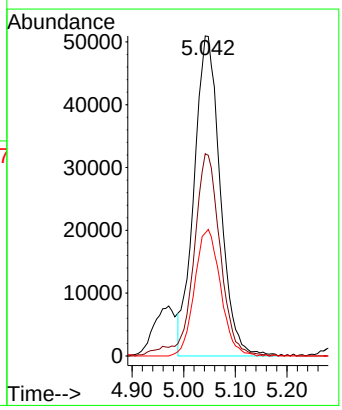
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

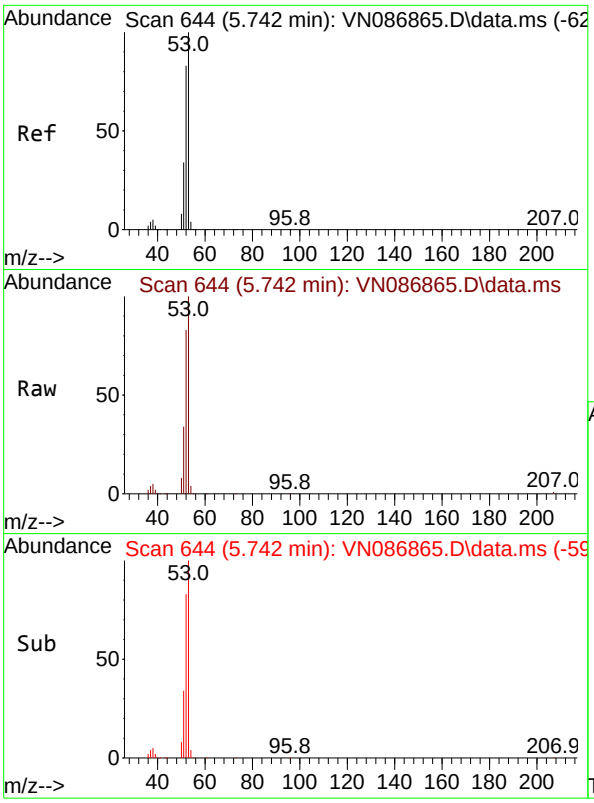


#14
Allyl chloride
Concen: 46.848 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 41 Resp: 179313

Ion	Ratio	Lower	Upper
41	100		
39	64.1	51.3	76.9
76	39.2	31.4	47.0

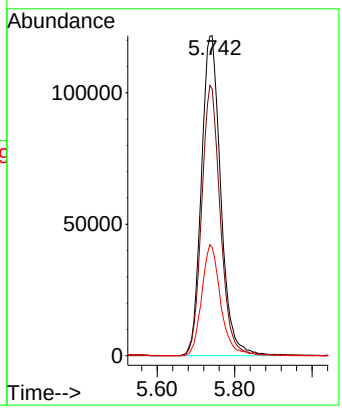




#15
Acrylonitrile
Concen: 239.638 ug/l
RT: 5.742 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 53 Resp: 42194

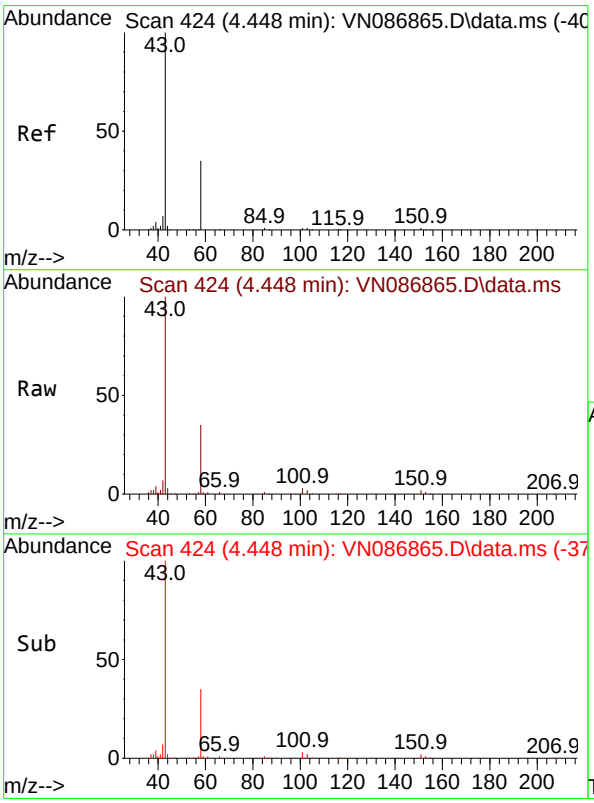
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.0	97.6
51	34.0	27.2	40.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

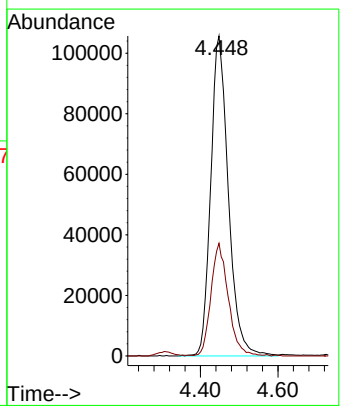
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

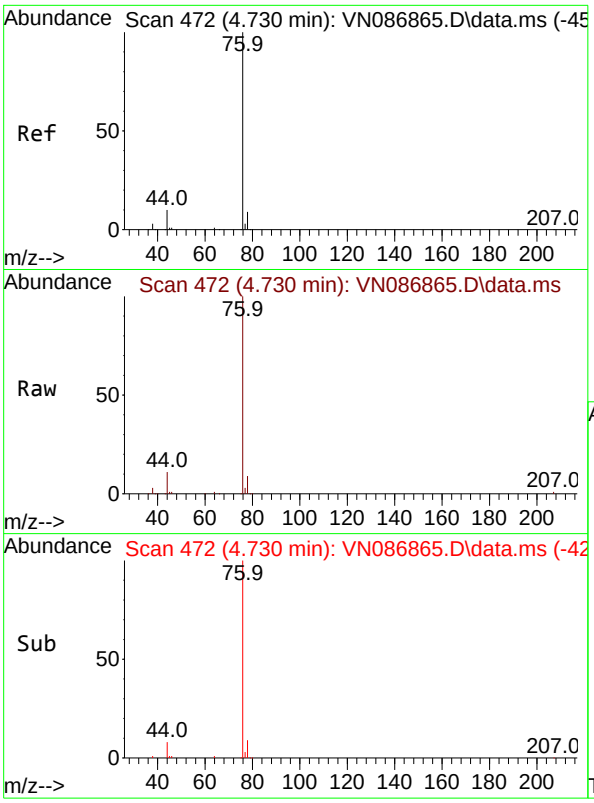


#16
Acetone
Concen: 226.765 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 43 Resp: 333857

Ion	Ratio	Lower	Upper
43	100		
58	35.0	28.0	42.0

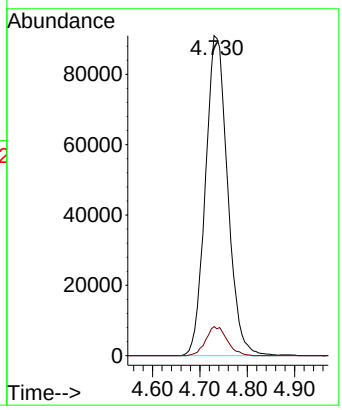




#17
Carbon Disulfide
Concen: 46.328 ug/l
RT: 4.730 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 76 Resp: 29575

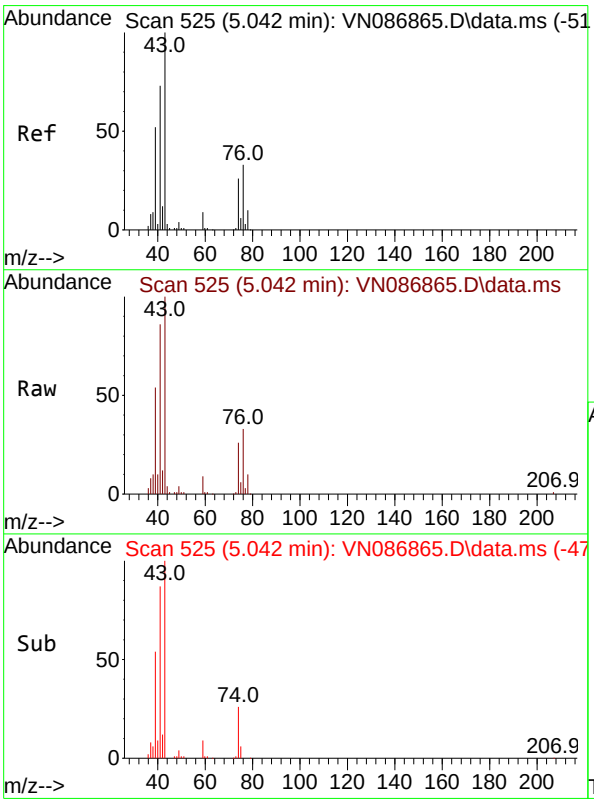
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

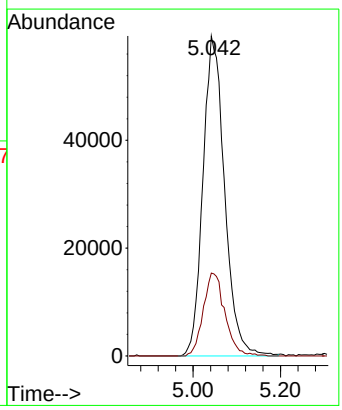
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

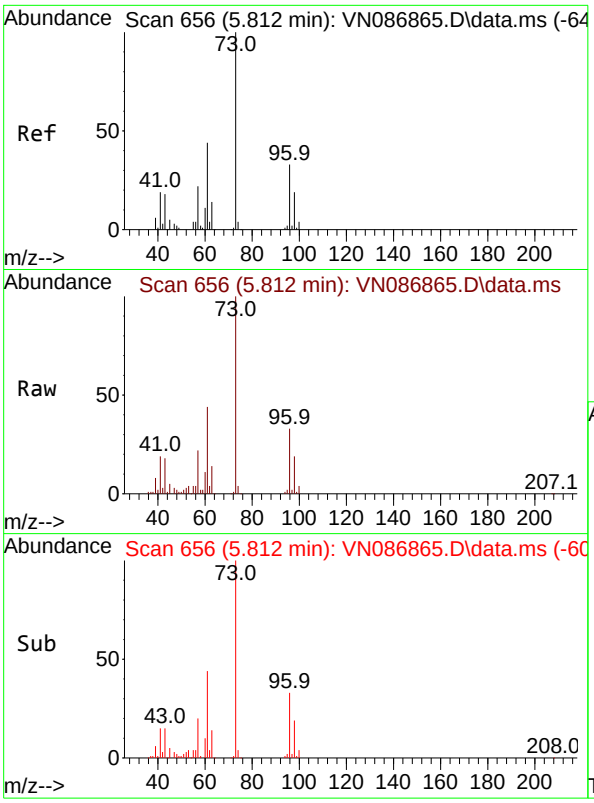


#18
Methyl Acetate
Concen: 47.673 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 43 Resp: 204538

Ion	Ratio	Lower	Upper
43	100		
74	25.9	20.7	31.1

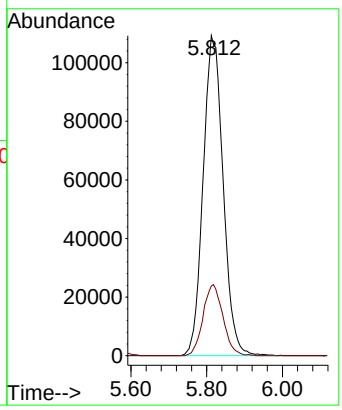




#19
Methyl tert-butyl Ether
Concen: 47.960 ug/l
RT: 5.812 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 73 Resp: 40077

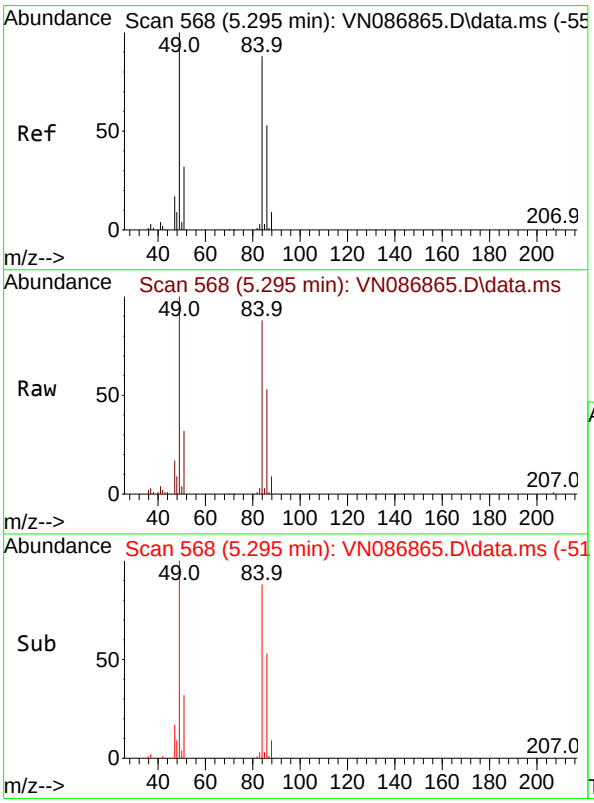
Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

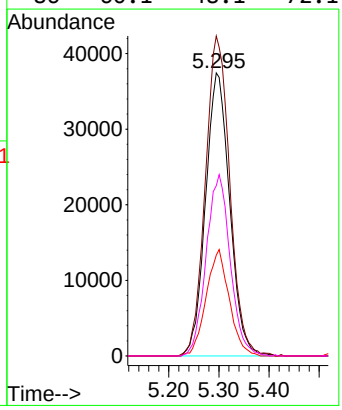
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

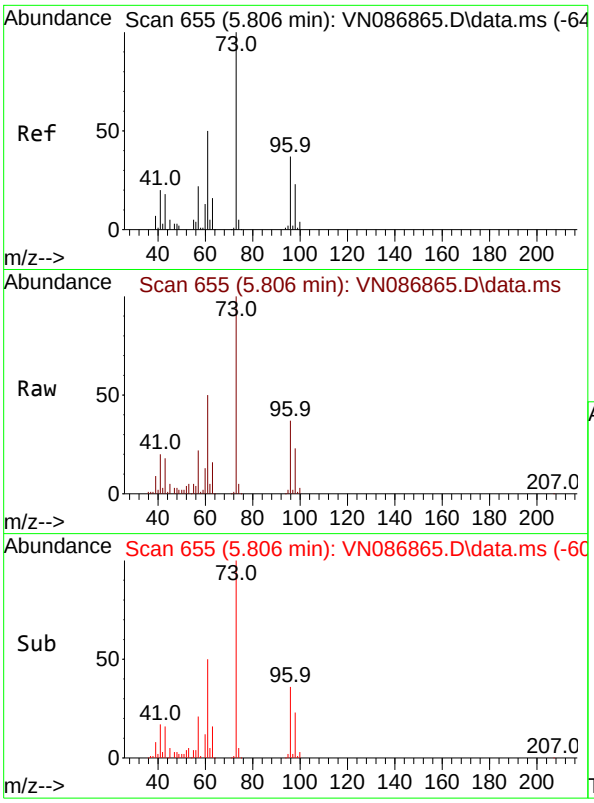


#20
Methylene Chloride
Concen: 45.531 ug/l
RT: 5.295 min Scan# 568
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 84 Resp: 125498

Ion	Ratio	Lower	Upper
84	100		
49	113.1	90.5	135.7
51	35.6	28.5	42.7
86	60.1	48.1	72.1

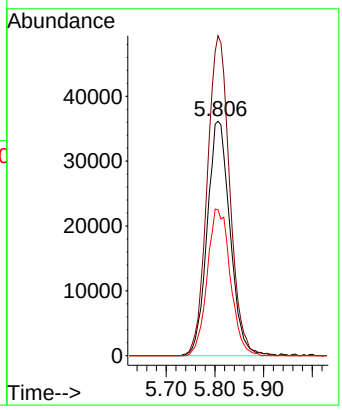




#21
trans-1,2-Dichloroethene
Concen: 45.822 ug/l
RT: 5.806 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 96 Resp: 11766

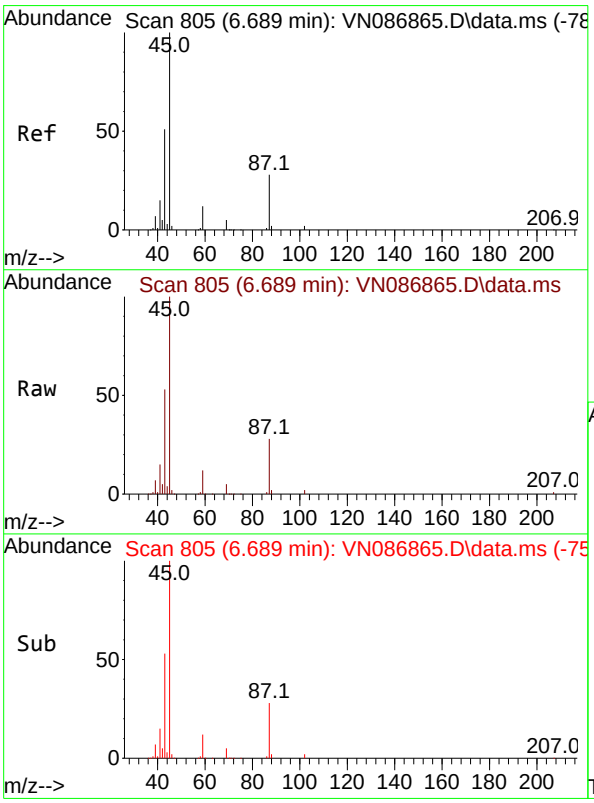
Ion	Ratio	Lower	Upper
96	100		
61	136.5	109.2	163.8
98	62.3	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

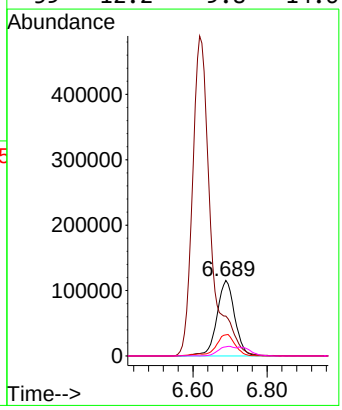
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

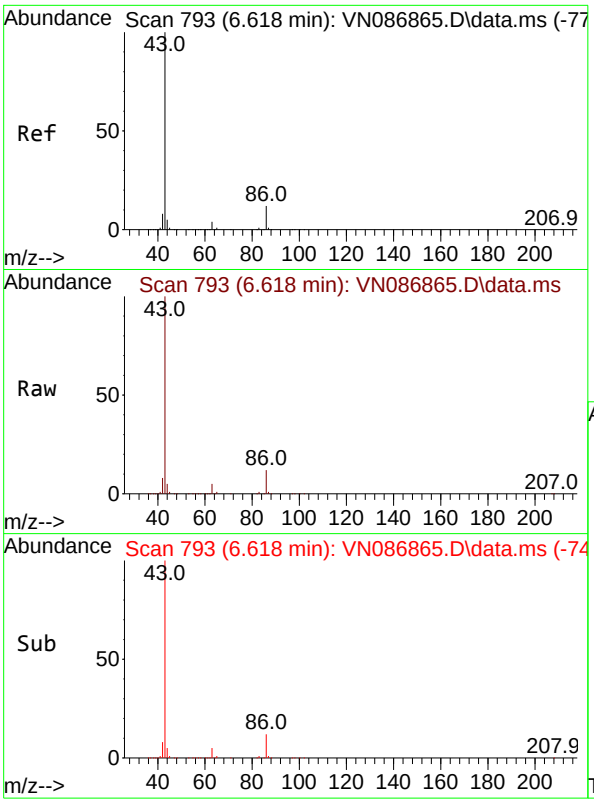


#22
Diisopropyl ether
Concen: 47.711 ug/l
RT: 6.689 min Scan# 805
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 45 Resp: 384939

Ion	Ratio	Lower	Upper
45	100		
43	52.4	41.9	62.9
87	28.0	22.4	33.6
59	12.2	9.8	14.6





#23
Vinyl Acetate
Concen: 241.910 ug/l
RT: 6.618 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

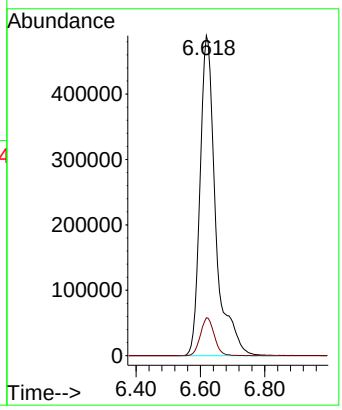
Tgt Ion: 43 Resp: 164902

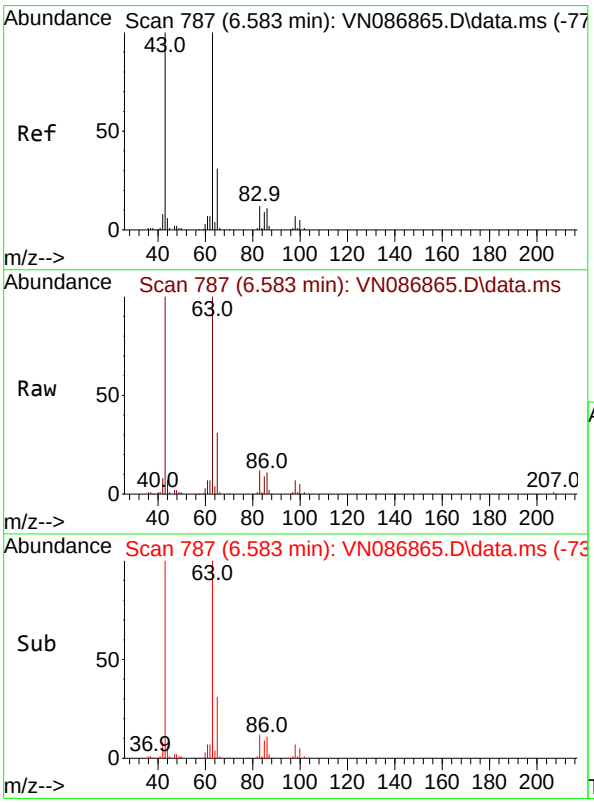
Ion	Ratio	Lower	Upper
43	100		
86	11.9	9.5	14.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

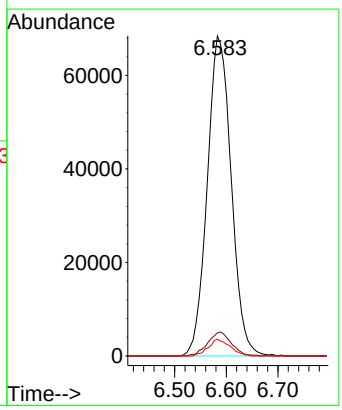


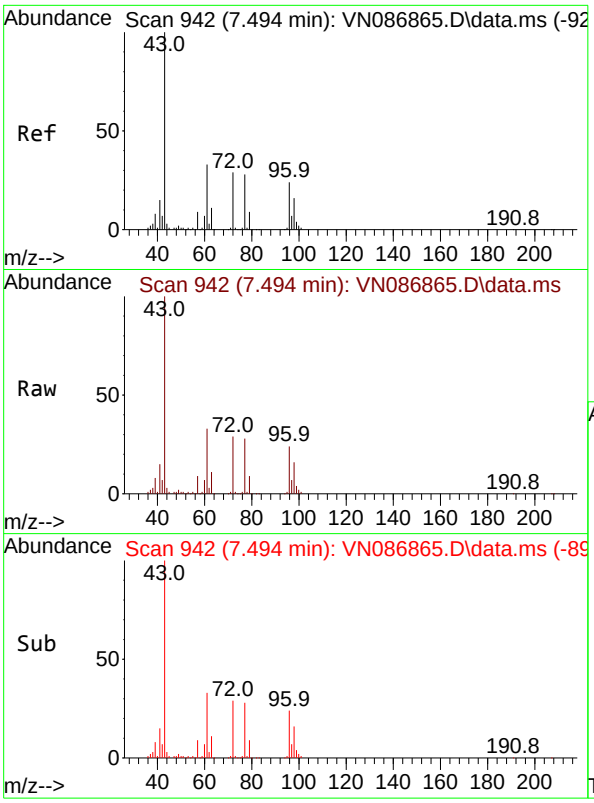


#24
1,1-Dichloroethane
Concen: 47.485 ug/l
RT: 6.583 min Scan# 787
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 63 Resp: 220477

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.6	10.8
100	5.2	2.6	7.8





#25
2-Butanone
Concen: 238.693 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

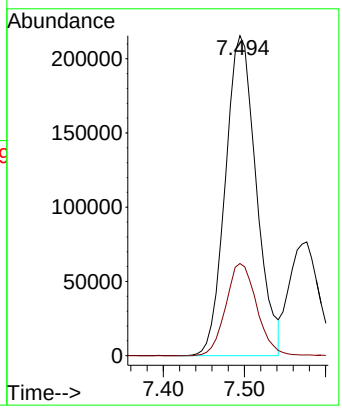
Tgt Ion: 43 Resp: 57122

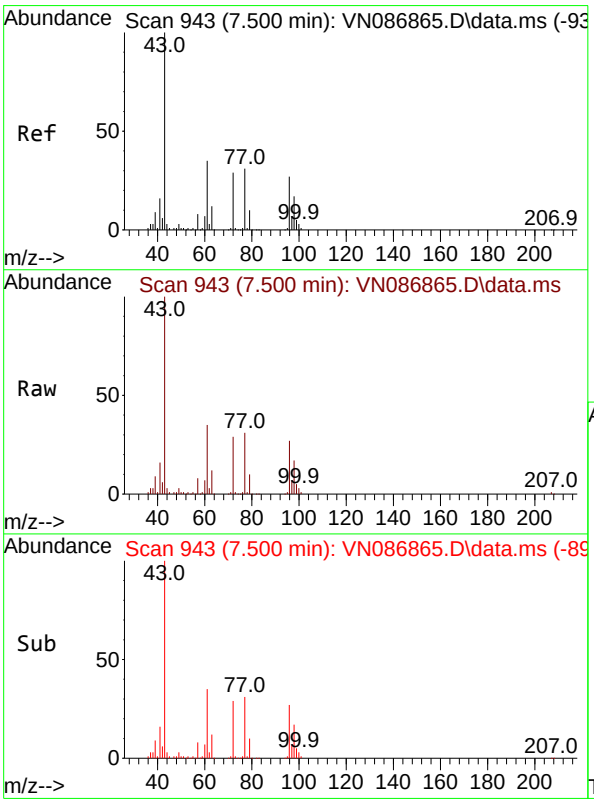
Ion	Ratio	Lower	Upper
43	100		
72	28.8	23.0	34.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

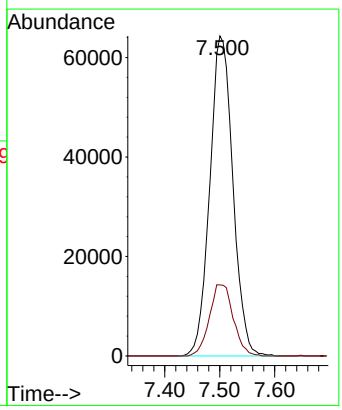


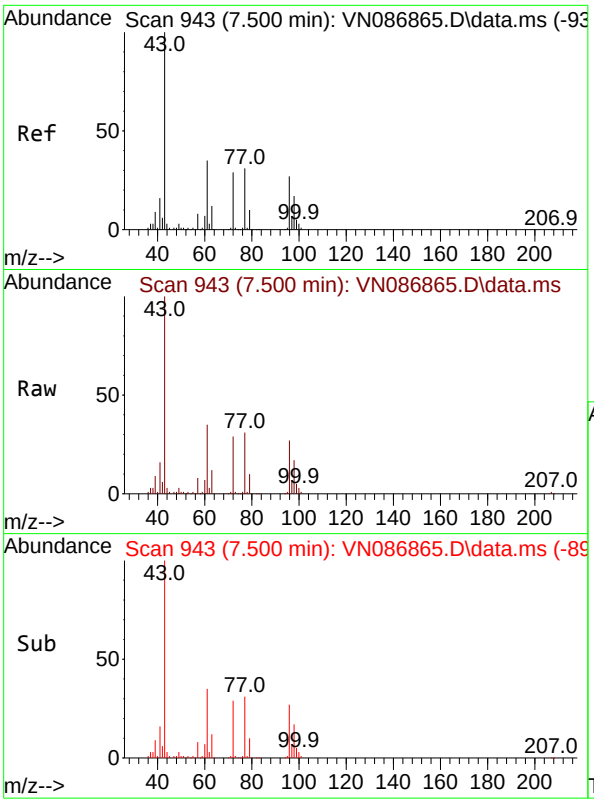


#26
2,2-Dichloropropane
Concen: 51.933 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 77 Resp: 187567

Ion	Ratio	Lower	Upper
77	100		
97	23.1	11.6	34.7

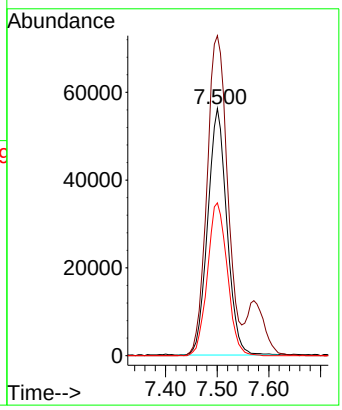




#27
cis-1,2-Dichloroethene
Concen: 47.189 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 96 Resp: 14491

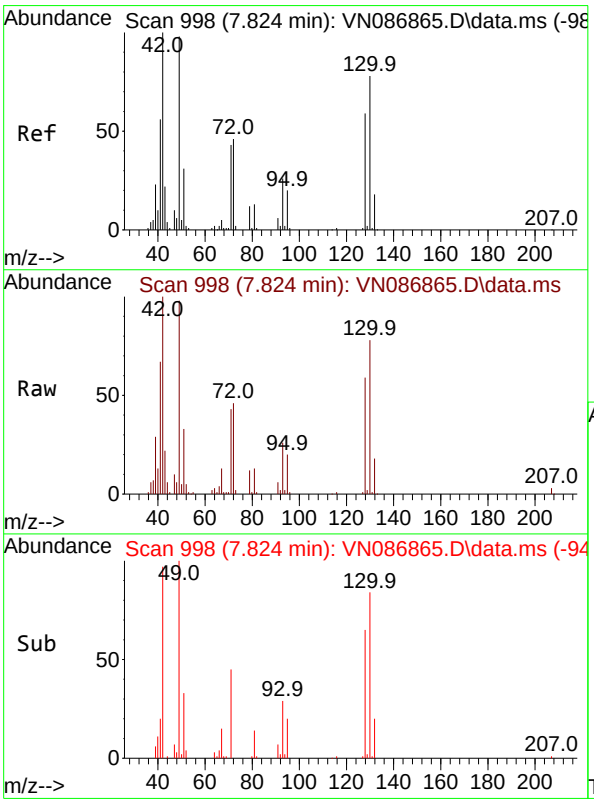
Ion	Ratio	Lower	Upper
96	100		
61	139.0	0.0	278.0
98	64.1	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

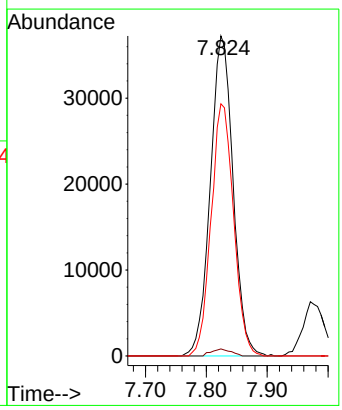
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

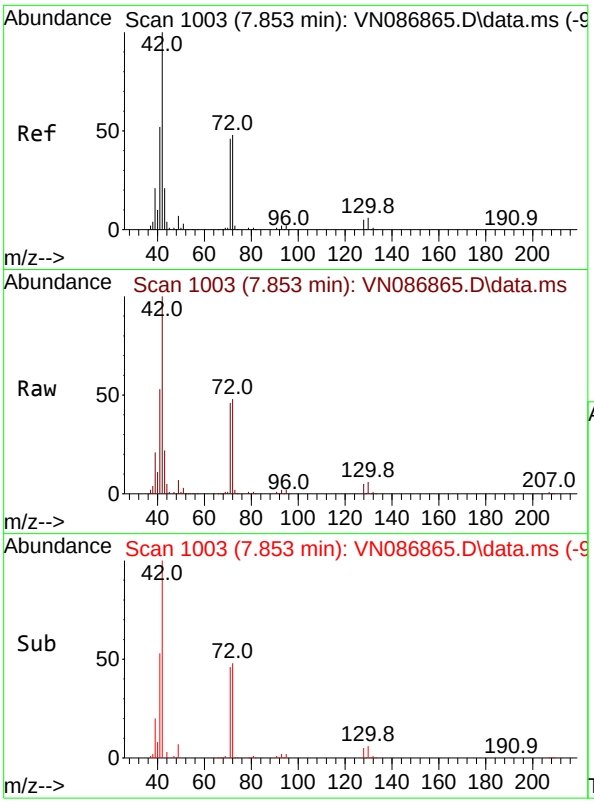


#28
Bromochloromethane
Concen: 42.362 ug/l
RT: 7.824 min Scan# 998
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 49 Resp: 96707

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	77.7	62.2	93.2

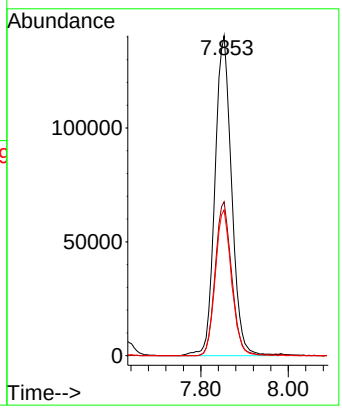




#29
Tetrahydrofuran
Concen: 238.210 ug/l
RT: 7.853 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 42 Resp: 37135

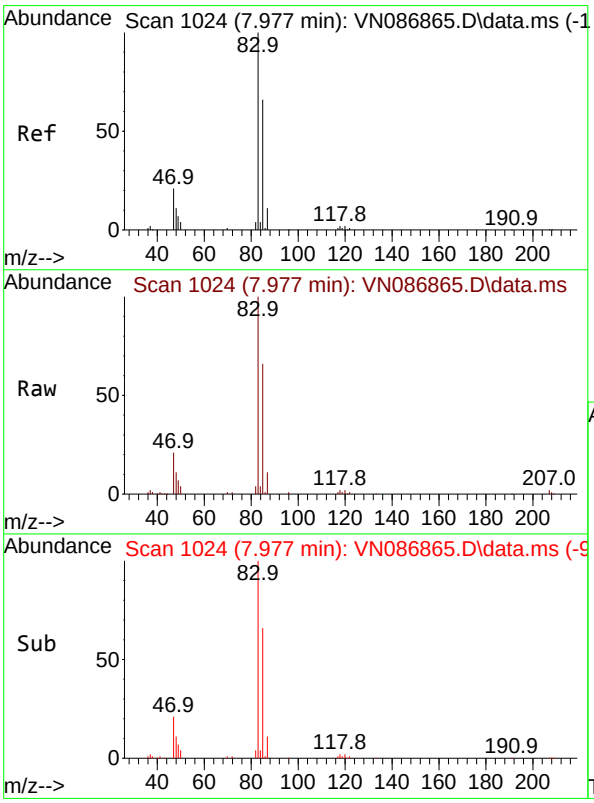
Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.8	56.6
71	44.5	35.6	53.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

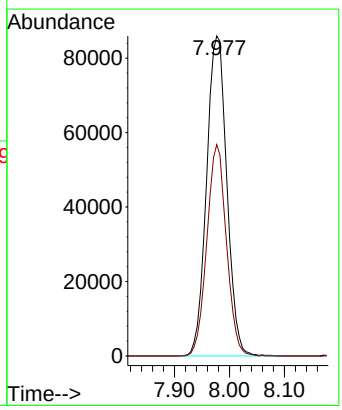
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

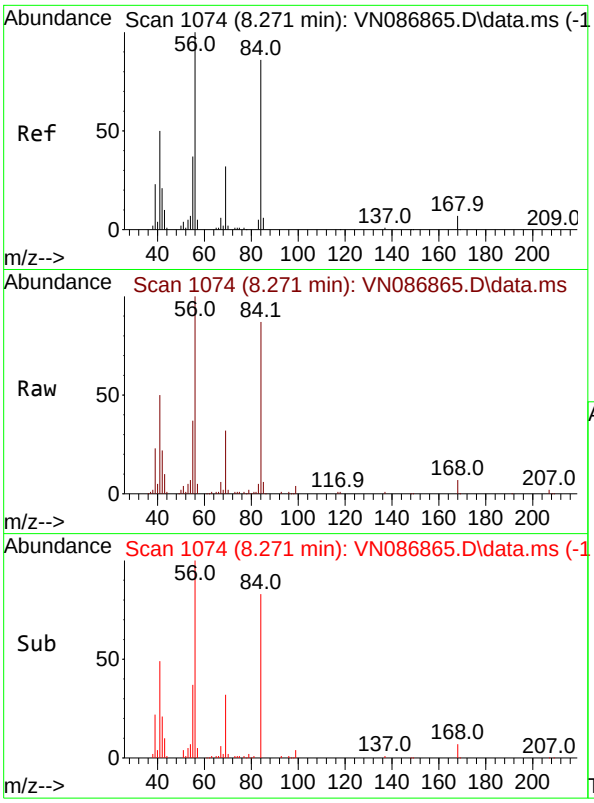


#30
Chloroform
Concen: 47.467 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 83 Resp: 220093

Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.9	79.3

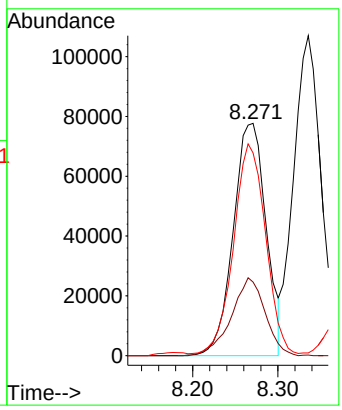




#31
Cyclohexane
Concen: 46.217 ug/l
RT: 8.271 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 56 Resp: 20810

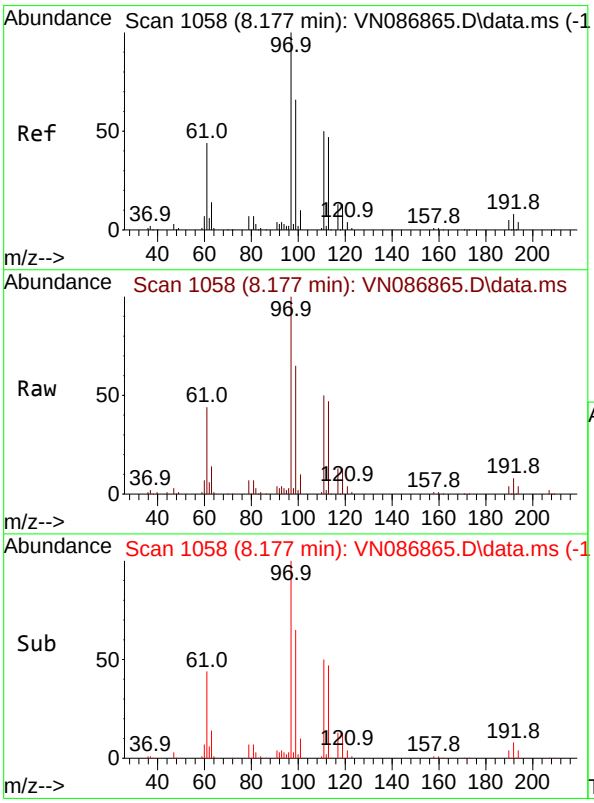
Ion	Ratio	Lower	Upper
56	100		
69	31.7	25.4	38.0
84	86.0	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

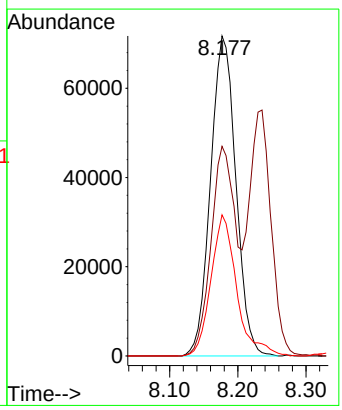
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

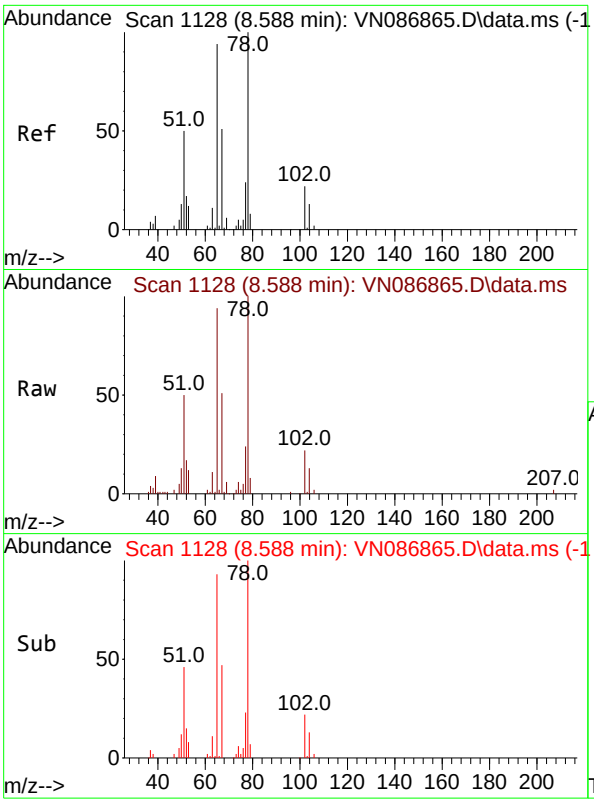


#32
1,1,1-Trichloroethane
Concen: 47.037 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 97 Resp: 185502

Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.0	78.0
61	44.9	35.9	53.9

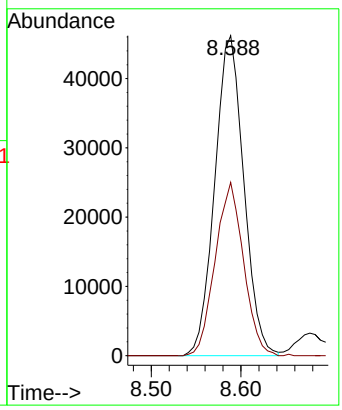




#33
1,2-Dichloroethane-d4
Concen: 37.366 ug/l
RT: 8.588 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 65 Resp: 10373

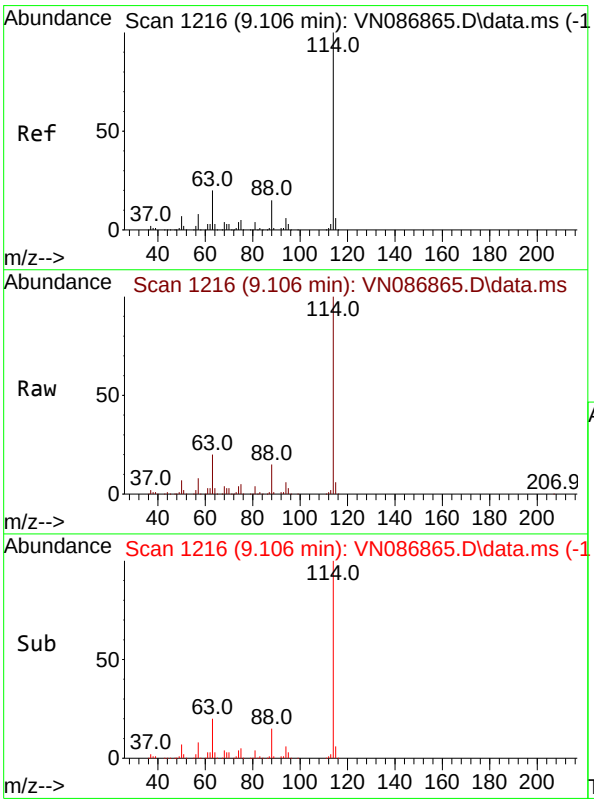
Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	105.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

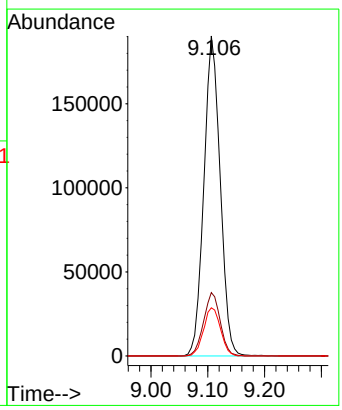
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

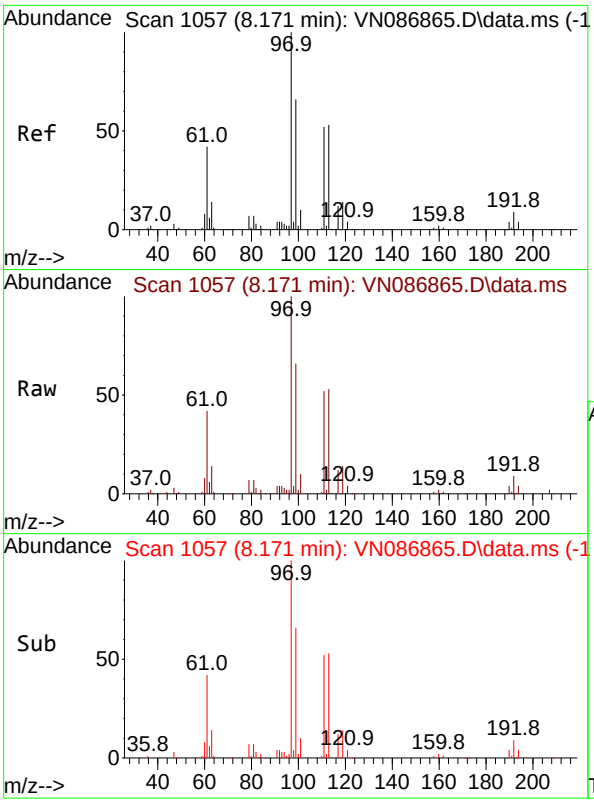


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:114 Resp: 378587

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.6
88	15.1	0.0	30.2

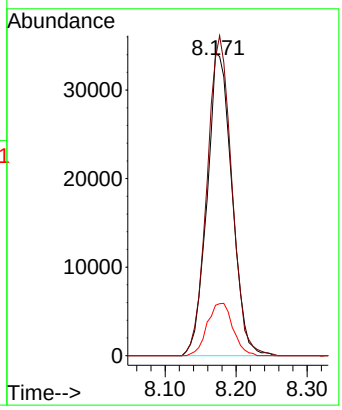




#35
Dibromofluoromethane
Concen: 37.020 ug/l
RT: 8.171 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:113 Resp: 8305

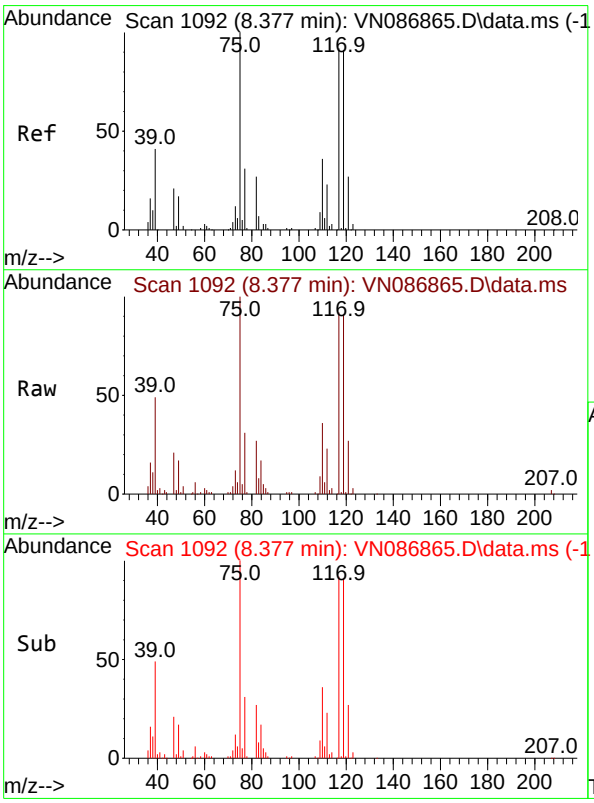
Ion	Ratio	Lower	Upper
113	100		
111	105.2	84.2	126.2
192	17.8	14.2	21.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

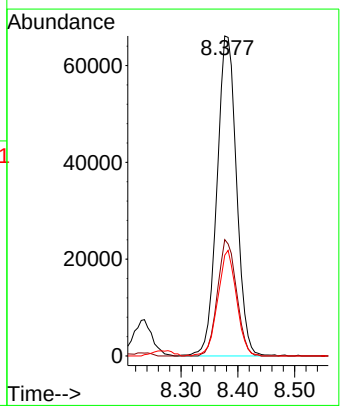
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

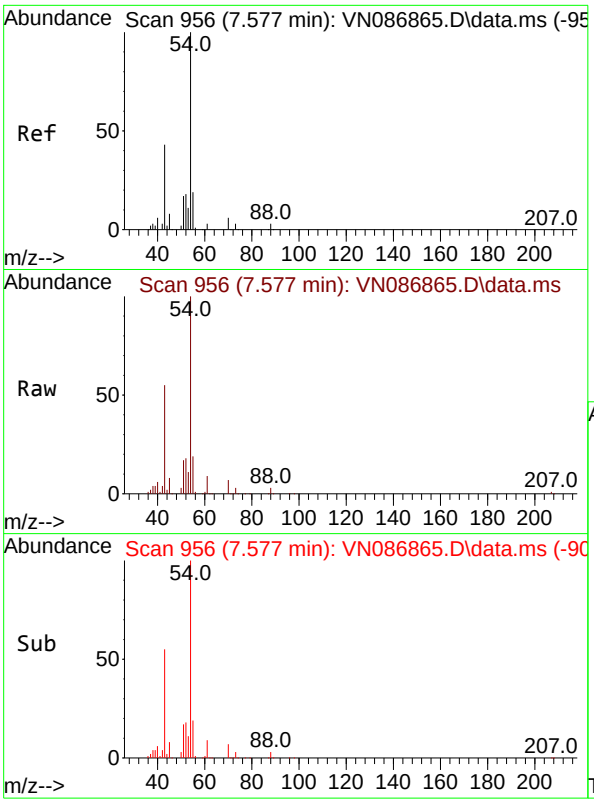


#36
1,1-Dichloropropene
Concen: 47.362 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 75 Resp: 158341

Ion	Ratio	Lower	Upper
75	100		
110	35.3	17.6	52.9
77	31.6	25.3	37.9

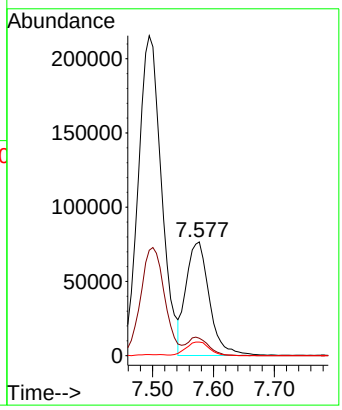




#37
Ethyl Acetate
Concen: 47.720 ug/l
RT: 7.577 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 43 Resp: 20309

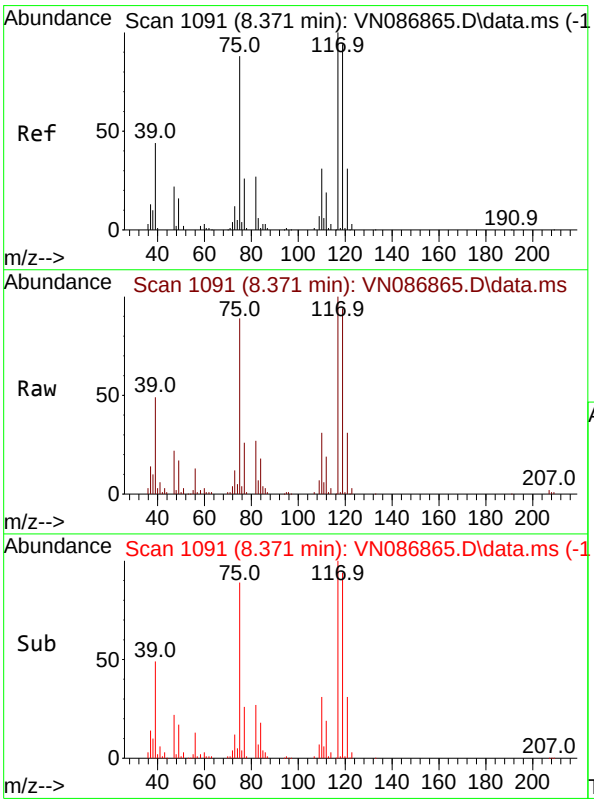
Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.1	18.1
70	12.2	9.8	14.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

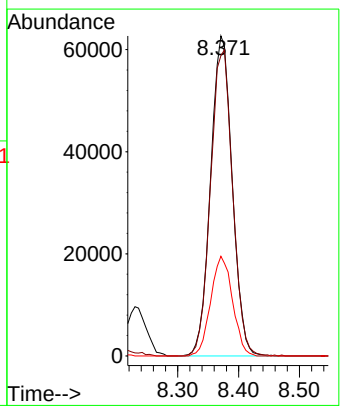
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

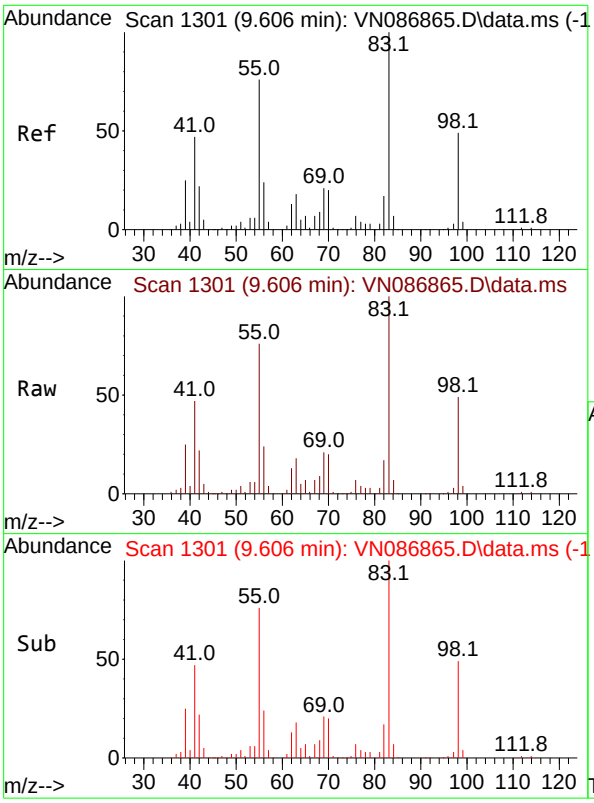


#38
Carbon Tetrachloride
Concen: 47.126 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:117 Resp: 154677

Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.0	112.6
121	31.1	24.9	37.3





#39
Methylcyclohexane
Concen: 47.126 ug/l
RT: 9.606 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

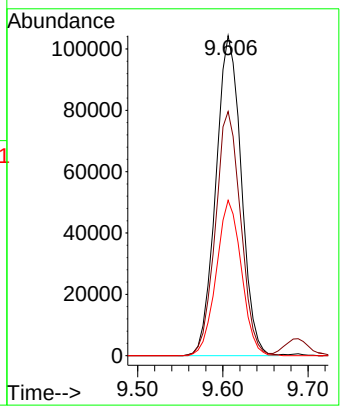
Tgt Ion: 83 Resp: 21584

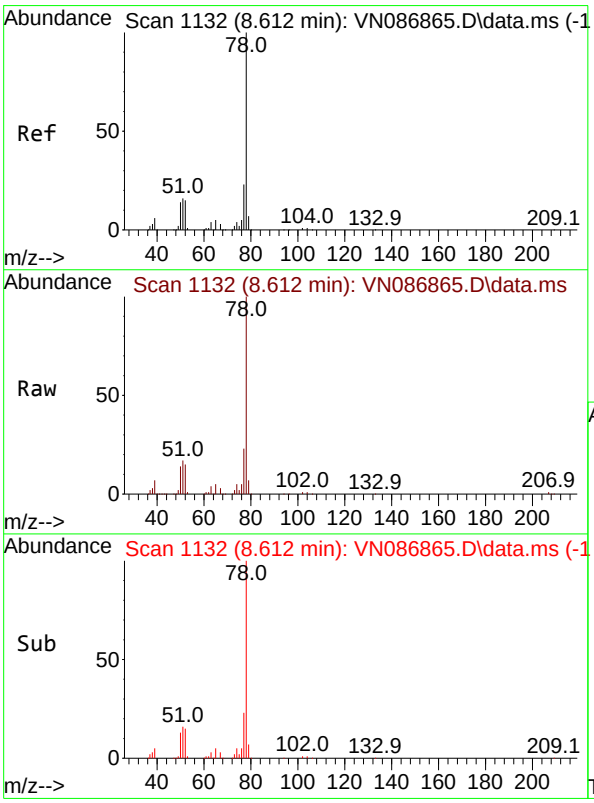
Ion	Ratio	Lower	Upper
83	100		
55	76.3	61.0	91.6
98	48.6	38.9	58.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

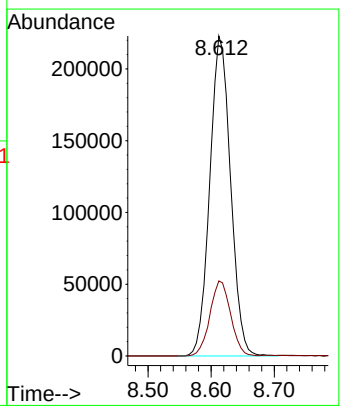


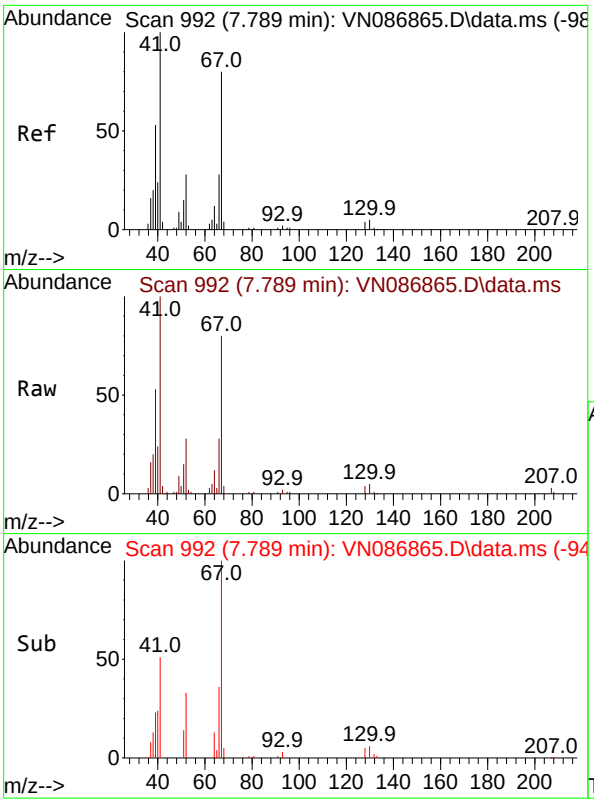


#40
Benzene
Concen: 46.590 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 78 Resp: 509334

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1

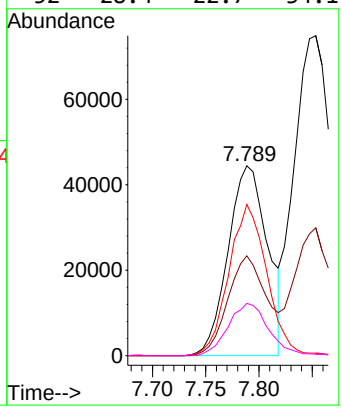




#41
Methacrylonitrile
Concen: 48.000 ug/l
RT: 7.789 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 41 Resp: 11472

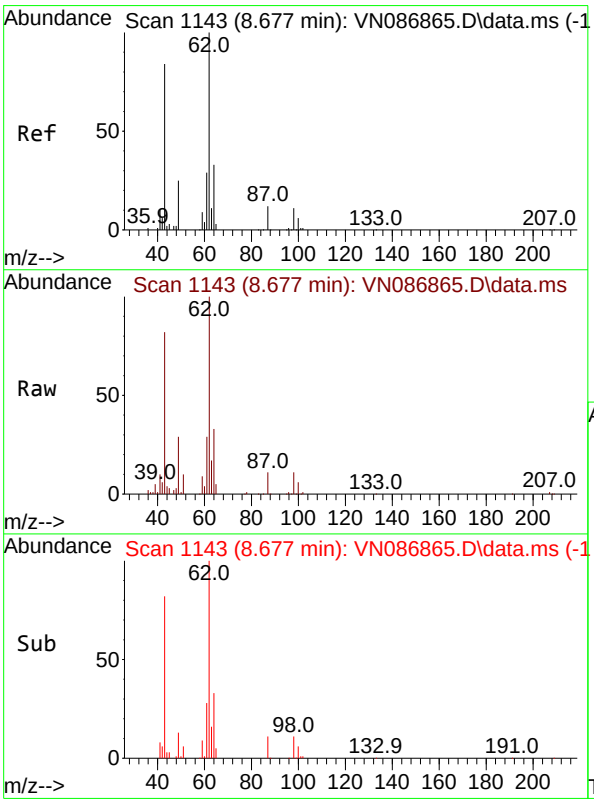
Ion	Ratio	Lower	Upper
41	100		
39	51.5	41.2	61.8
67	76.8	61.4	92.2
52	28.4	22.7	34.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

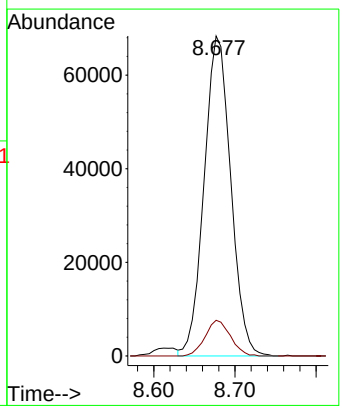
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

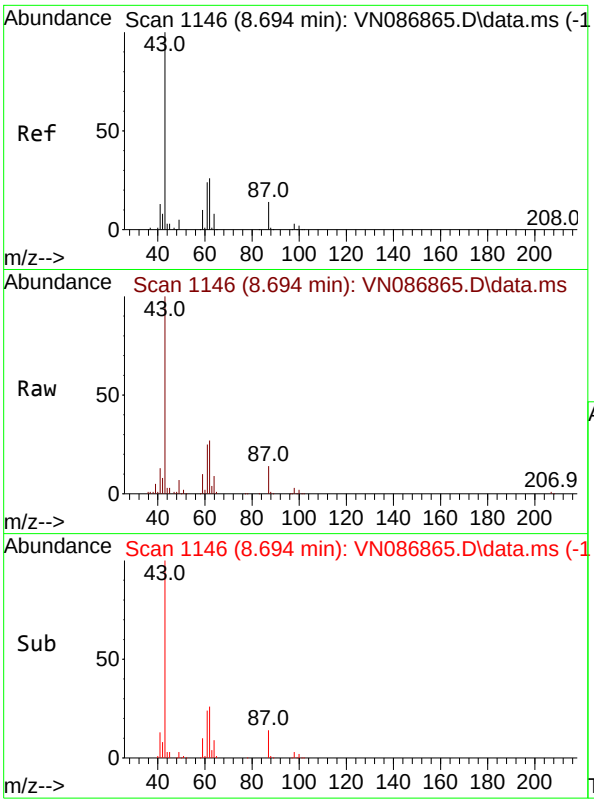


#42
1,2-Dichloroethane
Concen: 46.960 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 62 Resp: 155713

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.2





#43
Isopropyl Acetate
Concen: 47.248 ug/l
RT: 8.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

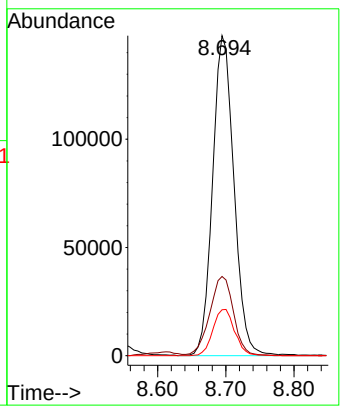
Tgt Ion: 43 Resp: 32274

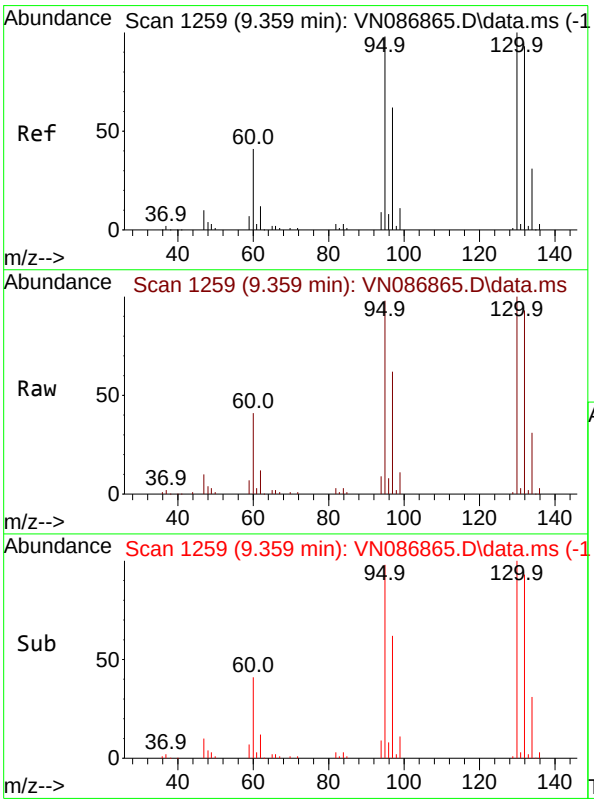
Ion	Ratio	Lower	Upper
43	100		
61	27.6	22.1	33.1
87	14.7	11.8	17.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

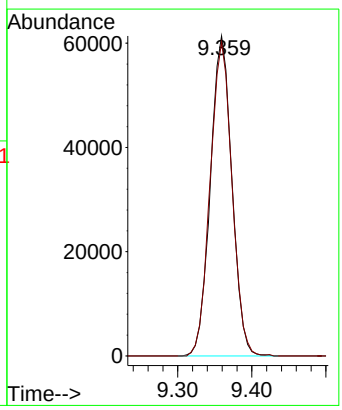


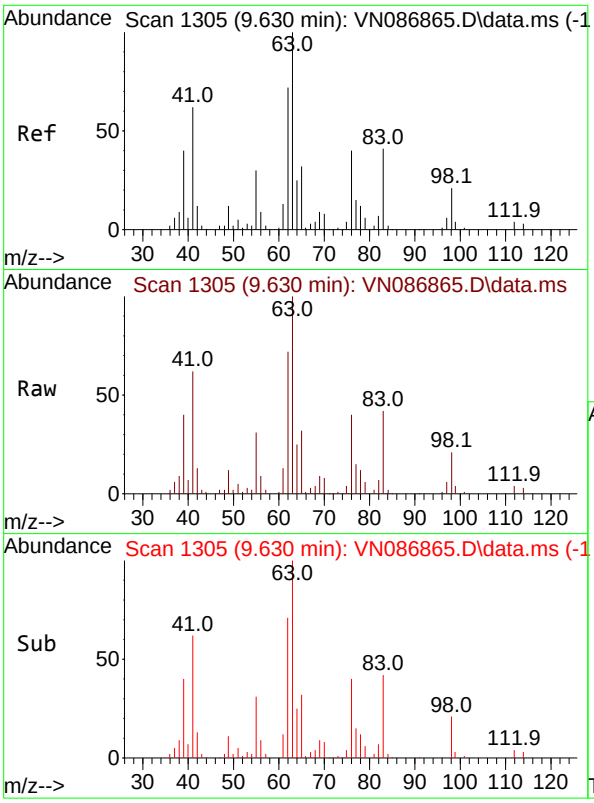


#44
Trichloroethene
Concen: 47.776 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:130 Resp: 123847

Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	196.2

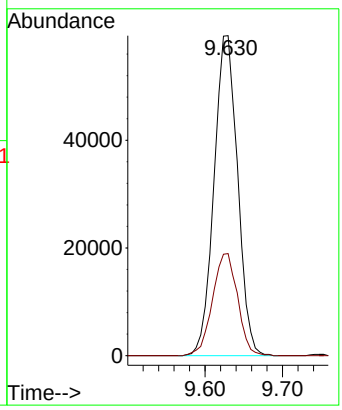




#45
1,2-Dichloropropane
Concen: 47.251 ug/l
RT: 9.630 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 63 Resp: 12567

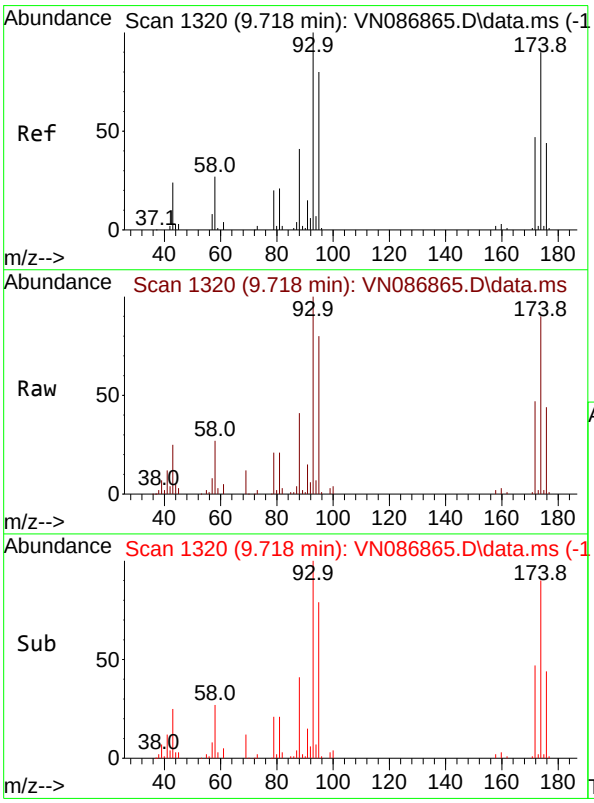
Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

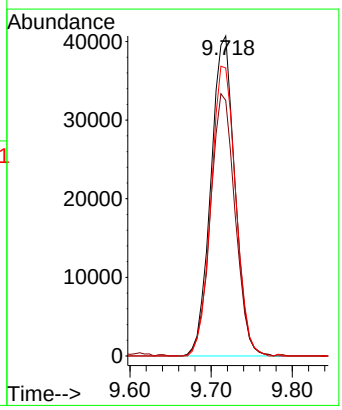
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

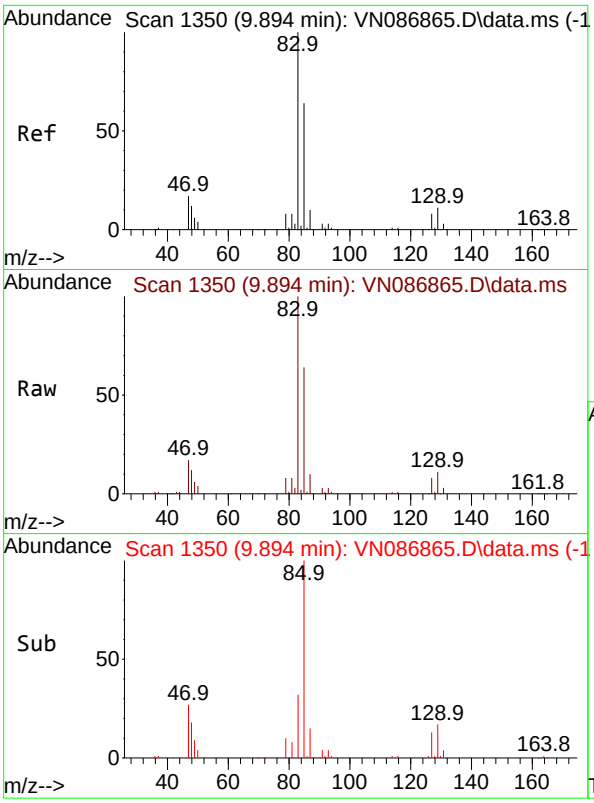


#46
Dibromomethane
Concen: 47.442 ug/l
RT: 9.718 min Scan# 1320
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 93 Resp: 83811

Ion	Ratio	Lower	Upper
93	100		
95	83.9	67.1	100.7
174	92.8	74.2	111.4

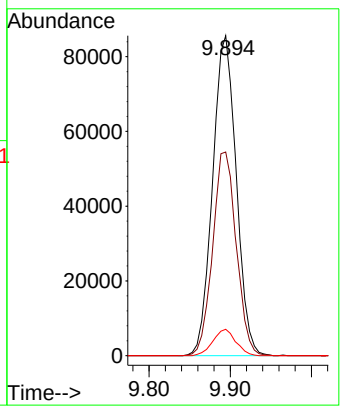




#47
Bromodichloromethane
Concen: 47.651 ug/l
RT: 9.894 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 83 Resp: 17320

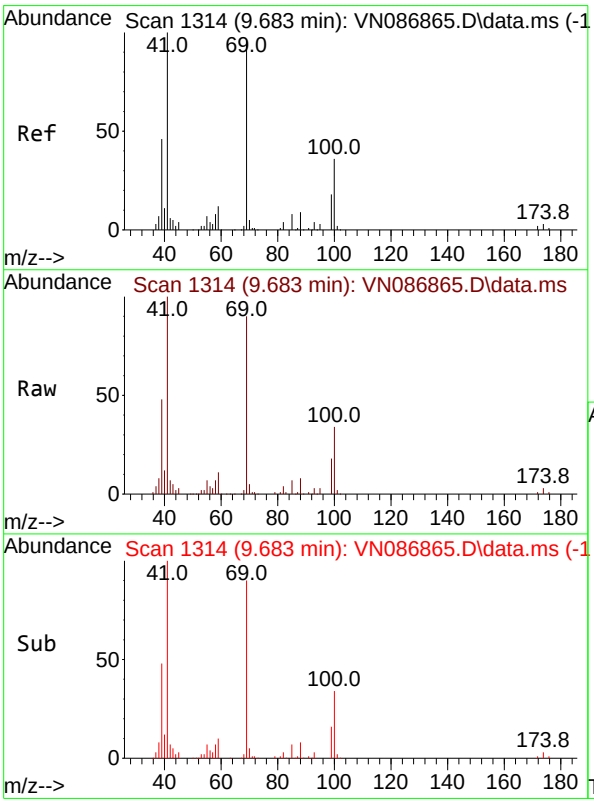
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3
127	8.3	6.6	10.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

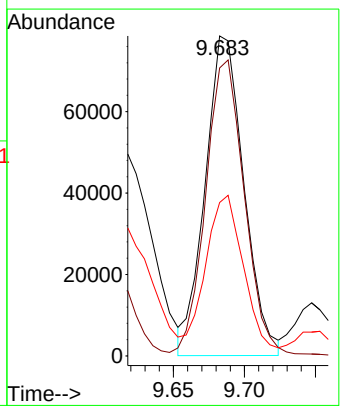
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

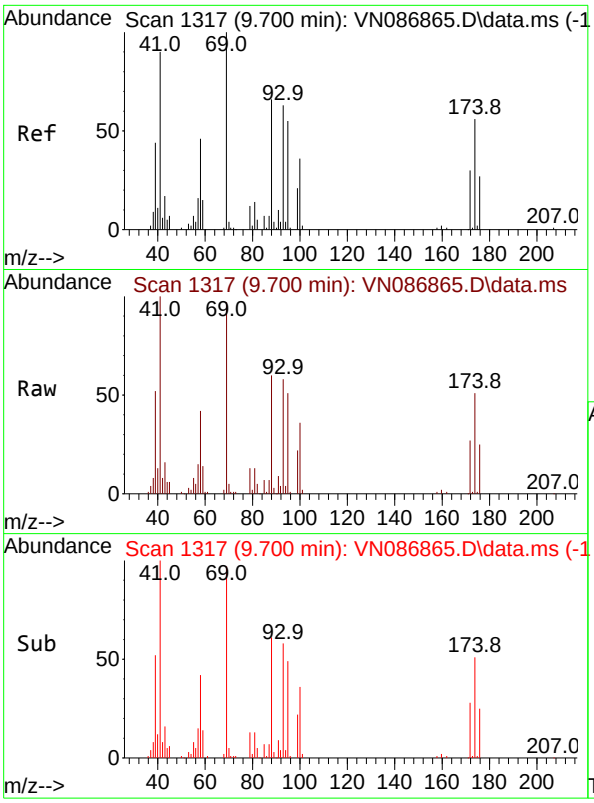


#48
Methyl methacrylate
Concen: 47.399 ug/l
RT: 9.683 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 41 Resp: 149019

Ion	Ratio	Lower	Upper
41	100		
69	93.3	74.6	112.0
39	50.3	40.2	60.4

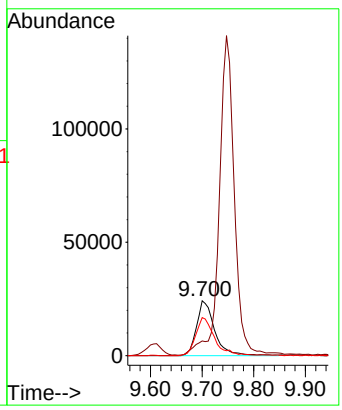




#49
1,4-Dioxane
Concen: 1032.607 ug/l
RT: 9.700 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 88 Resp: 5906

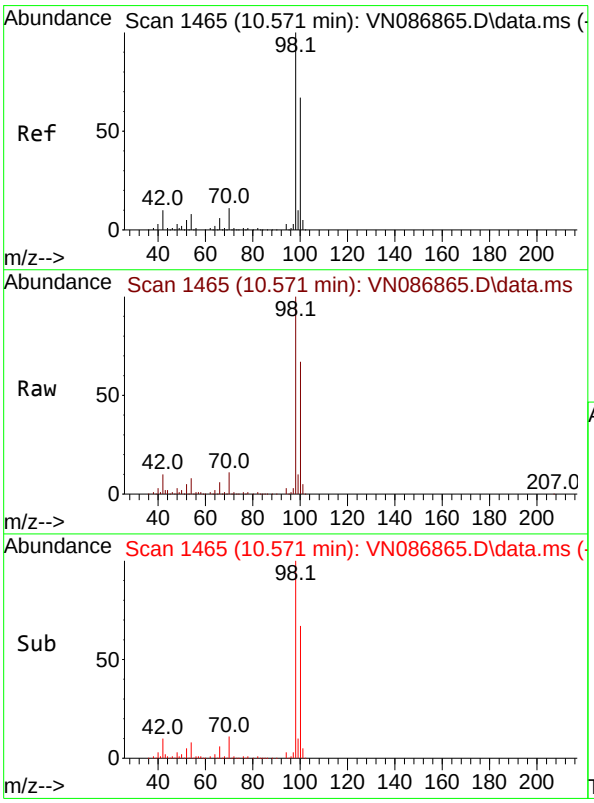
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	72.1	57.7	86.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

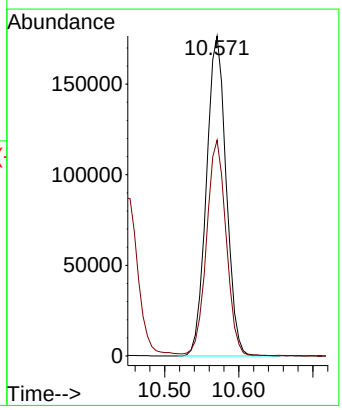
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

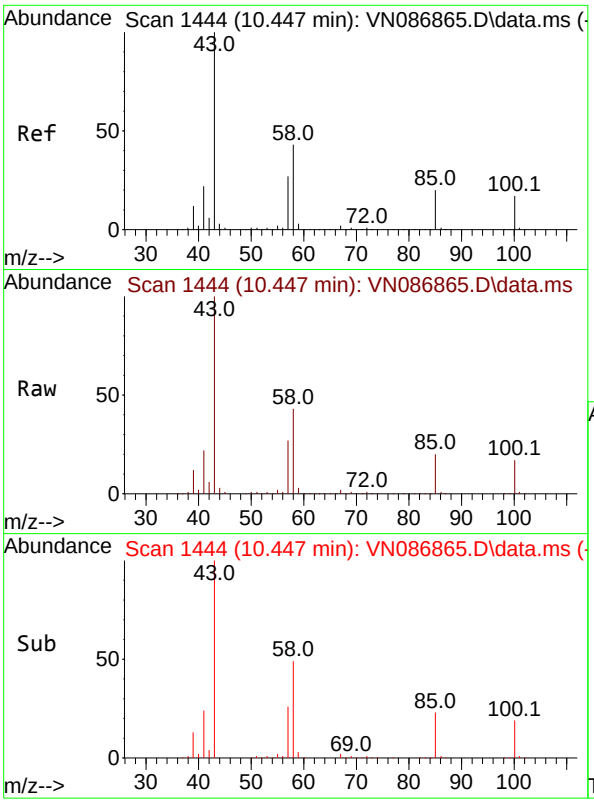


#50
Toluene-d8
Concen: 36.716 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 98 Resp: 326105

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.4	80.0





#51
4-Methyl-2-Pentanone
Concen: 247.484 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

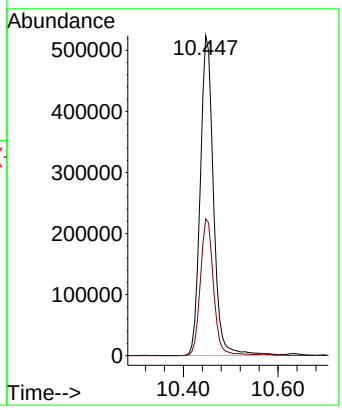
Tgt Ion: 43 Resp: 101768

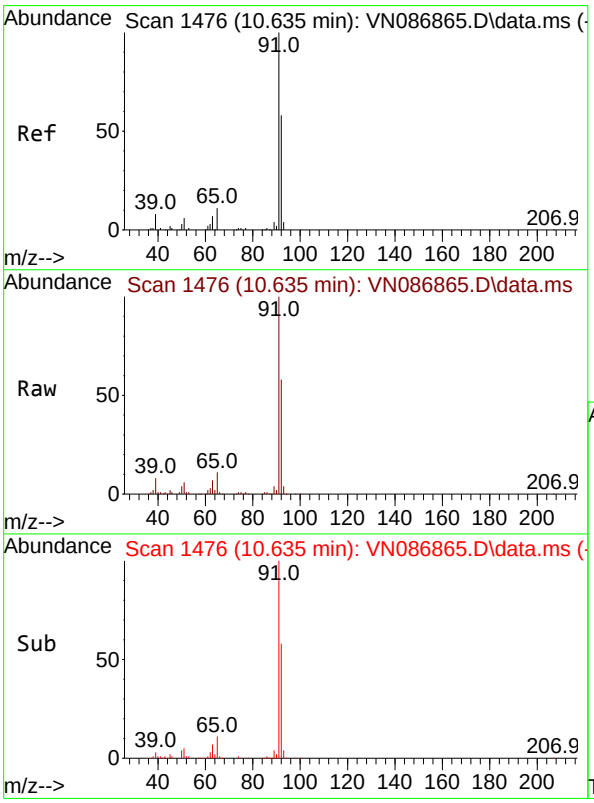
Ion	Ratio	Lower	Upper
43	100		
58	42.8	34.2	51.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

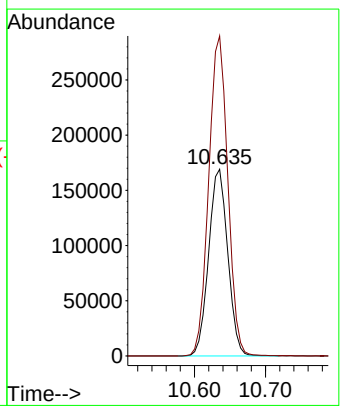


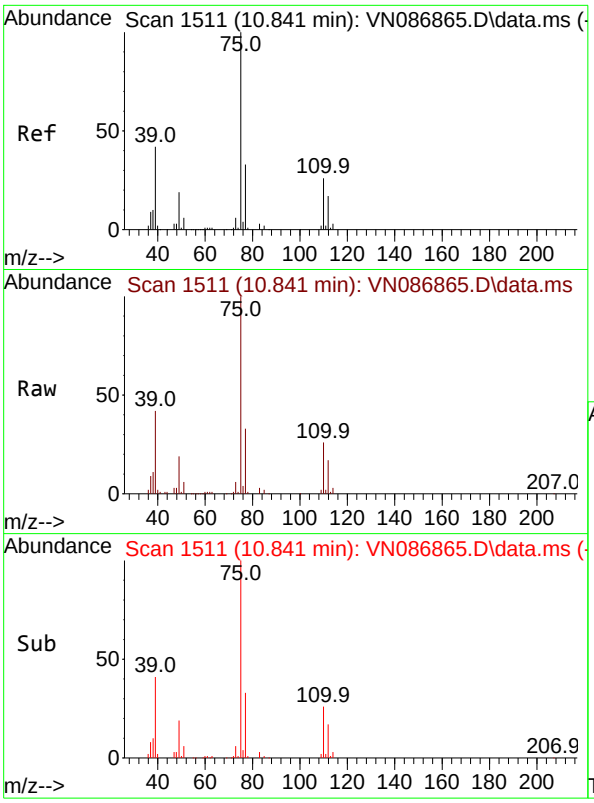


#52
Toluene
Concen: 47.331 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 92 Resp: 316219

Ion	Ratio	Lower	Upper
92	100		
91	170.6	136.5	204.7





#53
t-1,3-Dichloropropene
Concen: 48.587 ug/l
RT: 10.841 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

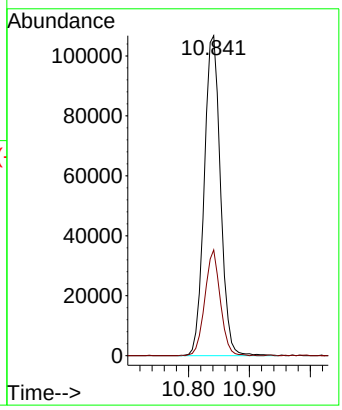
Tgt Ion: 75 Resp: 19747

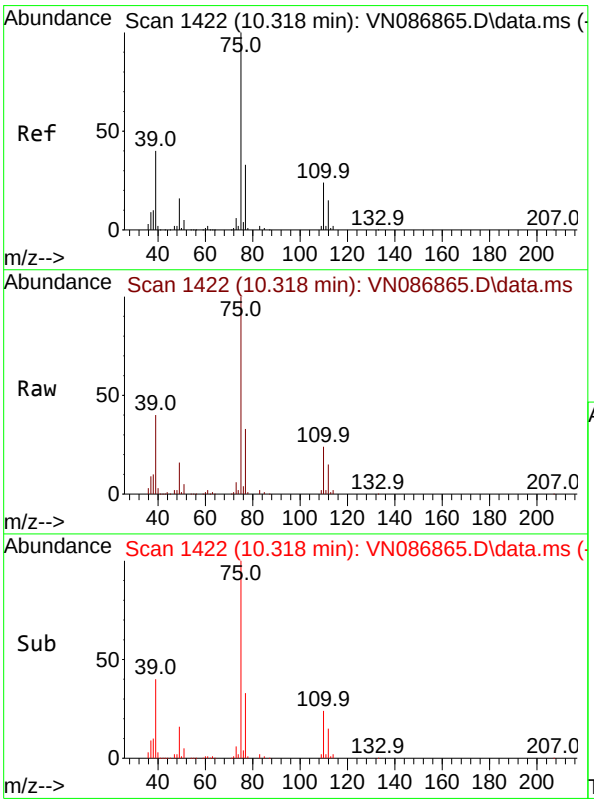
Ion	Ratio	Lower	Upper
75	100		
77	33.0	26.4	39.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

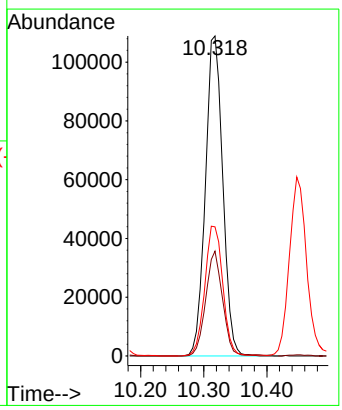


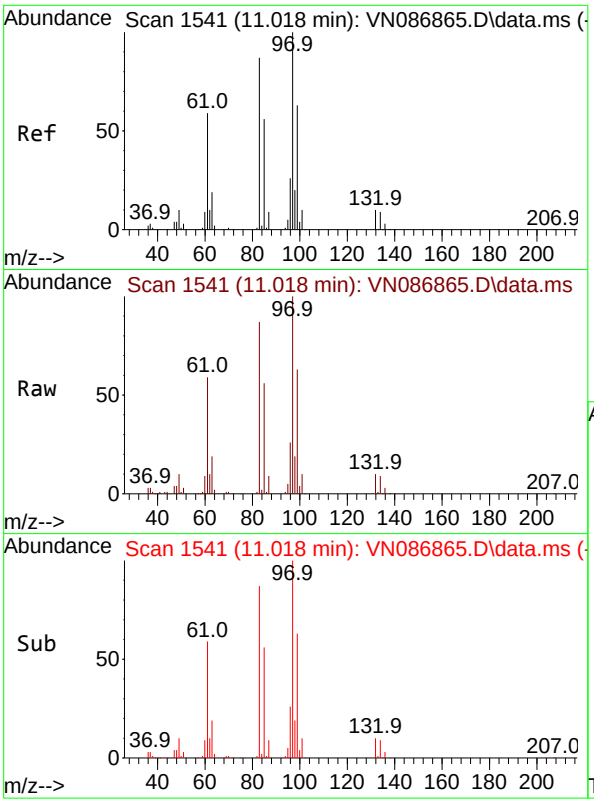


#54
cis-1,3-Dichloropropene
Concen: 47.950 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 75 Resp: 208523

Ion	Ratio	Lower	Upper
75	100		
77	32.8	26.2	39.4
39	40.4	32.3	48.5

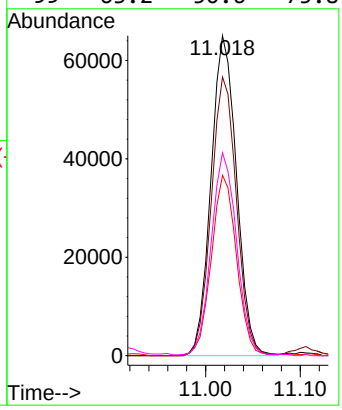




#55
1,1,2-Trichloroethane
Concen: 47.445 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 97 Resp: 12196

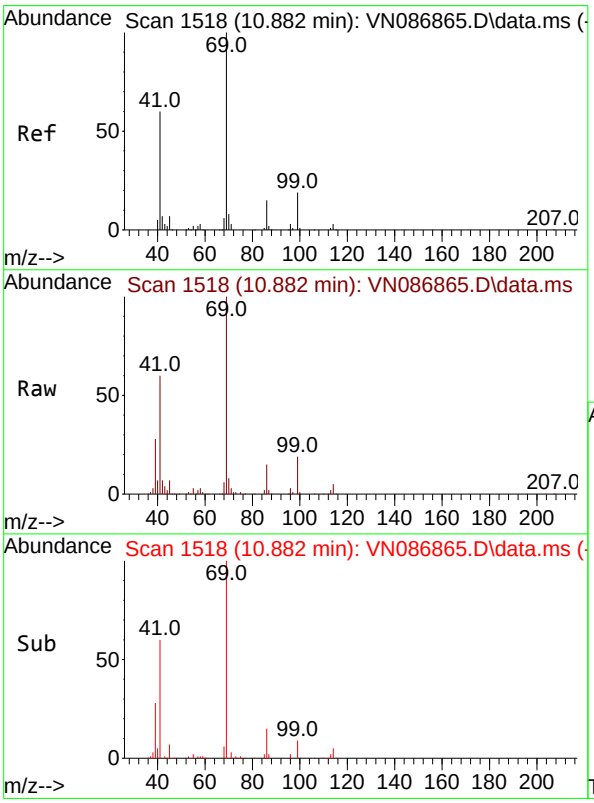
Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.7	104.5
85	56.4	45.1	67.7
99	63.2	50.6	75.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

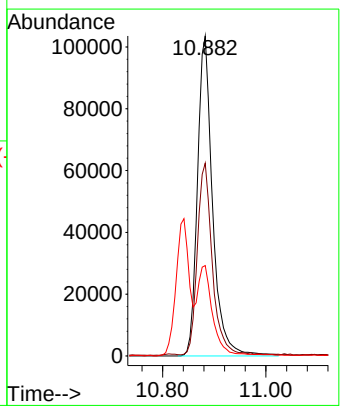
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

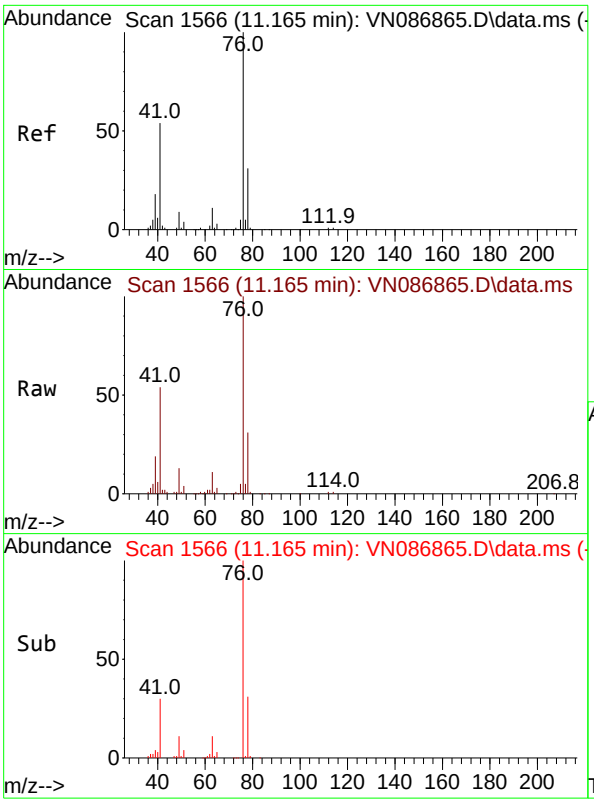


#56
Ethyl methacrylate
Concen: 51.401 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 69 Resp: 210467

Ion	Ratio	Lower	Upper
69	100		
41	59.0	47.2	70.8
39	28.8	23.0	34.6





#57
1,3-Dichloropropane
Concen: 47.593 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

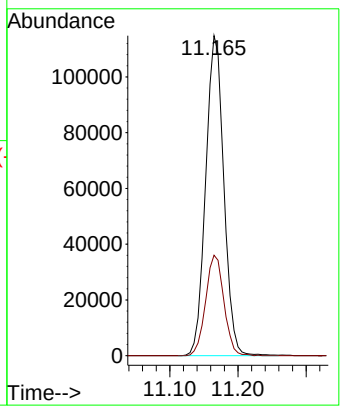
Tgt Ion: 76 Resp: 21224

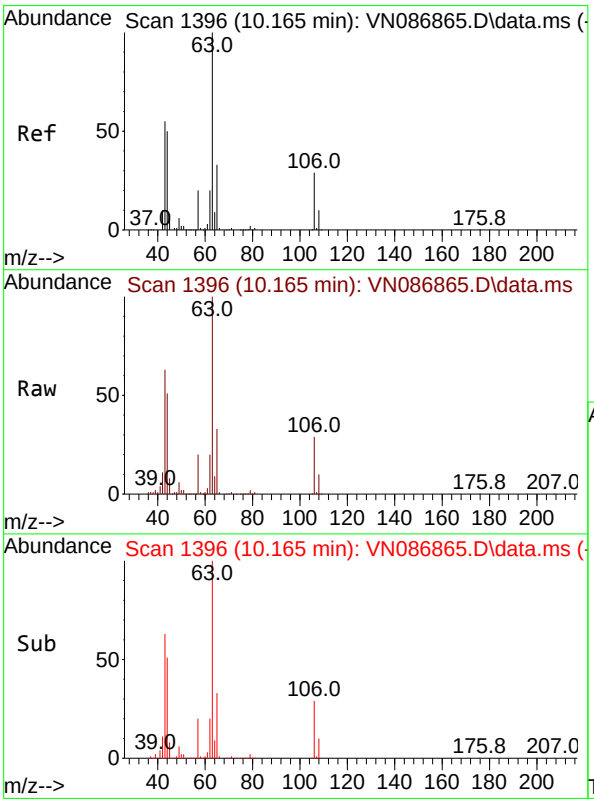
Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.3	37.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

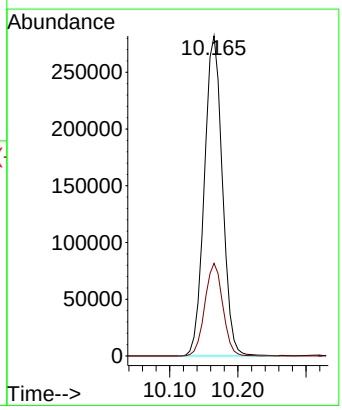


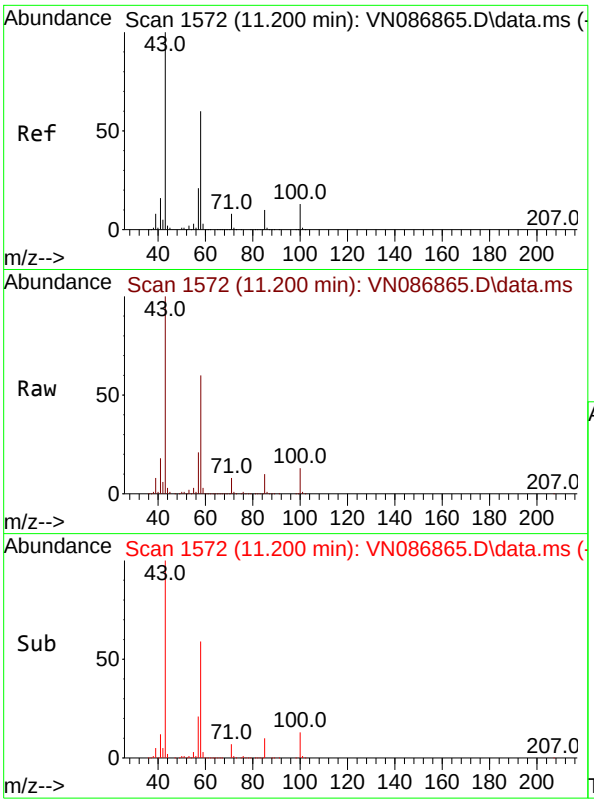


#58
2-Chloroethyl Vinyl ether
Concen: 212.570 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 63 Resp: 519139

Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.0	34.6





#59
2-Hexanone
Concen: 262.977 ug/l
RT: 11.200 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

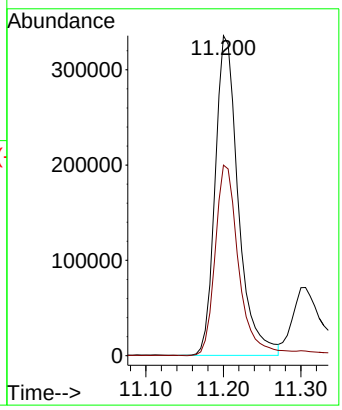
Tgt Ion: 43 Resp: 69656

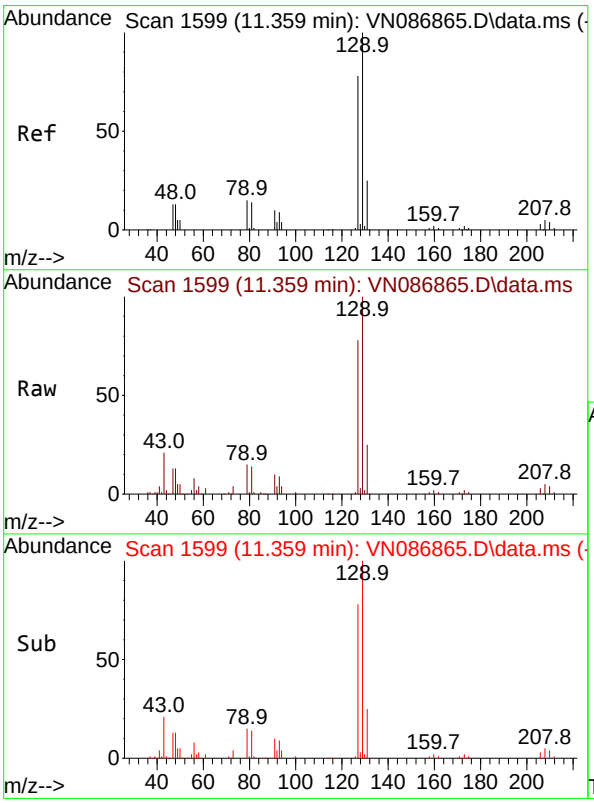
Ion	Ratio	Lower	Upper
43	100		
58	60.9	30.4	91.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

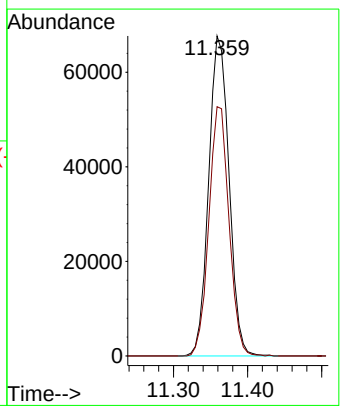


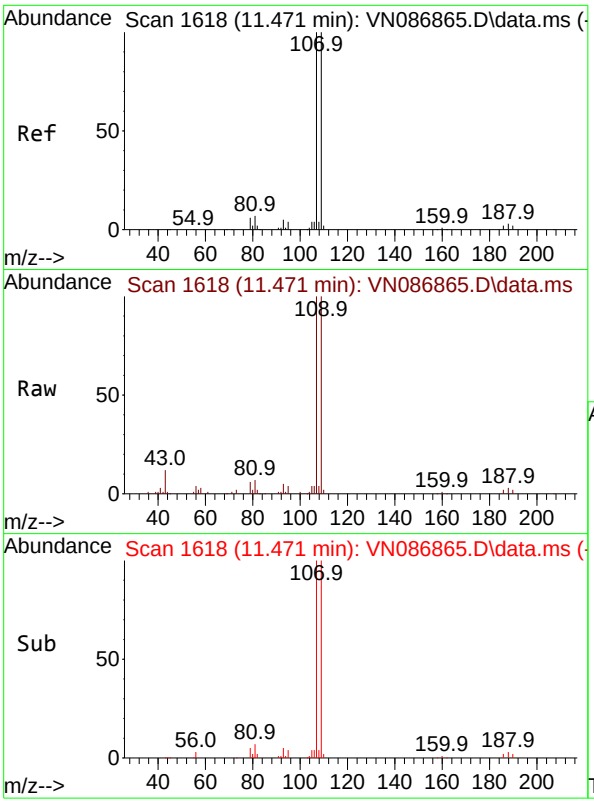


#60
Dibromochloromethane
Concen: 48.056 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:129 Resp: 128715

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.6	115.8

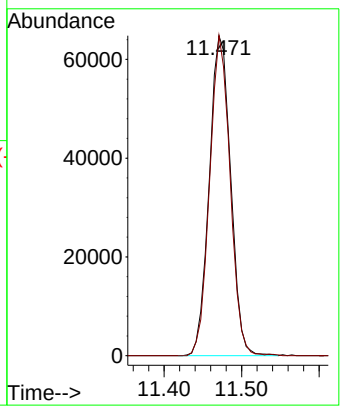




#61
1,2-Dibromoethane
Concen: 47.258 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:107 Resp: 12452

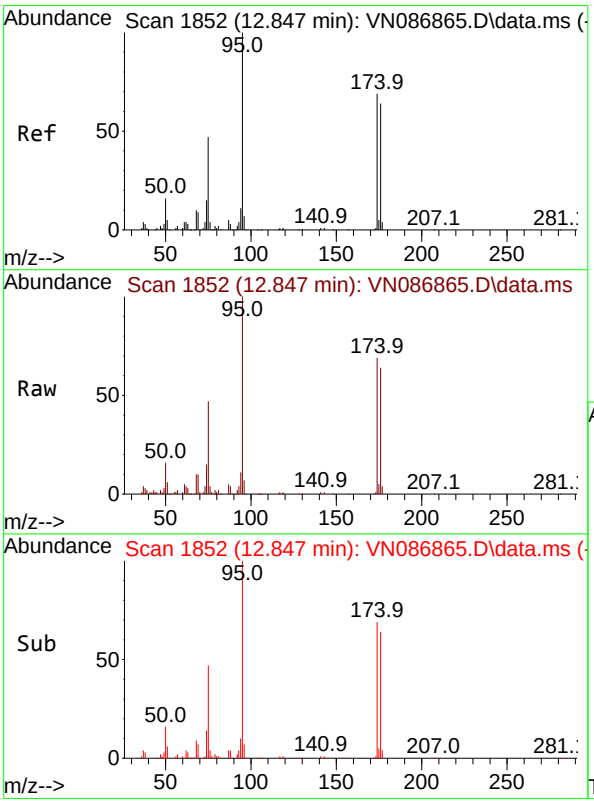
Ion	Ratio	Lower	Upper
107	100		
109	95.4	76.3	114.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

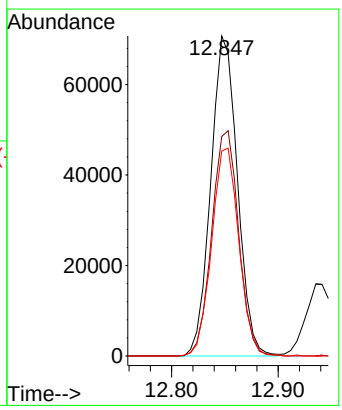
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

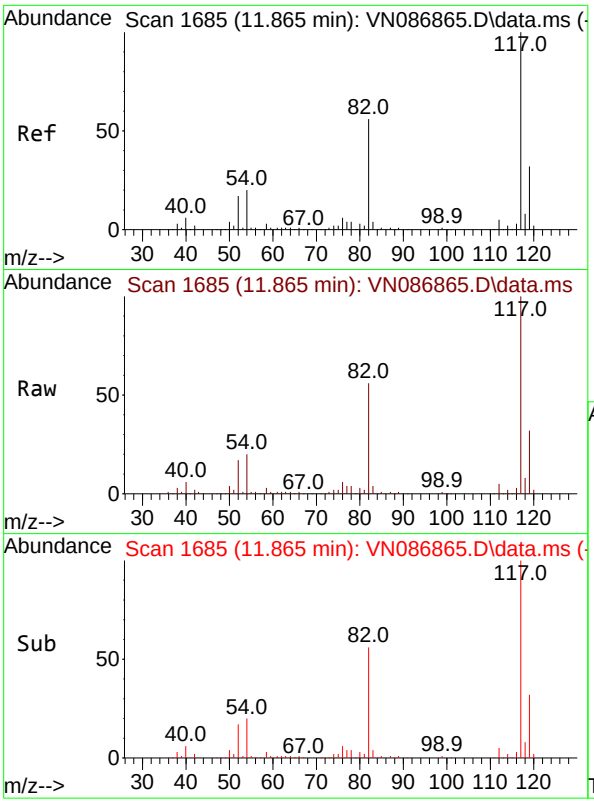


#62
4-Bromofluorobenzene
Concen: 37.264 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 95 Resp: 122965

Ion	Ratio	Lower	Upper
95	100		
174	70.9	0.0	141.8
176	66.3	0.0	132.6

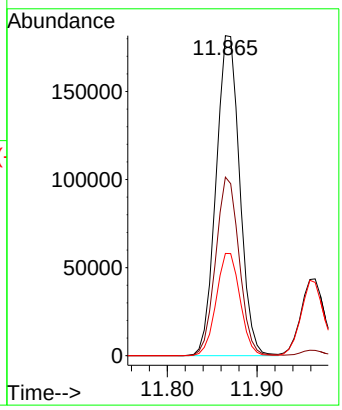




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:117 Resp: 33276

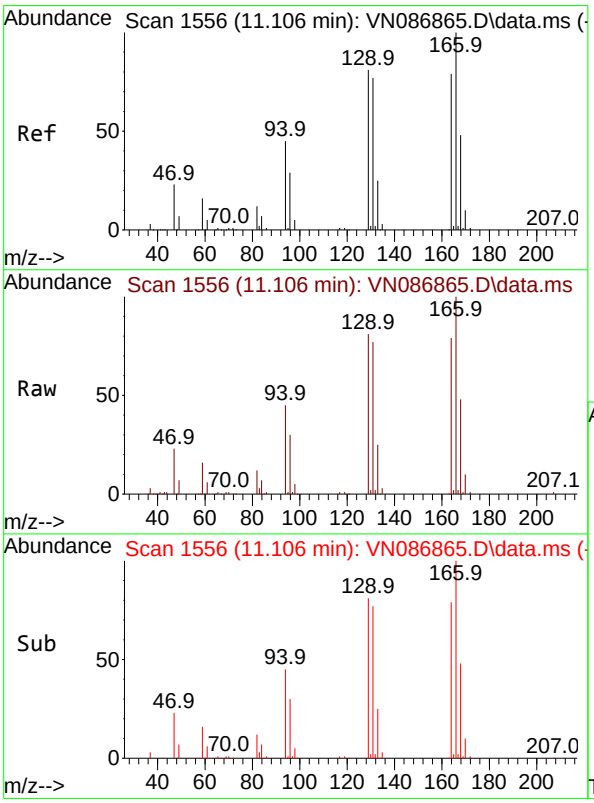
Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.6	67.0
119	31.9	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

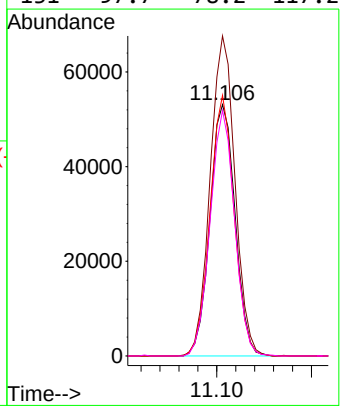
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

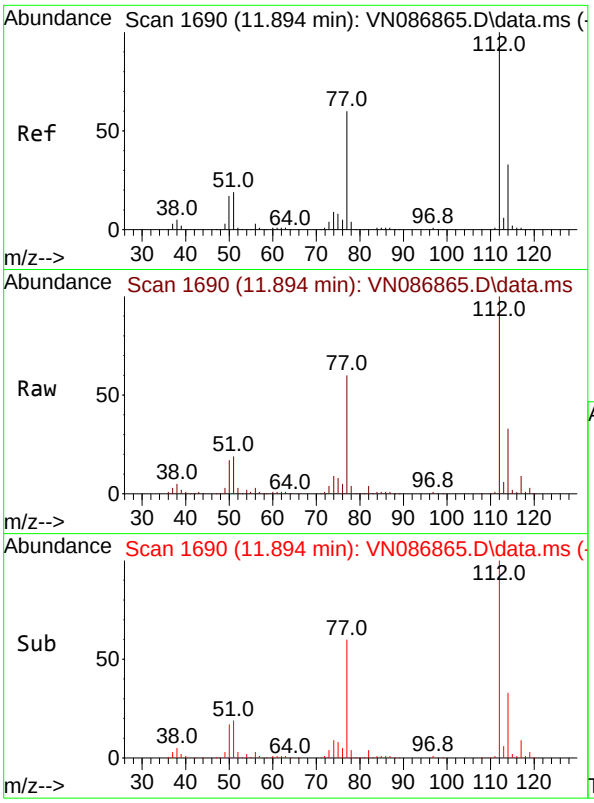


#64
Tetrachloroethene
Concen: 46.382 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:164 Resp: 97679

Ion	Ratio	Lower	Upper
164	100		
166	127.3	101.8	152.8
129	103.7	83.0	124.4
131	97.7	78.2	117.2

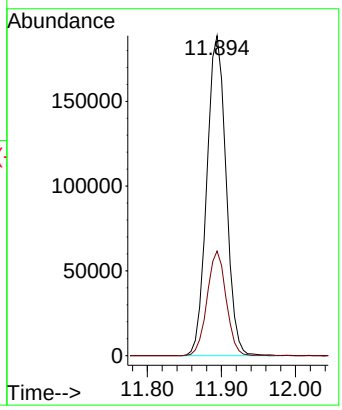




#65
Chlorobenzene
Concen: 46.386 ug/l
RT: 11.894 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:112 Resp: 34043

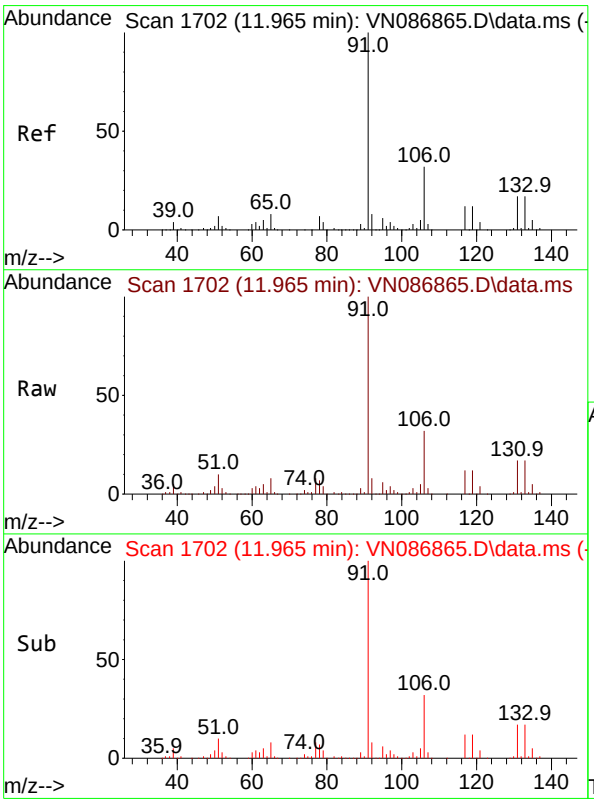
Ion	Ratio	Lower	Upper
112	100		
114	32.7	26.2	39.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

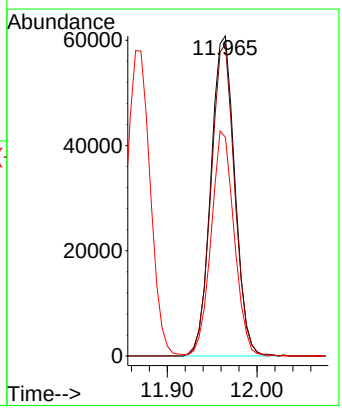
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

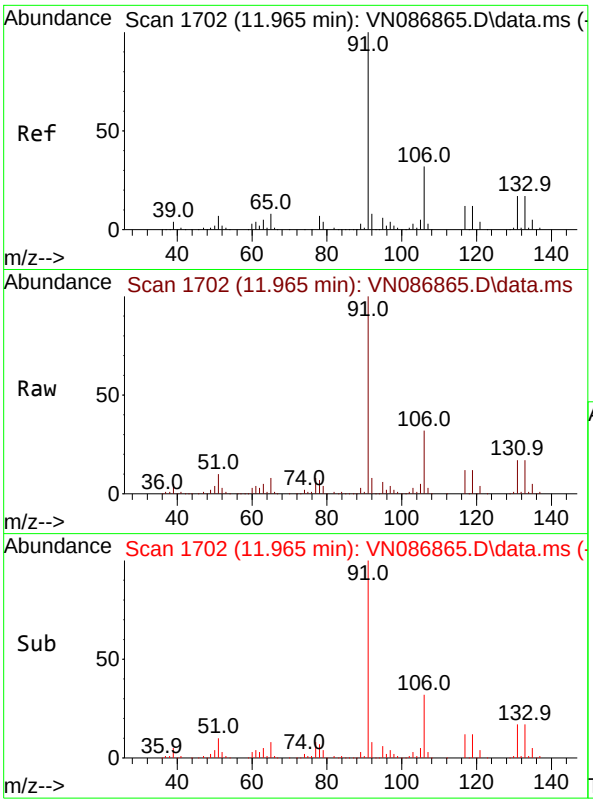


#66
1,1,1,2-Tetrachloroethane
Concen: 47.615 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:131 Resp: 112333

Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.3	144.8
119	67.9	34.0	101.8





#67
Ethyl Benzene
Concen: 47.271 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

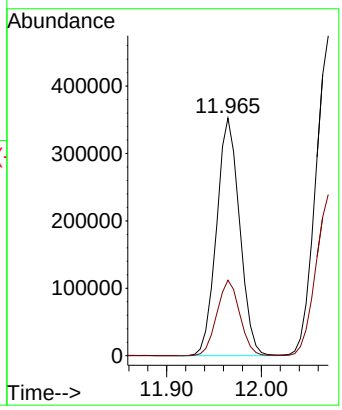
Tgt Ion: 91 Resp: 59759

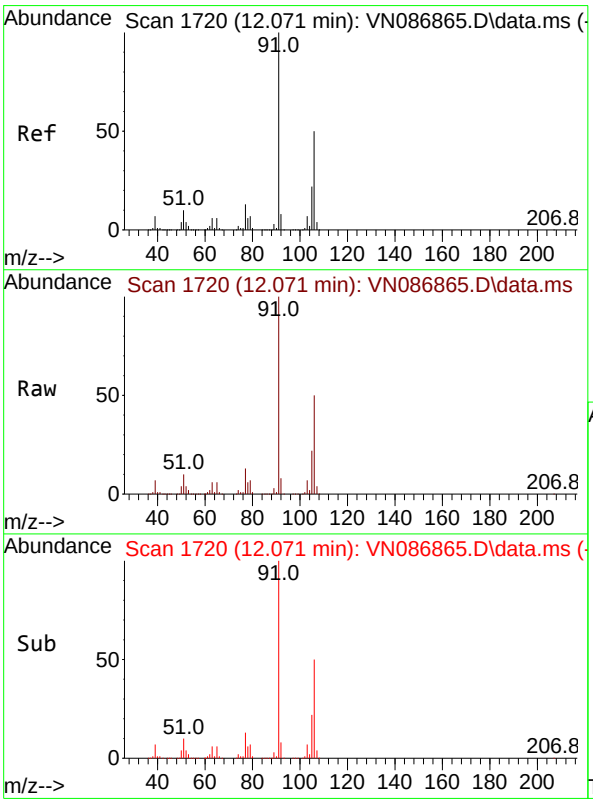
Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.4	38.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

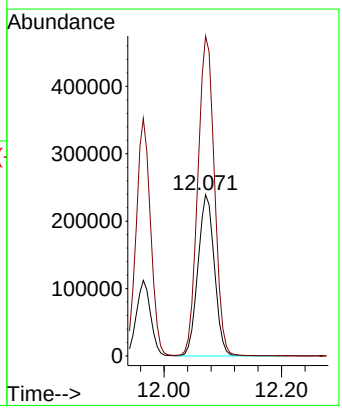


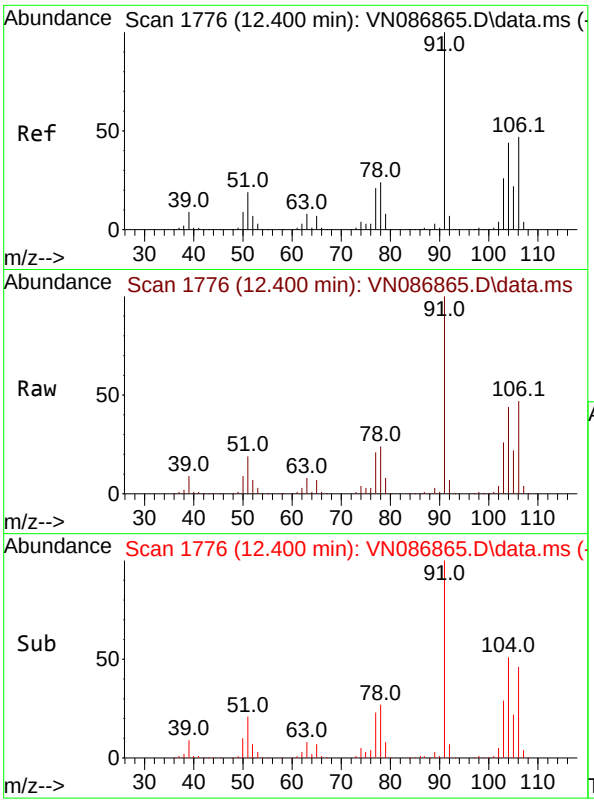


#68
m/p-Xylenes
Concen: 96.424 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:106 Resp: 466620

Ion	Ratio	Lower	Upper
106	100		
91	199.2	159.4	239.0

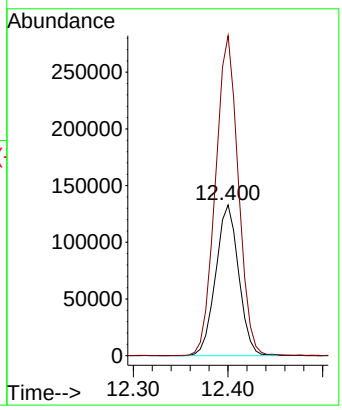




#69
o-Xylene
Concen: 48.395 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:106 Resp: 22429

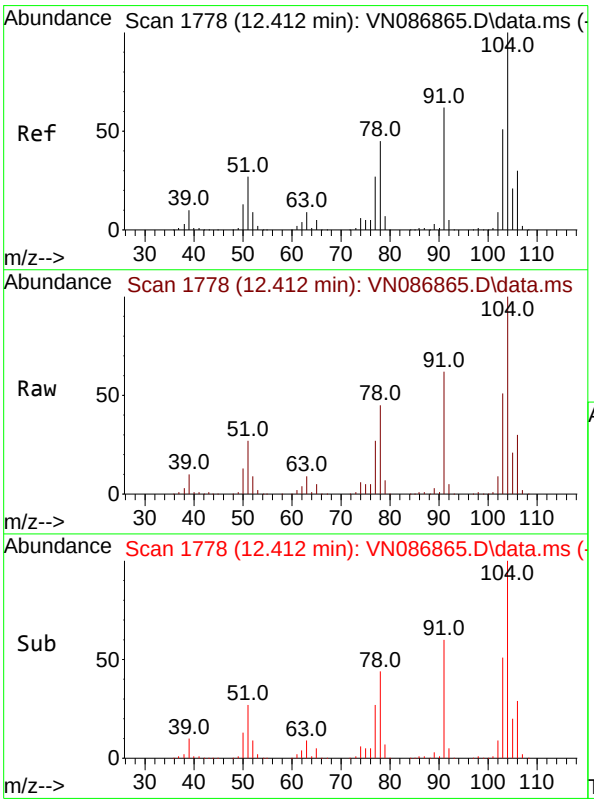
Ion	Ratio	Lower	Upper
106	100		
91	212.1	106.1	318.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

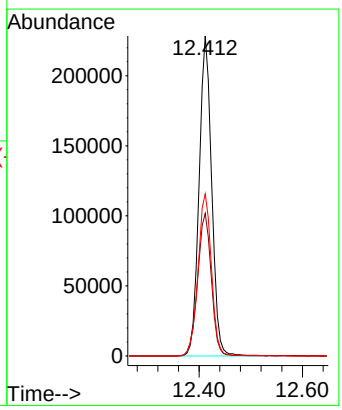
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

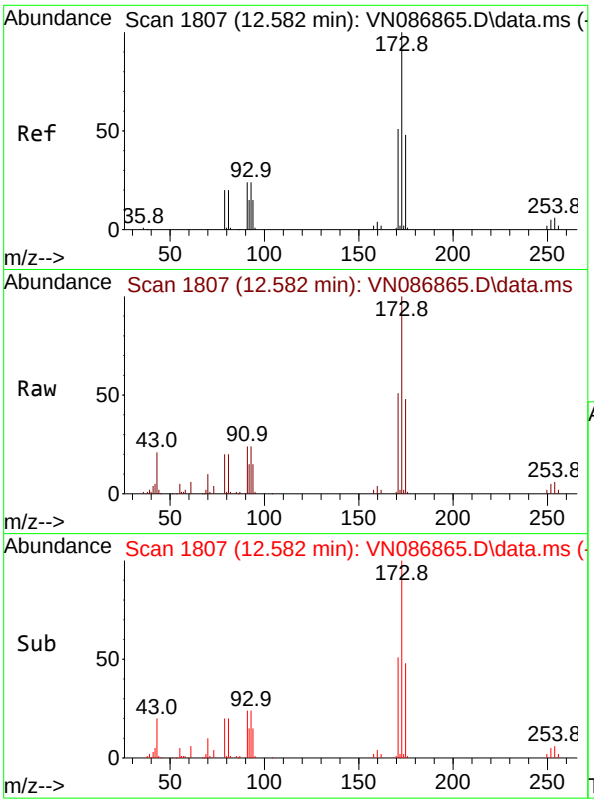


#70
Styrene
Concen: 48.745 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:104 Resp: 386596

Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.5	57.7
103	53.9	43.1	64.7

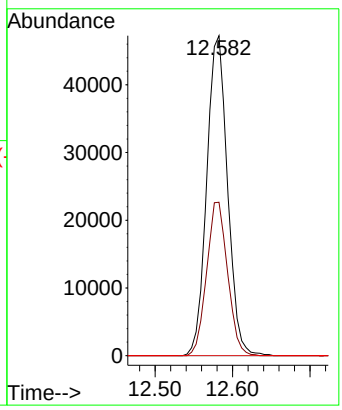




#71
Bromoform
Concen: 50.415 ug/l
RT: 12.582 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:173 Resp: 8812

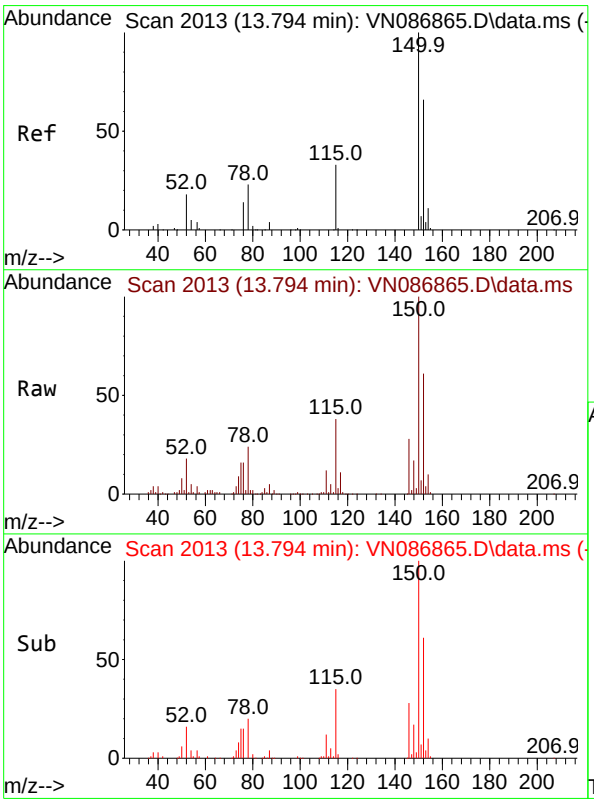
Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

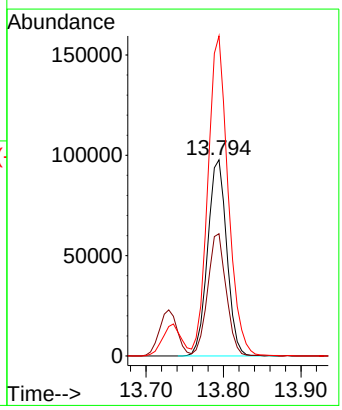
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

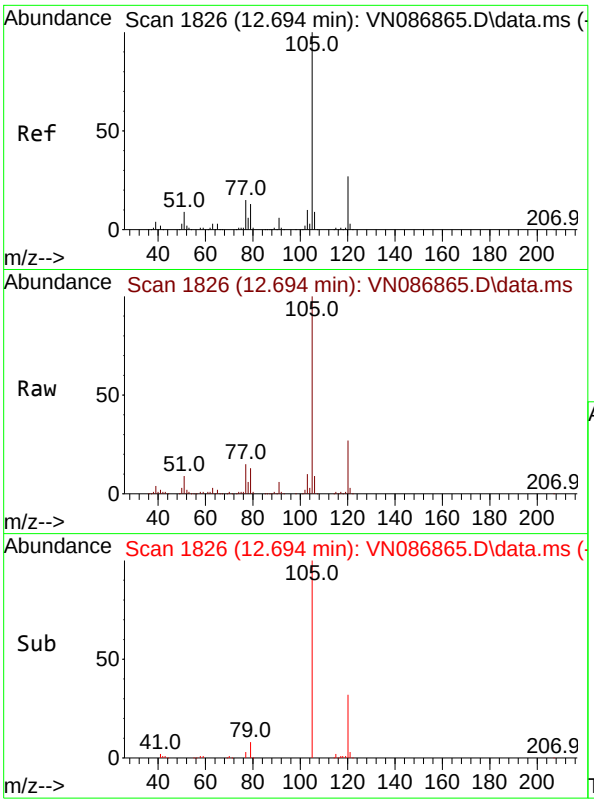


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:152 Resp: 167532

Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.1	90.5
150	172.5	0.0	345.0

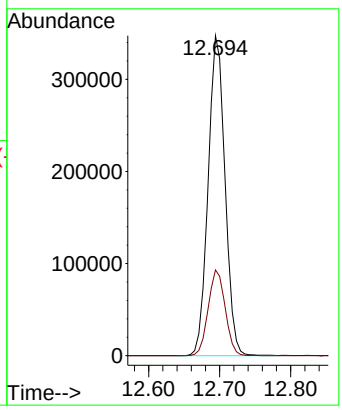




#73
Isopropylbenzene
Concen: 47.023 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:105 Resp: 57390

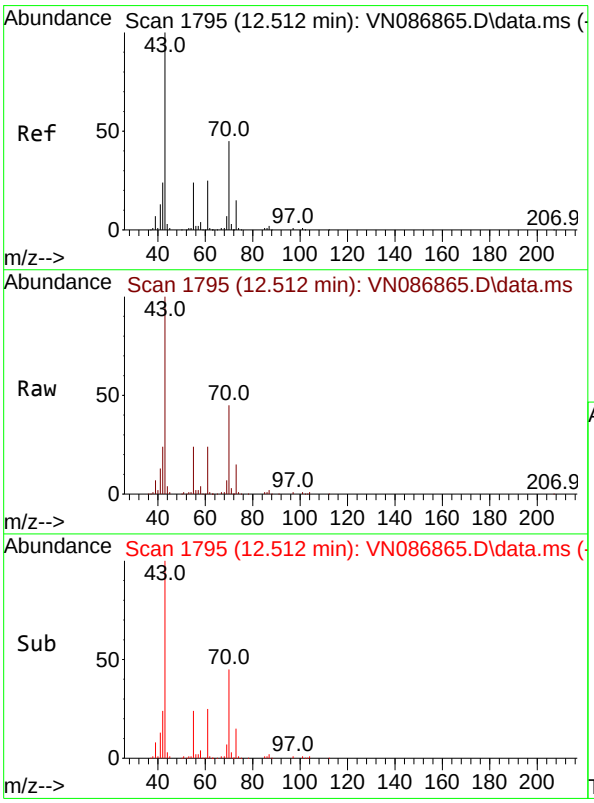
Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.5	40.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

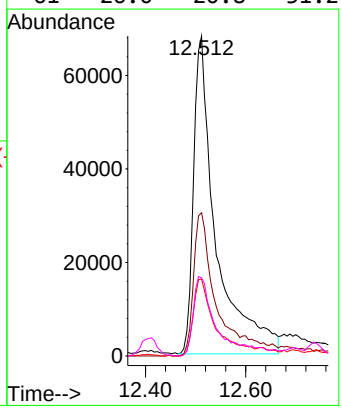
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

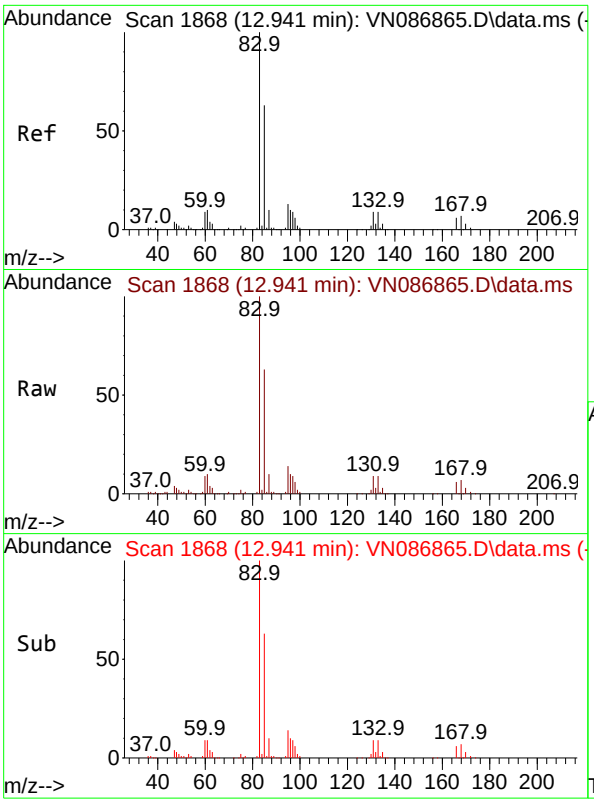


#74
N-amyl acetate
Concen: 52.353 ug/l
RT: 12.512 min Scan# 1795
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 43 Resp: 212064

Ion	Ratio	Lower	Upper
43	100		
70	47.0	37.6	56.4
55	23.8	19.0	28.6
61	26.0	20.8	31.2





#75
1,1,2,2-Tetrachloroethane
Concen: 47.732 ug/l
RT: 12.941 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

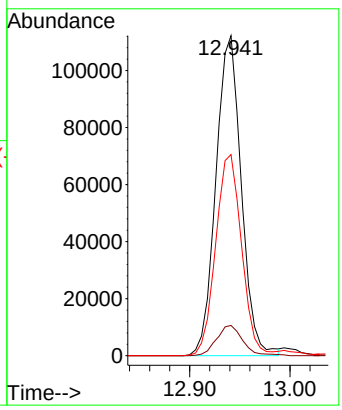
Tgt Ion: 83 Resp: 19736

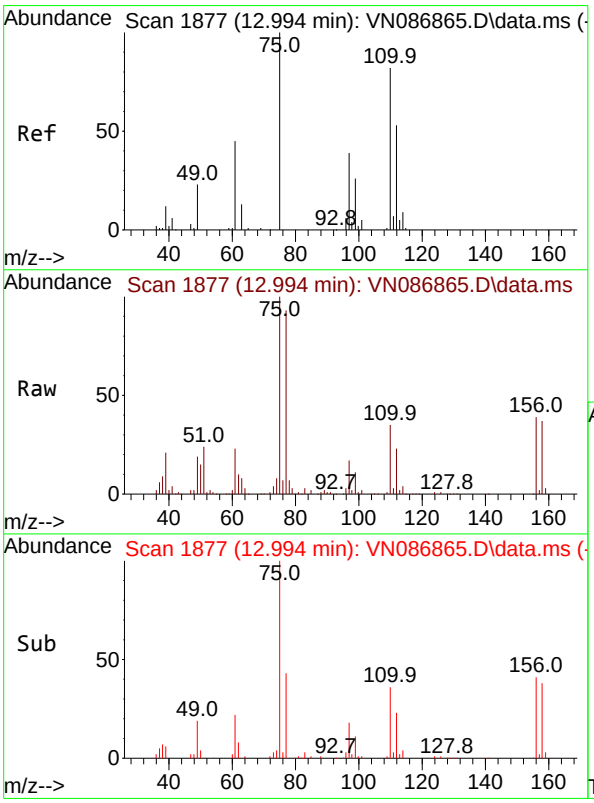
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	64.0	32.0	96.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

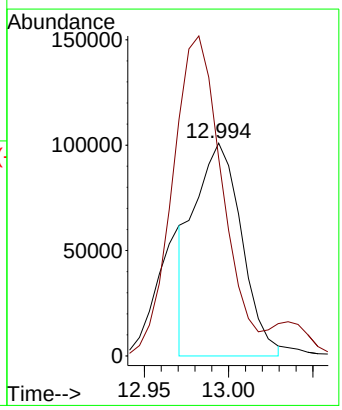


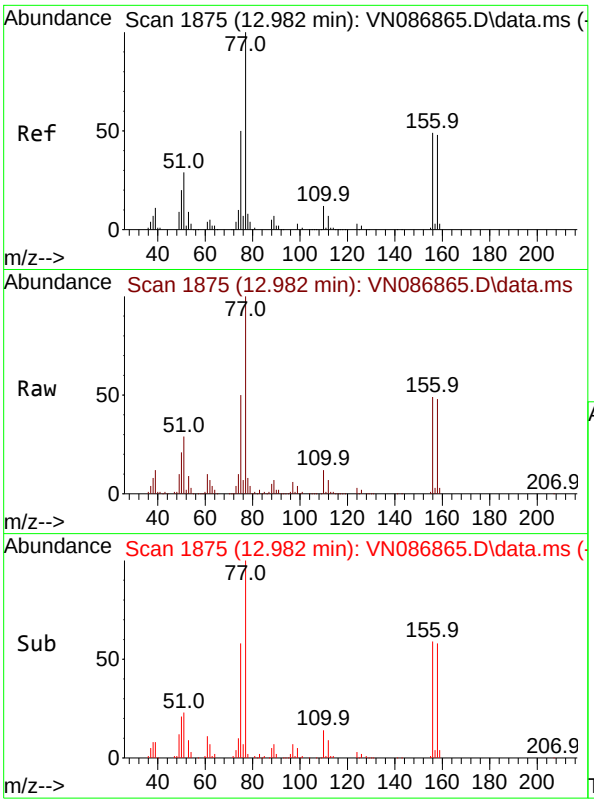


#76
1,2,3-Trichloropropane
Concen: 49.183 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 75 Resp: 196473

Ion	Ratio	Lower	Upper
75	100		
77	158.6	79.3	237.9





#77
Bromobenzene
Concen: 47.296 ug/l
RT: 12.982 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

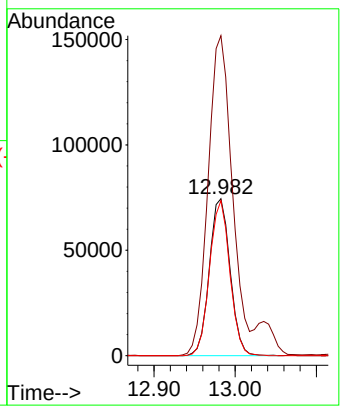
Tgt Ion:156 Resp: 13238

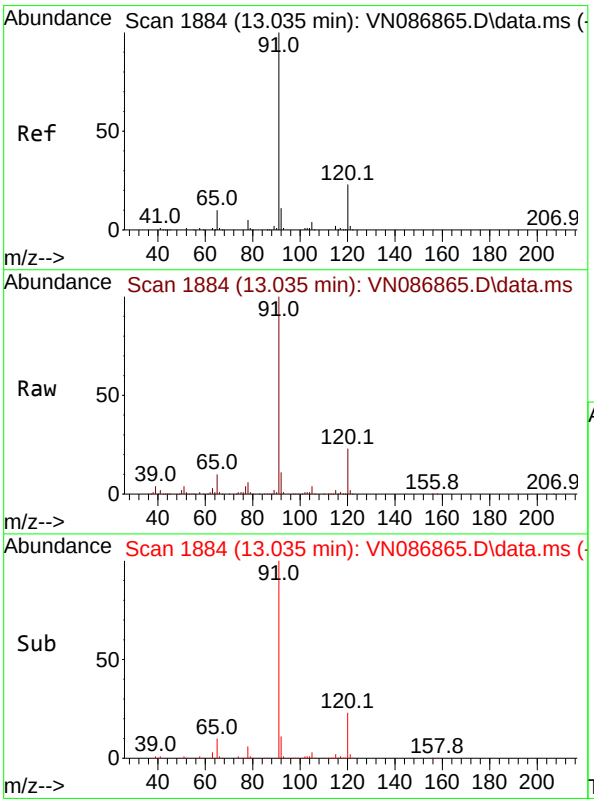
Ion	Ratio	Lower	Upper
156	100		
77	235.4	117.7	353.1
158	96.3	48.1	144.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

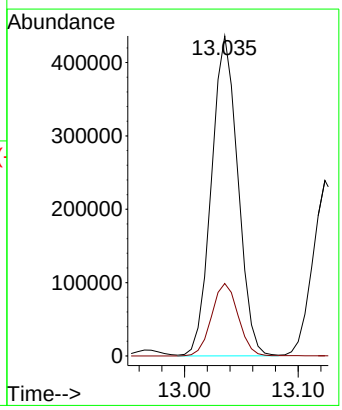


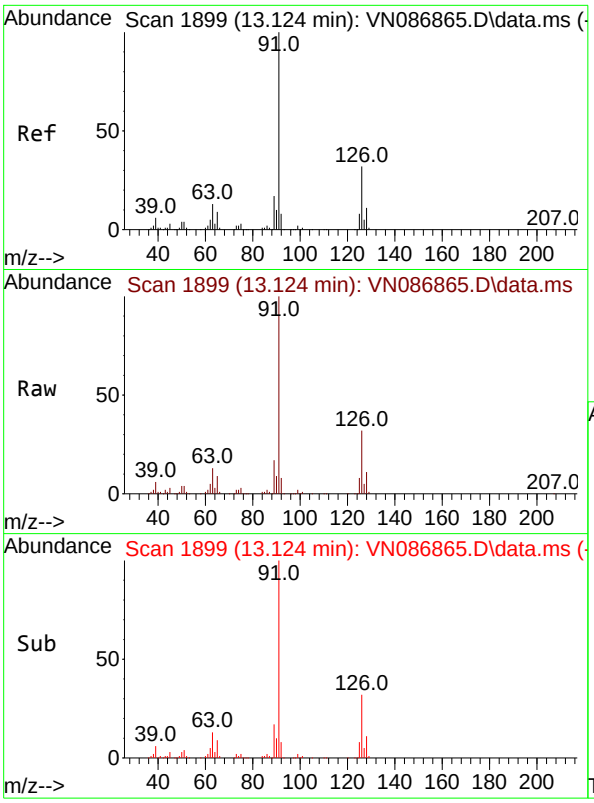


#78
n-propylbenzene
Concen: 47.567 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 91 Resp: 705524

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.4	34.2

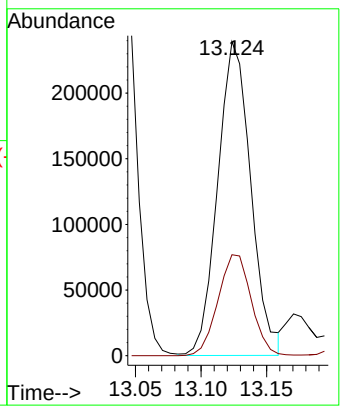




#79
2-Chlorotoluene
Concen: 47.216 ug/l
RT: 13.124 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 91 Resp: 41998

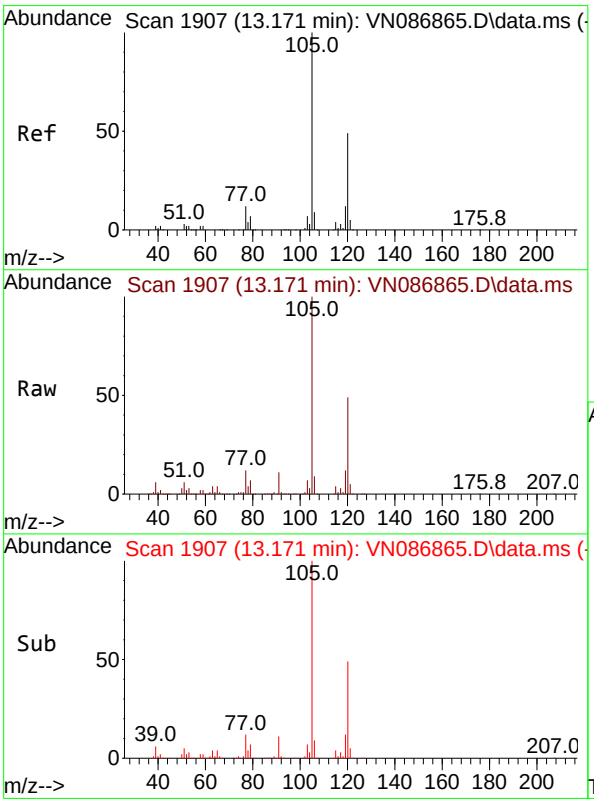
Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.2	48.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

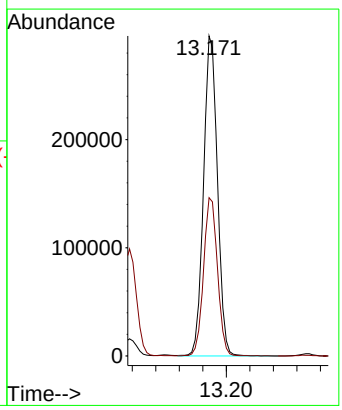
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

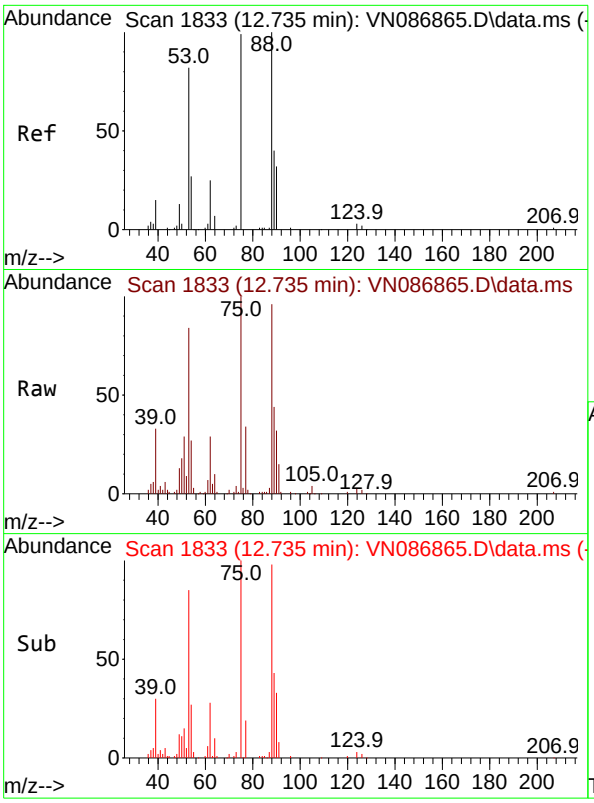


#80
1,3,5-Trimethylbenzene
Concen: 48.181 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:105 Resp: 485499

Ion	Ratio	Lower	Upper
105	100		
120	49.7	24.9	74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 46.089 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

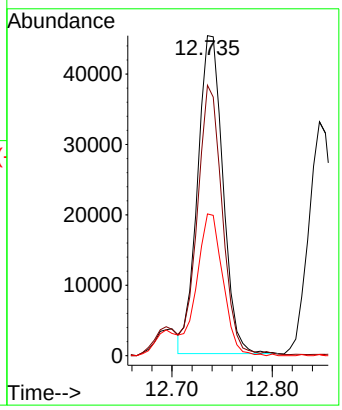
Tgt Ion: 75 Resp: 7973

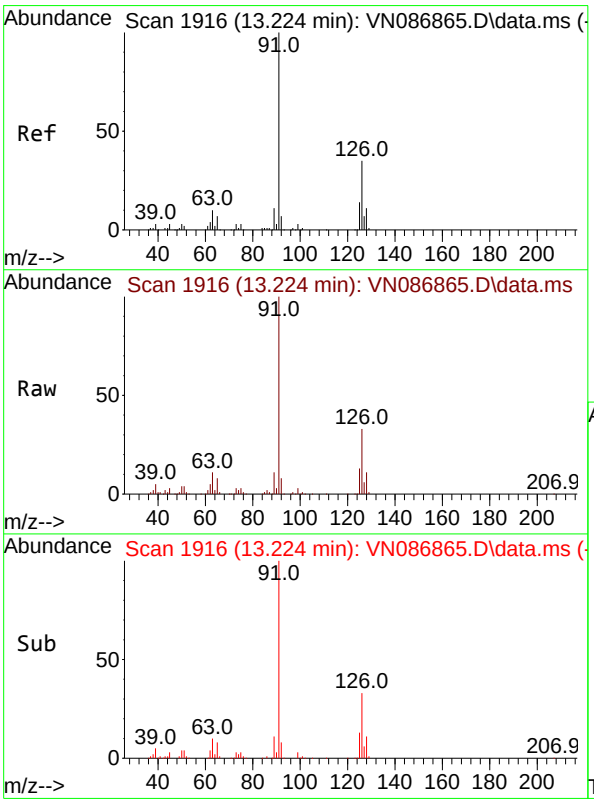
Ion	Ratio	Lower	Upper
75	100		
53	83.2	66.6	99.8
89	45.9	36.7	55.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

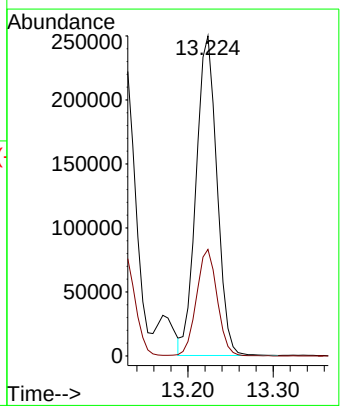


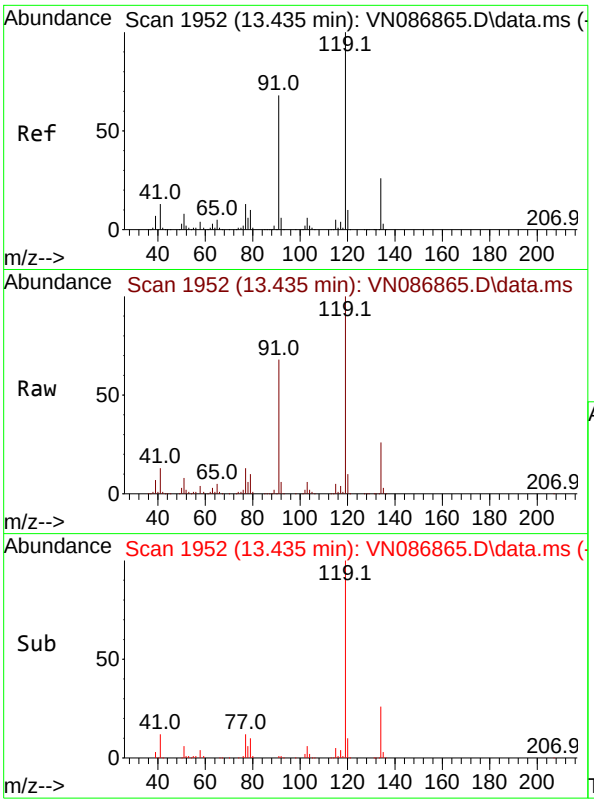


#82
4-Chlorotoluene
Concen: 47.117 ug/l
RT: 13.224 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 91 Resp: 424066

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.7	50.1

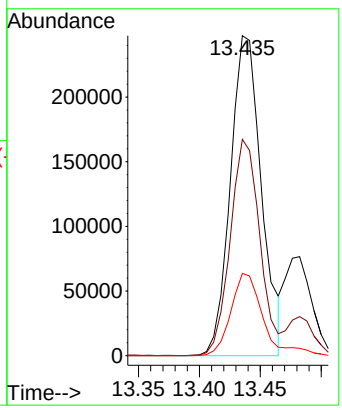




#83
tert-Butylbenzene
Concen: 47.531 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:119 Resp: 43841

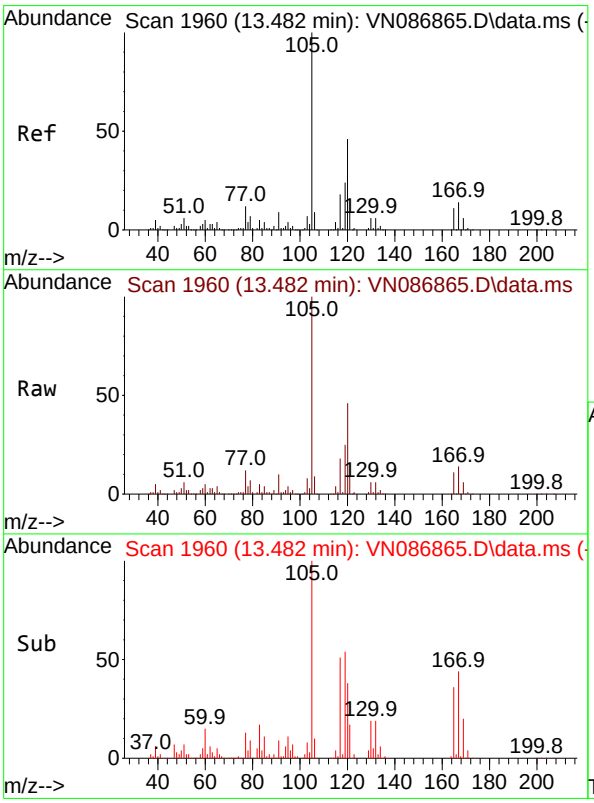
Ion	Ratio	Lower	Upper
119	100		
91	64.3	32.1	96.5
134	26.7	13.4	40.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

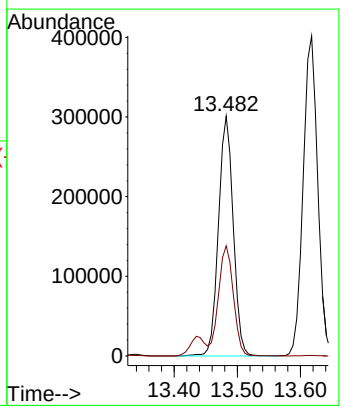
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

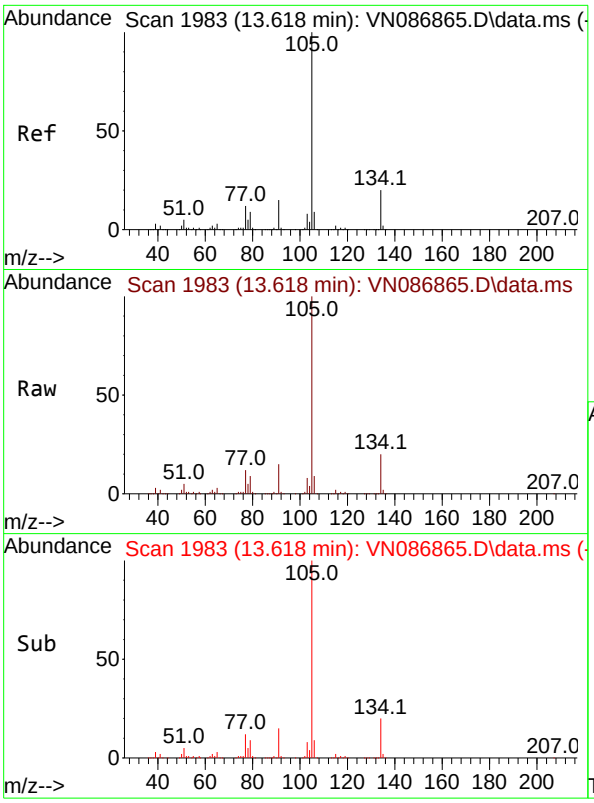


#84
1,2,4-Trimethylbenzene
Concen: 48.314 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:105 Resp: 488189

Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.2	69.6





#85
sec-Butylbenzene
Concen: 47.893 ug/l
RT: 13.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

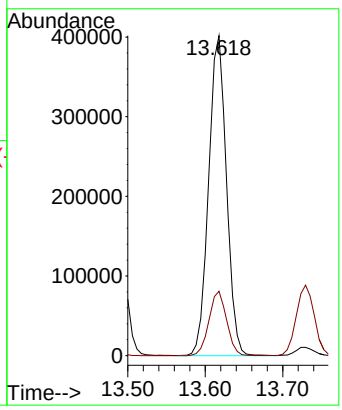
Tgt Ion:105 Resp: 64152

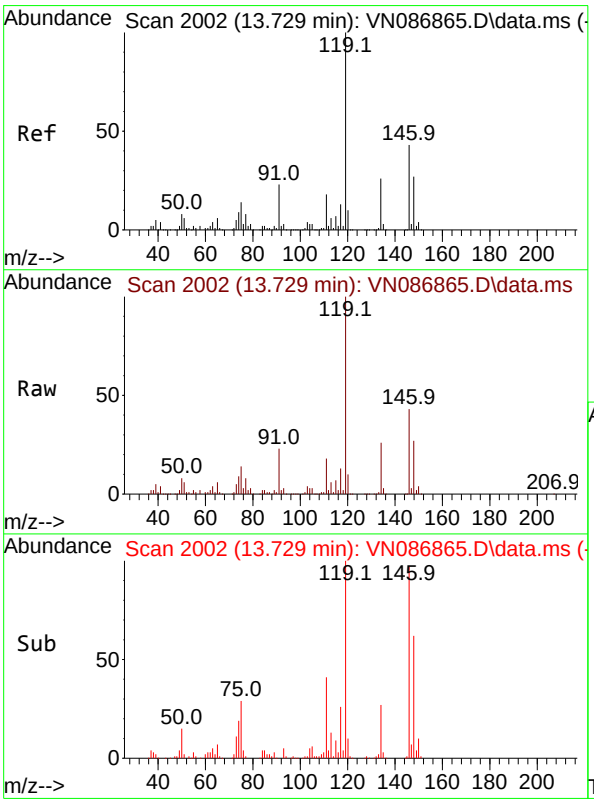
Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	30.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

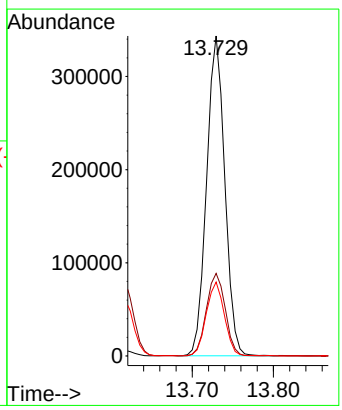


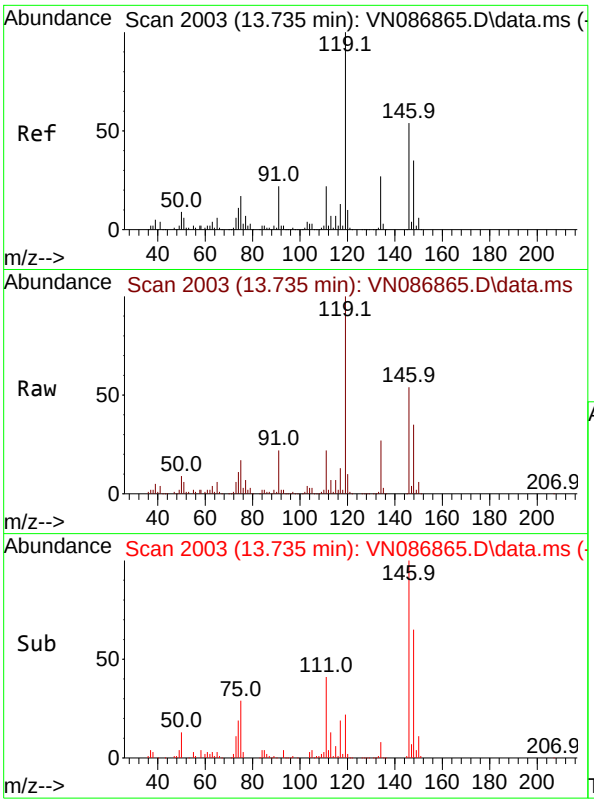


#86
p-Isopropyltoluene
Concen: 48.169 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:119 Resp: 533366

Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.5	40.4
91	22.9	11.5	34.4

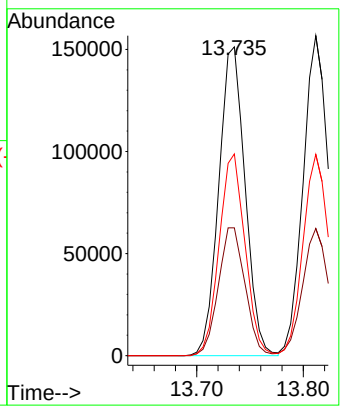




#87
1,3-Dichlorobenzene
Concen: 47.269 ug/l
RT: 13.735 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:146 Resp: 26031

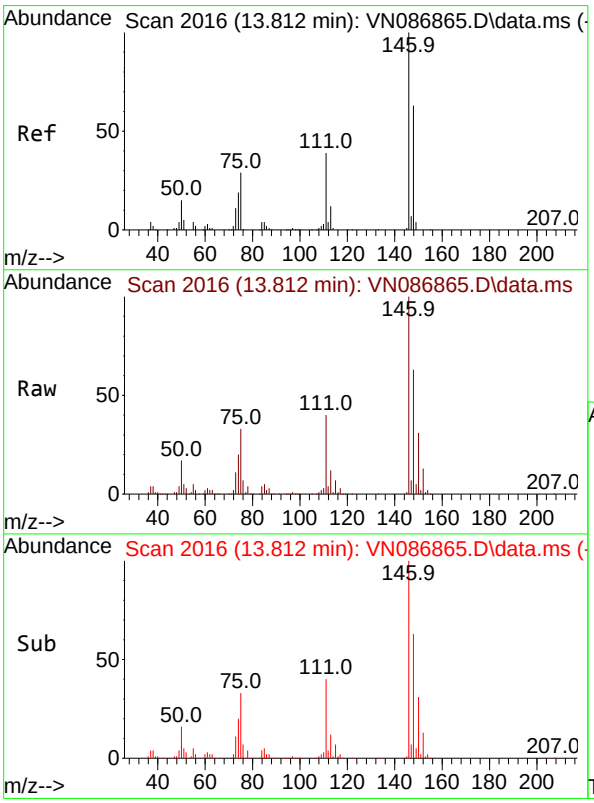
Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.9	62.8
148	64.1	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

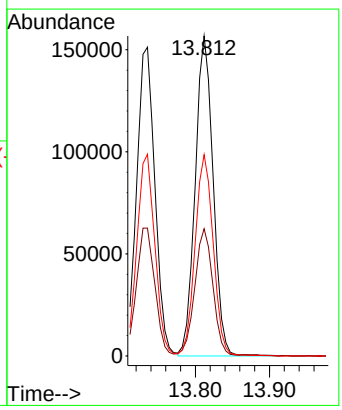
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

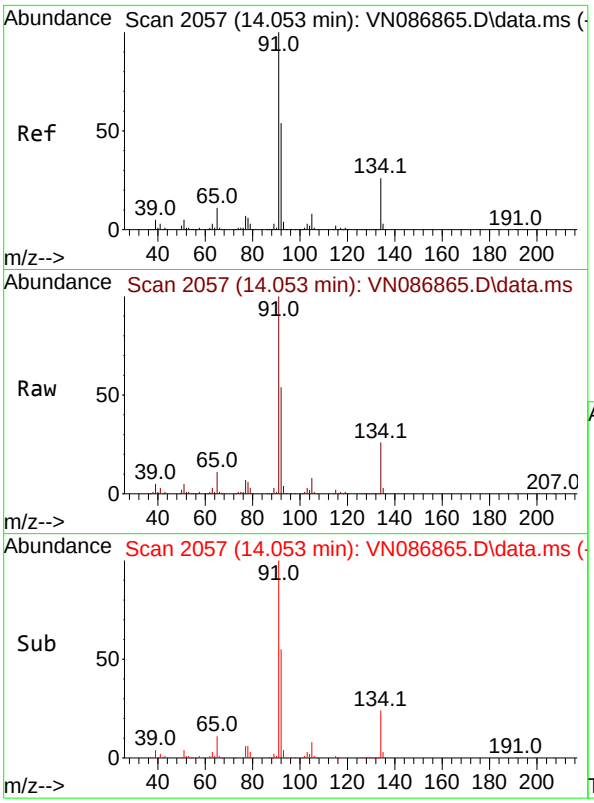


#88
1,4-Dichlorobenzene
Concen: 46.907 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:146 Resp: 263358

Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.9	59.7
148	63.6	31.8	95.4

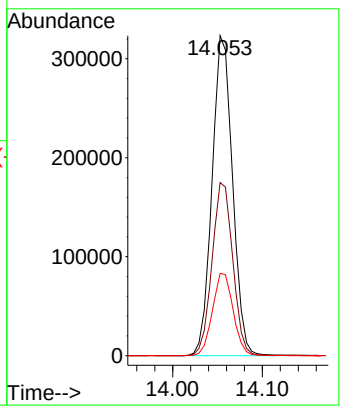




#89
n-Butylbenzene
Concen: 47.787 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 91 Resp: 51251

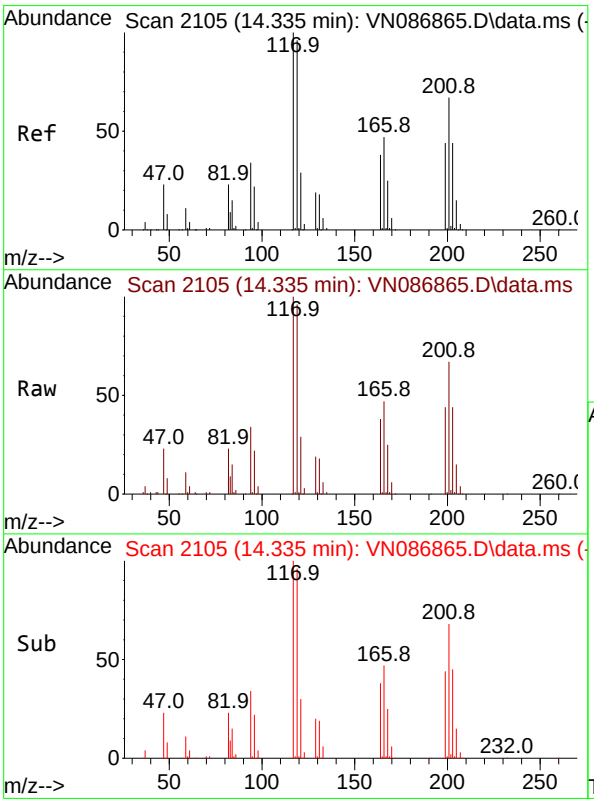
Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.5	82.4
134	26.0	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

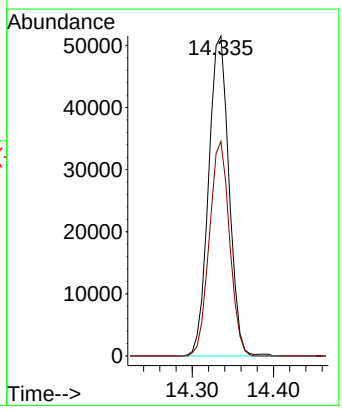
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

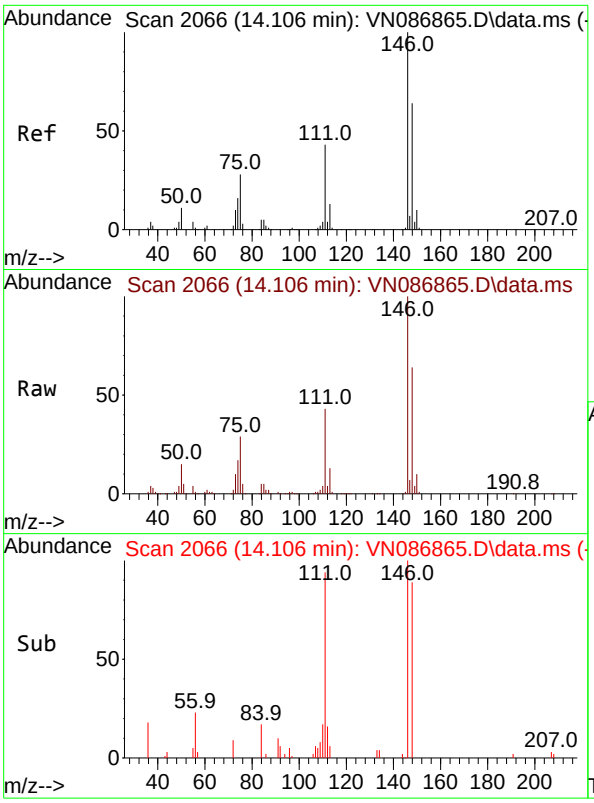


#90
Hexachloroethane
Concen: 47.896 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:117 Resp: 89896

Ion	Ratio	Lower	Upper
117	100		
201	66.4	33.2	99.6

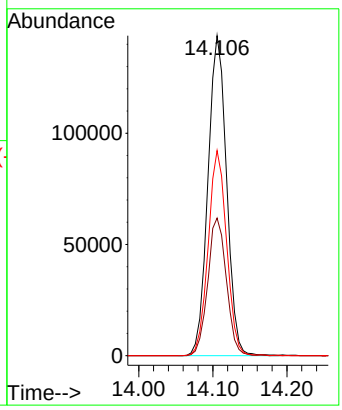




#91
1,2-Dichlorobenzene
Concen: 47.486 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:146 Resp: 25123

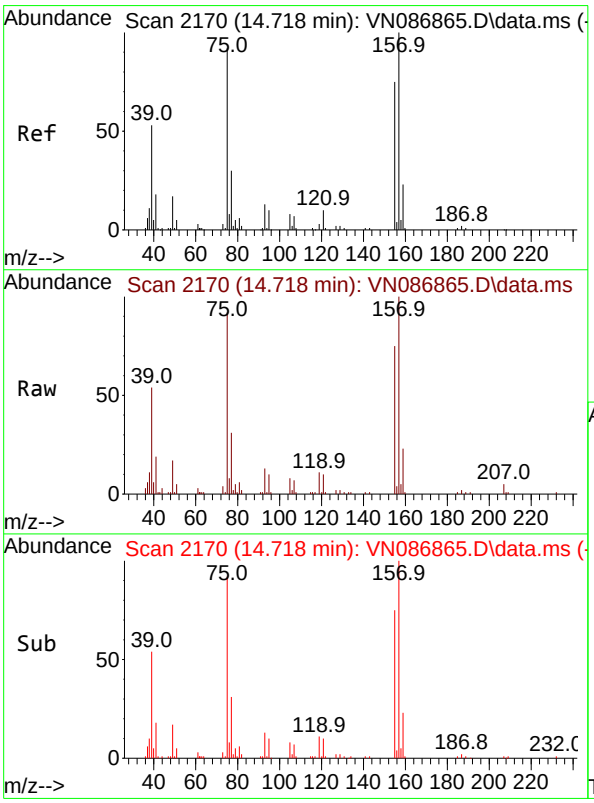
Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	64.6
148	63.4	31.7	95.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

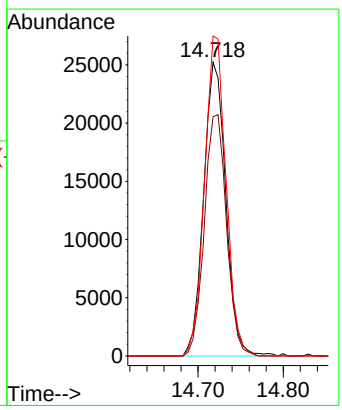
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

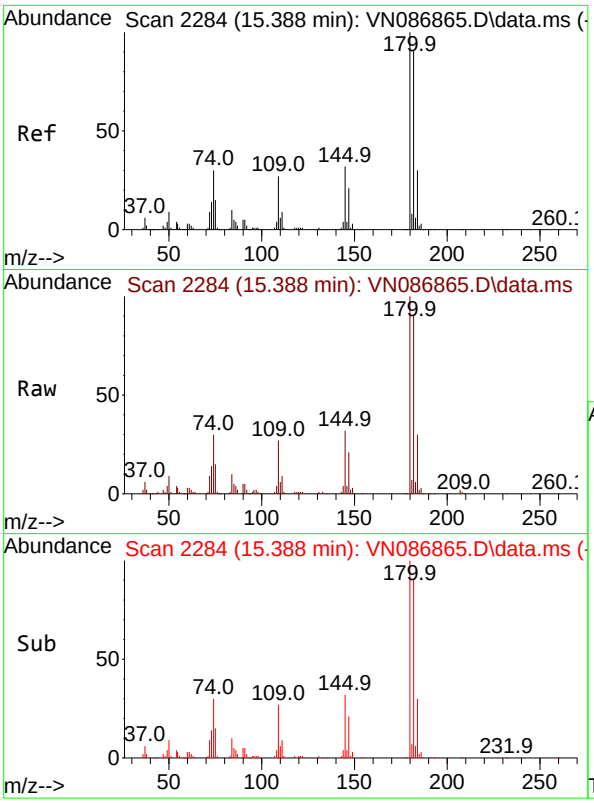


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.049 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 75 Resp: 45535

Ion	Ratio	Lower	Upper
75	100		
155	82.3	41.1	123.4
157	105.4	52.7	158.1

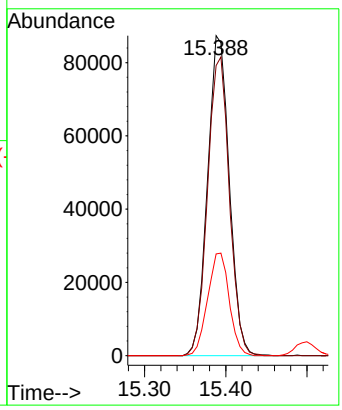




#93
1,2,4-Trichlorobenzene
Concen: 48.061 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:180 Resp: 16237

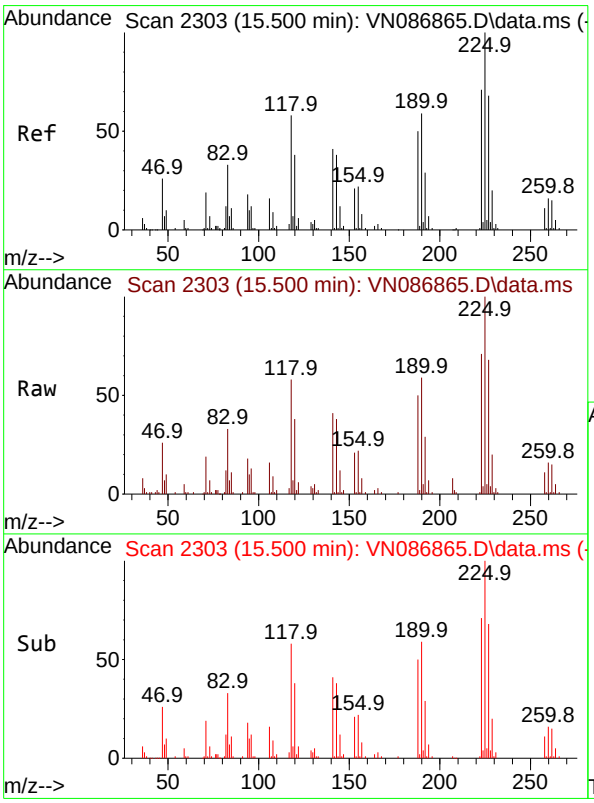
Ion	Ratio	Lower	Upper
180	100		
182	93.8	46.9	140.7
145	31.9	16.0	47.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

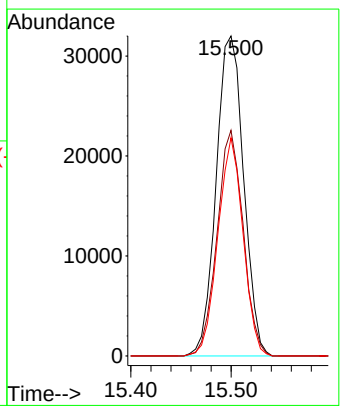
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

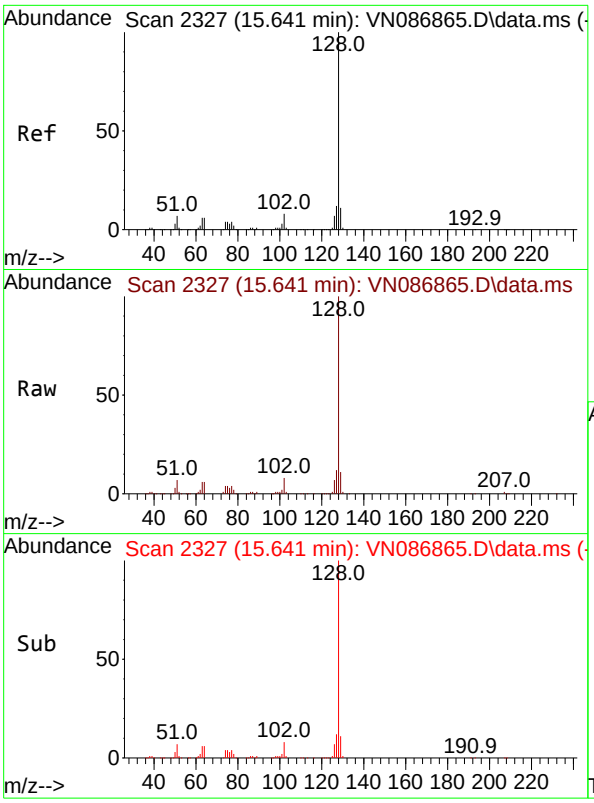


#94
Hexachlorobutadiene
Concen: 48.356 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:225 Resp: 60866

Ion	Ratio	Lower	Upper
225	100		
223	66.9	33.5	100.4
227	62.3	31.1	93.5

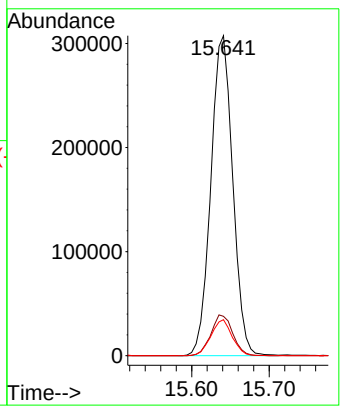




#95
Naphthalene
Concen: 47.958 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:128 Resp: 60308

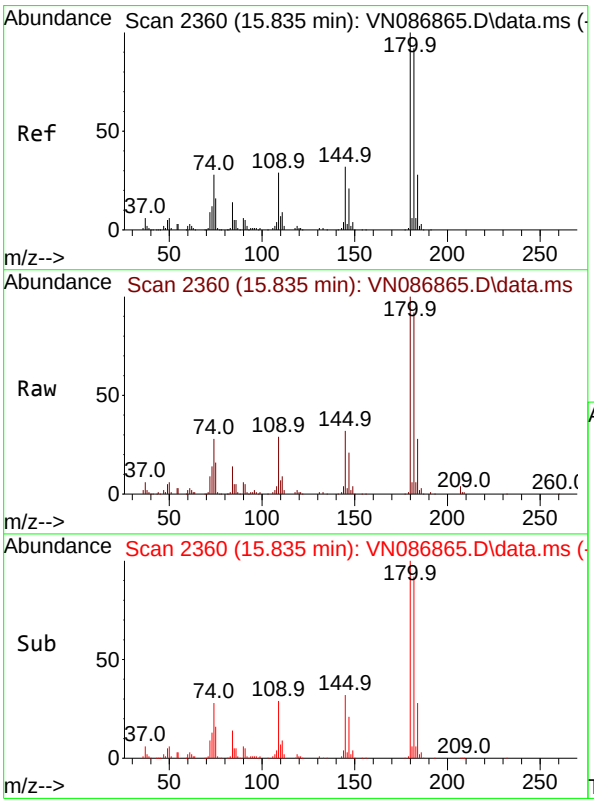
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.0	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

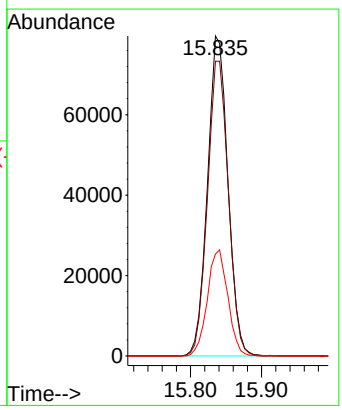
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



#96
1,2,3-Trichlorobenzene
Concen: 47.402 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:180 Resp: 159113

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.0	141.0
145	33.2	16.6	49.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	181996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	327782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	290313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	147098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	238957	98.065	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 196.120%#			
35) Dibromofluoromethane	8.177	113	195212	100.495	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 200.980%#			
50) Toluene-d8	10.570	98	772210	100.419	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 200.840%#			
62) 4-Bromofluorobenzene	12.847	95	292385	102.339	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 204.680%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	194799	107.350	ug/l	100
3) Chloromethane	2.395	50	224558	95.833	ug/l	98
4) Vinyl Chloride	2.553	62	245135	101.414	ug/l	98
5) Bromomethane	2.977	94	137967	101.996	ug/l	99
6) Chloroethane	3.147	64	152150	97.447	ug/l	97
7) Trichlorofluoromethane	3.524	101	312394	98.917	ug/l	99
8) Diethyl Ether	3.983	74	139844	101.631	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.389	101	198739	100.163	ug/l	99
10) Methyl Iodide	4.612	142	262771	102.162	ug/l	99
11) Tert butyl alcohol	5.547	59	327987	496.062	ug/l	99
12) 1,1-Dichloroethene	4.359	96	200212	98.838	ug/l	99
13) Acrolein	4.200	56	94171	449.961	ug/l	98
14) Allyl chloride	5.047	41	329412	98.055	ug/l	99
15) Acrylonitrile	5.735	53	770470	498.552	ug/l	99
16) Acetone	4.447	43	608178	470.648	ug/l	98
17) Carbon Disulfide	4.736	76	544511	97.179	ug/l	100
18) Methyl Acetate	5.047	43	381808	101.390	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	735694	100.306	ug/l	100
20) Methylene Chloride	5.294	84	228800	94.575	ug/l	97
21) trans-1,2-Dichloroethene	5.806	96	215177	95.476	ug/l	99
22) Diisopropyl ether	6.688	45	696881	98.409	ug/l	98
23) Vinyl Acetate	6.618	43	2919350	487.936	ug/l	100
24) 1,1-Dichloroethane	6.588	63	404207	99.186	ug/l	99
25) 2-Butanone	7.494	43	1043385	496.743	ug/l	100
26) 2,2-Dichloropropane	7.500	77	331995	104.729	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	265248	98.410	ug/l	99
28) Bromochloromethane	7.824	49	188050	93.851	ug/l	99
29) Tetrahydrofuran	7.847	42	677636	495.240	ug/l	99
30) Chloroform	7.977	83	394927	97.040	ug/l	99
31) Cyclohexane	8.265	56	374933	94.869	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	336819	97.306	ug/l	99
36) 1,1-Dichloropropene	8.382	75	289907	100.156	ug/l	99
37) Ethyl Acetate	7.571	43	370652	100.591	ug/l	99
38) Carbon Tetrachloride	8.371	117	285325	100.404	ug/l	98
39) Methylcyclohexane	9.606	83	395603	99.758	ug/l	99
40) Benzene	8.612	78	927083	97.946	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.794	41	195946	94.688	ug/l		95
42) 1,2-Dichloroethane	8.676	62	282015	98.232	ug/l		100
43) Isopropyl Acetate	8.694	43	579464	97.981	ug/l		99
44) Trichloroethene	9.359	130	222822	99.280	ug/l		97
45) 1,2-Dichloropropane	9.629	63	230454	100.077	ug/l		98
46) Dibromomethane	9.712	93	155530	101.685	ug/l		99
47) Bromodichloromethane	9.894	83	316375	100.533	ug/l		100
48) Methyl methacrylate	9.682	41	275710	101.288	ug/l		99
49) 1,4-Dioxane	9.706	88	104771	2115.744	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.447	43	1843274	517.729	ug/l		99
52) Toluene	10.635	92	578978	100.092	ug/l		100
53) t-1,3-Dichloropropene	10.841	75	359200	102.077	ug/l		99
54) cis-1,3-Dichloropropene	10.318	75	383030	101.730	ug/l		99
55) 1,1,2-Trichloroethane	11.017	97	219922	98.808	ug/l		98
56) Ethyl methacrylate	10.882	69	389802	109.955	ug/l		99
57) 1,3-Dichloropropane	11.165	76	382510	99.069	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.165	63	1113523	526.621	ug/l		100
59) 2-Hexanone	11.200	43	1301539	567.535	ug/l		99
60) Dibromochloromethane	11.359	129	237965	102.616	ug/l		100
61) 1,2-Dibromoethane	11.470	107	232214	101.787	ug/l		98
64) Tetrachloroethene	11.106	164	181568	98.824	ug/l		94
65) Chlorobenzene	11.894	112	632563	98.793	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	206895	100.521	ug/l		100
67) Ethyl Benzene	11.964	91	1110803	100.717	ug/l		99
68) m/p-Xylenes	12.070	106	854557	202.411	ug/l		99
69) o-Xylene	12.400	106	412719	102.070	ug/l		100
70) Styrene	12.412	104	713548	103.127	ug/l		100
71) Bromoform	12.576	173	165781	108.707	ug/l	#	99
73) Isopropylbenzene	12.694	105	1065297	99.410	ug/l		100
74) N-amyl acetate	12.506	43	403587	113.475	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.941	83	354386	97.616	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	353334m	100.738	ug/l		
77) Bromobenzene	12.982	156	246413	100.266	ug/l		99
78) n-propylbenzene	13.035	91	1301631	99.948	ug/l		100
79) 2-Chlorotoluene	13.123	91	770308	98.630	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	901317	101.873	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	160736	105.820	ug/l		92
82) 4-Chlorotoluene	13.223	91	783657	99.166	ug/l		100
83) tert-Butylbenzene	13.435	119	807528	99.710	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	904794	101.983	ug/l		100
85) sec-Butylbenzene	13.617	105	1182155	100.513	ug/l		99
86) p-Isopropyltoluene	13.729	119	990273	101.857	ug/l		100
87) 1,3-Dichlorobenzene	13.735	146	474162	98.063	ug/l		100
88) 1,4-Dichlorobenzene	13.811	146	483003	97.978	ug/l		99
89) n-Butylbenzene	14.053	91	937913	99.598	ug/l		100
90) Hexachloroethane	14.335	117	169772	103.019	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	458049	98.602	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	83243	95.877	ug/l		96
93) 1,2,4-Trichlorobenzene	15.394	180	298870	100.751	ug/l		99
94) Hexachlorobutadiene	15.500	225	112496	101.789	ug/l		98
95) Naphthalene	15.641	128	1129434	102.290	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	294127	99.796	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 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

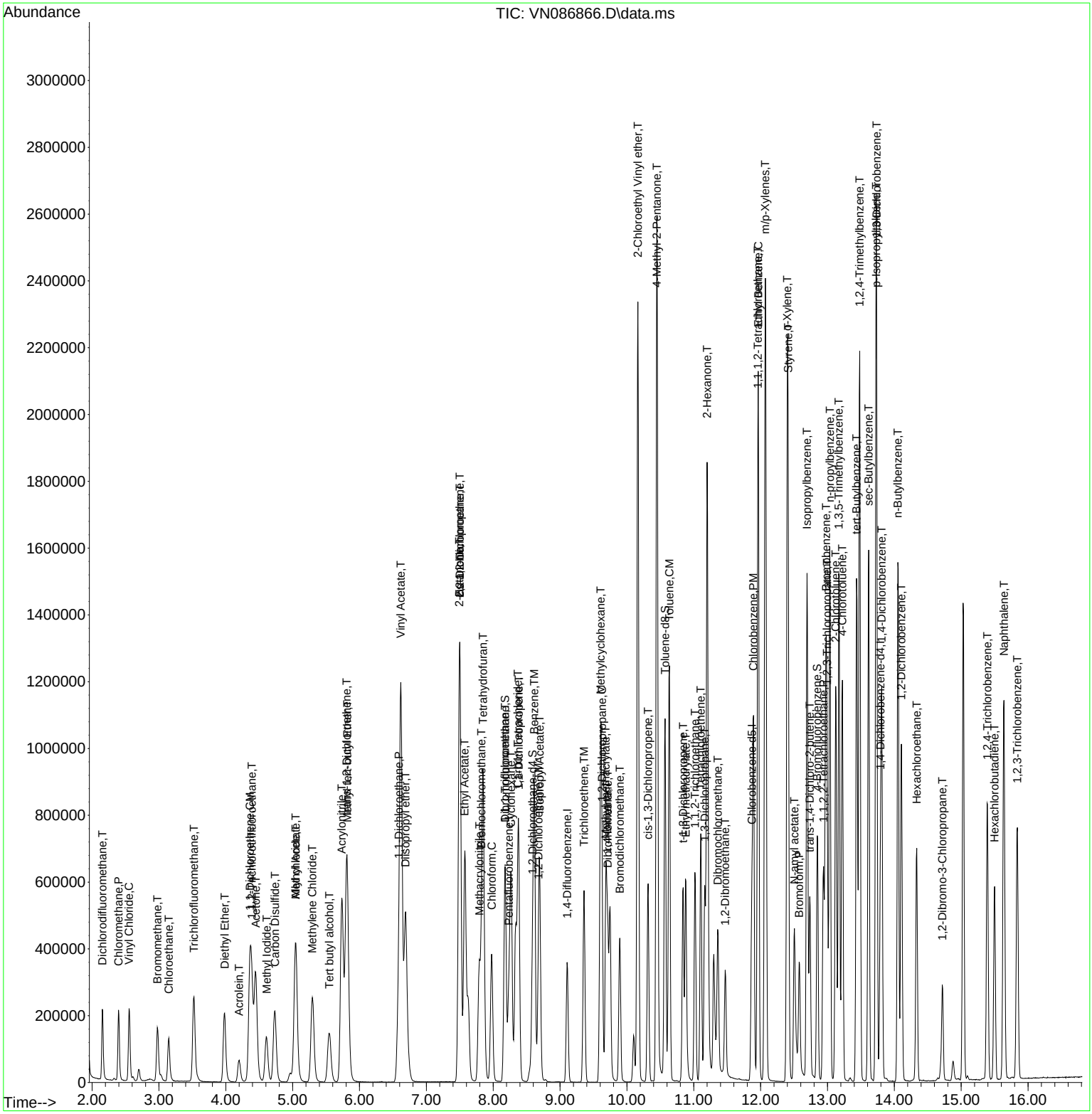
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

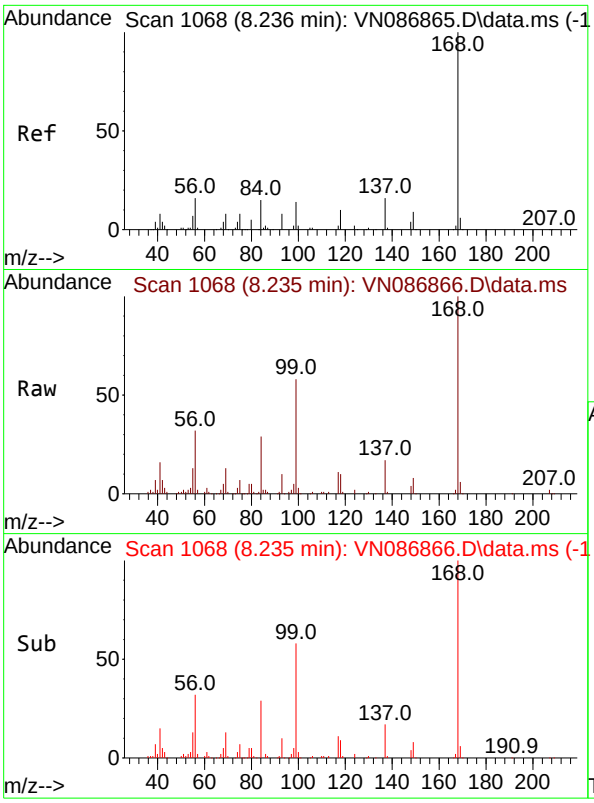
Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

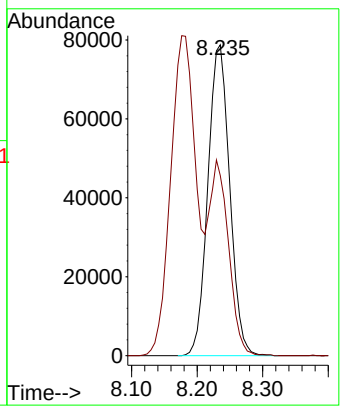




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:168 Resp: 18199

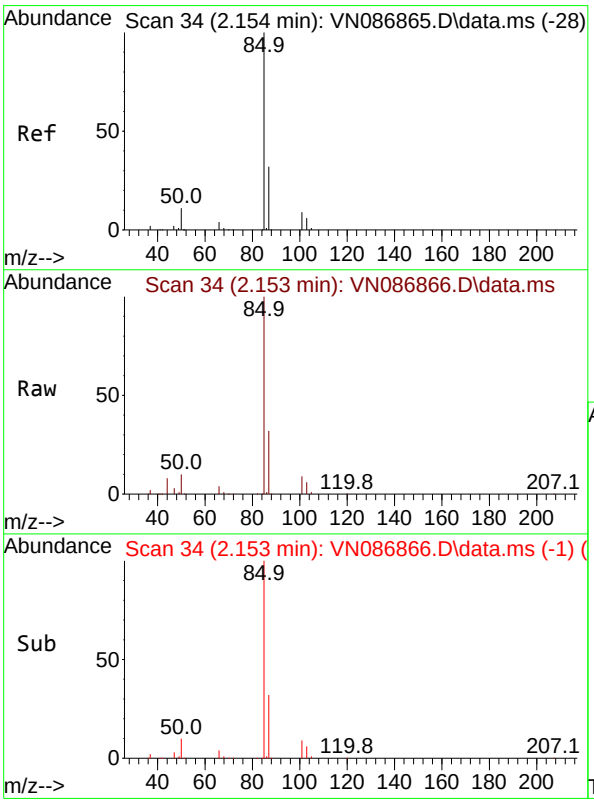
Ion	Ratio	Lower	Upper
168	100		
99	57.9	49.1	73.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

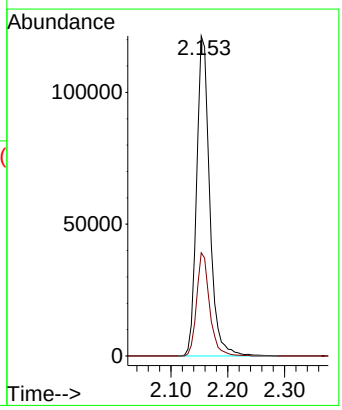
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

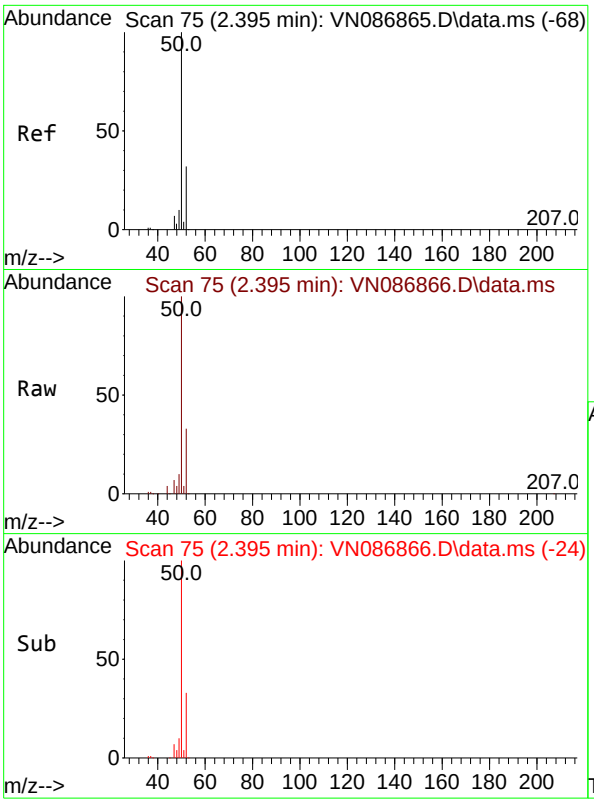


#2
Dichlorodifluoromethane
Concen: 107.350 ug/l
RT: 2.153 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 85 Resp: 194799

Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.2	48.6

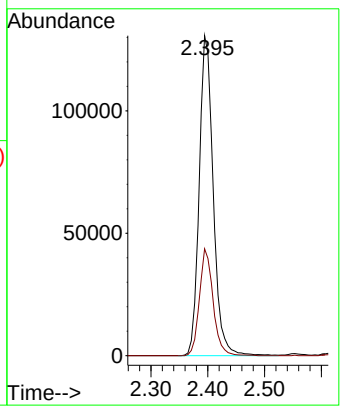




#3
Chloromethane
Concen: 95.833 ug/l
RT: 2.395 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 50 Resp: 22455

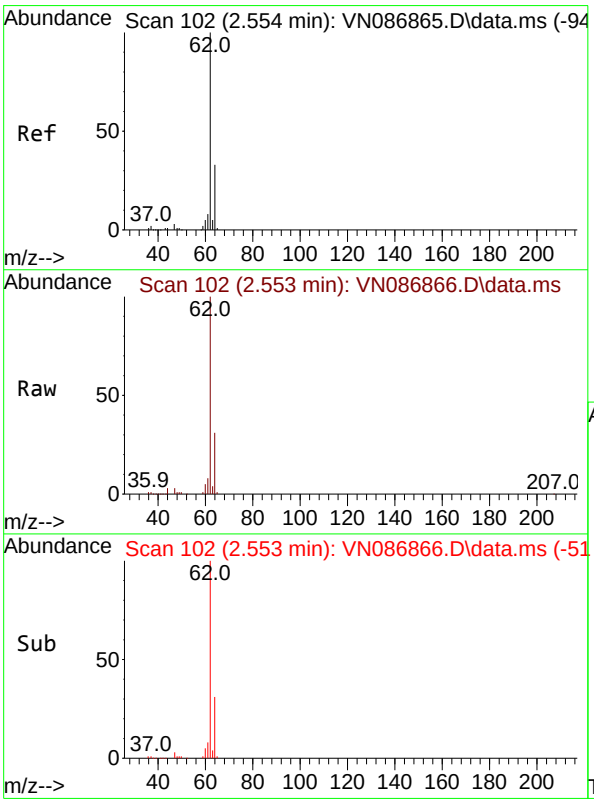
Ion	Ratio	Lower	Upper
50	100		
52	33.4	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

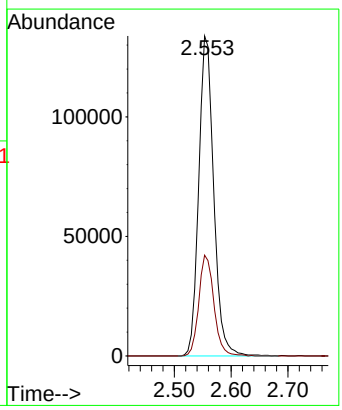
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

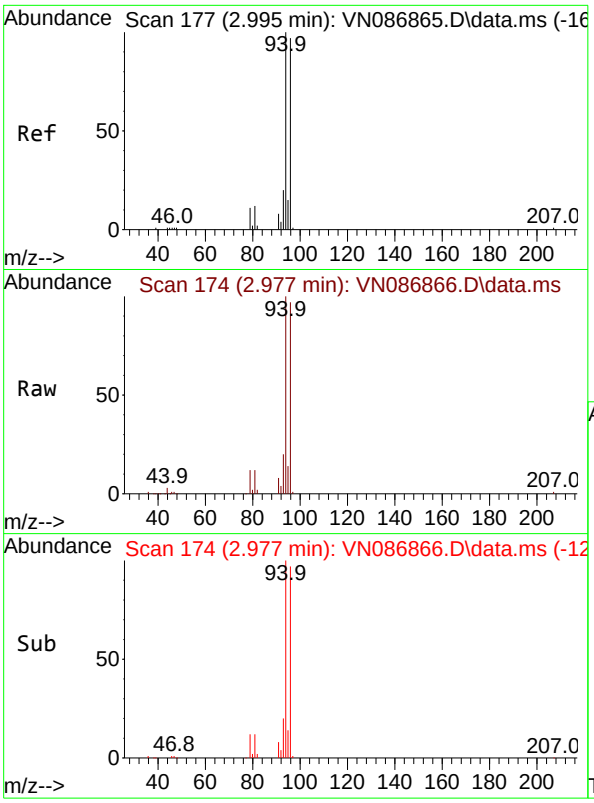


#4
Vinyl Chloride
Concen: 101.414 ug/l
RT: 2.553 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 62 Resp: 245135

Ion	Ratio	Lower	Upper
62	100		
64	31.5	26.0	39.0

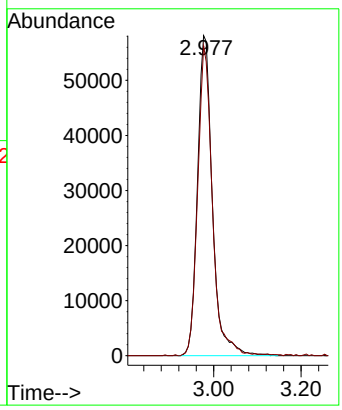




#5
Bromomethane
Concen: 101.996 ug/l
RT: 2.977 min Scan# 1
Delta R.T. -0.018 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 94 Resp: 13796

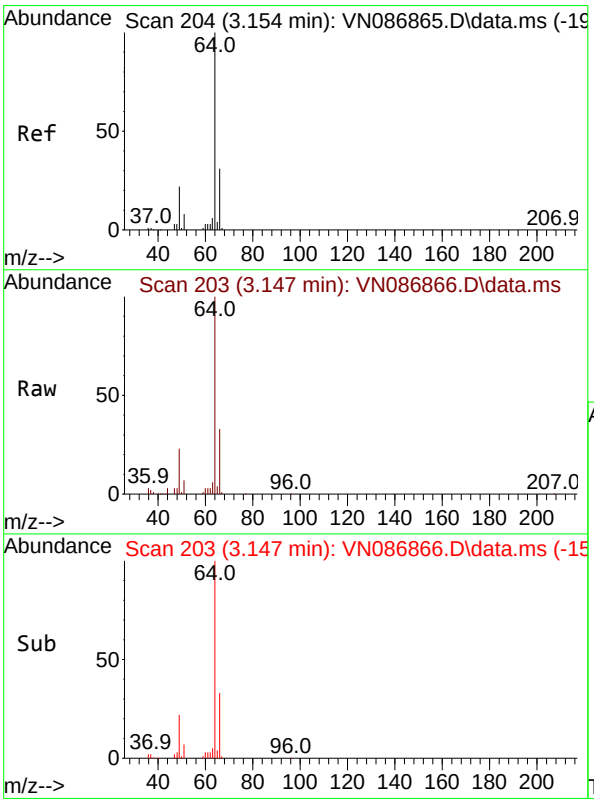
Ion	Ratio	Lower	Upper
94	100		
96	96.8	77.9	116.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

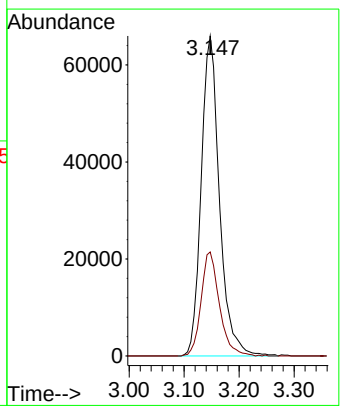
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

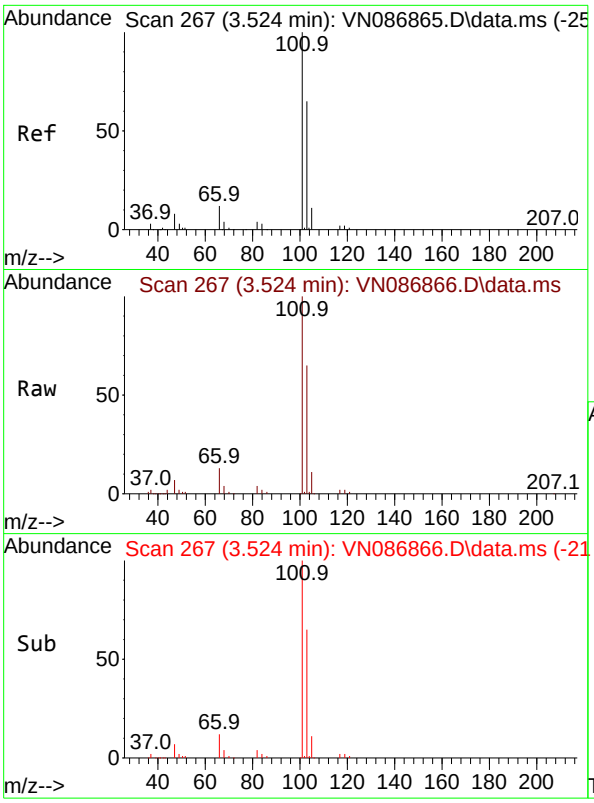


#6
Chloroethane
Concen: 97.447 ug/l
RT: 3.147 min Scan# 203
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 64 Resp: 152150

Ion	Ratio	Lower	Upper
64	100		
66	32.5	24.6	36.8

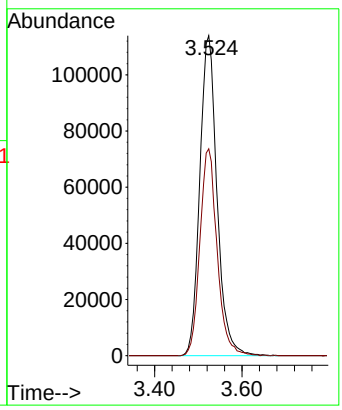




#7
Trichlorofluoromethane
Concen: 98.917 ug/l
RT: 3.524 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:101 Resp: 31239

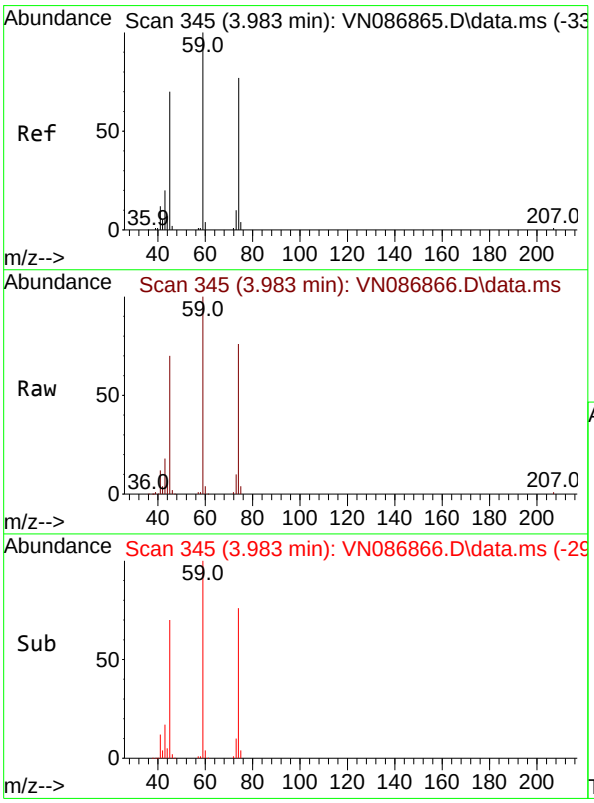
Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.2	78.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

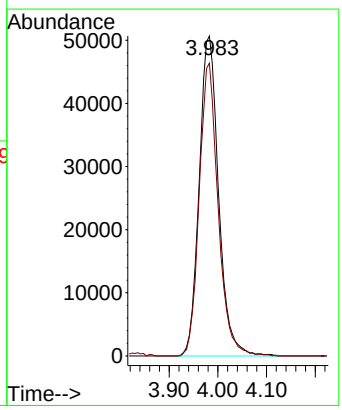
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

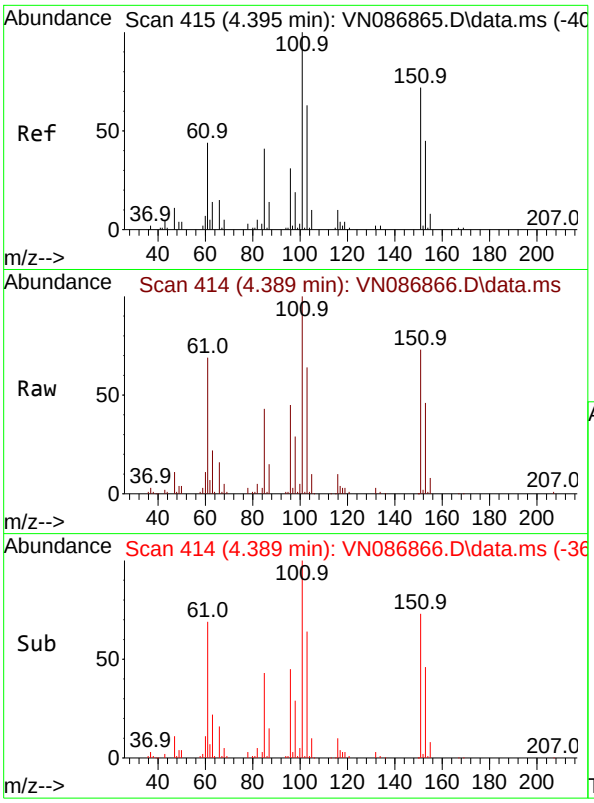


#8
Diethyl Ether
Concen: 101.631 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 74 Resp: 139844

Ion	Ratio	Lower	Upper
74	100		
45	89.5	45.5	136.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 100.163 ug/l
RT: 4.389 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

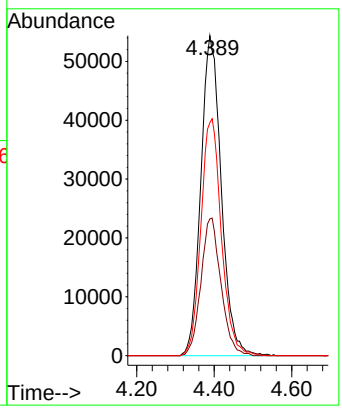
Tgt Ion:101 Resp: 19873

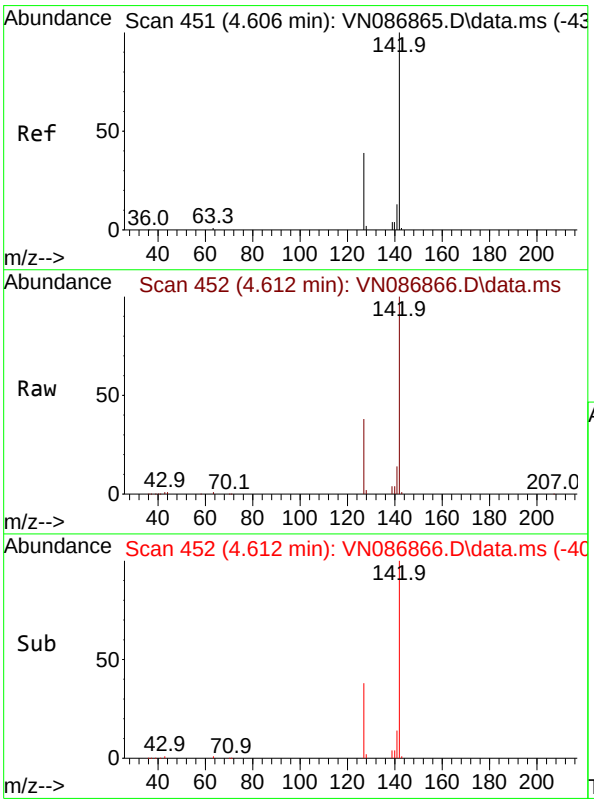
Ion	Ratio	Lower	Upper
101	100		
85	42.2	33.8	50.8
151	74.2	58.7	88.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

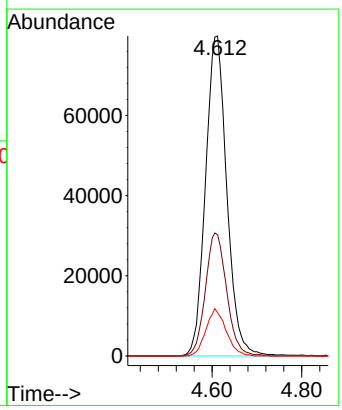


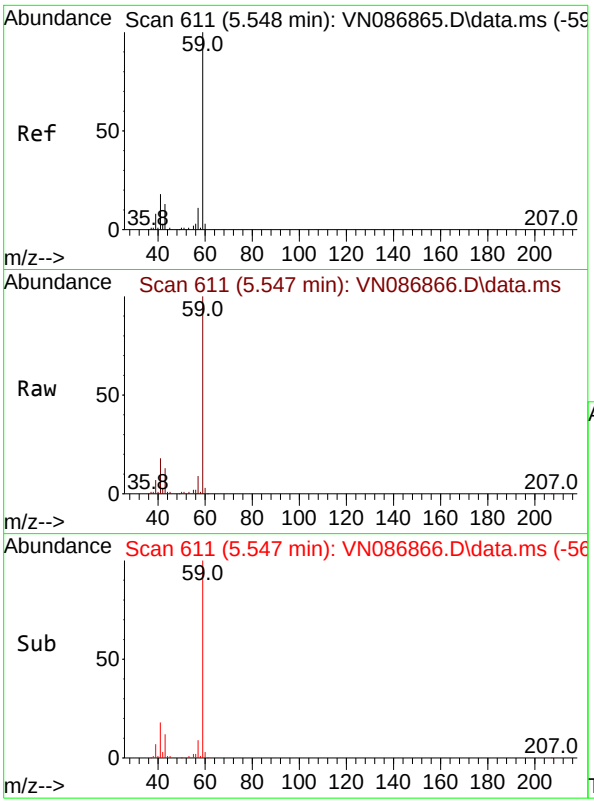


#10
Methyl Iodide
Concen: 102.162 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:142 Resp: 262771

Ion	Ratio	Lower	Upper
142	100		
127	37.9	30.9	46.3
141	13.6	10.4	15.6





#11
Tert butyl alcohol
Concen: 496.062 ug/l
RT: 5.547 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

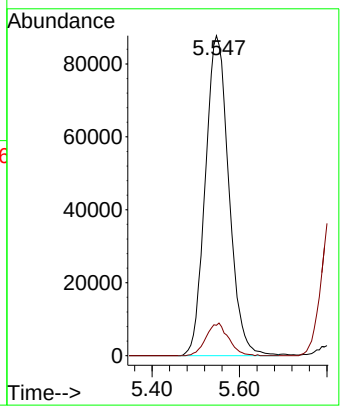
Tgt Ion: 59 Resp: 32798

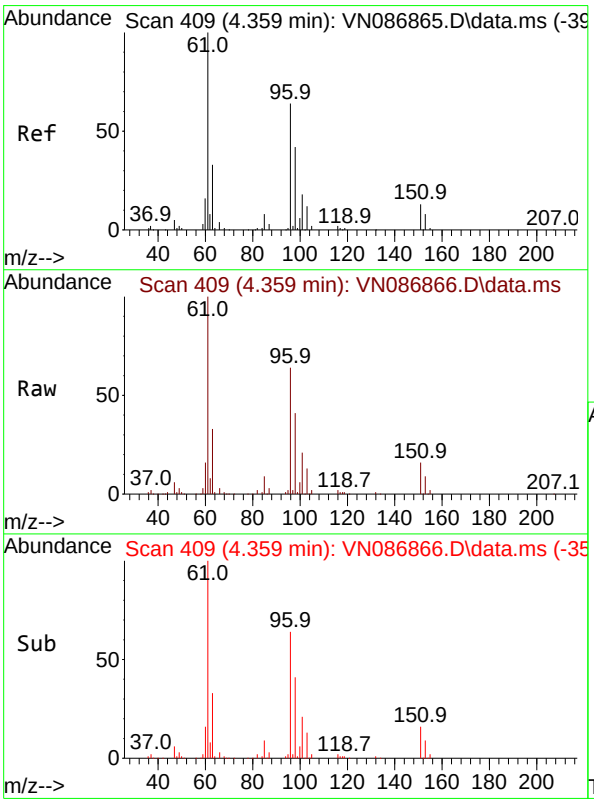
Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.1	12.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

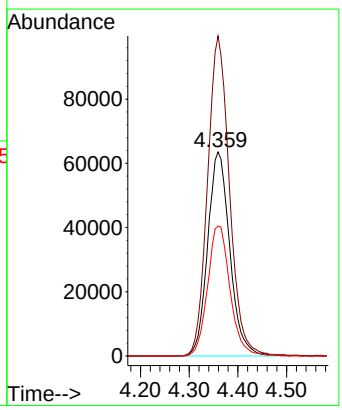


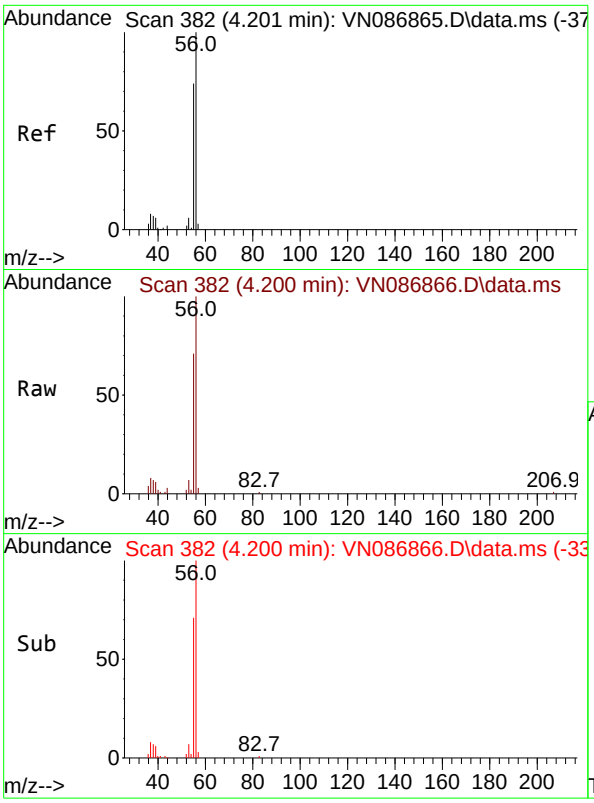


#12
1,1-Dichloroethene
Concen: 98.838 ug/l
RT: 4.359 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 96 Resp: 200212

Ion	Ratio	Lower	Upper
96	100		
61	156.9	125.8	188.6
98	63.7	52.5	78.7

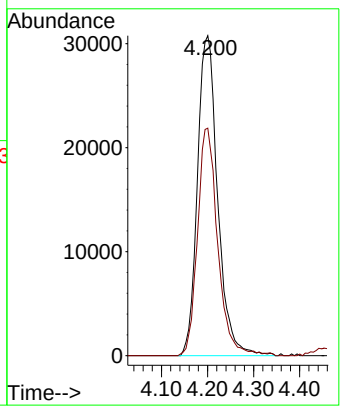




#13
Acrolein
Concen: 449.961 ug/l
RT: 4.200 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 56 Resp: 9417

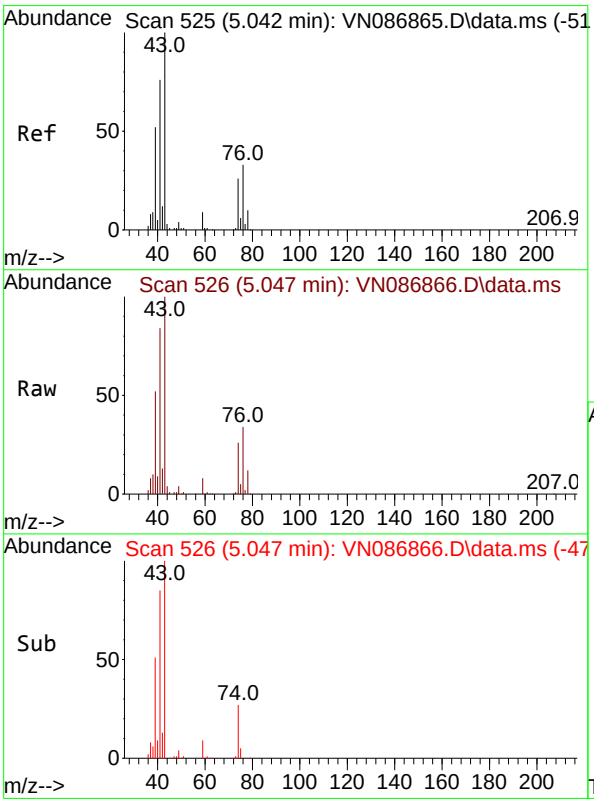
Ion	Ratio	Lower	Upper
56	100		
55	70.9	55.6	83.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

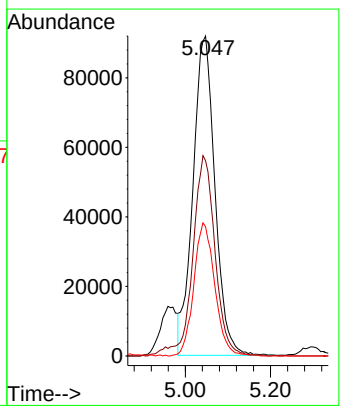
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

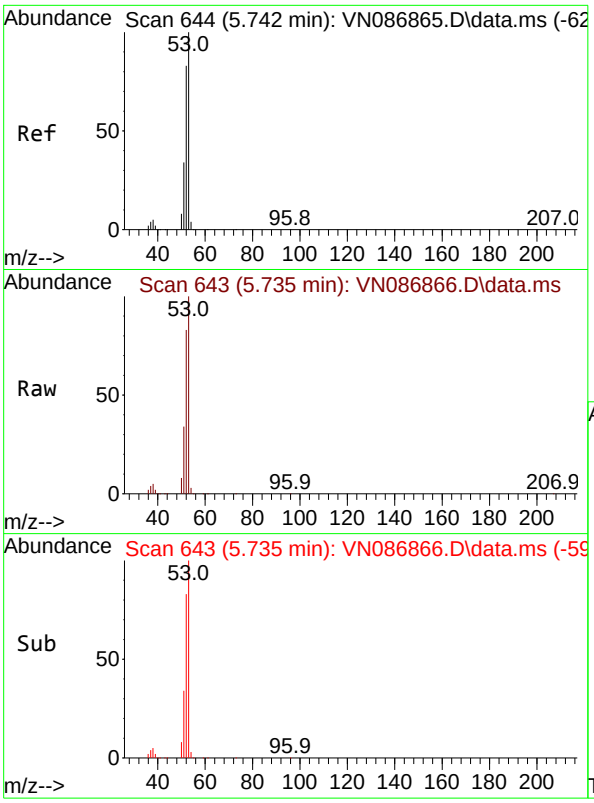


#14
Allyl chloride
Concen: 98.055 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 41 Resp: 329412

Ion	Ratio	Lower	Upper
41	100		
39	63.7	51.3	76.9
76	39.7	31.4	47.0

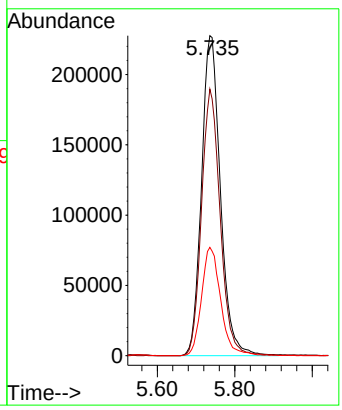




#15
Acrylonitrile
Concen: 498.552 ug/l
RT: 5.735 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 53 Resp: 77047

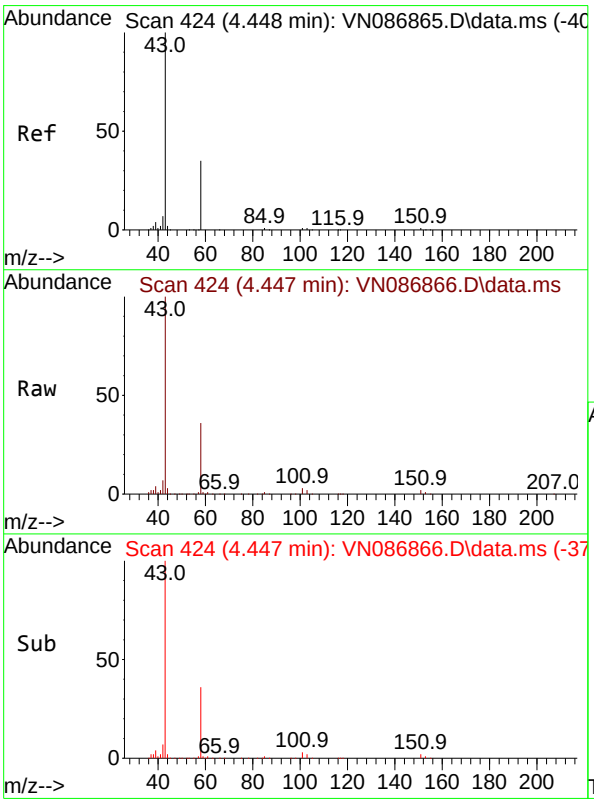
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.0	97.6
51	34.4	27.2	40.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

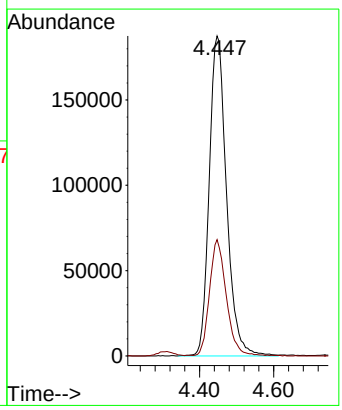
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

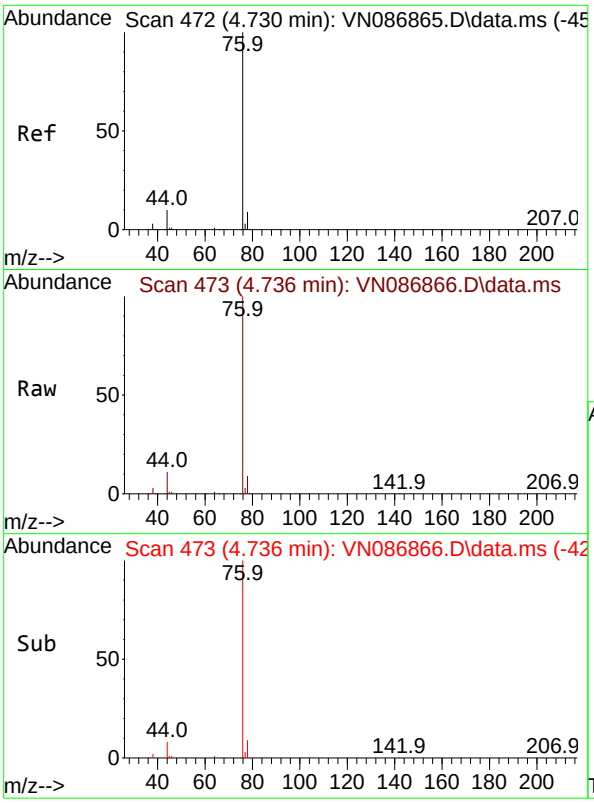


#16
Acetone
Concen: 470.648 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 43 Resp: 608178

Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.0	42.0

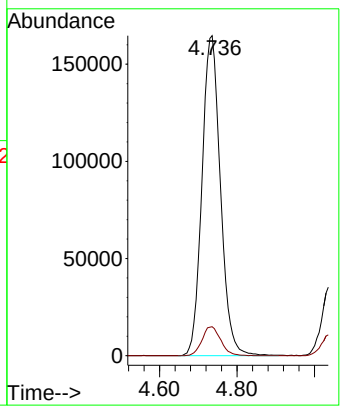




#17
Carbon Disulfide
Concen: 97.179 ug/l
RT: 4.736 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 76 Resp: 54451

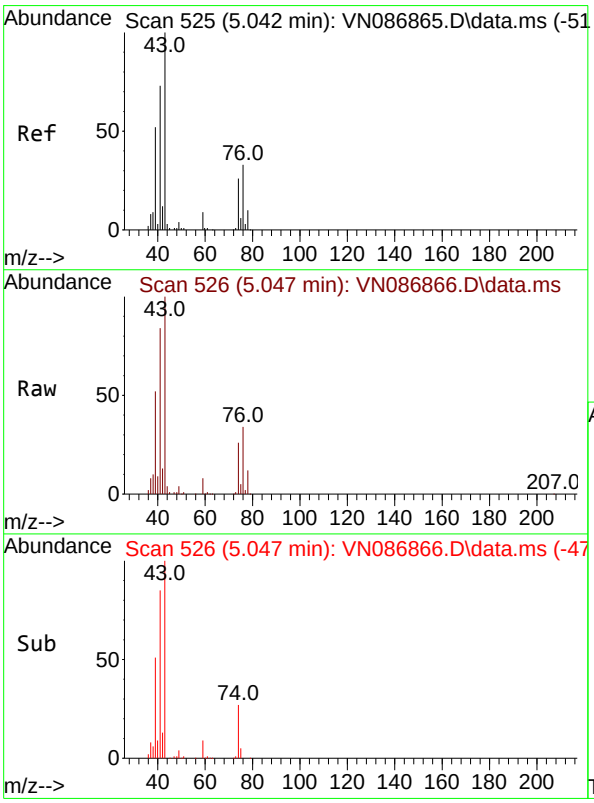
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

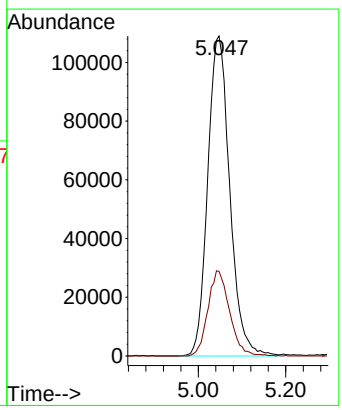
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

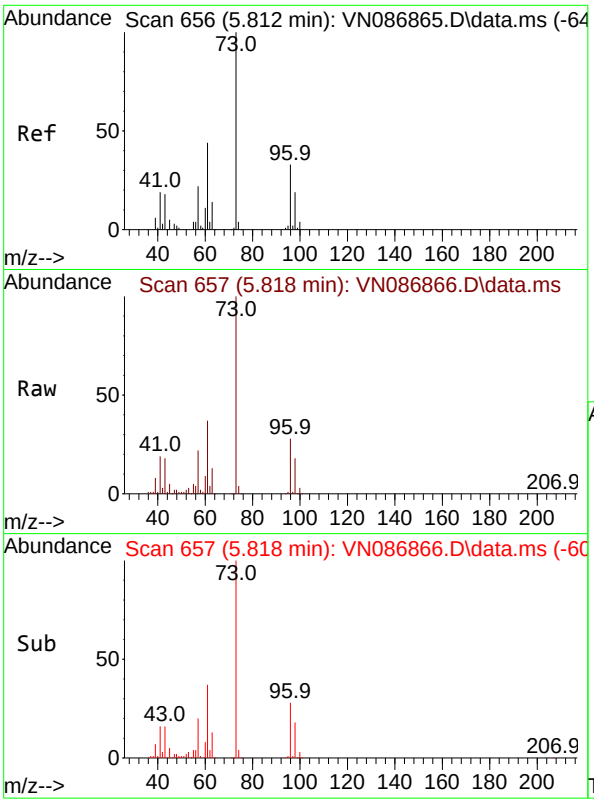


#18
Methyl Acetate
Concen: 101.390 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 43 Resp: 381808

Ion	Ratio	Lower	Upper
43	100		
74	26.1	20.7	31.1

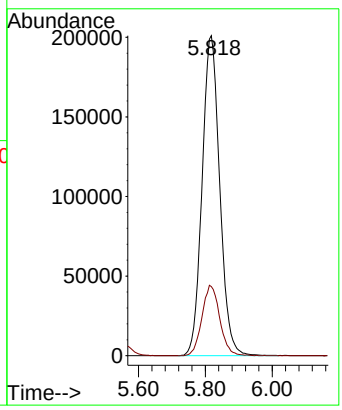




#19
Methyl tert-butyl Ether
Concen: 100.306 ug/l
RT: 5.818 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 73 Resp: 73569

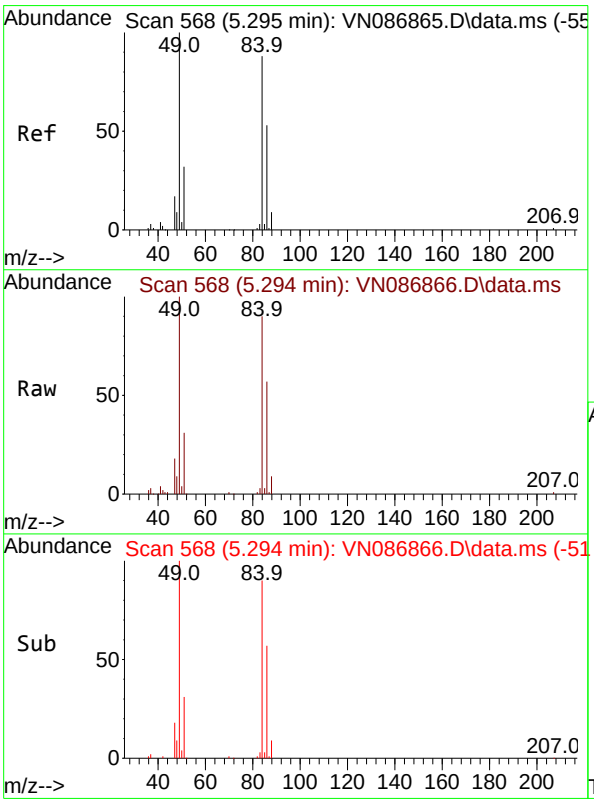
Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

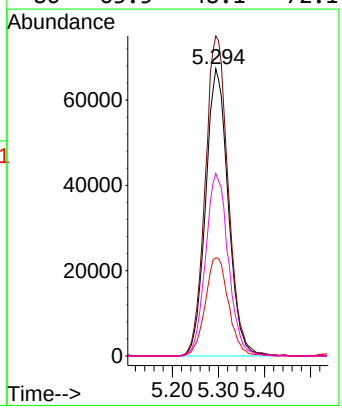
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

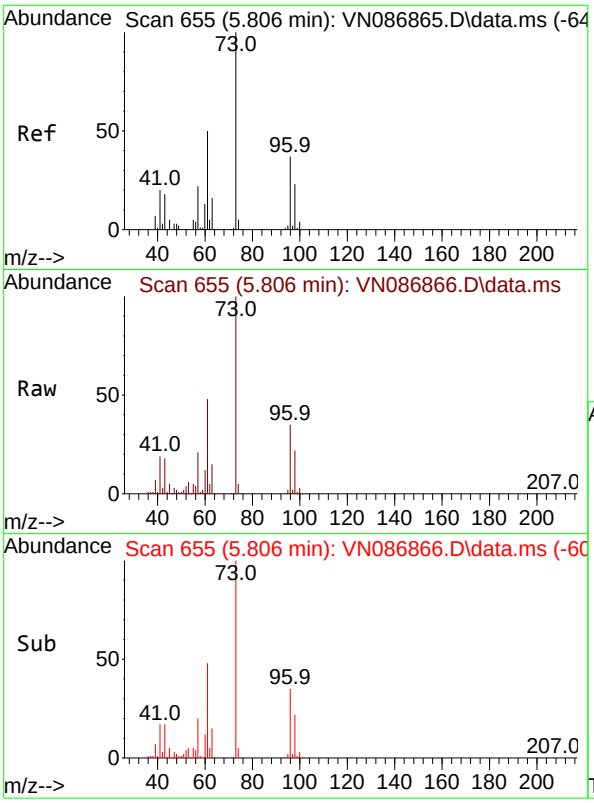


#20
Methylene Chloride
Concen: 94.575 ug/l
RT: 5.294 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 84 Resp: 228800

Ion	Ratio	Lower	Upper
84	100		
49	111.4	90.5	135.7
51	34.2	28.5	42.7
86	63.5	48.1	72.1

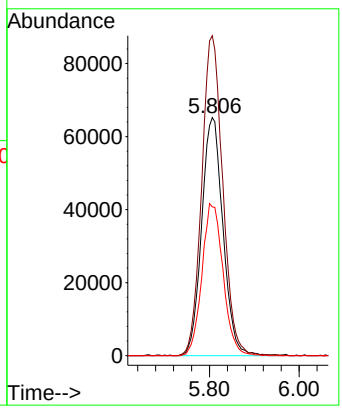




#21
trans-1,2-Dichloroethene
Concen: 95.476 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 96 Resp: 21517

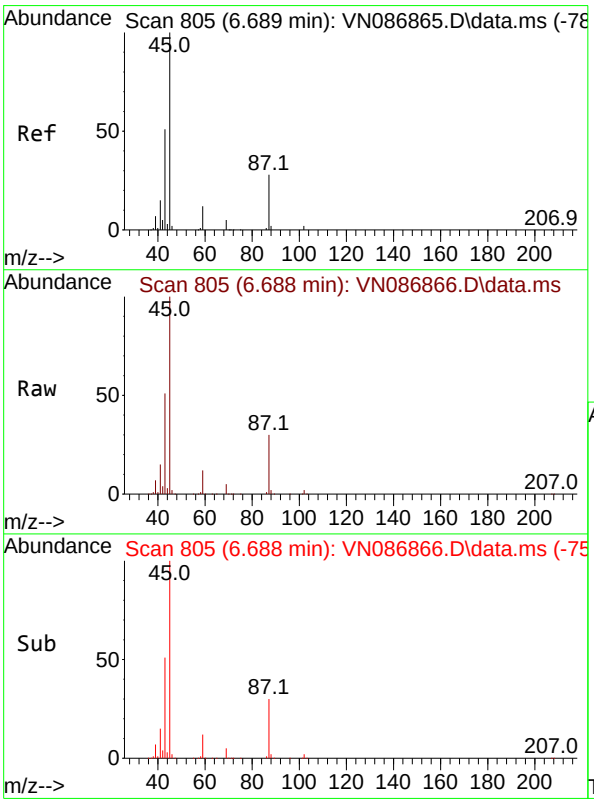
Ion	Ratio	Lower	Upper
96	100		
61	134.4	109.2	163.8
98	62.5	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

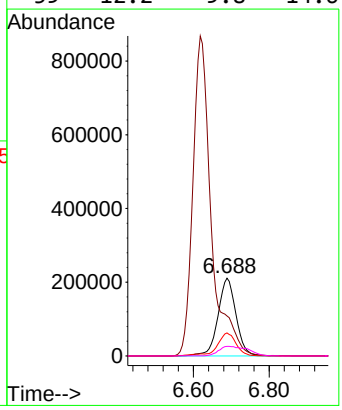
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

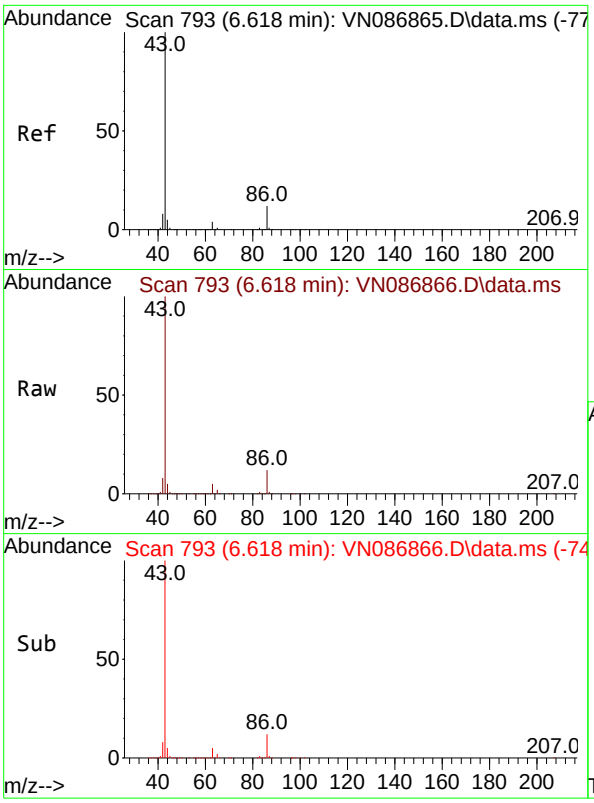


#22
Diisopropyl ether
Concen: 98.409 ug/l
RT: 6.688 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 45 Resp: 696881

Ion	Ratio	Lower	Upper
45	100		
43	51.1	41.9	62.9
87	29.6	22.4	33.6
59	12.2	9.8	14.6





#23
Vinyl Acetate
Concen: 487.936 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

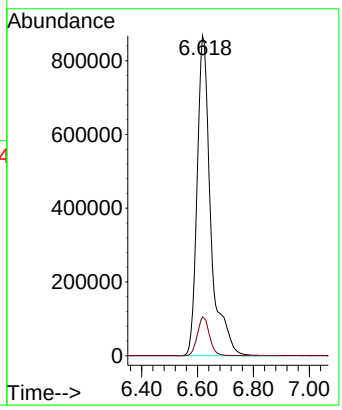
Tgt Ion: 43 Resp: 291935

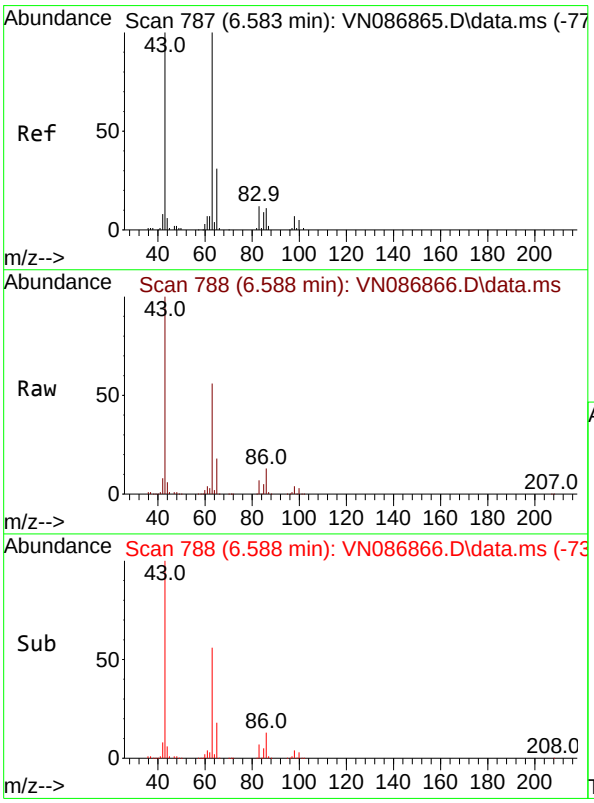
Ion	Ratio	Lower	Upper
43	100		
86	12.1	9.5	14.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

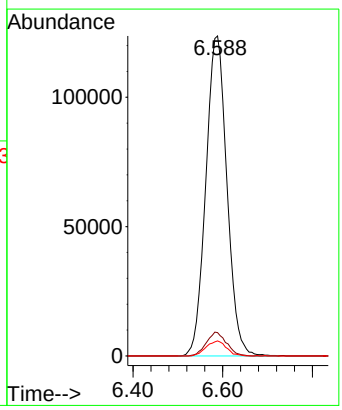


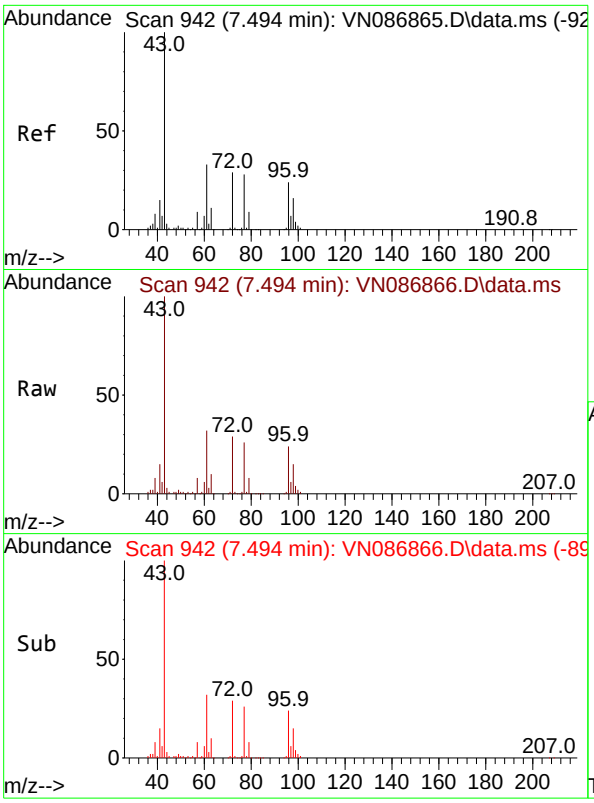


#24
1,1-Dichloroethane
Concen: 99.186 ug/l
RT: 6.588 min Scan# 788
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 63 Resp: 404207

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.6	10.8
100	4.7	2.6	7.8





#25
2-Butanone
Concen: 496.743 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

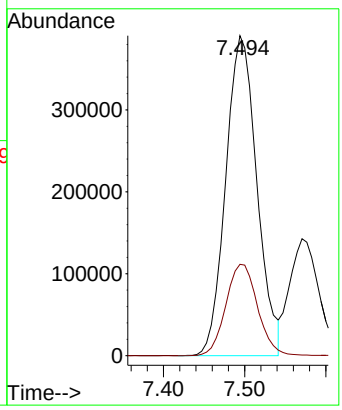
Tgt Ion: 43 Resp: 104338

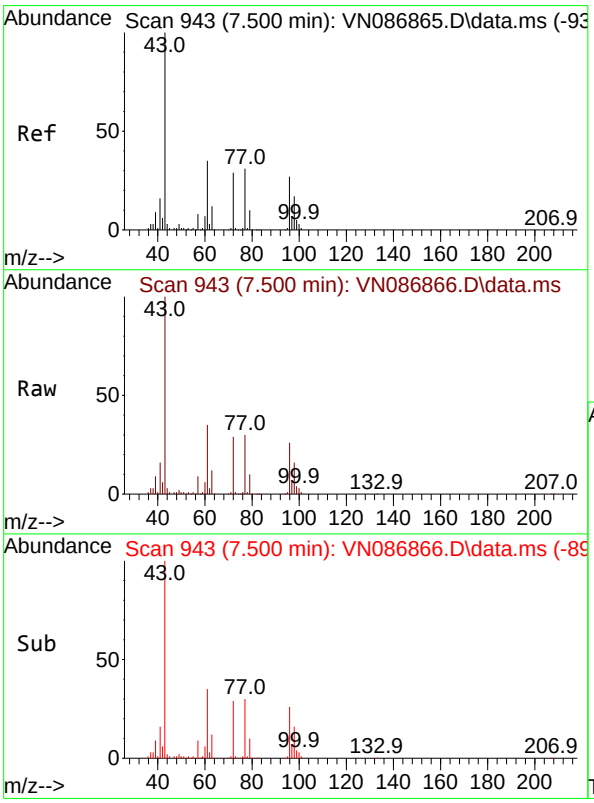
Ion	Ratio	Lower	Upper
43	100		
72	28.5	23.0	34.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

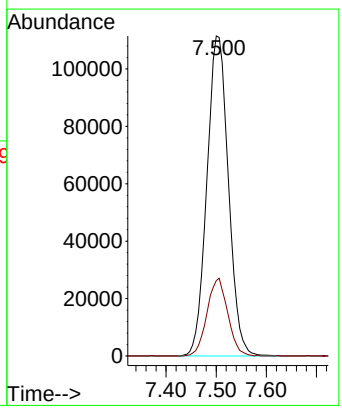


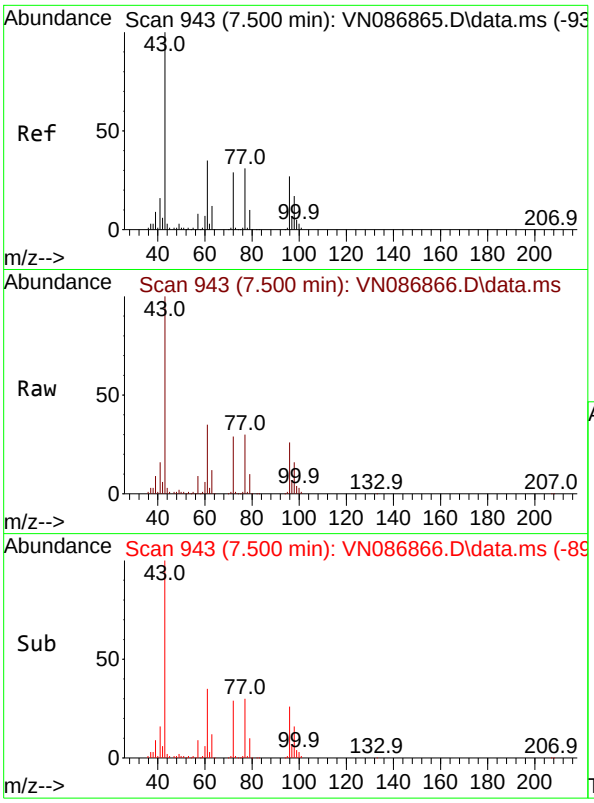


#26
2,2-Dichloropropane
Concen: 104.729 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 77 Resp: 331995

Ion	Ratio	Lower	Upper
77	100		
97	23.4	11.6	34.7





#27
cis-1,2-Dichloroethene
Concen: 98.410 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

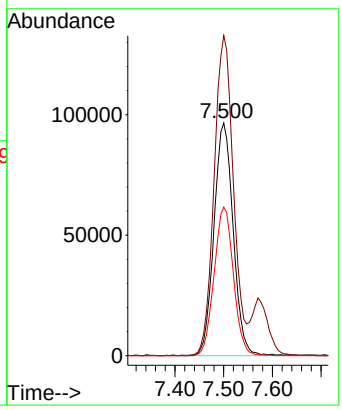
Tgt Ion: 96 Resp: 26524

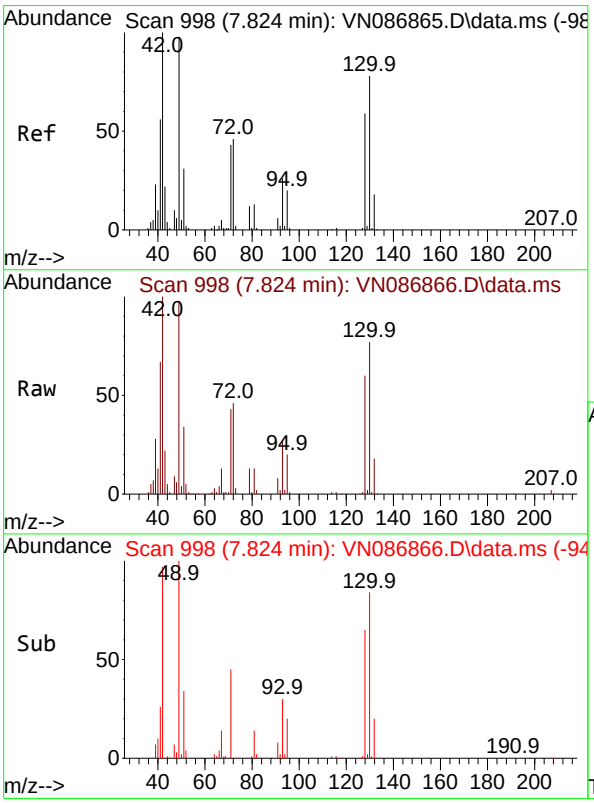
Ion	Ratio	Lower	Upper
96	100		
61	137.9	0.0	278.0
98	64.0	0.0	128.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

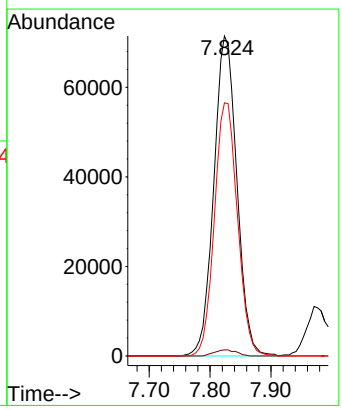


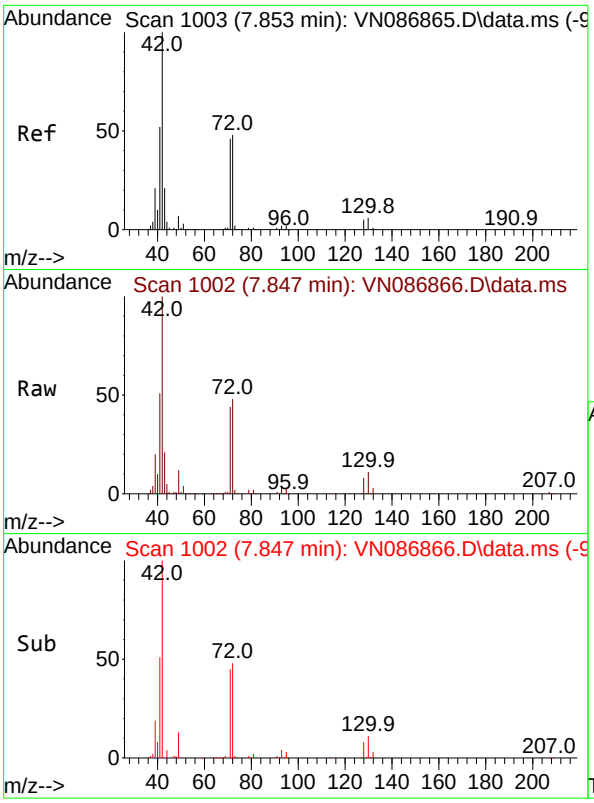


#28
Bromochloromethane
Concen: 93.851 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 49 Resp: 188050

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	78.9	62.2	93.2

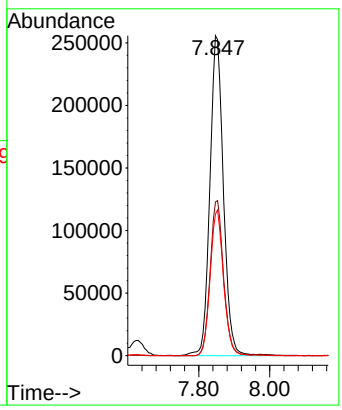




#29
Tetrahydrofuran
Concen: 495.240 ug/l
RT: 7.847 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 42 Resp: 67763

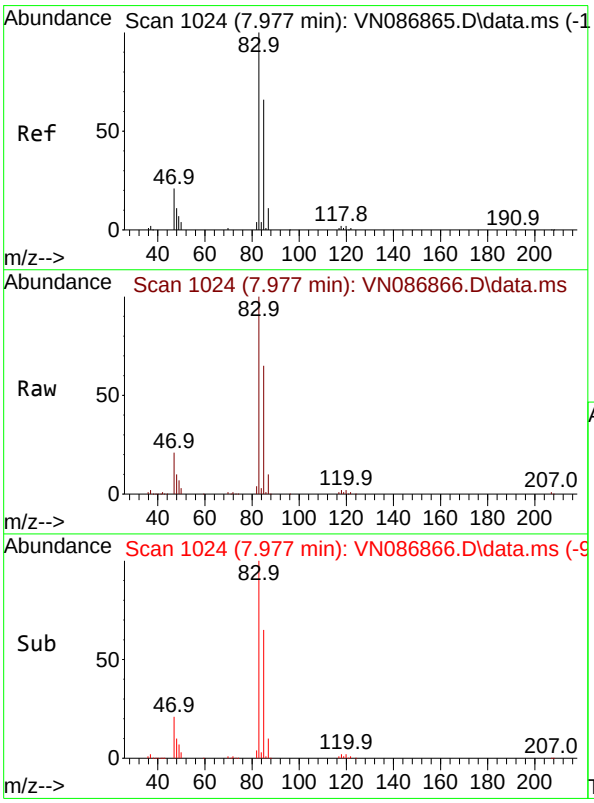
Ion	Ratio	Lower	Upper
42	100		
72	47.9	37.8	56.6
71	44.8	35.6	53.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

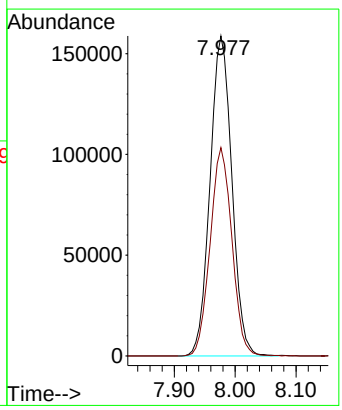
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

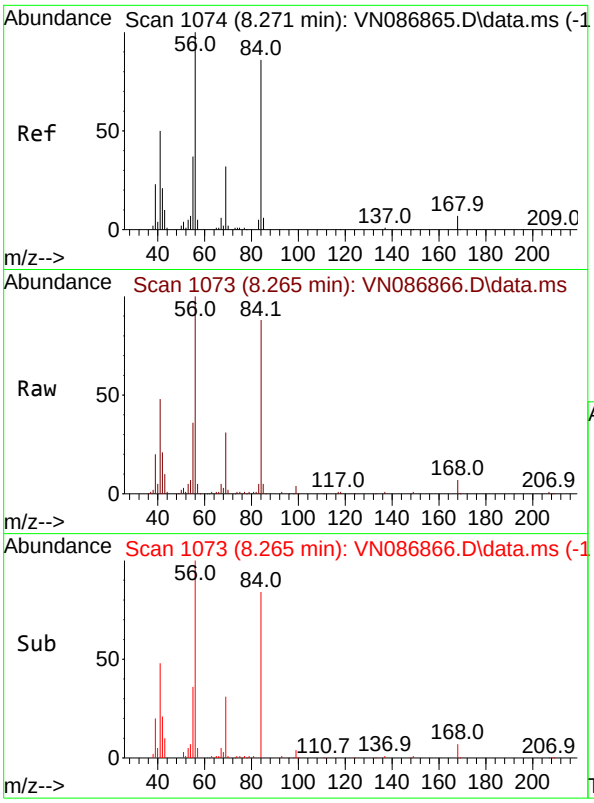


#30
Chloroform
Concen: 97.040 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 83 Resp: 394927

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.9	79.3

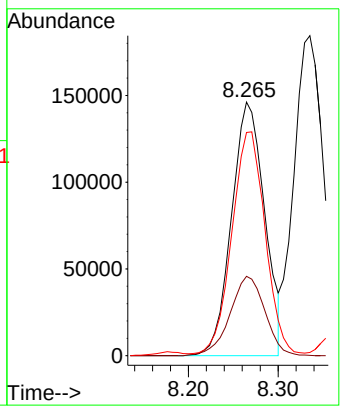




#31
Cyclohexane
Concen: 94.869 ug/l
RT: 8.265 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 56 Resp: 37493

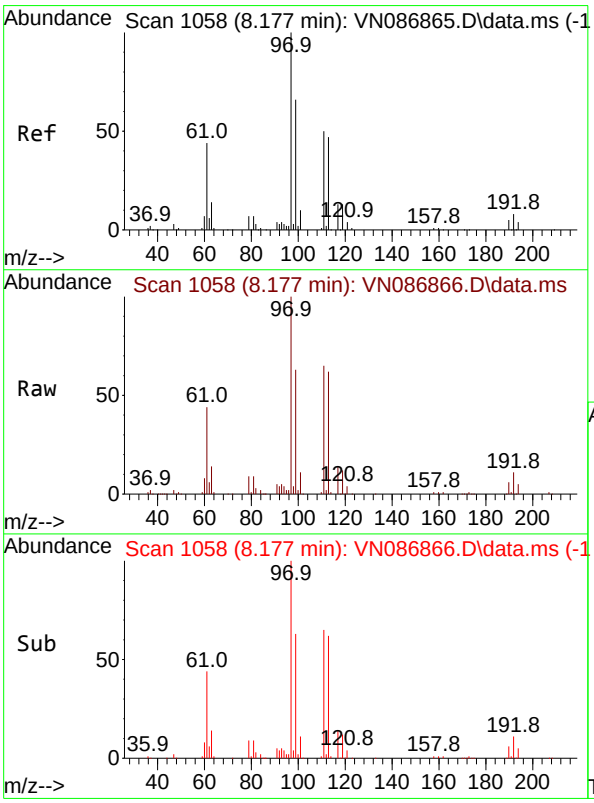
Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.4	38.0
84	86.8	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

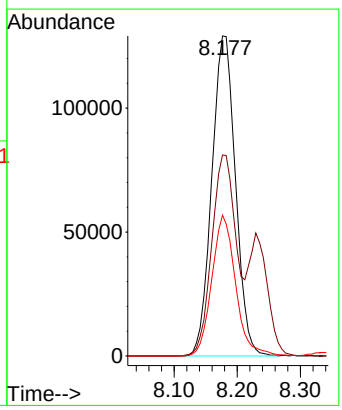
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

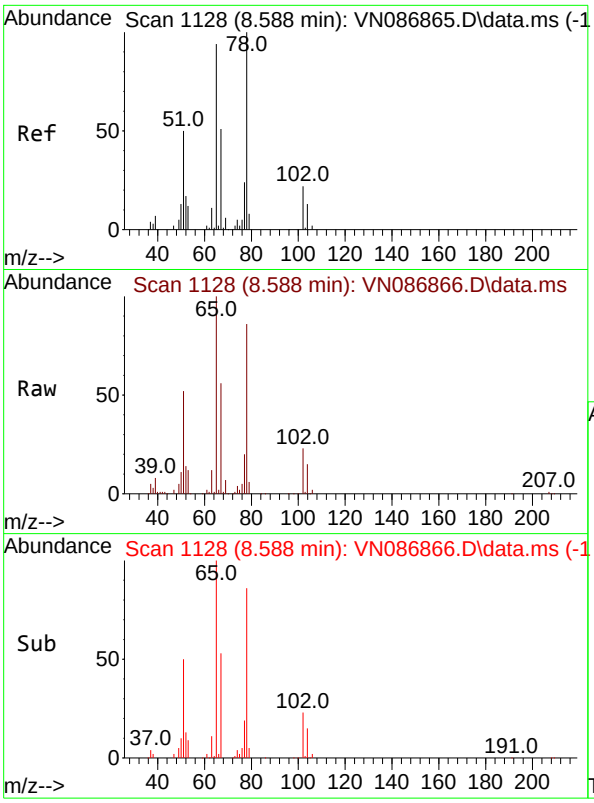


#32
1,1,1-Trichloroethane
Concen: 97.306 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 97 Resp: 336819

Ion	Ratio	Lower	Upper
97	100		
99	65.7	52.0	78.0
61	44.2	35.9	53.9





#33
1,2-Dichloroethane-d4
Concen: 98.065 ug/l
RT: 8.588 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

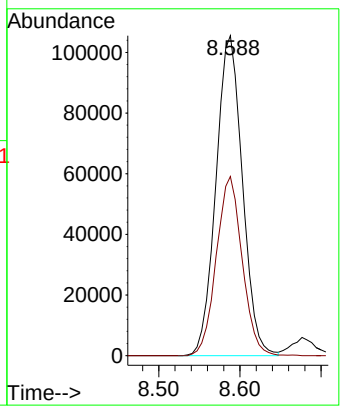
Tgt Ion: 65 Resp: 23895

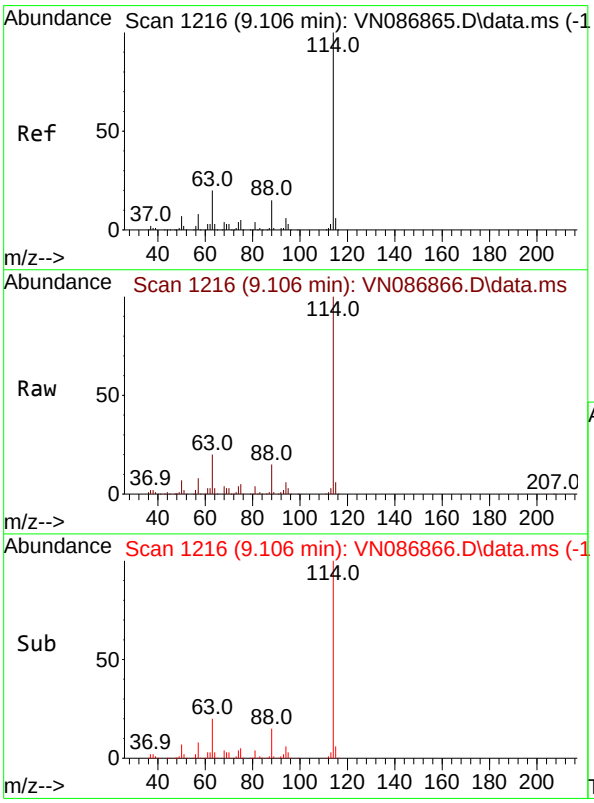
Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	105.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

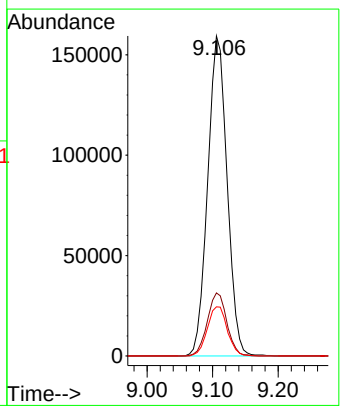


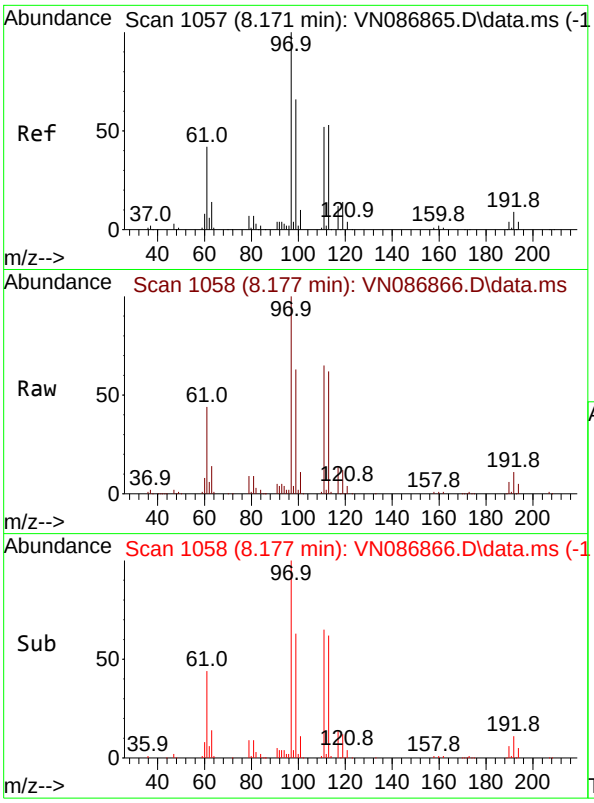


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:114 Resp: 327782

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.6
88	15.4	0.0	30.2

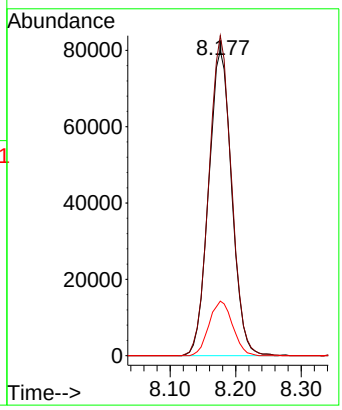




#35
Dibromofluoromethane
Concen: 100.495 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:113 Resp: 19521

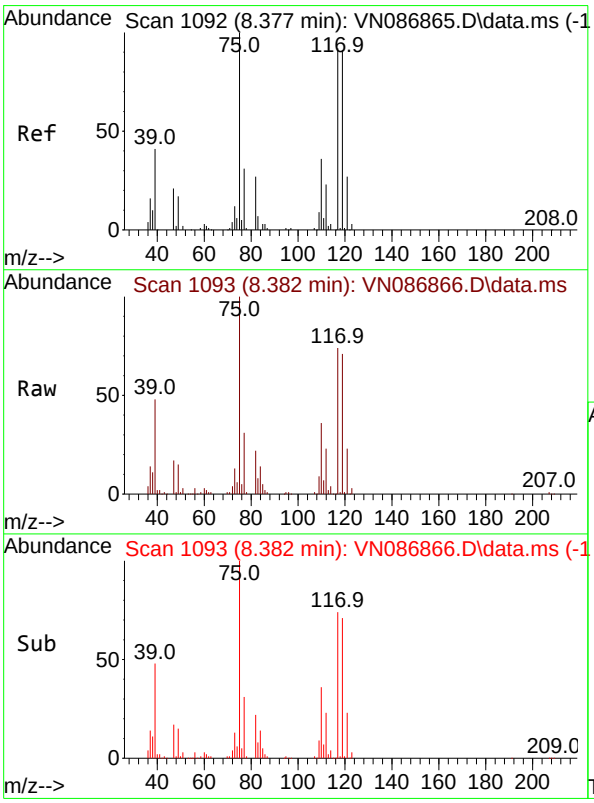
Ion	Ratio	Lower	Upper
113	100		
111	102.9	84.2	126.2
192	18.2	14.2	21.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

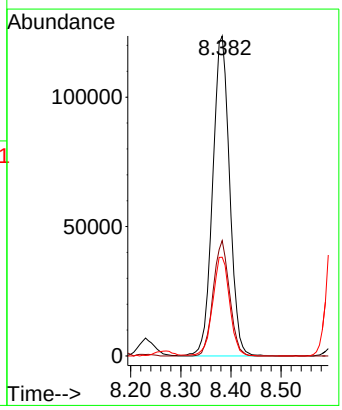
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

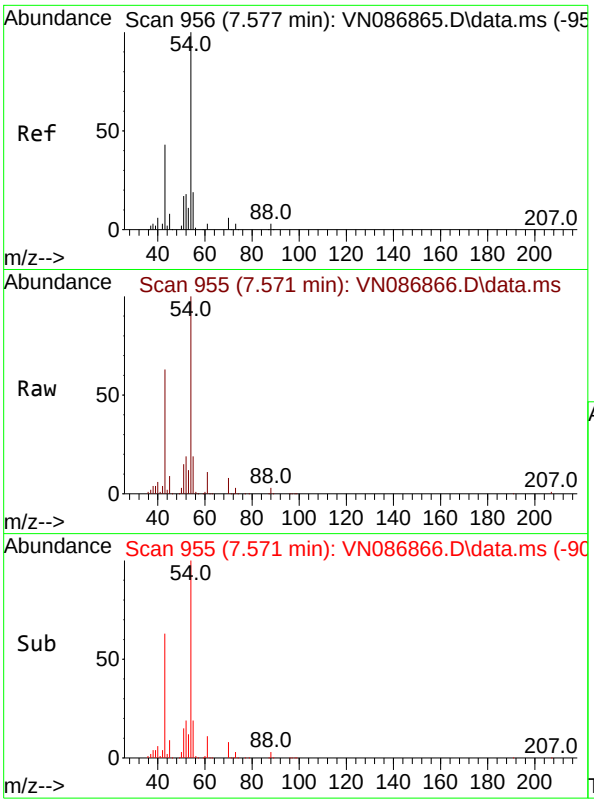


#36
1,1-Dichloropropene
Concen: 100.156 ug/l
RT: 8.382 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 75 Resp: 289907

Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.6	52.9
77	31.1	25.3	37.9

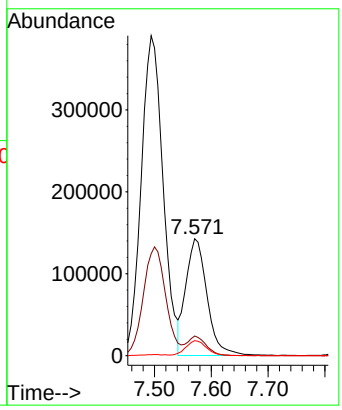




#37
Ethyl Acetate
Concen: 100.591 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 43 Resp: 37065

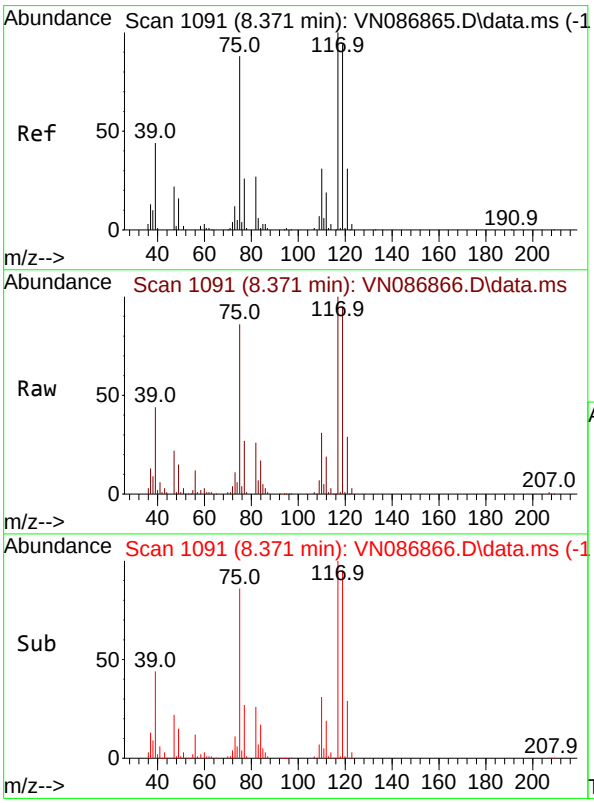
Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.1	18.1
70	12.6	9.8	14.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

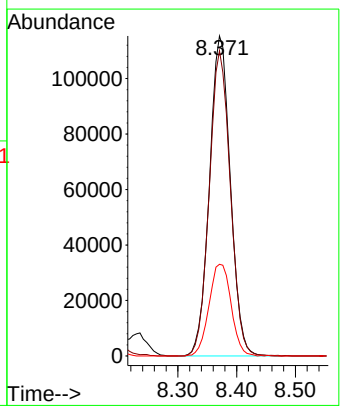
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

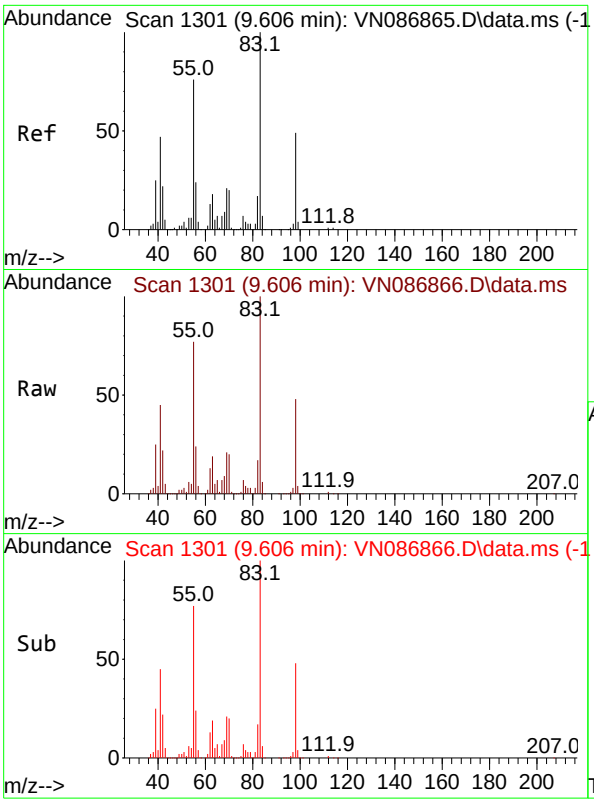


#38
Carbon Tetrachloride
Concen: 100.404 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:117 Resp: 285325

Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.0	112.6
121	28.6	24.9	37.3





#39
Methylcyclohexane
Concen: 99.758 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

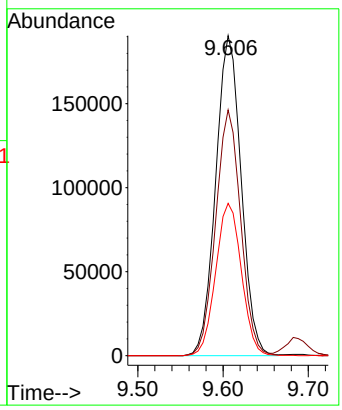
Tgt Ion: 83 Resp: 39560

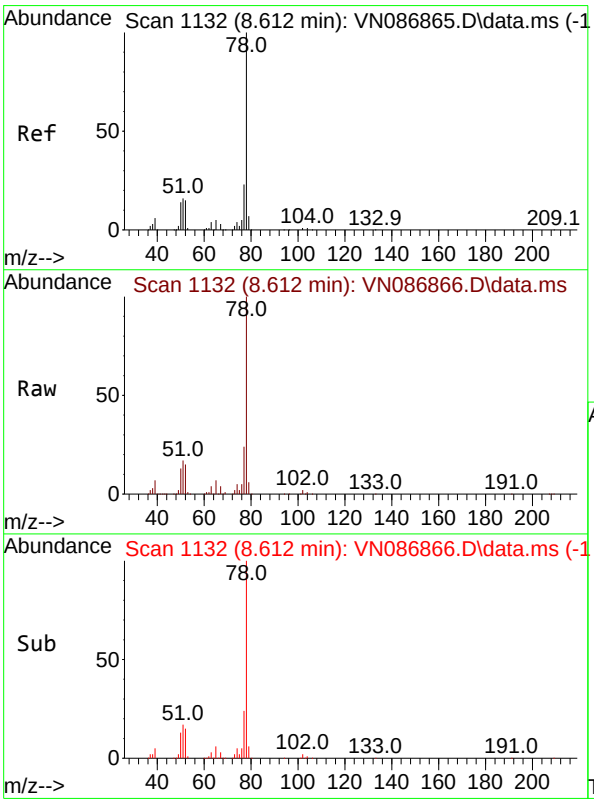
Ion	Ratio	Lower	Upper
83	100		
55	76.8	61.0	91.6
98	47.6	38.9	58.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

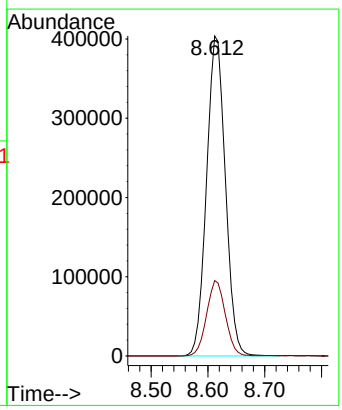


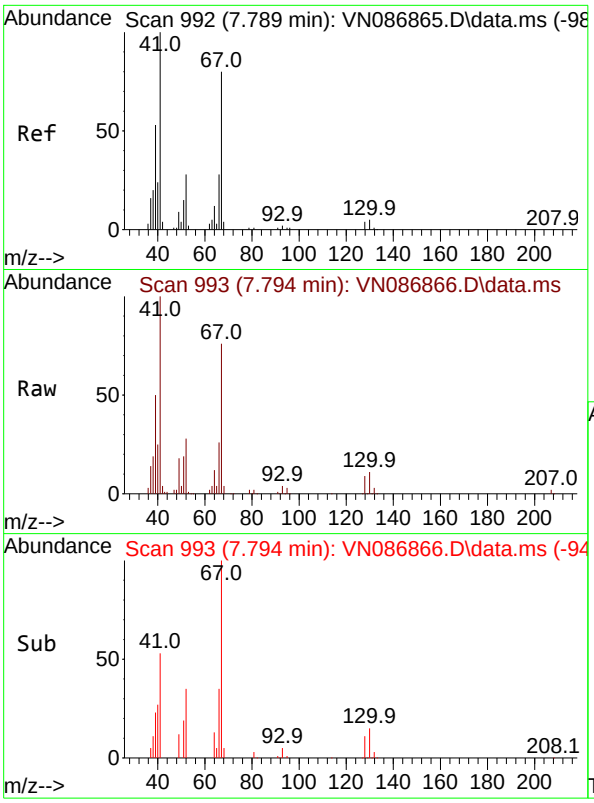


#40
Benzene
Concen: 97.946 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 78 Resp: 927083

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.7	28.1

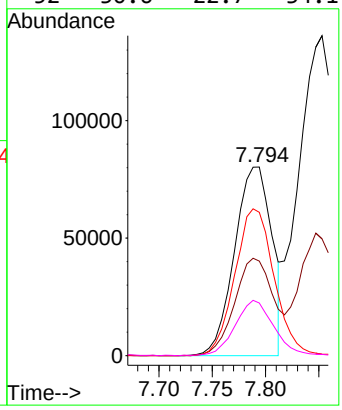




#41
Methacrylonitrile
Concen: 94.688 ug/l
RT: 7.794 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 41 Resp: 19594

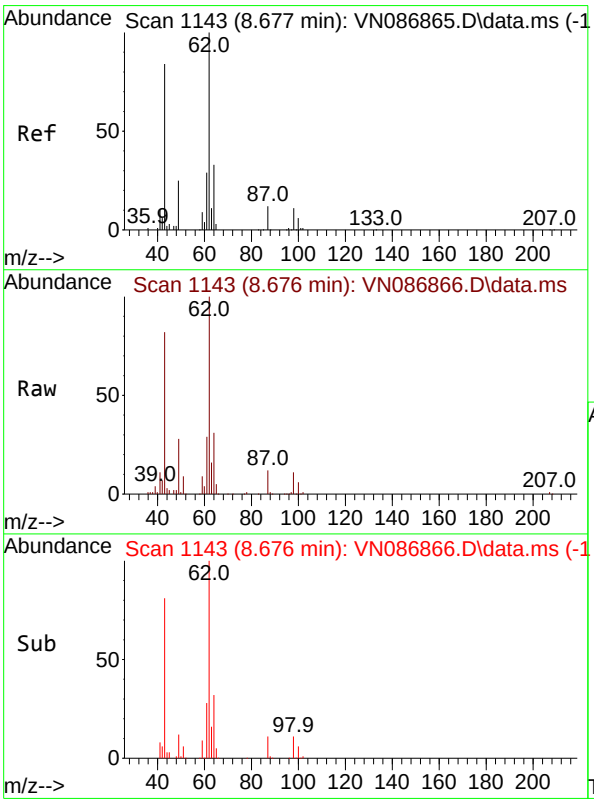
Ion	Ratio	Lower	Upper
41	100		
39	54.3	41.2	61.8
67	82.5	61.4	92.2
52	30.6	22.7	34.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

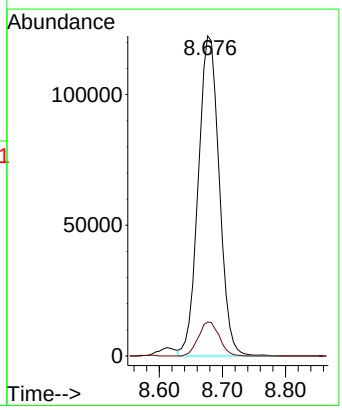
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

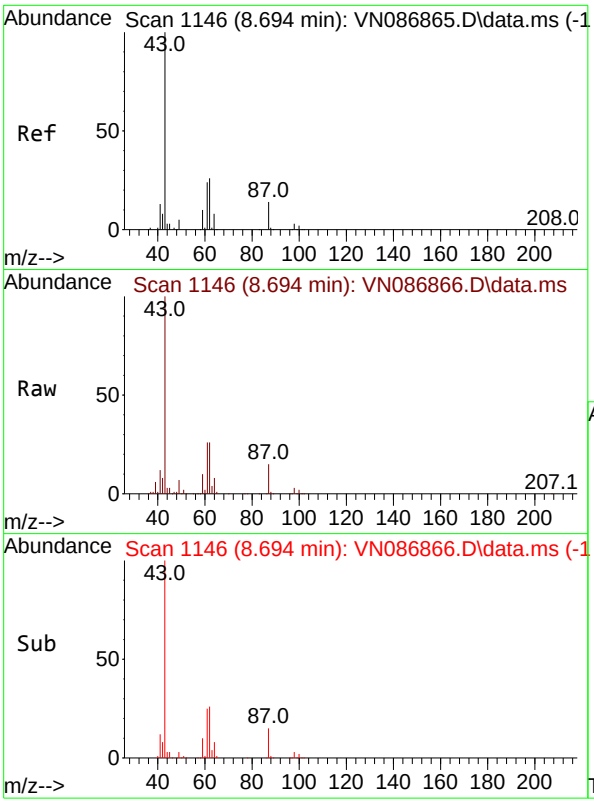


#42
1,2-Dichloroethane
Concen: 98.232 ug/l
RT: 8.676 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 62 Resp: 282015

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.2





#43
Isopropyl Acetate
Concen: 97.981 ug/l
RT: 8.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

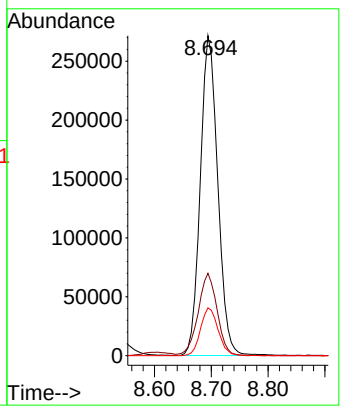
Tgt Ion: 43 Resp: 57946

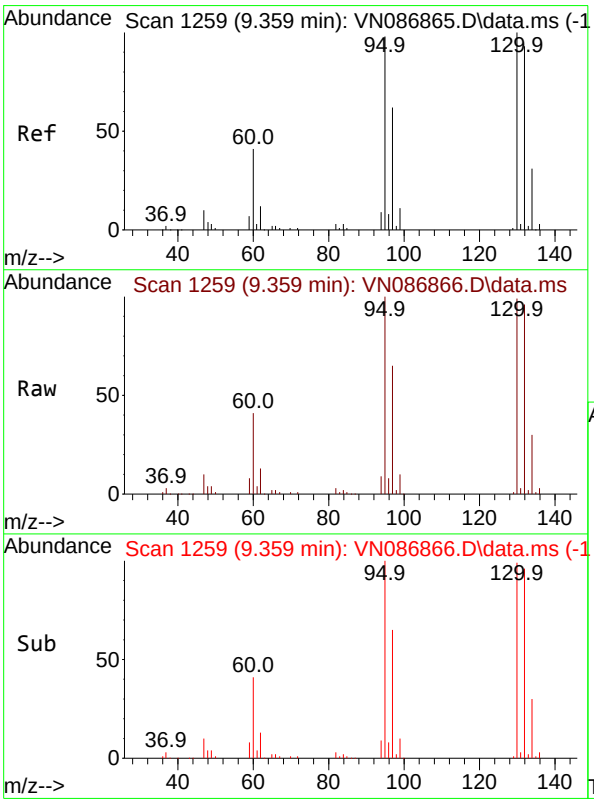
Ion	Ratio	Lower	Upper
43	100		
61	28.1	22.1	33.1
87	15.0	11.8	17.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

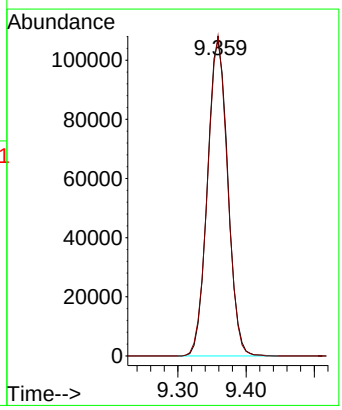


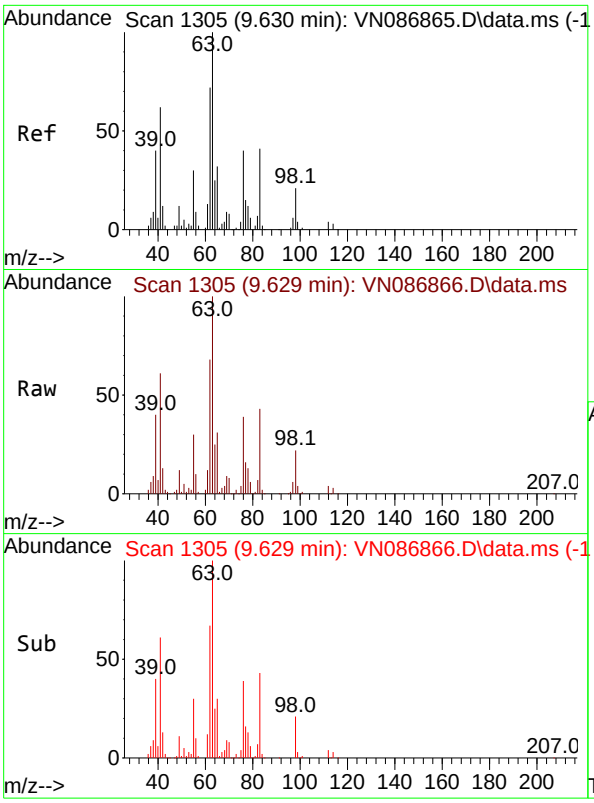


#44
Trichloroethene
Concen: 99.280 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:130 Resp: 222822

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	196.2

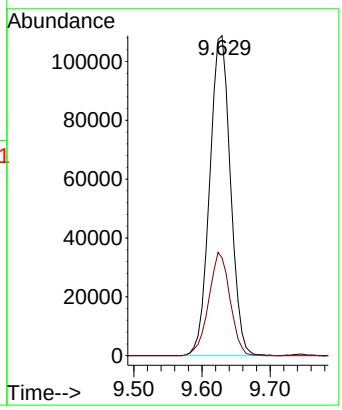




#45
1,2-Dichloropropane
Concen: 100.077 ug/l
RT: 9.629 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 63 Resp: 23045

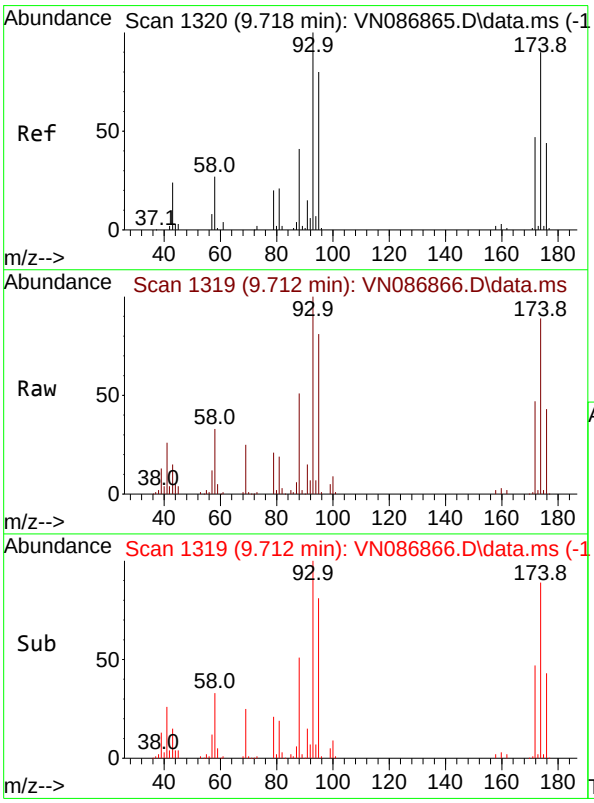
Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

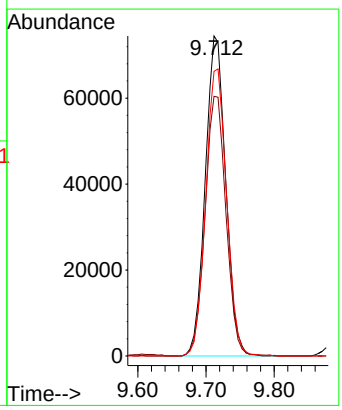
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

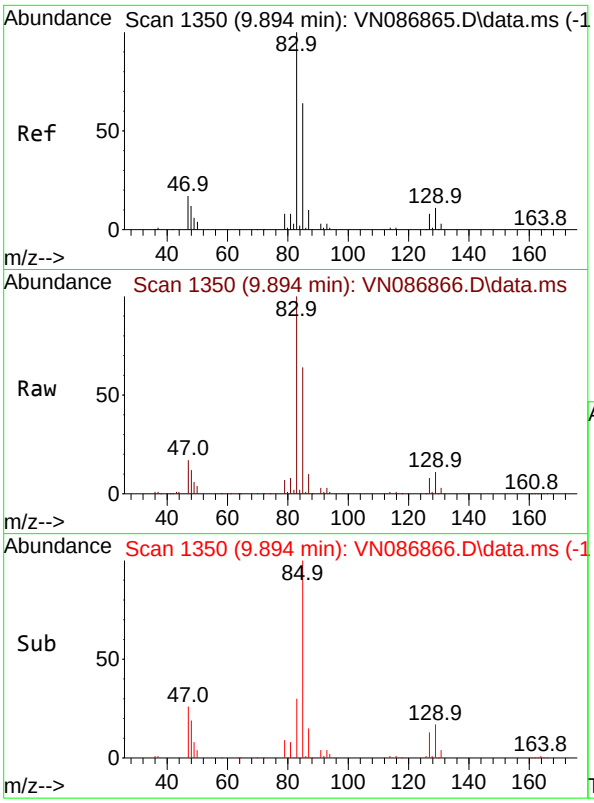


#46
Dibromomethane
Concen: 101.685 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 93 Resp: 155530

Ion	Ratio	Lower	Upper
93	100		
95	82.9	67.1	100.7
174	91.6	74.2	111.4

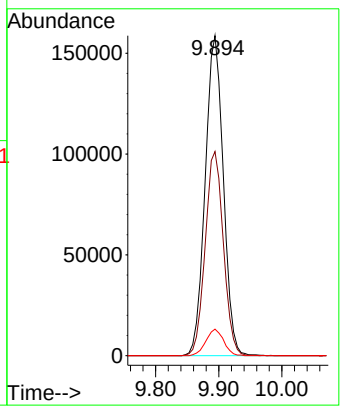




#47
Bromodichloromethane
Concen: 100.533 ug/l
RT: 9.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 83 Resp: 31637

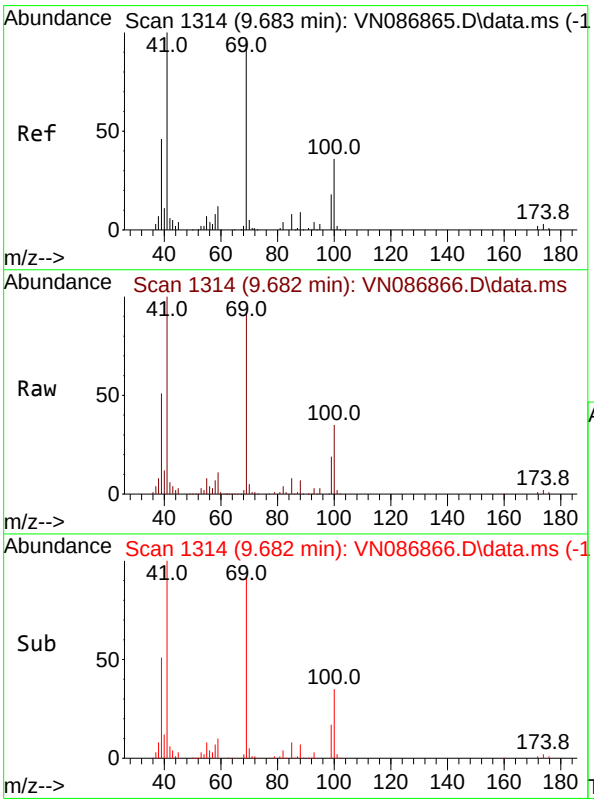
Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.9	76.3
127	8.3	6.6	10.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

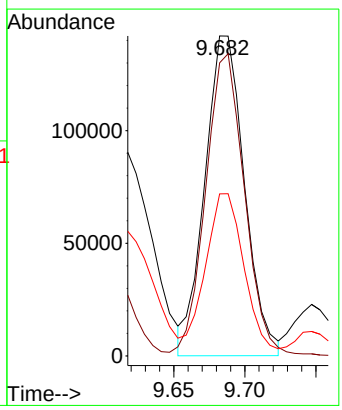
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

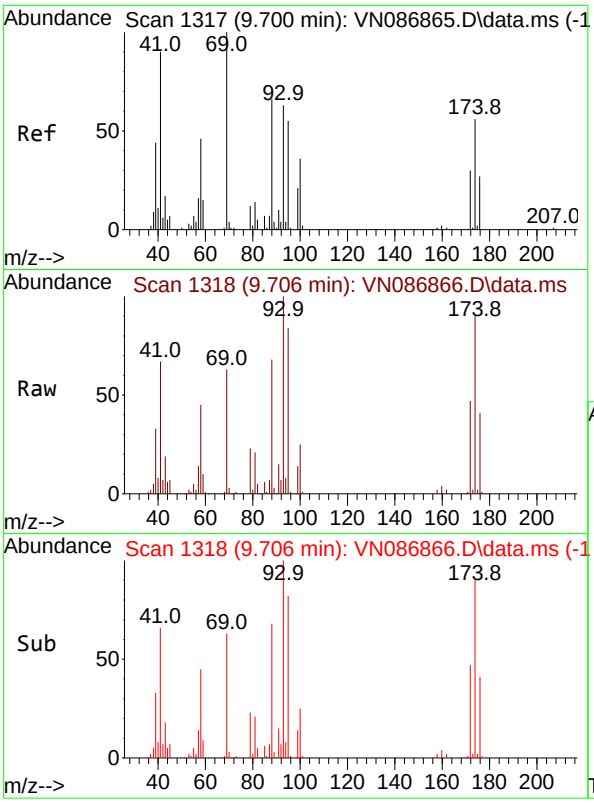


#48
Methyl methacrylate
Concen: 101.288 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 41 Resp: 275710

Ion	Ratio	Lower	Upper
41	100		
69	92.4	74.6	112.0
39	50.1	40.2	60.4





#49
1,4-Dioxane
Concen: 2115.744 ug/l
RT: 9.706 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

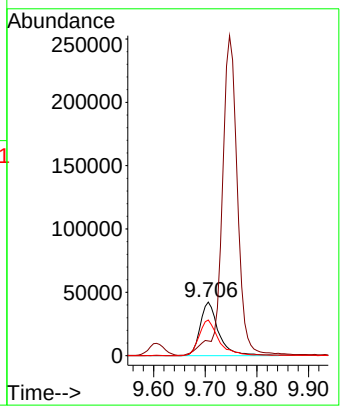
Tgt Ion: 88 Resp: 10477

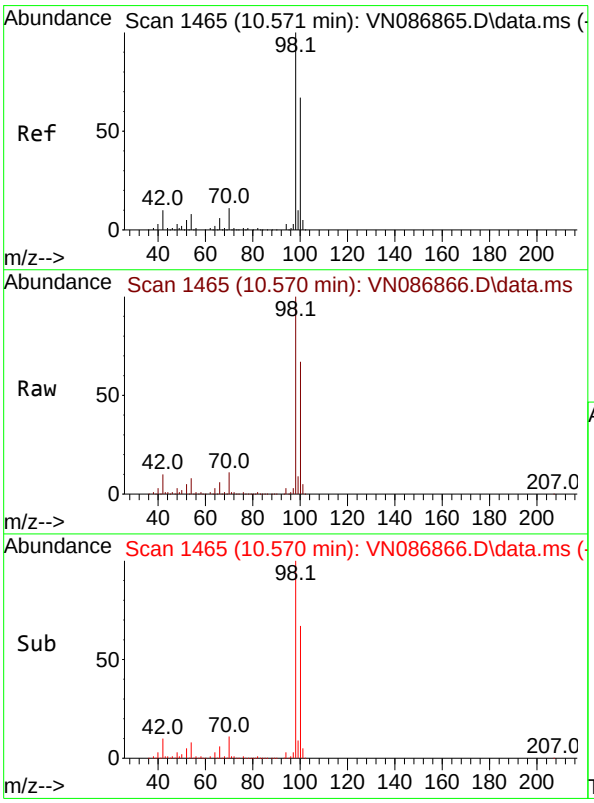
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	71.5	57.7	86.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

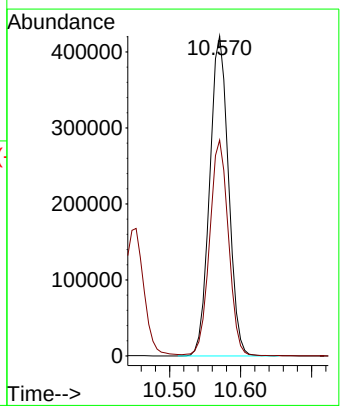


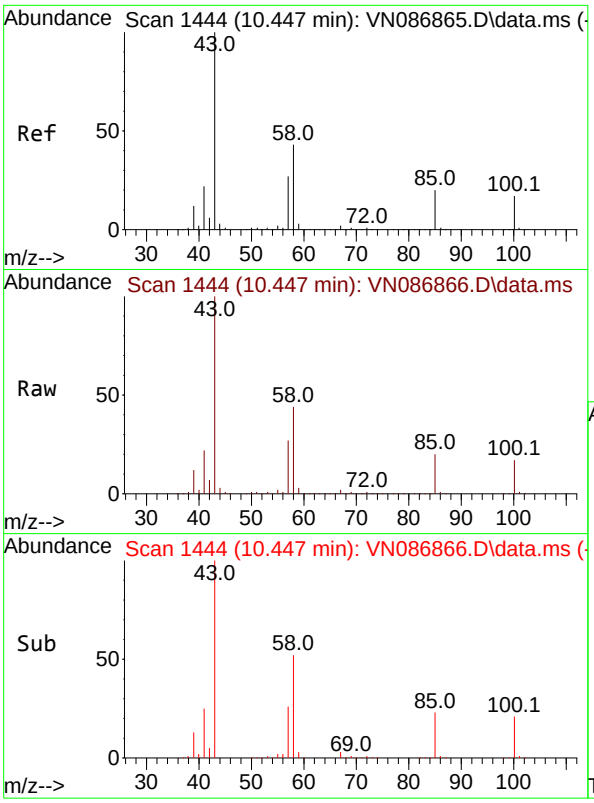


#50
Toluene-d8
Concen: 100.419 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 98 Resp: 772210

Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.4	80.0





#51
4-Methyl-2-Pentanone
Concen: 517.729 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

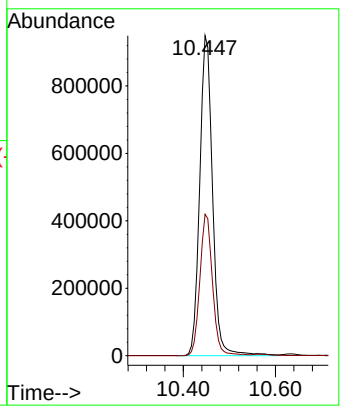
Tgt Ion: 43 Resp: 184327

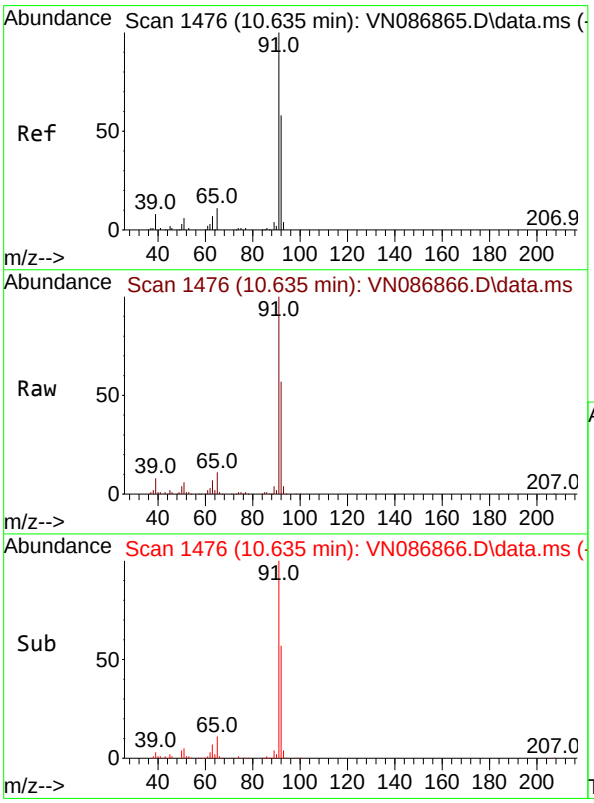
Ion	Ratio	Lower	Upper
43	100		
58	43.6	34.2	51.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

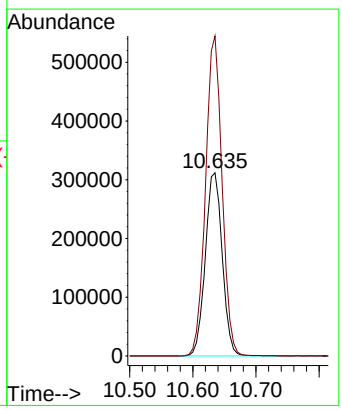


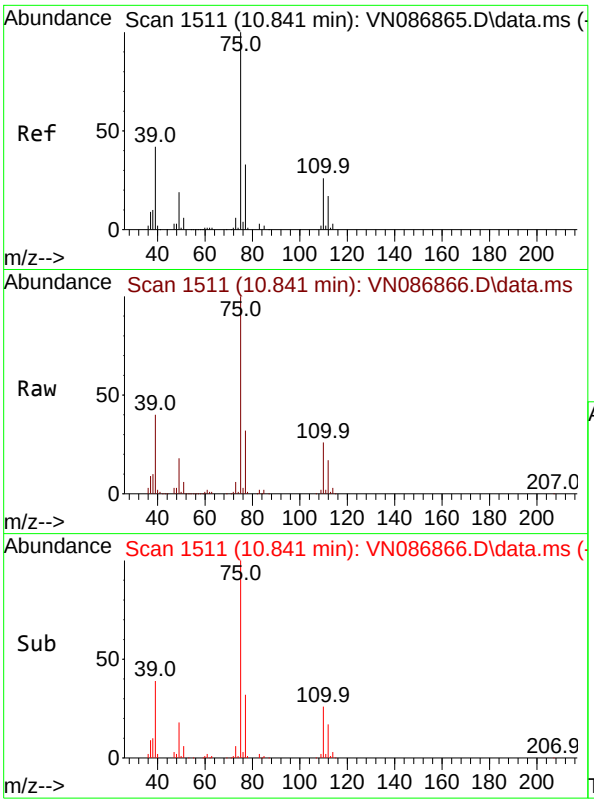


#52
Toluene
Concen: 100.092 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 92 Resp: 578978

Ion	Ratio	Lower	Upper
92	100		
91	170.6	136.5	204.7





#53
t-1,3-Dichloropropene
Concen: 102.077 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

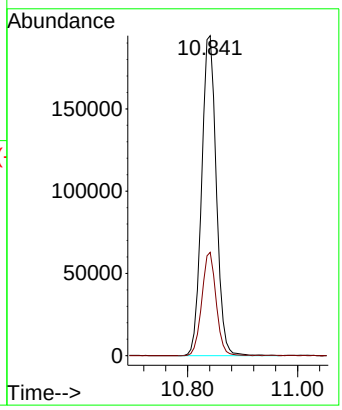
Tgt Ion: 75 Resp: 35920

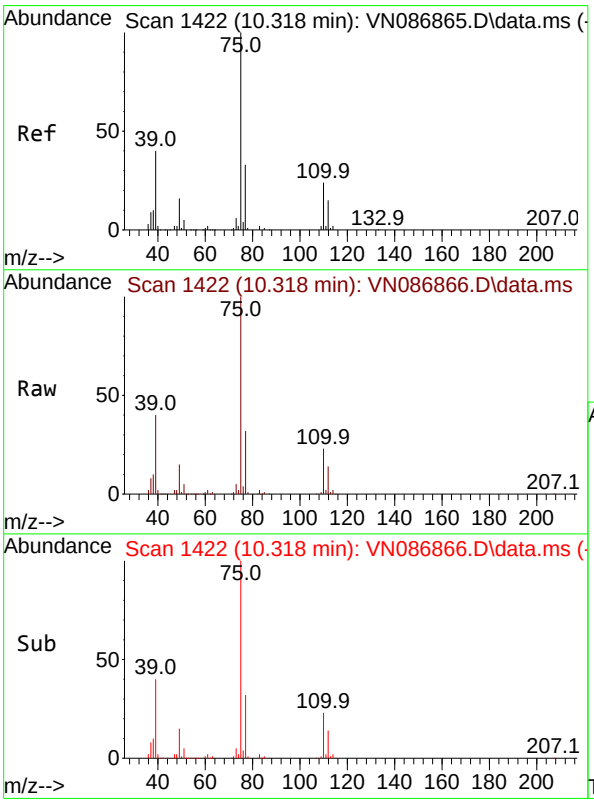
Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.4	39.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

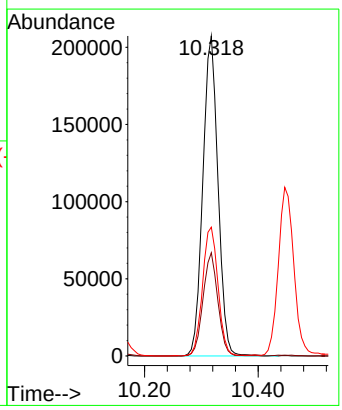


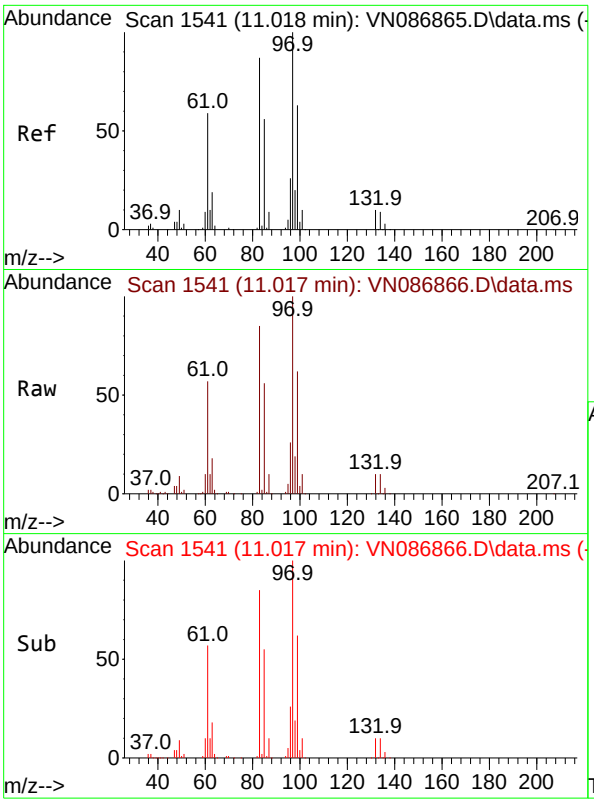


#54
cis-1,3-Dichloropropene
Concen: 101.730 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 75 Resp: 383030

Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.2	39.4
39	40.1	32.3	48.5

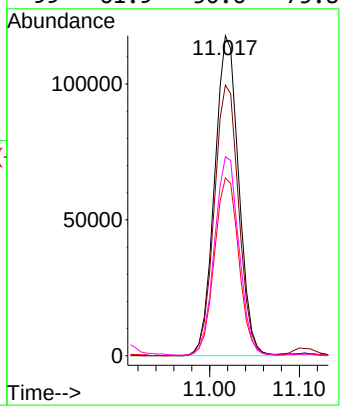




#55
1,1,2-Trichloroethane
Concen: 98.808 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 97 Resp: 21992

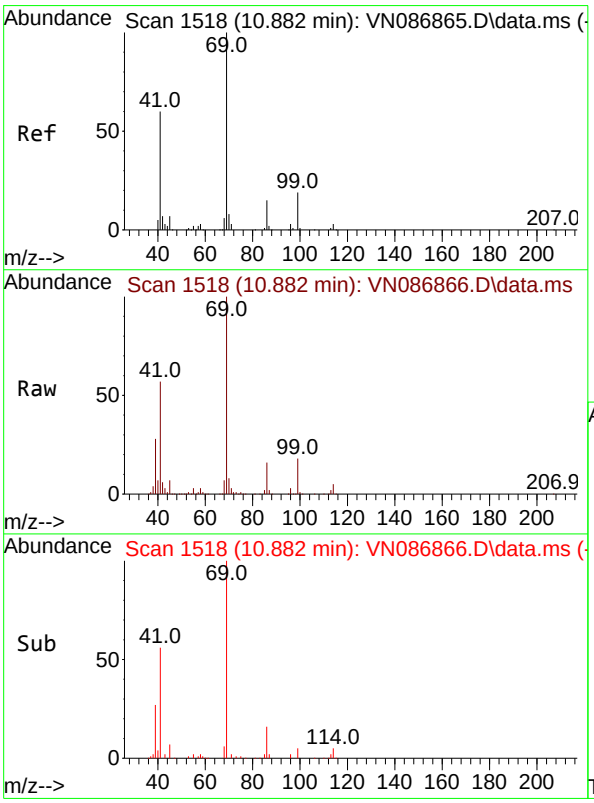
Ion	Ratio	Lower	Upper
97	100		
83	84.5	69.7	104.5
85	55.6	45.1	67.7
99	61.9	50.6	75.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

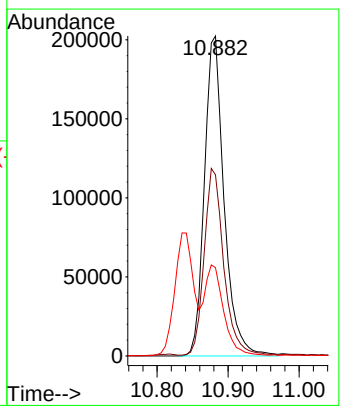
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

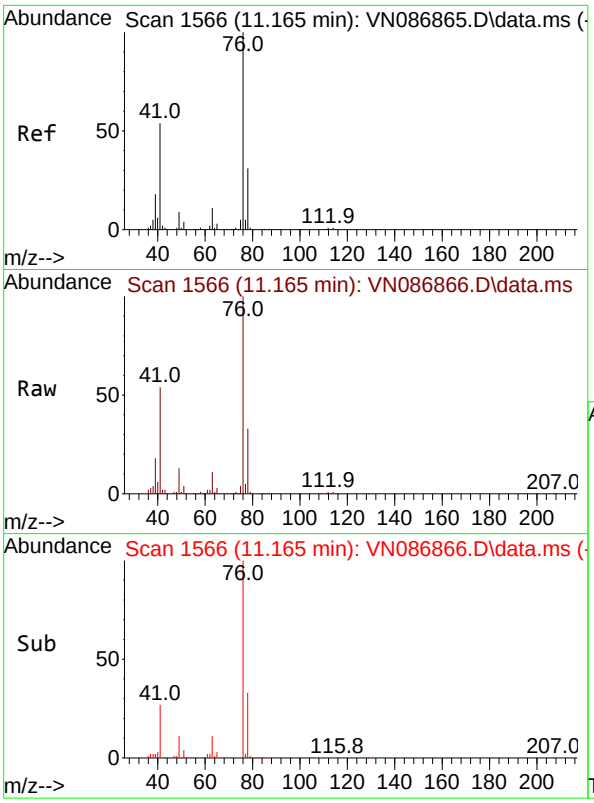


#56
Ethyl methacrylate
Concen: 109.955 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 69 Resp: 389802

Ion	Ratio	Lower	Upper
69	100		
41	58.3	47.2	70.8
39	27.5	23.0	34.6

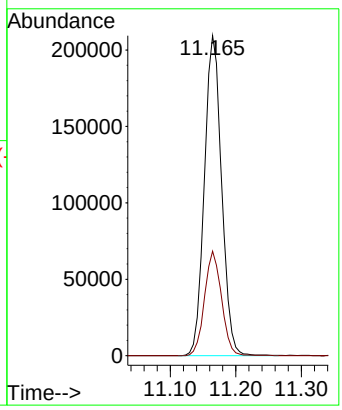




#57
1,3-Dichloropropane
Concen: 99.069 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 76 Resp: 38251

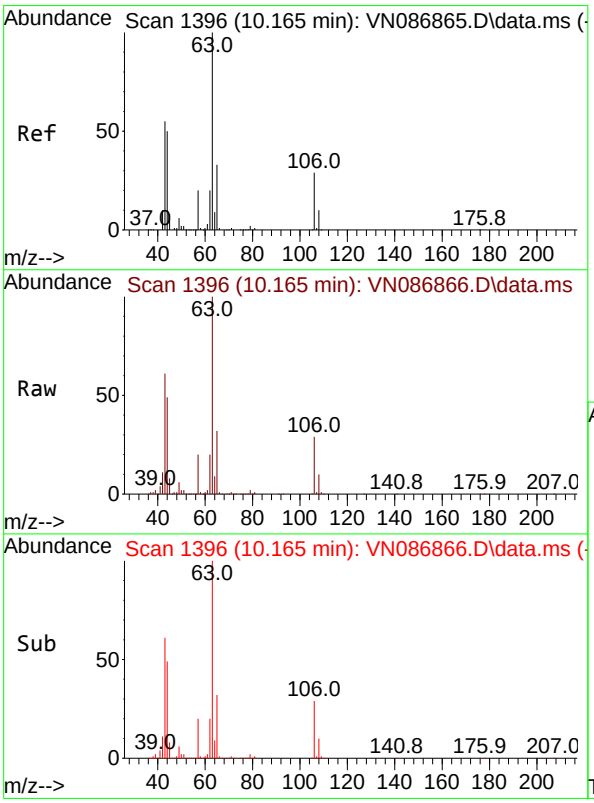
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.3	37.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

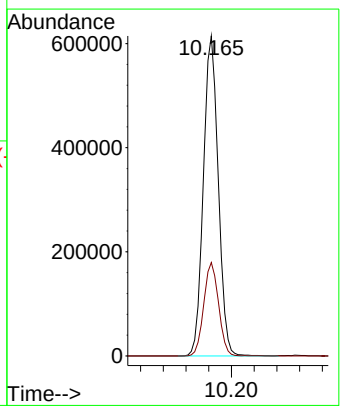
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

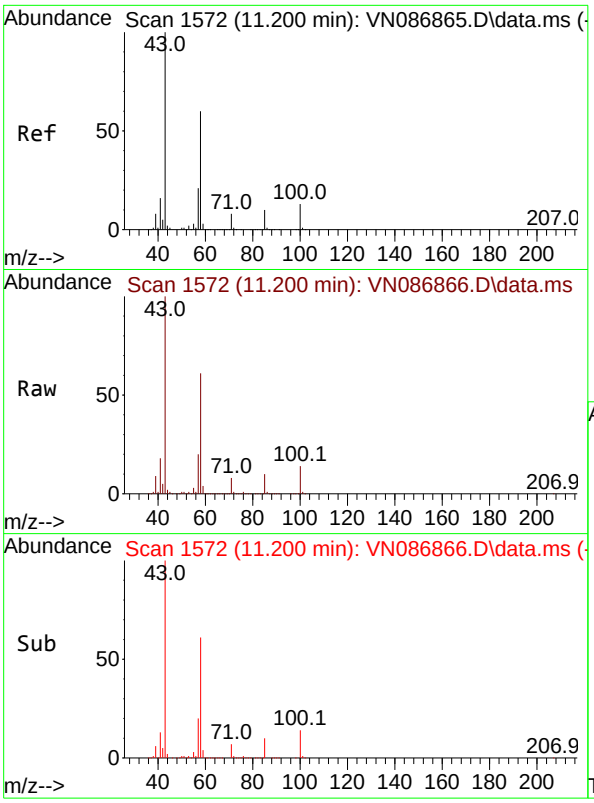


#58
2-Chloroethyl Vinyl ether
Concen: 526.621 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 63 Resp: 1113523

Ion	Ratio	Lower	Upper
63	100		
106	29.1	23.0	34.6





#59
2-Hexanone
Concen: 567.535 ug/l
RT: 11.200 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

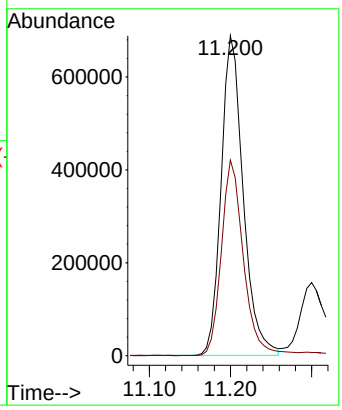
Tgt Ion: 43 Resp: 130153

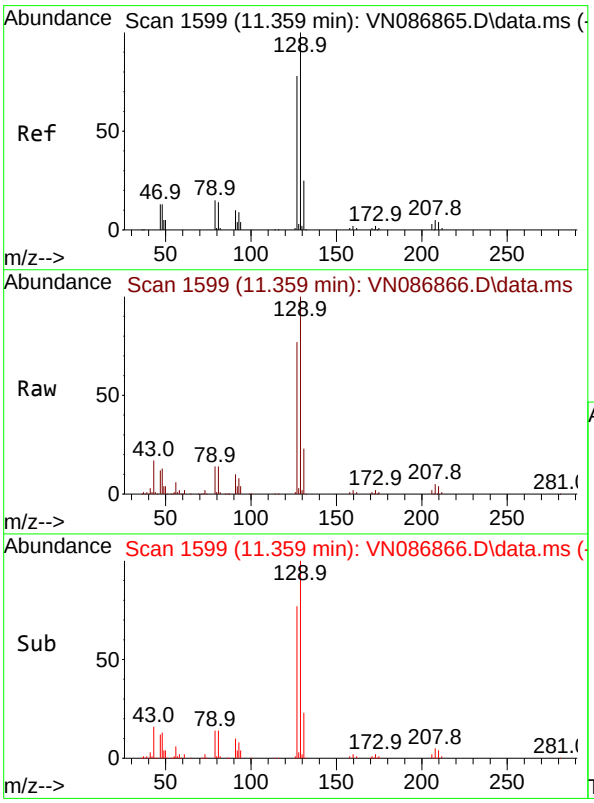
Ion	Ratio	Lower	Upper
43	100		
58	61.4	30.4	91.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

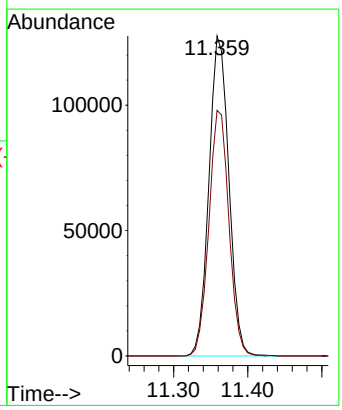


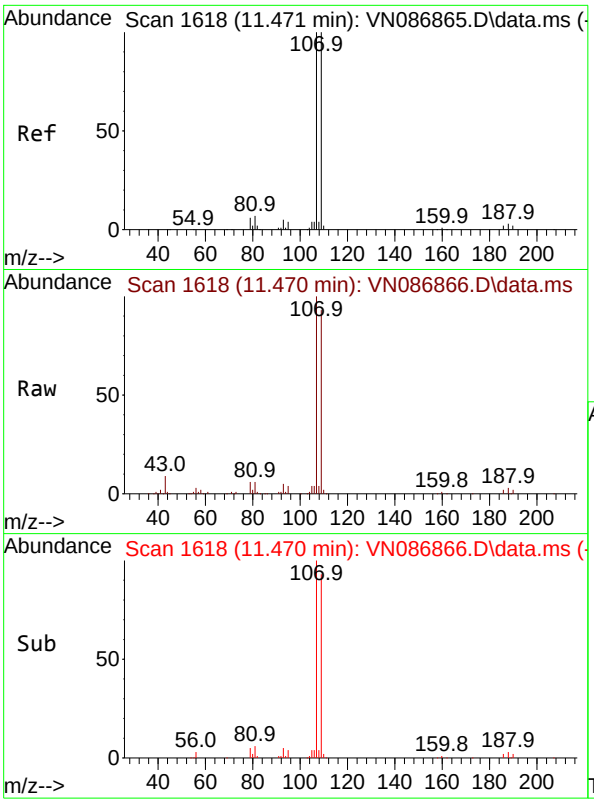


#60
Dibromochloromethane
Concen: 102.616 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:129 Resp: 237965

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.8

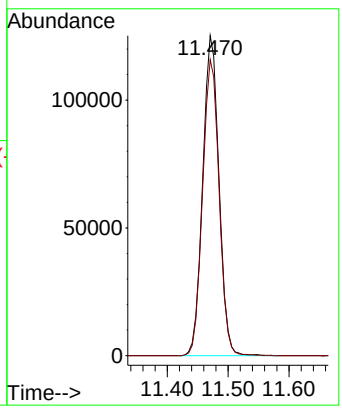




#61
1,2-Dibromoethane
Concen: 101.787 ug/l
RT: 11.470 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:107 Resp: 23221

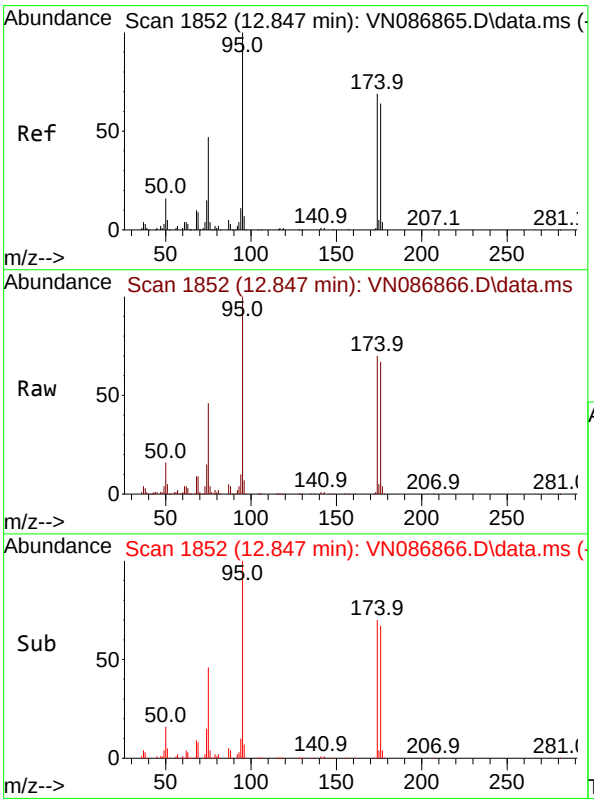
Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.3	114.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

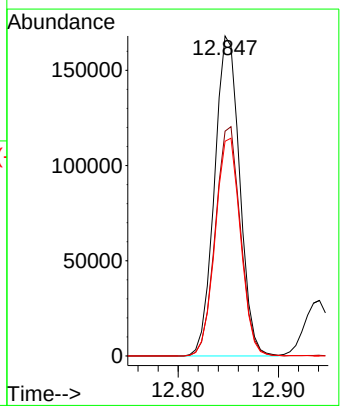
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

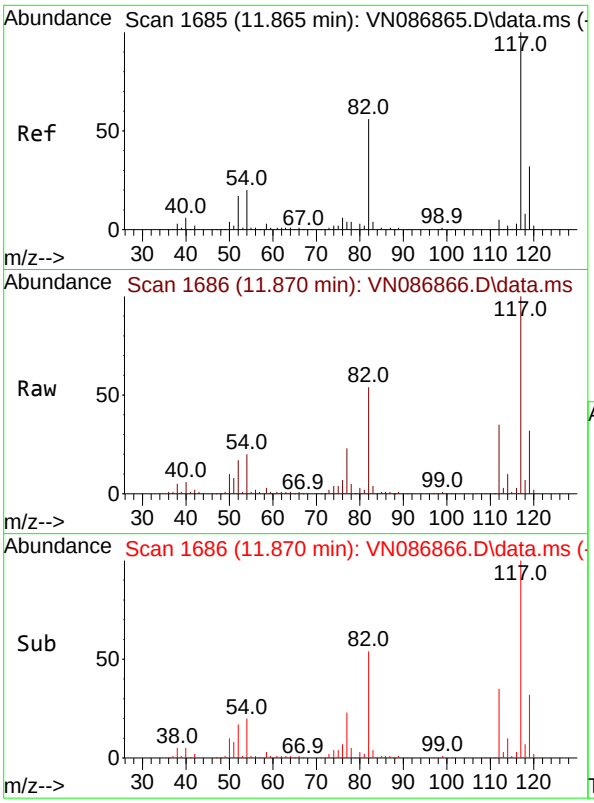


#62
4-Bromofluorobenzene
Concen: 102.339 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 95 Resp: 292385

Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	141.8
176	68.6	0.0	132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

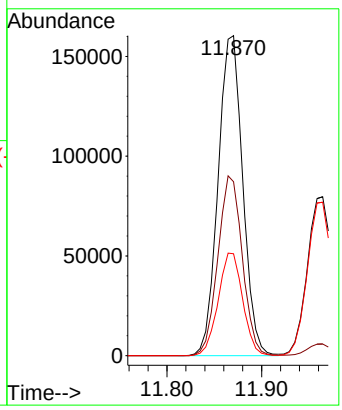
Tgt Ion:117 Resp: 29031

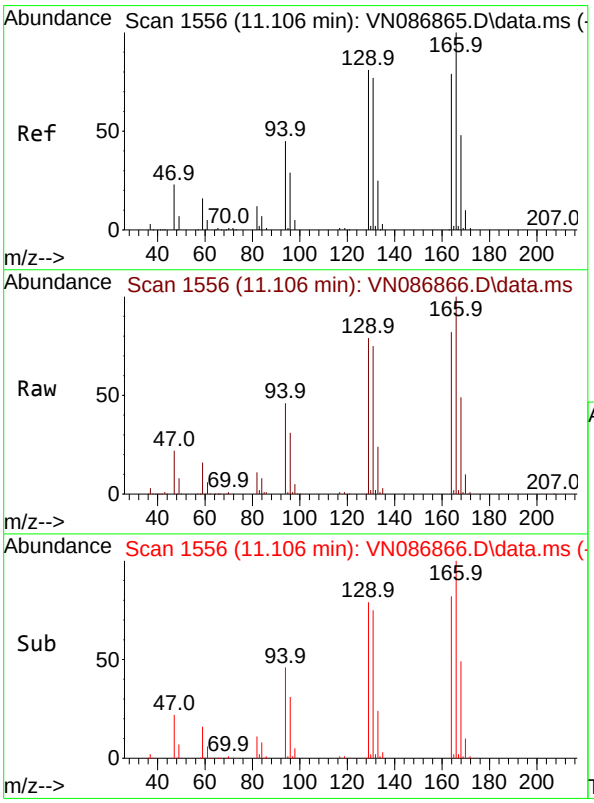
Ion	Ratio	Lower	Upper
117	100		
82	54.3	44.6	67.0
119	31.9	25.5	38.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

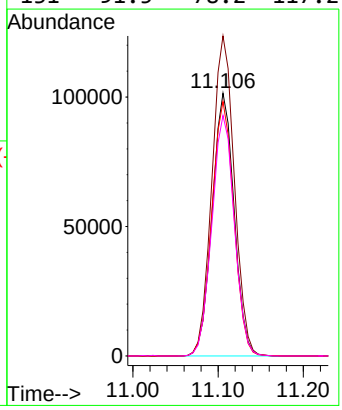


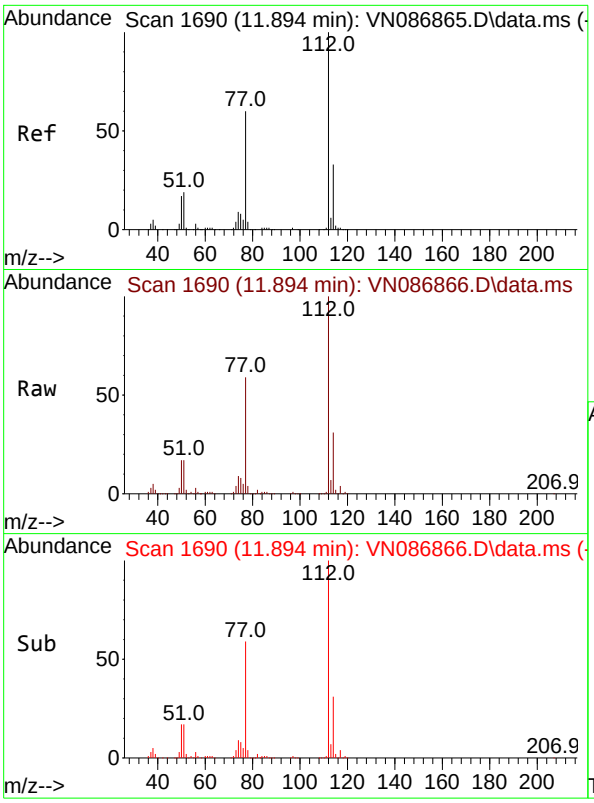


#64
Tetrachloroethene
Concen: 98.824 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:164 Resp: 181568

Ion	Ratio	Lower	Upper
164	100		
166	121.8	101.8	152.8
129	96.8	83.0	124.4
131	91.5	78.2	117.2

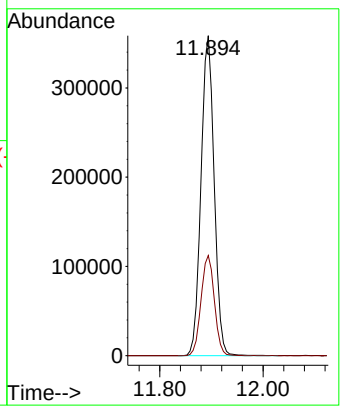




#65
Chlorobenzene
Concen: 98.793 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:112 Resp: 63256

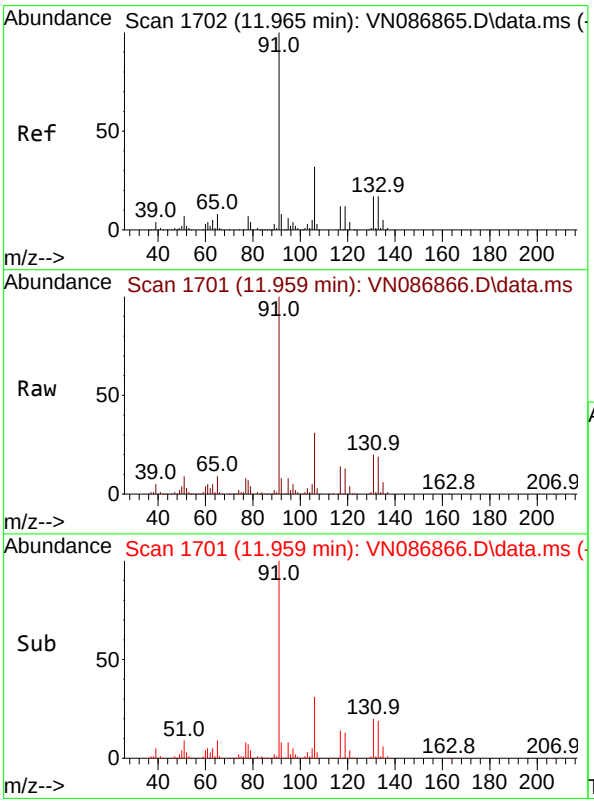
Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.2	39.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

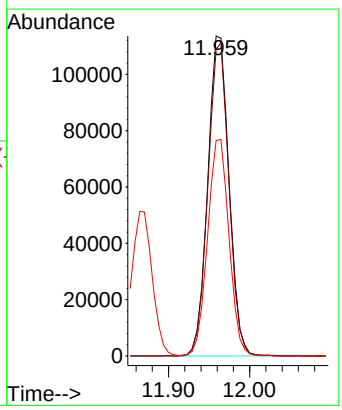
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

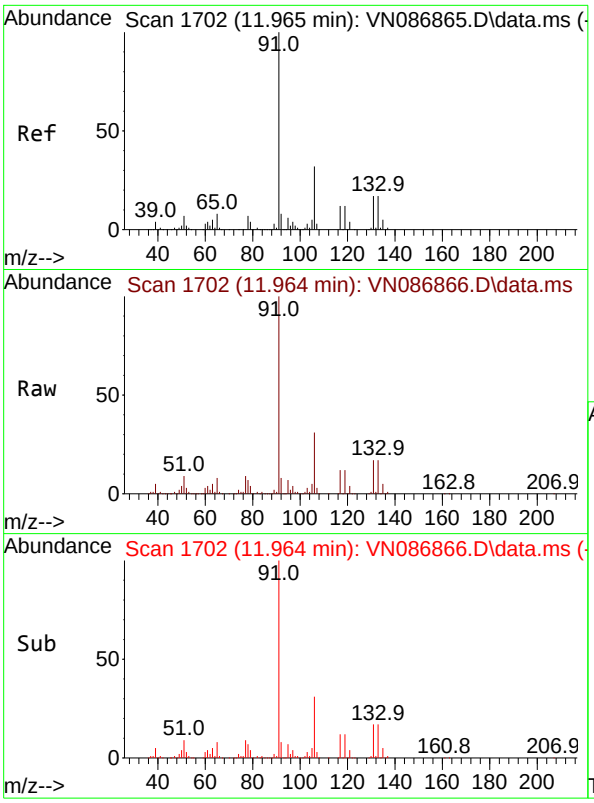


#66
1,1,1,2-Tetrachloroethane
Concen: 100.521 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:131 Resp: 206895

Ion	Ratio	Lower	Upper
131	100		
133	96.4	48.3	144.8
119	68.2	34.0	101.8





#67
Ethyl Benzene
Concen: 100.717 ug/l
RT: 11.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

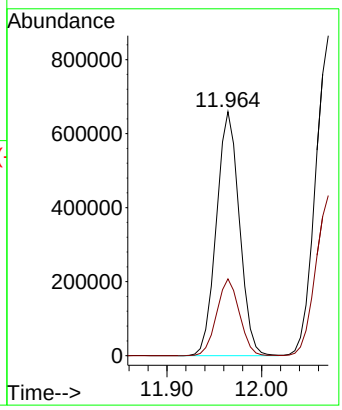
Tgt Ion: 91 Resp: 111080

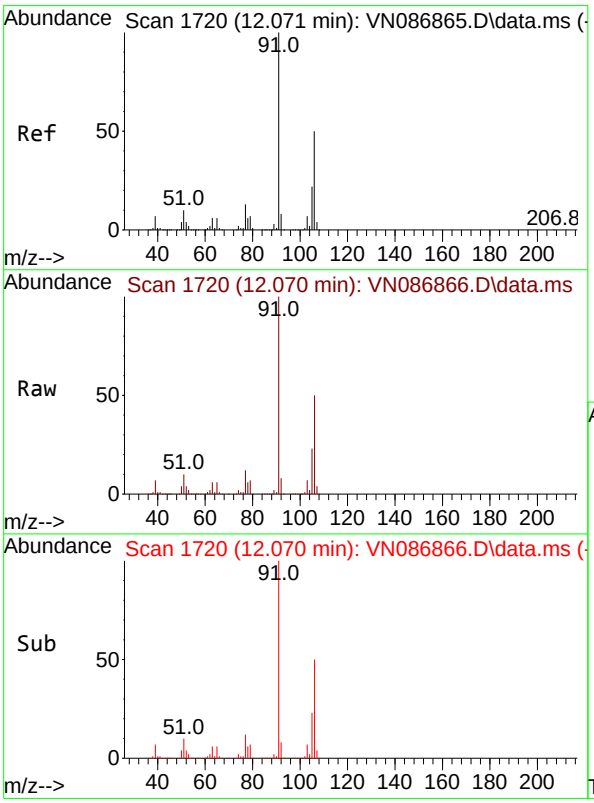
Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.4	38.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

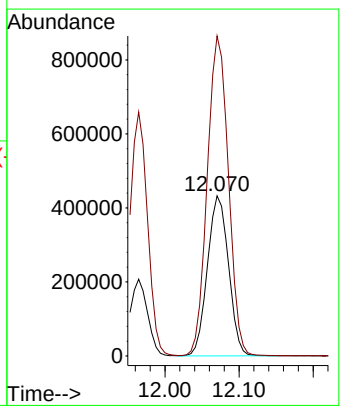


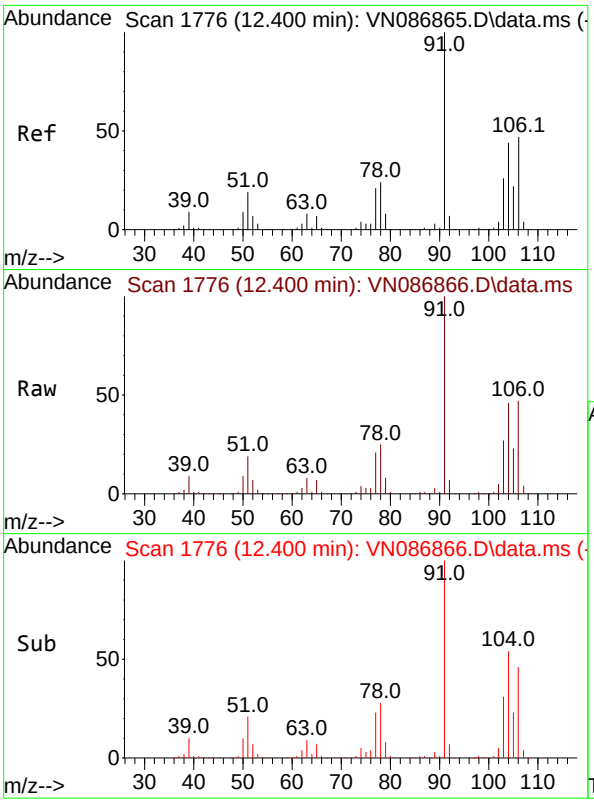


#68
m/p-Xylenes
Concen: 202.411 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:106 Resp: 854557

Ion	Ratio	Lower	Upper
106	100		
91	200.4	159.4	239.0





#69
o-Xylene
Concen: 102.070 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

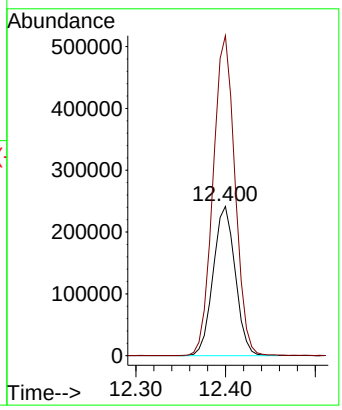
Tgt Ion:106 Resp: 41271

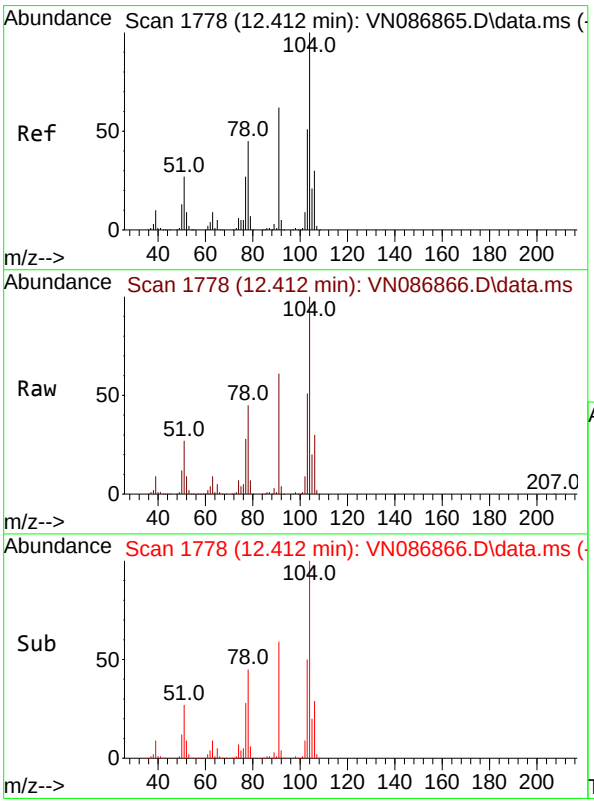
Ion	Ratio	Lower	Upper
106	100		
91	212.8	106.1	318.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

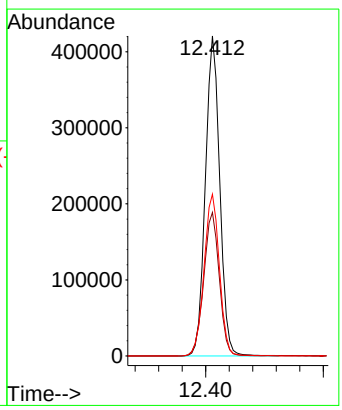


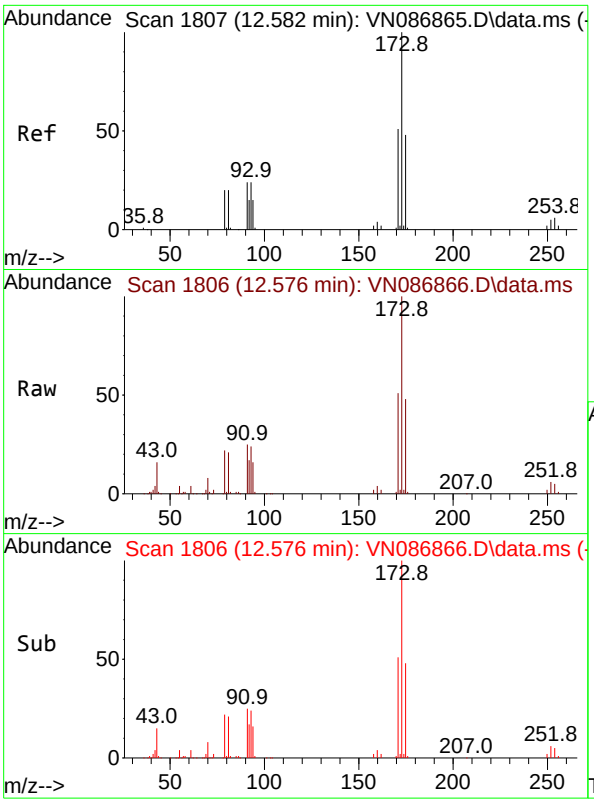


#70
Styrene
Concen: 103.127 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:104 Resp: 713548

Ion	Ratio	Lower	Upper
104	100		
78	48.4	38.5	57.7
103	54.0	43.1	64.7

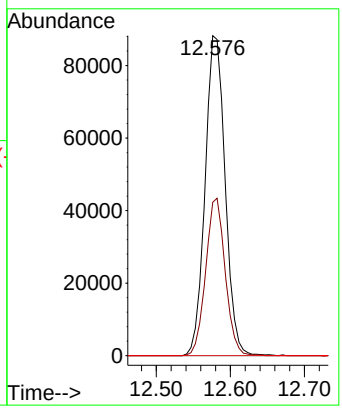




#71
Bromoform
Concen: 108.707 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:173 Resp: 16578

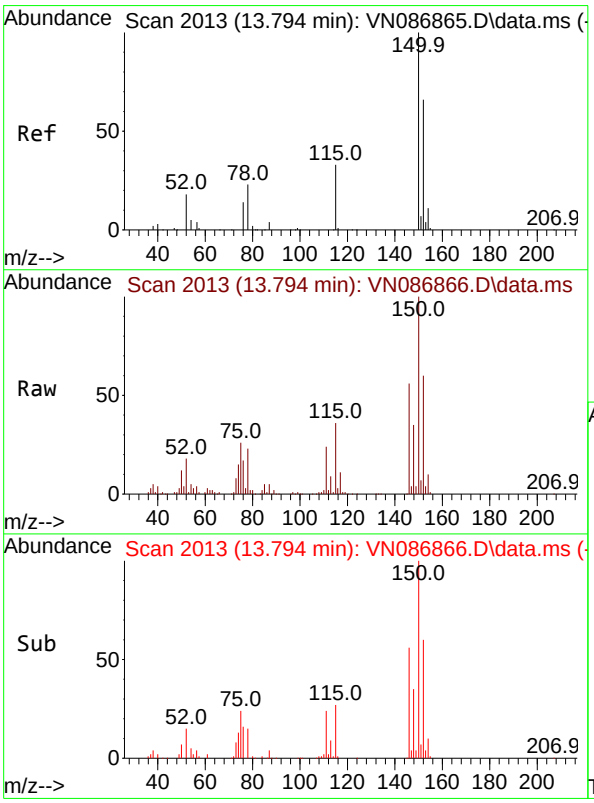
Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.1	72.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

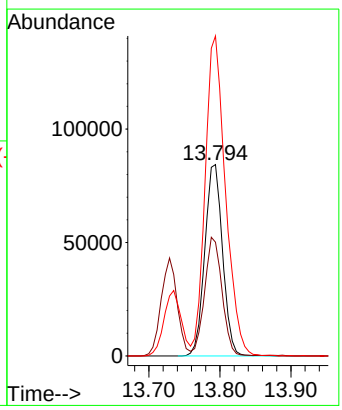
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

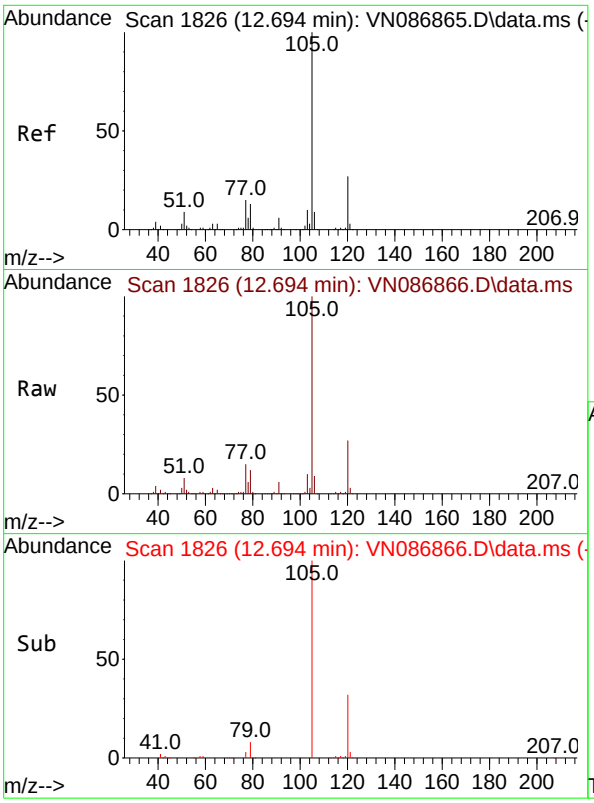


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:152 Resp: 147098

Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.1	90.5
150	190.4	0.0	345.0

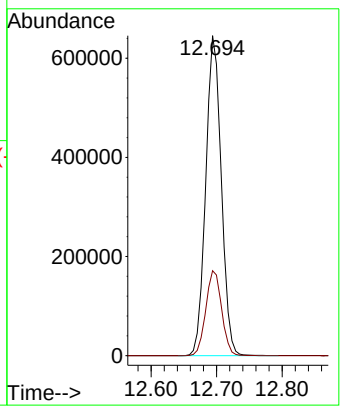




#73
Isopropylbenzene
Concen: 99.410 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:105 Resp: 106529

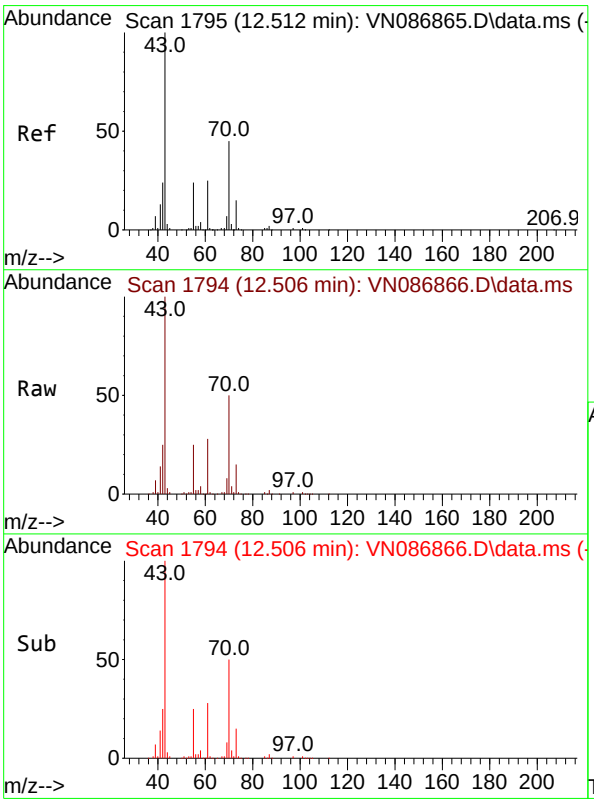
Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.5	40.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

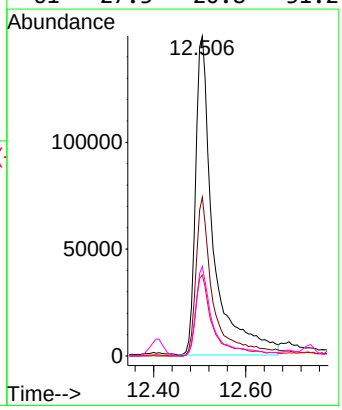
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

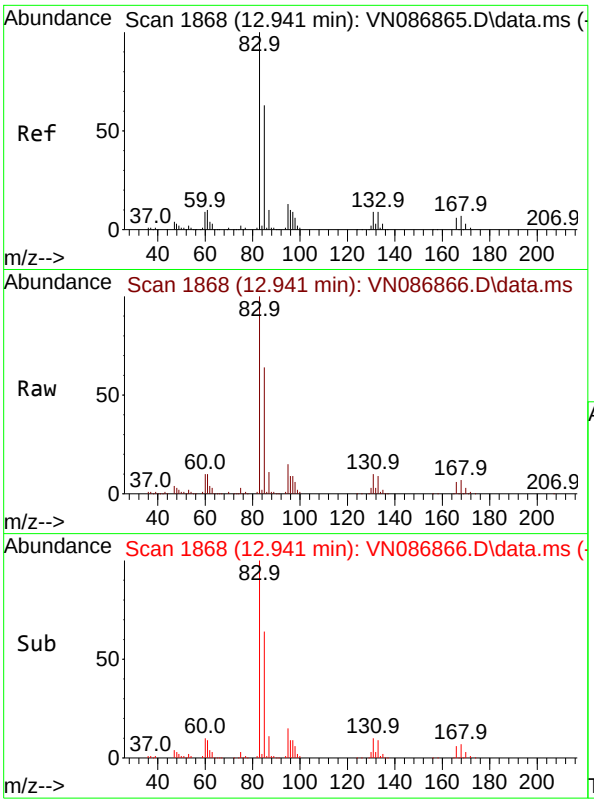


#74
N-amyl acetate
Concen: 113.475 ug/l
RT: 12.506 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 43 Resp: 403587

Ion	Ratio	Lower	Upper
43	100		
70	47.7	37.6	56.4
55	25.0	19.0	28.6
61	27.3	20.8	31.2

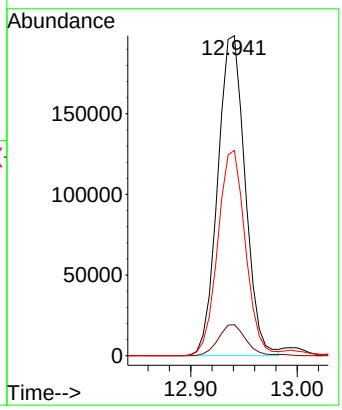




#75
1,1,2,2-Tetrachloroethane
Concen: 97.616 ug/l
RT: 12.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 83 Resp: 35438

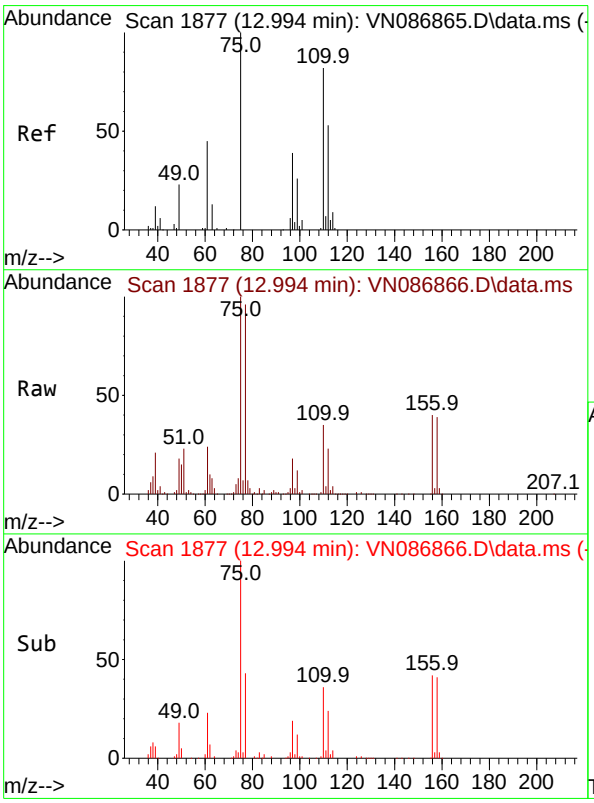
Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.7
85	64.9	32.0	96.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

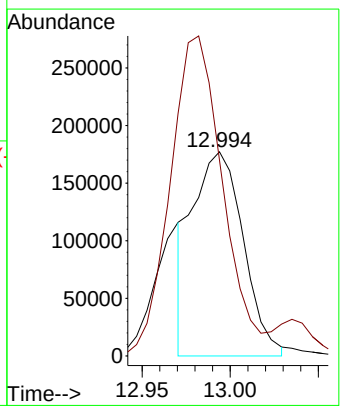
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

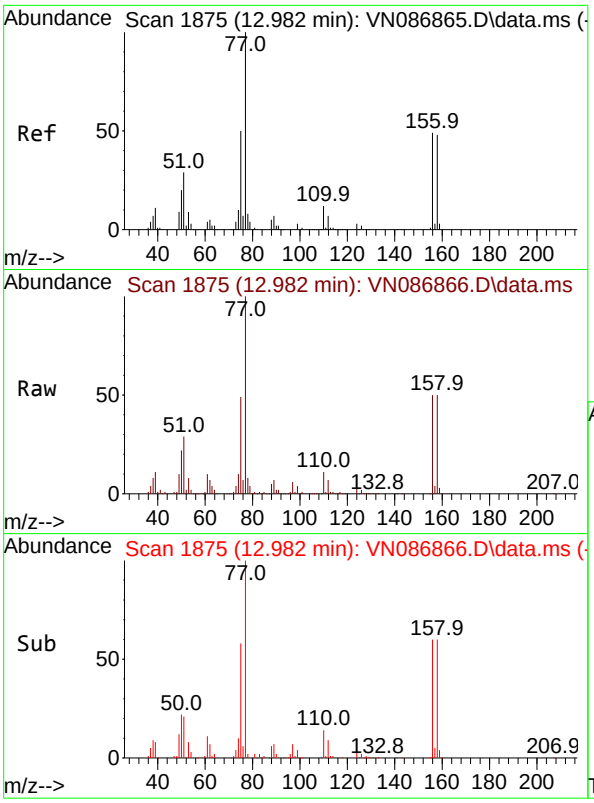


#76
1,2,3-Trichloropropane
Concen: 100.738 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 75 Resp: 353334

Ion	Ratio	Lower	Upper
75	100		
77	162.2	79.3	237.9

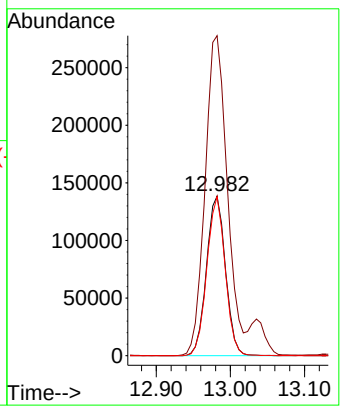




#77
Bromobenzene
Concen: 100.266 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:156 Resp: 24641

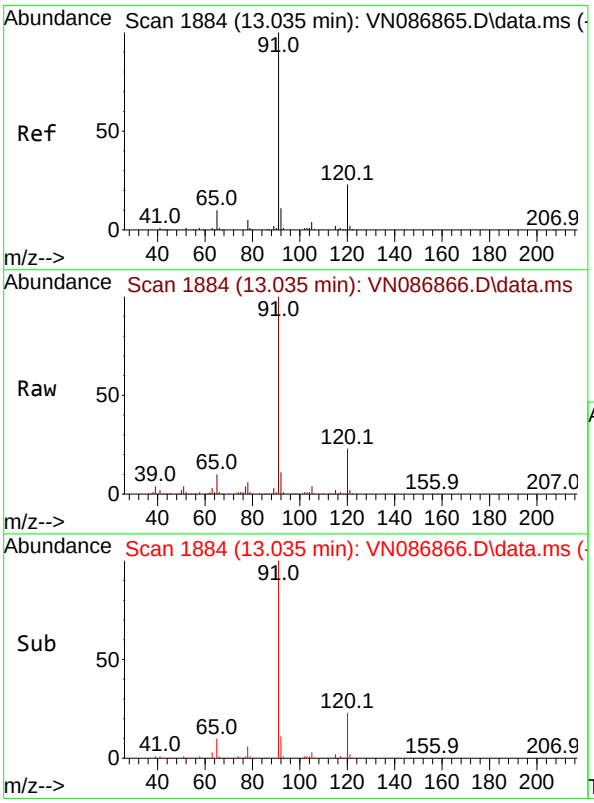
Ion	Ratio	Lower	Upper
156	100		
77	232.6	117.7	353.1
158	96.4	48.1	144.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

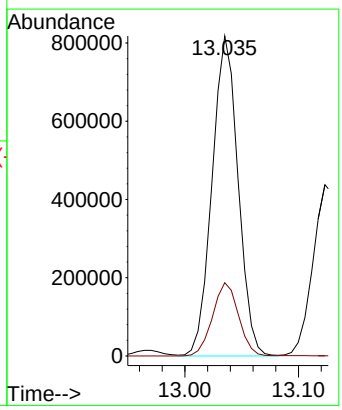
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

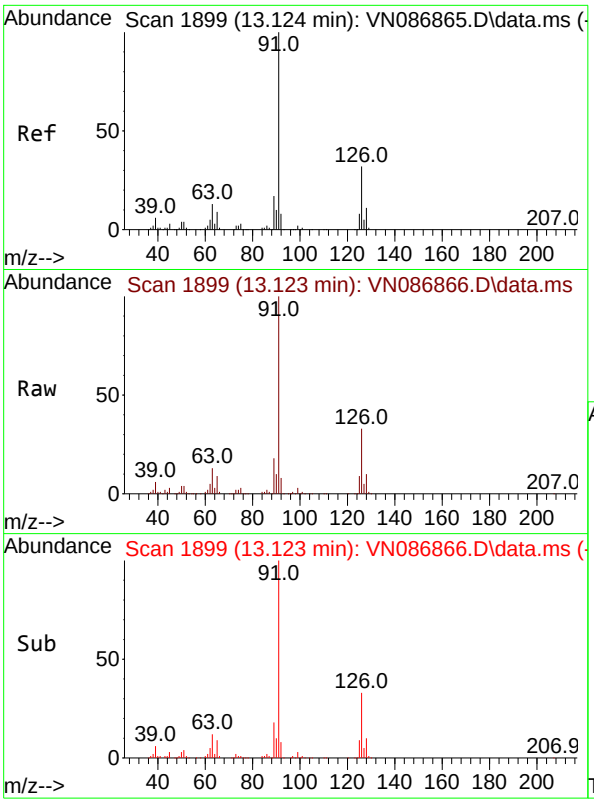


#78
n-propylbenzene
Concen: 99.948 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 91 Resp: 1301631

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.4	34.2

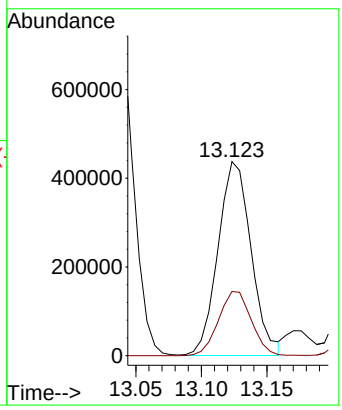




#79
2-Chlorotoluene
Concen: 98.630 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 91 Resp: 77030

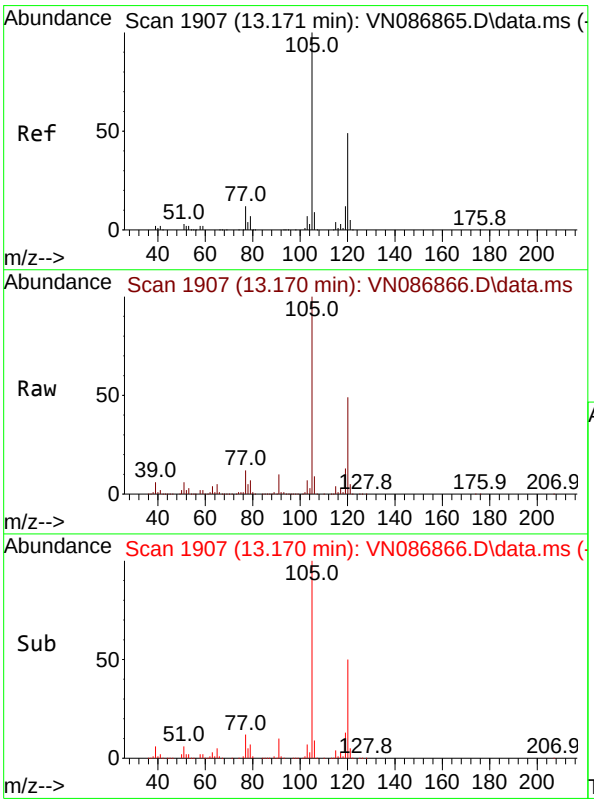
Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

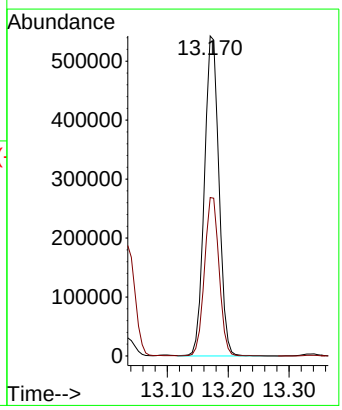
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

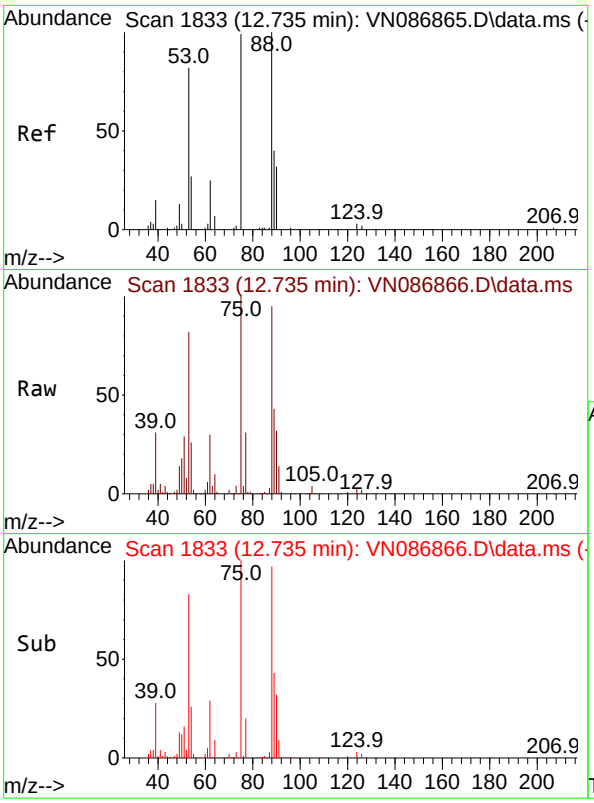


#80
1,3,5-Trimethylbenzene
Concen: 101.873 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:105 Resp: 901317

Ion	Ratio	Lower	Upper
105	100		
120	49.7	24.9	74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 105.820 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

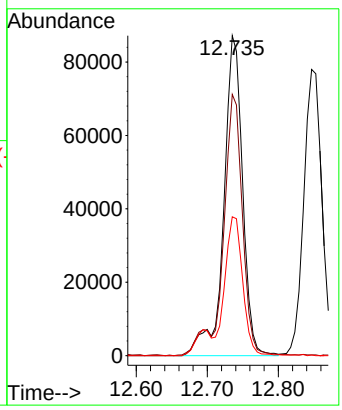
Tgt Ion: 75 Resp: 16073

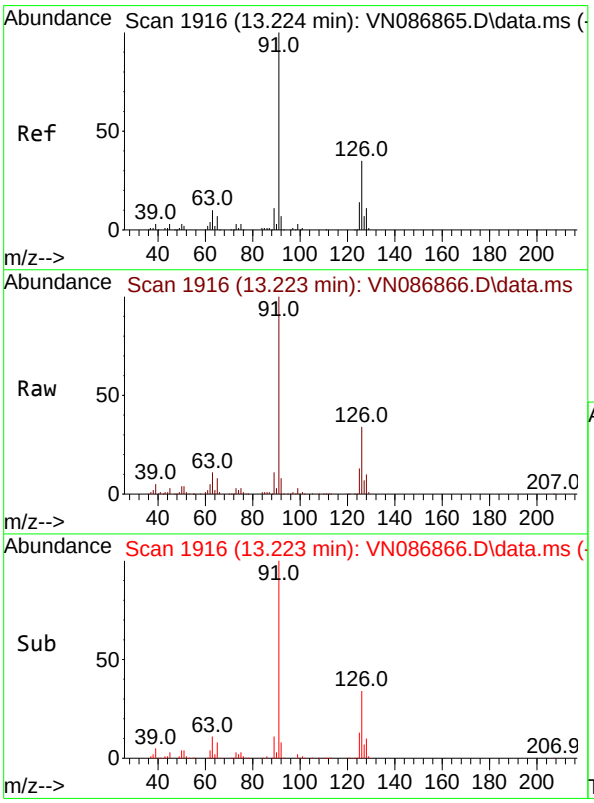
Ion	Ratio	Lower	Upper
75	100		
53	76.0	66.6	99.8
89	41.1	36.7	55.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

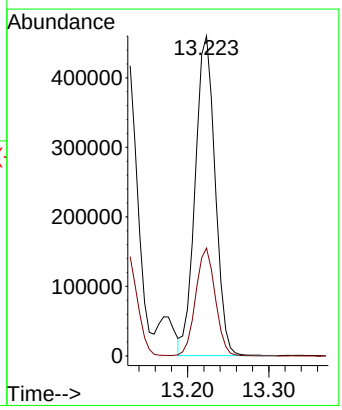


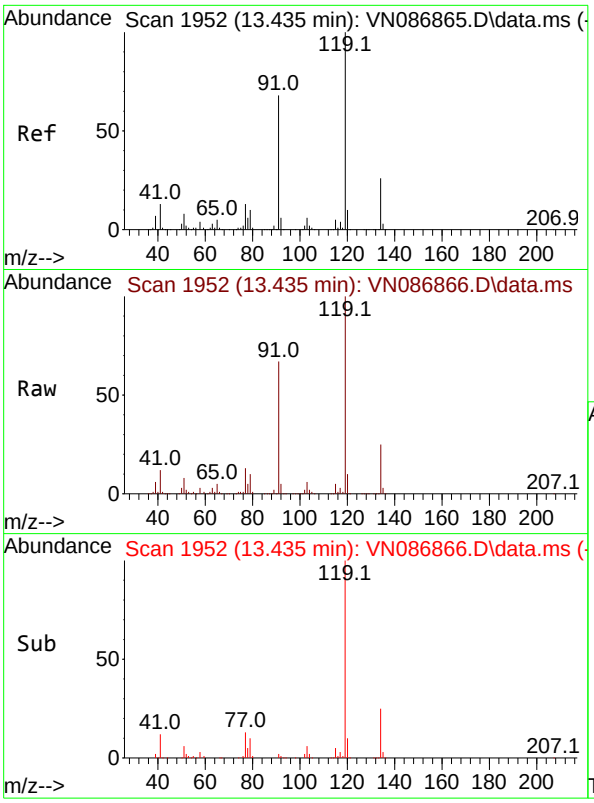


#82
4-Chlorotoluene
Concen: 99.166 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 91 Resp: 783657

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.7	50.1

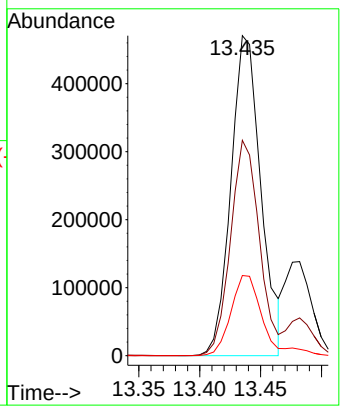




#83
tert-Butylbenzene
Concen: 99.710 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:119 Resp: 80752

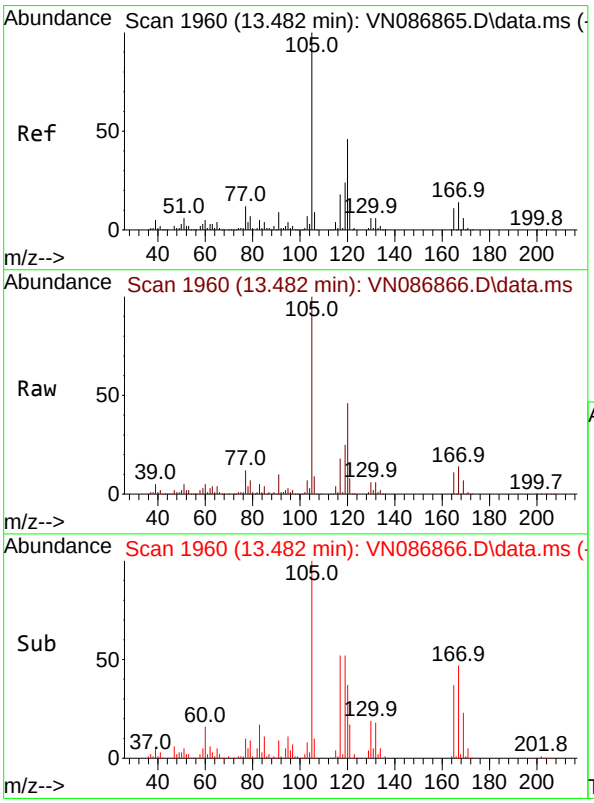
Ion	Ratio	Lower	Upper
119	100		
91	64.6	32.1	96.5
134	26.6	13.4	40.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

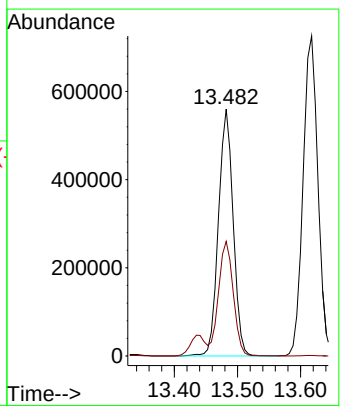
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

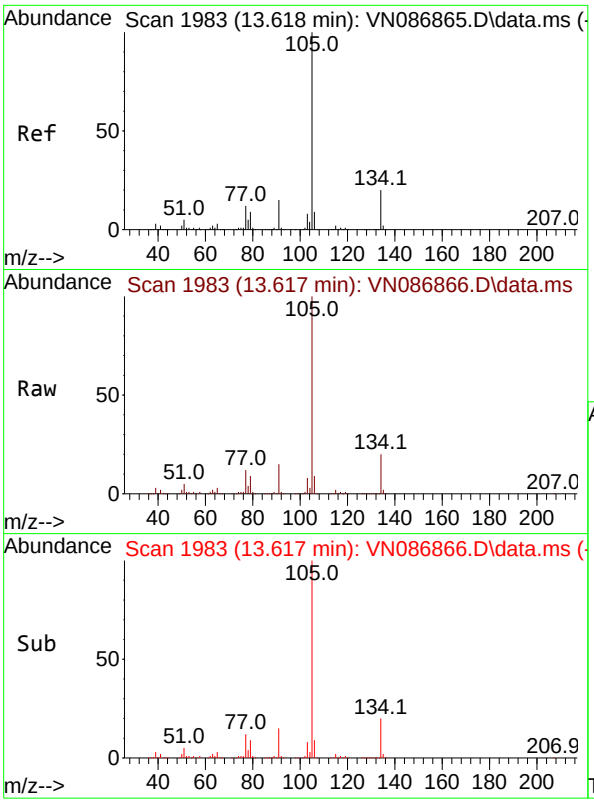


#84
1,2,4-Trimethylbenzene
Concen: 101.983 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:105 Resp: 904794

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.2	69.6





#85
sec-Butylbenzene
Concen: 100.513 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

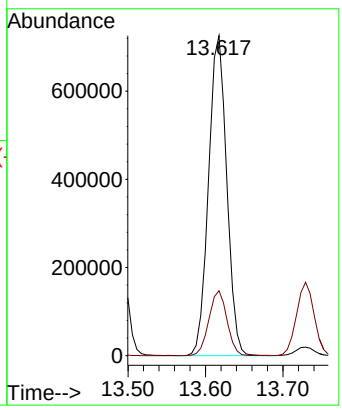
Tgt Ion:105 Resp: 118215

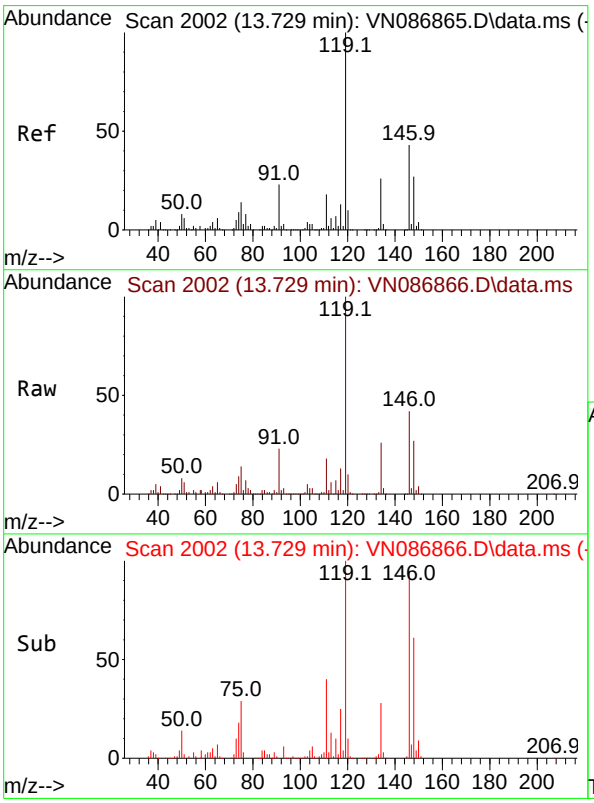
Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

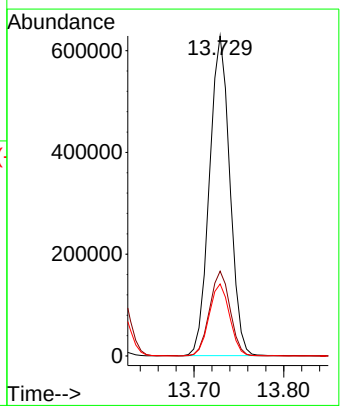


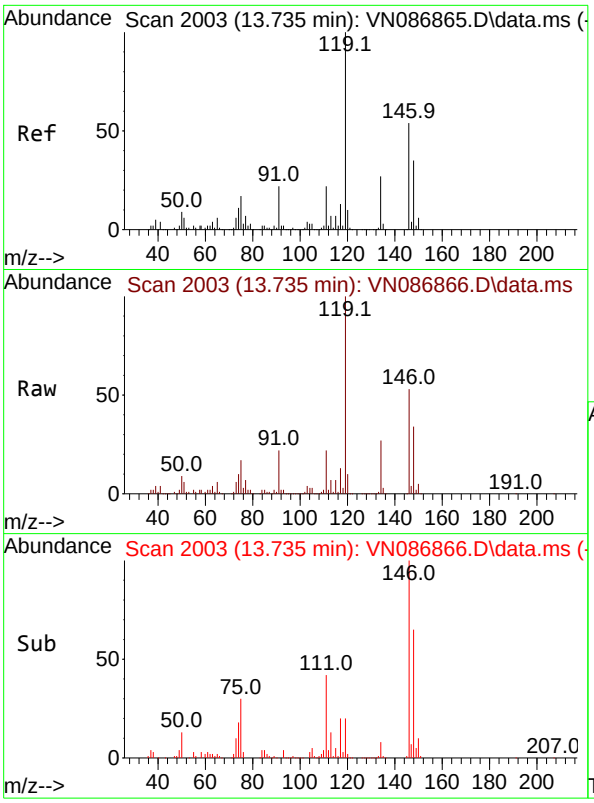


#86
p-Isopropyltoluene
Concen: 101.857 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:119 Resp: 990273

Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.5	40.4
91	22.6	11.5	34.4

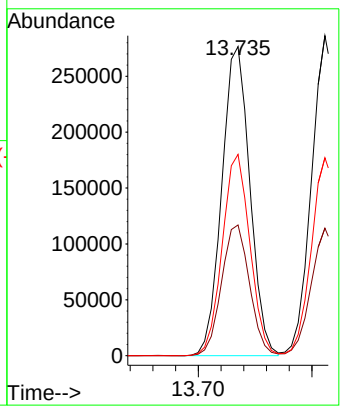




#87
1,3-Dichlorobenzene
Concen: 98.063 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:146 Resp: 47416

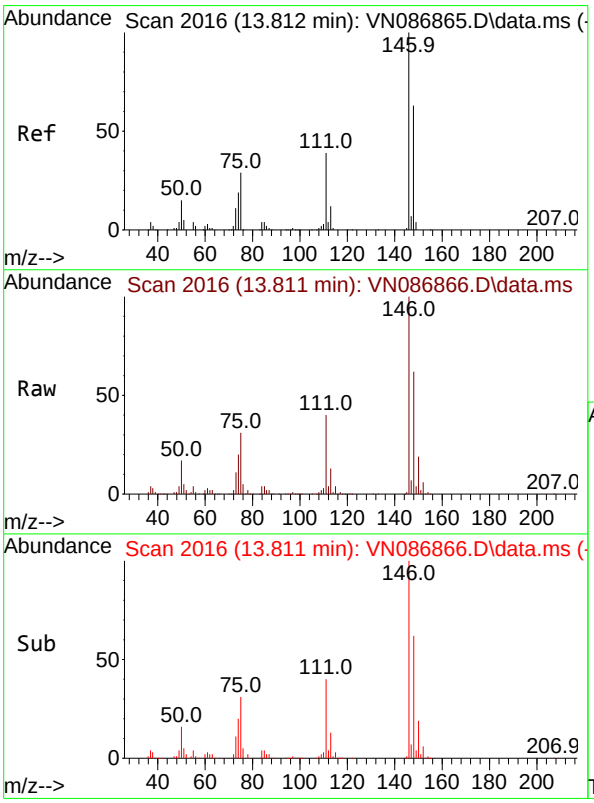
Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.9	62.8
148	64.4	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

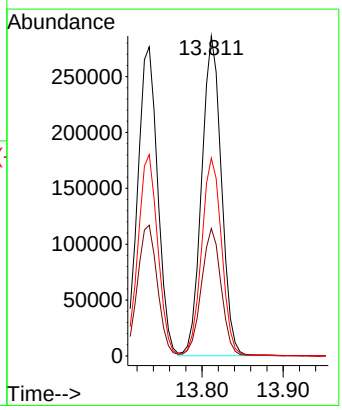
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

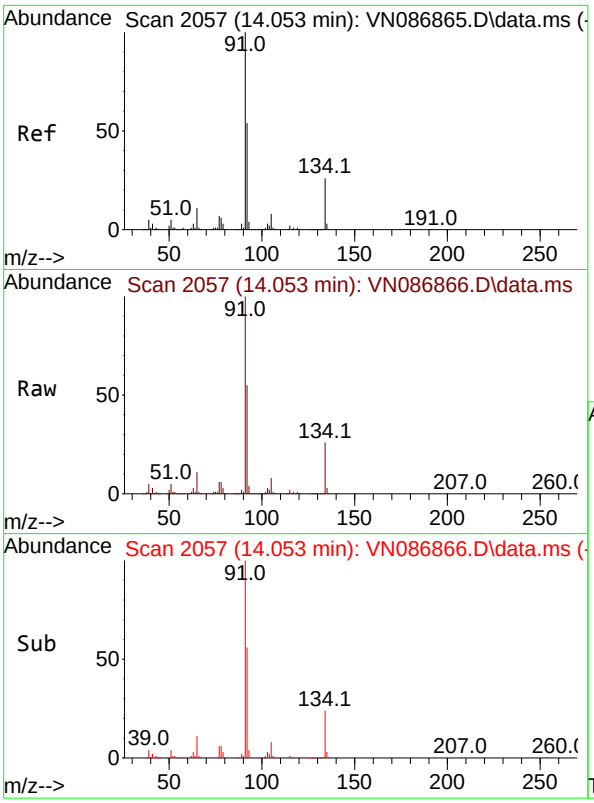


#88
1,4-Dichlorobenzene
Concen: 97.978 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:146 Resp: 483003

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.7
148	63.0	31.8	95.4

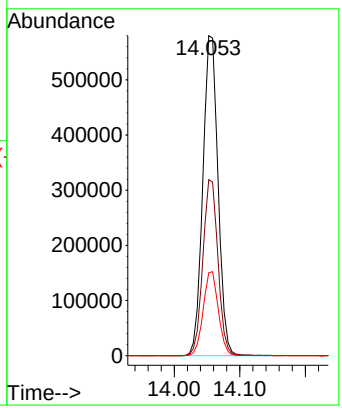




#89
n-Butylbenzene
Concen: 99.598 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 91 Resp: 93791

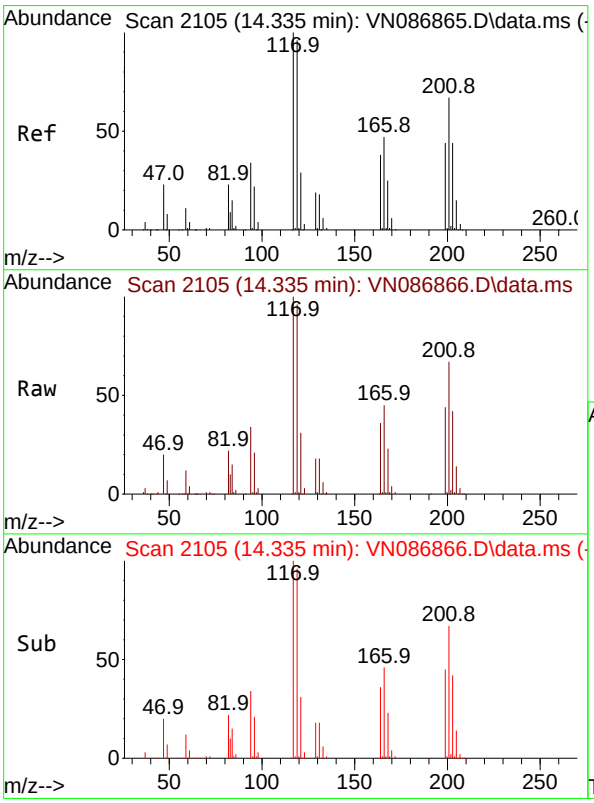
Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.5	82.4
134	26.2	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

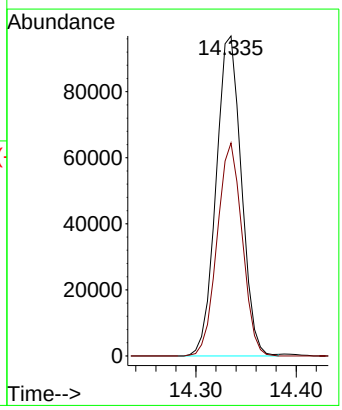
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

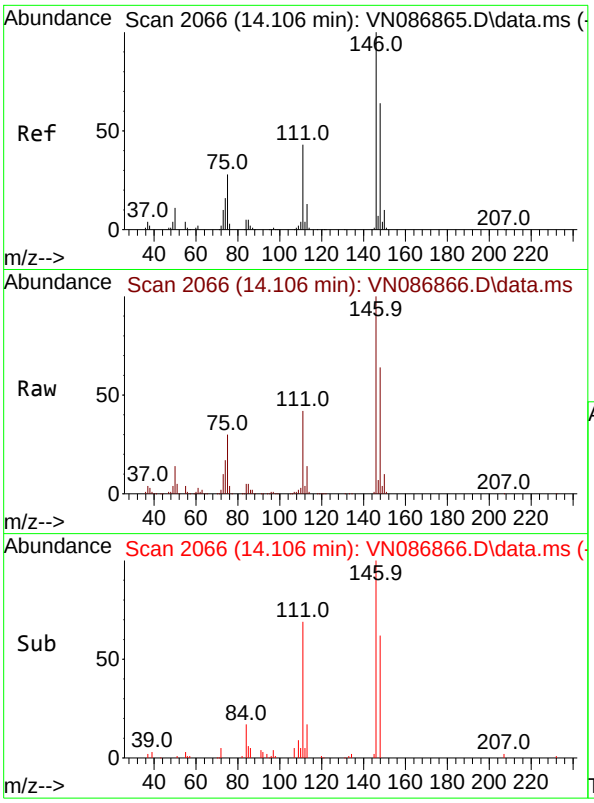


#90
Hexachloroethane
Concen: 103.019 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:117 Resp: 169772

Ion	Ratio	Lower	Upper
117	100		
201	65.8	33.2	99.6

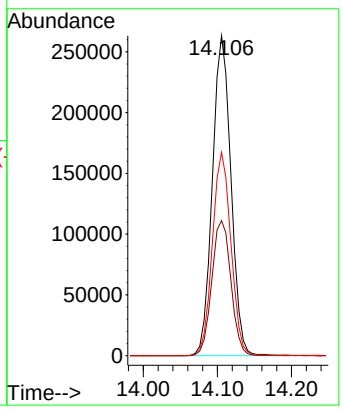




#91
1,2-Dichlorobenzene
Concen: 98.602 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:146 Resp: 45804

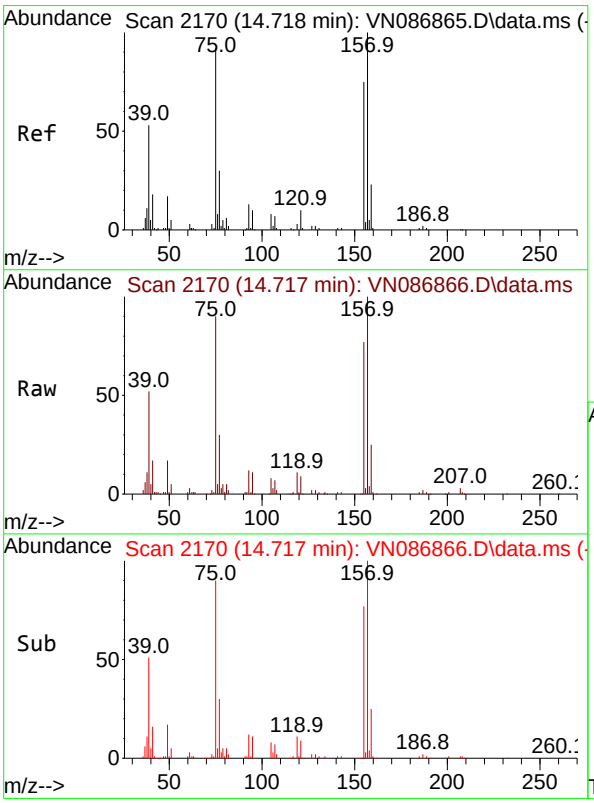
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.6	64.6
148	63.5	31.7	95.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

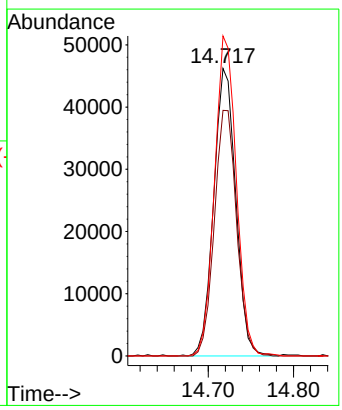
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

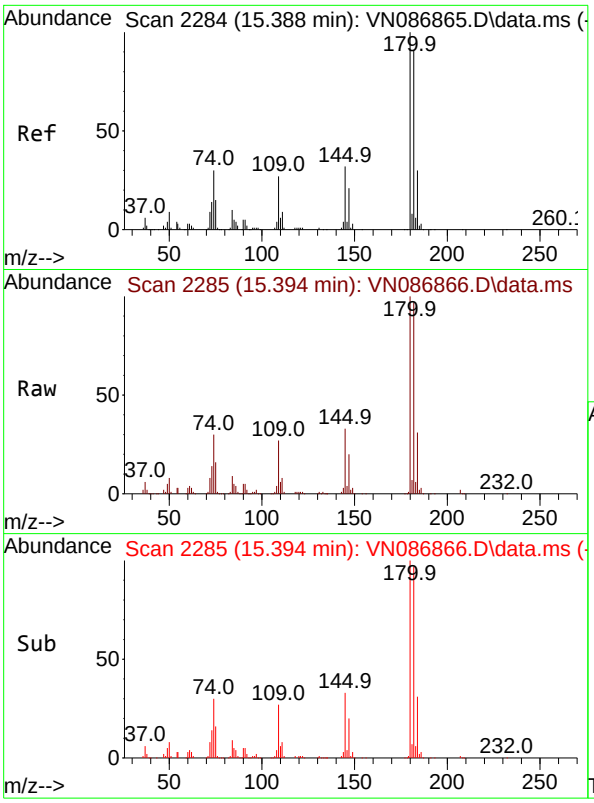


#92
1,2-Dibromo-3-Chloropropane
Concen: 95.877 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 75 Resp: 83243

Ion	Ratio	Lower	Upper
75	100		
155	86.1	41.1	123.4
157	109.8	52.7	158.1





#93
1,2,4-Trichlorobenzene
Concen: 100.751 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

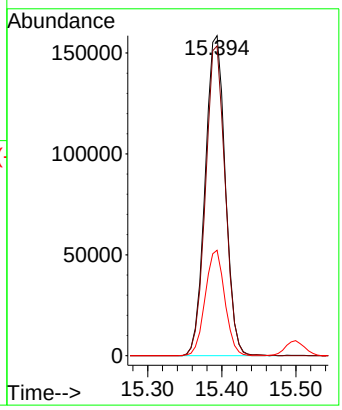
Tgt Ion:180 Resp: 29887

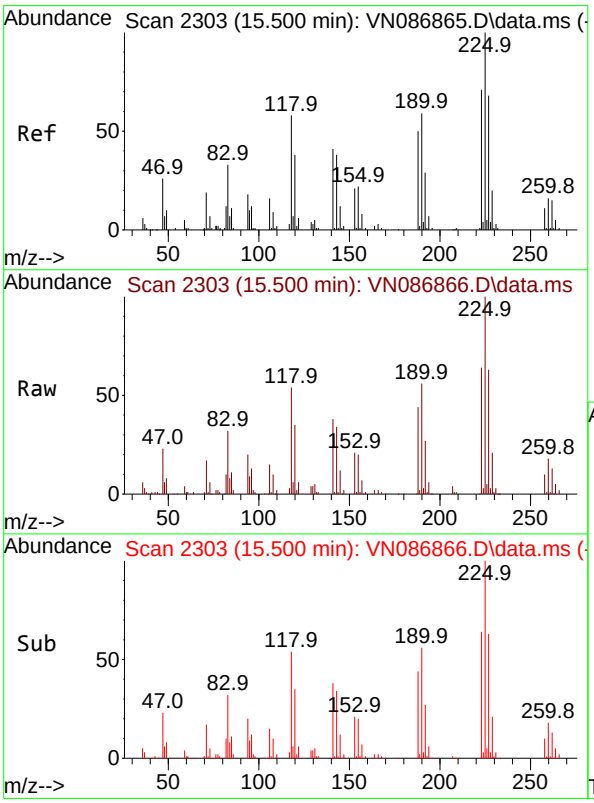
Ion	Ratio	Lower	Upper
180	100		
182	94.6	46.9	140.7
145	32.2	16.0	47.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

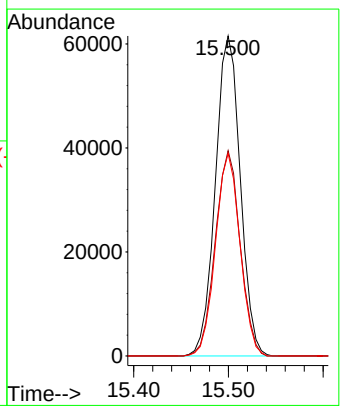


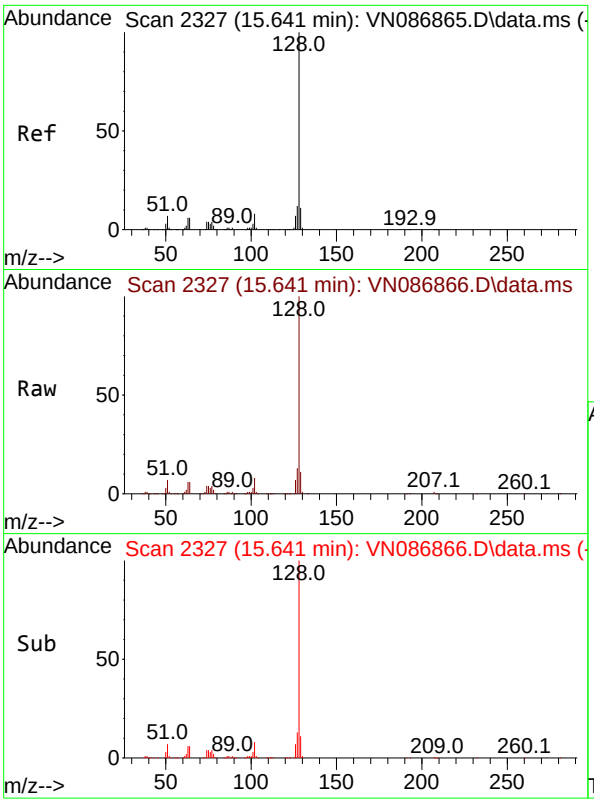


#94
Hexachlorobutadiene
Concen: 101.789 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:225 Resp: 112496

Ion	Ratio	Lower	Upper
225	100		
223	64.2	33.5	100.4
227	62.1	31.1	93.5

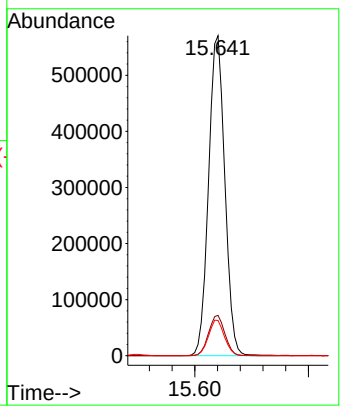




#95
Naphthalene
Concen: 102.290 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:128 Resp: 112943

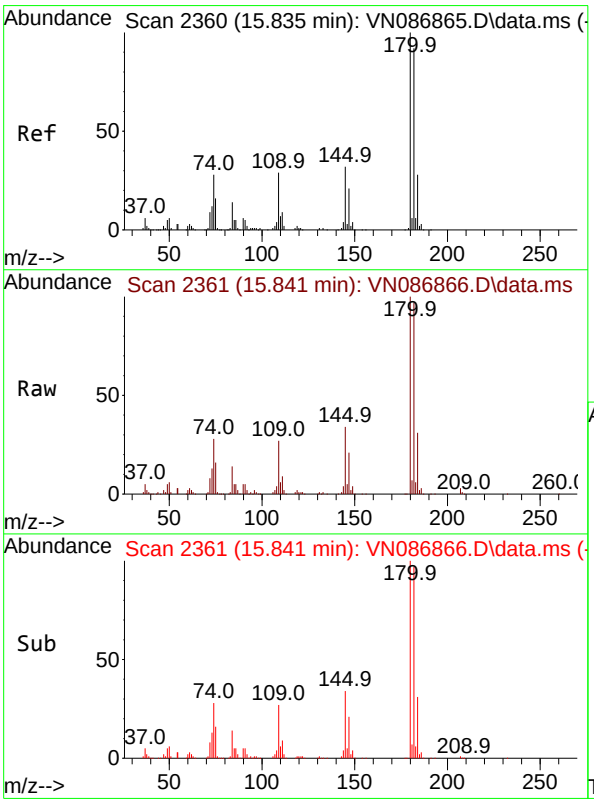
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	11.0	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

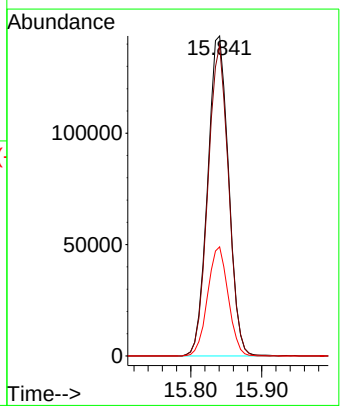
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



#96
1,2,3-Trichlorobenzene
Concen: 99.796 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:180 Resp: 294127

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.0	141.0
145	33.5	16.6	49.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	172832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	307937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	278552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	136630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	389297	168.233	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 336.460%#			
35) Dibromofluoromethane	8.176	113	324474	177.803	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 355.600%#			
50) Toluene-d8	10.570	98	1272348	176.120	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 352.240%#			
62) 4-Bromofluorobenzene	12.847	95	481421	179.364	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 358.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	262143	152.122	ug/l	100
3) Chloromethane	2.394	50	304558	136.865	ug/l	100
4) Vinyl Chloride	2.553	62	335834	146.303	ug/l	100
5) Bromomethane	2.965	94	190786	148.522	ug/l	98
6) Chloroethane	3.136	64	208568	140.664	ug/l	96
7) Trichlorofluoromethane	3.518	101	427871	142.666	ug/l	100
8) Diethyl Ether	3.983	74	191555	146.593	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.388	101	269810	143.192	ug/l	100
10) Methyl Iodide	4.606	142	352020	144.118	ug/l	99
11) Tert butyl alcohol	5.553	59	430866	686.213	ug/l	100
12) 1,1-Dichloroethene	4.353	96	273388	142.118	ug/l	98
13) Acrolein	4.194	56	171625	863.526	ug/l	99
14) Allyl chloride	5.035	41	490852	153.858	ug/l	92
15) Acrylonitrile	5.735	53	1048372	714.344	ug/l	99
16) Acetone	4.447	43	819041	667.435	ug/l	100
17) Carbon Disulfide	4.730	76	742788	139.594	ug/l	100
18) Methyl Acetate	5.041	43	523996	146.527	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	998781	143.396	ug/l	99
20) Methylene Chloride	5.300	84	311597	135.628	ug/l	99
21) trans-1,2-Dichloroethene	5.806	96	290960	135.947	ug/l	97
22) Diisopropyl ether	6.688	45	947638	140.915	ug/l	98
23) Vinyl Acetate	6.618	43	3932872	692.189	ug/l	99
24) 1,1-Dichloroethane	6.582	63	540881	139.761	ug/l	99
25) 2-Butanone	7.494	43	1381940	692.809	ug/l	99
26) 2,2-Dichloropropane	7.500	77	450112	149.519	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	363398	141.974	ug/l	99
28) Bromochloromethane	7.824	49	290594	152.718	ug/l	98
29) Tetrahydrofuran	7.847	42	898159	691.211	ug/l	98
30) Chloroform	7.976	83	534038	138.179	ug/l	97
31) Cyclohexane	8.265	56	505795	134.766	ug/l	96
32) 1,1,1-Trichloroethane	8.176	97	462854	140.807	ug/l	99
36) 1,1-Dichloropropene	8.376	75	393166	144.584	ug/l	100
37) Ethyl Acetate	7.571	43	494000	142.706	ug/l	99
38) Carbon Tetrachloride	8.371	117	388595	145.557	ug/l	98
39) Methylcyclohexane	9.606	83	544437	146.136	ug/l	97
40) Benzene	8.612	78	1266139	142.388	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.788	41	276400	142.174 ug/l	98
42) 1,2-Dichloroethane	8.676	62	381516	141.455 ug/l	100
43) Isopropyl Acetate	8.694	43	780791	140.531 ug/l	99
44) Trichloroethene	9.359	130	302548	143.490 ug/l	96
45) 1,2-Dichloropropane	9.623	63	309047	142.856 ug/l	100
46) Dibromomethane	9.712	93	208461	145.074 ug/l	100
47) Bromodichloromethane	9.894	83	430011	145.449 ug/l	100
48) Methyl methacrylate	9.688	41	366967	143.502 ug/l	99
49) 1,4-Dioxane	9.712	88	138035	2967.116 ug/l #	100
51) 4-Methyl-2-Pentanone	10.447	43	2438311	728.995 ug/l	98
52) Toluene	10.635	92	793270	145.976 ug/l	100
53) t-1,3-Dichloropropene	10.841	75	489809	148.163 ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	518092	146.469 ug/l	99
55) 1,1,2-Trichloroethane	11.017	97	298151	142.588 ug/l	99
56) Ethyl methacrylate	10.876	69	533912	160.311 ug/l	98
57) 1,3-Dichloropropane	11.165	76	516391	142.363 ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	1869543	941.147 ug/l	99
59) 2-Hexanone	11.200	43	1735777	805.662 ug/l	99
60) Dibromochloromethane	11.365	129	322064	147.832 ug/l	98
61) 1,2-Dibromoethane	11.470	107	314606	146.790 ug/l	99
64) Tetrachloroethene	11.106	164	245122	139.048 ug/l	97
65) Chlorobenzene	11.894	112	860345	140.041 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	282739	143.171 ug/l	99
67) Ethyl Benzene	11.964	91	1517883	143.438 ug/l	98
68) m/p-Xylenes	12.070	106	1175378	290.155 ug/l	99
69) o-Xylene	12.400	106	566301	145.966 ug/l	100
70) Styrene	12.411	104	972318	146.459 ug/l	100
71) Bromoform	12.582	173	223200	152.538 ug/l #	99
73) Isopropylbenzene	12.694	105	1453651	146.042 ug/l	100
74) N-amyl acetate	12.500	43	543747	164.596 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.941	83	474426	140.693 ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	468041m	143.665 ug/l	
77) Bromobenzene	12.982	156	335734	147.077 ug/l	98
78) n-propylbenzene	13.035	91	1769694	146.301 ug/l	99
79) 2-Chlorotoluene	13.123	91	1046916	144.317 ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	1210325	147.279 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	216253	153.277 ug/l	95
82) 4-Chlorotoluene	13.223	91	1063581	144.900 ug/l	100
83) tert-Butylbenzene	13.435	119	1093406	145.352 ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	1216529	147.626 ug/l	100
85) sec-Butylbenzene	13.617	105	1582762	144.885 ug/l	99
86) p-Isopropyltoluene	13.729	119	1322780	146.482 ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	641966	142.939 ug/l	100
88) 1,4-Dichlorobenzene	13.811	146	646188	141.124 ug/l	99
89) n-Butylbenzene	14.053	91	1251819	143.117 ug/l	100
90) Hexachloroethane	14.335	117	230195	150.387 ug/l	98
91) 1,2-Dichlorobenzene	14.105	146	613177	142.108 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	110677	137.242 ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	407621	147.940 ug/l	99
94) Hexachlorobutadiene	15.500	225	151172	147.264 ug/l	98
95) Naphthalene	15.641	128	1545981	150.743 ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	404450	147.743 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 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

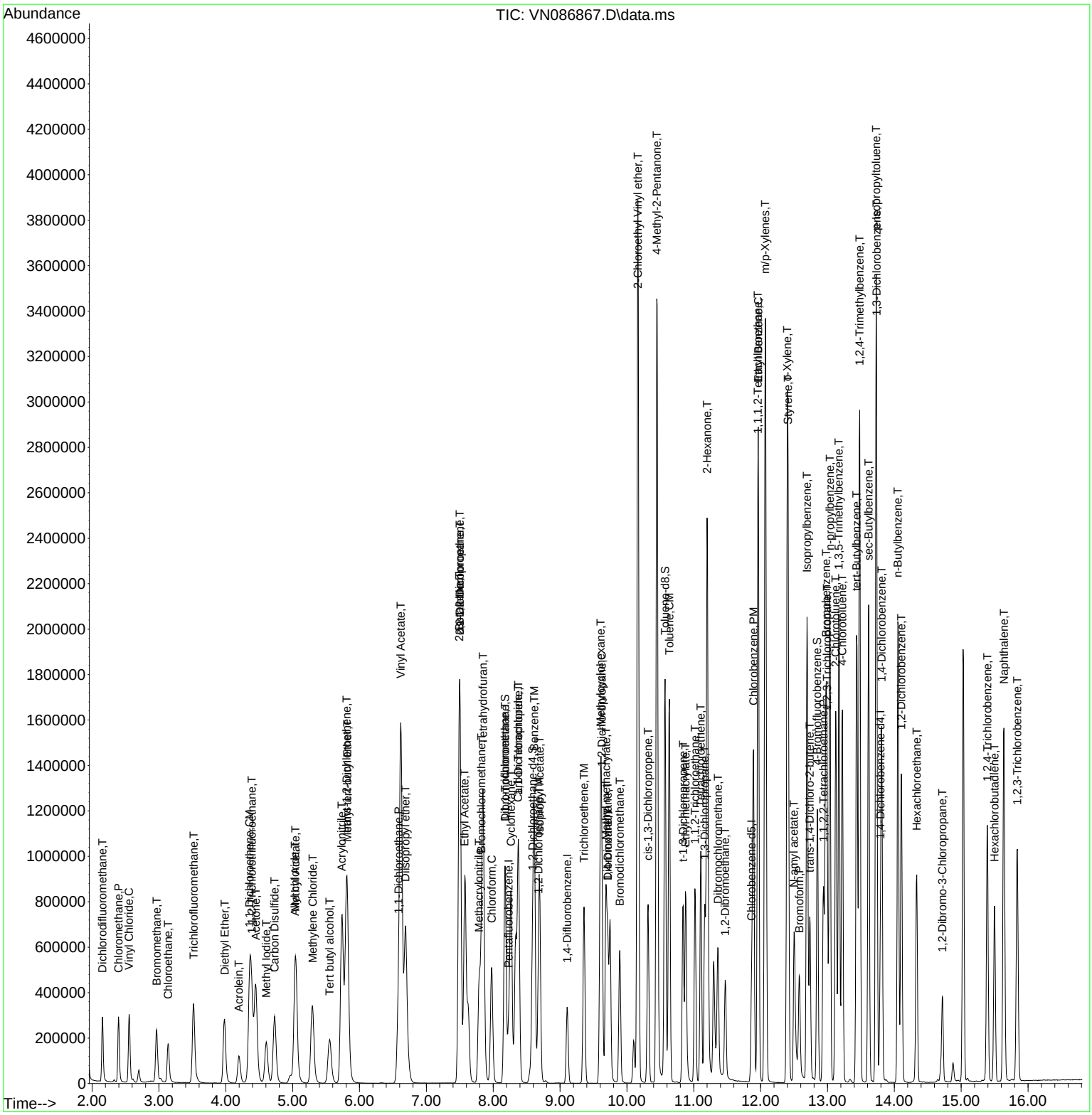
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

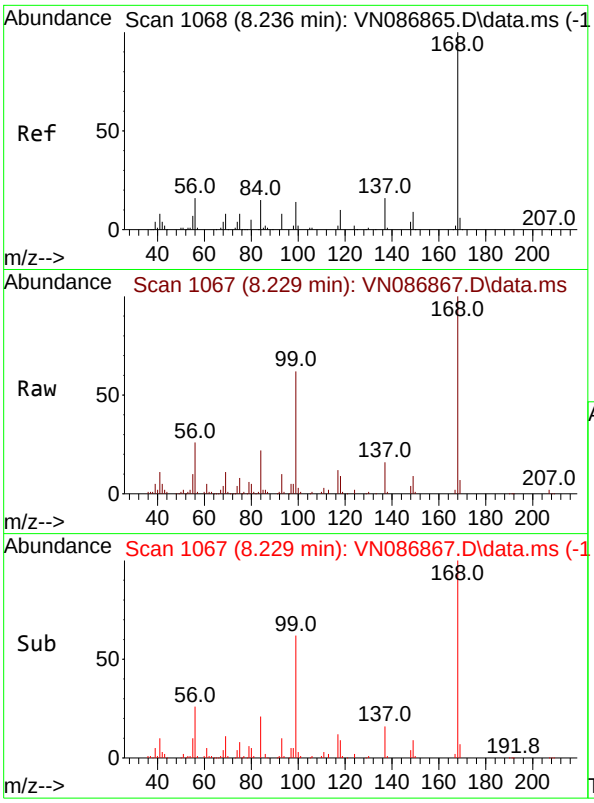
Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

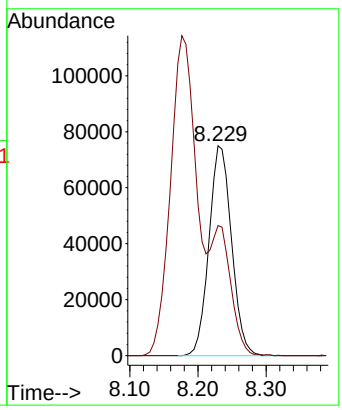




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.007 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:168 Resp: 17283

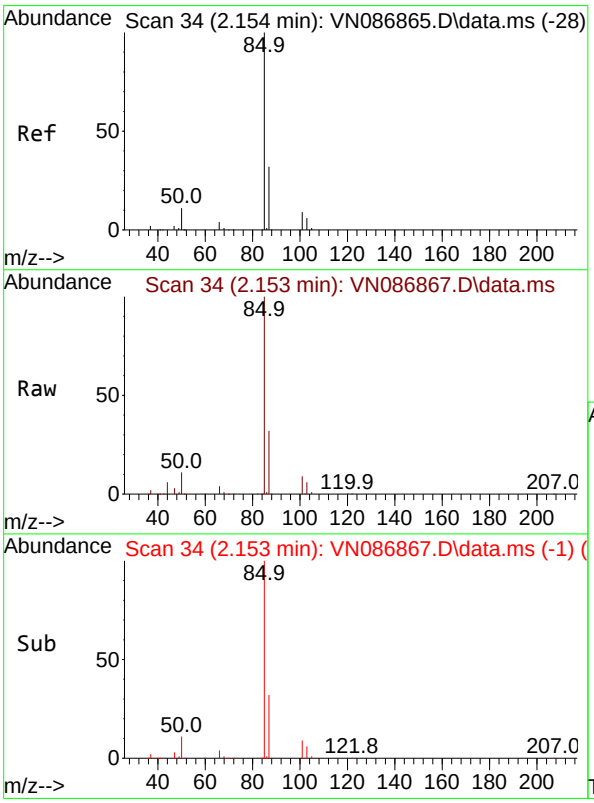
Ion	Ratio	Lower	Upper
168	100		
99	61.8	49.1	73.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

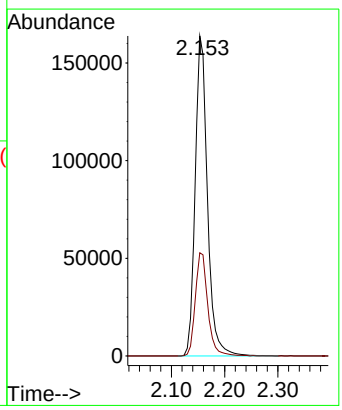
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

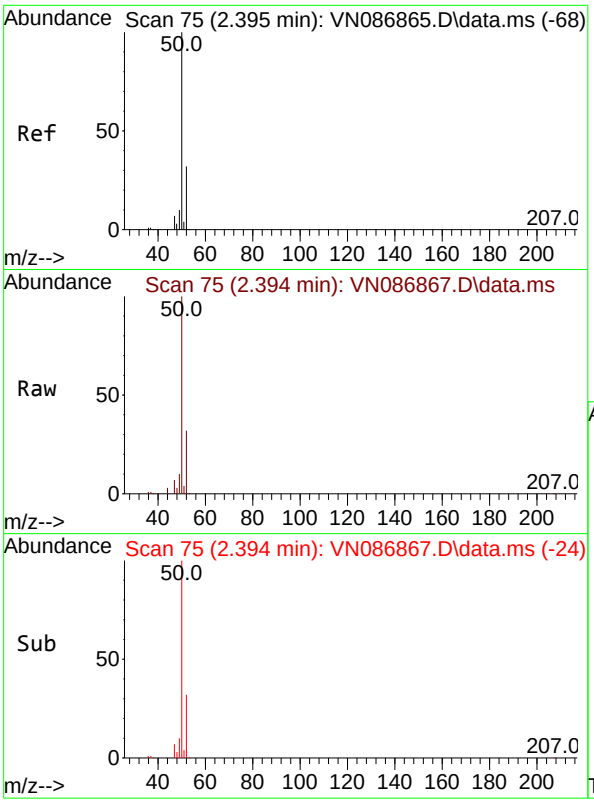


#2
Dichlorodifluoromethane
Concen: 152.122 ug/l
RT: 2.153 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 85 Resp: 262143

Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.2	48.6

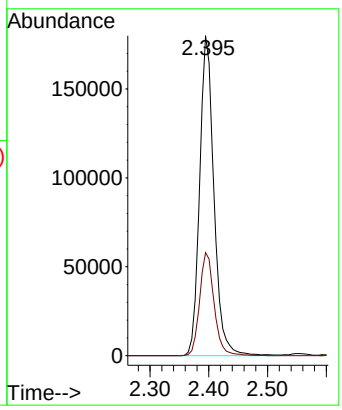




#3
Chloromethane
Concen: 136.865 ug/l
RT: 2.394 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 50 Resp: 30455

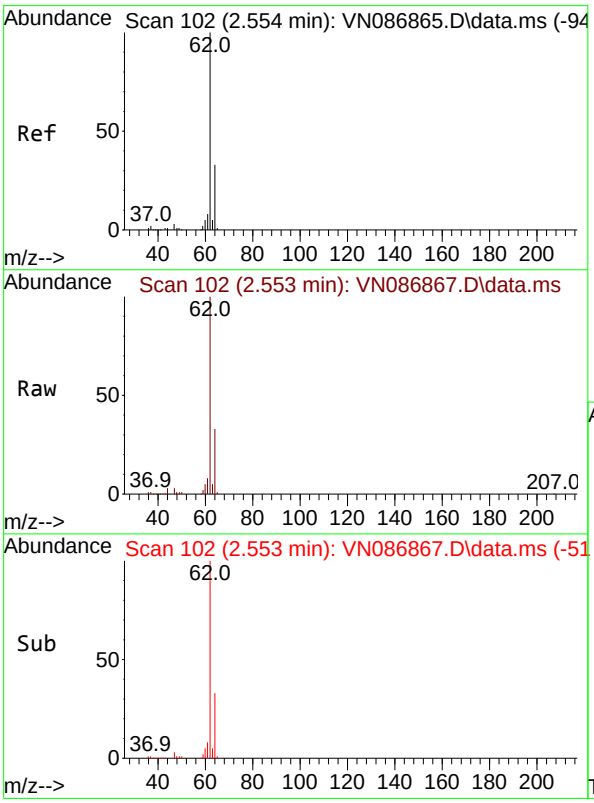
Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

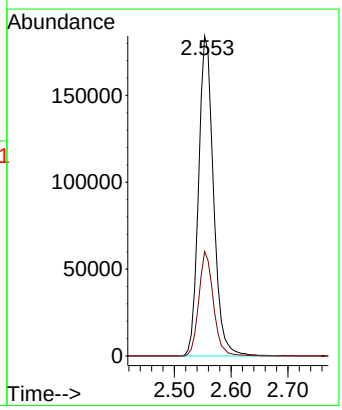
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

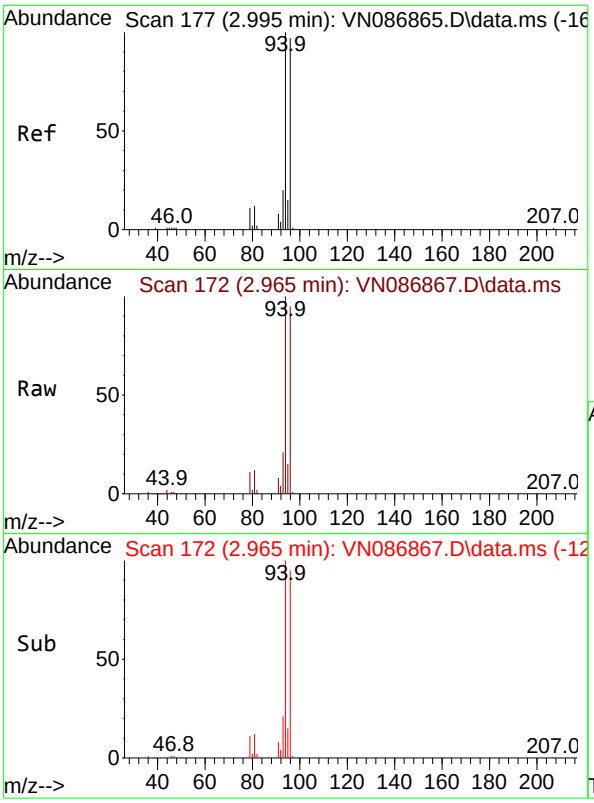


#4
Vinyl Chloride
Concen: 146.303 ug/l
RT: 2.553 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 62 Resp: 335834

Ion	Ratio	Lower	Upper
62	100		
64	32.6	26.0	39.0

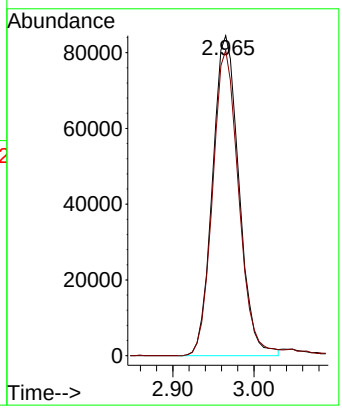




#5
Bromomethane
Concen: 148.522 ug/l
RT: 2.965 min Scan# 1
Delta R.T. -0.030 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 94 Resp: 19078

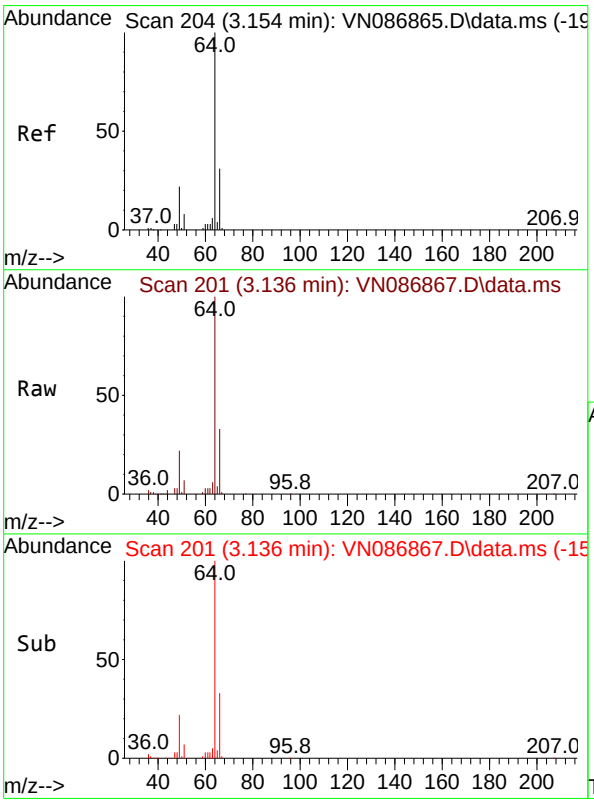
Ion	Ratio	Lower	Upper
94	100		
96	95.5	77.9	116.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

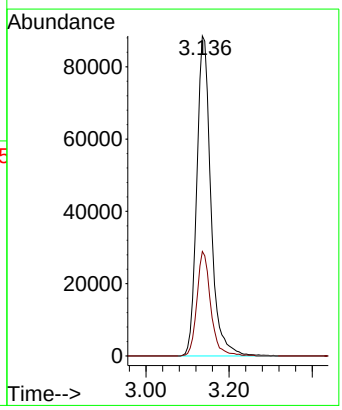
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

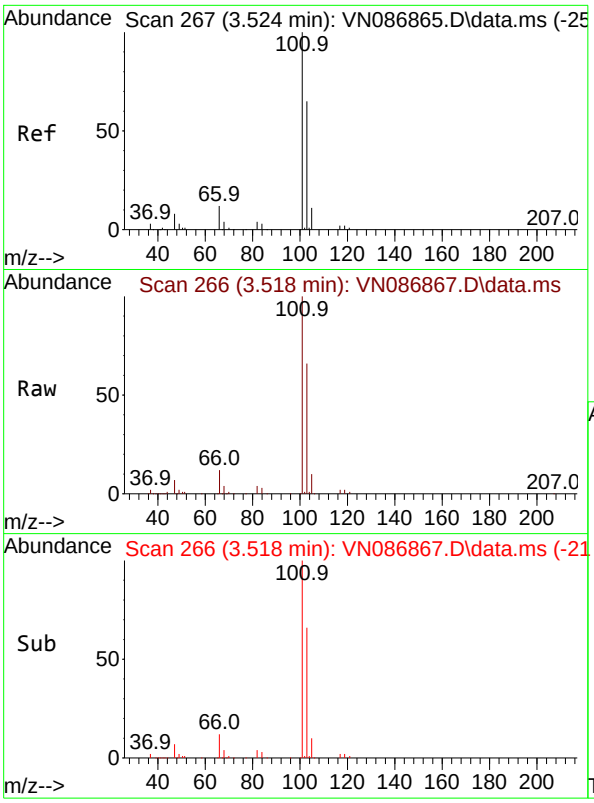


#6
Chloroethane
Concen: 140.664 ug/l
RT: 3.136 min Scan# 201
Delta R.T. -0.018 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 64 Resp: 208568

Ion	Ratio	Lower	Upper
64	100		
66	32.7	24.6	36.8

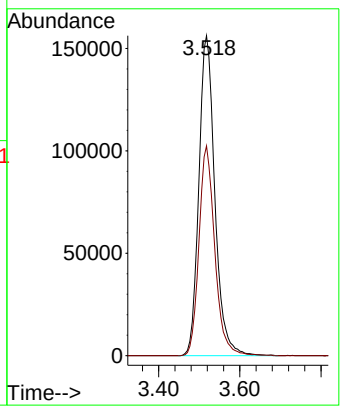




#7
Trichlorofluoromethane
Concen: 142.666 ug/l
RT: 3.518 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:101 Resp: 42787

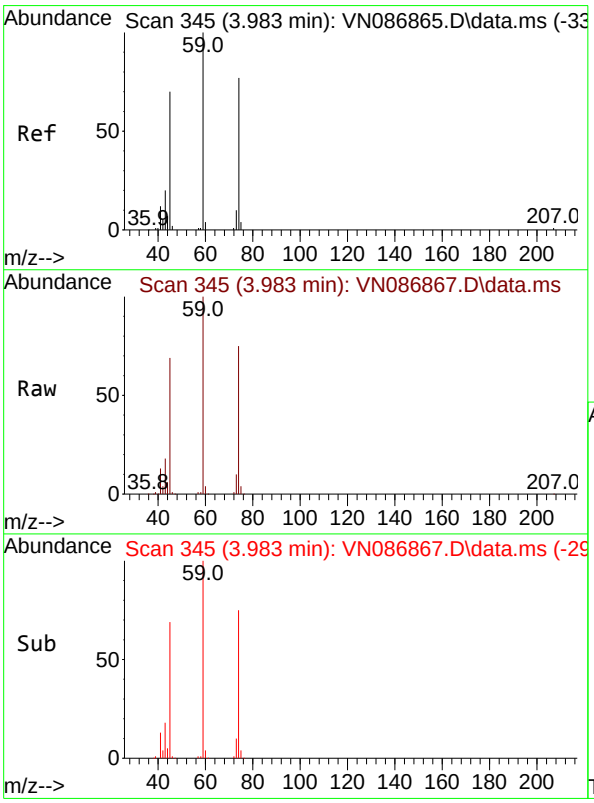
Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.2	78.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

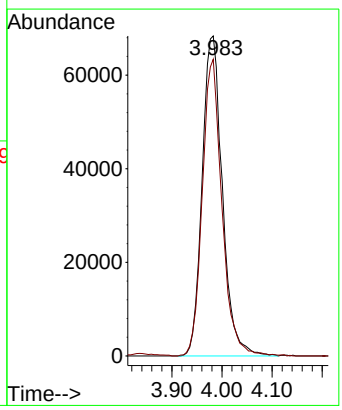
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

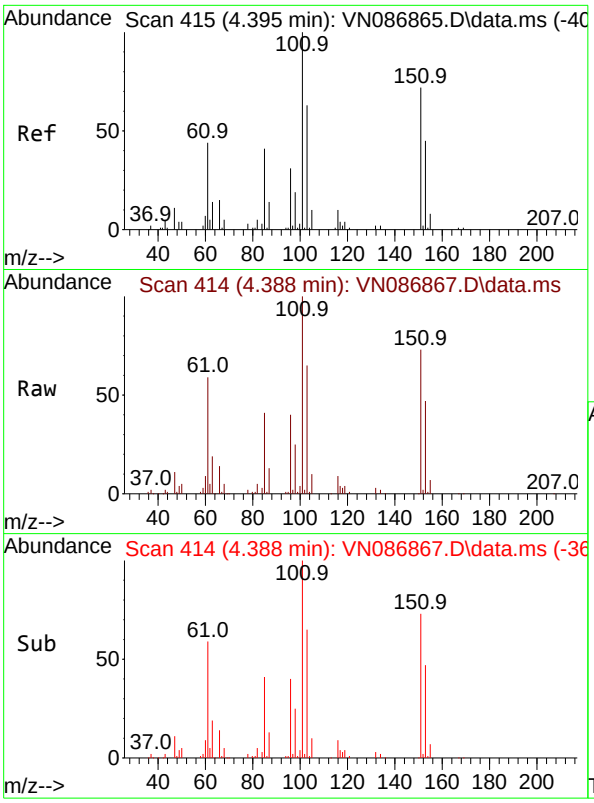


#8
Diethyl Ether
Concen: 146.593 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 74 Resp: 191555

Ion	Ratio	Lower	Upper
74	100		
45	90.3	45.5	136.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 143.192 ug/l
RT: 4.388 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

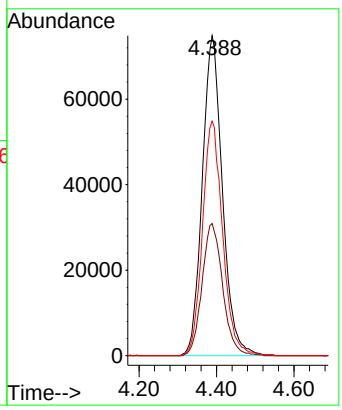
Tgt Ion:101 Resp: 26981

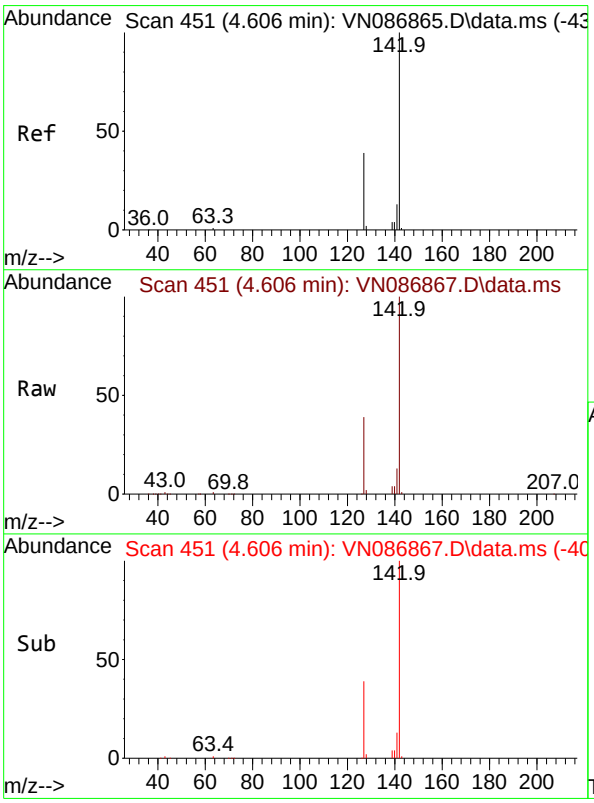
Ion	Ratio	Lower	Upper
101	100		
85	42.3	33.8	50.8
151	73.5	58.7	88.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

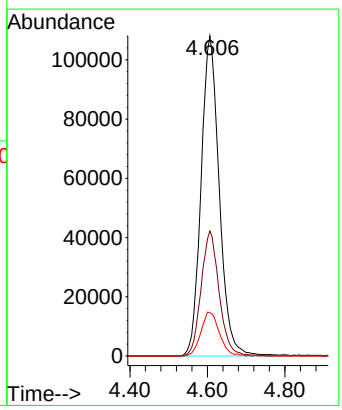


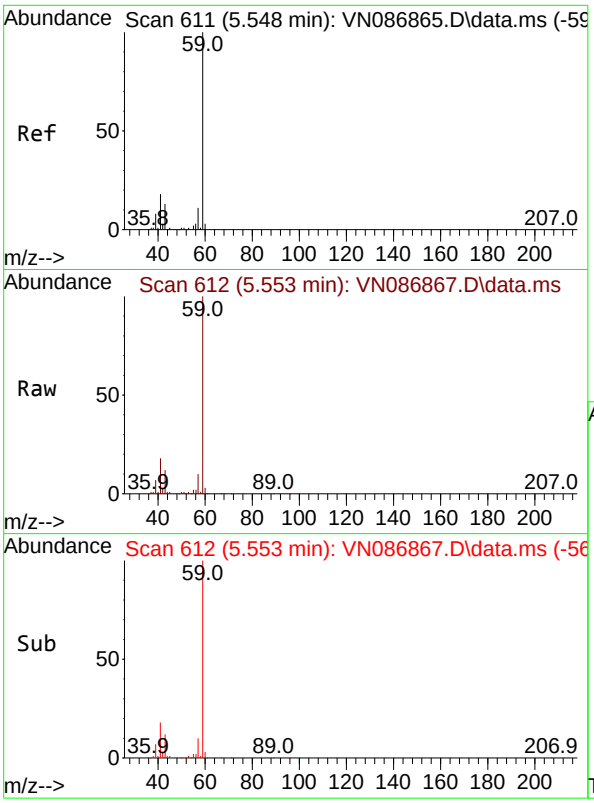


#10
Methyl Iodide
Concen: 144.118 ug/l
RT: 4.606 min Scan# 451
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:142 Resp: 352020

Ion	Ratio	Lower	Upper
142	100		
127	39.1	30.9	46.3
141	13.5	10.4	15.6

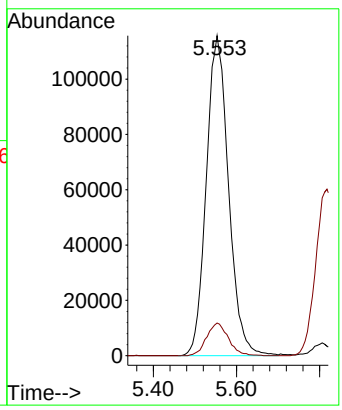




#11
Tert butyl alcohol
Concen: 686.213 ug/l
RT: 5.553 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 59 Resp: 43086

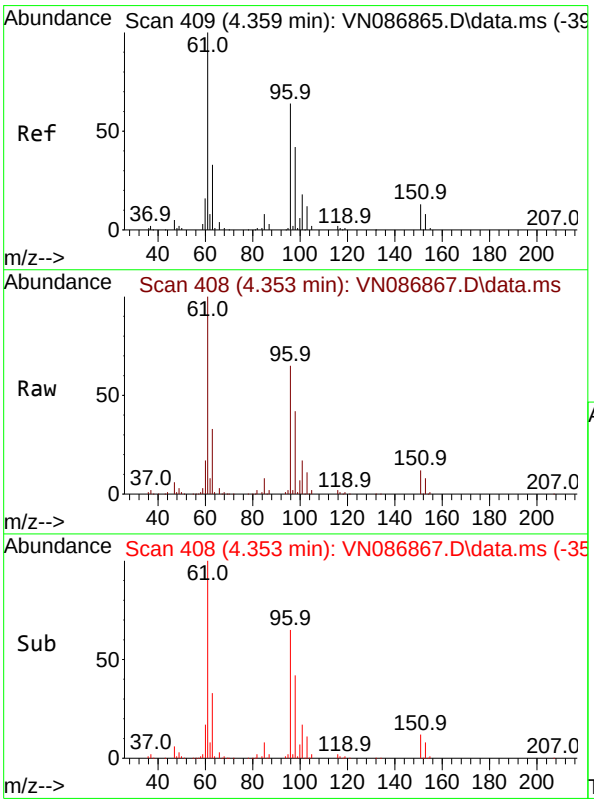
Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.1	12.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

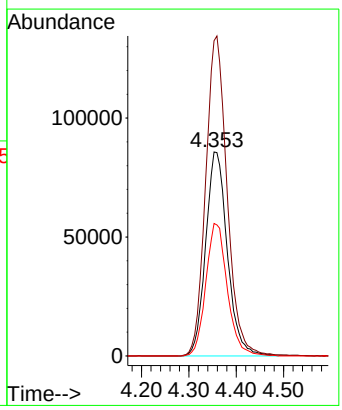
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

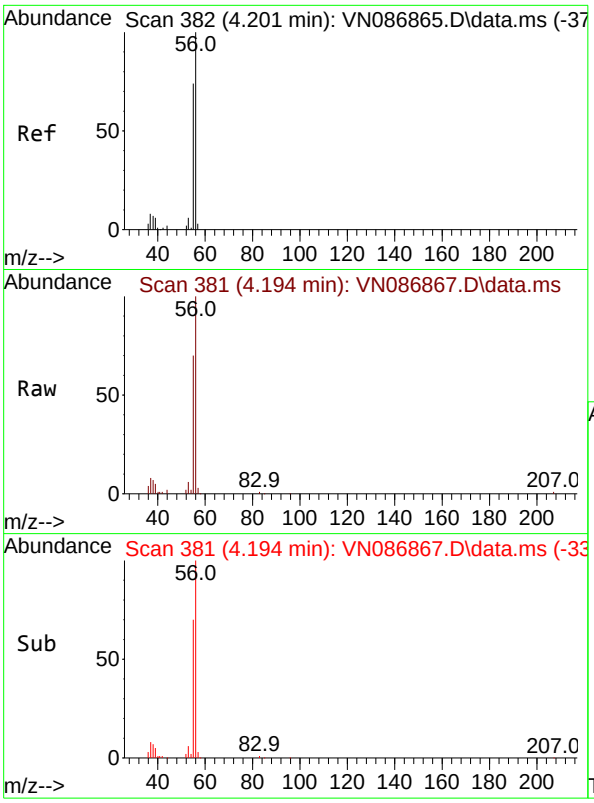


#12
1,1-Dichloroethene
Concen: 142.118 ug/l
RT: 4.353 min Scan# 408
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 96 Resp: 273388

Ion	Ratio	Lower	Upper
96	100		
61	154.5	125.8	188.6
98	64.9	52.5	78.7

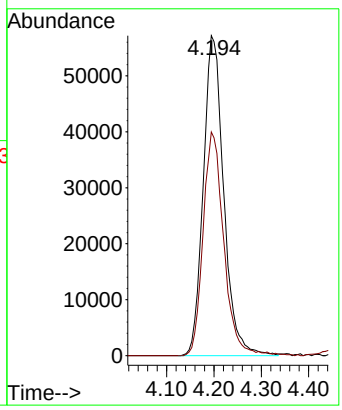




#13
Acrolein
Concen: 863.526 ug/l
RT: 4.194 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 56 Resp: 17162

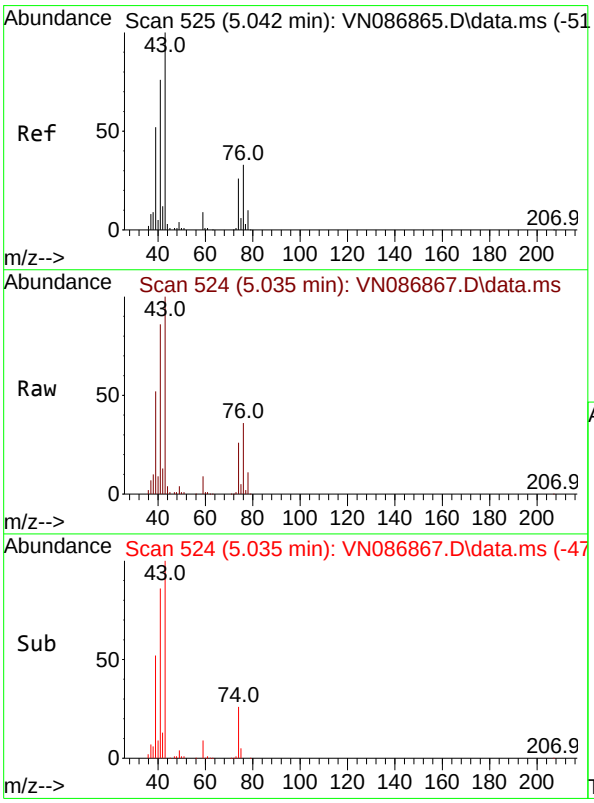
Ion	Ratio	Lower	Upper
56	100		
55	70.4	55.6	83.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

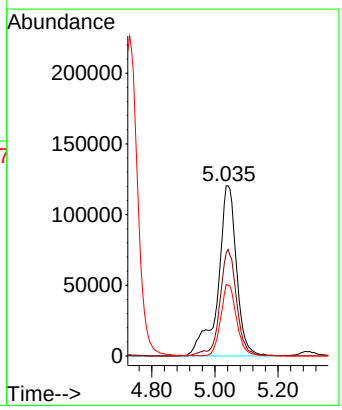
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

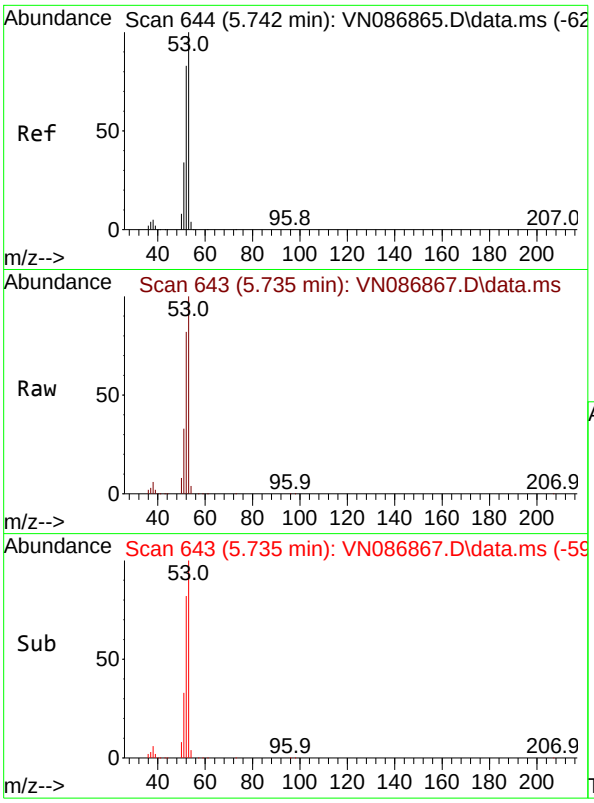


#14
Allyl chloride
Concen: 153.858 ug/l
RT: 5.035 min Scan# 524
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 41 Resp: 490852

Ion	Ratio	Lower	Upper
41	100		
39	56.4	51.3	76.9
76	35.7	31.4	47.0

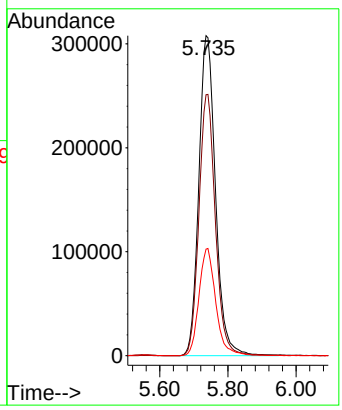




#15
Acrylonitrile
Concen: 714.344 ug/l
RT: 5.735 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 53 Resp: 104837

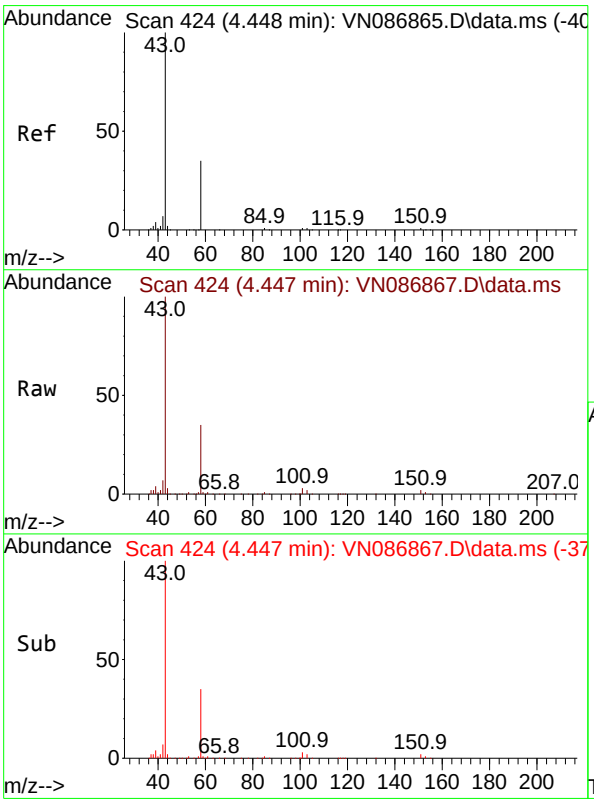
Ion	Ratio	Lower	Upper
53	100		
52	80.7	65.0	97.6
51	33.8	27.2	40.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

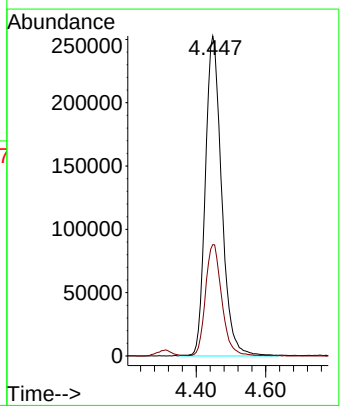
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

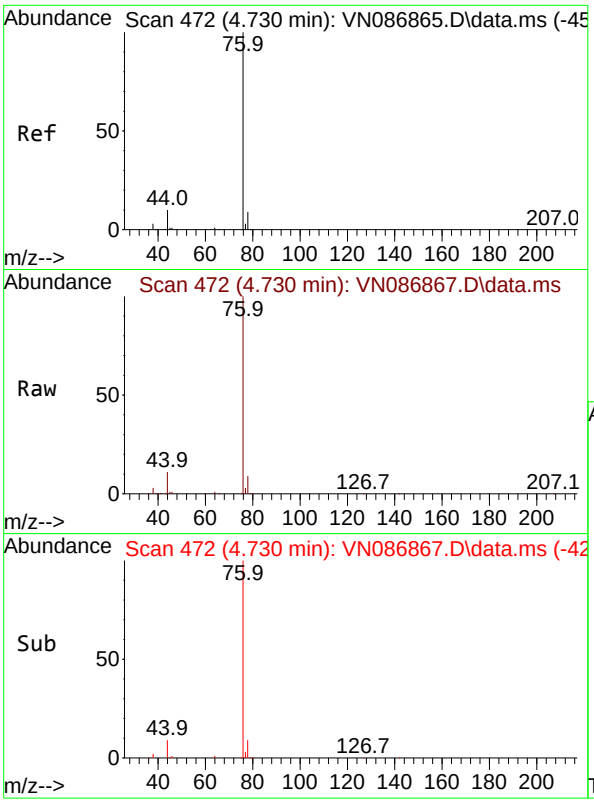


#16
Acetone
Concen: 667.435 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 43 Resp: 819041

Ion	Ratio	Lower	Upper
43	100		
58	34.7	28.0	42.0

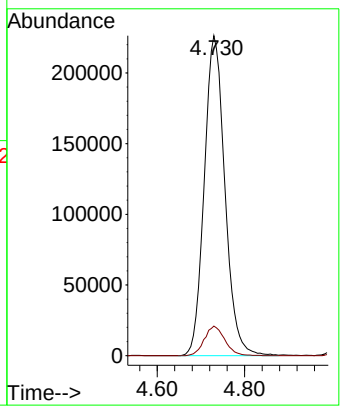




#17
Carbon Disulfide
Concen: 139.594 ug/l
RT: 4.730 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 76 Resp: 74278

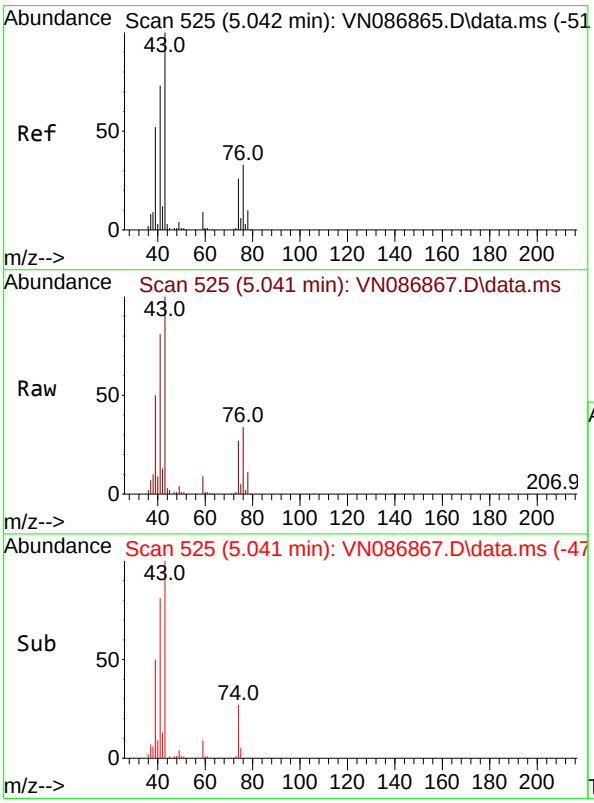
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

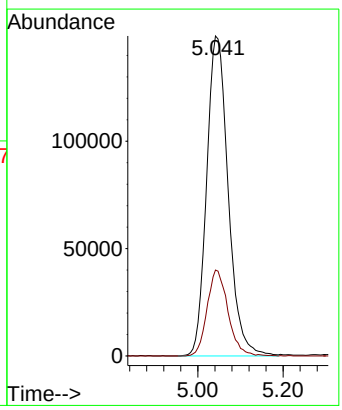
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

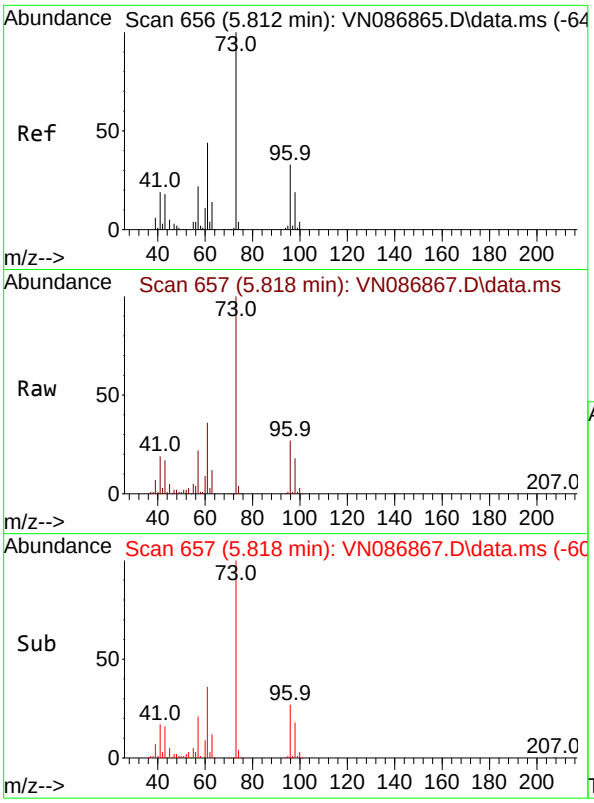


#18
Methyl Acetate
Concen: 146.527 ug/l
RT: 5.041 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 43 Resp: 523996

Ion	Ratio	Lower	Upper
43	100		
74	26.1	20.7	31.1

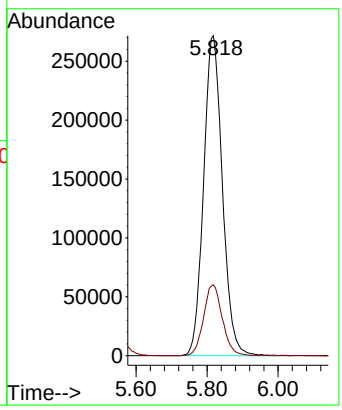




#19
Methyl tert-butyl Ether
Concen: 143.396 ug/l
RT: 5.818 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 73 Resp: 99878

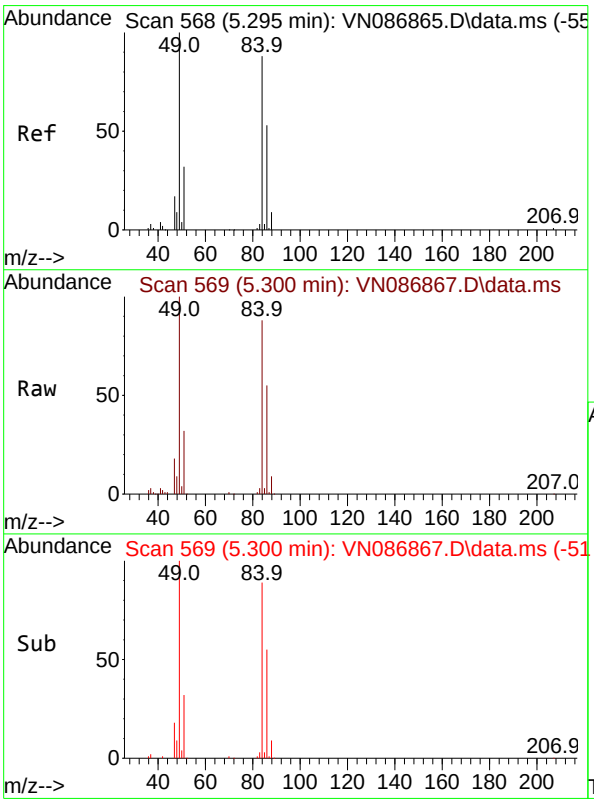
Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.4	26.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

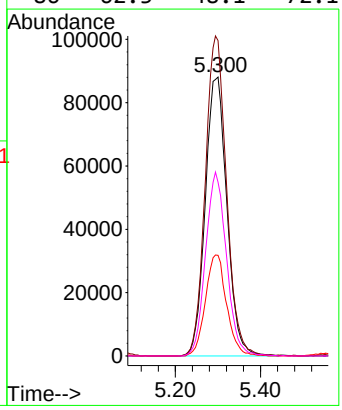
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

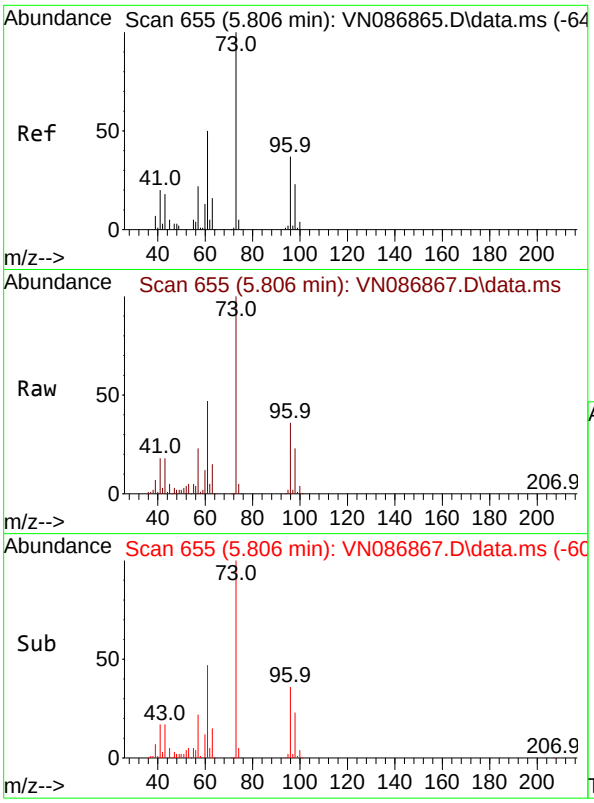


#20
Methylene Chloride
Concen: 135.628 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 84 Resp: 311597

Ion	Ratio	Lower	Upper
84	100		
49	113.0	90.5	135.7
51	36.1	28.5	42.7
86	62.3	48.1	72.1

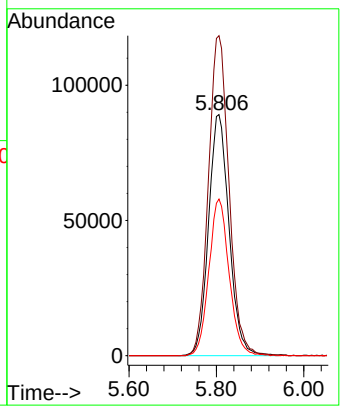




#21
trans-1,2-Dichloroethene
Concen: 135.947 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 96 Resp: 29096

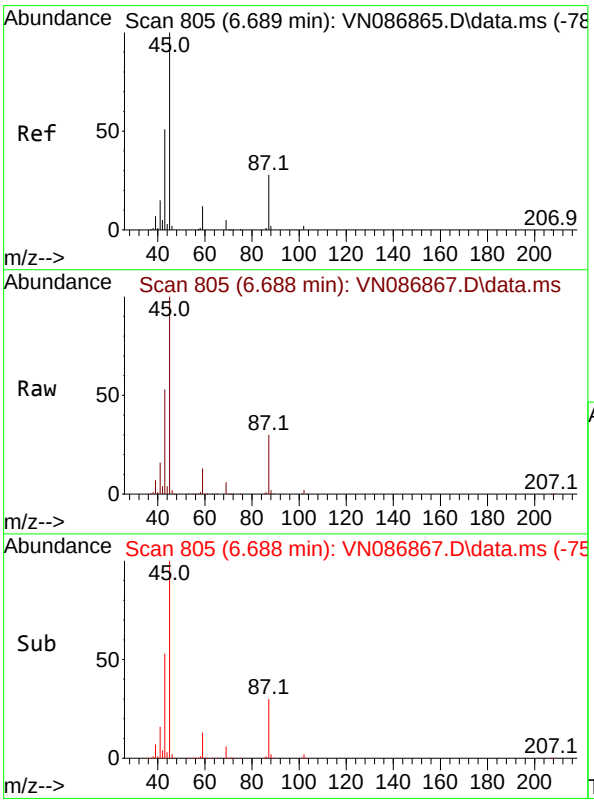
Ion	Ratio	Lower	Upper
96	100		
61	132.7	109.2	163.8
98	65.0	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

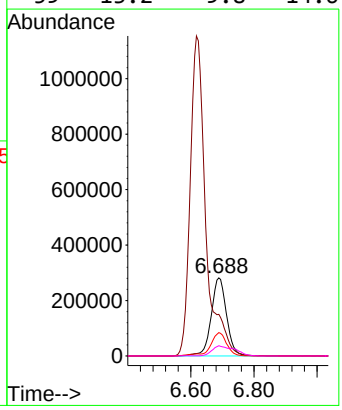
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

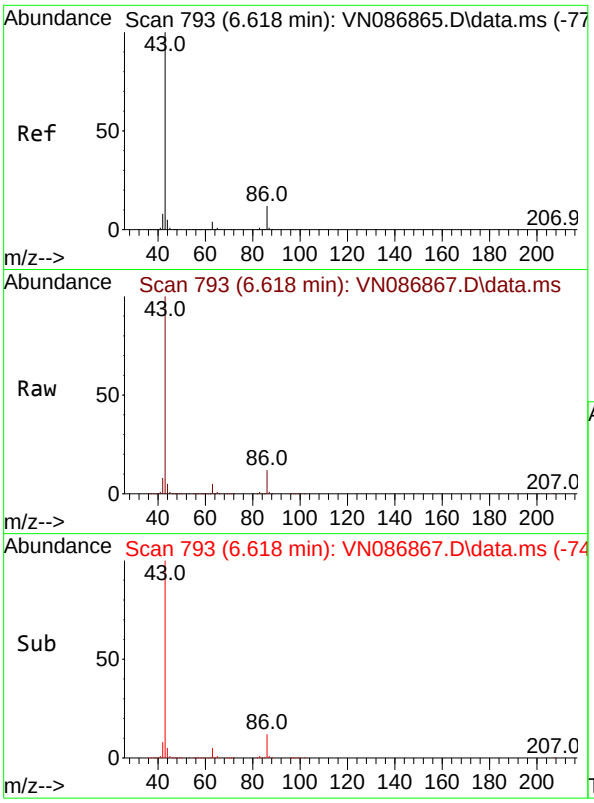


#22
Diisopropyl ether
Concen: 140.915 ug/l
RT: 6.688 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 45 Resp: 947638

Ion	Ratio	Lower	Upper
45	100		
43	53.1	41.9	62.9
87	29.9	22.4	33.6
59	13.2	9.8	14.6

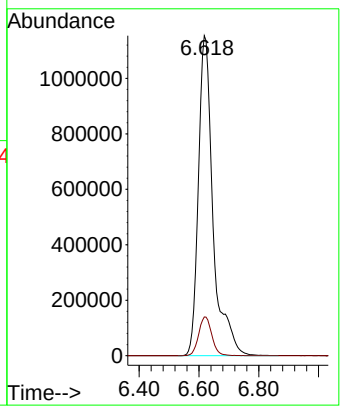




#23
Vinyl Acetate
Concen: 692.189 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 43 Resp: 393287

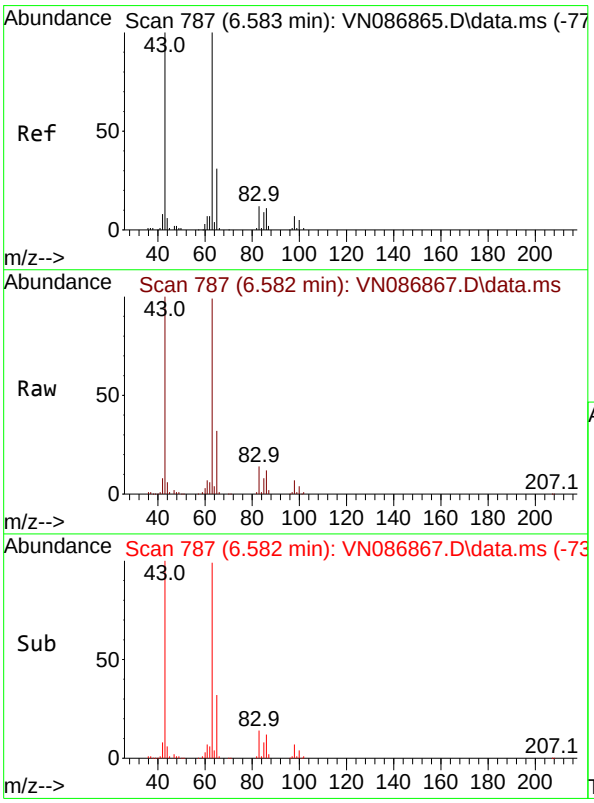
Ion	Ratio	Lower	Upper
43	100		
86	12.1	9.5	14.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

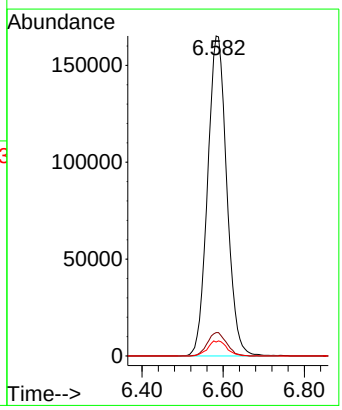
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

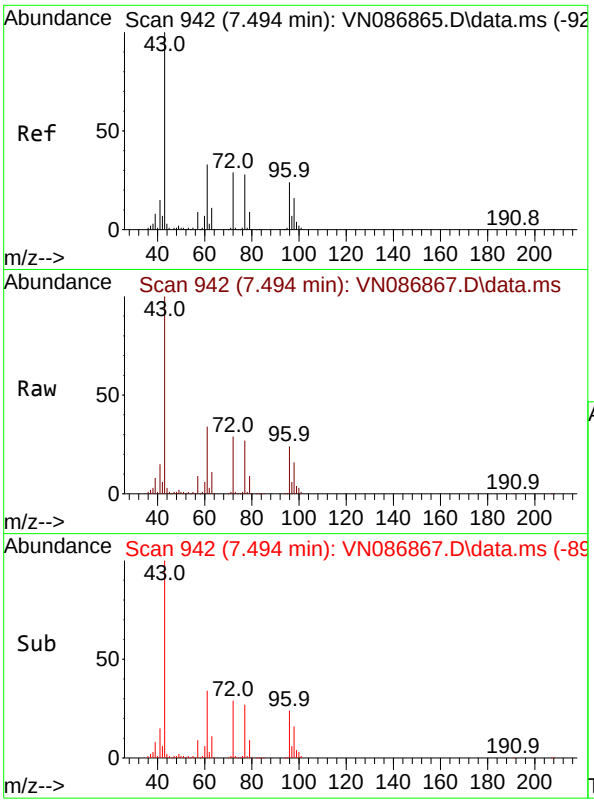


#24
1,1-Dichloroethane
Concen: 139.761 ug/l
RT: 6.582 min Scan# 787
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 63 Resp: 540881

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.6	10.8
100	4.4	2.6	7.8





#25
2-Butanone
Concen: 692.809 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

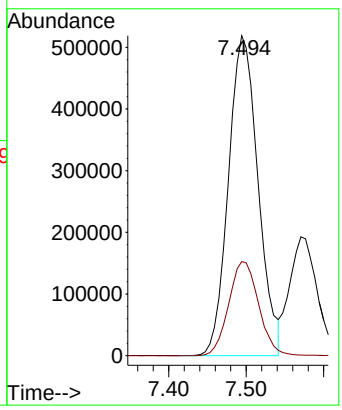
Tgt Ion: 43 Resp: 138194

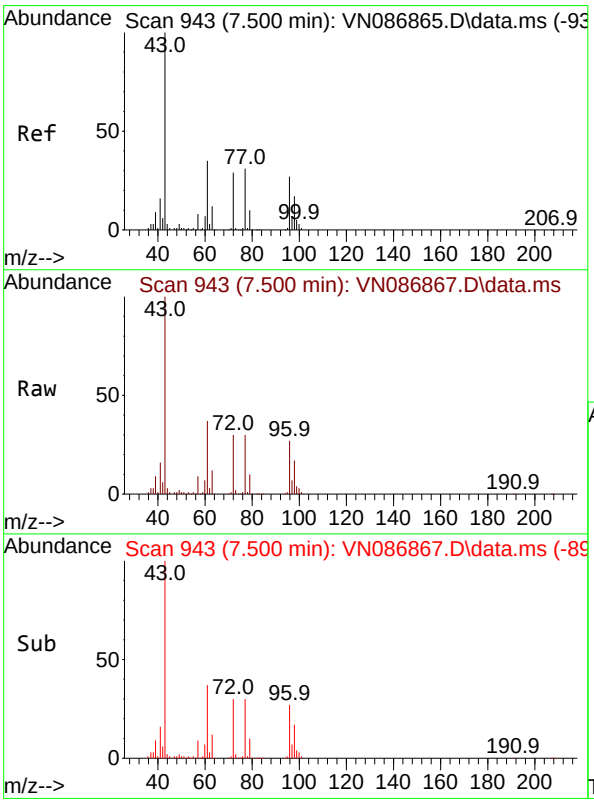
Ion	Ratio	Lower	Upper
43	100		
72	29.4	23.0	34.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

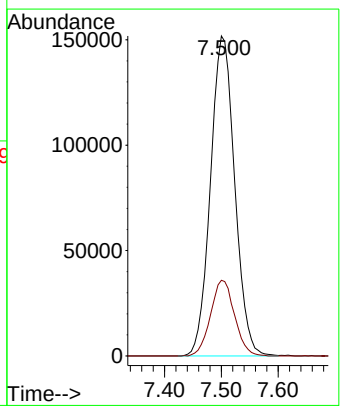


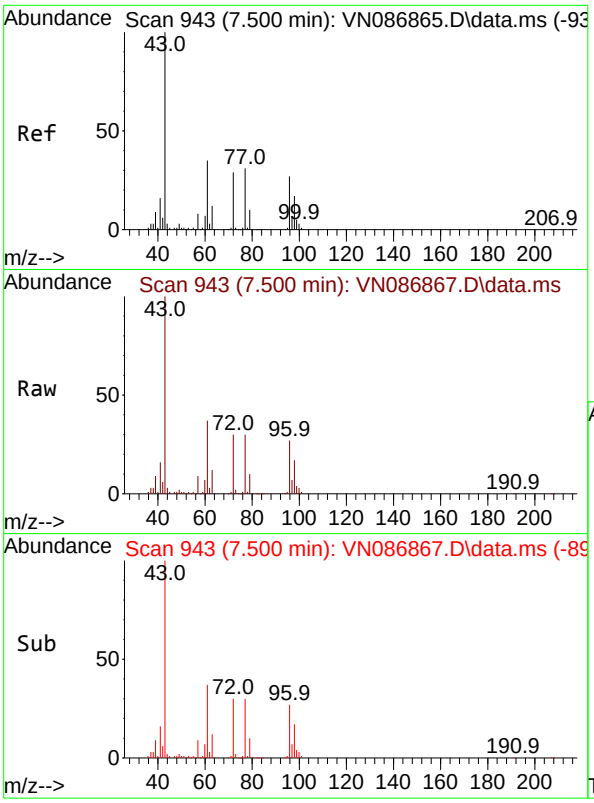


#26
2,2-Dichloropropane
Concen: 149.519 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 77 Resp: 450112

Ion	Ratio	Lower	Upper
77	100		
97	23.4	11.6	34.7





#27
cis-1,2-Dichloroethene
Concen: 141.974 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

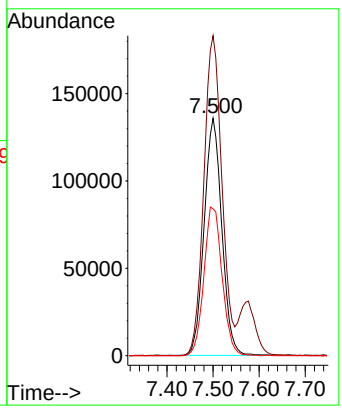
Tgt Ion: 96 Resp: 363398

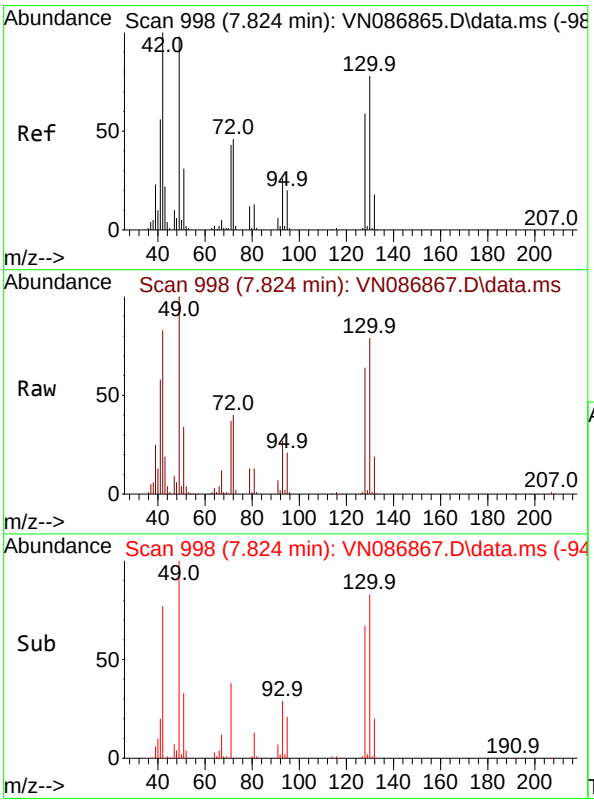
Ion	Ratio	Lower	Upper
96	100		
61	138.0	0.0	278.0
98	64.5	0.0	128.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

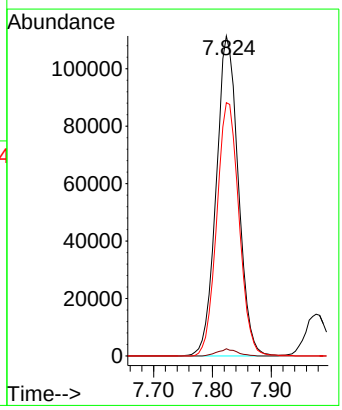


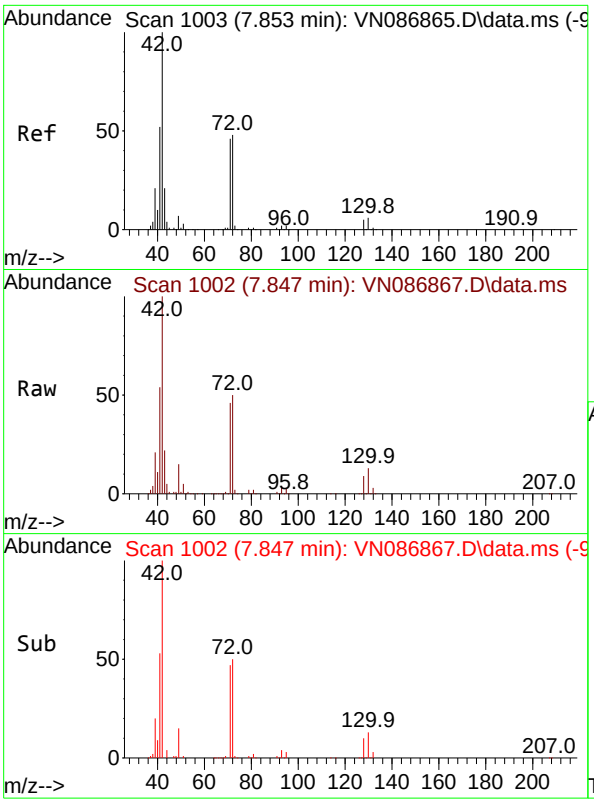


#28
Bromochloromethane
Concen: 152.718 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 49 Resp: 290594

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	79.8	62.2	93.2

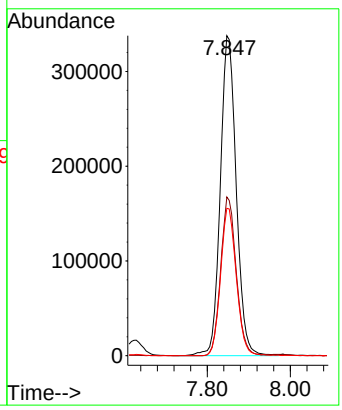




#29
Tetrahydrofuran
Concen: 691.211 ug/l
RT: 7.847 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 42 Resp: 89815

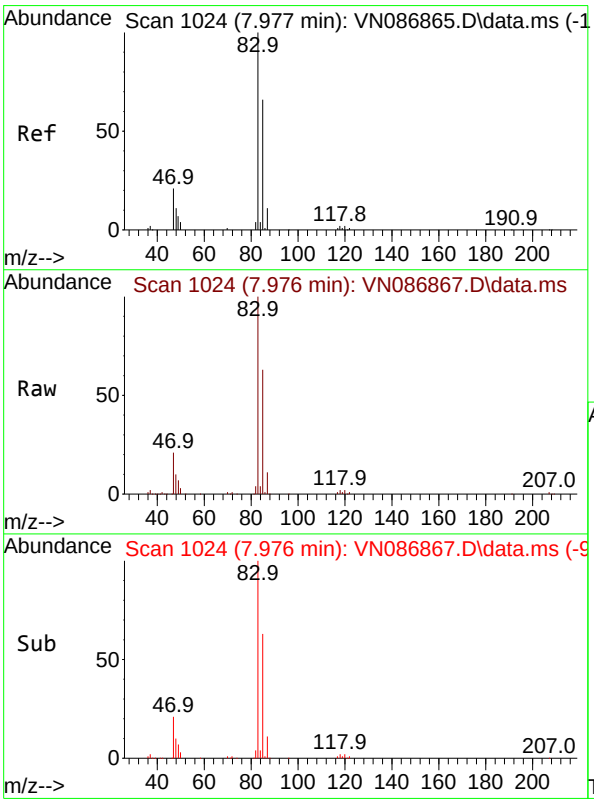
Ion	Ratio	Lower	Upper
42	100		
72	48.5	37.8	56.6
71	45.4	35.6	53.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

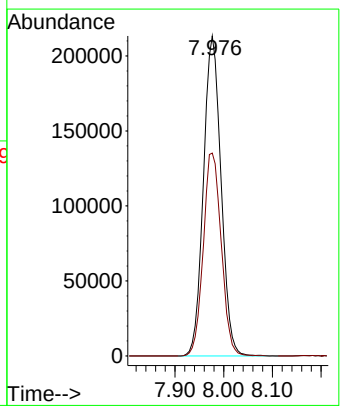
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

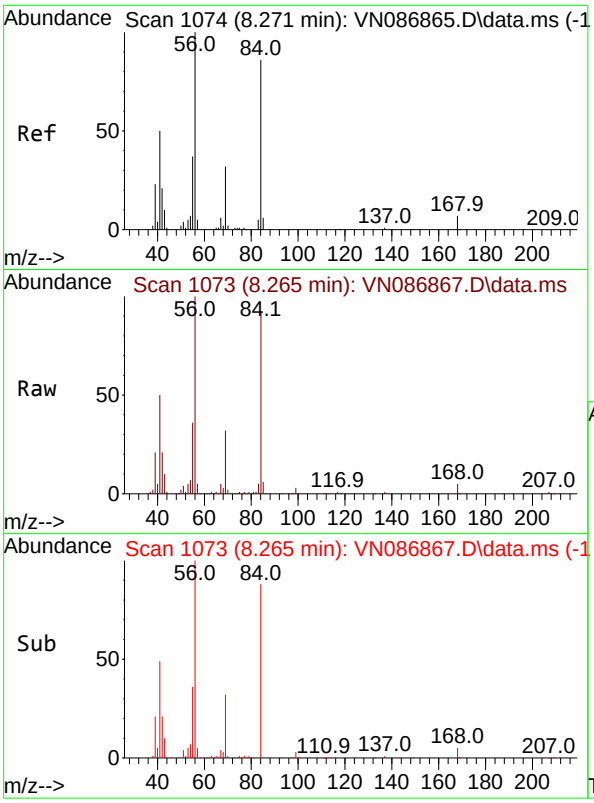


#30
Chloroform
Concen: 138.179 ug/l
RT: 7.976 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 83 Resp: 534038

Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.9	79.3





#31
Cyclohexane
Concen: 134.766 ug/l
RT: 8.265 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

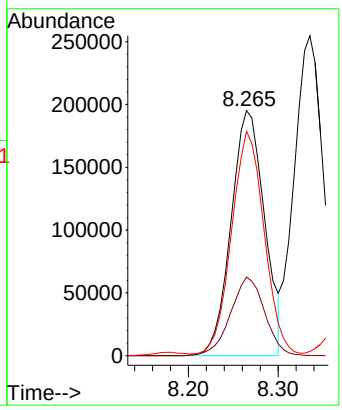
Tgt Ion: 56 Resp: 50579

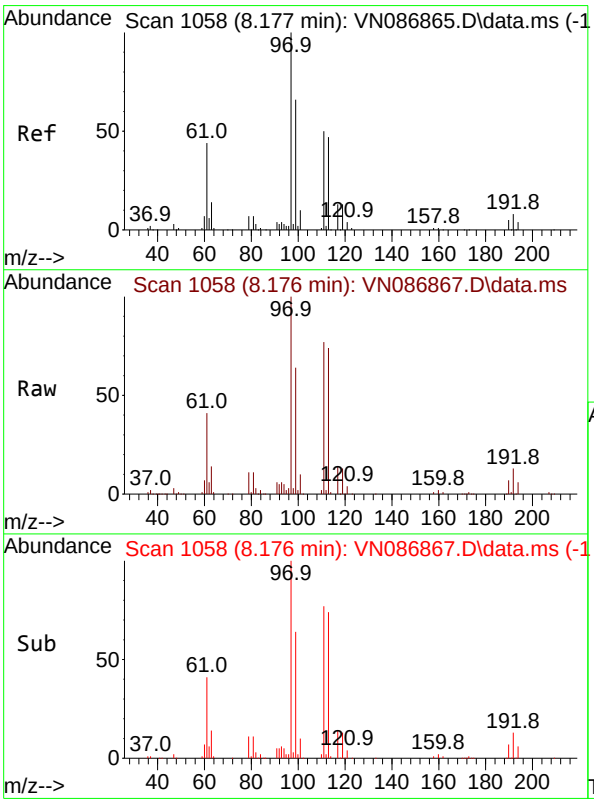
Ion	Ratio	Lower	Upper
56	100		
69	32.0	25.4	38.0
84	90.6	68.8	103.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

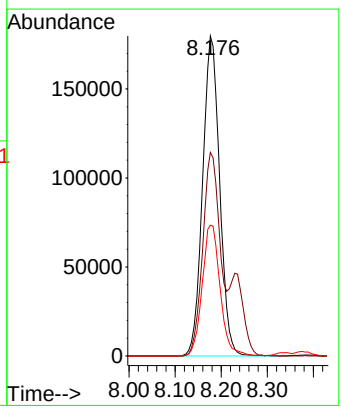


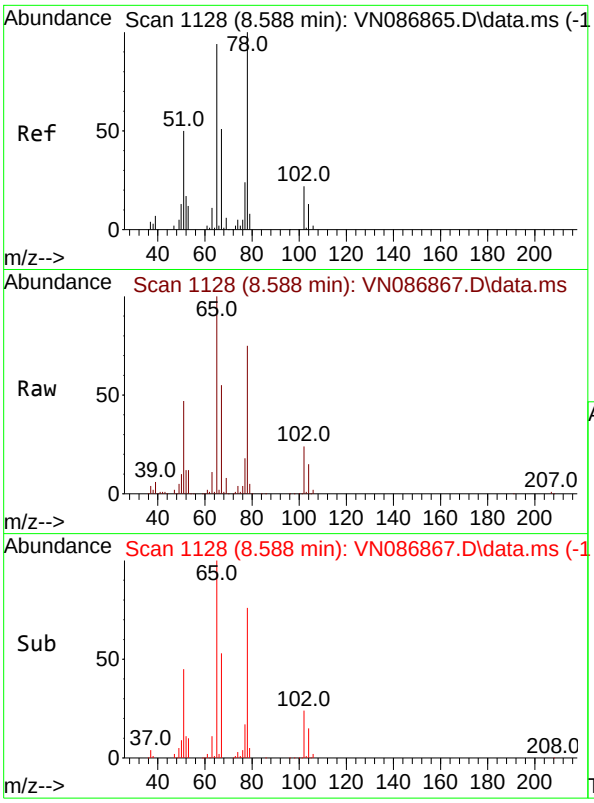


#32
1,1,1-Trichloroethane
Concen: 140.807 ug/l
RT: 8.176 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 97 Resp: 462854

Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.0	78.0
61	43.2	35.9	53.9





#33
1,2-Dichloroethane-d4
Concen: 168.233 ug/l
RT: 8.588 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

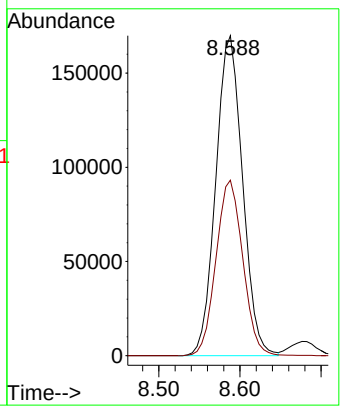
Tgt Ion: 65 Resp: 38929

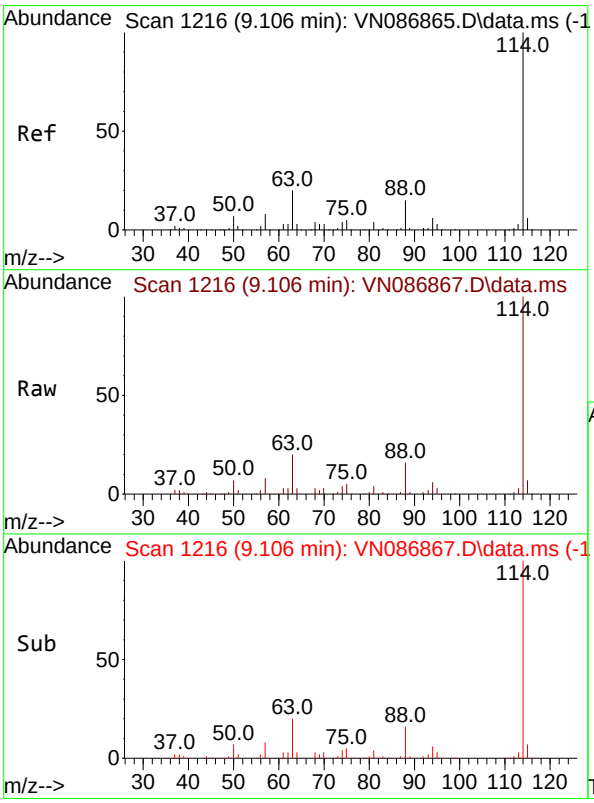
Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	105.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

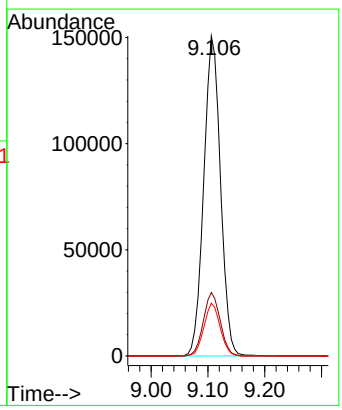


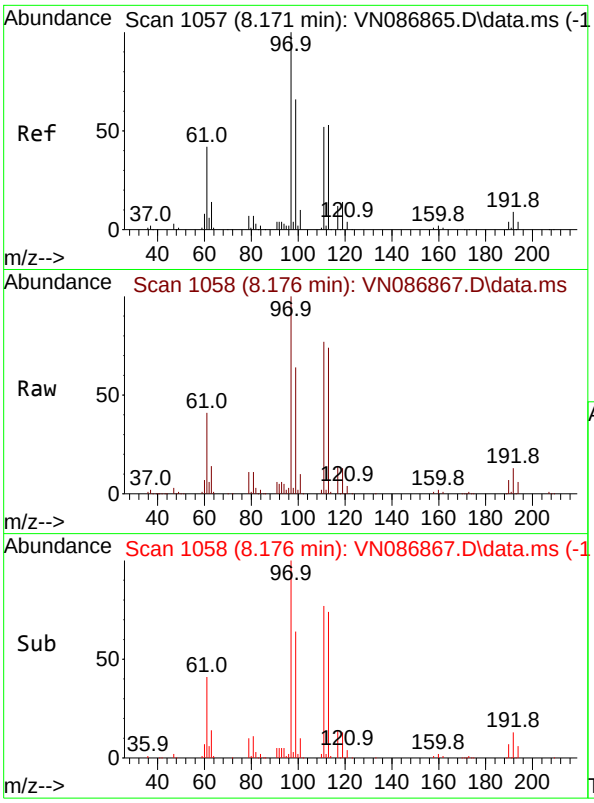


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:114 Resp: 307937

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.6
88	16.5	0.0	30.2

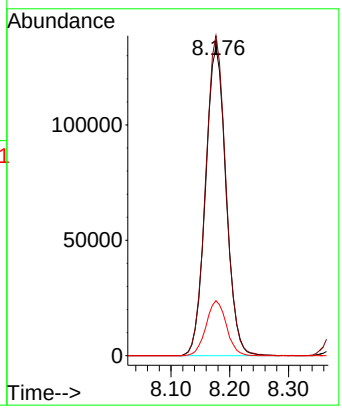




#35
Dibromofluoromethane
Concen: 177.803 ug/l
RT: 8.176 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:113 Resp: 32447

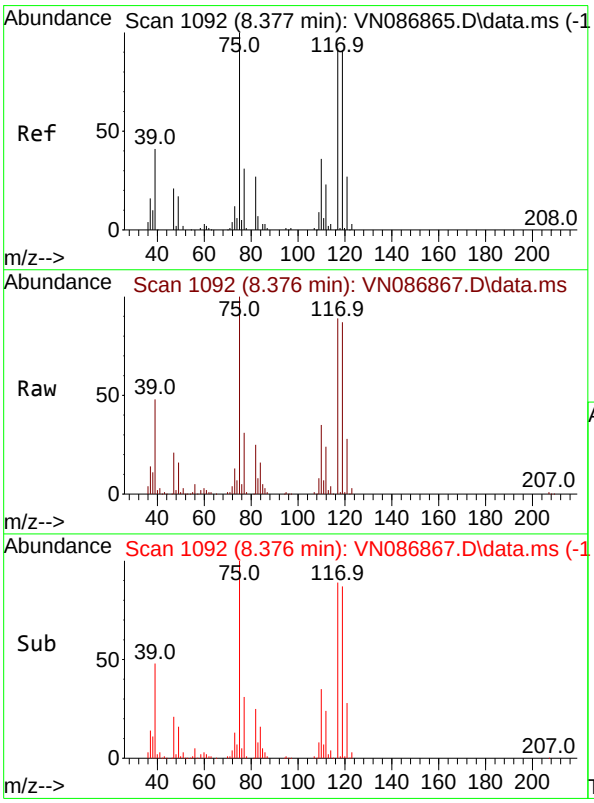
Ion	Ratio	Lower	Upper
113	100		
111	102.5	84.2	126.2
192	17.7	14.2	21.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

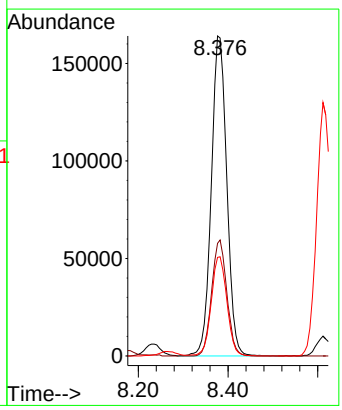
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

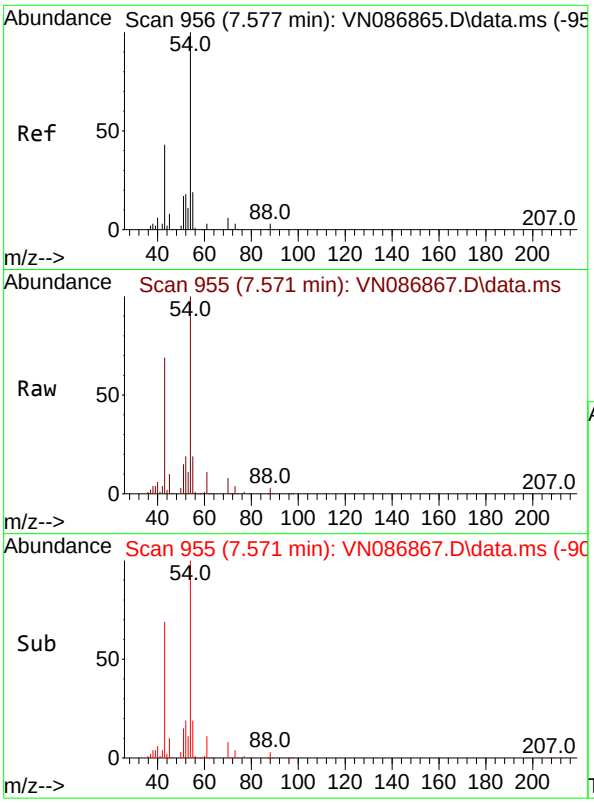


#36
1,1-Dichloropropene
Concen: 144.584 ug/l
RT: 8.376 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 75 Resp: 393166

Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.6	52.9
77	31.4	25.3	37.9

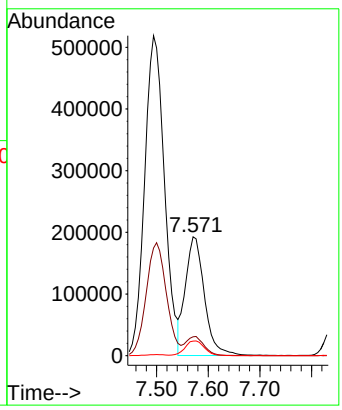




#37
Ethyl Acetate
Concen: 142.706 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 43 Resp: 49400

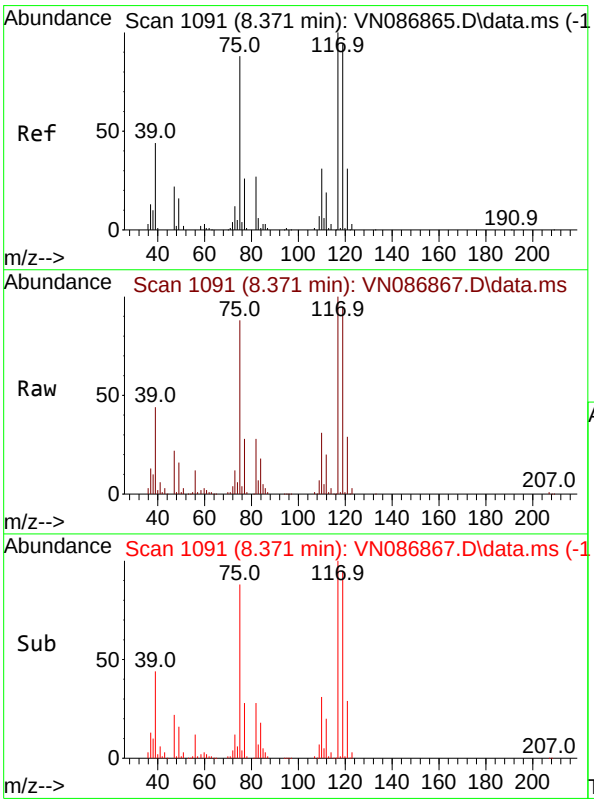
Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.1	18.1
70	12.7	9.8	14.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

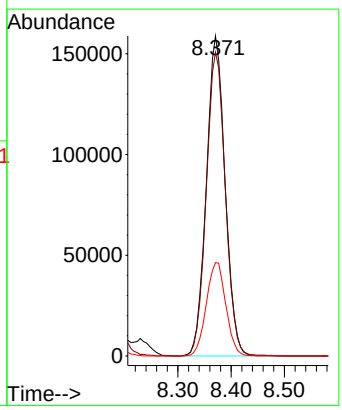
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

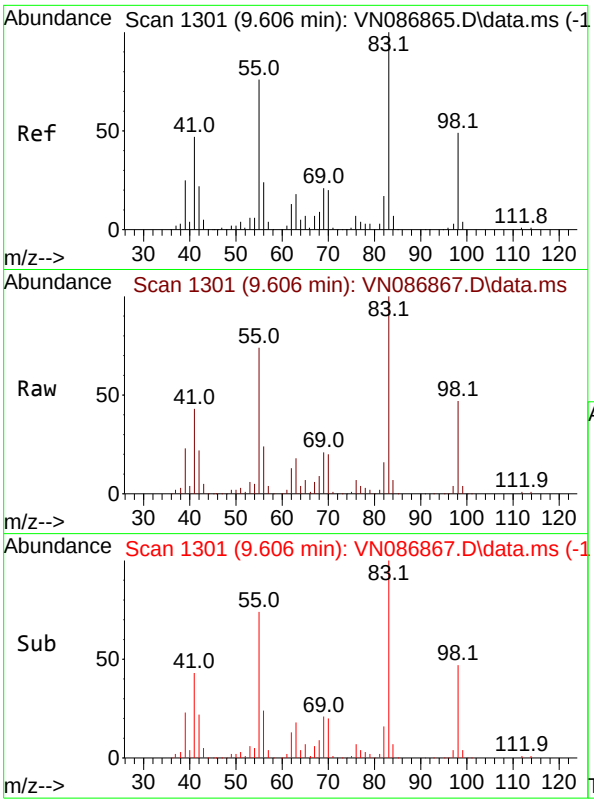


#38
Carbon Tetrachloride
Concen: 145.557 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:117 Resp: 388595

Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.0	112.6
121	29.1	24.9	37.3

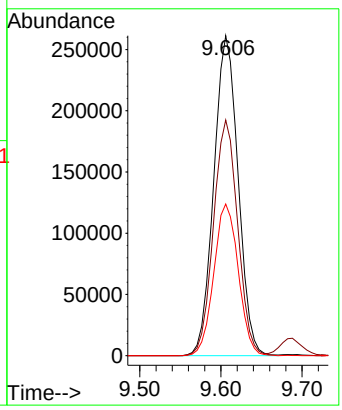




#39
Methylcyclohexane
Concen: 146.136 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 83 Resp: 54443

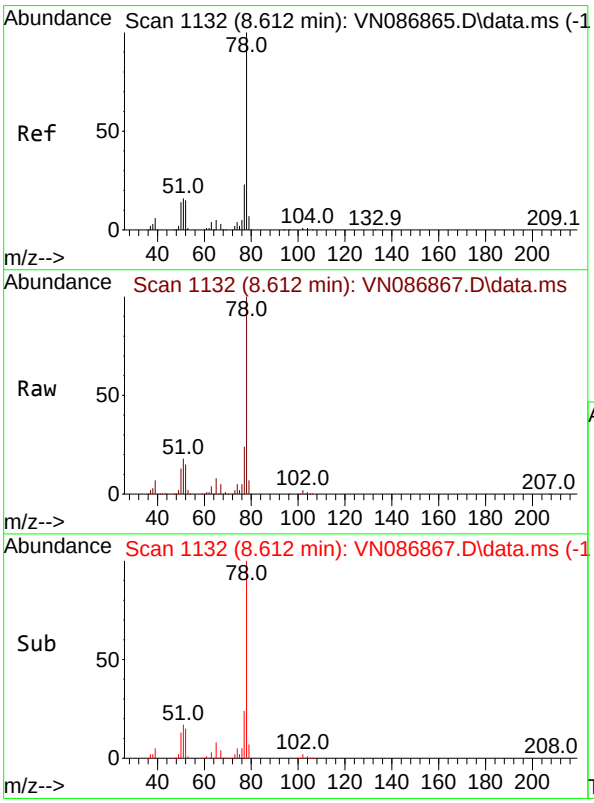
Ion	Ratio	Lower	Upper
83	100		
55	73.6	61.0	91.6
98	47.4	38.9	58.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

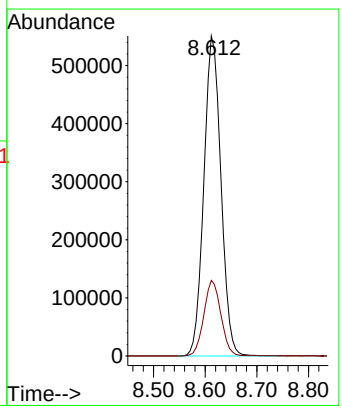
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

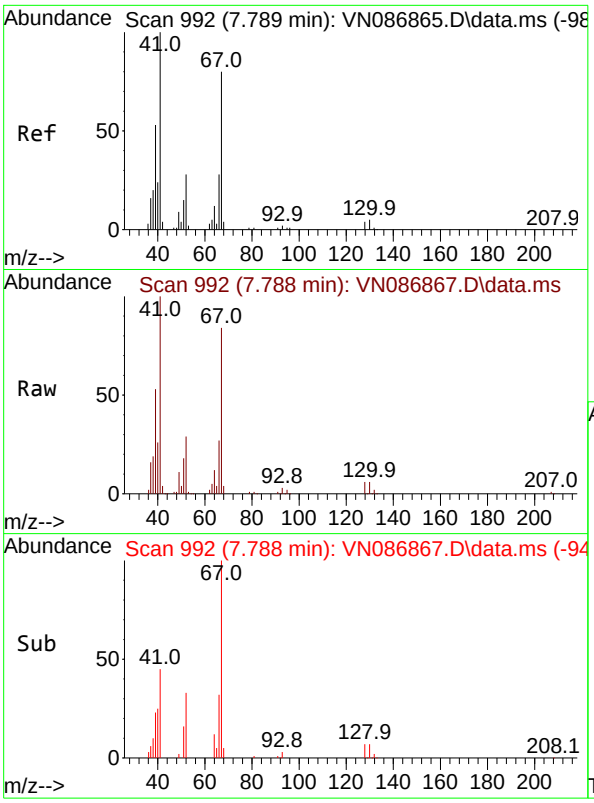


#40
Benzene
Concen: 142.388 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 78 Resp: 1266139

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.7	28.1

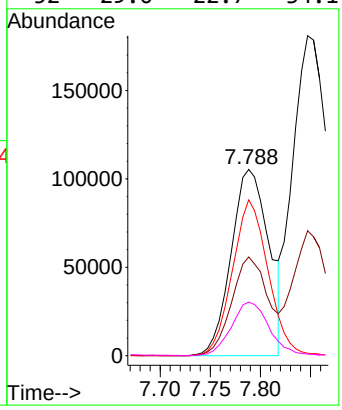




#41
Methacrylonitrile
Concen: 142.174 ug/l
RT: 7.788 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 41 Resp: 27640

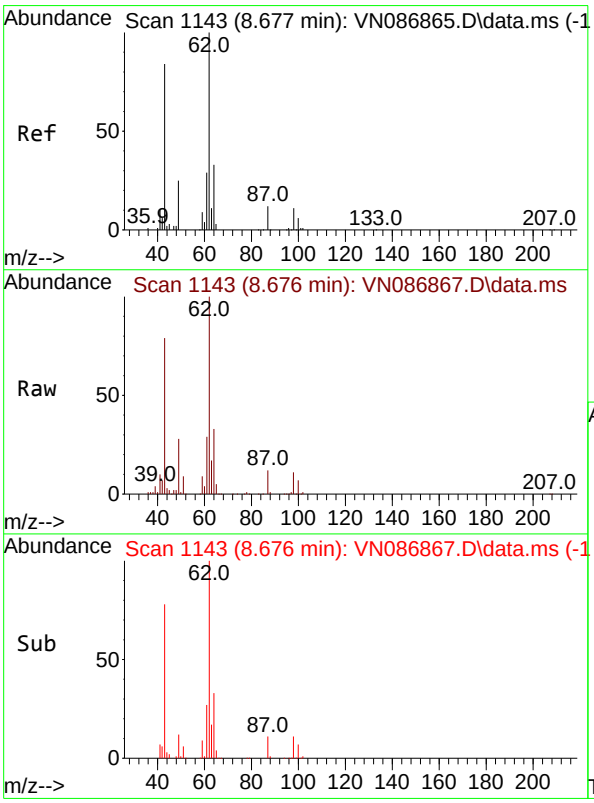
Ion	Ratio	Lower	Upper
41	100		
39	50.9	41.2	61.8
67	79.4	61.4	92.2
52	29.0	22.7	34.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

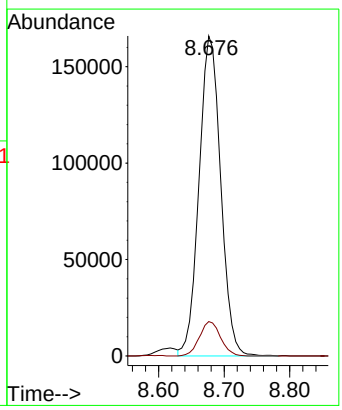
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

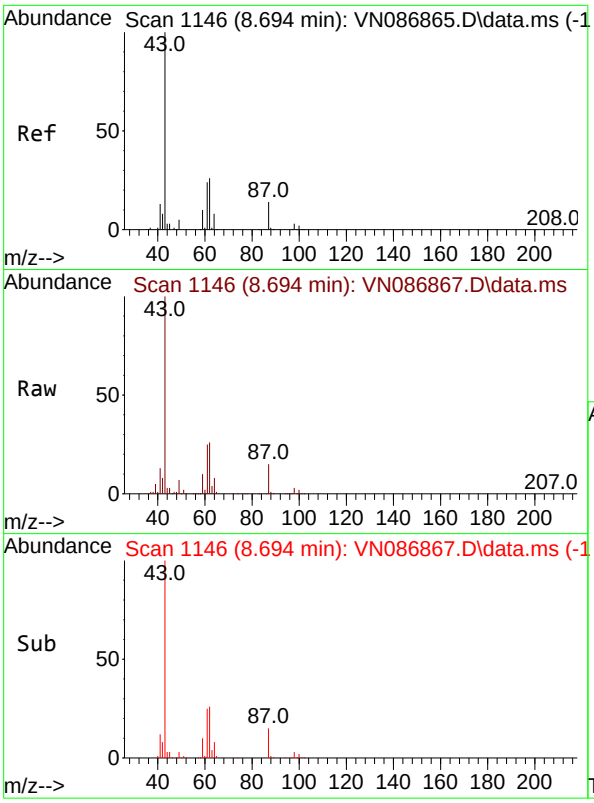


#42
1,2-Dichloroethane
Concen: 141.455 ug/l
RT: 8.676 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 62 Resp: 381516

Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.2





#43
Isopropyl Acetate
Concen: 140.531 ug/l
RT: 8.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

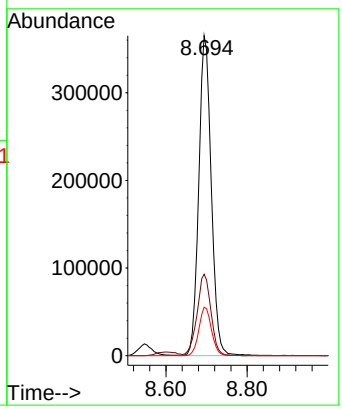
Tgt Ion: 43 Resp: 78079

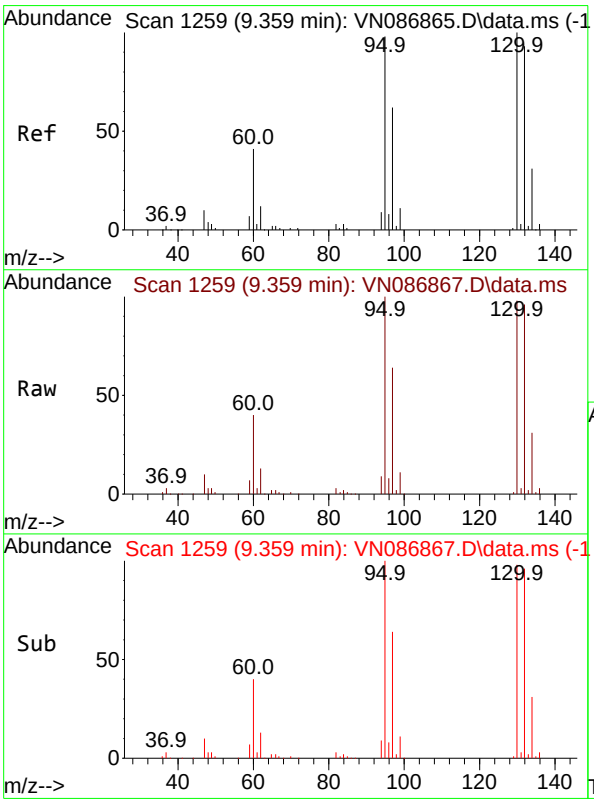
Ion	Ratio	Lower	Upper
43	100		
61	28.3	22.1	33.1
87	15.3	11.8	17.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

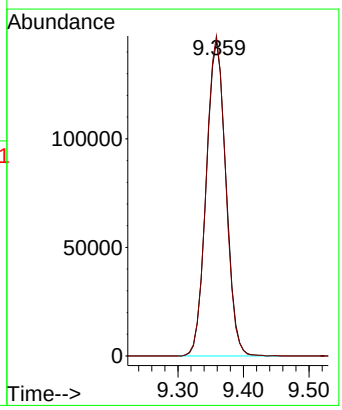


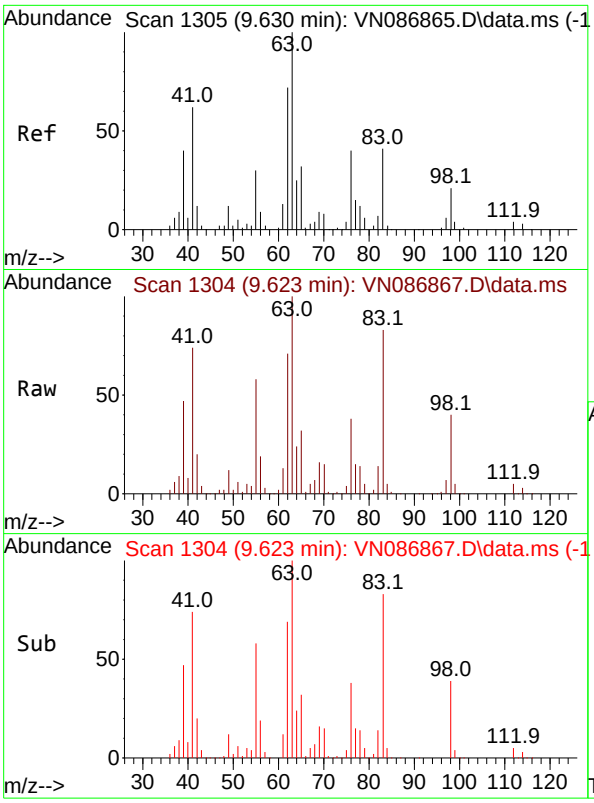


#44
Trichloroethene
Concen: 143.490 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:130 Resp: 302548

Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	196.2





#45
1,2-Dichloropropane
Concen: 142.856 ug/l
RT: 9.623 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

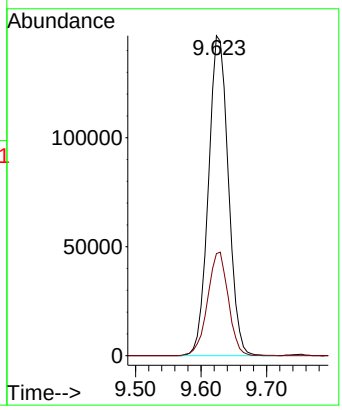
Tgt Ion: 63 Resp: 30904

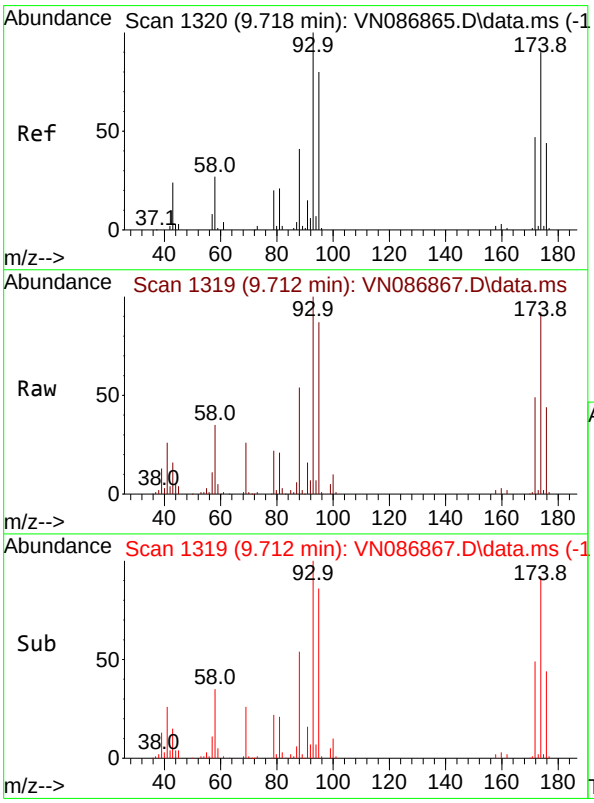
Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.5	38.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

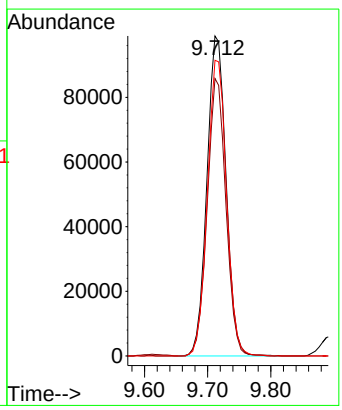


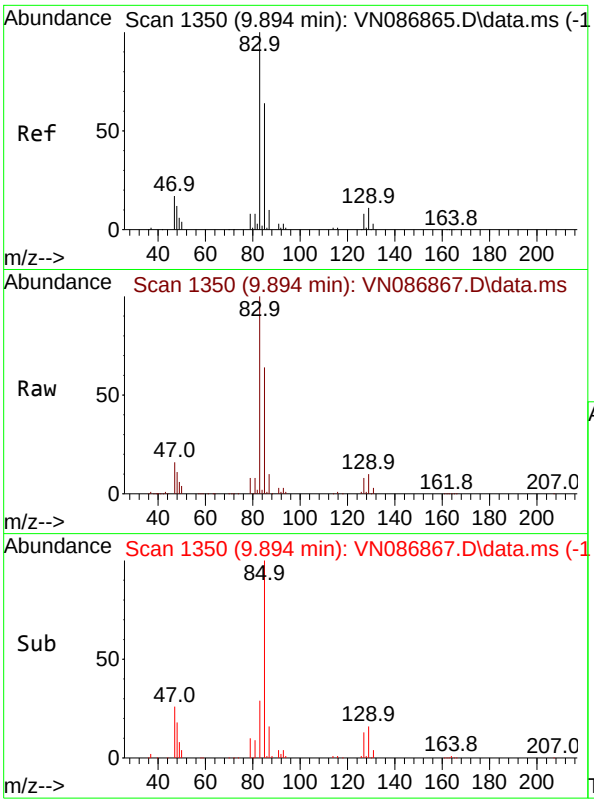


#46
Dibromomethane
Concen: 145.074 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 93 Resp: 208461

Ion	Ratio	Lower	Upper
93	100		
95	84.8	67.1	100.7
174	92.8	74.2	111.4

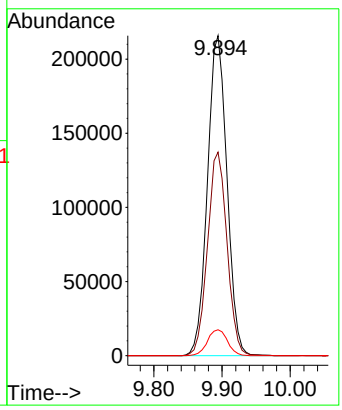




#47
Bromodichloromethane
Concen: 145.449 ug/l
RT: 9.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 83 Resp: 43001

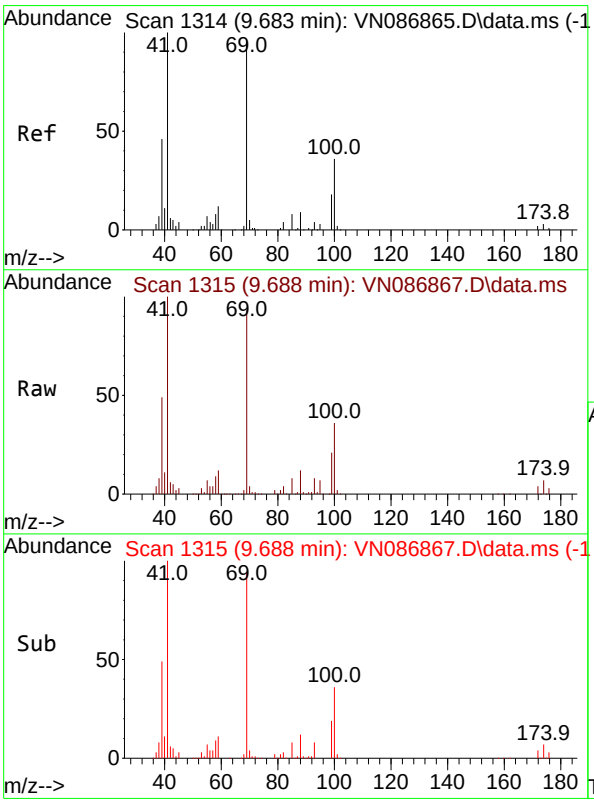
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3
127	8.1	6.6	10.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

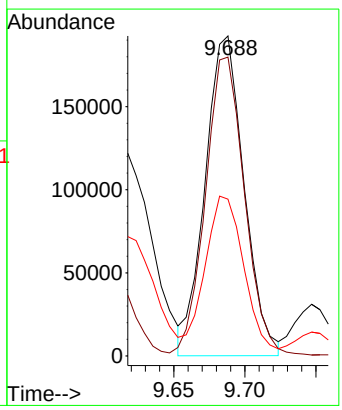
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

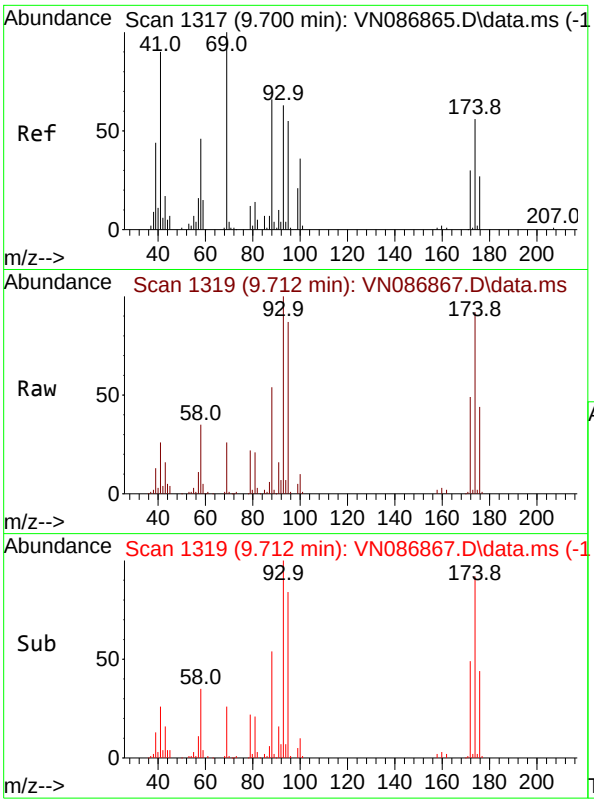


#48
Methyl methacrylate
Concen: 143.502 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 41 Resp: 366967

Ion	Ratio	Lower	Upper
41	100		
69	94.2	74.6	112.0
39	50.8	40.2	60.4

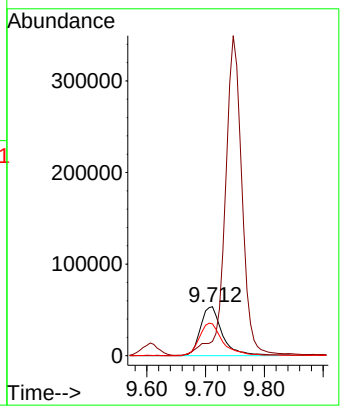




#49
1,4-Dioxane
Concen: 2967.116 ug/l
RT: 9.712 min Scan# 1
Delta R.T. 0.011 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 88 Resp: 13803

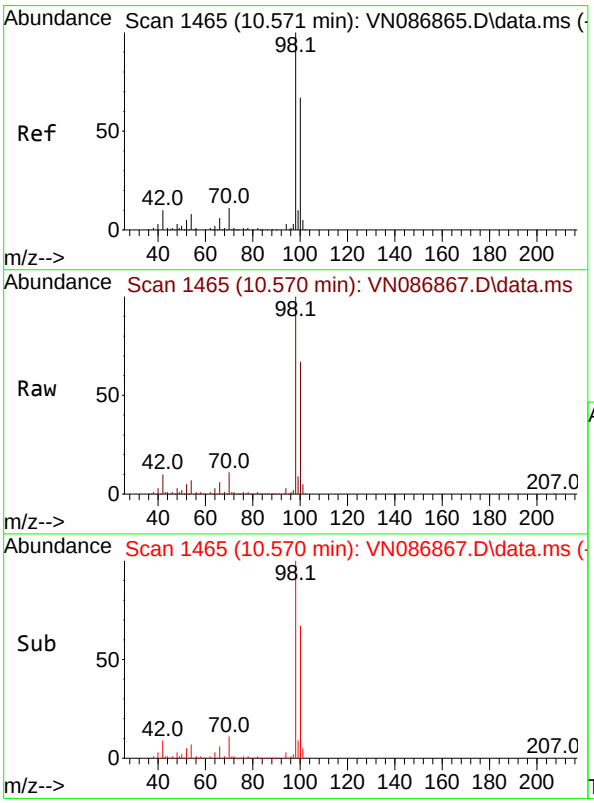
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	72.2	57.7	86.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

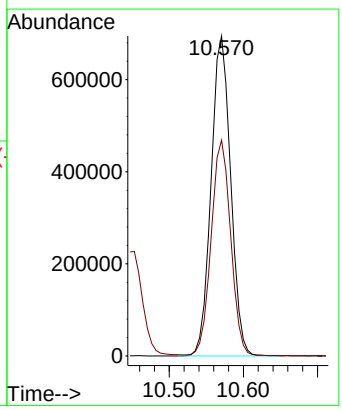
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

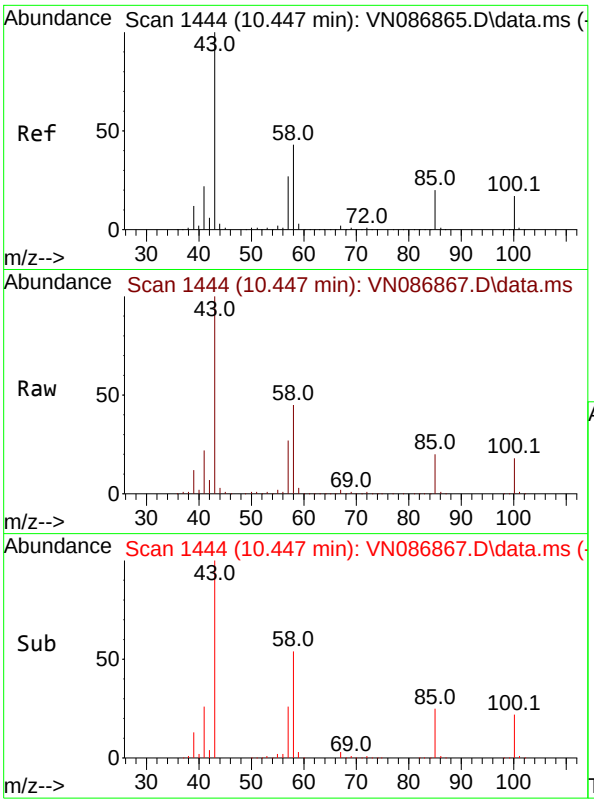


#50
Toluene-d8
Concen: 176.120 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 98 Resp: 1272348

Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.4	80.0





#51
4-Methyl-2-Pentanone
Concen: 728.995 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

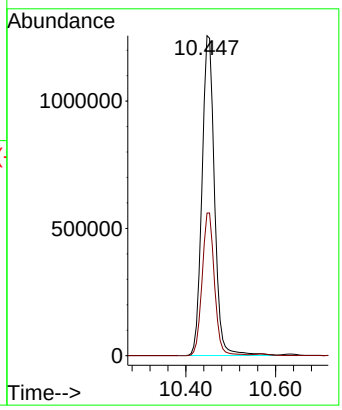
Tgt Ion: 43 Resp: 243831

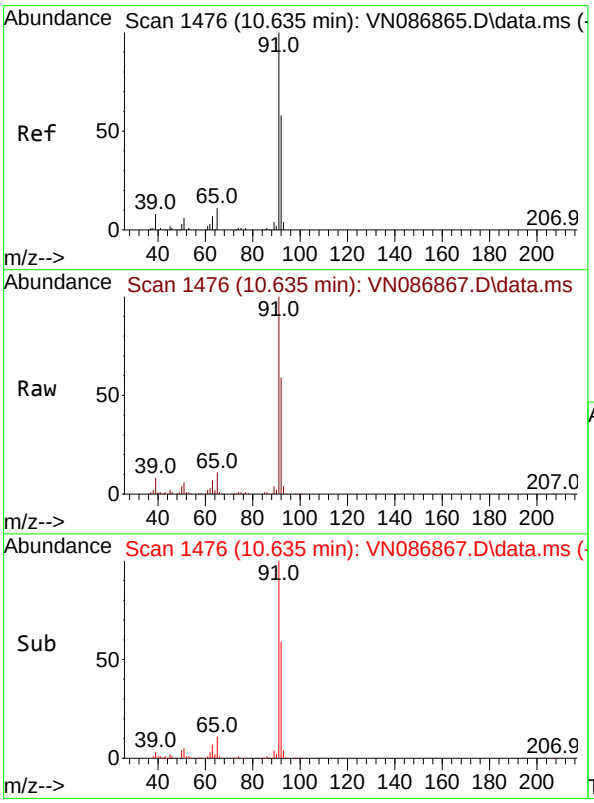
Ion	Ratio	Lower	Upper
43	100		
58	44.0	34.2	51.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

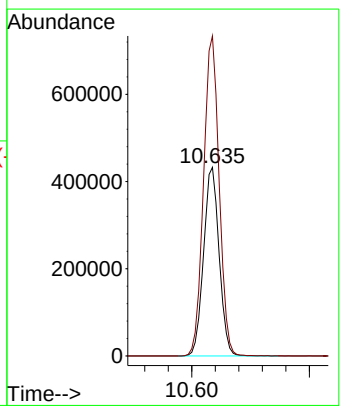


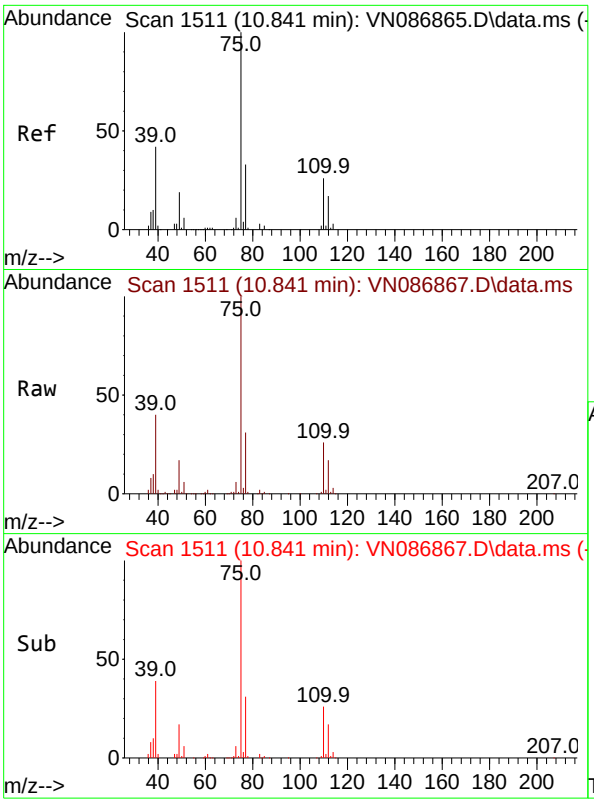


#52
Toluene
Concen: 145.976 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 92 Resp: 793270

Ion	Ratio	Lower	Upper
92	100		
91	170.2	136.5	204.7

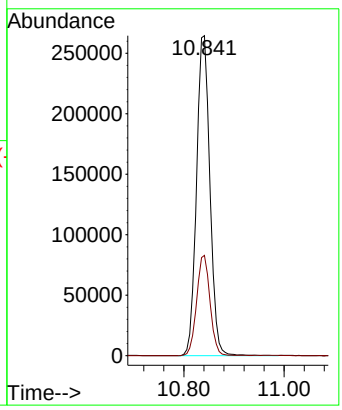




#53
t-1,3-Dichloropropene
Concen: 148.163 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 75 Resp: 48980

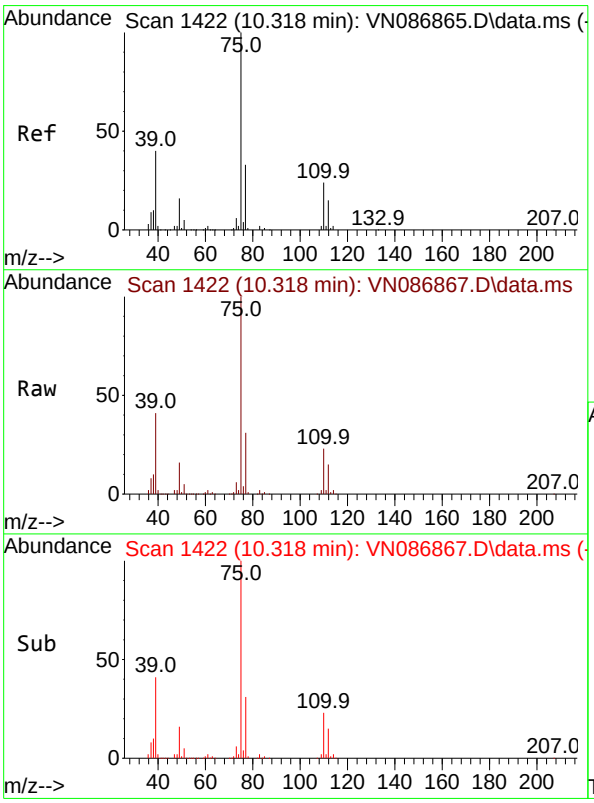
Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.4	39.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

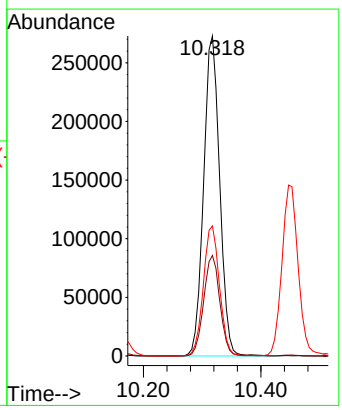
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

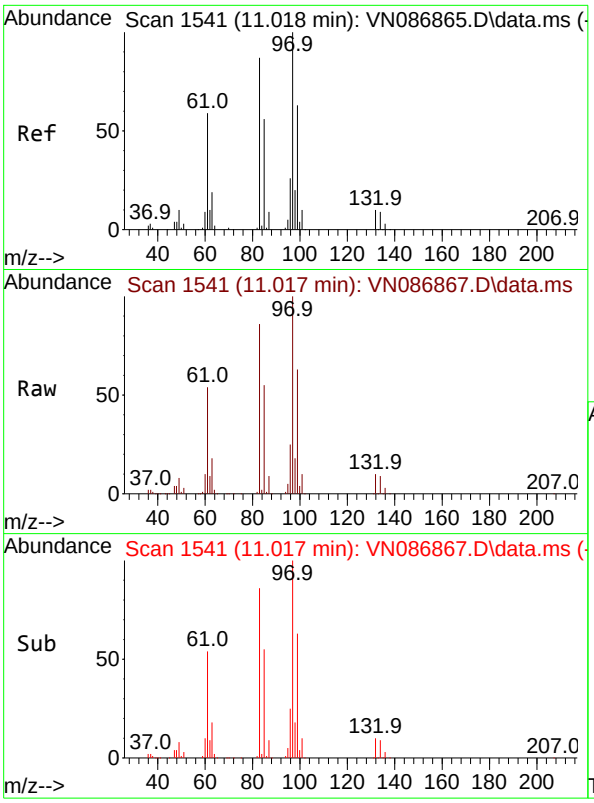


#54
cis-1,3-Dichloropropene
Concen: 146.469 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 75 Resp: 518092

Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.2	39.4
39	40.6	32.3	48.5

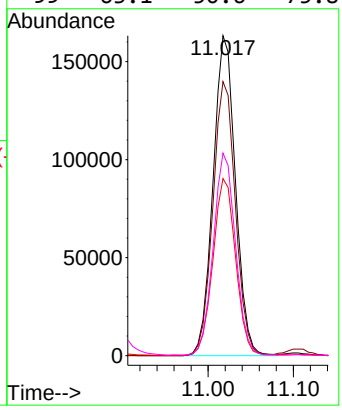




#55
1,1,2-Trichloroethane
Concen: 142.588 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 97 Resp: 29815

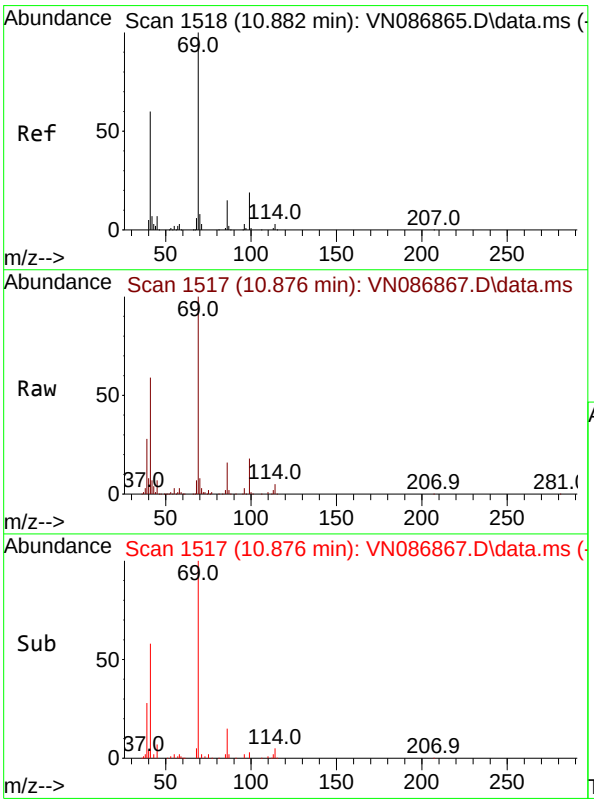
Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.7	104.5
85	55.2	45.1	67.7
99	63.1	50.6	75.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

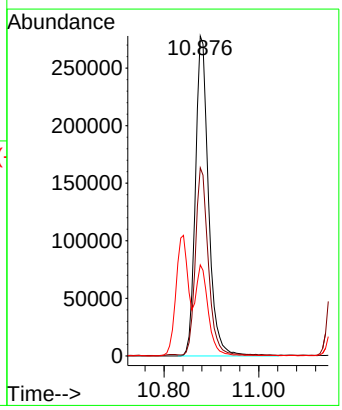
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

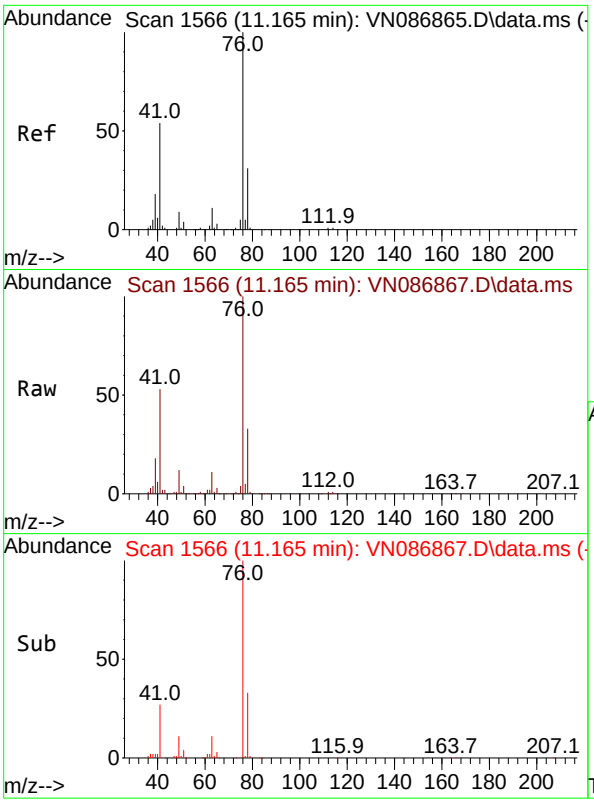


#56
Ethyl methacrylate
Concen: 160.311 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 69 Resp: 533912

Ion	Ratio	Lower	Upper
69	100		
41	57.5	47.2	70.8
39	27.0	23.0	34.6





#57
1,3-Dichloropropane
Concen: 142.363 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

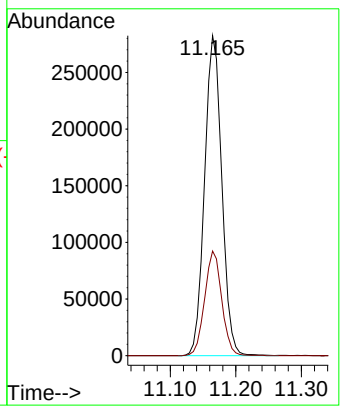
Tgt Ion: 76 Resp: 51639

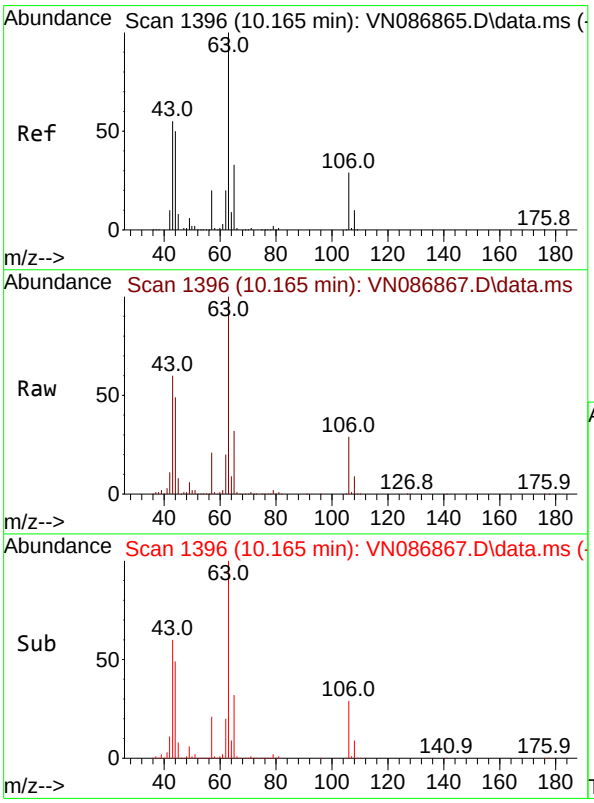
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.3	37.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

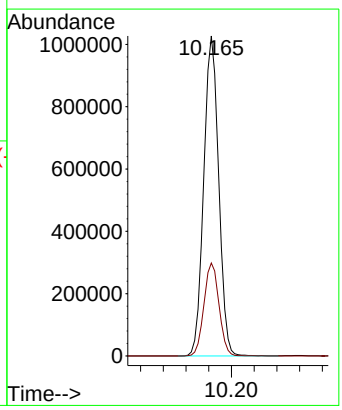


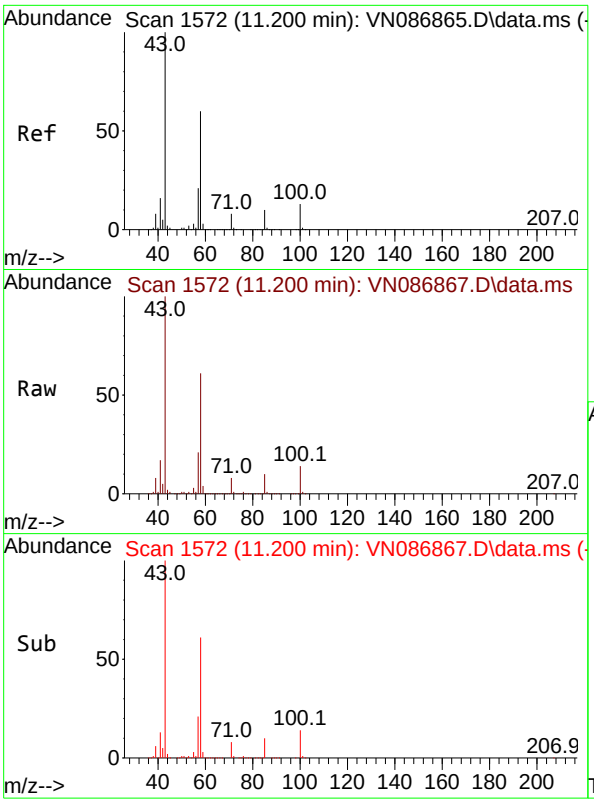


#58
2-Chloroethyl Vinyl ether
Concen: 941.147 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 63 Resp: 1869543

Ion	Ratio	Lower	Upper
63	100		
106	29.2	23.0	34.6





#59
2-Hexanone
Concen: 805.662 ug/l
RT: 11.200 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

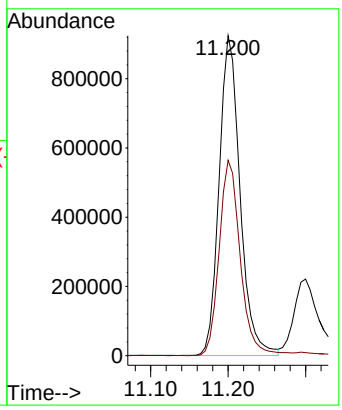
Tgt Ion: 43 Resp: 173577

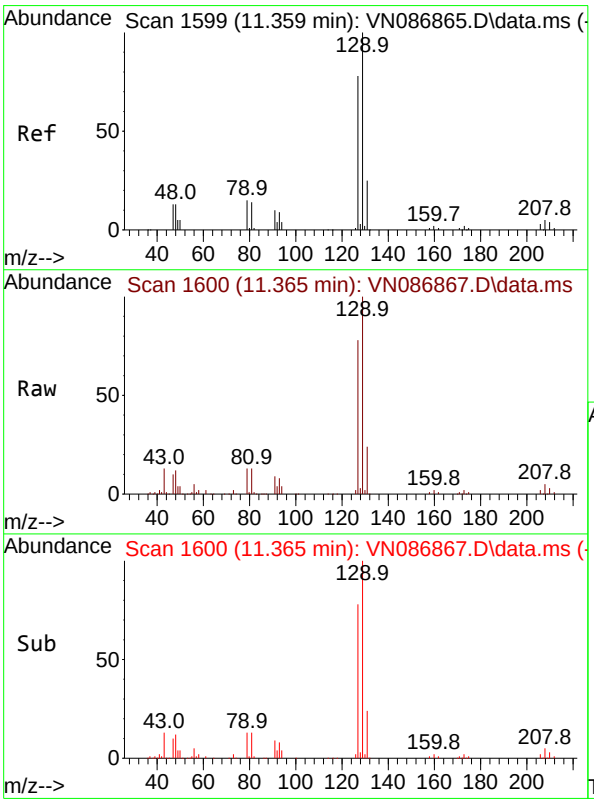
Ion	Ratio	Lower	Upper
43	100		
58	61.6	30.4	91.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

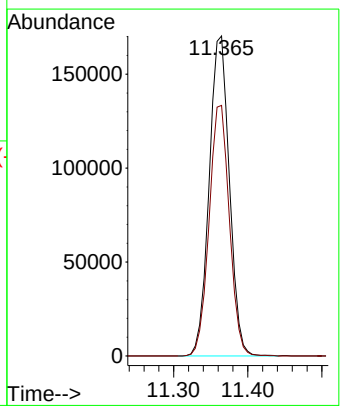


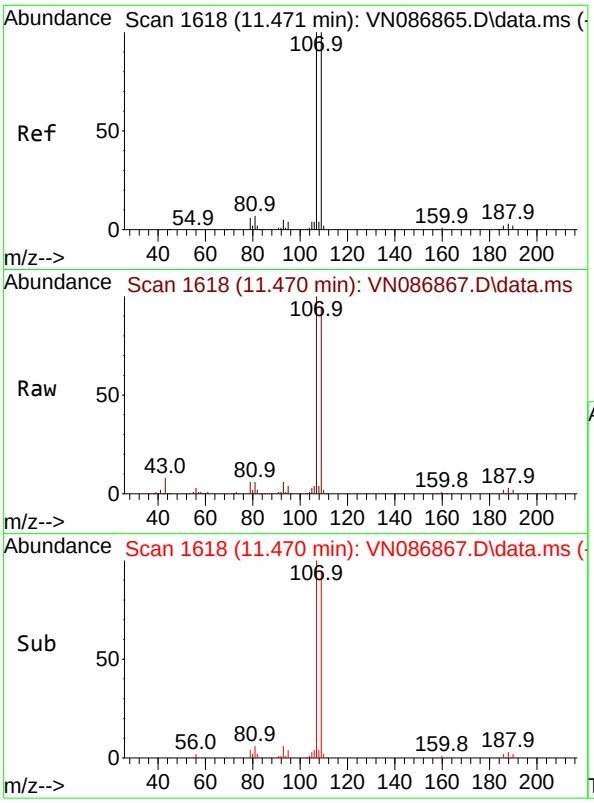


#60
Dibromochloromethane
Concen: 147.832 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:129 Resp: 322064

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.6	115.8





#61
1,2-Dibromoethane
Concen: 146.790 ug/l
RT: 11.470 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

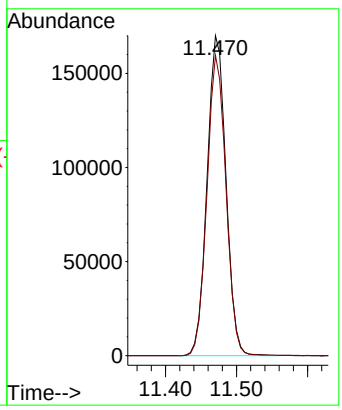
Tgt Ion:107 Resp: 31460(

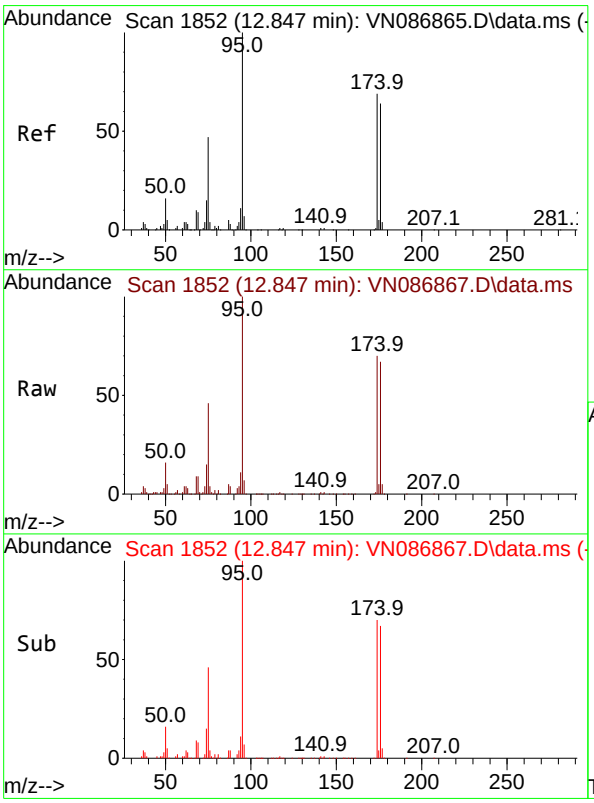
Ion	Ratio	Lower	Upper
107	100		
109	94.0	76.3	114.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

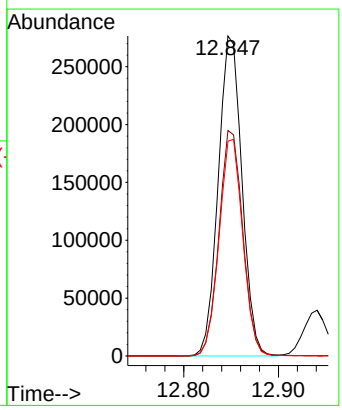


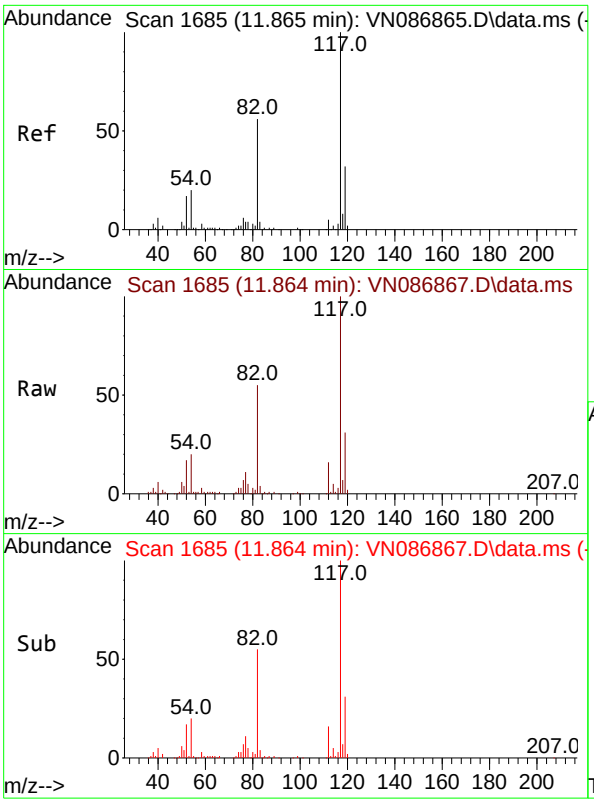


#62
4-Bromofluorobenzene
Concen: 179.364 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 95 Resp: 481421

Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	141.8
176	67.8	0.0	132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

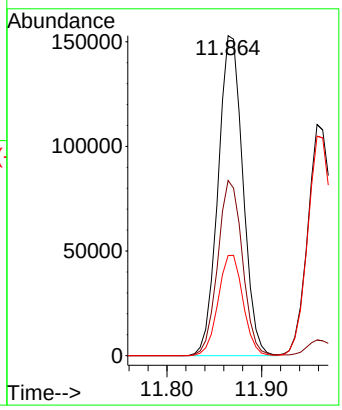
Tgt Ion:117 Resp: 27855

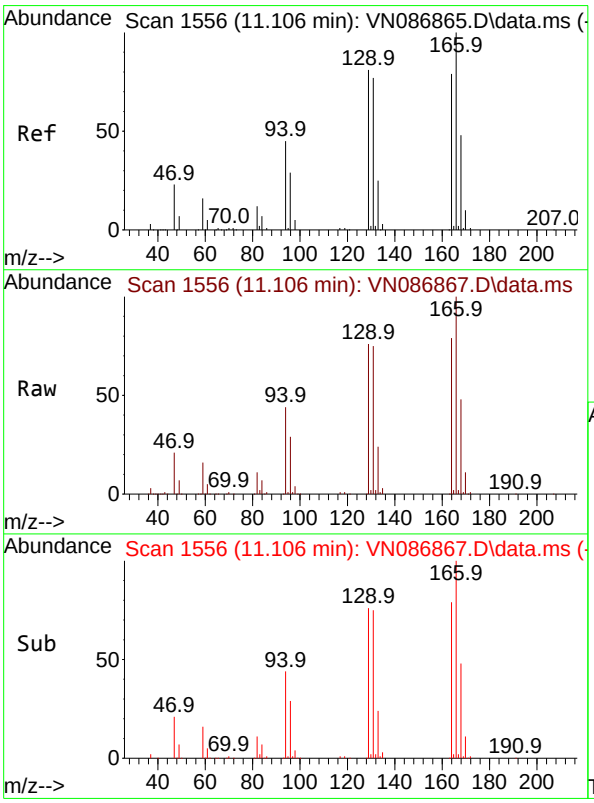
Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.6	67.0
119	31.3	25.5	38.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

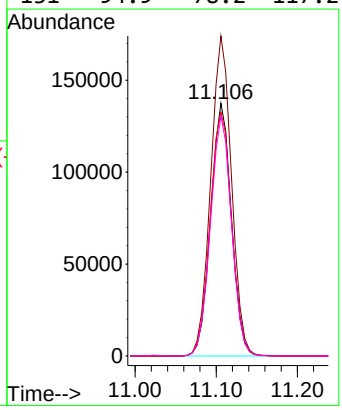


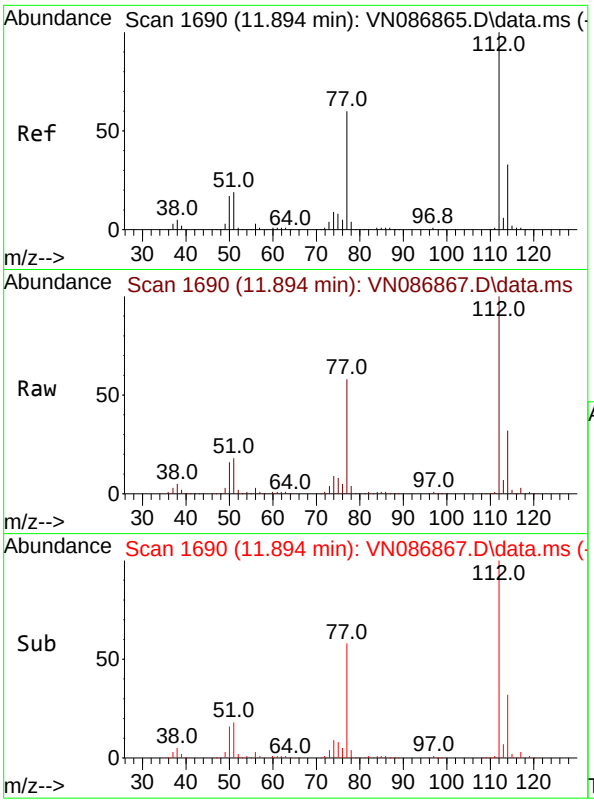


#64
Tetrachloroethene
Concen: 139.048 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:164 Resp: 245122

Ion	Ratio	Lower	Upper
164	100		
166	126.7	101.8	152.8
129	96.6	83.0	124.4
131	94.9	78.2	117.2

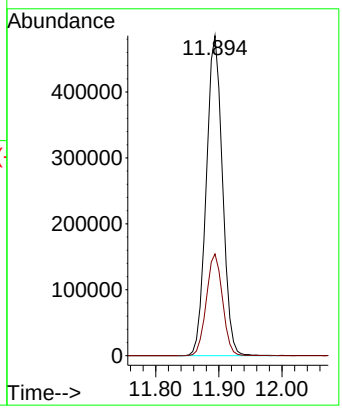




#65
Chlorobenzene
Concen: 140.041 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:112 Resp: 86034

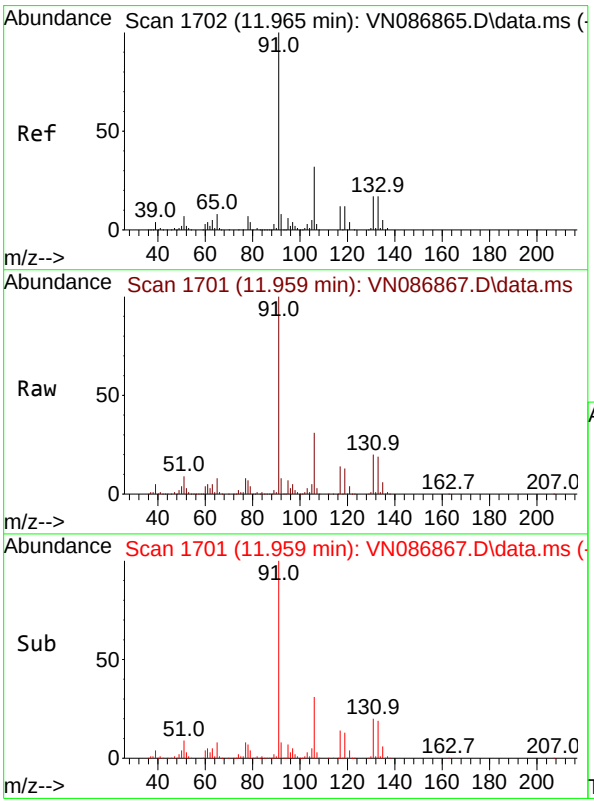
Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.2	39.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

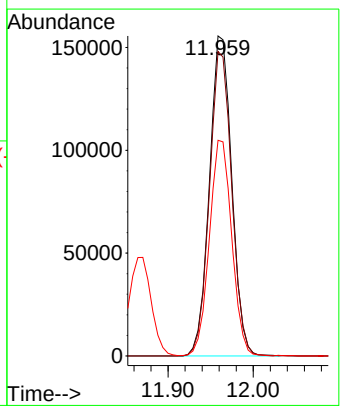
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

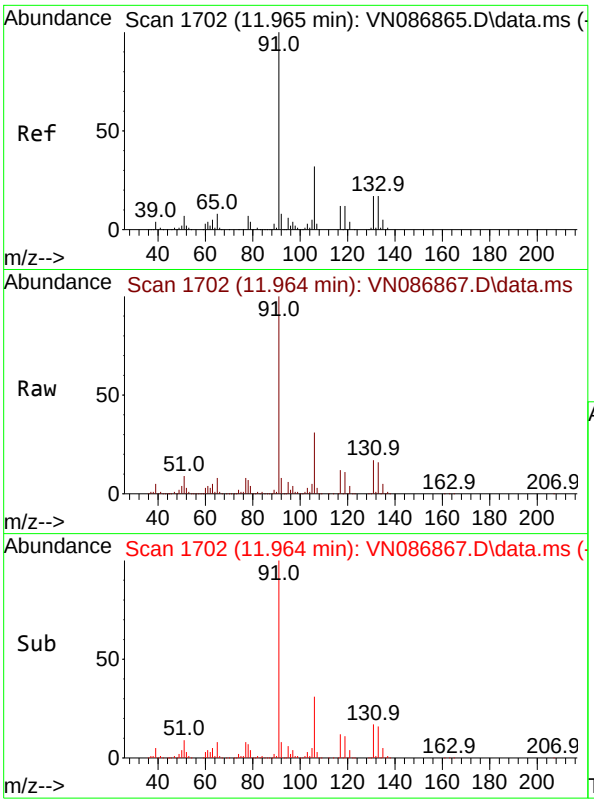


#66
1,1,1,2-Tetrachloroethane
Concen: 143.171 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:131 Resp: 282739

Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.3	144.8
119	67.8	34.0	101.8

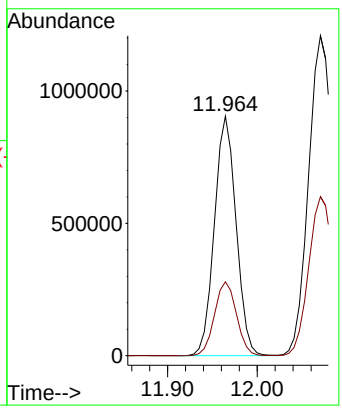




#67
Ethyl Benzene
Concen: 143.438 ug/l
RT: 11.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 91 Resp: 151788

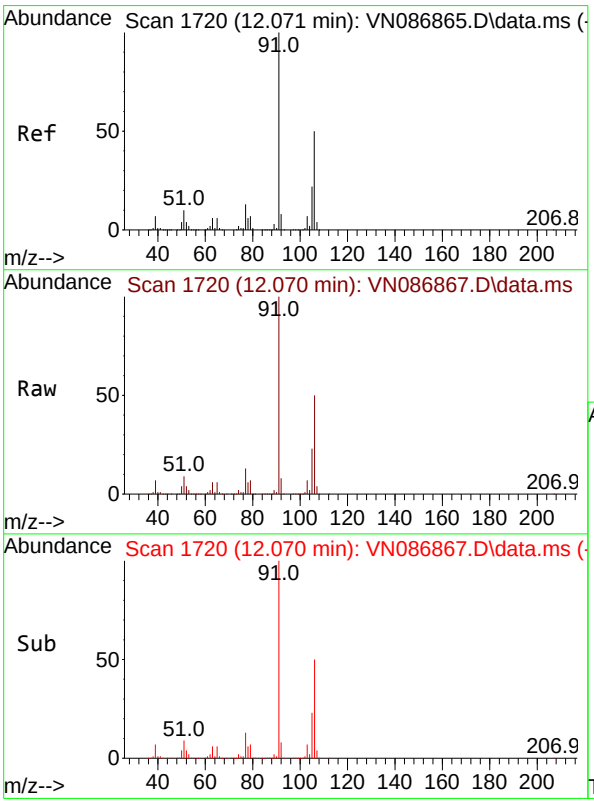
Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

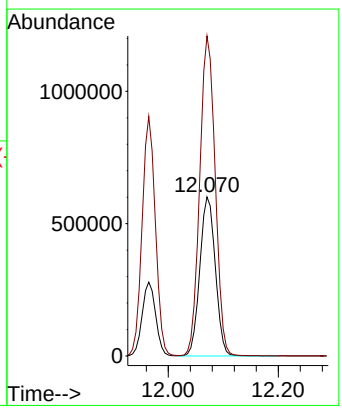
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

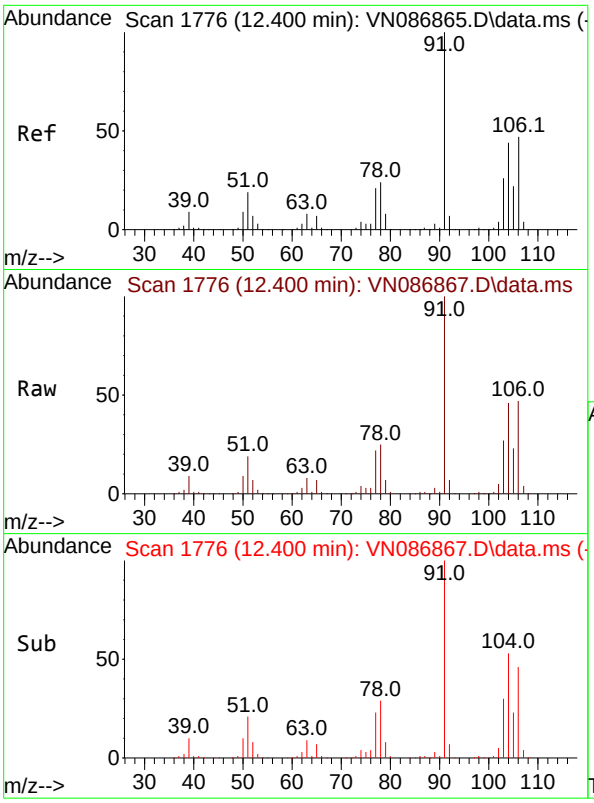


#68
m/p-Xylenes
Concen: 290.155 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:106 Resp: 1175378

Ion	Ratio	Lower	Upper
106	100		
91	200.8	159.4	239.0

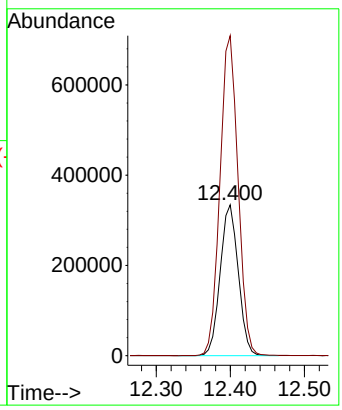




#69
o-Xylene
Concen: 145.966 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:106 Resp: 56630

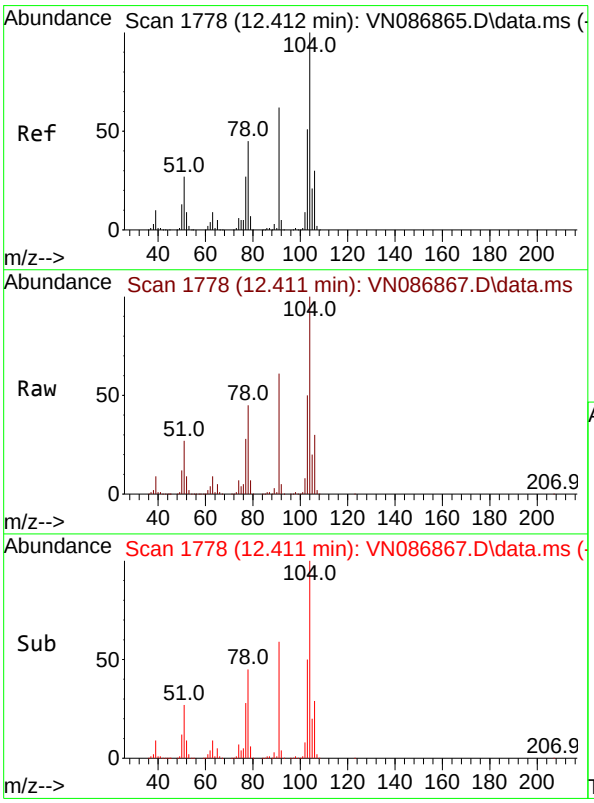
Ion	Ratio	Lower	Upper
106	100		
91	211.9	106.1	318.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

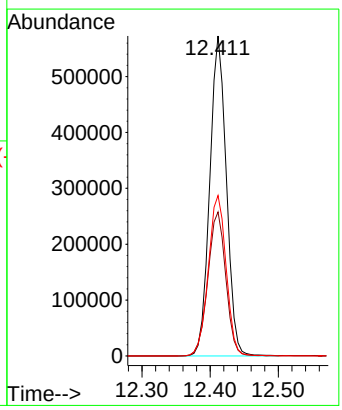
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

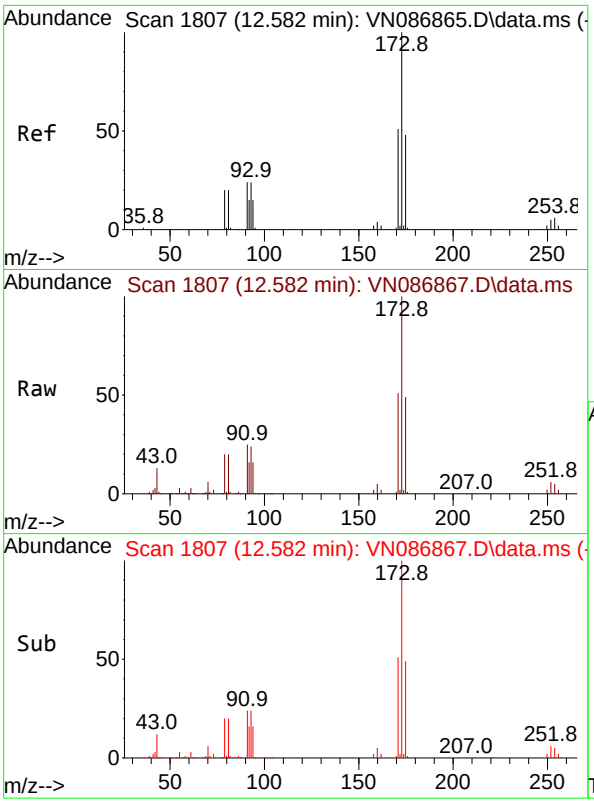


#70
Styrene
Concen: 146.459 ug/l
RT: 12.411 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:104 Resp: 972318

Ion	Ratio	Lower	Upper
104	100		
78	48.4	38.5	57.7
103	54.0	43.1	64.7

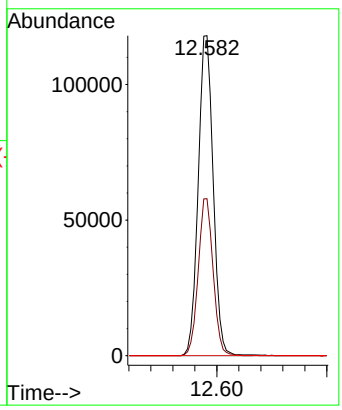




#71
Bromoform
Concen: 152.538 ug/l
RT: 12.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:173 Resp: 22320

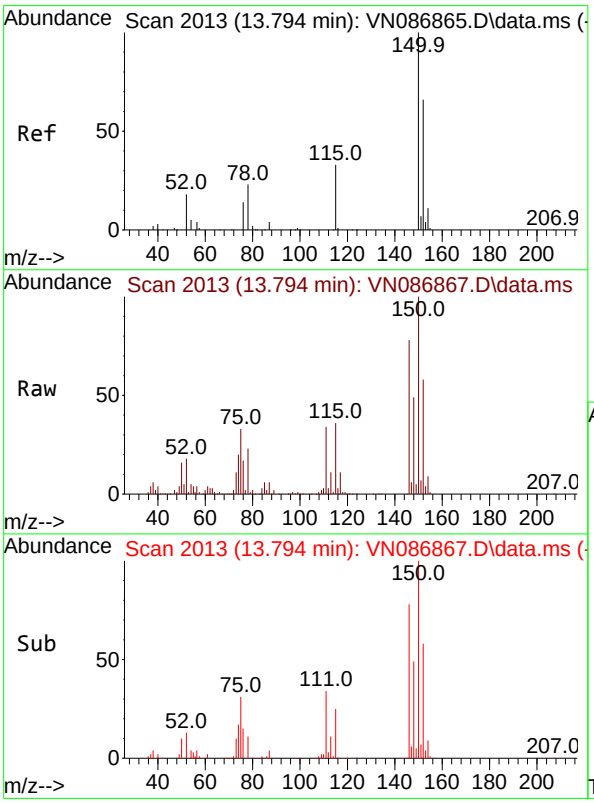
Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

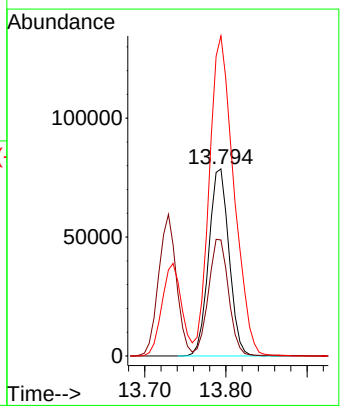
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

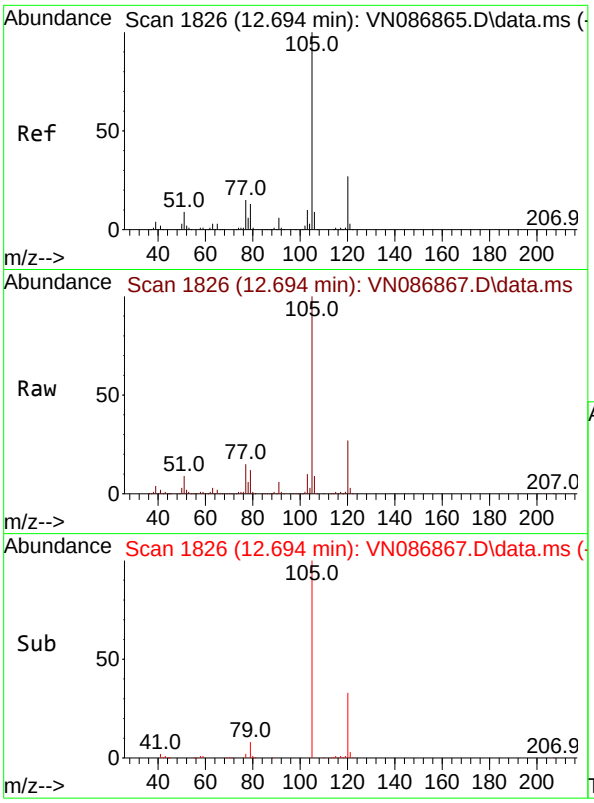


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:152 Resp: 136630

Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.1	90.5
150	206.7	0.0	345.0

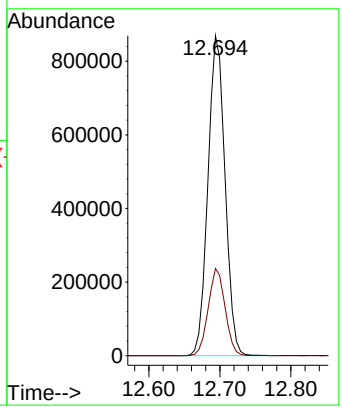




#73
Isopropylbenzene
Concen: 146.042 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:105 Resp: 145365

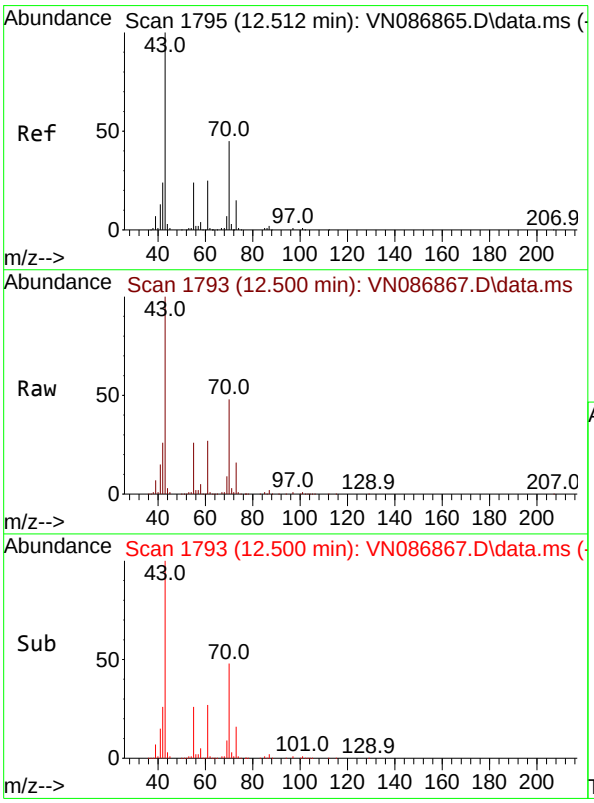
Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.5	40.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

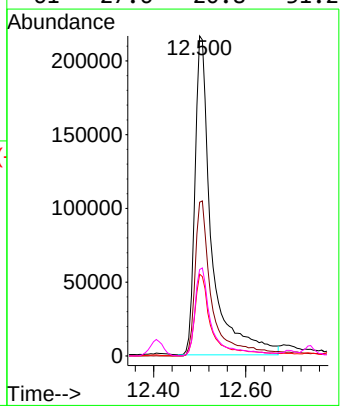
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

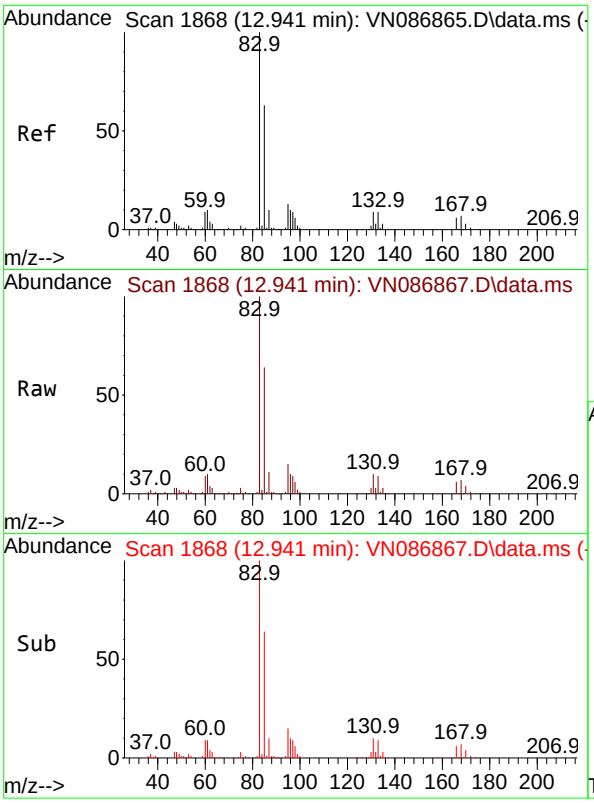


#74
N-amyl acetate
Concen: 164.596 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.012 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 43 Resp: 543747

Ion	Ratio	Lower	Upper
43	100		
70	50.0	37.6	56.4
55	26.1	19.0	28.6
61	27.6	20.8	31.2





#75
1,1,2,2-Tetrachloroethane
Concen: 140.693 ug/l
RT: 12.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

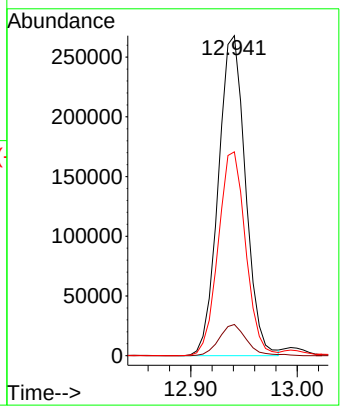
Tgt Ion: 83 Resp: 47442

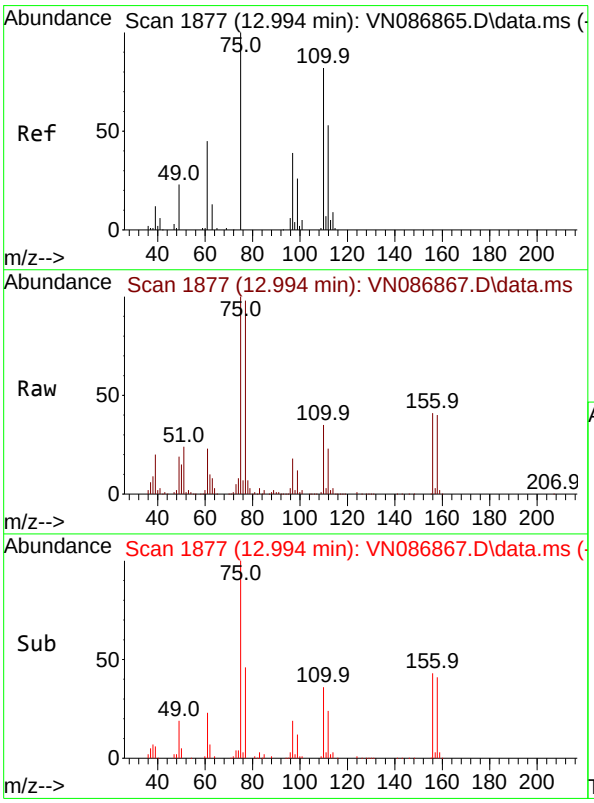
Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.7
85	64.3	32.0	96.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

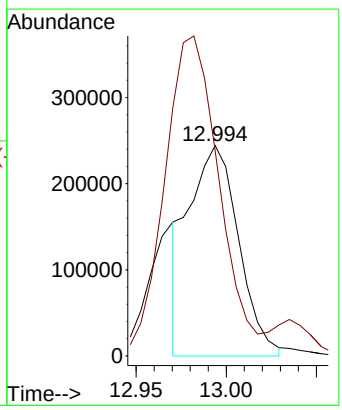


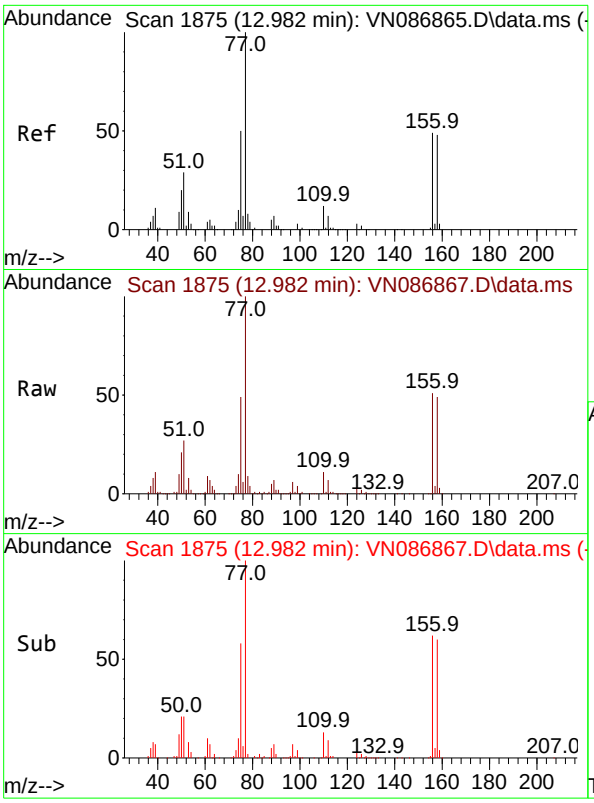


#76
1,2,3-Trichloropropane
Concen: 143.665 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 75 Resp: 468041

Ion	Ratio	Lower	Upper
75	100		
77	166.0	79.3	237.9

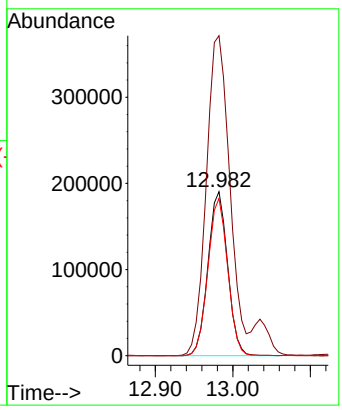




#77
Bromobenzene
Concen: 147.077 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:156 Resp: 33573

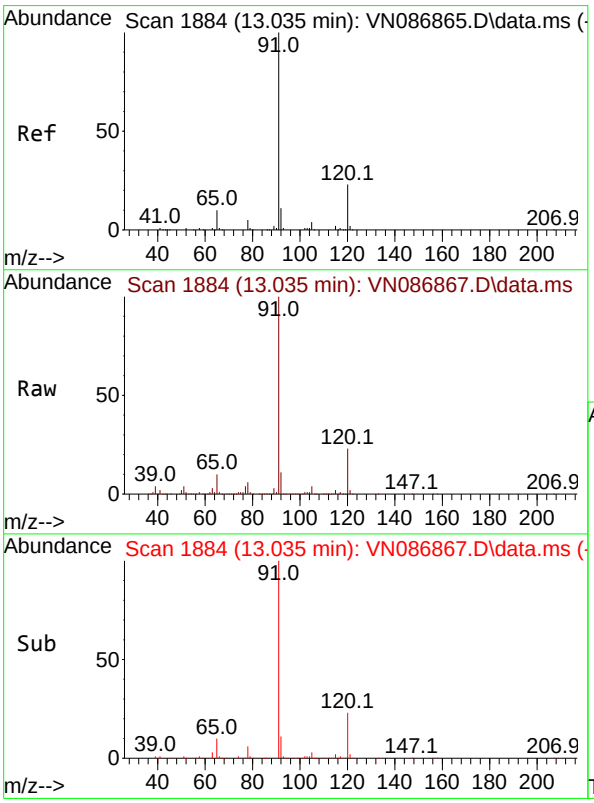
Ion	Ratio	Lower	Upper
156	100		
77	231.5	117.7	353.1
158	96.3	48.1	144.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

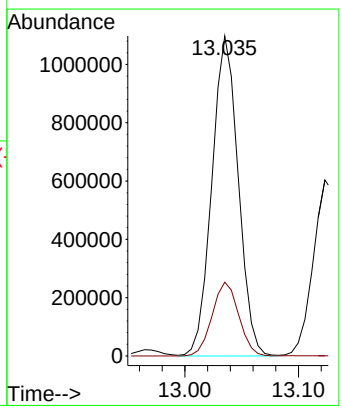
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

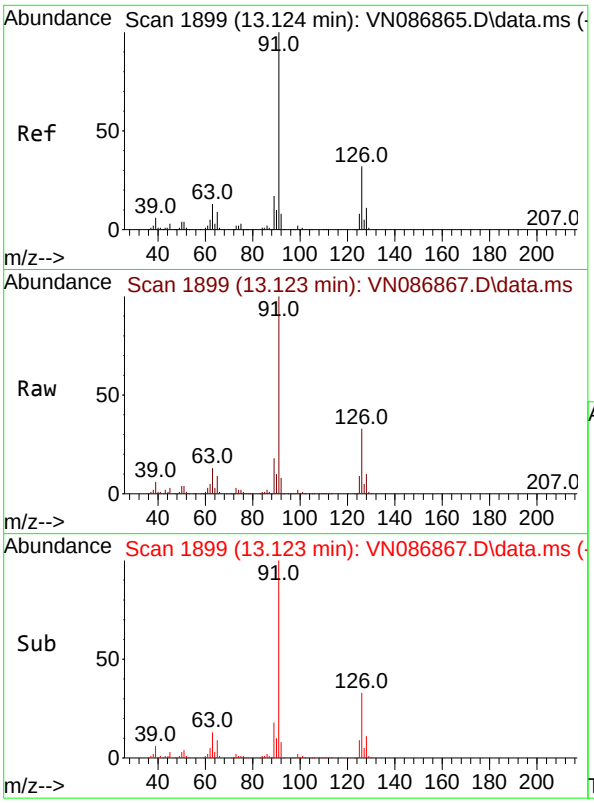


#78
n-propylbenzene
Concen: 146.301 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 91 Resp: 1769694

Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.4	34.2

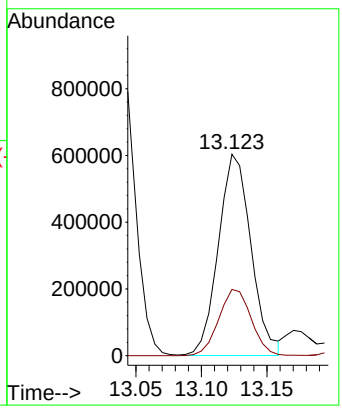




#79
2-Chlorotoluene
Concen: 144.317 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 91 Resp: 104691

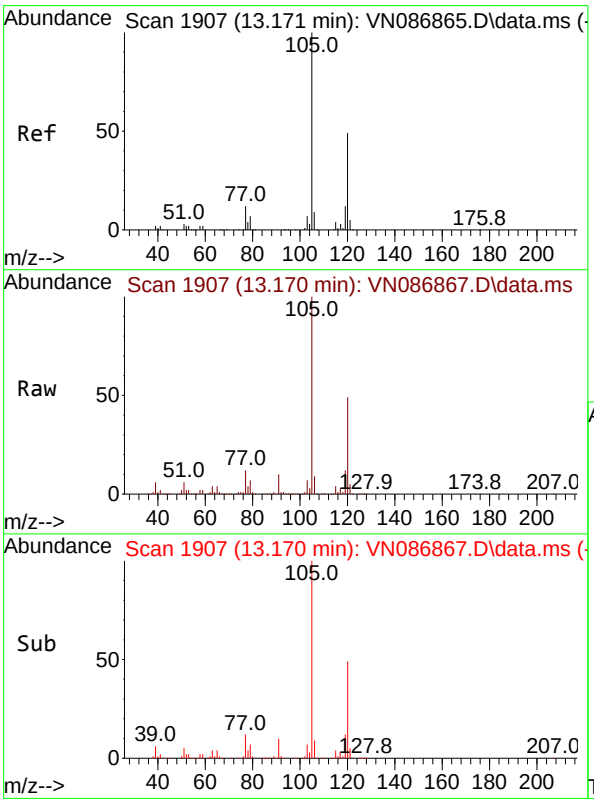
Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

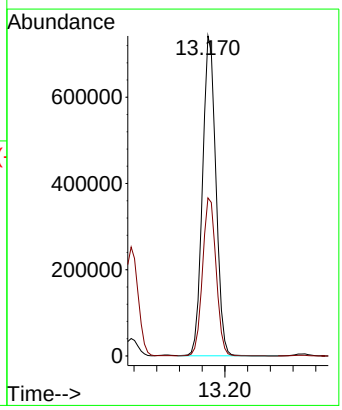
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

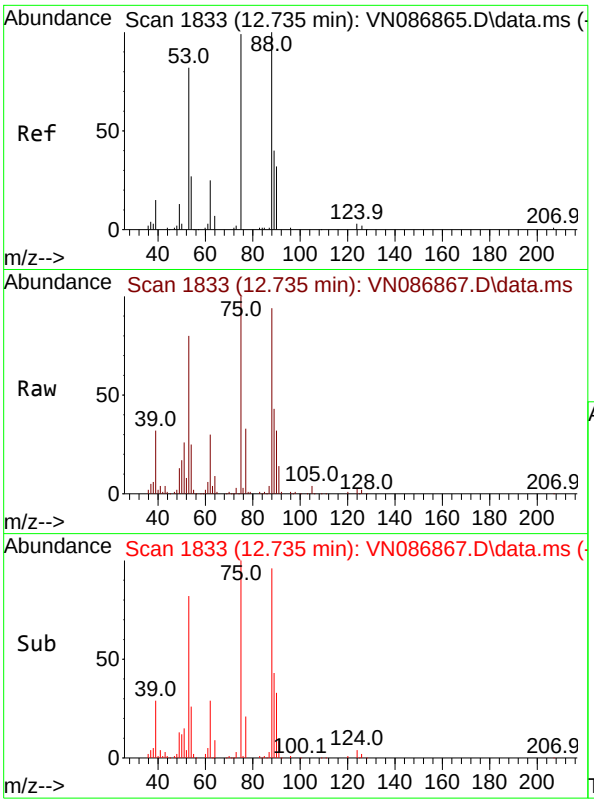


#80
1,3,5-Trimethylbenzene
Concen: 147.279 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:105 Resp: 1210325

Ion	Ratio	Lower	Upper
105	100		
120	50.0	24.9	74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 153.277 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

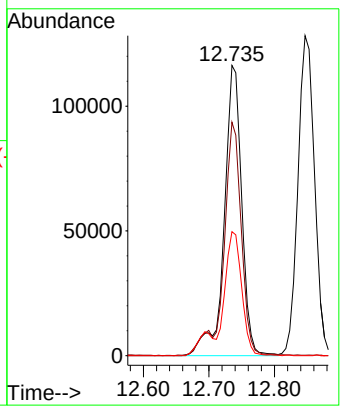
Tgt Ion: 75 Resp: 21625

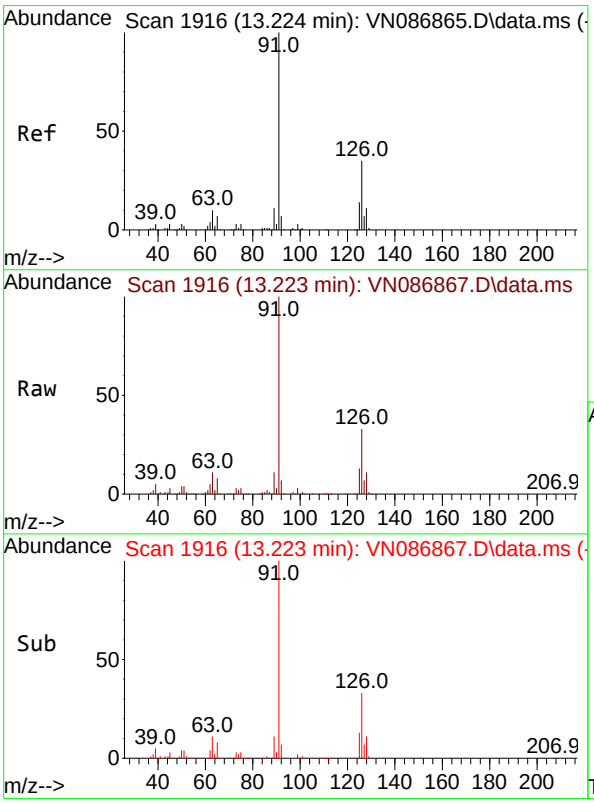
Ion	Ratio	Lower	Upper
75	100		
53	81.3	66.6	99.8
89	40.0	36.7	55.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

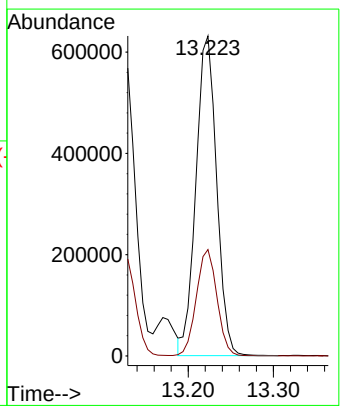


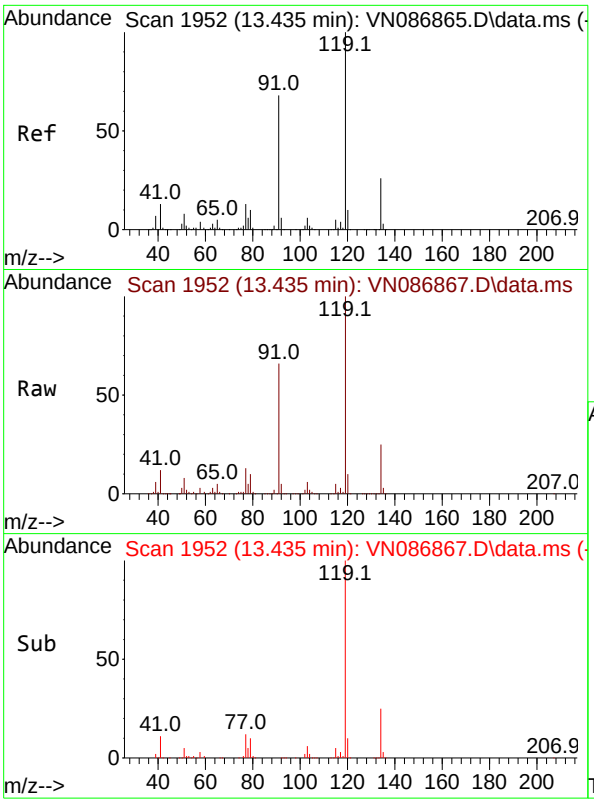


#82
4-Chlorotoluene
Concen: 144.900 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 91 Resp: 1063581

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.7	50.1

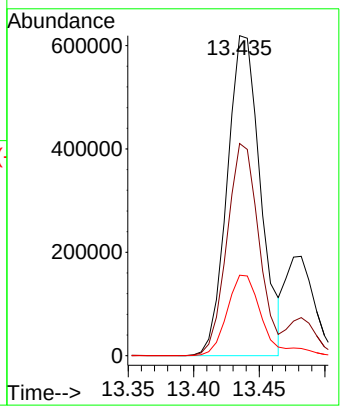




#83
tert-Butylbenzene
Concen: 145.352 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:119 Resp: 109340

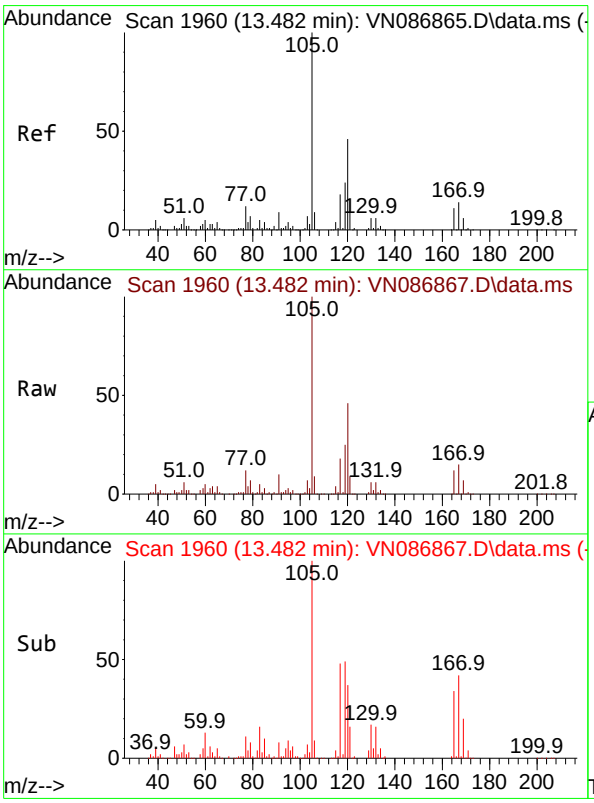
Ion	Ratio	Lower	Upper
119	100		
91	63.8	32.1	96.5
134	26.7	13.4	40.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

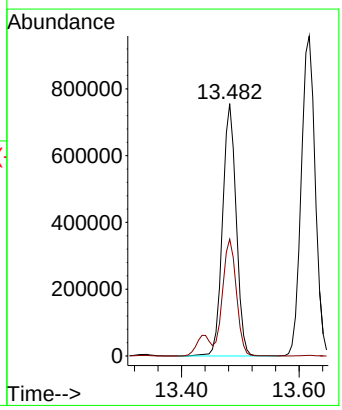
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

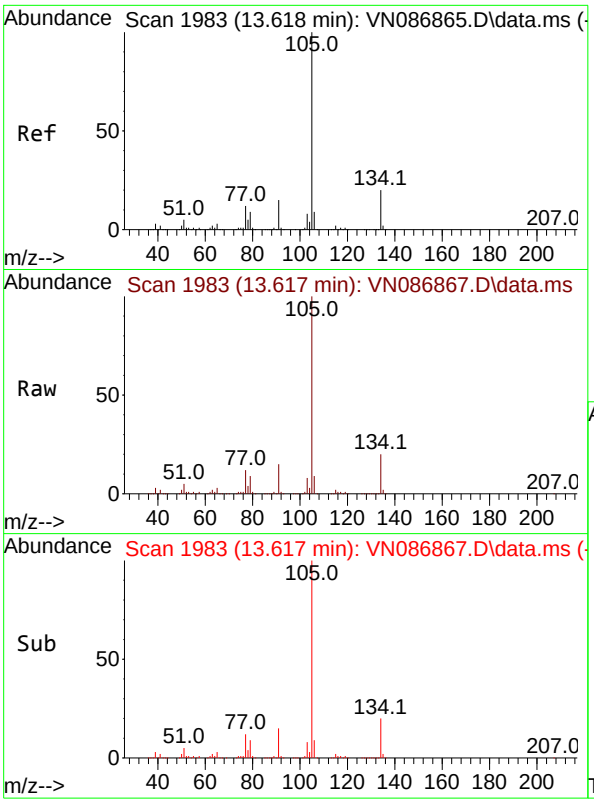


#84
1,2,4-Trimethylbenzene
Concen: 147.626 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:105 Resp: 1216529

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.2	69.6





#85
sec-Butylbenzene
Concen: 144.885 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

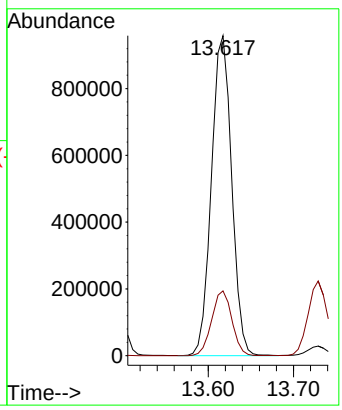
Tgt Ion:105 Resp: 158276

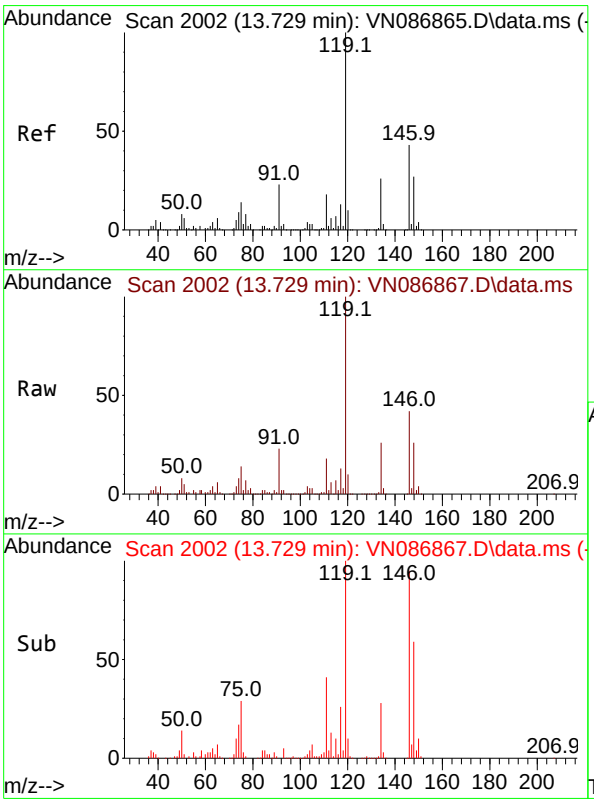
Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.0	30.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

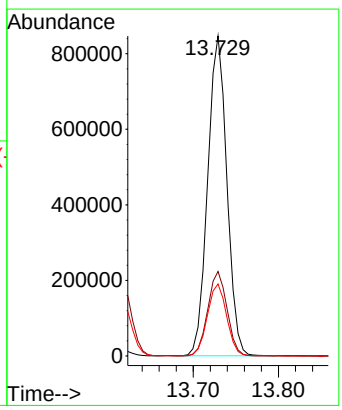


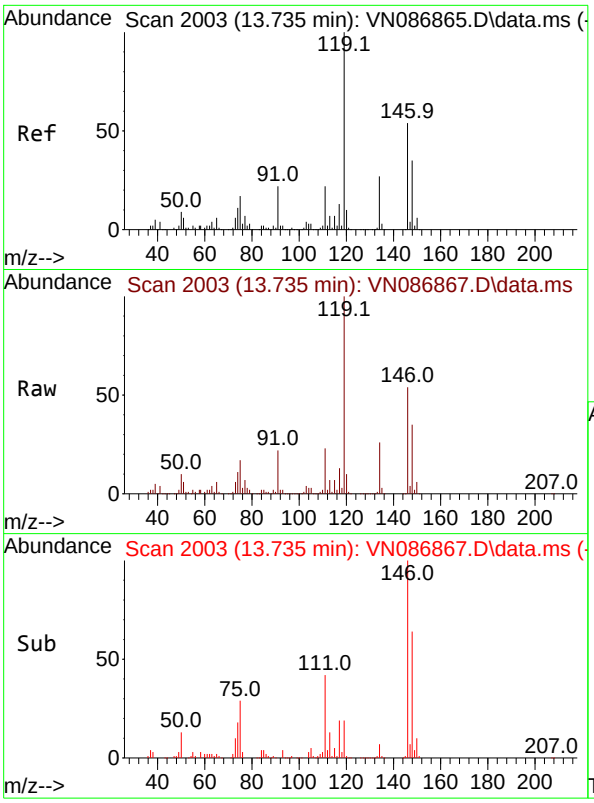


#86
p-Isopropyltoluene
Concen: 146.482 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:119 Resp: 1322780

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.5	40.4
91	22.7	11.5	34.4





#87
1,3-Dichlorobenzene
Concen: 142.939 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

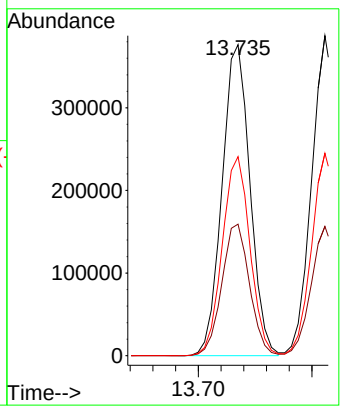
Tgt Ion:146 Resp: 64196

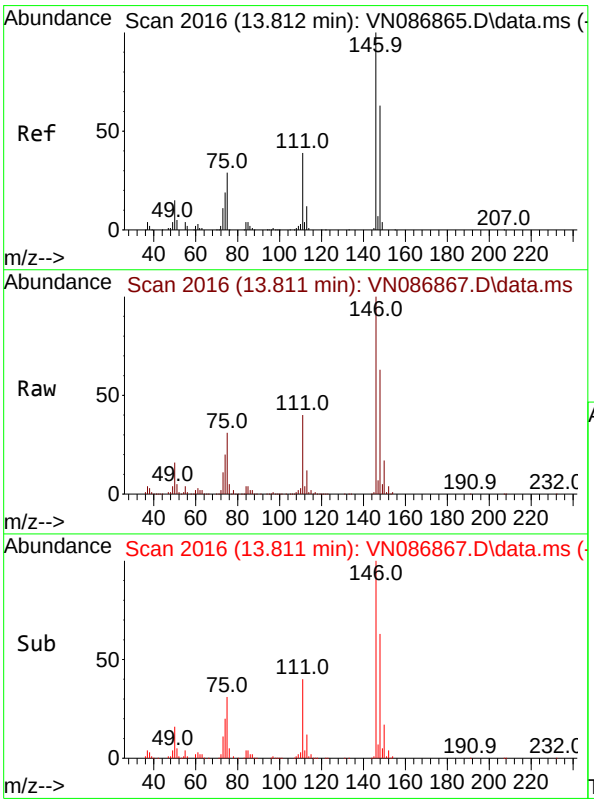
Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.9	62.8
148	63.8	32.0	96.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

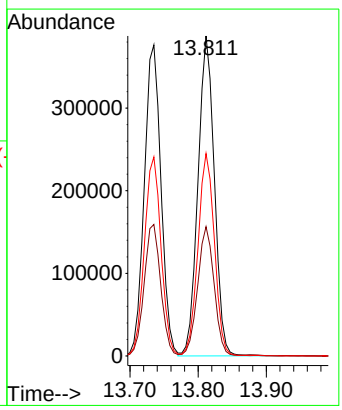


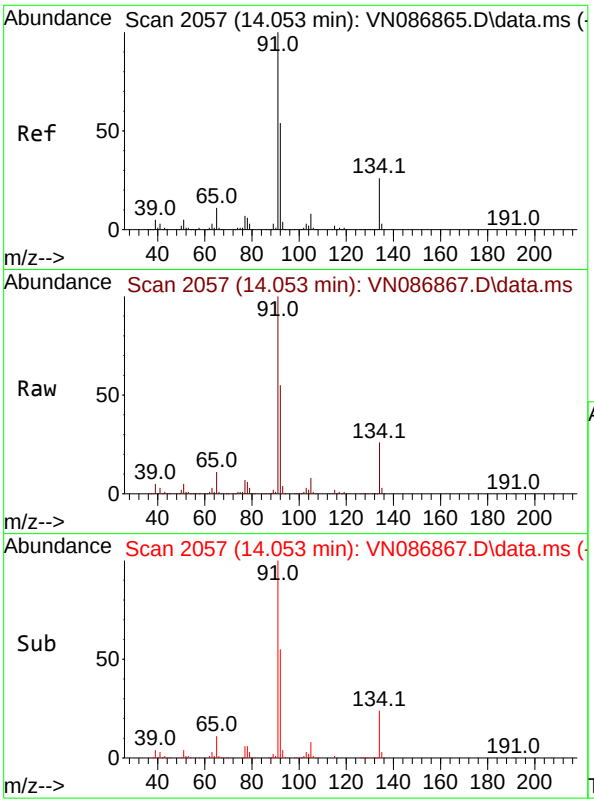


#88
1,4-Dichlorobenzene
Concen: 141.124 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:146 Resp: 646188

Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.9	59.7
148	63.2	31.8	95.4

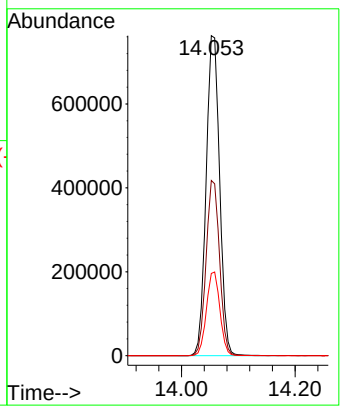




#89
n-Butylbenzene
Concen: 143.117 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 91 Resp: 125181

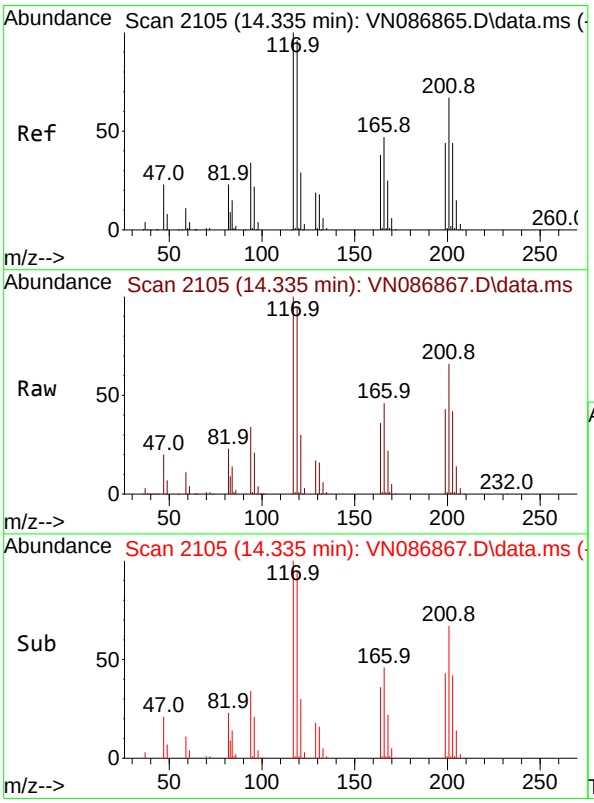
Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.5	82.4
134	26.1	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

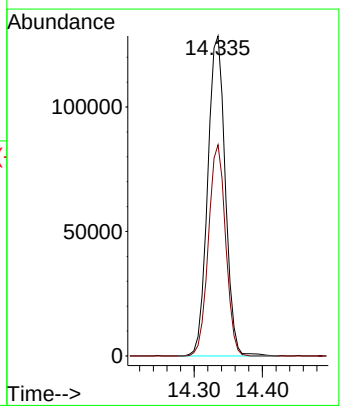
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

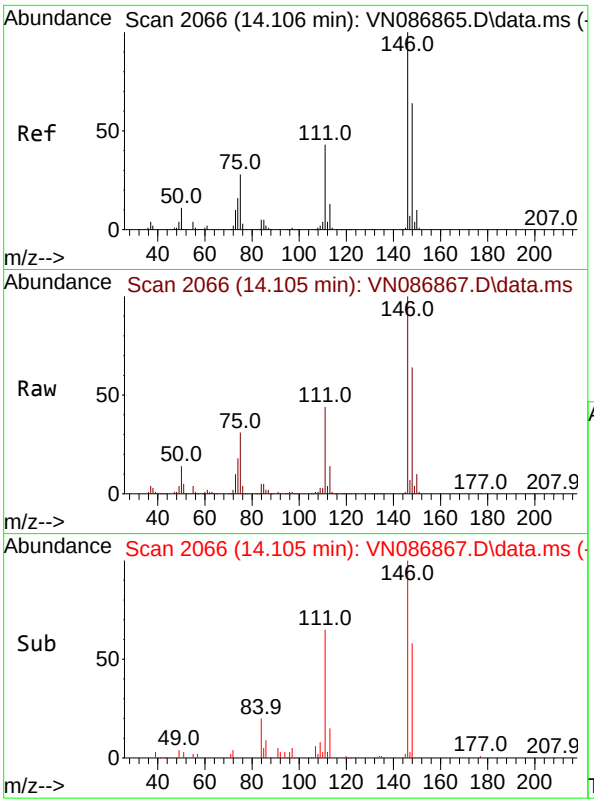


#90
Hexachloroethane
Concen: 150.387 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:117 Resp: 230195

Ion	Ratio	Lower	Upper
117	100		
201	64.5	33.2	99.6

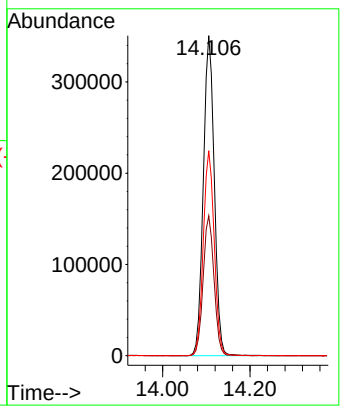




#91
1,2-Dichlorobenzene
Concen: 142.108 ug/l
RT: 14.105 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:146 Resp: 61317

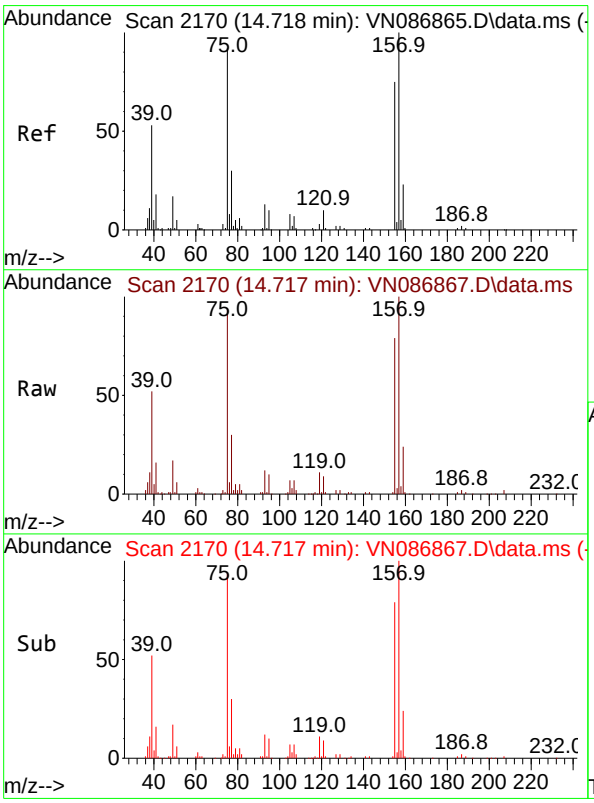
Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.6	64.6
148	63.8	31.7	95.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

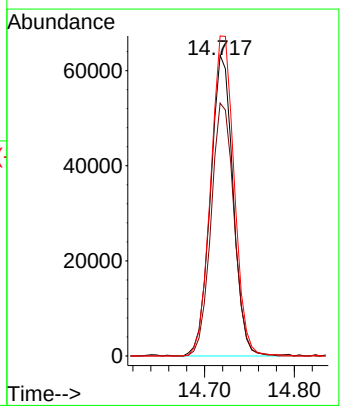
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

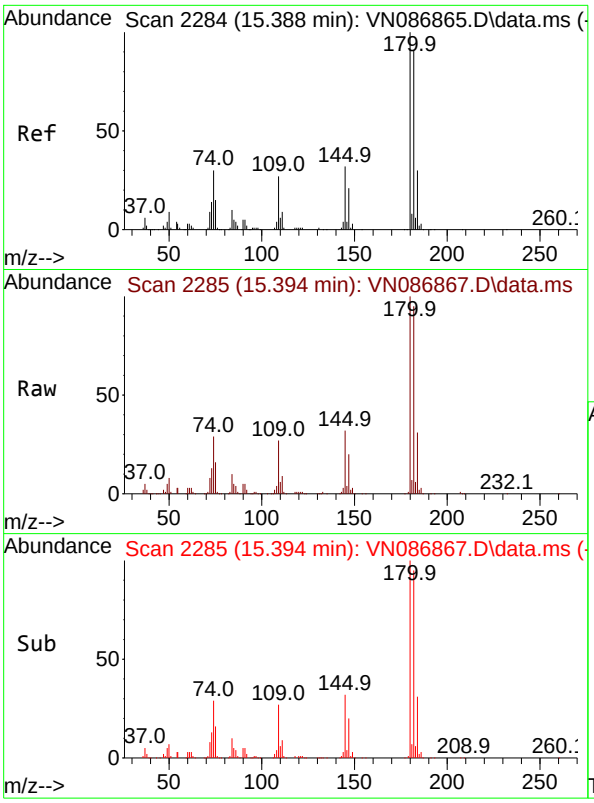


#92
1,2-Dibromo-3-Chloropropane
Concen: 137.242 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 75 Resp: 110677

Ion	Ratio	Lower	Upper
75	100		
155	85.5	41.1	123.4
157	110.2	52.7	158.1

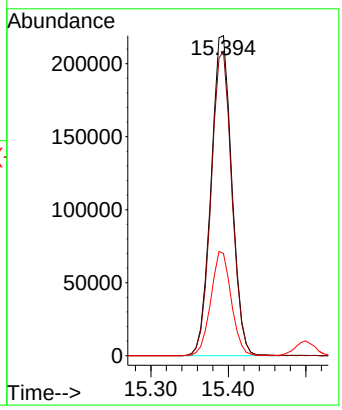




#93
1,2,4-Trichlorobenzene
Concen: 147.940 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:180 Resp: 40762

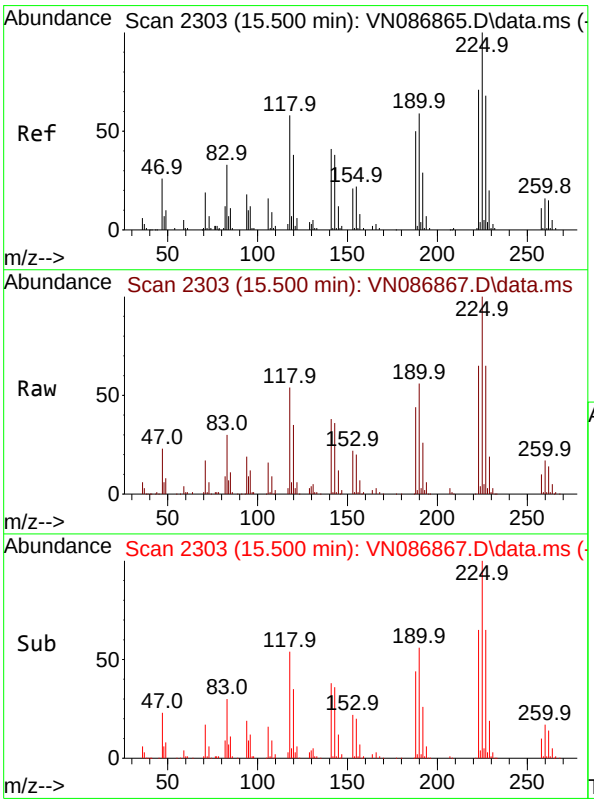
Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.9	140.7
145	32.0	16.0	47.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

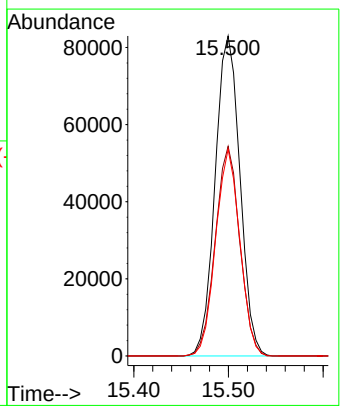
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

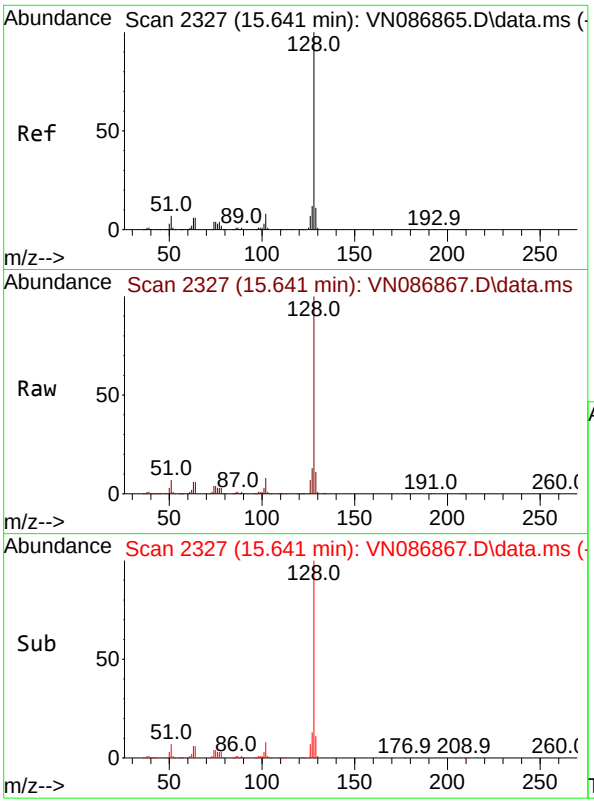


#94
Hexachlorobutadiene
Concen: 147.264 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:225 Resp: 151172

Ion	Ratio	Lower	Upper
225	100		
223	64.8	33.5	100.4
227	63.0	31.1	93.5

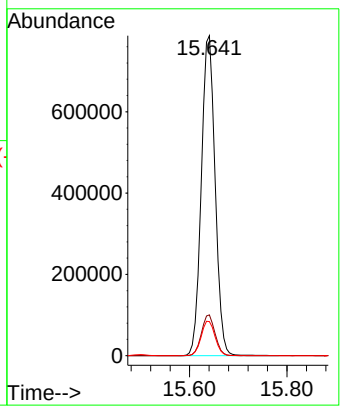




#95
Naphthalene
Concen: 150.743 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:128 Resp: 154598

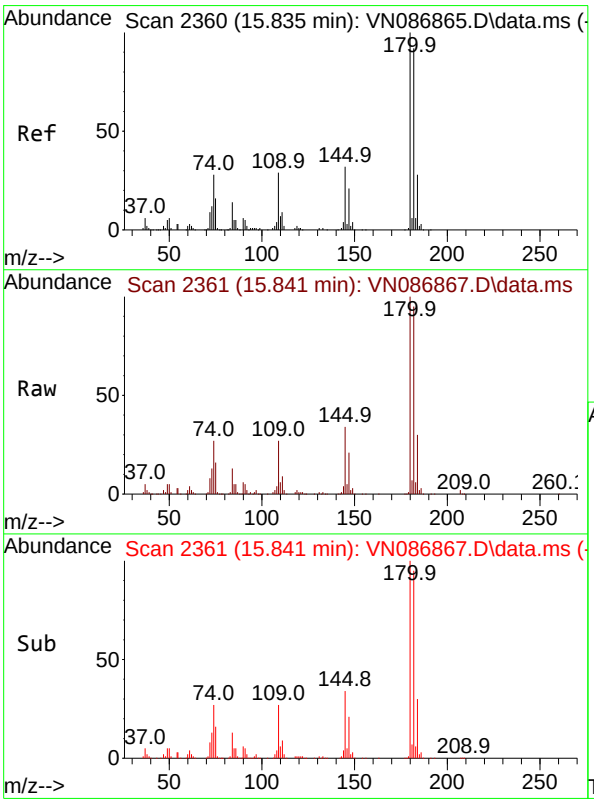
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.9	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

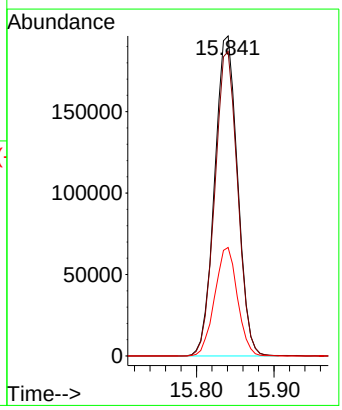
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



#96
1,2,3-Trichlorobenzene
Concen: 147.743 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:180 Resp: 404450

Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.0	141.0
145	33.6	16.6	49.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	218122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	394140	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	348935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	172710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	152255	52.135	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.260%			
35) Dibromofluoromethane	8.177	113	127102	54.416	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.840%			
50) Toluene-d8	10.571	98	491265	53.129	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.260%			
62) 4-Bromofluorobenzene	12.847	95	185792	54.081	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	120237	55.286	ug/l	99
3) Chloromethane	2.401	50	139027	49.505	ug/l	99
4) Vinyl Chloride	2.554	62	151951	52.451	ug/l	99
5) Bromomethane	2.989	94	89638	55.292	ug/l	95
6) Chloroethane	3.154	64	95654	51.117	ug/l	96
7) Trichlorofluoromethane	3.524	101	196138	51.819	ug/l	97
8) Diethyl Ether	3.983	74	87405	53.001	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.395	101	127498	53.615	ug/l	99
10) Methyl Iodide	4.612	142	164080	53.227	ug/l	97
11) Tert butyl alcohol	5.542	59	207768	262.193	ug/l	99
12) 1,1-Dichloroethene	4.359	96	125461	51.678	ug/l	99
13) Acrolein	4.195	56	60336	240.545	ug/l	98
14) Allyl chloride	5.042	41	203344	50.504	ug/l	98
15) Acrylonitrile	5.736	53	479502	258.885	ug/l	100
16) Acetone	4.448	43	382146	246.750	ug/l	98
17) Carbon Disulfide	4.736	76	339466	50.550	ug/l	100
18) Methyl Acetate	5.042	43	234290	51.912	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	454641	51.720	ug/l	100
20) Methylene Chloride	5.295	84	143862	49.617	ug/l	97
21) trans-1,2-Dichloroethene	5.806	96	133535	49.437	ug/l	99
22) Diisopropyl ether	6.689	45	440080	51.853	ug/l	99
23) Vinyl Acetate	6.618	43	1828919	255.055	ug/l	99
24) 1,1-Dichloroethane	6.589	63	251473	51.487	ug/l	98
25) 2-Butanone	7.494	43	644194	255.897	ug/l	99
26) 2,2-Dichloropropane	7.500	77	216678	57.031	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	164985	51.073	ug/l	99
28) Bromochloromethane	7.824	49	108810	45.310	ug/l	99
29) Tetrahydrofuran	7.847	42	420891	256.656	ug/l	100
30) Chloroform	7.977	83	248429	50.933	ug/l	97
31) Cyclohexane	8.265	56	237836	50.212	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	209927	50.603	ug/l	97
36) 1,1-Dichloropropene	8.377	75	181414	52.123	ug/l	99
37) Ethyl Acetate	7.571	43	222090	50.125	ug/l	99
38) Carbon Tetrachloride	8.371	117	179281	52.466	ug/l	98
39) Methylcyclohexane	9.606	83	251231	52.686	ug/l	98
40) Benzene	8.612	78	579667	50.931	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.789	41	130903	52.607	ug/l		100
42) 1,2-Dichloroethane	8.677	62	177746	51.489	ug/l		100
43) Isopropyl Acetate	8.694	43	359378	50.536	ug/l		100
44) Trichloroethene	9.359	130	139763	51.788	ug/l		100
45) 1,2-Dichloropropane	9.624	63	142463	51.450	ug/l		99
46) Dibromomethane	9.712	93	97199	52.849	ug/l		98
47) Bromodichloromethane	9.894	83	196104	51.824	ug/l		100
48) Methyl methacrylate	9.688	41	168001	51.328	ug/l		98
49) 1,4-Dioxane	9.706	88	66102	1110.123	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.447	43	1146622	267.835	ug/l		99
52) Toluene	10.635	92	361963	52.040	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	224839	53.137	ug/l		99
54) cis-1,3-Dichloropropene	10.318	75	237774	52.519	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	137998	51.562	ug/l		99
56) Ethyl methacrylate	10.882	69	241649	56.688	ug/l		98
57) 1,3-Dichloropropane	11.165	76	238572	51.386	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.165	63	625479	246.006	ug/l		100
59) 2-Hexanone	11.200	43	781717	283.478	ug/l		100
60) Dibromochloromethane	11.359	129	146749	52.627	ug/l		99
61) 1,2-Dibromoethane	11.471	107	142338	51.887	ug/l		99
64) Tetrachloroethene	11.106	164	111409	50.450	ug/l		98
65) Chlorobenzene	11.894	112	391661	50.892	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	129045	52.164	ug/l		99
67) Ethyl Benzene	11.965	91	683879	51.590	ug/l		98
68) m/p-Xylenes	12.071	106	527293	103.912	ug/l		98
69) o-Xylene	12.400	106	254600	52.387	ug/l		100
70) Styrene	12.412	104	438751	52.758	ug/l		99
71) Bromoform	12.582	173	100357	54.751	ug/l	#	99
73) Isopropylbenzene	12.694	105	652045	51.823	ug/l		100
74) N-amyl acetate	12.506	43	238355	54.212	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.941	83	220643	51.763	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	220957m	53.821	ug/l		
77) Bromobenzene	12.982	156	150950	52.313	ug/l		100
78) n-propylbenzene	13.035	91	801180	52.397	ug/l		100
79) 2-Chlorotoluene	13.123	91	473629	51.650	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	548347	52.787	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	99341	55.702	ug/l		97
82) 4-Chlorotoluene	13.223	91	481403	51.884	ug/l		99
83) tert-Butylbenzene	13.441	119	499519	52.532	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	552333	53.024	ug/l		100
85) sec-Butylbenzene	13.618	105	723986	52.428	ug/l		100
86) p-Isopropyltoluene	13.729	119	606979	53.174	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	290810	51.224	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	298412	51.557	ug/l		100
89) n-Butylbenzene	14.059	91	579636	52.424	ug/l		100
90) Hexachloroethane	14.335	117	102254	52.847	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	280025	51.340	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	50115	49.161	ug/l		98
93) 1,2,4-Trichlorobenzene	15.394	180	181064	51.986	ug/l		99
94) Hexachlorobutadiene	15.500	225	68570	52.843	ug/l		99
95) Naphthalene	15.641	128	674187	52.005	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	174888	50.539	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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

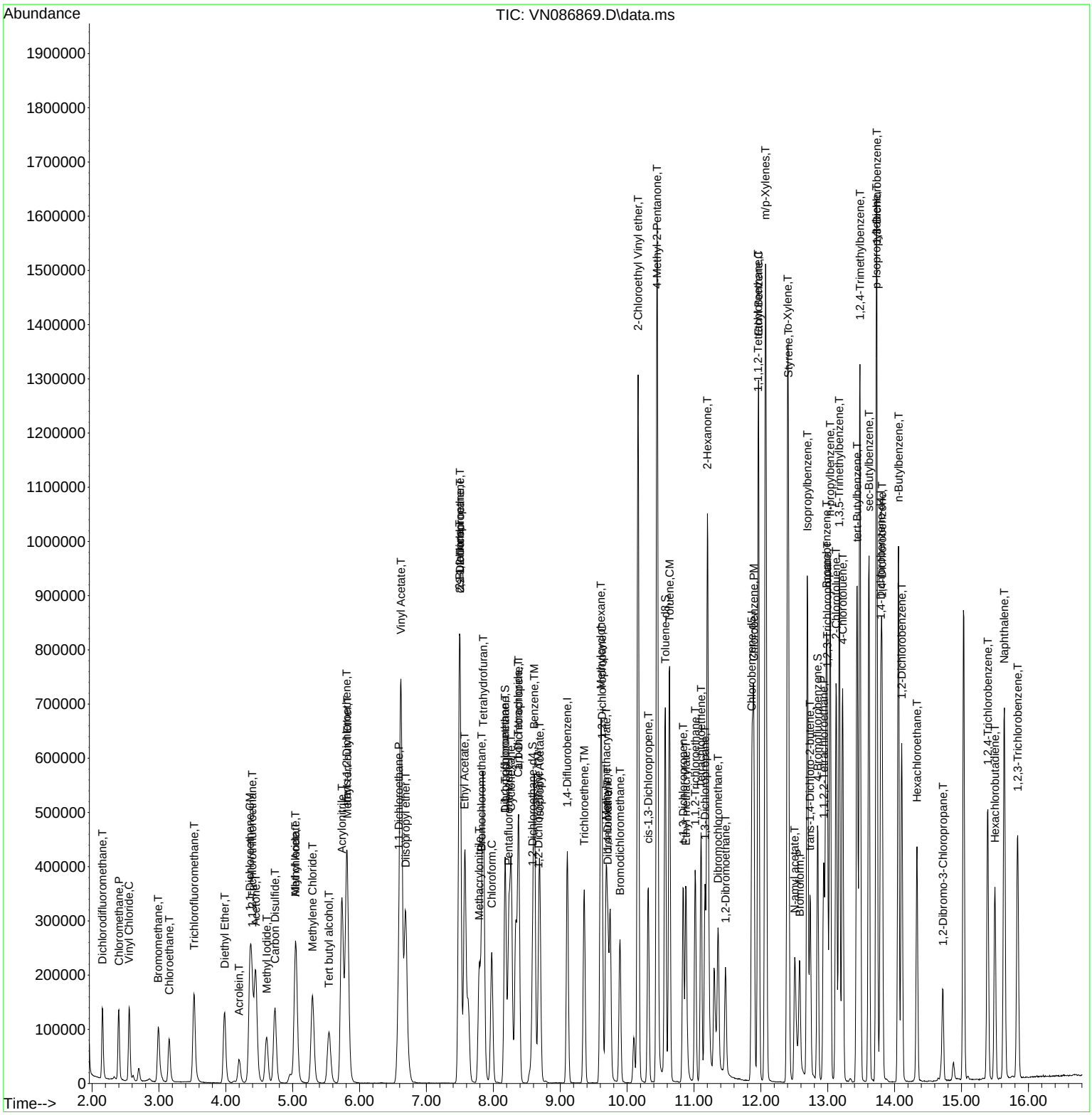
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

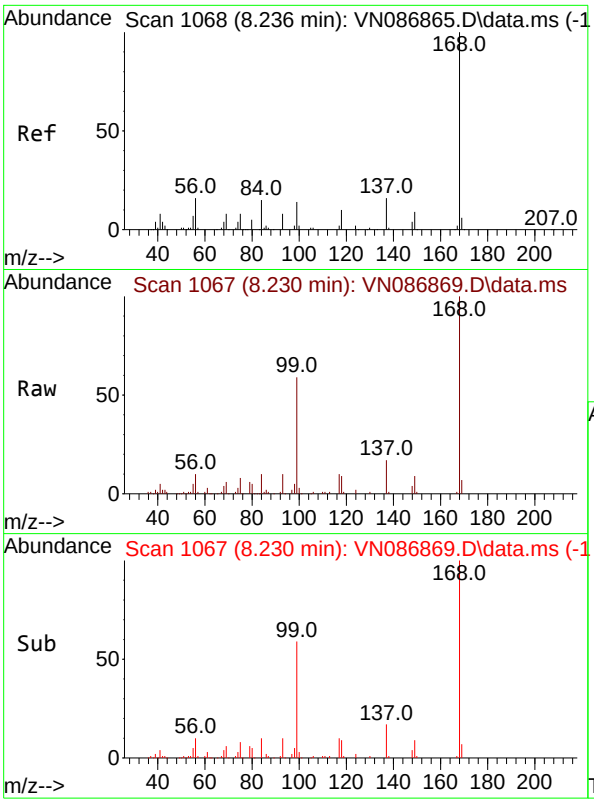
Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

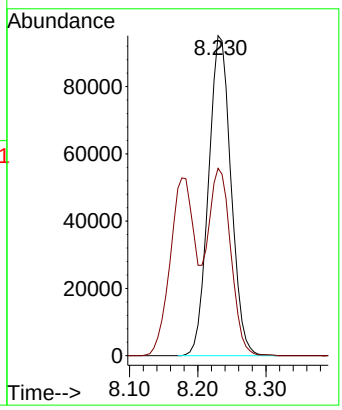




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:168 Resp: 21812

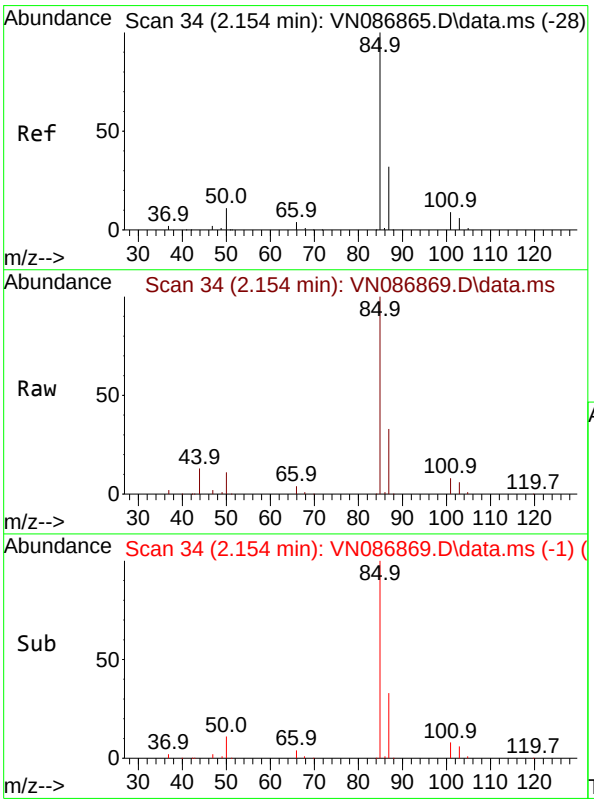
Ion	Ratio	Lower	Upper
168	100		
99	58.6	49.1	73.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

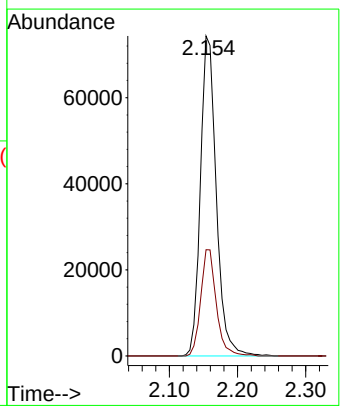
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

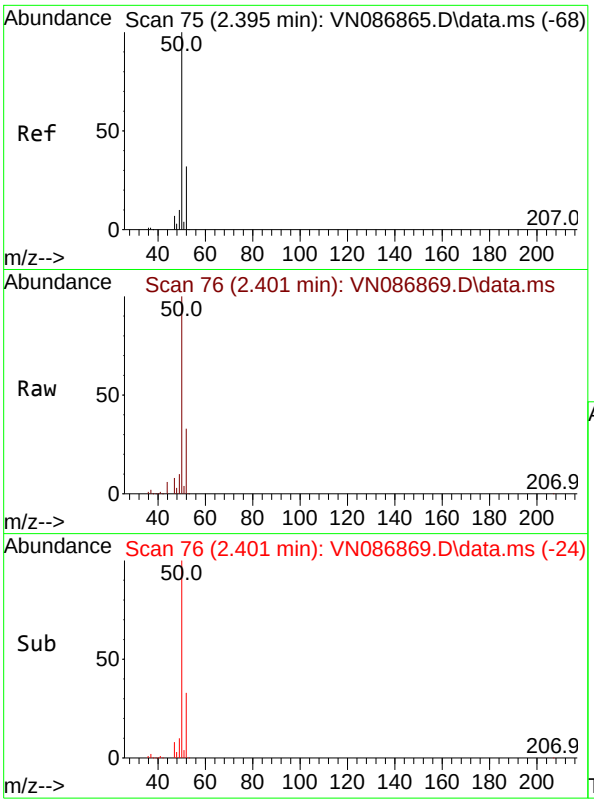


#2
Dichlorodifluoromethane
Concen: 55.286 ug/l
RT: 2.154 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 85 Resp: 120237

Ion	Ratio	Lower	Upper
85	100		
87	33.2	16.2	48.6

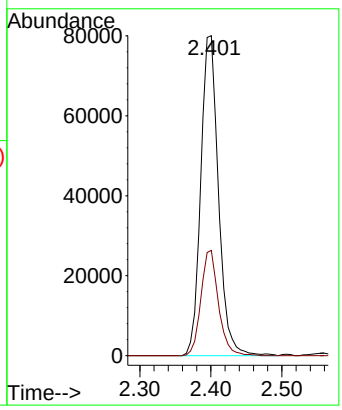




#3
Chloromethane
Concen: 49.505 ug/l
RT: 2.401 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 50 Resp: 13902

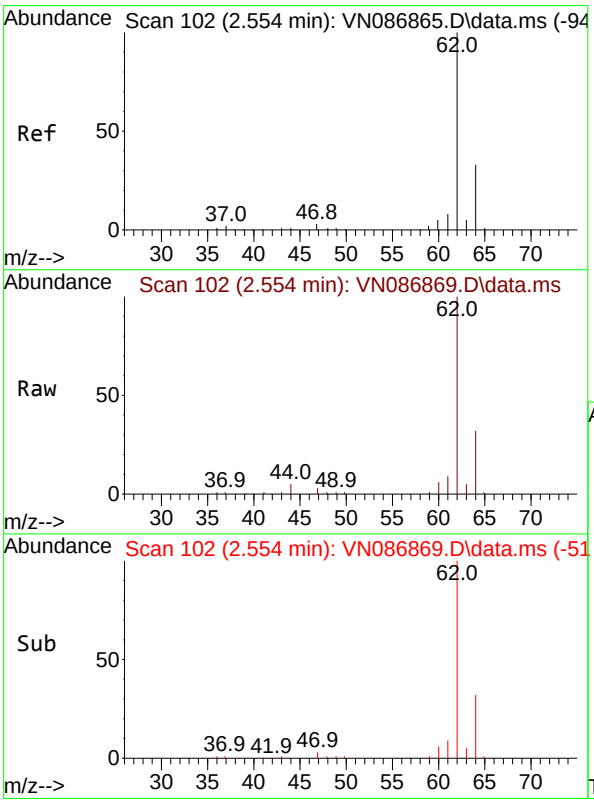
Ion	Ratio	Lower	Upper
50	100		
52	32.9	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

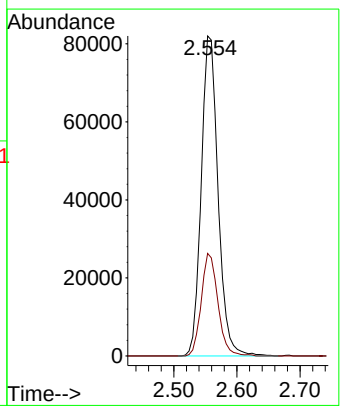
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

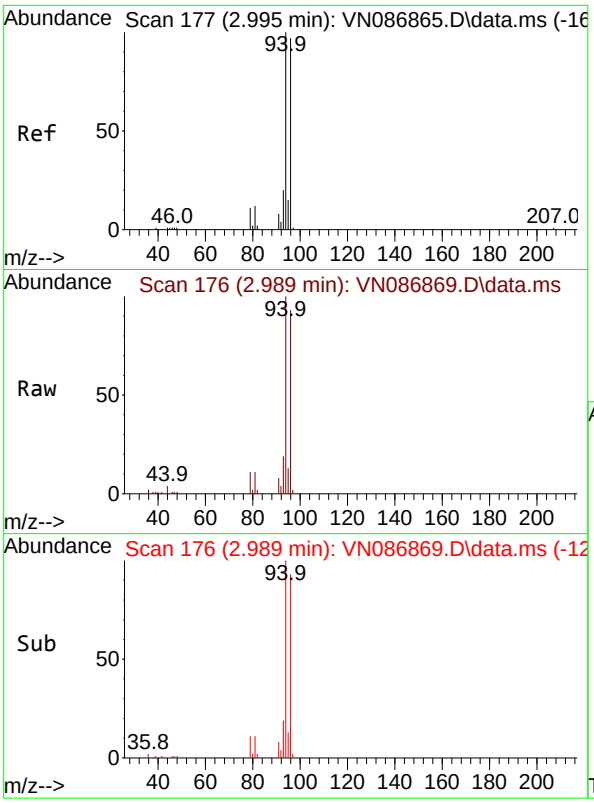


#4
Vinyl Chloride
Concen: 52.451 ug/l
RT: 2.554 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 62 Resp: 151951

Ion	Ratio	Lower	Upper
62	100		
64	32.0	26.0	39.0

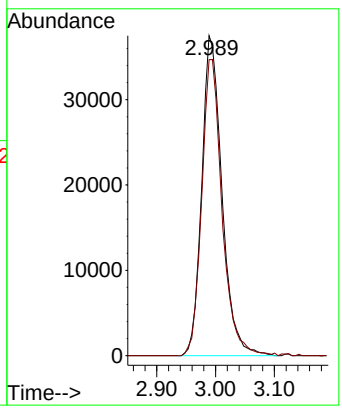




#5
Bromomethane
Concen: 55.292 ug/l
RT: 2.989 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 94 Resp: 8963

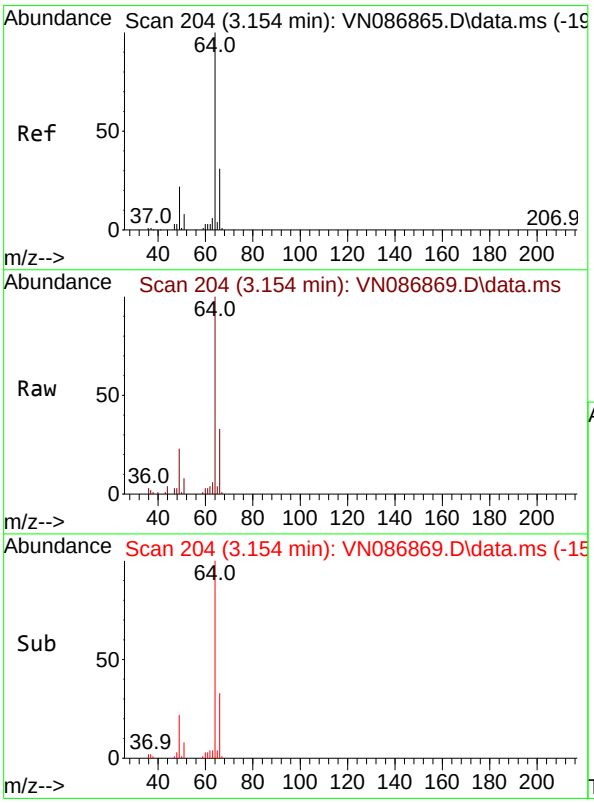
Ion	Ratio	Lower	Upper
94	100		
96	92.5	77.9	116.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

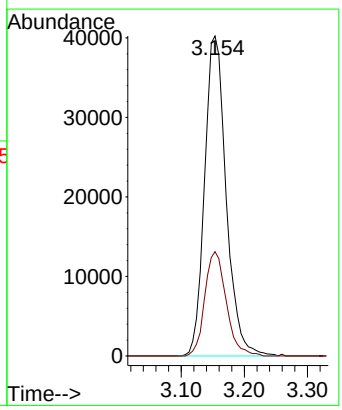
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

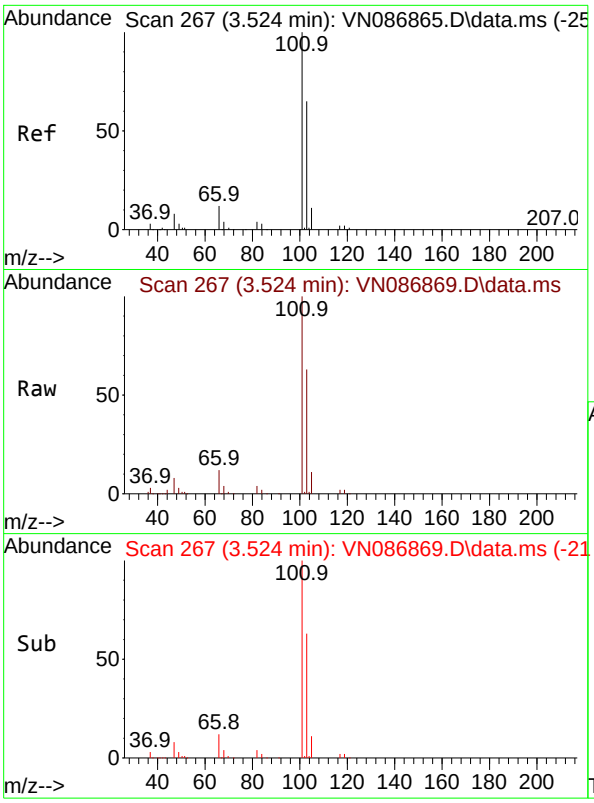


#6
Chloroethane
Concen: 51.117 ug/l
RT: 3.154 min Scan# 204
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 64 Resp: 95654

Ion	Ratio	Lower	Upper
64	100		
66	32.6	24.6	36.8





#7
Trichlorofluoromethane
Concen: 51.819 ug/l
RT: 3.524 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

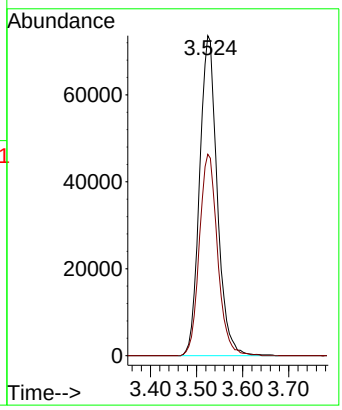
Tgt Ion:101 Resp: 19613

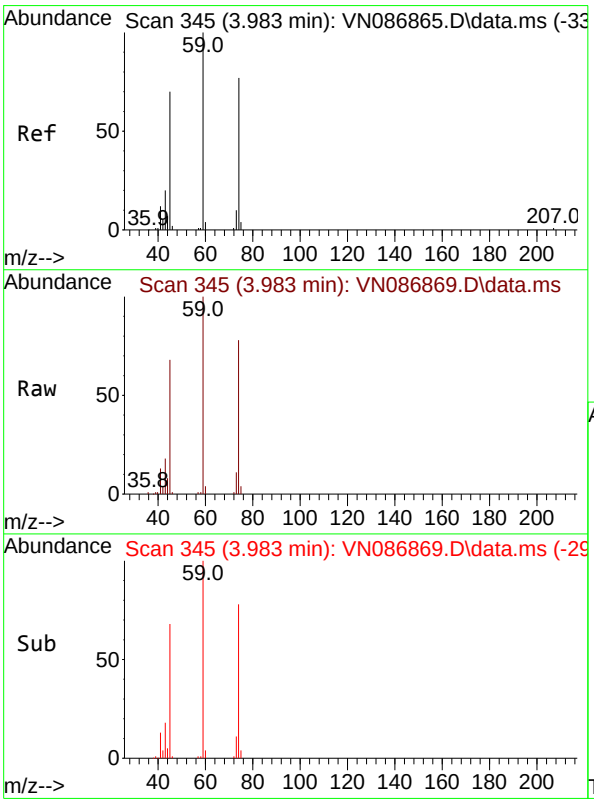
Ion	Ratio	Lower	Upper
101	100		
103	62.9	52.2	78.2

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

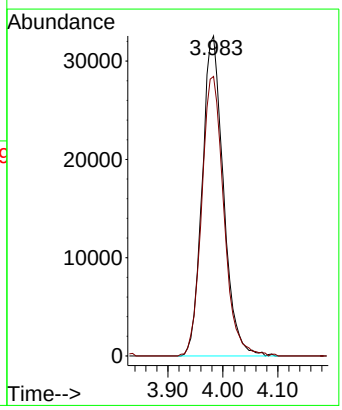


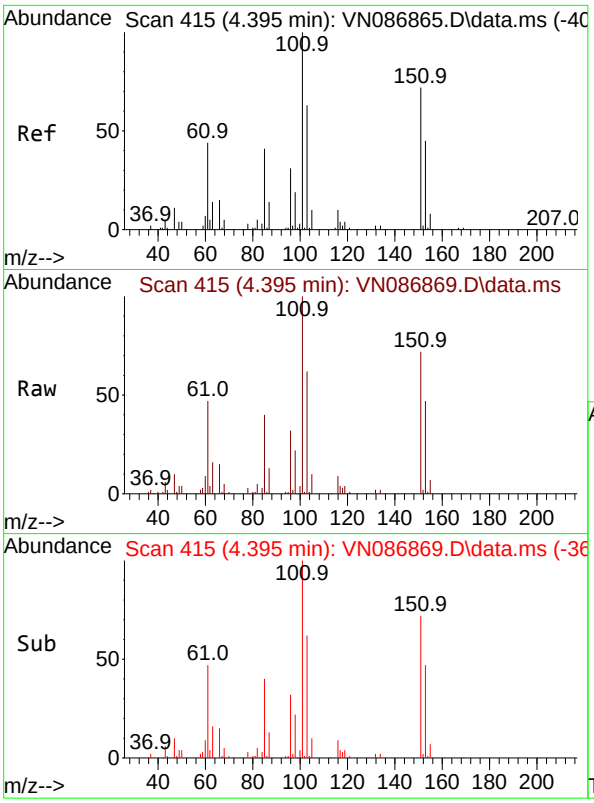


#8
Diethyl Ether
Concen: 53.001 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 74 Resp: 87405

Ion	Ratio	Lower	Upper
74	100		
45	90.9	45.5	136.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.615 ug/l
RT: 4.395 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

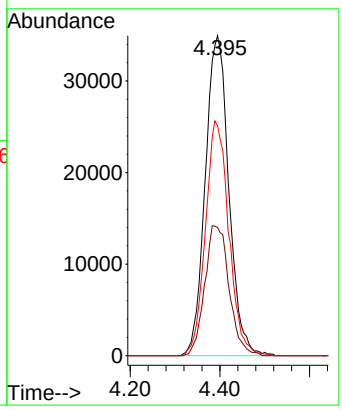
Tgt Ion:101 Resp: 12749

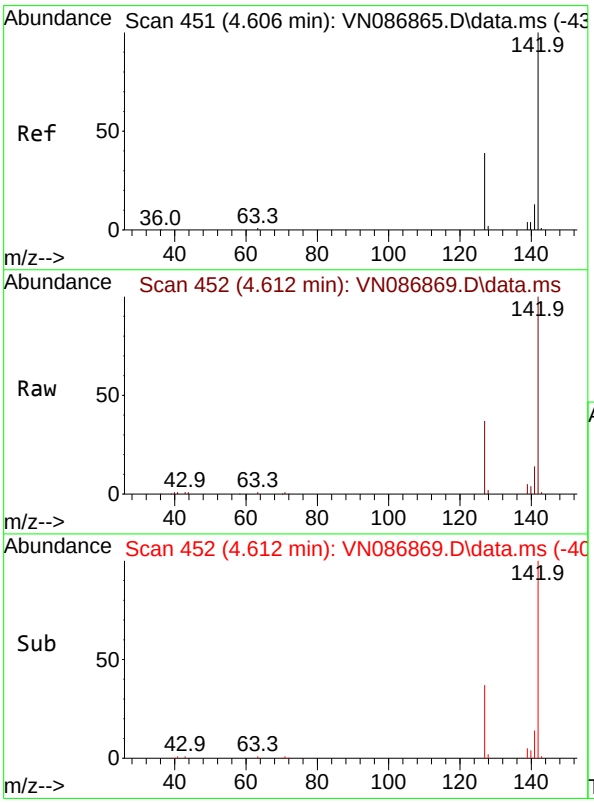
Ion	Ratio	Lower	Upper
101	100		
85	41.9	33.8	50.8
151	72.8	58.7	88.1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

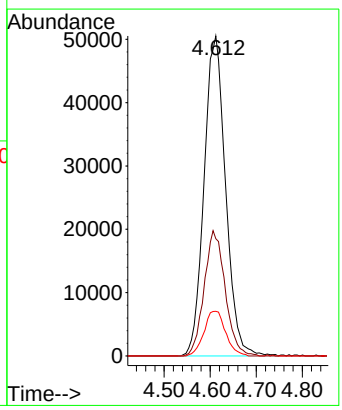


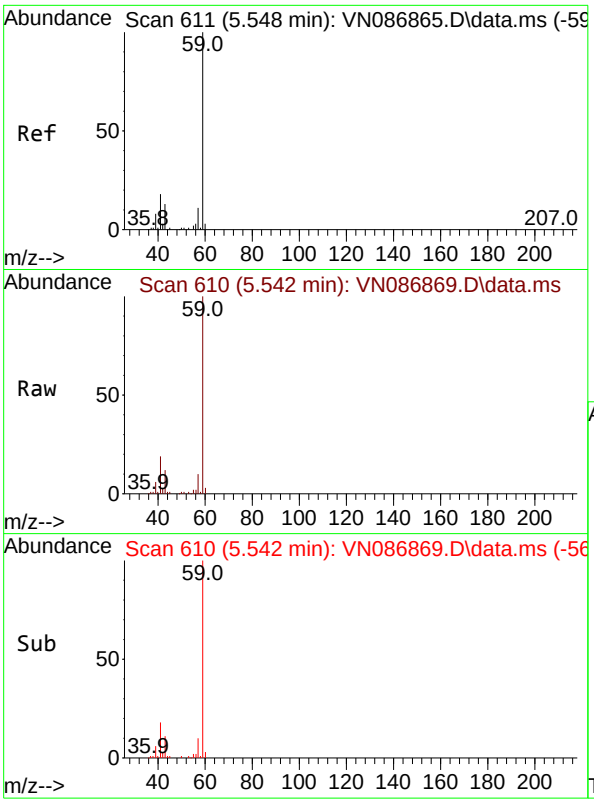


#10
Methyl Iodide
Concen: 53.227 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:142 Resp: 164080

Ion	Ratio	Lower	Upper
142	100		
127	36.6	30.9	46.3
141	14.0	10.4	15.6





#11
Tert butyl alcohol
Concen: 262.193 ug/l
RT: 5.542 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

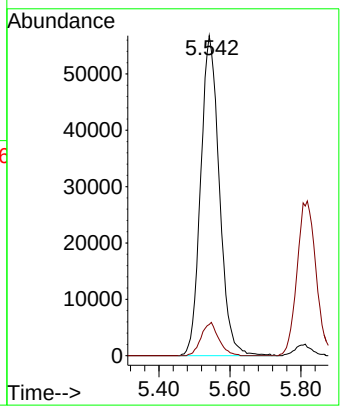
Tgt Ion: 59 Resp: 20776

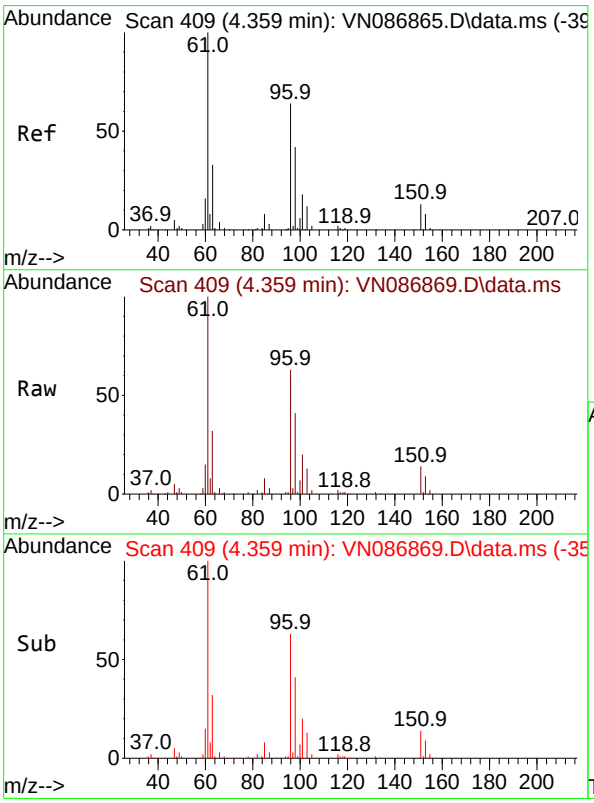
Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.1	12.1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

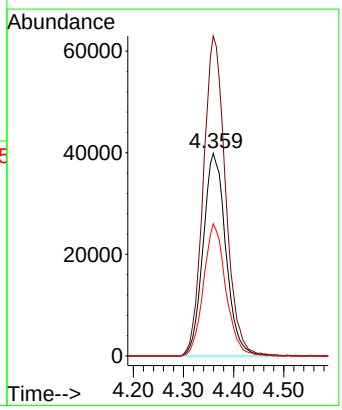


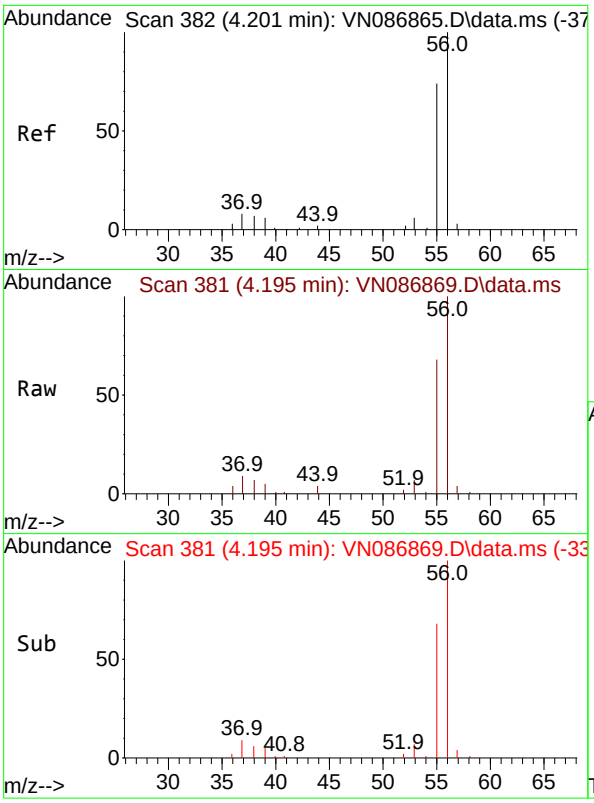


#12
1,1-Dichloroethene
Concen: 51.678 ug/l
RT: 4.359 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 96 Resp: 125461

Ion	Ratio	Lower	Upper
96	100		
61	158.0	125.8	188.6
98	65.2	52.5	78.7





#13
Acrolein
Concen: 240.545 ug/l
RT: 4.195 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

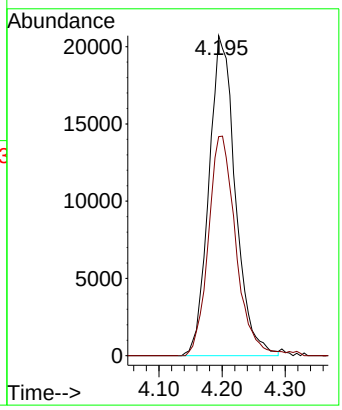
Tgt Ion: 56 Resp: 6033

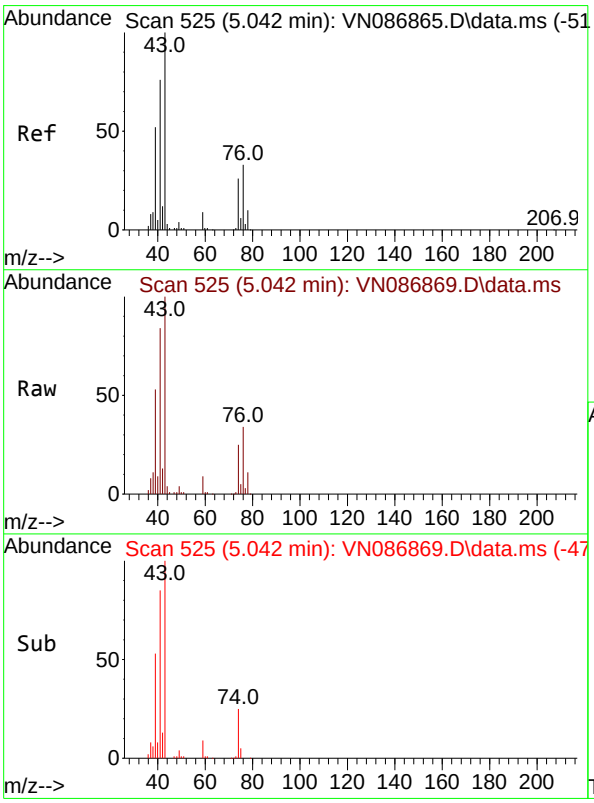
Ion	Ratio	Lower	Upper
56	100		
55	71.1	55.6	83.4

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

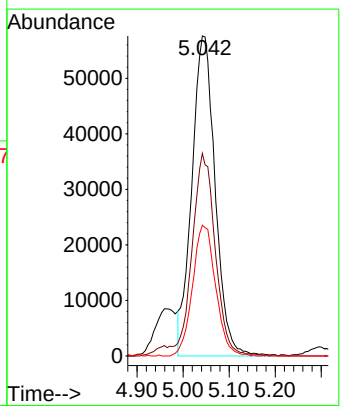


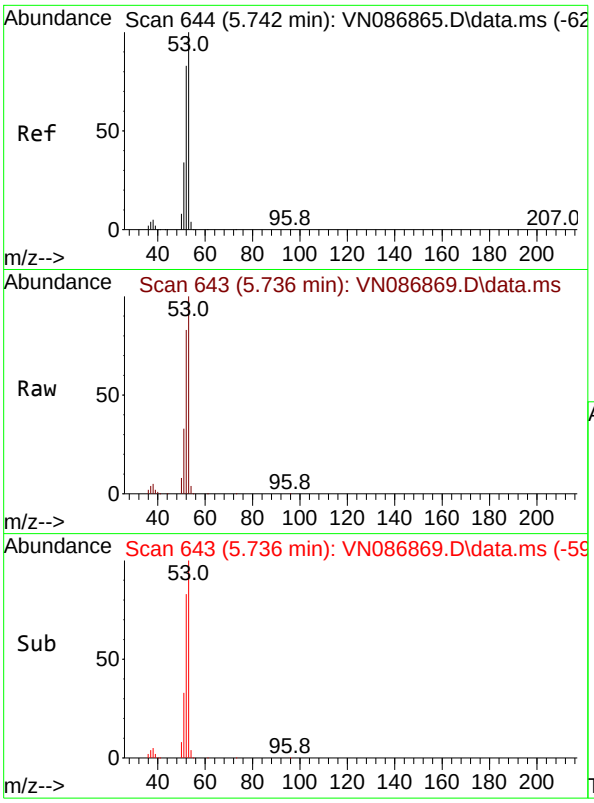


#14
Allyl chloride
Concen: 50.504 ug/l
RT: 5.042 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 41 Resp: 203344

Ion	Ratio	Lower	Upper
41	100		
39	62.3	51.3	76.9
76	40.4	31.4	47.0

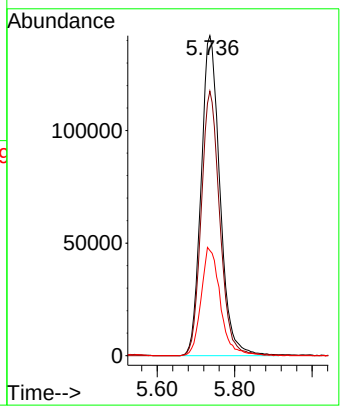




#15
Acrylonitrile
Concen: 258.885 ug/l
RT: 5.736 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 53 Resp: 47950

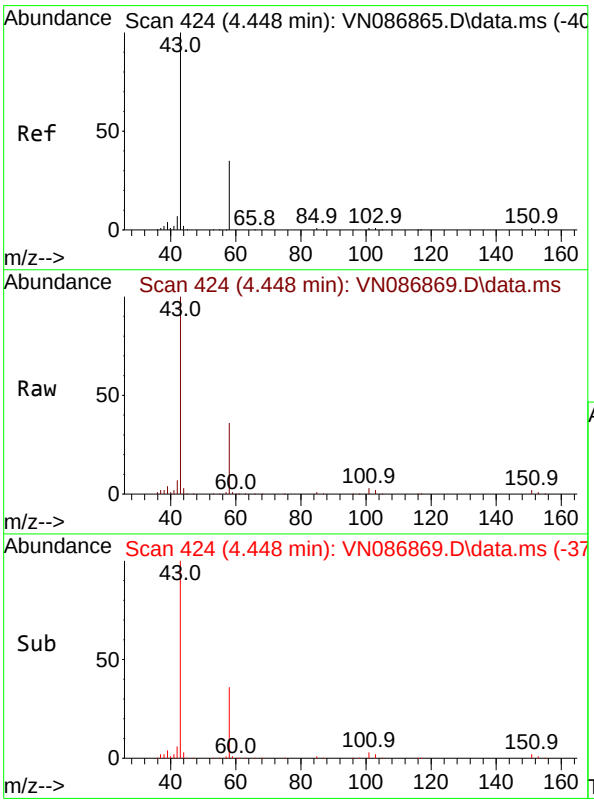
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.0	97.6
51	34.5	27.2	40.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

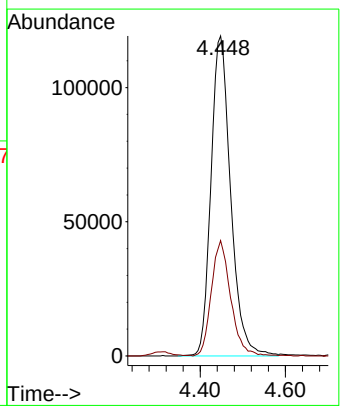
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

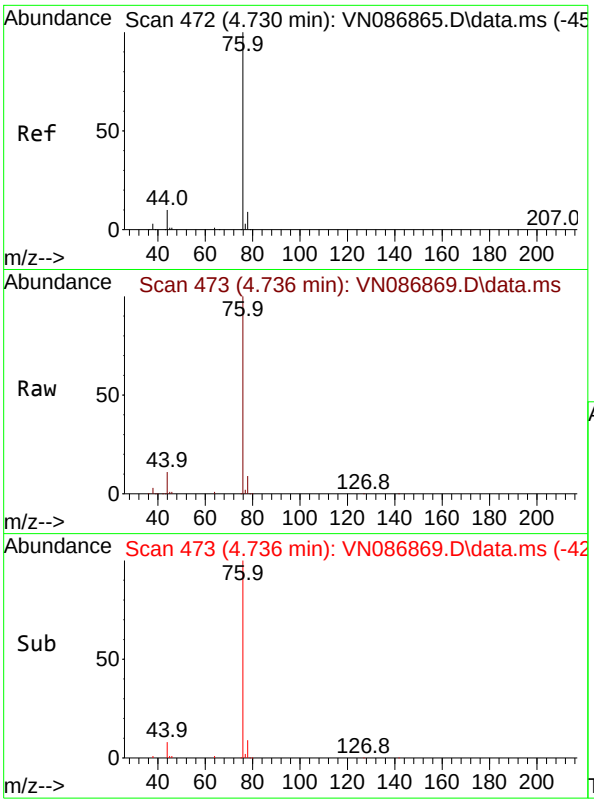


#16
Acetone
Concen: 246.750 ug/l
RT: 4.448 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 43 Resp: 382146

Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.0	42.0

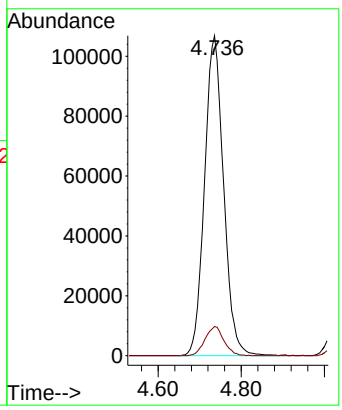




#17
Carbon Disulfide
Concen: 50.550 ug/l
RT: 4.736 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 76 Resp: 33946

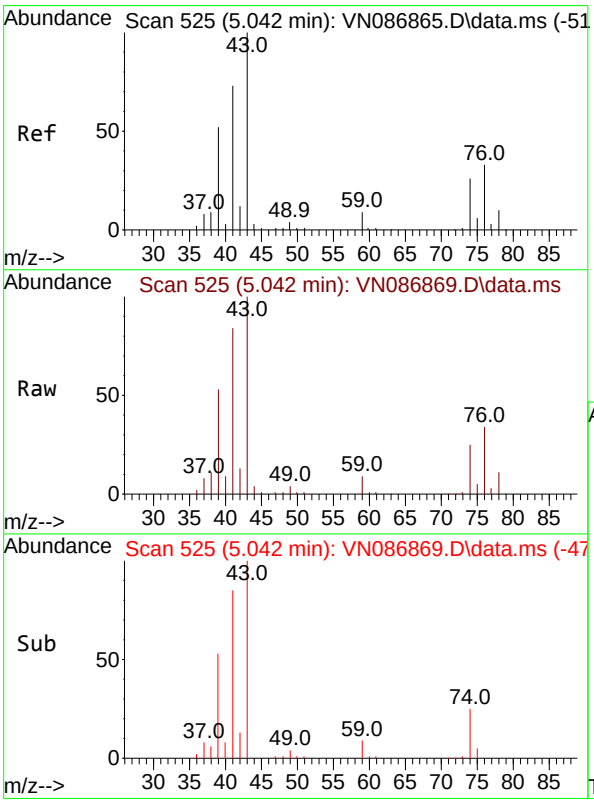
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

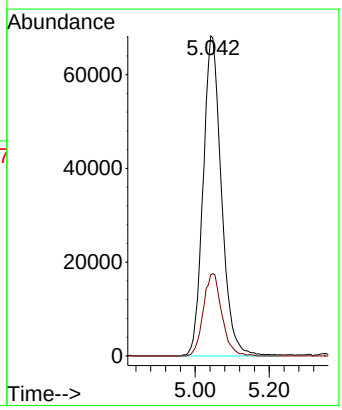
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

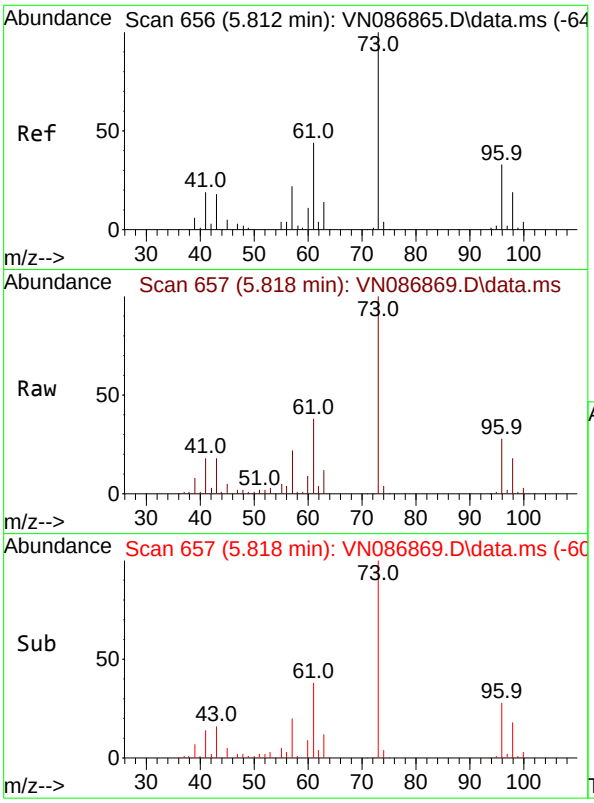


#18
Methyl Acetate
Concen: 51.912 ug/l
RT: 5.042 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 43 Resp: 234290

Ion	Ratio	Lower	Upper
43	100		
74	25.9	20.7	31.1

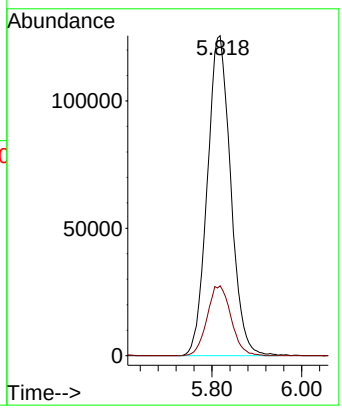




#19
Methyl tert-butyl Ether
Concen: 51.720 ug/l
RT: 5.818 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 73 Resp: 45464

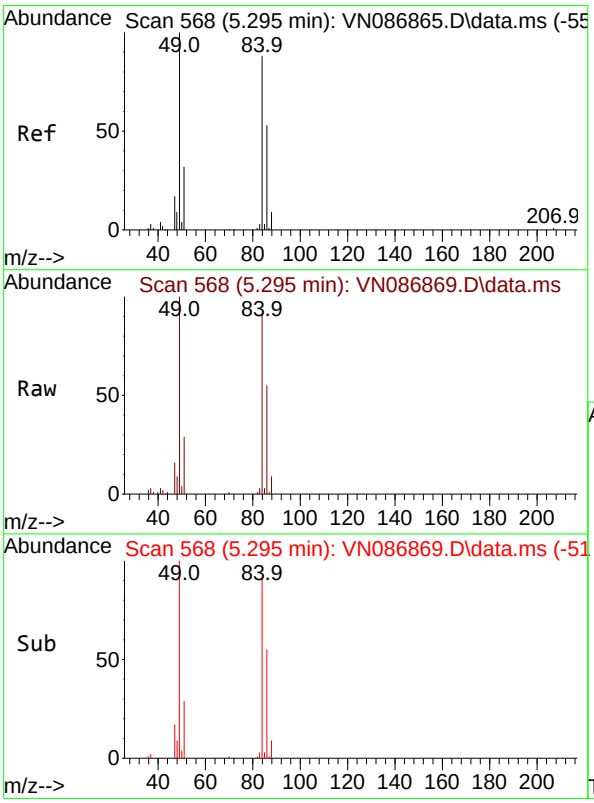
Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

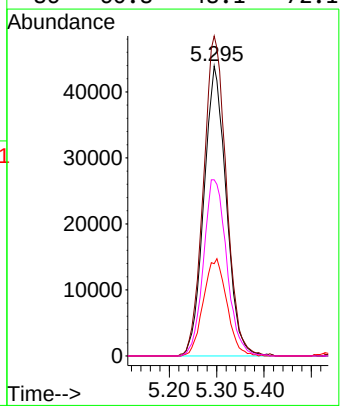
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

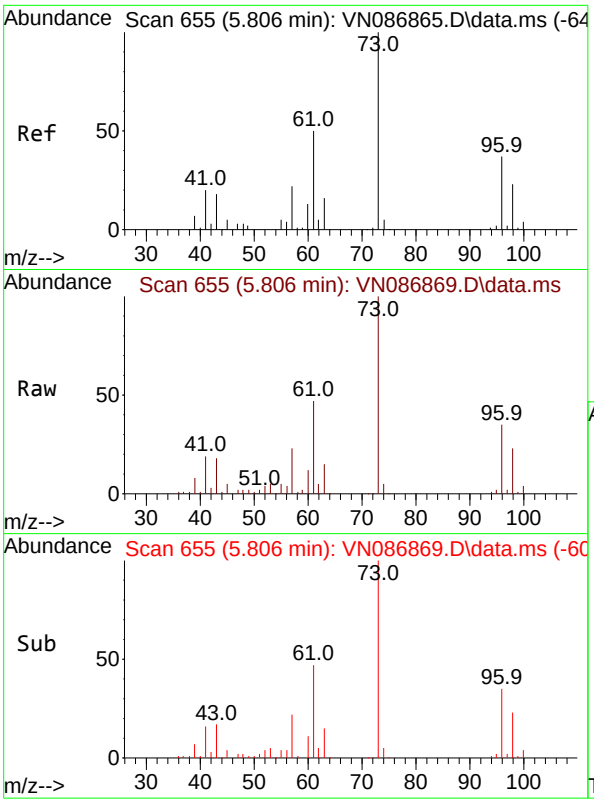


#20
Methylene Chloride
Concen: 49.617 ug/l
RT: 5.295 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 84 Resp: 143862

Ion	Ratio	Lower	Upper
84	100		
49	110.3	90.5	135.7
51	31.8	28.5	42.7
86	60.8	48.1	72.1

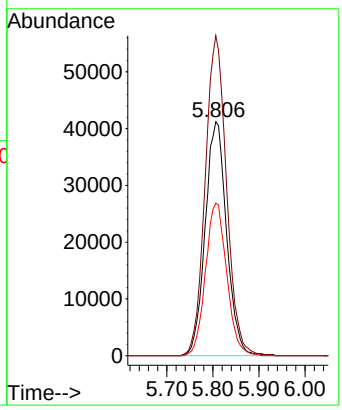




#21
trans-1,2-Dichloroethene
Concen: 49.437 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 96 Resp: 13353

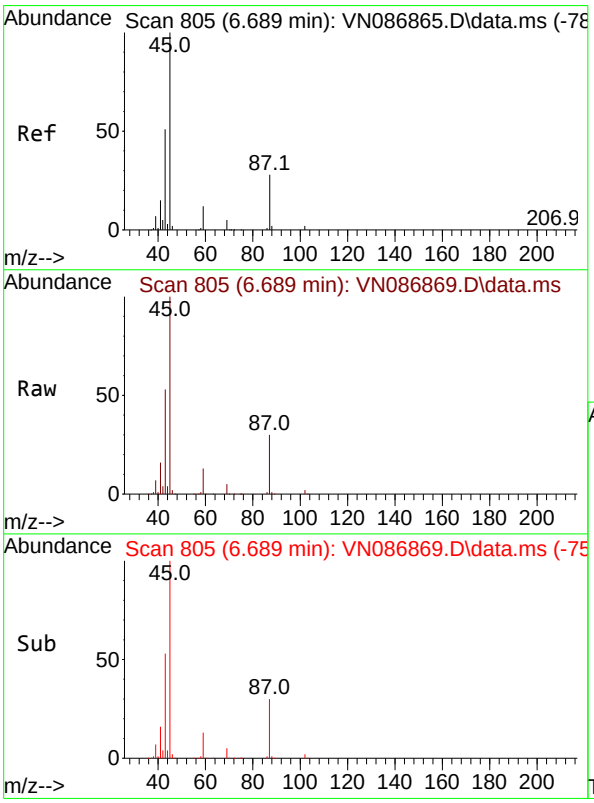
Ion	Ratio	Lower	Upper
96	100		
61	136.8	109.2	163.8
98	65.2	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

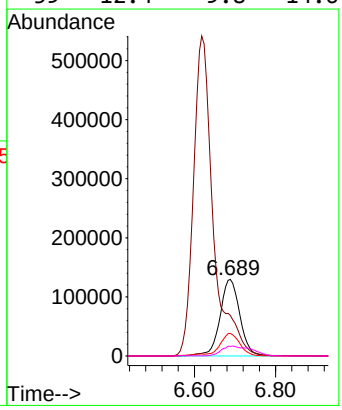
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

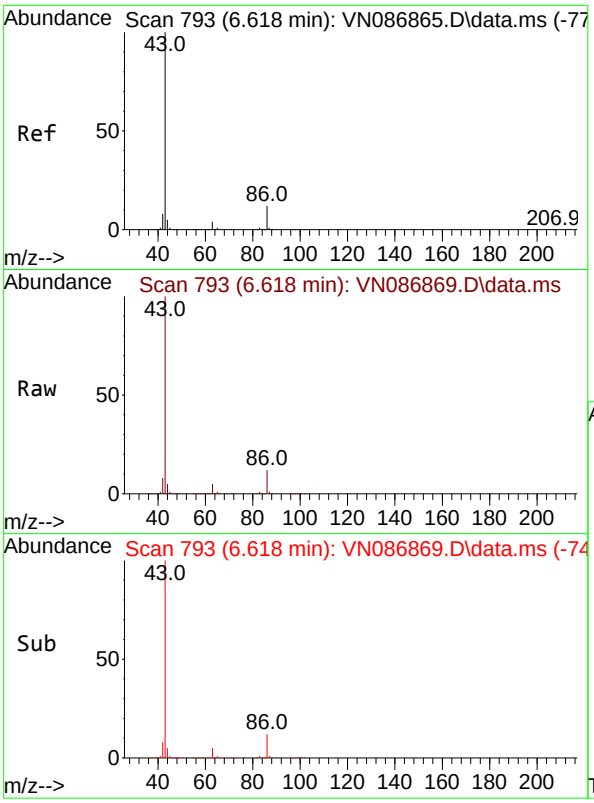


#22
Diisopropyl ether
Concen: 51.853 ug/l
RT: 6.689 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 45 Resp: 440080

Ion	Ratio	Lower	Upper
45	100		
43	52.4	41.9	62.9
87	29.5	22.4	33.6
59	12.4	9.8	14.6





#23
Vinyl Acetate
Concen: 255.055 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

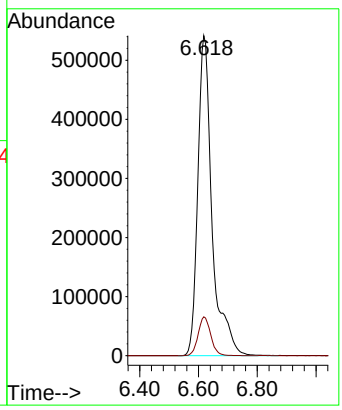
Tgt Ion: 43 Resp: 182891

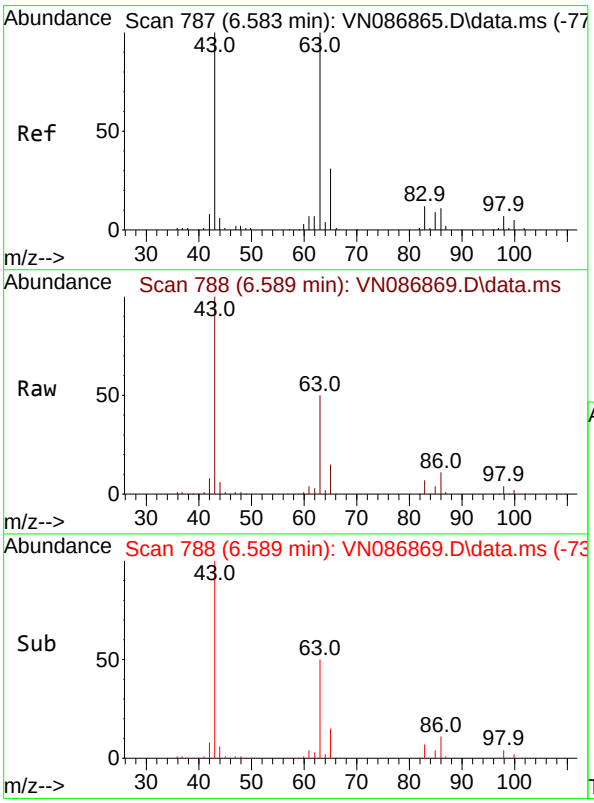
Ion	Ratio	Lower	Upper
43	100		
86	12.1	9.5	14.3

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

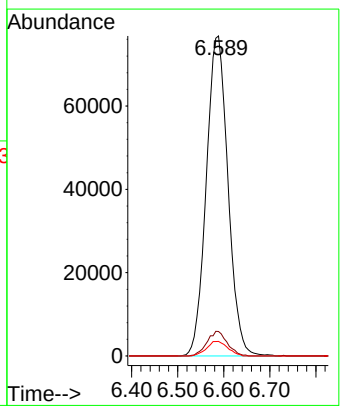


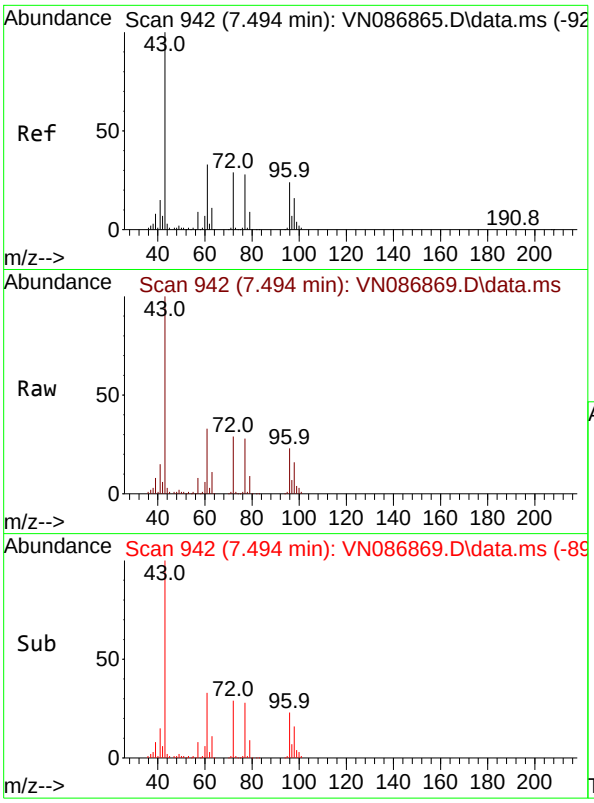


#24
1,1-Dichloroethane
Concen: 51.487 ug/l
RT: 6.589 min Scan# 788
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 63 Resp: 251473

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.6	10.8
100	4.6	2.6	7.8





#25
2-Butanone
Concen: 255.897 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

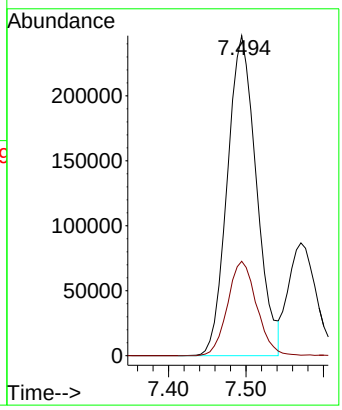
Tgt Ion: 43 Resp: 64419

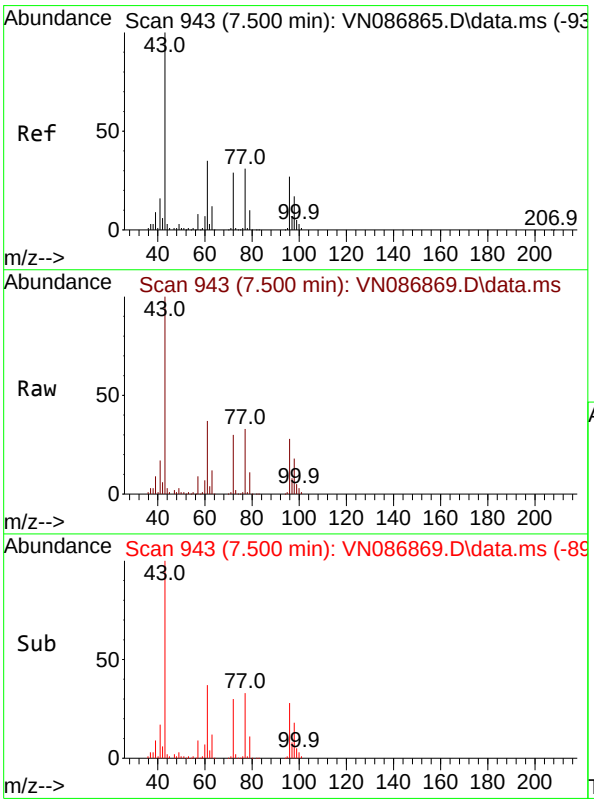
Ion	Ratio	Lower	Upper
43	100		
72	29.5	23.0	34.6

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

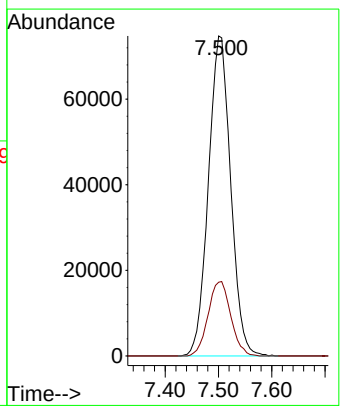


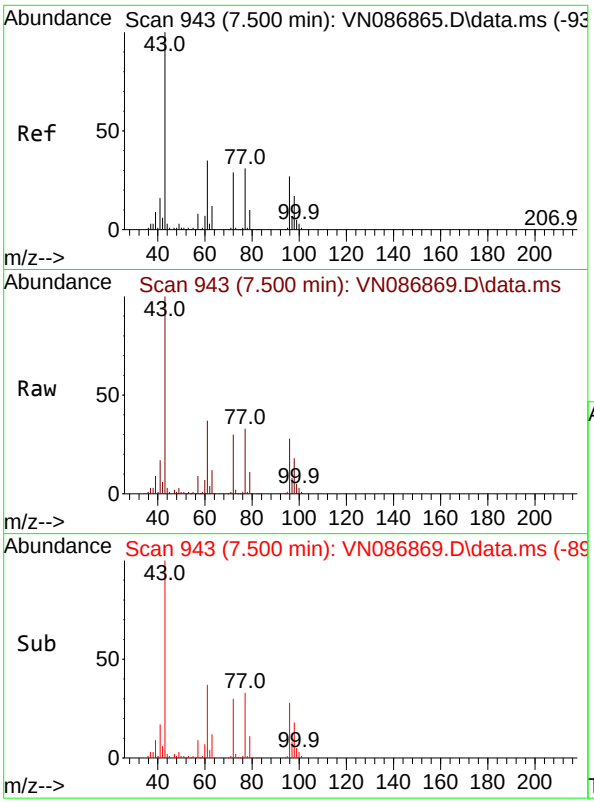


#26
2,2-Dichloropropane
Concen: 57.031 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 77 Resp: 216678

Ion	Ratio	Lower	Upper
77	100		
97	23.7	11.6	34.7

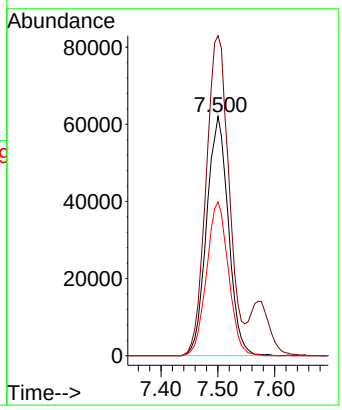




#27
cis-1,2-Dichloroethene
Concen: 51.073 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 96 Resp: 16498

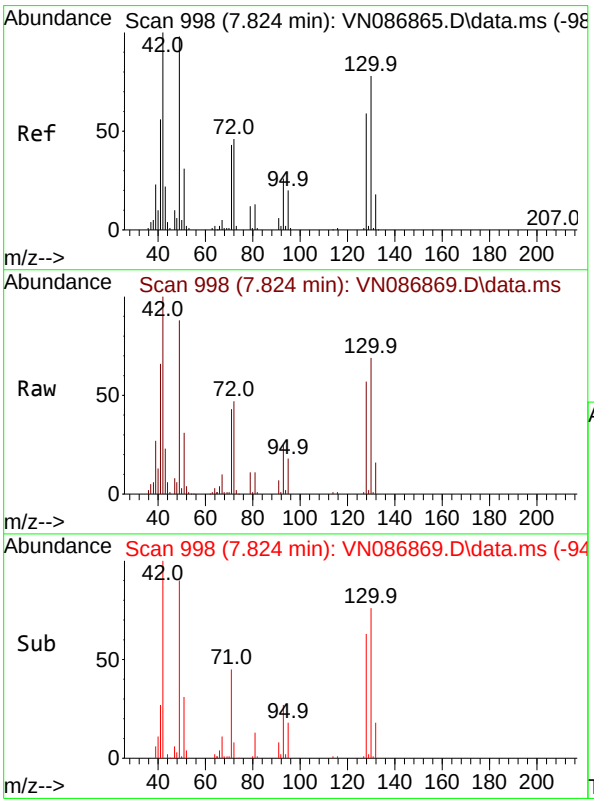
Ion	Ratio	Lower	Upper
96	100		
61	140.3	0.0	278.0
98	64.5	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

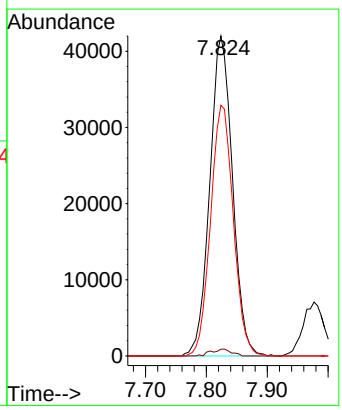
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

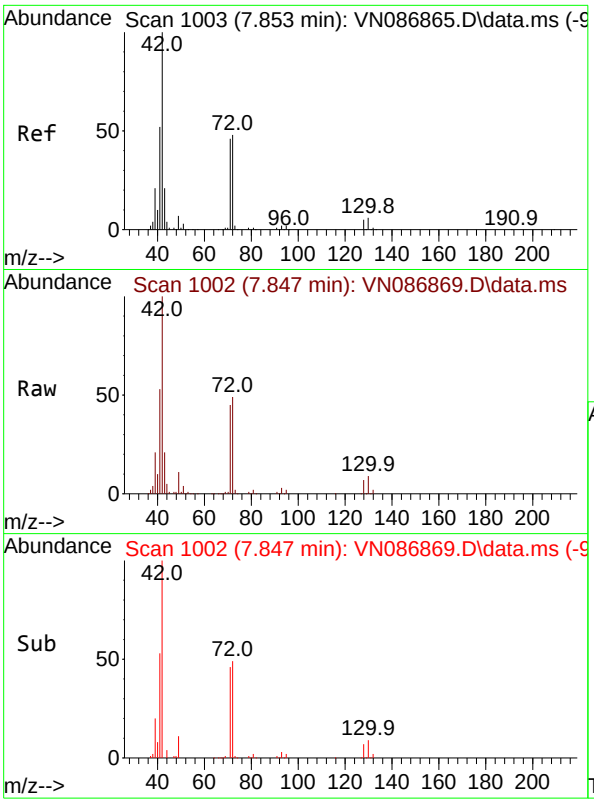


#28
Bromochloromethane
Concen: 45.310 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 49 Resp: 108810

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	78.5	62.2	93.2





#29
Tetrahydrofuran
Concen: 256.656 ug/l
RT: 7.847 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

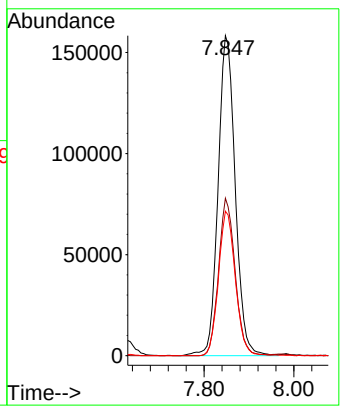
Tgt Ion: 42 Resp: 42089

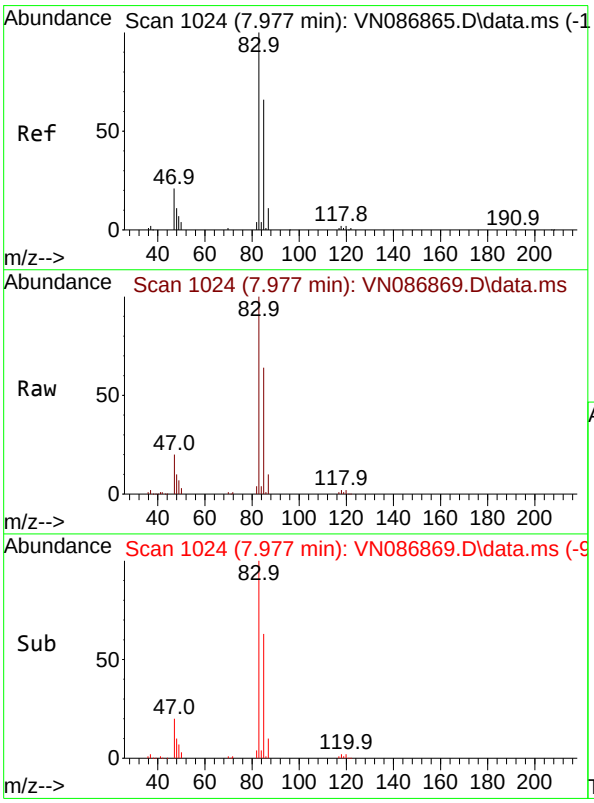
Ion	Ratio	Lower	Upper
42	100		
72	47.5	37.8	56.6
71	44.5	35.6	53.4

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

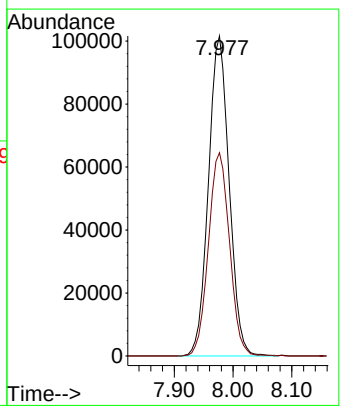


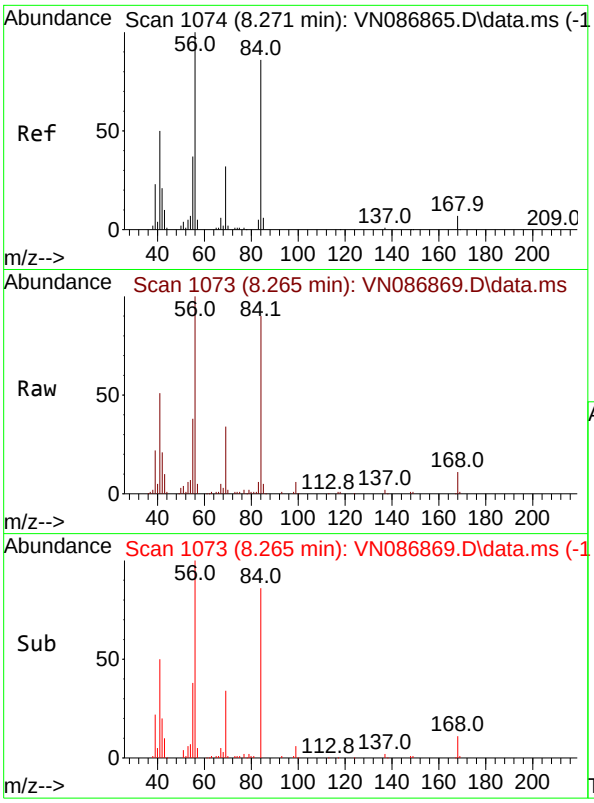


#30
Chloroform
Concen: 50.933 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 83 Resp: 248429

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.9	79.3

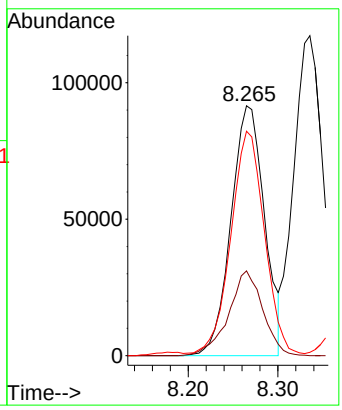




#31
Cyclohexane
Concen: 50.212 ug/l
RT: 8.265 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 56 Resp: 23783

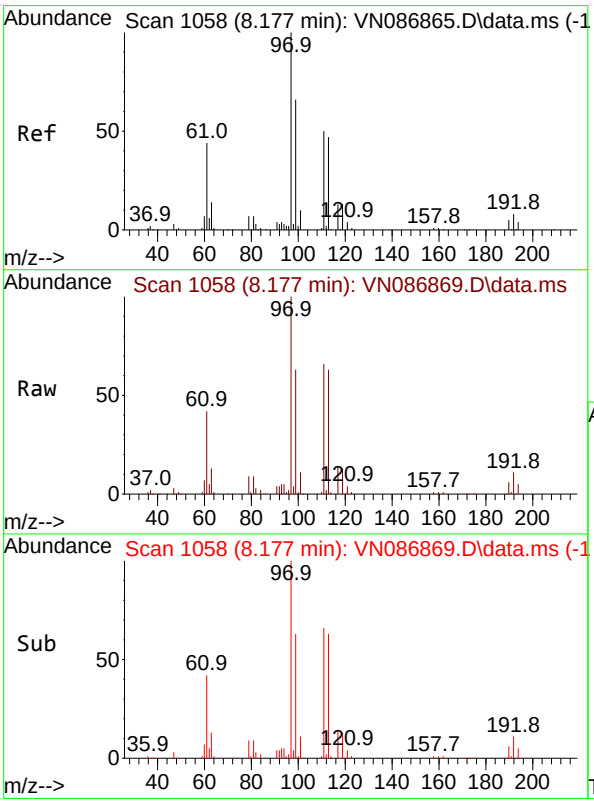
Ion	Ratio	Lower	Upper
56	100		
69	33.9	25.4	38.0
84	88.4	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

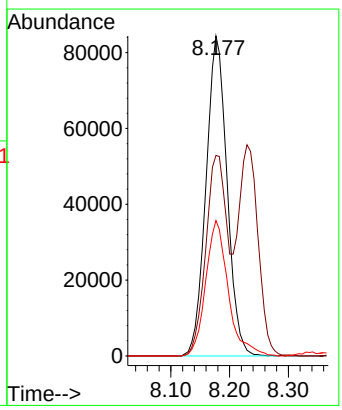
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

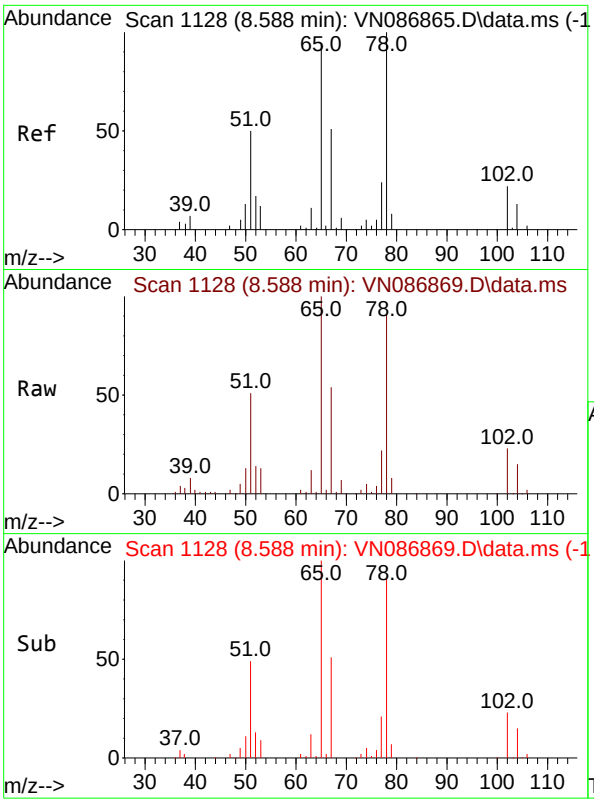


#32
1,1,1-Trichloroethane
Concen: 50.603 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 97 Resp: 209927

Ion	Ratio	Lower	Upper
97	100		
99	61.7	52.0	78.0
61	45.4	35.9	53.9





#33
1,2-Dichloroethane-d4
Concen: 52.135 ug/l
RT: 8.588 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

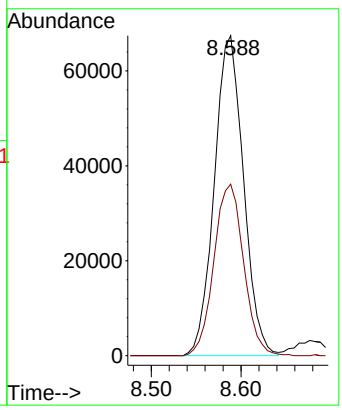
Tgt Ion: 65 Resp: 15225

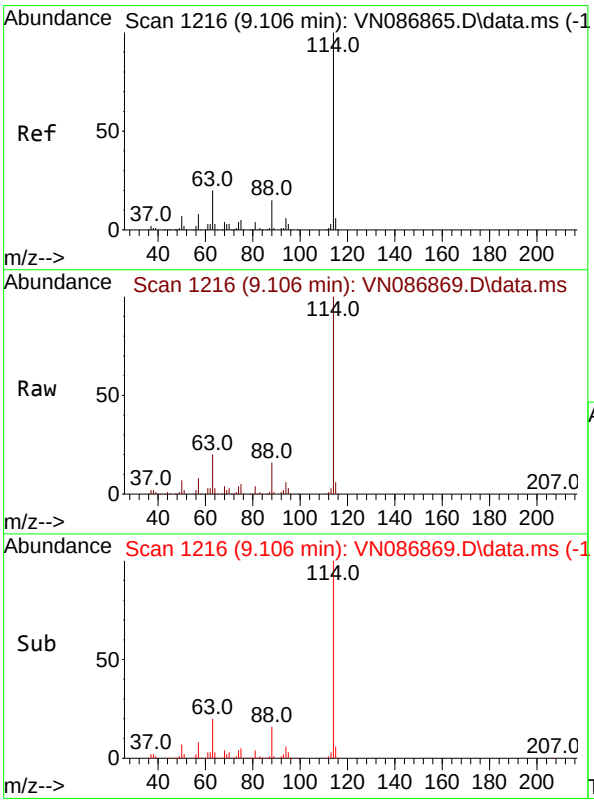
Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	105.6

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

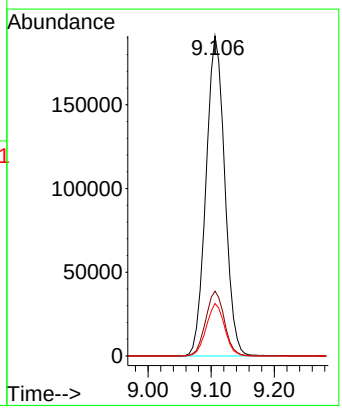


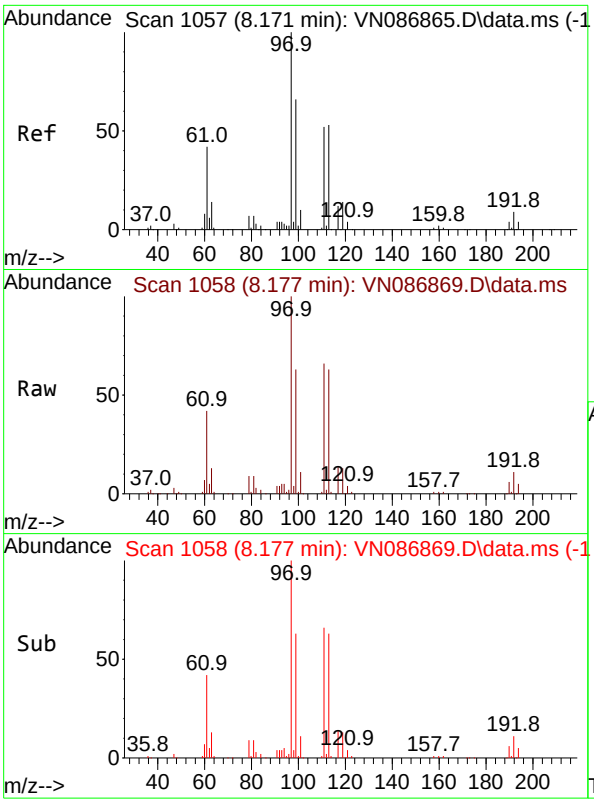


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:114 Resp: 394140

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.6
88	16.4	0.0	30.2

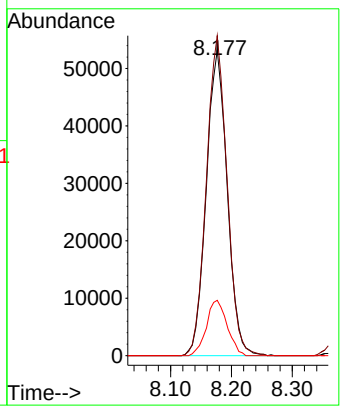




#35
Dibromofluoromethane
Concen: 54.416 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:113 Resp: 12710

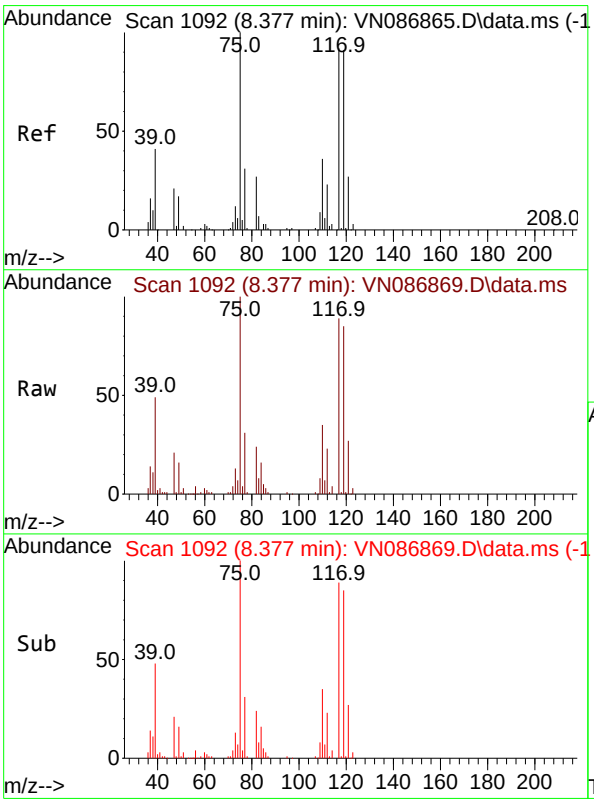
Ion	Ratio	Lower	Upper
113	100		
111	103.4	84.2	126.2
192	18.0	14.2	21.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

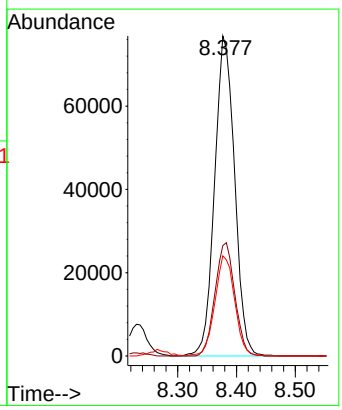
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

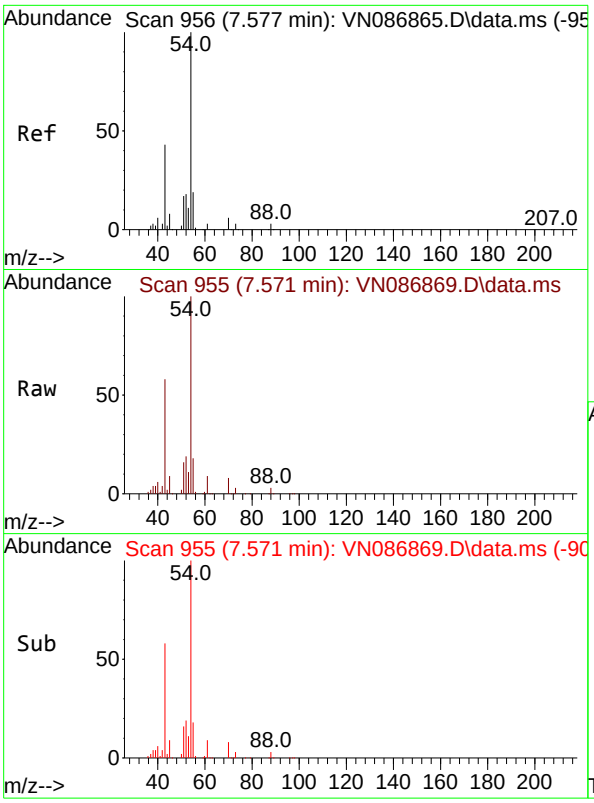


#36
1,1-Dichloropropene
Concen: 52.123 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 75 Resp: 181414

Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.6	52.9
77	31.0	25.3	37.9

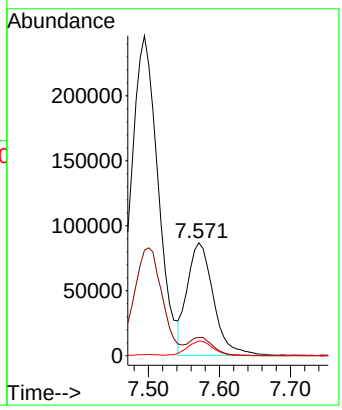




#37
Ethyl Acetate
Concen: 50.125 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 43 Resp: 22209

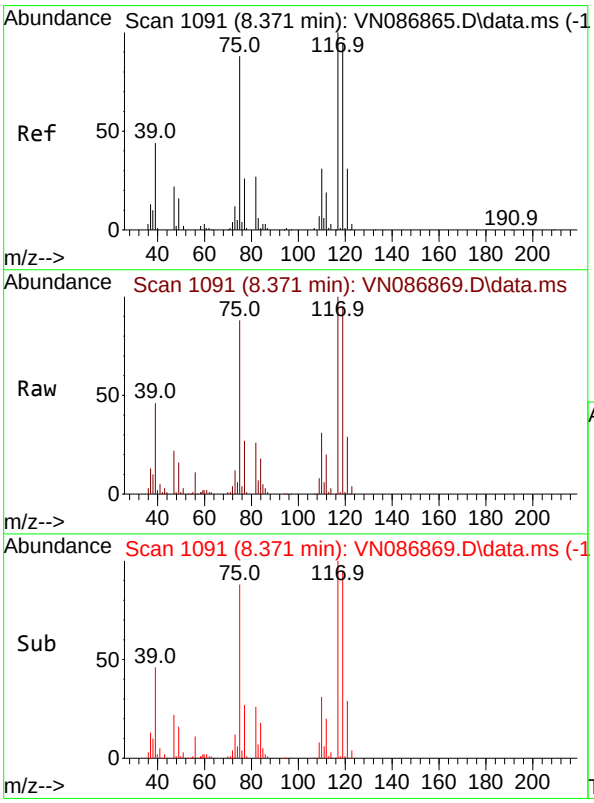
Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.1	18.1
70	12.9	9.8	14.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

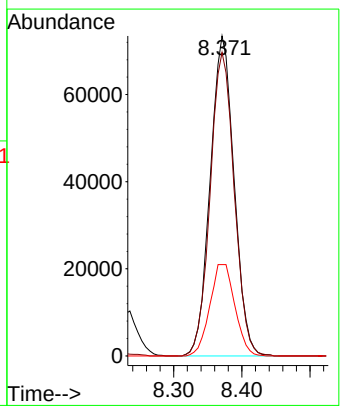
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

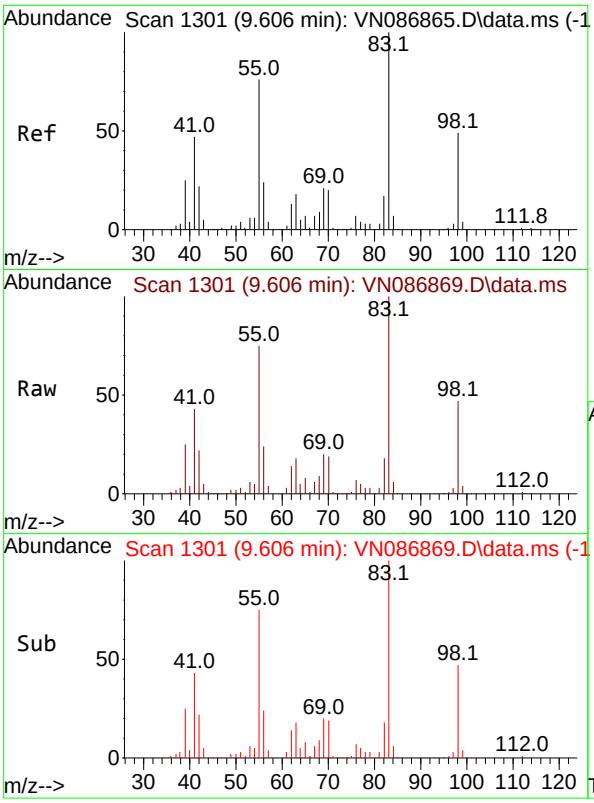


#38
Carbon Tetrachloride
Concen: 52.466 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:117 Resp: 179281

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.0	112.6
121	28.5	24.9	37.3

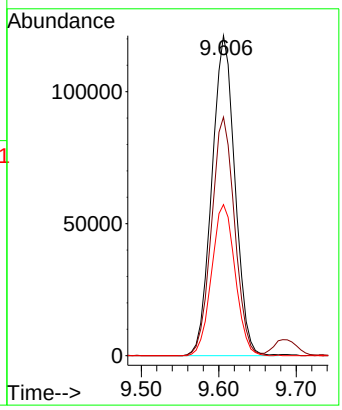




#39
Methylcyclohexane
Concen: 52.686 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 83 Resp: 25123

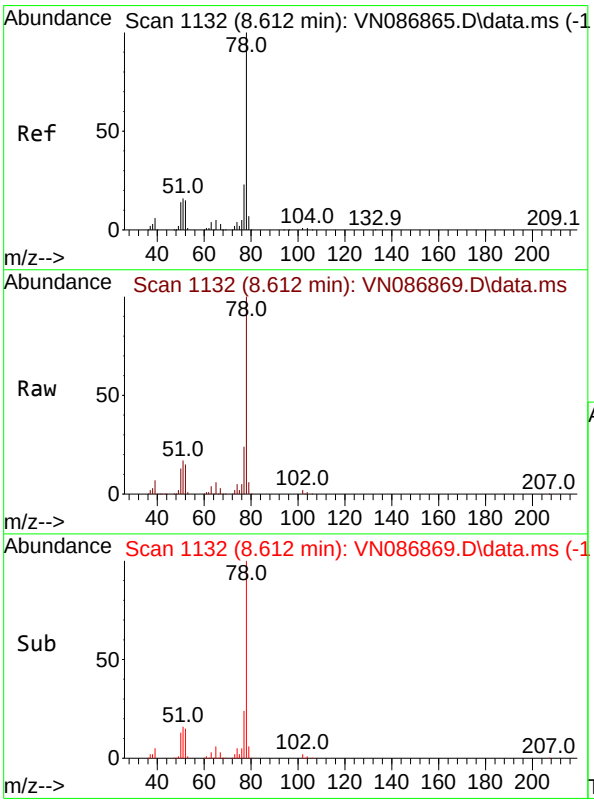
Ion	Ratio	Lower	Upper
83	100		
55	74.5	61.0	91.6
98	47.2	38.9	58.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

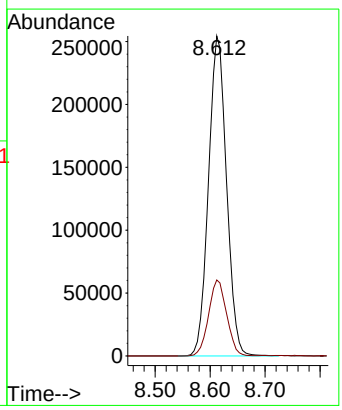
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

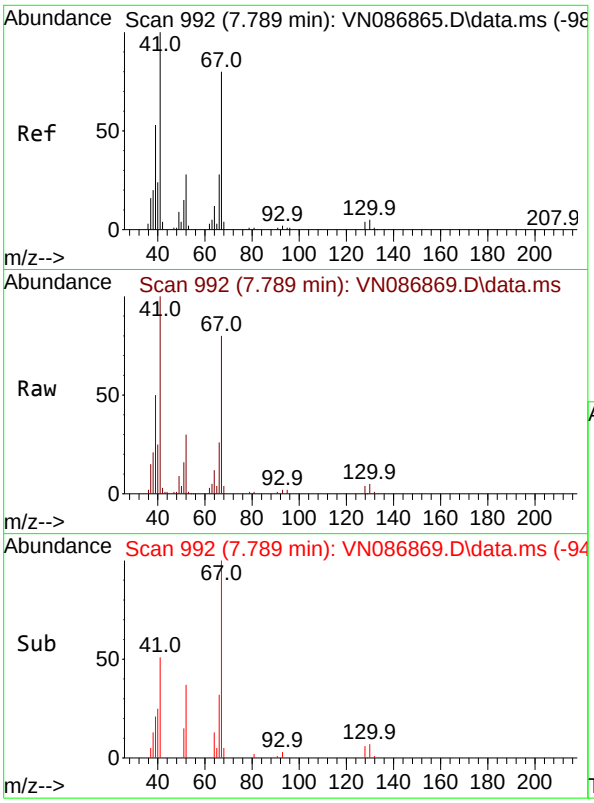


#40
Benzene
Concen: 50.931 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 78 Resp: 579667

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1

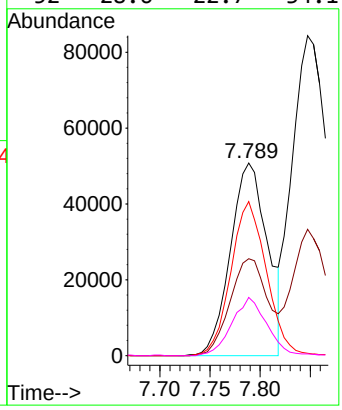




#41
Methacrylonitrile
Concen: 52.607 ug/l
RT: 7.789 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 41 Resp: 13090

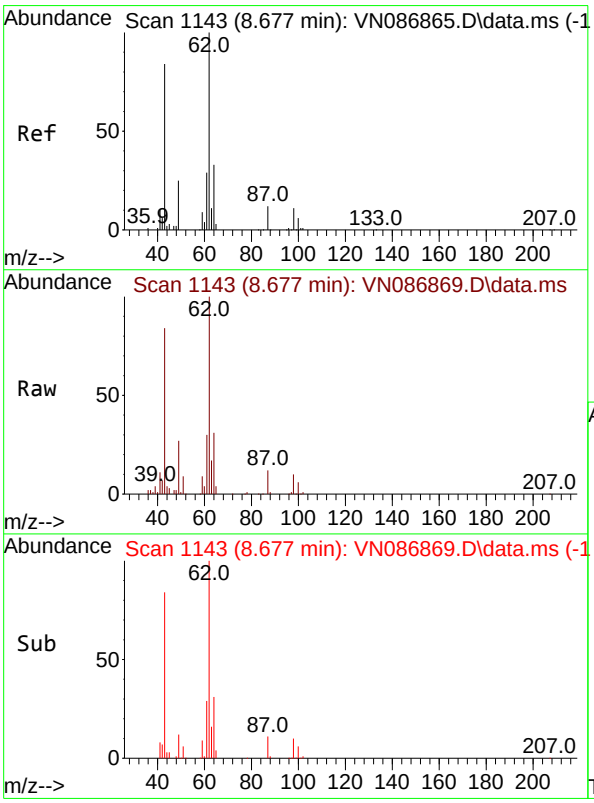
Ion	Ratio	Lower	Upper
41	100		
39	51.3	41.2	61.8
67	76.9	61.4	92.2
52	28.6	22.7	34.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

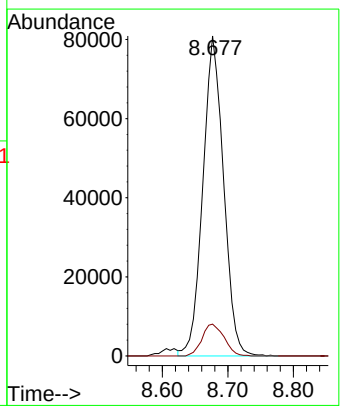
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

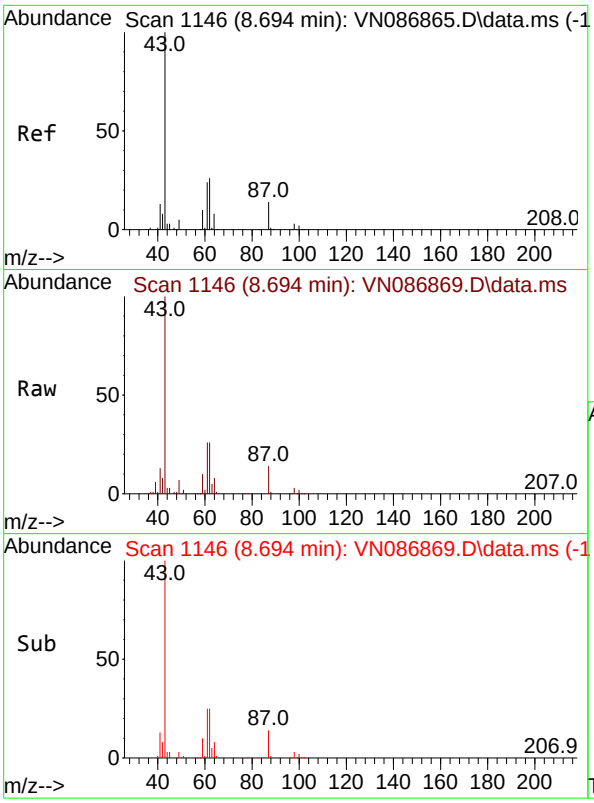


#42
1,2-Dichloroethane
Concen: 51.489 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 62 Resp: 177746

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.2





#43
Isopropyl Acetate
Concen: 50.536 ug/l
RT: 8.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

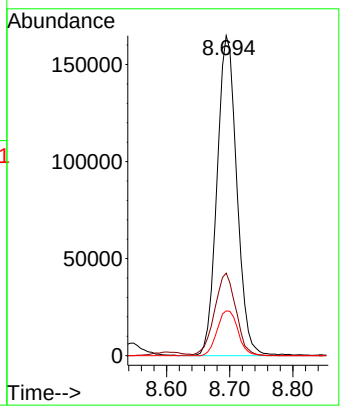
Tgt Ion: 43 Resp: 35937

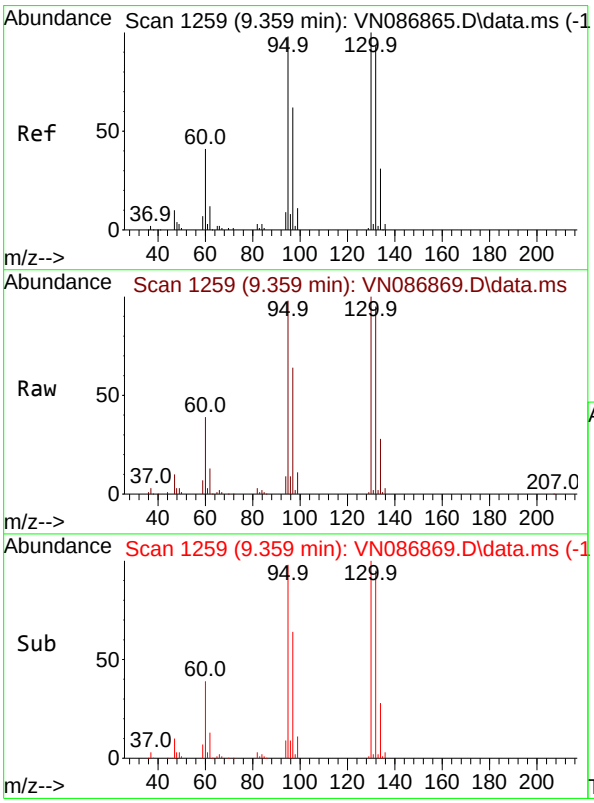
Ion	Ratio	Lower	Upper
43	100		
61	27.9	22.1	33.1
87	14.8	11.8	17.6

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

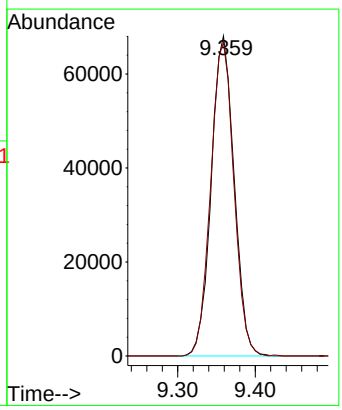


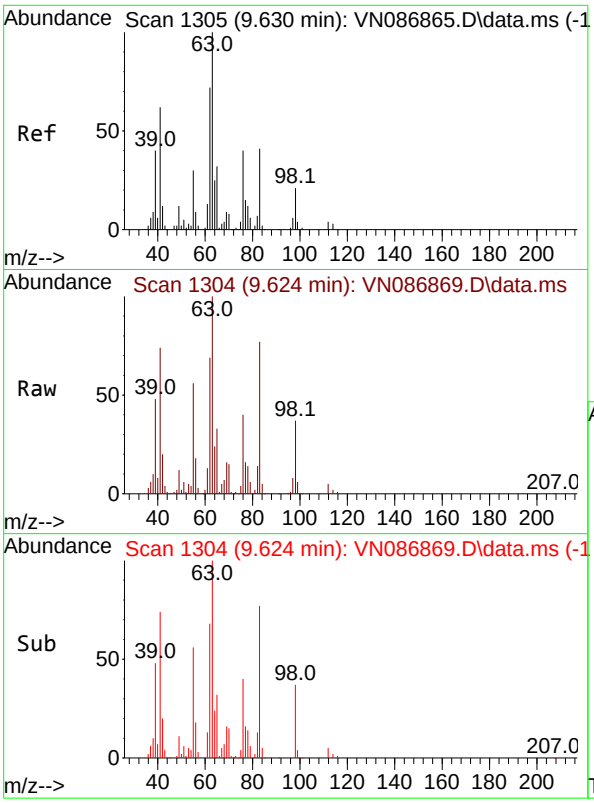


#44
Trichloroethene
Concen: 51.788 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:130 Resp: 139763

Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	196.2





#45
1,2-Dichloropropane
Concen: 51.450 ug/l
RT: 9.624 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

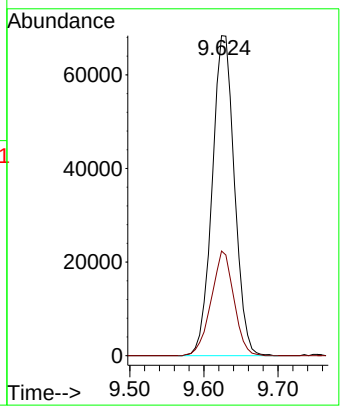
Tgt Ion: 63 Resp: 14246

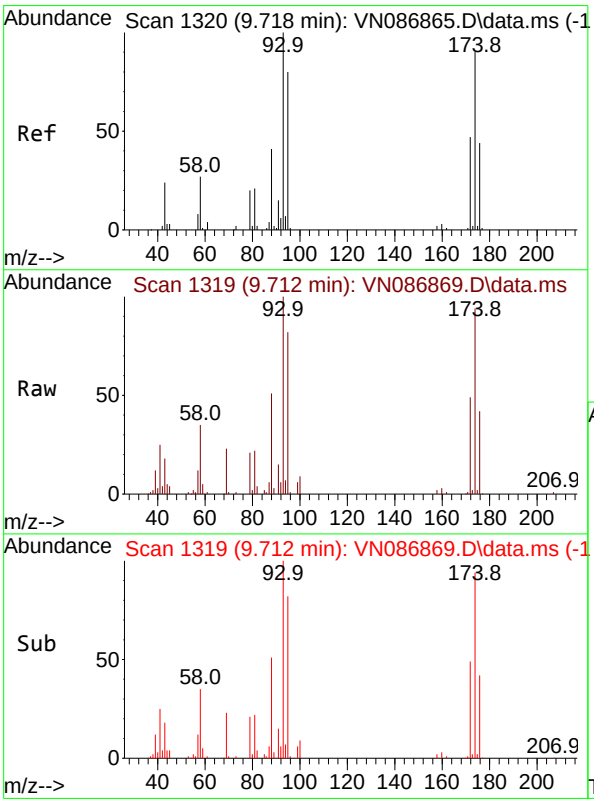
Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.5	38.3

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

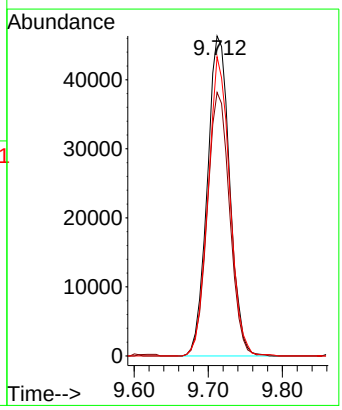


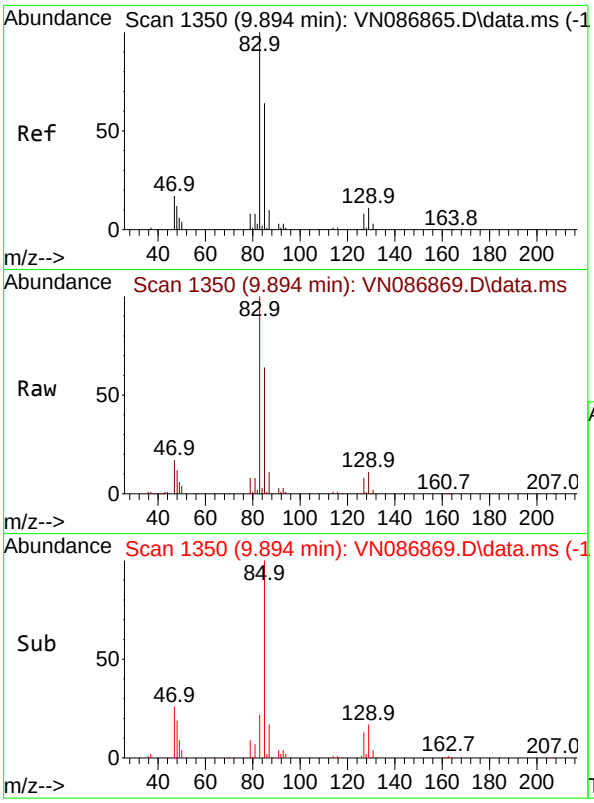


#46
Dibromomethane
Concen: 52.849 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 93 Resp: 97199

Ion	Ratio	Lower	Upper
93	100		
95	82.2	67.1	100.7
174	90.9	74.2	111.4

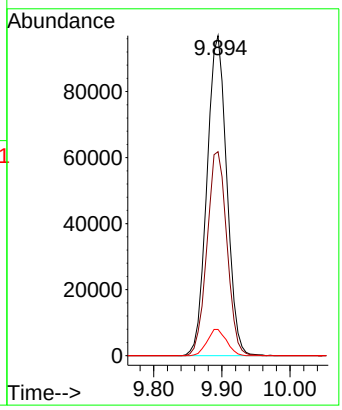




#47
Bromodichloromethane
Concen: 51.824 ug/l
RT: 9.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 83 Resp: 19610

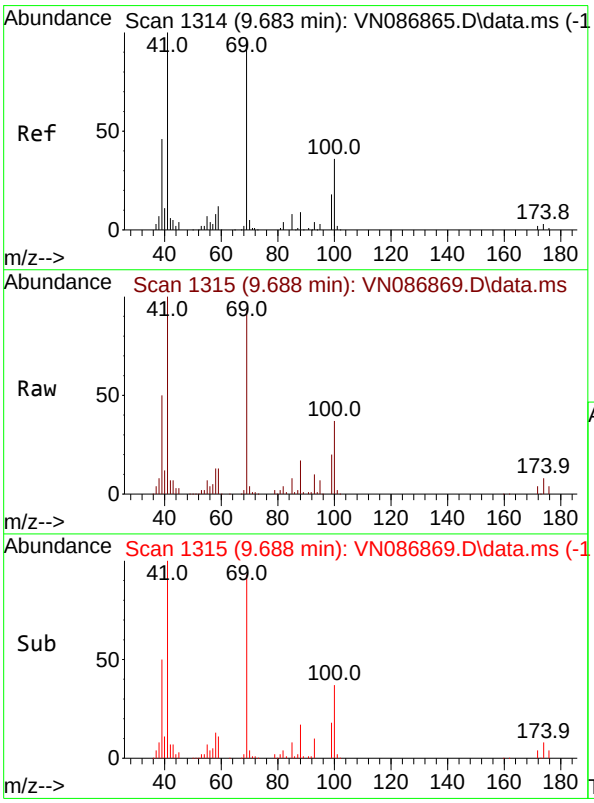
Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.9	76.3
127	8.2	6.6	10.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

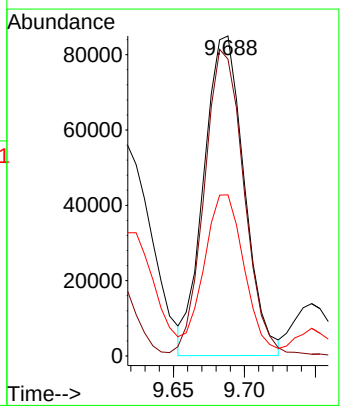
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

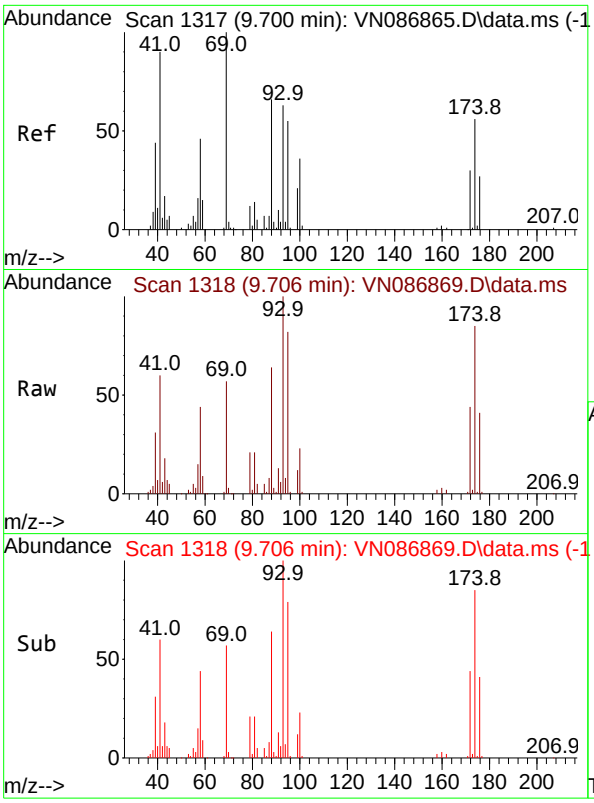


#48
Methyl methacrylate
Concen: 51.328 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 41 Resp: 168001

Ion	Ratio	Lower	Upper
41	100		
69	95.2	74.6	112.0
39	51.0	40.2	60.4





#49
1,4-Dioxane
Concen: 1110.123 ug/l
RT: 9.706 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

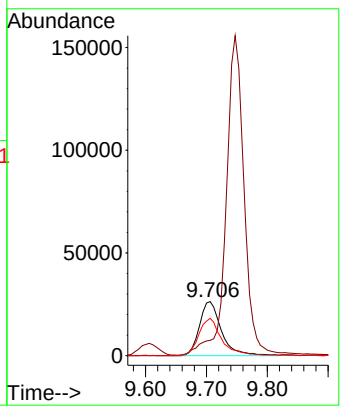
Tgt Ion: 88 Resp: 6610

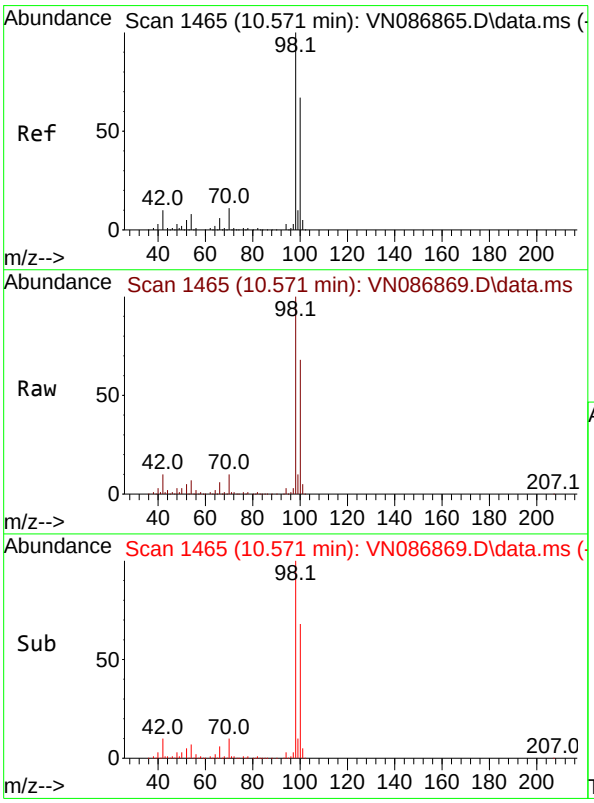
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	72.7	57.7	86.5

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

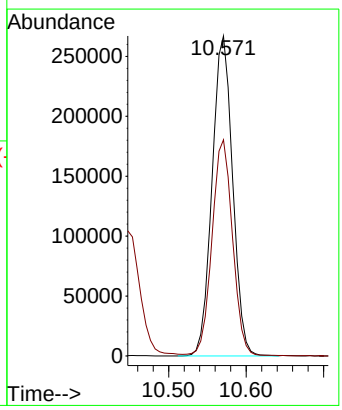


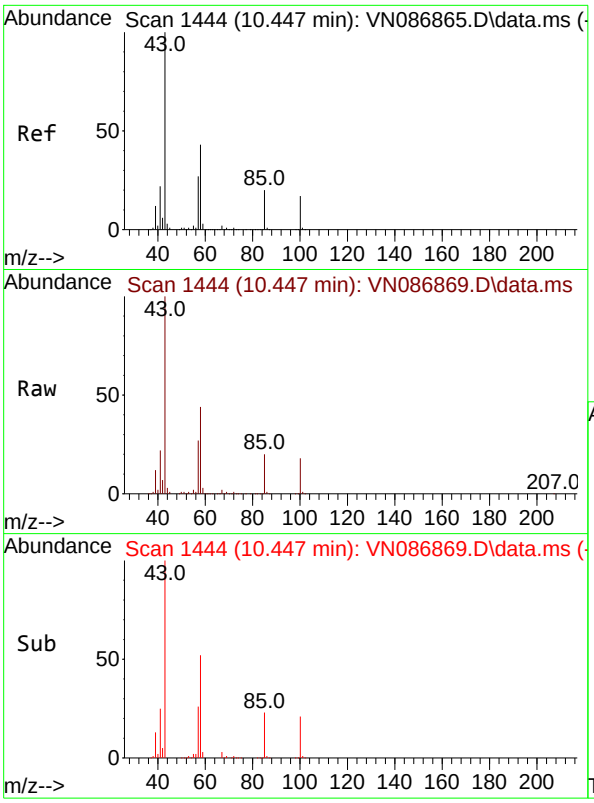


#50
Toluene-d8
Concen: 53.129 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 98 Resp: 491265

Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.4	80.0

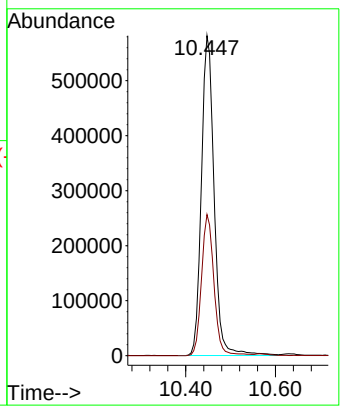




#51
4-Methyl-2-Pentanone
Concen: 267.835 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 43 Resp: 114662

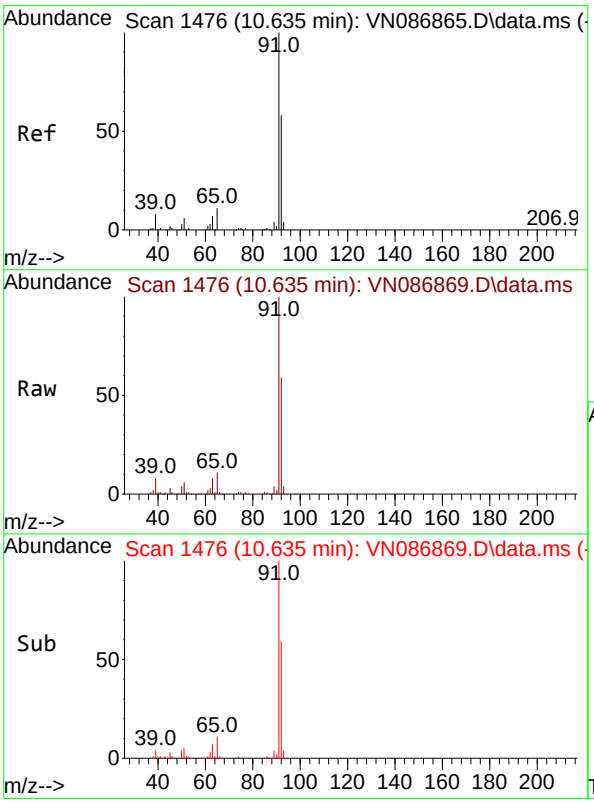
Ion	Ratio	Lower	Upper
43	100		
58	43.2	34.2	51.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

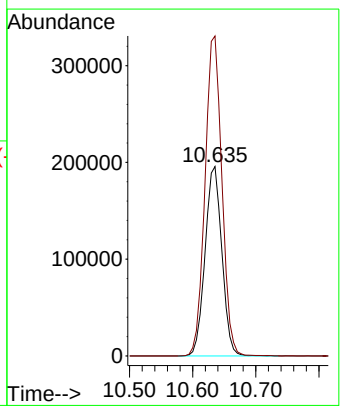
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

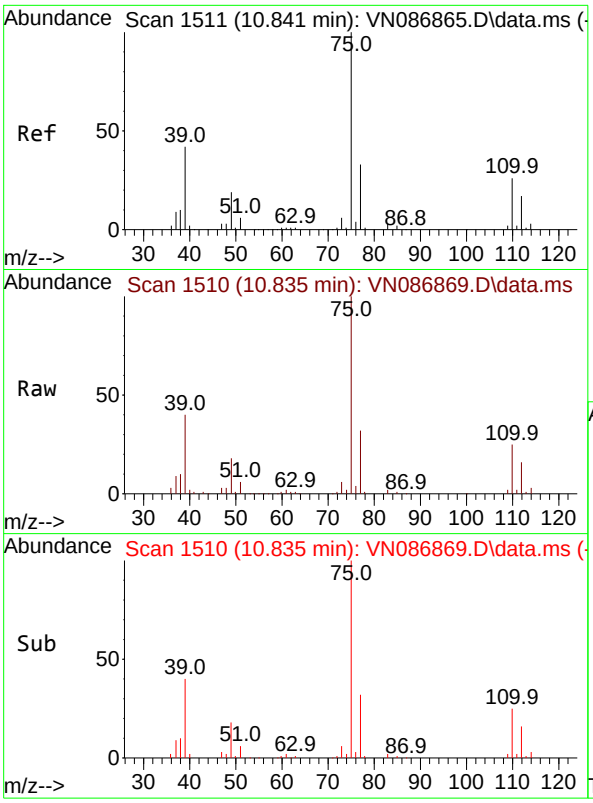


#52
Toluene
Concen: 52.040 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 92 Resp: 361963

Ion	Ratio	Lower	Upper
92	100		
91	169.8	136.5	204.7

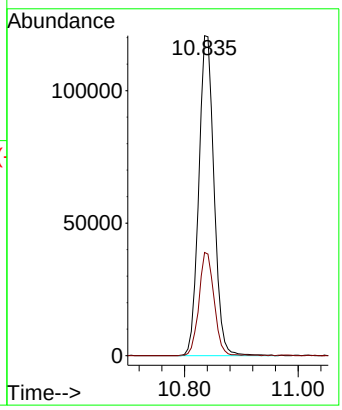




#53
t-1,3-Dichloropropene
Concen: 53.137 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 75 Resp: 22483

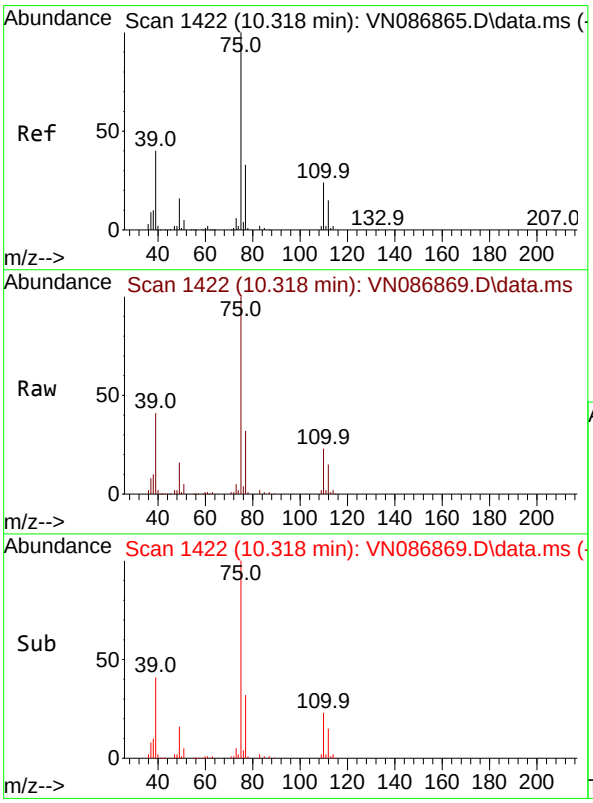
Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.4	39.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

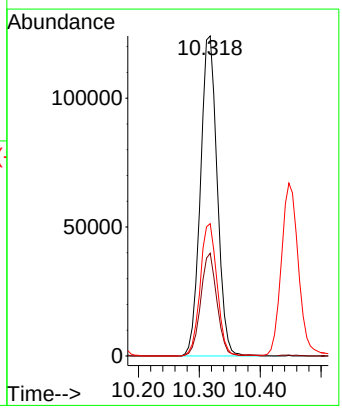
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

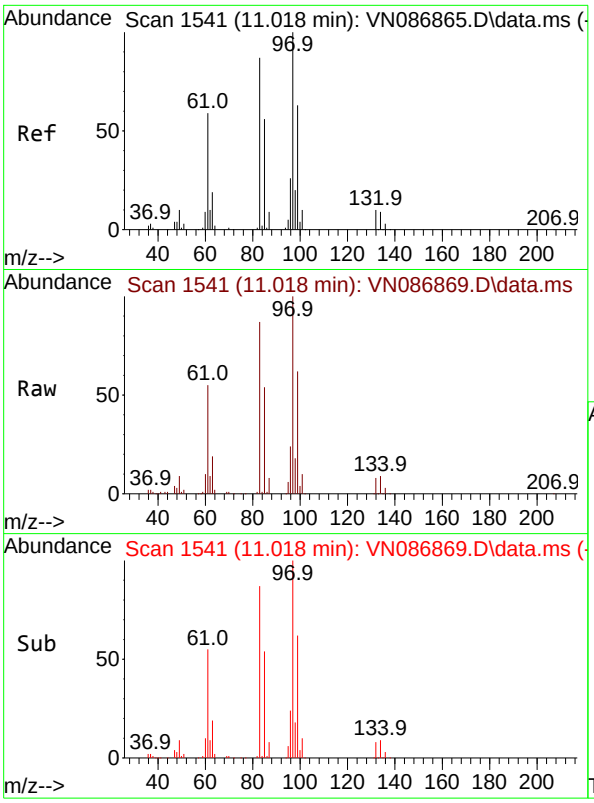


#54
cis-1,3-Dichloropropene
Concen: 52.519 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 75 Resp: 237774

Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.2	39.4
39	41.3	32.3	48.5

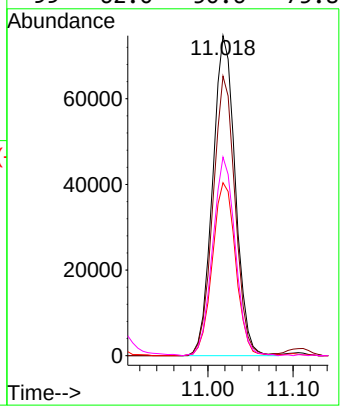




#55
1,1,2-Trichloroethane
Concen: 51.562 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 97 Resp: 13799

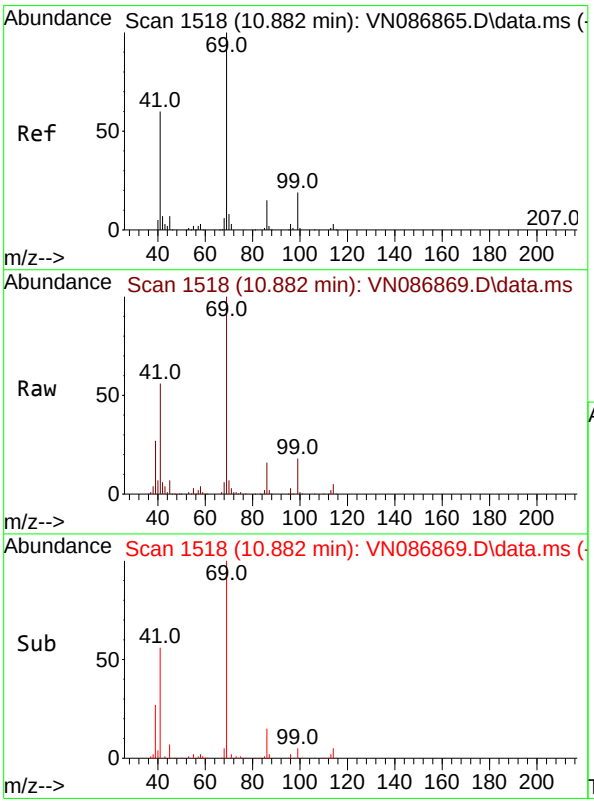
Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.7	104.5
85	54.1	45.1	67.7
99	62.0	50.6	75.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

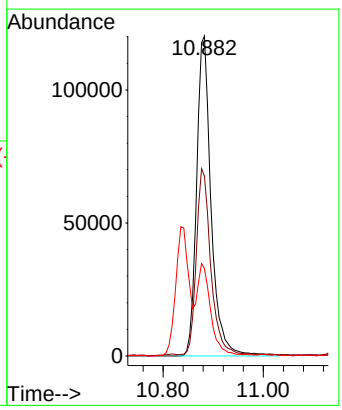
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

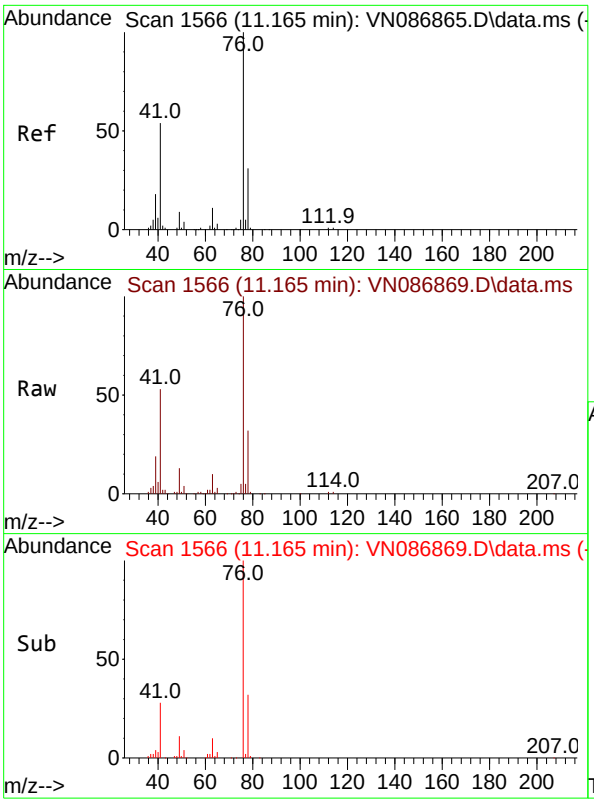


#56
Ethyl methacrylate
Concen: 56.688 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 69 Resp: 241649

Ion	Ratio	Lower	Upper
69	100		
41	57.7	47.2	70.8
39	27.4	23.0	34.6





#57
1,3-Dichloropropane
Concen: 51.386 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

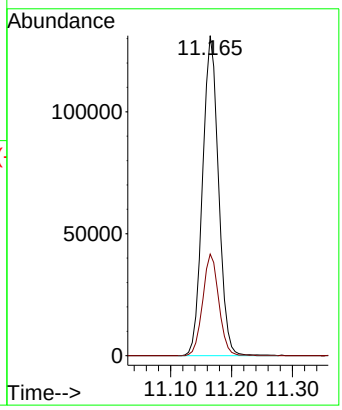
Tgt Ion: 76 Resp: 23857

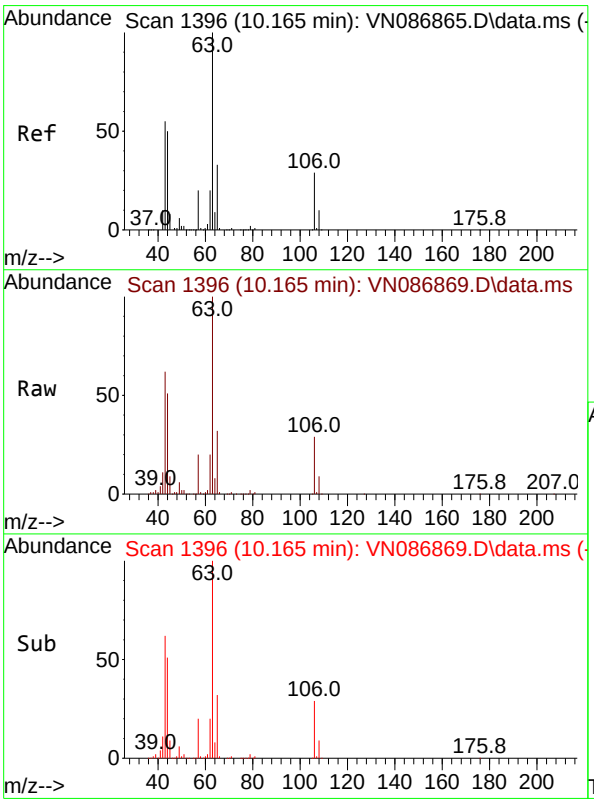
Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.3	37.9

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

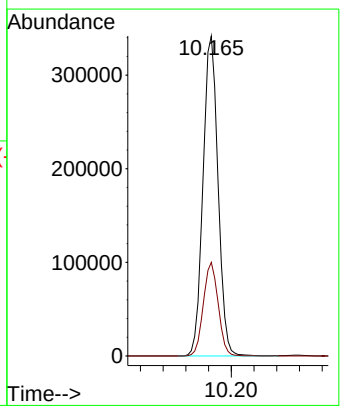


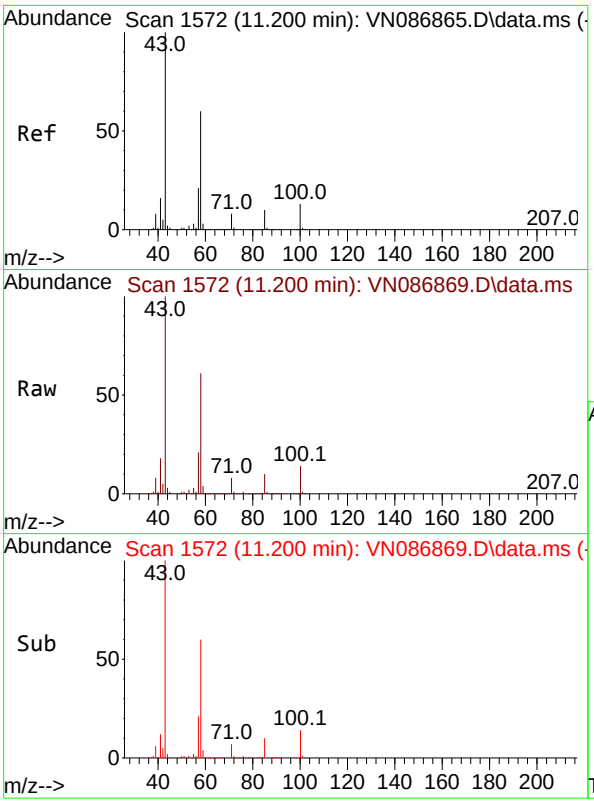


#58
2-Chloroethyl Vinyl ether
Concen: 246.006 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 63 Resp: 625479

Ion	Ratio	Lower	Upper
63	100		
106	28.9	23.0	34.6





#59
2-Hexanone
Concen: 283.478 ug/l
RT: 11.200 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

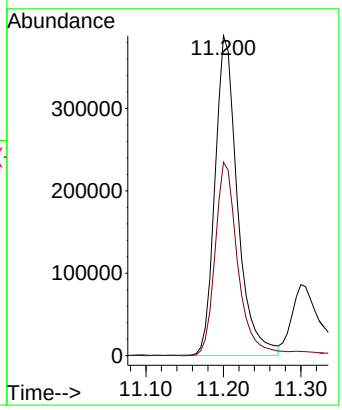
Tgt Ion: 43 Resp: 78171

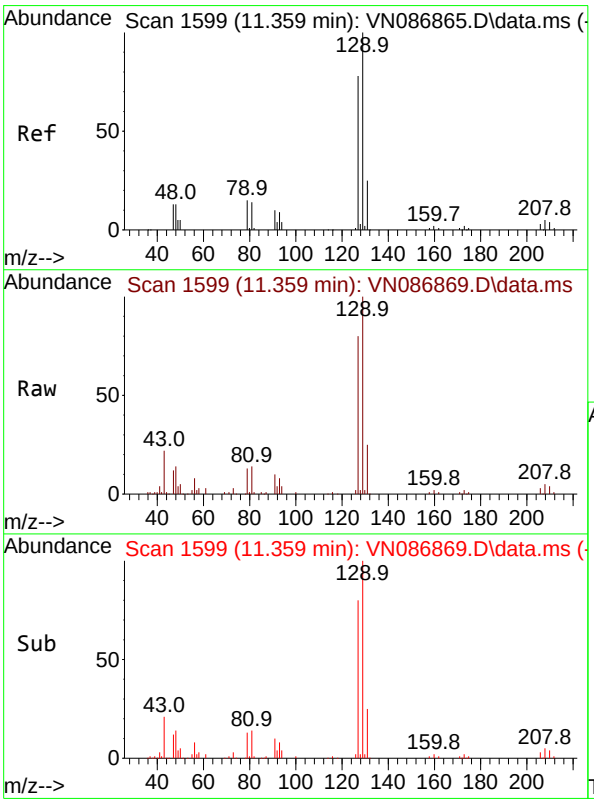
Ion	Ratio	Lower	Upper
43	100		
58	61.2	30.4	91.3

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

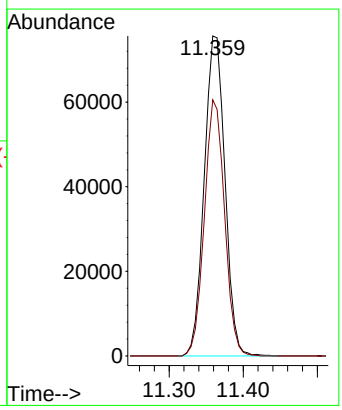


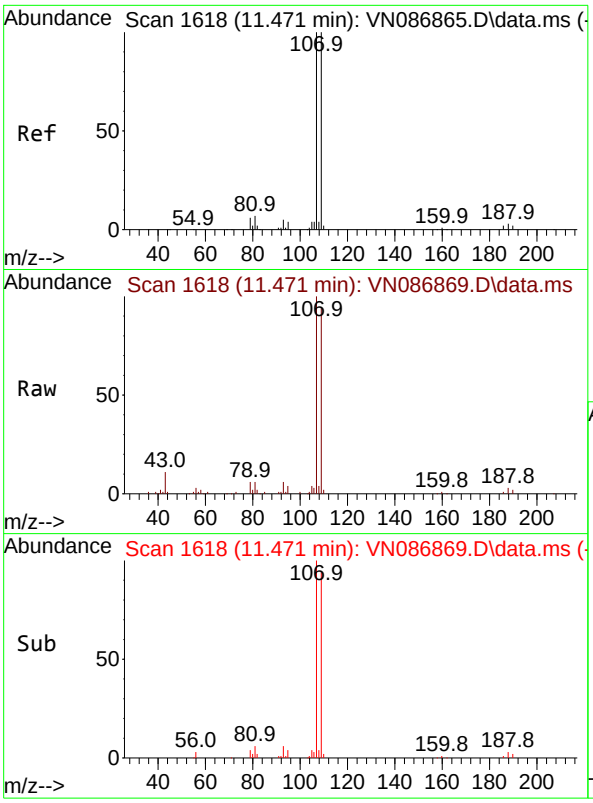


#60
Dibromochloromethane
Concen: 52.627 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:129 Resp: 146749

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.6	115.8





#61
1,2-Dibromoethane
Concen: 51.887 ug/l
RT: 11.471 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

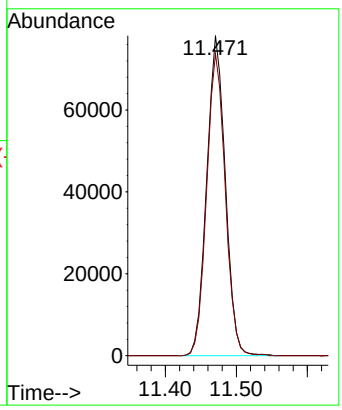
Tgt Ion:107 Resp: 14233

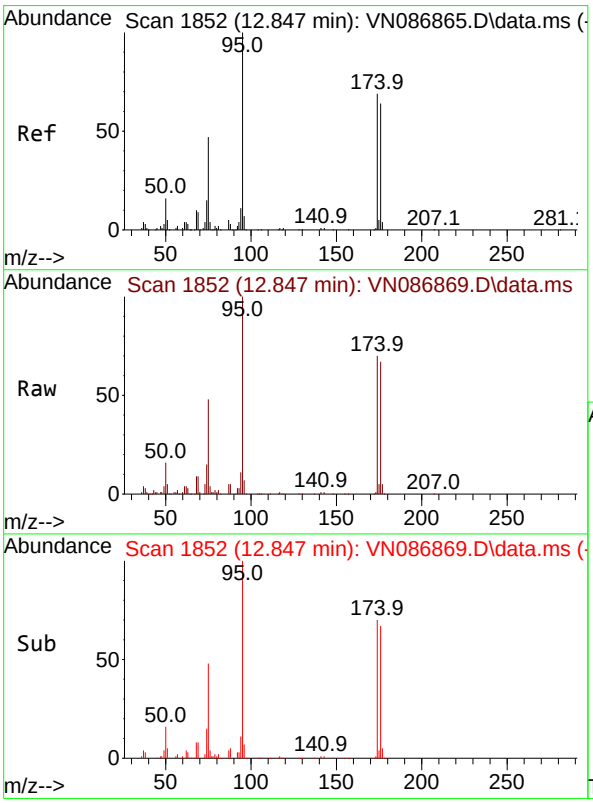
Ion	Ratio	Lower	Upper
107	100		
109	94.5	76.3	114.5

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

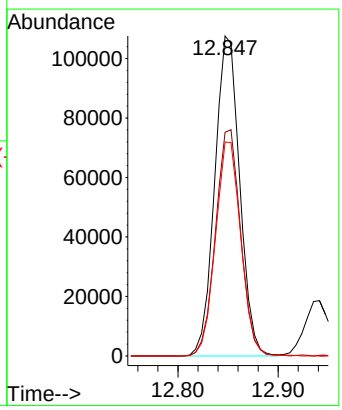


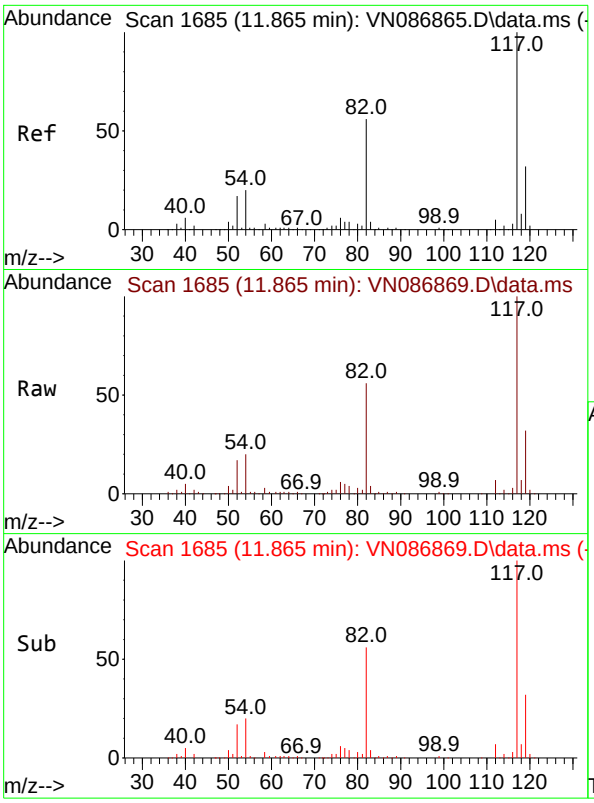


#62
4-Bromofluorobenzene
Concen: 54.081 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 95 Resp: 185792

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	141.8
176	68.1	0.0	132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

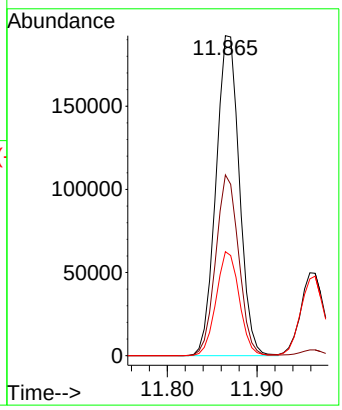
Tgt Ion:117 Resp: 34893

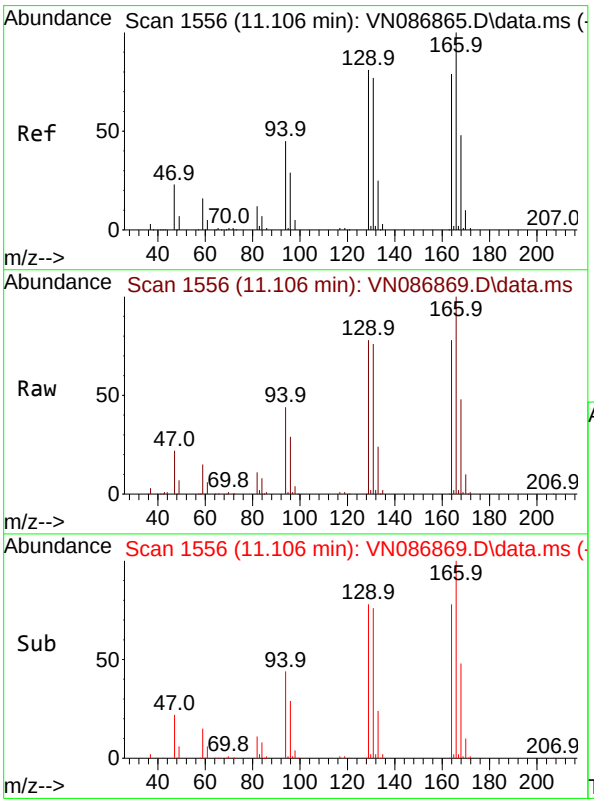
Ion	Ratio	Lower	Upper
117	100		
82	56.5	44.6	67.0
119	32.5	25.5	38.3

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

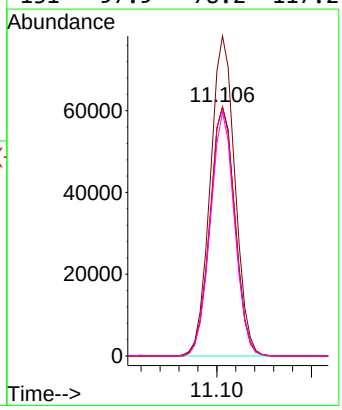


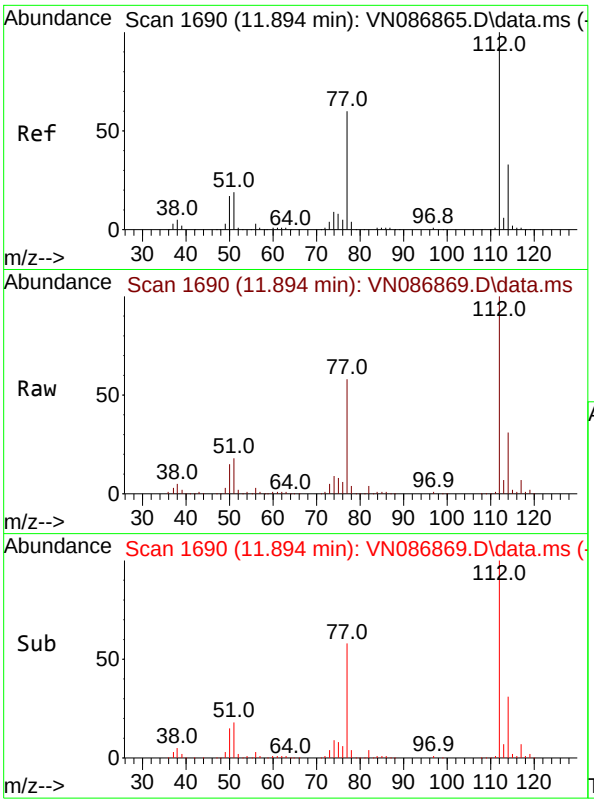


#64
Tetrachloroethene
Concen: 50.450 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:164 Resp: 111409

Ion	Ratio	Lower	Upper
164	100		
166	128.5	101.8	152.8
129	99.9	83.0	124.4
131	97.9	78.2	117.2

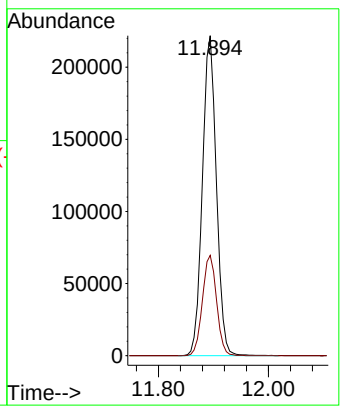




#65
Chlorobenzene
Concen: 50.892 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:112 Resp: 39166

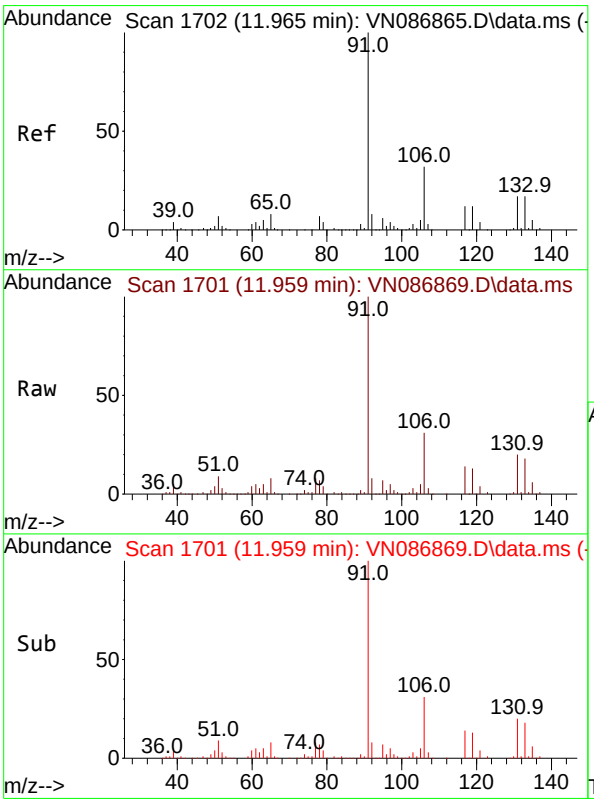
Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.2	39.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

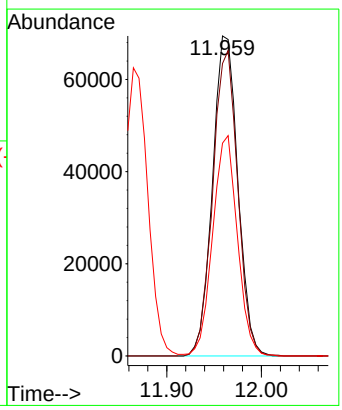
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

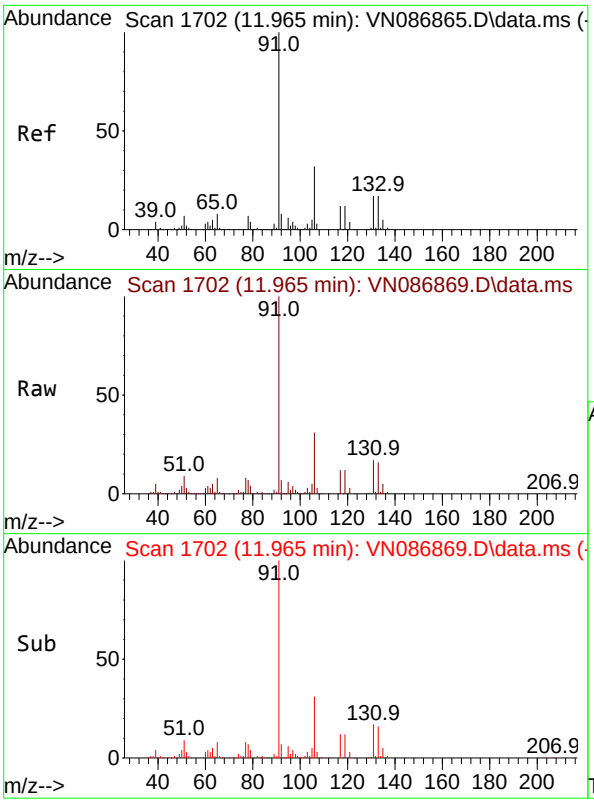


#66
1,1,1,2-Tetrachloroethane
Concen: 52.164 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:131 Resp: 129045

Ion	Ratio	Lower	Upper
131	100		
133	94.5	48.3	144.8
119	67.4	34.0	101.8





#67
Ethyl Benzene
Concen: 51.590 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

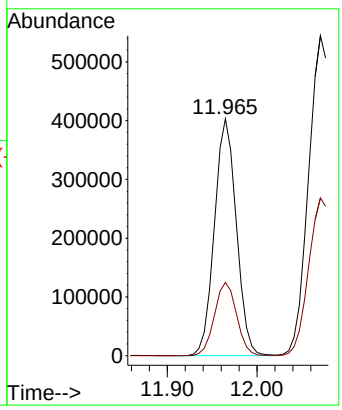
Tgt Ion: 91 Resp: 68387

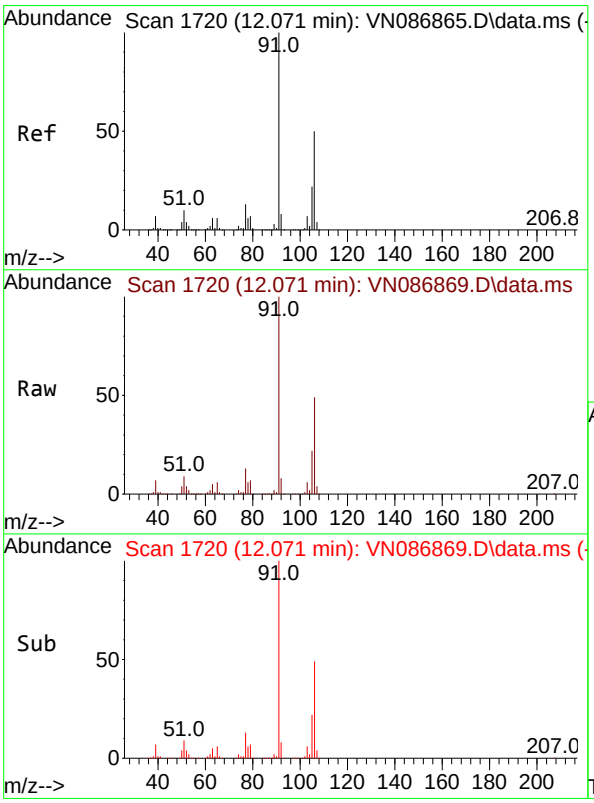
Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.4	38.2

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

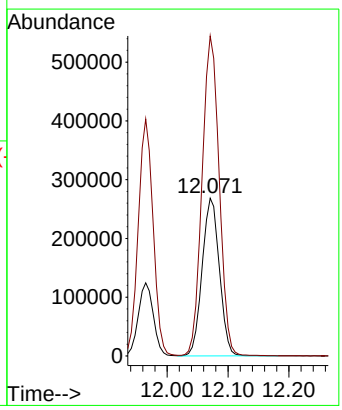


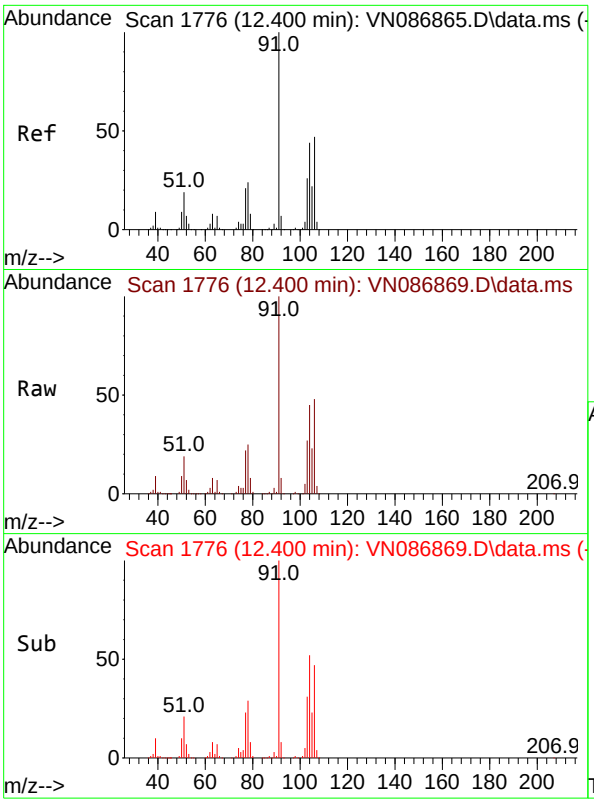


#68
m/p-Xylenes
Concen: 103.912 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:106 Resp: 527293

Ion	Ratio	Lower	Upper
106	100		
91	202.0	159.4	239.0





#69
o-Xylene
Concen: 52.387 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

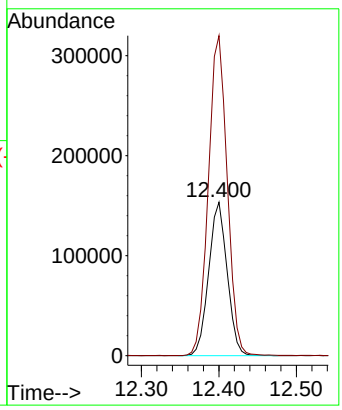
Tgt Ion:106 Resp: 25460

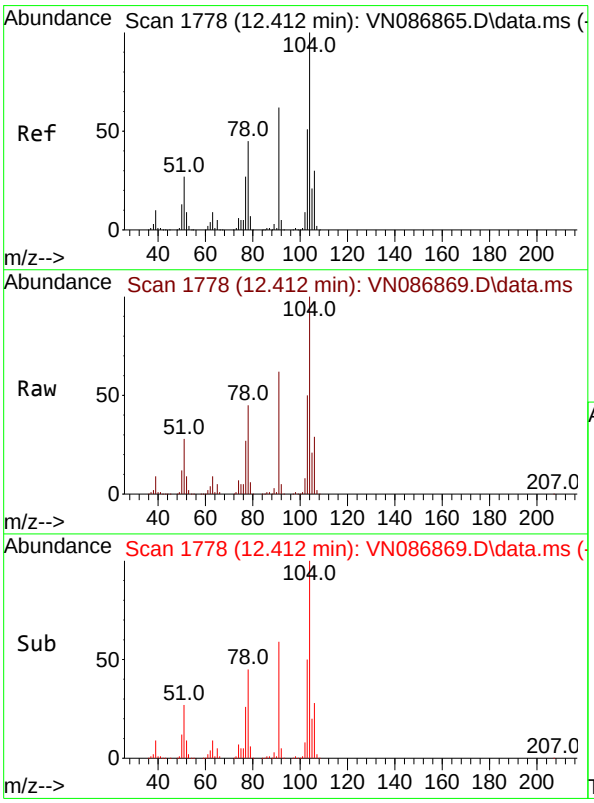
Ion	Ratio	Lower	Upper
106	100		
91	212.8	106.1	318.1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

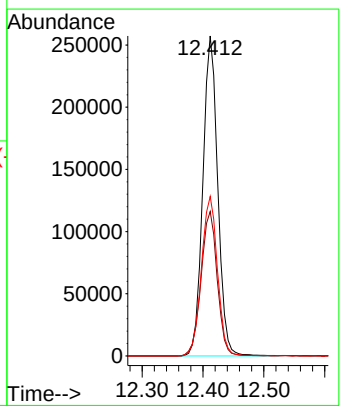


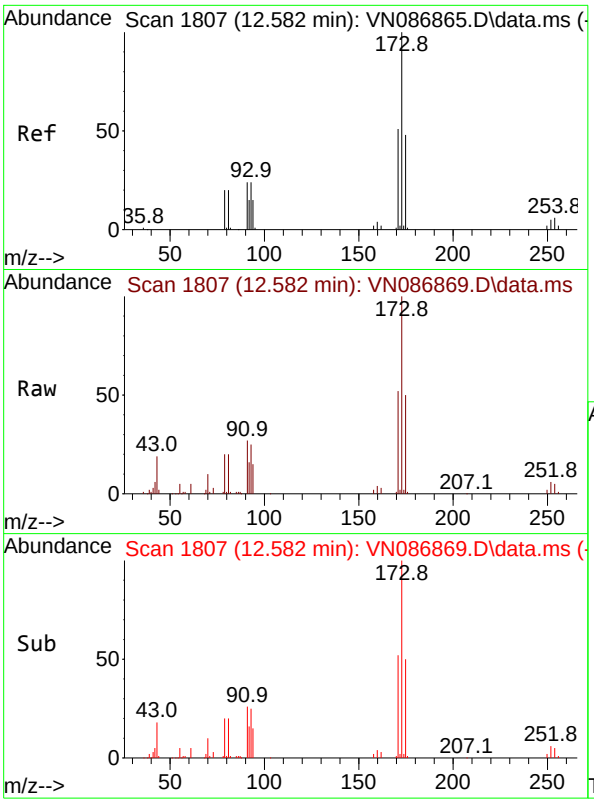


#70
Styrene
Concen: 52.758 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:104 Resp: 438751

Ion	Ratio	Lower	Upper
104	100		
78	48.7	38.5	57.7
103	53.7	43.1	64.7

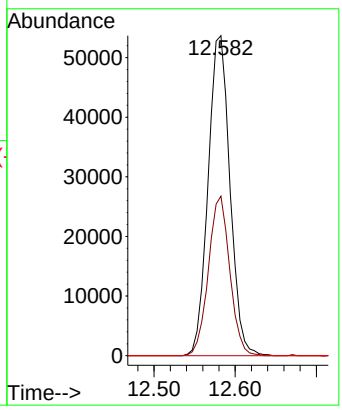




#71
Bromoform
Concen: 54.751 ug/l
RT: 12.582 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:173 Resp: 10035

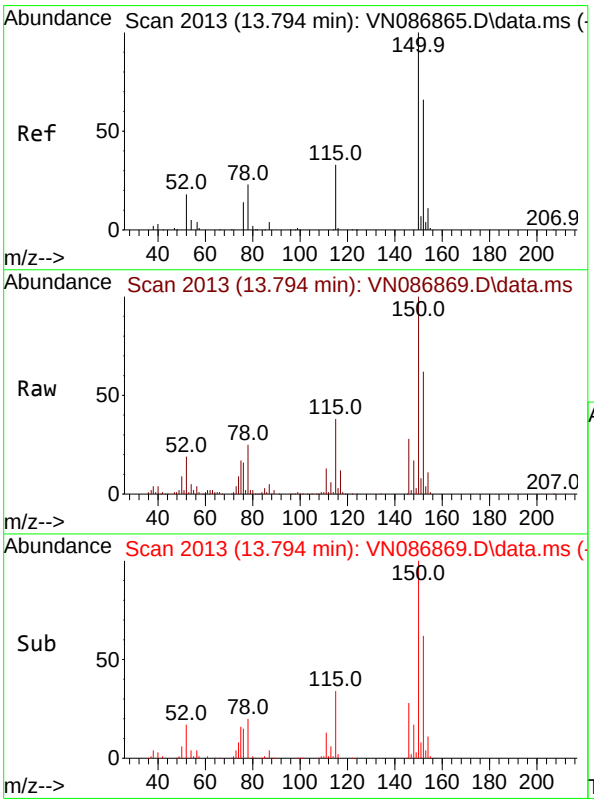
Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

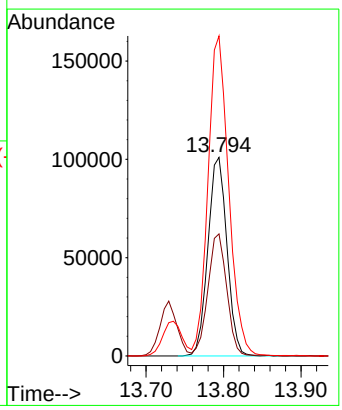
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

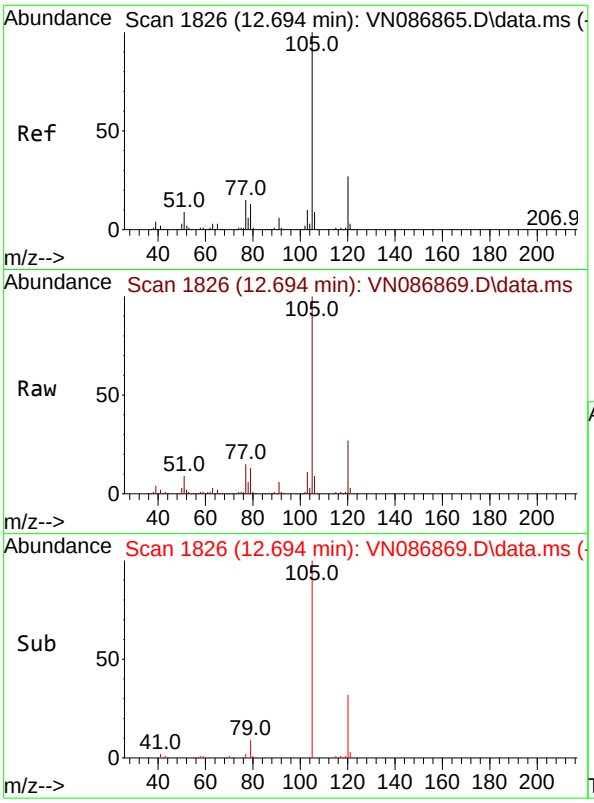


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:152 Resp: 172710

Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.1	90.5
150	174.0	0.0	345.0





#73
Isopropylbenzene
Concen: 51.823 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

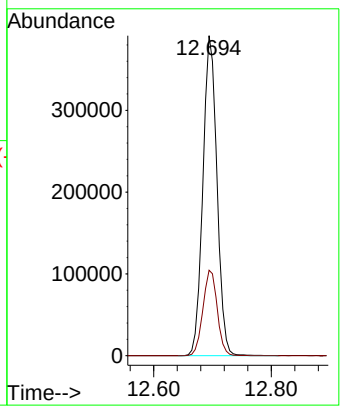
Tgt Ion:105 Resp: 65204

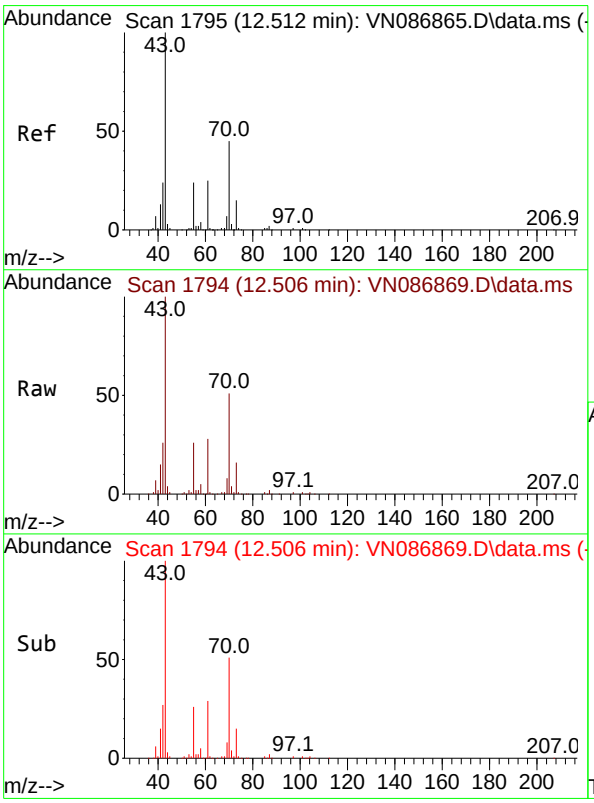
Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.5	40.4

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

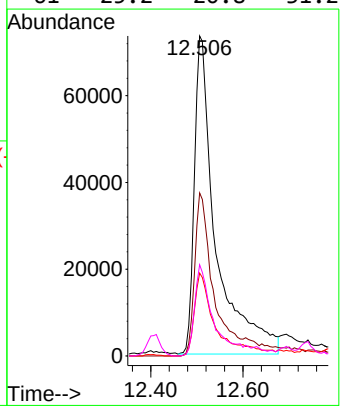


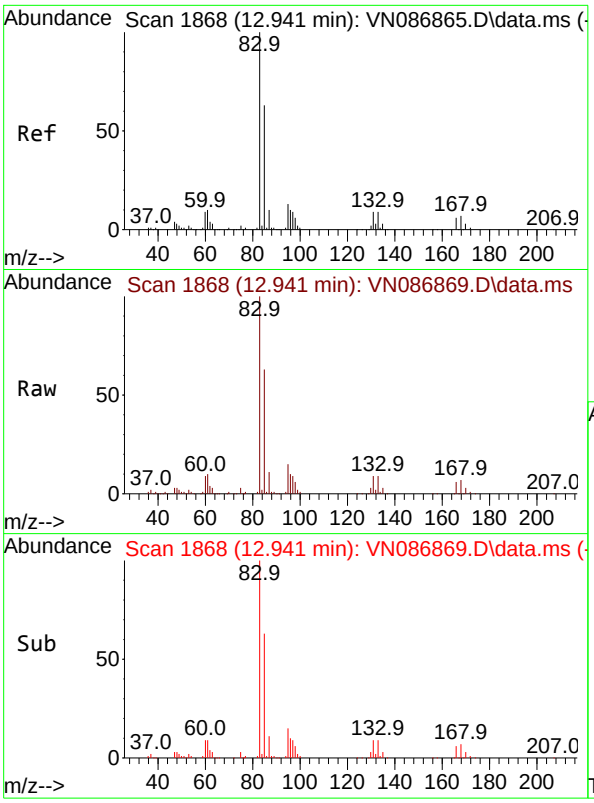


#74
N-amyl acetate
Concen: 54.212 ug/l
RT: 12.506 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 43 Resp: 238355

Ion	Ratio	Lower	Upper
43	100		
70	49.3	37.6	56.4
55	25.3	19.0	28.6
61	25.2	20.8	31.2





#75
1,1,2,2-Tetrachloroethane
Concen: 51.763 ug/l
RT: 12.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

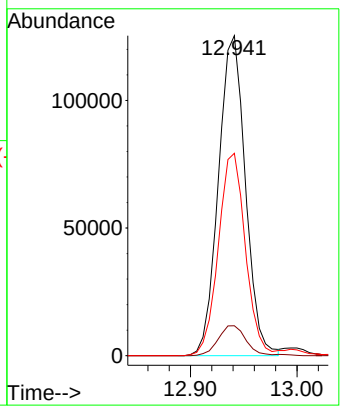
Tgt Ion: 83 Resp: 22064

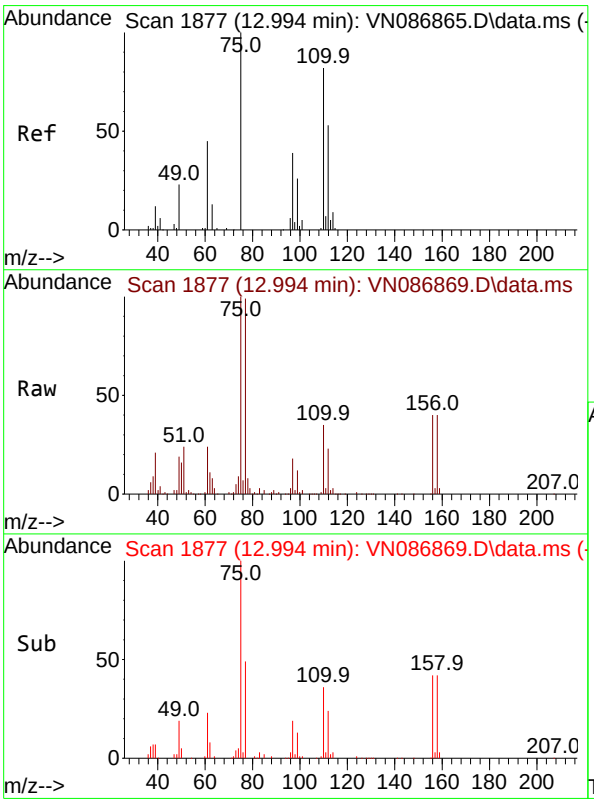
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	63.9	32.0	96.0

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

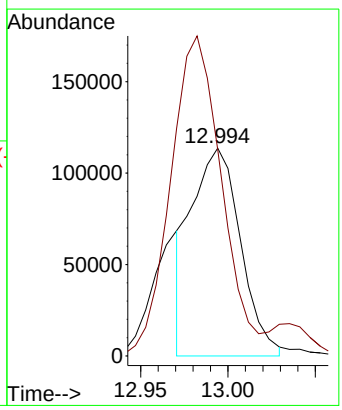


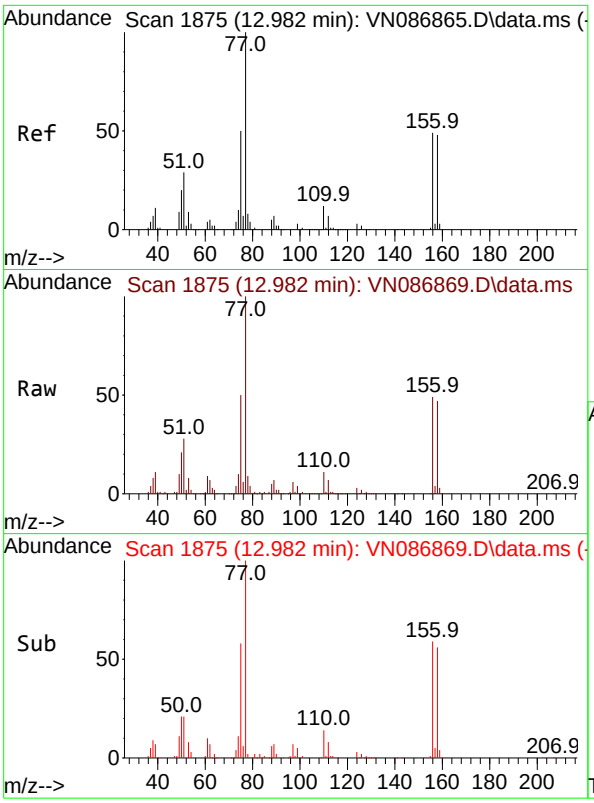


#76
1,2,3-Trichloropropane
Concen: 53.821 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 75 Resp: 220957

Ion	Ratio	Lower	Upper
75	100		
77	160.5	79.3	237.9





#77
Bromobenzene
Concen: 52.313 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

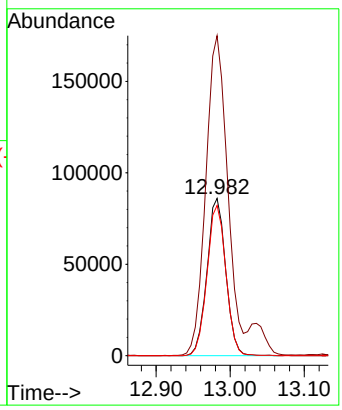
Tgt Ion:156 Resp: 15095

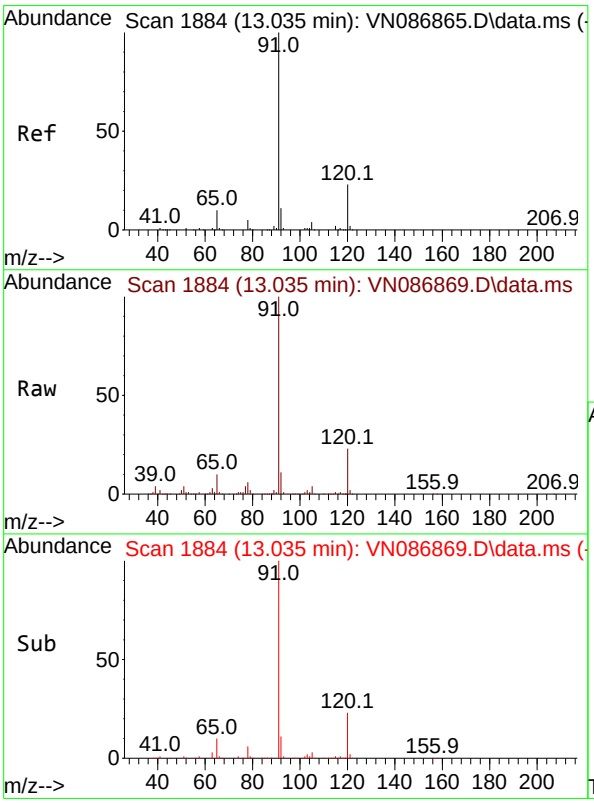
Ion	Ratio	Lower	Upper
156	100		
77	234.9	117.7	353.1
158	96.5	48.1	144.4

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

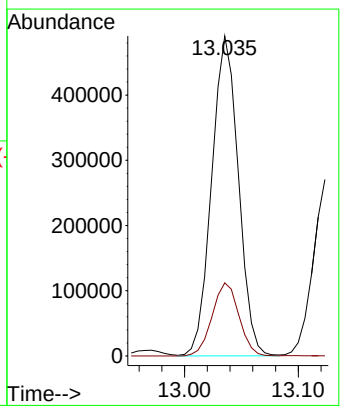


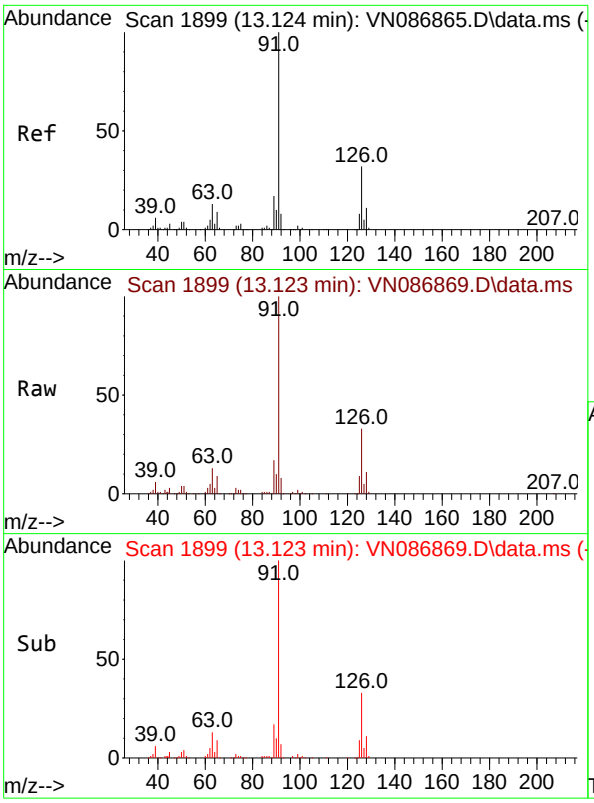


#78
n-propylbenzene
Concen: 52.397 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 91 Resp: 801180

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.4	34.2

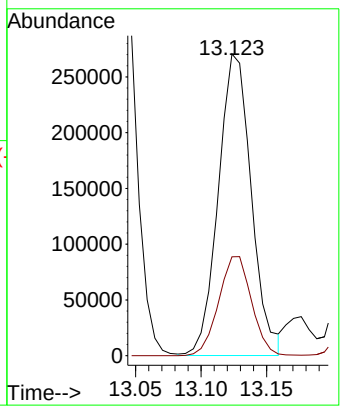




#79
2-Chlorotoluene
Concen: 51.650 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 91 Resp: 47362

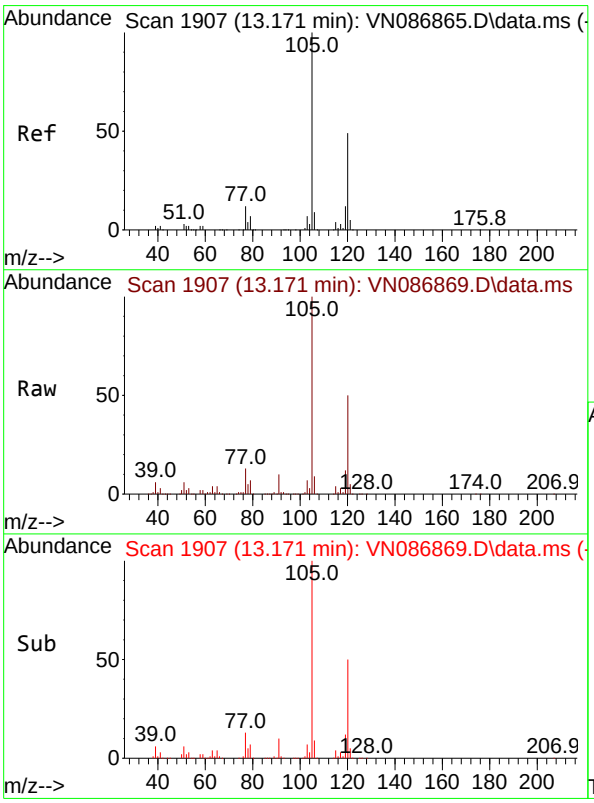
Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

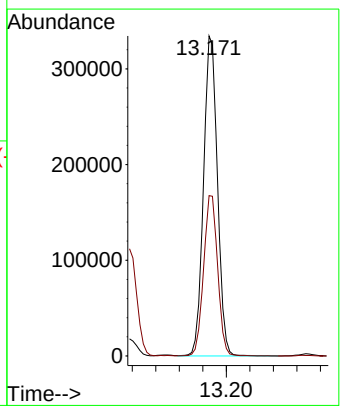
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

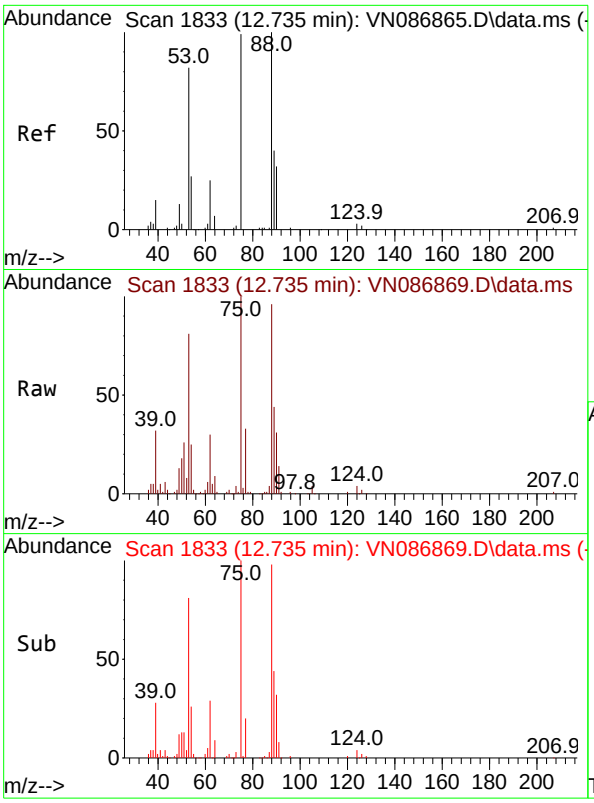


#80
1,3,5-Trimethylbenzene
Concen: 52.787 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:105 Resp: 548347

Ion	Ratio	Lower	Upper
105	100		
120	50.6	24.9	74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 55.702 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

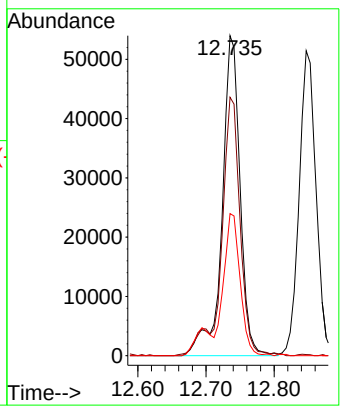
Tgt Ion: 75 Resp: 9934

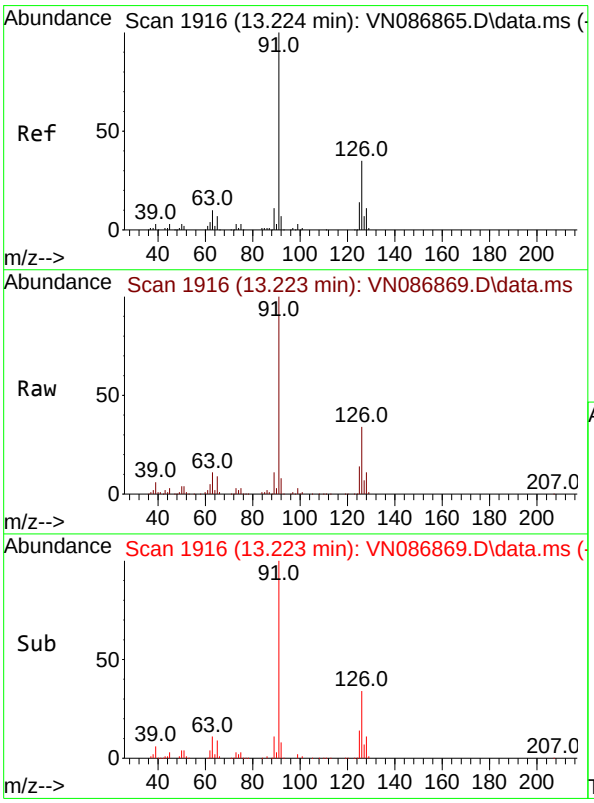
Ion	Ratio	Lower	Upper
75	100		
53	83.7	66.6	99.8
89	40.4	36.7	55.1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

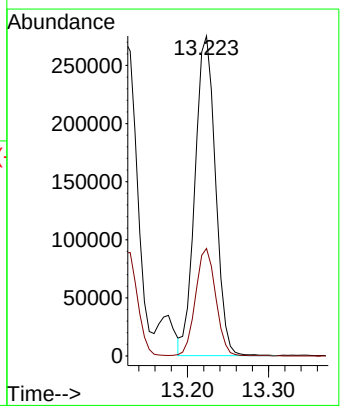


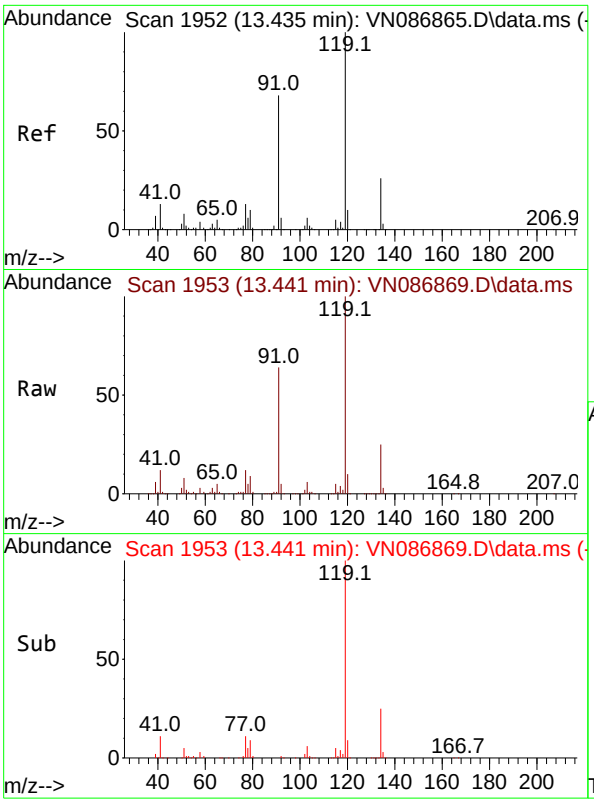


#82
4-Chlorotoluene
Concen: 51.884 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 91 Resp: 481403

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.7	50.1

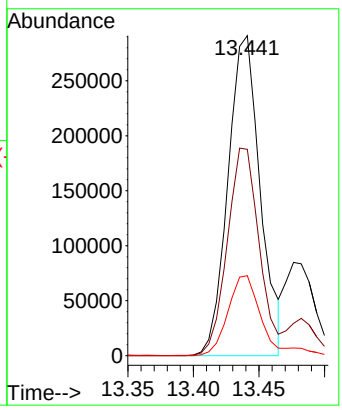




#83
tert-Butylbenzene
Concen: 52.532 ug/l
RT: 13.441 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:119 Resp: 49951

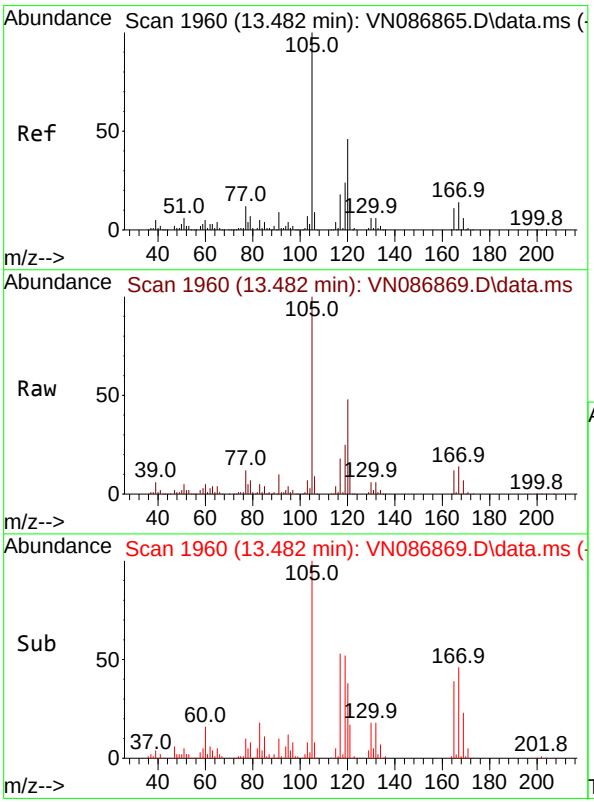
Ion	Ratio	Lower	Upper
119	100		
91	63.9	32.1	96.5
134	26.4	13.4	40.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

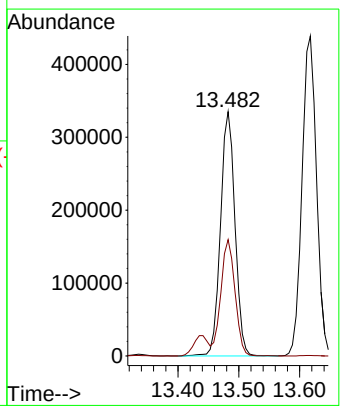
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

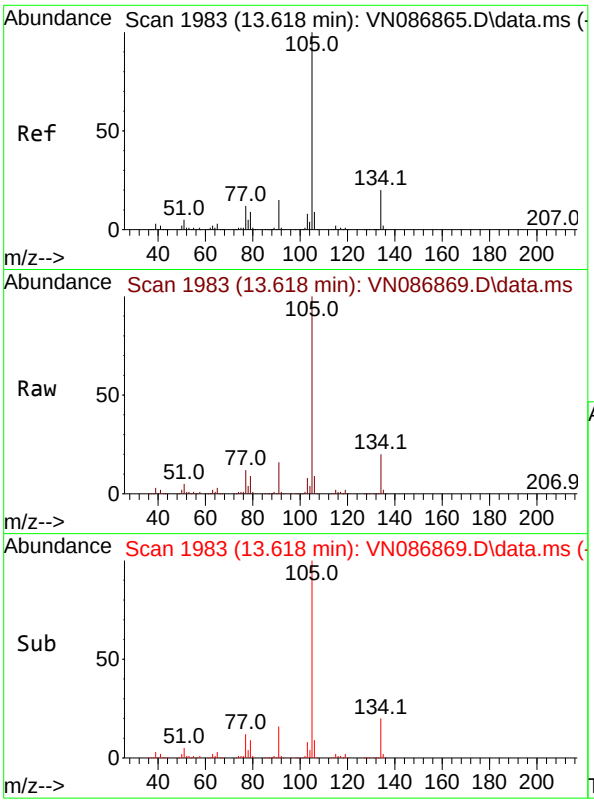


#84
1,2,4-Trimethylbenzene
Concen: 53.024 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:105 Resp: 552333

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.2	69.6





#85
sec-Butylbenzene
Concen: 52.428 ug/l
RT: 13.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

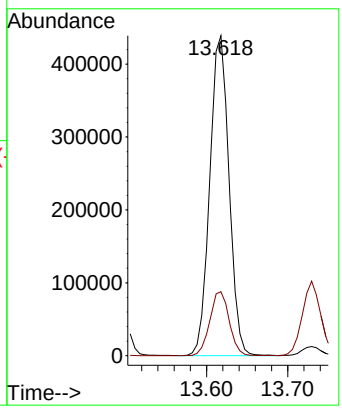
Tgt Ion:105 Resp: 72398

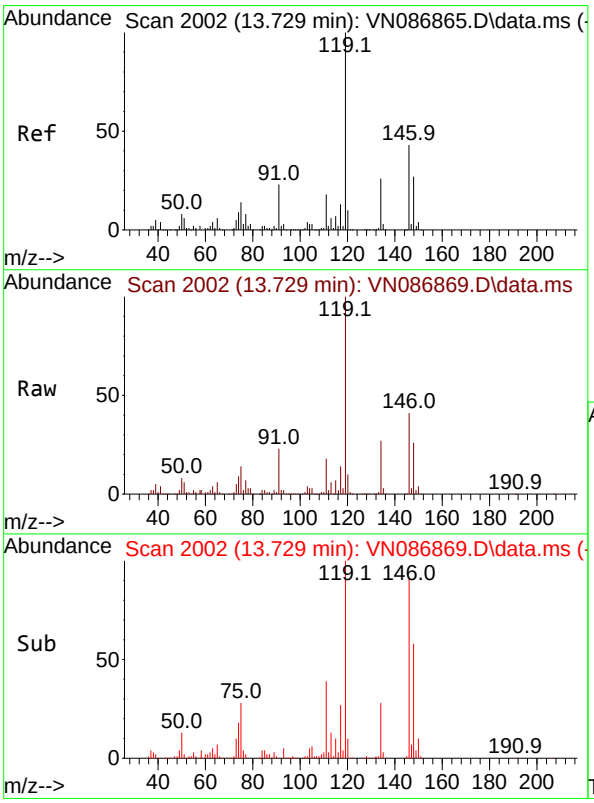
Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

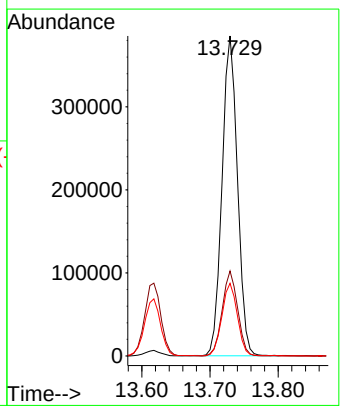


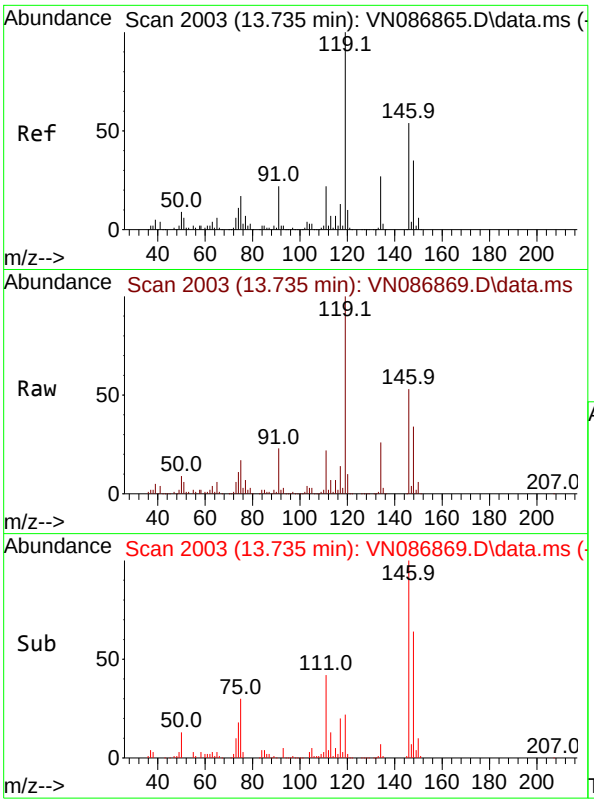


#86
p-Isopropyltoluene
Concen: 53.174 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:119 Resp: 606979

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.5	40.4
91	22.7	11.5	34.4

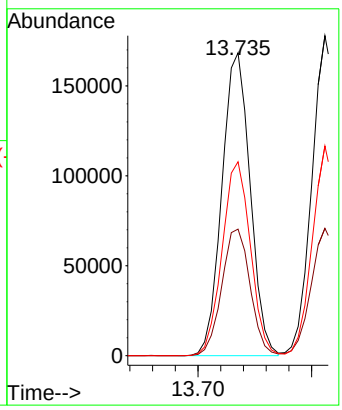




#87
1,3-Dichlorobenzene
Concen: 51.224 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:146 Resp: 29081

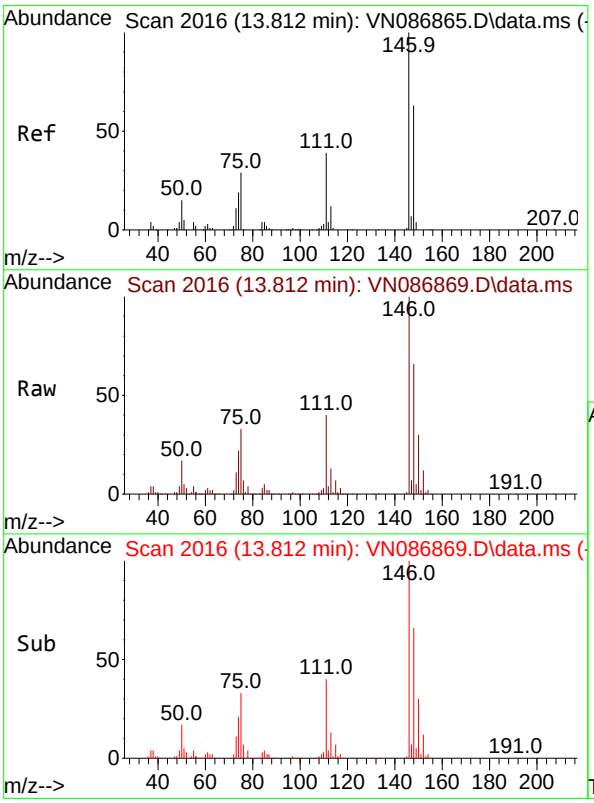
Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.9	62.8
148	64.3	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

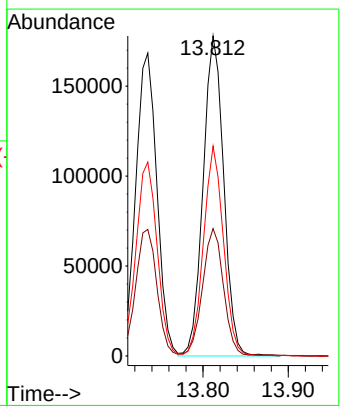
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

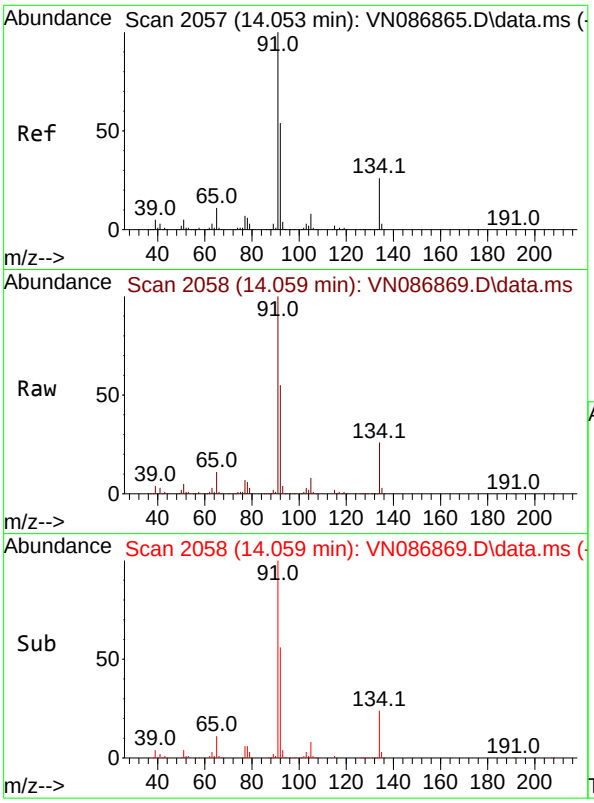


#88
1,4-Dichlorobenzene
Concen: 51.557 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:146 Resp: 298412

Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.9	59.7
148	63.3	31.8	95.4

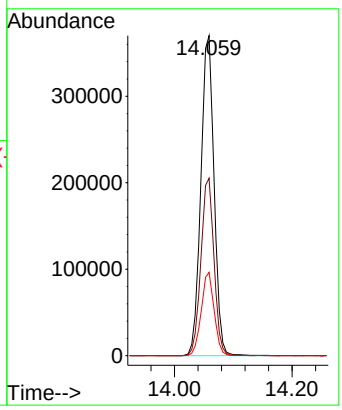




#89
n-Butylbenzene
Concen: 52.424 ug/l
RT: 14.059 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 91 Resp: 57963

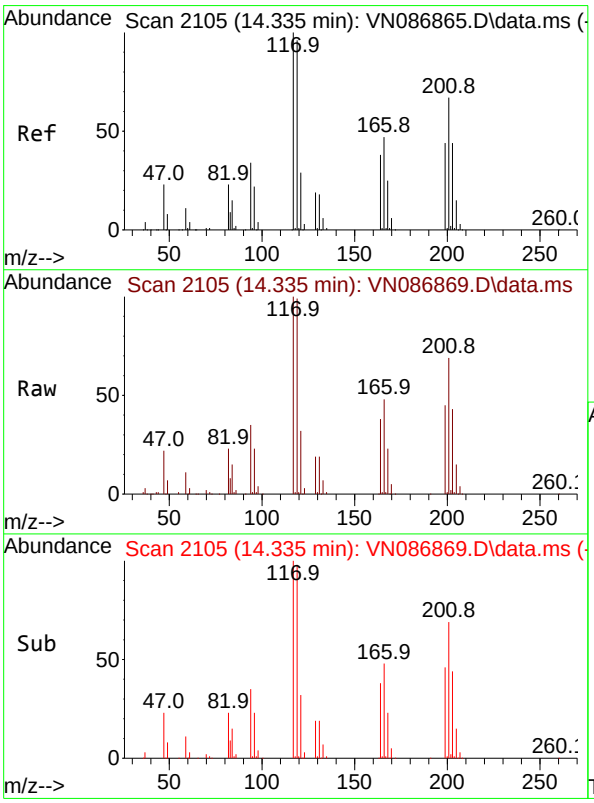
Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.5	82.4
134	25.5	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

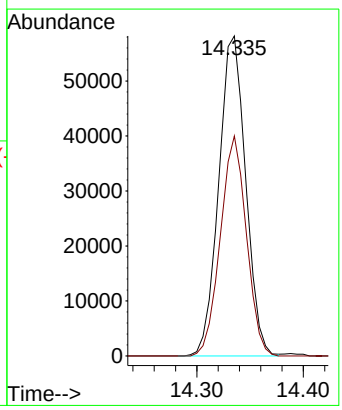
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

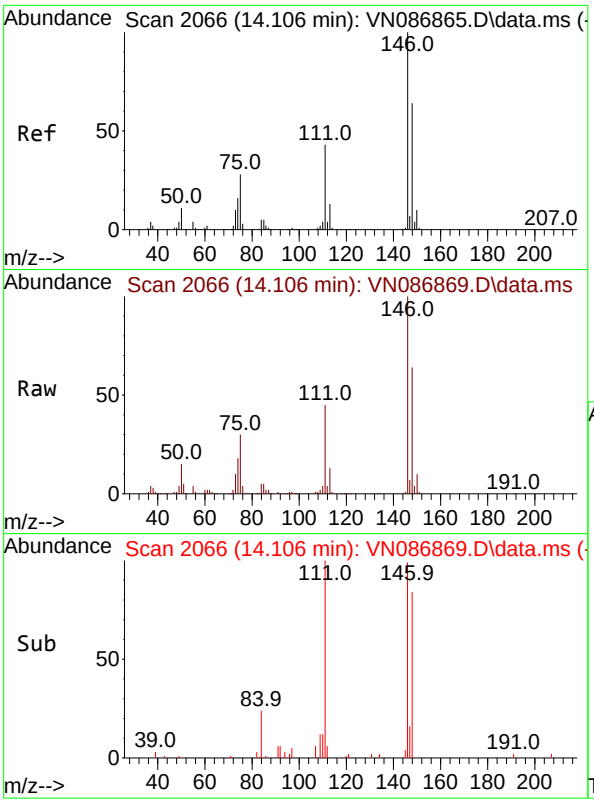


#90
Hexachloroethane
Concen: 52.847 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:117 Resp: 102254

Ion	Ratio	Lower	Upper
117	100		
201	66.4	33.2	99.6

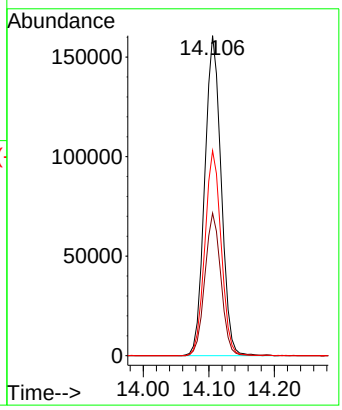




#91
1,2-Dichlorobenzene
Concen: 51.340 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:146 Resp: 28002

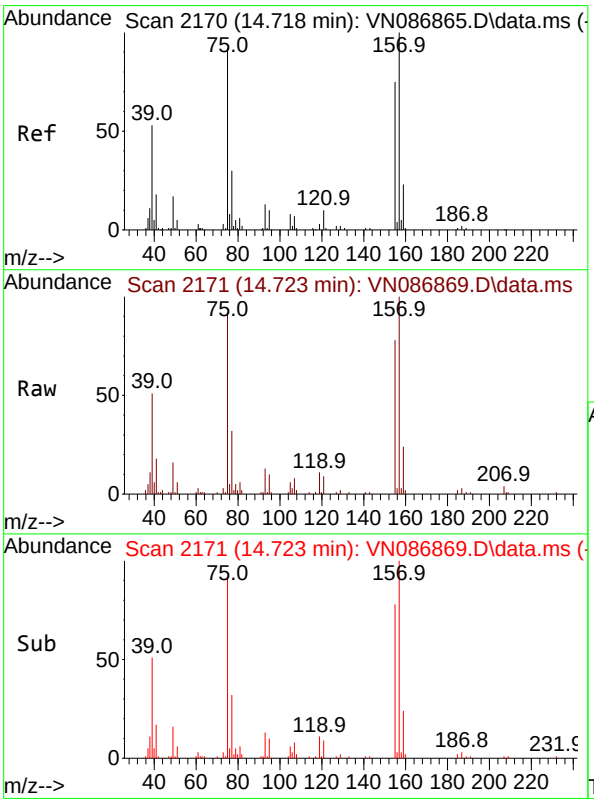
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.6	64.6
148	63.4	31.7	95.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

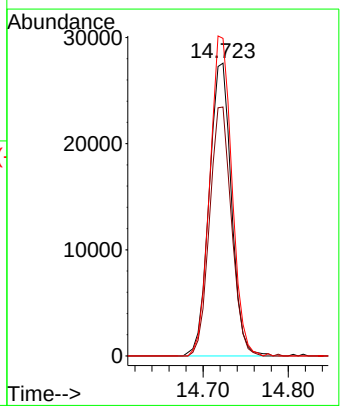
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

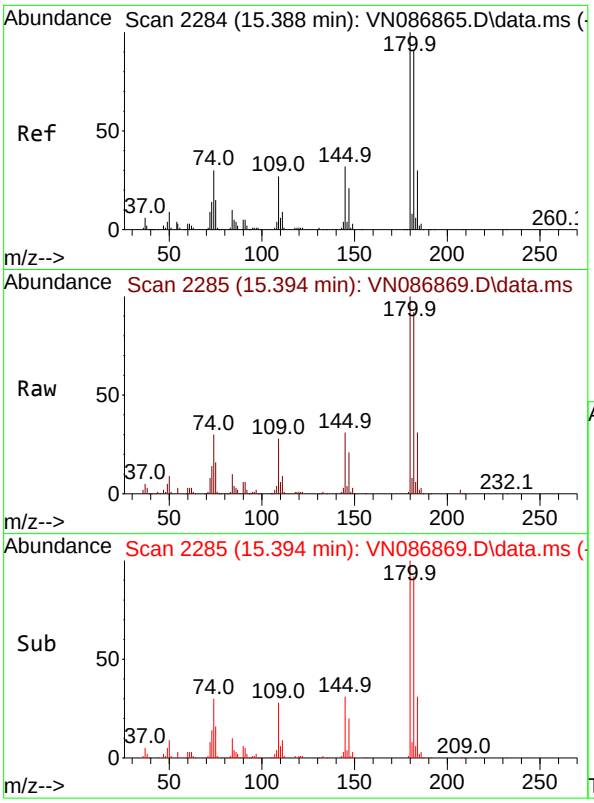


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.161 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 75 Resp: 50115

Ion	Ratio	Lower	Upper
75	100		
155	83.5	41.1	123.4
157	108.6	52.7	158.1

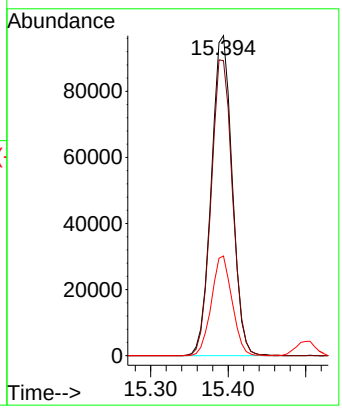




#93
1,2,4-Trichlorobenzene
Concen: 51.986 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:180 Resp: 18106

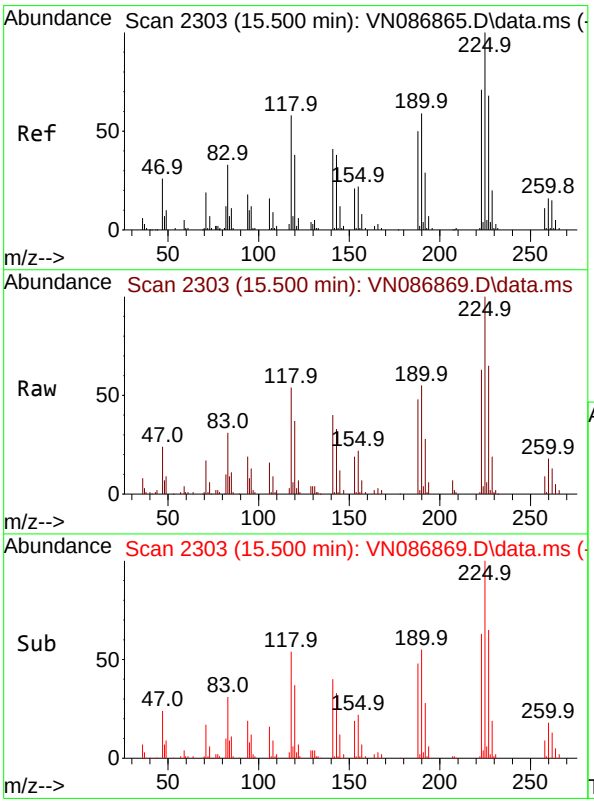
Ion	Ratio	Lower	Upper
180	100		
182	94.6	46.9	140.7
145	30.8	16.0	47.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

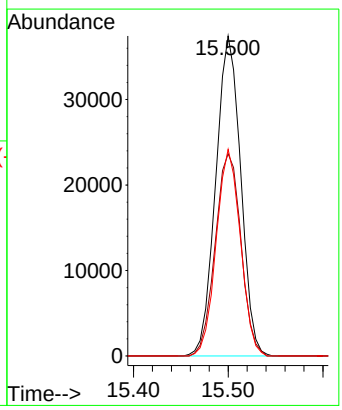
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

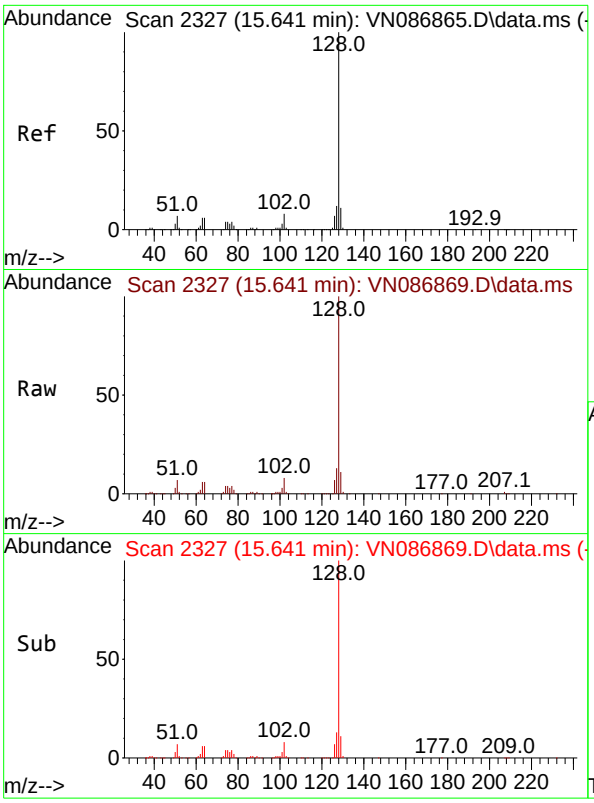


#94
Hexachlorobutadiene
Concen: 52.843 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:225 Resp: 68570

Ion	Ratio	Lower	Upper
225	100		
223	65.3	33.5	100.4
227	62.5	31.1	93.5

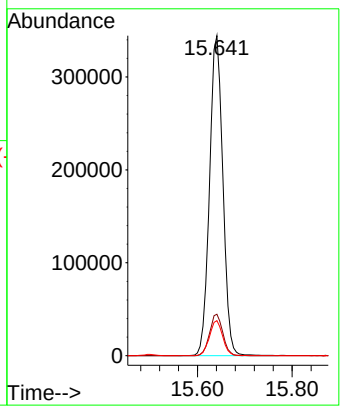




#95
Naphthalene
Concen: 52.005 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:128 Resp: 67418

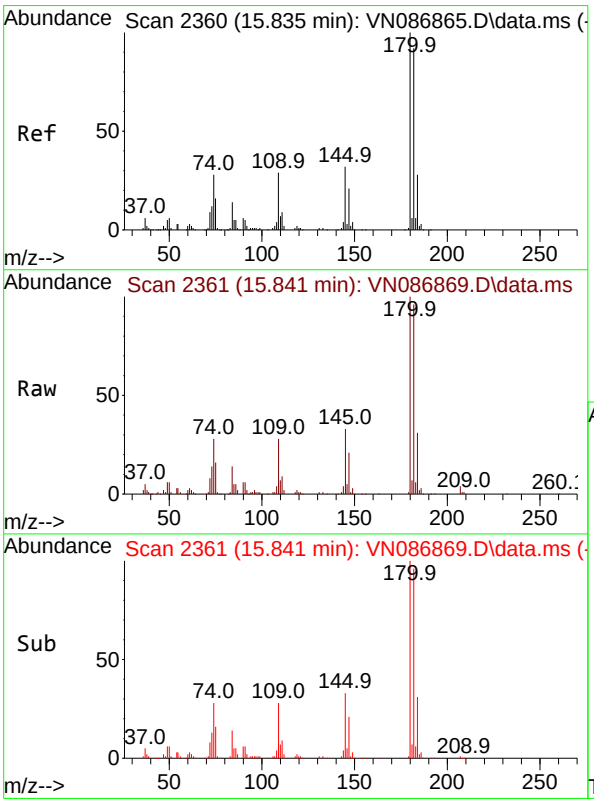
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

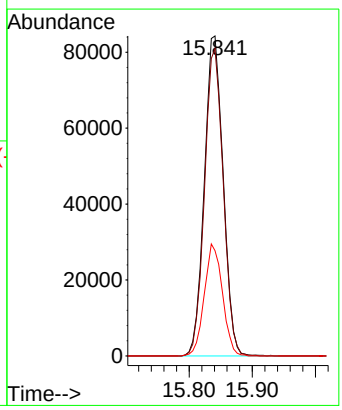
Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.539 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:180 Resp: 174888

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.0	141.0
145	33.8	16.6	49.8



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	105	0.00
2	T	Dichlorodifluoromethane	0.499	0.551	-10.4	116	0.00
3	P	Chloromethane	0.644	0.637	1.1	112	0.00
4	C	Vinyl Chloride	0.664	0.697	-5.0#	114	0.00
5	T	Bromomethane	0.372	0.411	-10.5	121	0.00
6	T	Chloroethane	0.429	0.439	-2.3	113	0.00
7	T	Trichlorofluoromethane	0.868	0.899	-3.6	113	0.00
8	T	Diethyl Ether	0.378	0.401	-6.1	116	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.545	0.585	-7.3	118	0.00
10	T	Methyl Iodide	0.707	0.752	-6.4	116	0.00
11	T	Tert butyl alcohol	0.182	0.191	-4.9	114	0.00
12	CM	1,1-Dichloroethene	0.557	0.575	-3.2#	113	0.00
13	T	Acrolein	0.057	0.055	3.5	128	0.00
14	T	Allyl chloride	0.923	0.932	-1.0	113	0.00
15	T	Acrylonitrile	0.425	0.440	-3.5	114	0.00
16	T	Acetone	0.355	0.350	1.4	114	0.00
17	T	Carbon Disulfide	1.539	1.556	-1.1	115	0.00
18	T	Methyl Acetate	1.035	1.074	-3.8	115	0.00
19	T	Methyl tert-butyl Ether	2.015	2.084	-3.4	113	0.00
20	T	Methylene Chloride	0.665	0.660	0.8	115	0.00
21	T	trans-1,2-Dichloroethene	0.619	0.612	1.1	113	0.00
22	T	Diisopropyl ether	1.945	2.018	-3.8	114	0.00
23	T	Vinyl Acetate	1.644	1.677	-2.0	111	0.00
24	P	1,1-Dichloroethane	1.120	1.153	-2.9	114	0.00
25	T	2-Butanone	0.577	0.591	-2.4	113	0.00
26	T	2,2-Dichloropropane	0.871	0.993	-14.0	116	0.00
27	T	cis-1,2-Dichloroethene	0.740	0.756	-2.2	114	0.00
28	T	Bromochloromethane	0.550	0.499	9.3	113	0.00
29	T	Tetrahydrofuran	0.376	0.386	-2.7	113	0.00
30	C	Chloroform	1.118	1.139	-1.9#	113	0.00
31	T	Cyclohexane	1.086	1.090	-0.4	114	0.00
32	T	1,1,1-Trichloroethane	0.951	0.962	-1.2	113	0.00
33	S	1,2-Dichloroethane-d4	0.669	0.698	-4.3	147	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35	S	Dibromofluoromethane	0.296	0.322	-8.8	153#	0.00
36	T	1,1-Dichloropropene	0.442	0.460	-4.1	115	0.00
37	T	Ethyl Acetate	0.562	0.563	-0.2	109	0.00
38	T	Carbon Tetrachloride	0.433	0.455	-5.1	116	0.00
39	T	Methylcyclohexane	0.605	0.637	-5.3	116	0.00
40	TM	Benzene	1.444	1.471	-1.9	114	0.00
41	T	Methacrylonitrile	0.316	0.332	-5.1	114	0.00
42	TM	1,2-Dichloroethane	0.438	0.451	-3.0	114	0.00
43	T	Isopropyl Acetate	0.902	0.912	-1.1	111	0.00
44	TM	Trichloroethene	0.342	0.355	-3.8	113	0.00
45	C	1,2-Dichloropropane	0.351	0.361	-2.8#	113	0.00
46	T	Dibromomethane	0.233	0.247	-6.0	116	0.00
47	T	Bromodichloromethane	0.480	0.498	-3.8	113	0.00
48	T	Methyl methacrylate	0.415	0.426	-2.7	113	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.008	0.008	0.0	112	0.00
50	S	Toluene-d8	1.173	1.246	-6.2	151#	0.00
51	T	4-Methyl-2-Pentanone	0.543	0.582	-7.2	113	0.00
52	CM	Toluene	0.882	0.918	-4.1#	114	0.00
53	T	t-1,3-Dichloropropene	0.537	0.570	-6.1	114	0.00
54	T	cis-1,3-Dichloropropene	0.574	0.603	-5.1	114	0.00
55	T	1,1,2-Trichloroethane	0.340	0.350	-2.9	113	0.00
56	T	Ethyl methacrylate	0.541	0.613	-13.3	115	0.00
57	T	1,3-Dichloropropane	0.589	0.605	-2.7	112	0.00
58	T	2-Chloroethyl Vinyl ether	0.323	0.317	1.9	120	0.00
59	T	2-Hexanone	0.350	0.397	-13.4	112	0.00
60	T	Dibromochloromethane	0.354	0.372	-5.1	114	0.00
61	T	1,2-Dibromoethane	0.348	0.361	-3.7	114	0.00
62	S	4-Bromofluorobenzene	0.436	0.471	-8.0	151#	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64	T	Tetrachloroethene	0.316	0.319	-0.9	114	0.00
65	PM	Chlorobenzene	1.103	1.122	-1.7	115	0.00
66	T	1,1,1,2-Tetrachloroethane	0.354	0.370	-4.5	115	0.00
67	C	Ethyl Benzene	1.899	1.960	-3.2#	114	0.00
68	T	m/p-Xylenes	0.727	0.756	-4.0	113	0.00
69	T	o-Xylene	0.696	0.730	-4.9	114	0.00
70	T	Styrene	1.192	1.257	-5.5	113	0.00
71	P	Bromoform	0.263	0.288	-9.5	114	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73	T	Isopropylbenzene	3.643	3.775	-3.6	114	0.00
74	T	N-amyl acetate	1.273	1.380	-8.4	112	0.00
75	P	1,1,2,2-Tetrachloroethane	1.234	1.278	-3.6	112	0.00
76	T	1,2,3-Trichloropropane	1.189	1.279	-7.6	112	0.00
77	T	Bromobenzene	0.835	0.874	-4.7	114	0.00
78	T	n-propylbenzene	4.427	4.639	-4.8	114	0.00
79	T	2-Chlorotoluene	2.655	2.742	-3.3	113	0.00
80	T	1,3,5-Trimethylbenzene	3.007	3.175	-5.6	113	0.00
81	T	trans-1,4-Dichloro-2-butene	0.516	0.575	-11.4	125	0.00
82	T	4-Chlorotoluene	2.686	2.787	-3.8	114	0.00
83	T	tert-Butylbenzene	2.753	2.892	-5.0	114	0.00
84	T	1,2,4-Trimethylbenzene	3.016	3.198	-6.0	113	0.00
85	T	sec-Butylbenzene	3.998	4.192	-4.9	113	0.00
86	T	p-Isopropyltoluene	3.305	3.514	-6.3	114	0.00
87	T	1,3-Dichlorobenzene	1.644	1.684	-2.4	112	0.00
88	T	1,4-Dichlorobenzene	1.676	1.728	-3.1	113	0.00
89	T	n-Butylbenzene	3.201	3.356	-4.8	113	0.00
90	T	Hexachloroethane	0.560	0.592	-5.7	114	0.00
91	T	1,2-Dichlorobenzene	1.579	1.621	-2.7	111	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.295	0.290	1.7	110	0.00
93	T	1,2,4-Trichlorobenzene	1.008	1.048	-4.0	112	0.00
94	T	Hexachlorobutadiene	0.376	0.397	-5.6	113	0.00
95	T	Naphthalene	3.753	3.904	-4.0	112	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.002	1.013	-1.1	110	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_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	105	0.00
2	T	Dichlorodifluoromethane	50.000	55.286	-10.6	116	0.00
3	P	Chloromethane	50.000	49.505	1.0	112	0.00
4	C	Vinyl Chloride	50.000	52.451	-4.9#	114	0.00
5	T	Bromomethane	50.000	55.292	-10.6	121	0.00
6	T	Chloroethane	50.000	51.117	-2.2	113	0.00
7	T	Trichlorofluoromethane	50.000	51.819	-3.6	113	0.00
8	T	Diethyl Ether	50.000	53.001	-6.0	116	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.615	-7.2	118	0.00
10	T	Methyl Iodide	50.000	53.227	-6.5	116	0.00
11	T	Tert butyl alcohol	250.000	262.193	-4.9	114	0.00
12	CM	1,1-Dichloroethene	50.000	51.678	-3.4#	113	0.00
13	T	Acrolein	250.000	240.545	3.8	128	0.00
14	T	Allyl chloride	50.000	50.504	-1.0	113	0.00
15	T	Acrylonitrile	250.000	258.885	-3.6	114	0.00
16	T	Acetone	250.000	246.750	1.3	114	0.00
17	T	Carbon Disulfide	50.000	50.550	-1.1	115	0.00
18	T	Methyl Acetate	50.000	51.912	-3.8	115	0.00
19	T	Methyl tert-butyl Ether	50.000	51.720	-3.4	113	0.00
20	T	Methylene Chloride	50.000	49.617	0.8	115	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.437	1.1	113	0.00
22	T	Diisopropyl ether	50.000	51.853	-3.7	114	0.00
23	T	Vinyl Acetate	250.000	255.055	-2.0	111	0.00
24	P	1,1-Dichloroethane	50.000	51.487	-3.0	114	0.00
25	T	2-Butanone	250.000	255.897	-2.4	113	0.00
26	T	2,2-Dichloropropane	50.000	57.031	-14.1	116	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.073	-2.1	114	0.00
28	T	Bromochloromethane	50.000	45.310	9.4	113	0.00
29	T	Tetrahydrofuran	250.000	256.656	-2.7	113	0.00
30	C	Chloroform	50.000	50.933	-1.9#	113	0.00
31	T	Cyclohexane	50.000	50.212	-0.4	114	0.00
32	T	1,1,1-Trichloroethane	50.000	50.603	-1.2	113	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.135	-4.3	147	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35	S	Dibromofluoromethane	50.000	54.416	-8.8	153	0.00
36	T	1,1-Dichloropropene	50.000	52.123	-4.2	115	0.00
37	T	Ethyl Acetate	50.000	50.125	-0.3	109	0.00
38	T	Carbon Tetrachloride	50.000	52.466	-4.9	116	0.00
39	T	Methylcyclohexane	50.000	52.686	-5.4	116	0.00
40	TM	Benzene	50.000	50.931	-1.9	114	0.00
41	T	Methacrylonitrile	50.000	52.607	-5.2	114	0.00
42	TM	1,2-Dichloroethane	50.000	51.489	-3.0	114	0.00
43	T	Isopropyl Acetate	50.000	50.536	-1.1	111	0.00
44	TM	Trichloroethene	50.000	51.788	-3.6	113	0.00
45	C	1,2-Dichloropropane	50.000	51.450	-2.9#	113	0.00
46	T	Dibromomethane	50.000	52.849	-5.7	116	0.00
47	T	Bromodichloromethane	50.000	51.824	-3.6	113	0.00
48	T	Methyl methacrylate	50.000	51.328	-2.7	113	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1110.123	-11.0	112	0.00
50	S	Toluene-d8	50.000	53.129	-6.3	151	0.00
51	T	4-Methyl-2-Pentanone	250.000	267.835	-7.1	113	0.00
52	CM	Toluene	50.000	52.040	-4.1#	114	0.00
53	T	t-1,3-Dichloropropene	50.000	53.137	-6.3	114	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.519	-5.0	114	0.00
55	T	1,1,2-Trichloroethane	50.000	51.562	-3.1	113	0.00
56	T	Ethyl methacrylate	50.000	56.688	-13.4	115	0.00
57	T	1,3-Dichloropropane	50.000	51.386	-2.8	112	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	246.006	1.6	120	0.00
59	T	2-Hexanone	250.000	283.478	-13.4	112	0.00
60	T	Dibromochloromethane	50.000	52.627	-5.3	114	0.00
61	T	1,2-Dibromoethane	50.000	51.887	-3.8	114	0.00
62	S	4-Bromofluorobenzene	50.000	54.081	-8.2	151	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64	T	Tetrachloroethene	50.000	50.450	-0.9	114	0.00
65	PM	Chlorobenzene	50.000	50.892	-1.8	115	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.164	-4.3	115	0.00
67	C	Ethyl Benzene	50.000	51.590	-3.2#	114	0.00
68	T	m/p-Xylenes	100.000	103.912	-3.9	113	0.00
69	T	o-Xylene	50.000	52.387	-4.8	114	0.00
70	T	Styrene	50.000	52.758	-5.5	113	0.00
71	P	Bromoform	50.000	54.751	-9.5	114	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	51.823	-3.6	114	0.00
74	T	N-amyl acetate	50.000	54.212	-8.4	112	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.763	-3.5	112	0.00
76	T	1,2,3-Trichloropropane	50.000	53.821	-7.6	112	0.00
77	T	Bromobenzene	50.000	52.313	-4.6	114	0.00
78	T	n-propylbenzene	50.000	52.397	-4.8	114	0.00
79	T	2-Chlorotoluene	50.000	51.650	-3.3	113	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.787	-5.6	113	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.702	-11.4	125	0.00
82	T	4-Chlorotoluene	50.000	51.884	-3.8	114	0.00
83	T	tert-Butylbenzene	50.000	52.532	-5.1	114	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.024	-6.0	113	0.00
85	T	sec-Butylbenzene	50.000	52.428	-4.9	113	0.00
86	T	p-Isopropyltoluene	50.000	53.174	-6.3	114	0.00
87	T	1,3-Dichlorobenzene	50.000	51.224	-2.4	112	0.00
88	T	1,4-Dichlorobenzene	50.000	51.557	-3.1	113	0.00
89	T	n-Butylbenzene	50.000	52.424	-4.8	113	0.00
90	T	Hexachloroethane	50.000	52.847	-5.7	114	0.00
91	T	1,2-Dichlorobenzene	50.000	51.340	-2.7	111	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.161	1.7	110	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.986	-4.0	112	0.00
94	T	Hexachlorobutadiene	50.000	52.843	-5.7	113	0.00
95	T	Naphthalene	50.000	52.005	-4.0	112	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.539	-1.1	110	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: TETR06

Lab Code: CHEM Case No.: Q2314 SAS No.: Q2314 SDG No.: Q2314

Instrument ID: MSVOA_Y Calibration Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Calibration Time(s): 11:46 13:39

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

LAB FILE ID: RRF005 = VY022491.D RRF010 = VY022492.D RRF020 = VY022493.D
RRF050 = VY022494.D RRF100 = VY022495.D RRF150 = VY022496.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Chloromethane	1.320	1.590	1.431	1.230	1.178	1.185	1.322	12.3
Vinyl Chloride	1.371	1.814	1.647	1.497	1.444	1.432	1.534	10.8
Bromomethane	1.365	1.735	1.705	1.240	1.341	1.436	1.470	13.8
Chloroethane	0.973	1.278	1.198	0.965	0.941	0.964	1.053	13.8
Trichlorofluoromethane	1.135	1.492	1.430	1.224	1.223	1.310	1.302	10.5
1,1,2-Trichlorotrifluoroethane	0.510	0.615	0.572	0.538	0.522	0.534	0.549	7.1
1,1-Dichloroethene	0.469	0.577	0.549	0.518	0.510	0.523	0.524	7
Acetone	0.130	0.119	0.120	0.116	0.105	0.092	0.114	11.6
Carbon Disulfide	1.503	1.870	1.731	1.664	1.638	1.666	1.679	7.2
Methyl tert-butyl Ether	1.307	1.618	1.571	1.470	1.435	1.462	1.477	7.4
Methylene Chloride	0.861	0.700	0.637	0.574	0.548	0.550	0.645	18.7
trans-1,2-Dichloroethene	0.522	0.651	0.612	0.571	0.574	0.592	0.587	7.4
1,1-Dichloroethane	0.968	1.193	1.124	1.060	1.051	1.080	1.079	7
2-Butanone	0.143	0.174	0.178	0.168	0.163	0.157	0.164	7.6
Carbon Tetrachloride	0.415	0.516	0.497	0.508	0.508	0.537	0.497	8.5
cis-1,2-Dichloroethene	0.592	0.731	0.706	0.682	0.668	0.691	0.678	7
Chloroform	0.960	1.183	1.109	1.058	1.043	1.062	1.069	6.9
1,1,1-Trichloroethane	0.819	1.029	0.970	0.948	0.951	0.977	0.949	7.4
Methylcyclohexane	0.568	0.674	0.645	0.657	0.664	0.698	0.651	6.9
Benzene	1.213	1.487	1.473	1.441	1.452	1.518	1.431	7.7
1,2-Dichloroethane	0.320	0.424	0.413	0.390	0.395	0.401	0.391	9.4
Trichloroethene	0.294	0.388	0.353	0.355	0.350	0.358	0.350	8.7
1,2-Dichloropropane	0.274	0.364	0.354	0.344	0.344	0.349	0.338	9.6
Bromodichloromethane	0.380	0.525	0.499	0.491	0.491	0.508	0.482	10.7
4-Methyl-2-Pentanone	0.175	0.242	0.246	0.243	0.244	0.246	0.233	12.1
Toluene	0.732	0.932	0.904	0.903	0.933	0.990	0.899	9.8
t-1,3-Dichloropropene	0.350	0.468	0.476	0.461	0.468	0.487	0.452	11.2
cis-1,3-Dichloropropene	0.423	0.549	0.545	0.537	0.544	0.558	0.526	9.7
1,1,2-Trichloroethane	0.207	0.257	0.258	0.242	0.243	0.249	0.243	7.7
2-Hexanone	0.120	0.158	0.166	0.162	0.165	0.162	0.156	11.3

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

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2314 SAS No.: Q2314 SDG No.: Q2314

Instrument ID: MSVOA_Y Calibration Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Calibration Time(s): 11:46 13:39

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

LAB FILE ID: RRF005 = VY022491.D RRF010 = VY022492.D RRF020 = VY022493.D
RRF050 = VY022494.D RRF100 = VY022495.D RRF150 = VY022496.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dibromochloromethane	0.248	0.320	0.325	0.314	0.319	0.323	0.308	9.6
Tetrachloroethene	0.375	0.474	0.448	0.437	0.416	0.432	0.430	7.7
Chlorobenzene	0.949	1.170	1.102	1.116	1.120	1.182	1.106	7.5
Ethyl Benzene	1.655	2.090	2.006	2.083	2.148	2.332	2.052	10.9
m/p-Xylenes	0.616	0.780	0.765	0.785	0.822	0.899	0.778	11.9
o-Xylene	0.583	0.749	0.721	0.734	0.764	0.826	0.729	11
Styrene	0.909	1.195	1.189	1.233	1.291	1.417	1.206	13.9
Bromoform	0.161	0.209	0.200	0.201	0.206	0.214	0.198	9.7
Isopropylbenzene	3.470	4.308	4.090	4.136	4.167	4.460	4.105	8.3
1,1,2,2-Tetrachloroethane	0.570	0.738	0.692	0.682	0.671	0.689	0.674	8.3
1,3-Dichlorobenzene	1.514	1.783	1.730	1.733	1.809	1.963	1.755	8.3
1,4-Dichlorobenzene	1.508	1.814	1.733	1.701	1.677	1.781	1.702	6.3
1,2-Dichlorobenzene	1.246	1.582	1.547	1.512	1.490	1.564	1.490	8.3
1,2-Dichloroethane-d4	0.523	0.574	0.556	0.591	0.552	0.559	0.559	4.1
Dibromofluoromethane	0.264	0.283	0.301	0.321	0.307	0.315	0.298	7.2
Toluene-d8	1.067	1.181	1.158	1.279	1.253	1.298	1.206	7.2
4-Bromofluorobenzene	0.339	0.339	0.347	0.372	0.373	0.386	0.359	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.

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y060225S.M
Title : SW846 8260
Last Update : Tue Jun 03 03:22:04 2025
Response Via : Initial Calibration

Calibration Files
5 =VY022491.D 10 =VY022492.D 20 =VY022493.D 50 =VY022494.D 100 =VY022495.D 150 =VY022496.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.433	0.542	0.495	0.413	0.397	0.405	0.448	13.03
3)	P	Chloromethane	1.320	1.590	1.431	1.230	1.178	1.185	1.322	12.28
4)	C	Vinyl Chloride	1.371	1.814	1.647	1.497	1.444	1.432	1.534	10.82#
5)	T	Bromomethane	1.365	1.735	1.705	1.240	1.341	1.436	1.470	13.82
6)	T	Chloroethane	0.973	1.278	1.198	0.965	0.941	0.964	1.053	13.84
7)	T	Trichlorofluor...	1.135	1.492	1.430	1.224	1.223	1.310	1.302	10.47
8)	T	Diethyl Ether	0.258	0.335	0.315	0.291	0.279	0.283	0.293	9.35
9)	T	1,1,2-Trichlor...	0.510	0.615	0.572	0.538	0.522	0.534	0.549	7.08
10)	T	Methyl Iodide	0.456	0.606	0.609	0.644	0.632	0.616	0.594	11.60
11)	T	Tert butyl alc...	0.034	0.046	0.045	0.039	0.038	0.038	0.040	11.73
12)	CM	1,1-Dichloroet...	0.469	0.577	0.549	0.518	0.510	0.523	0.524	6.96#
13)	T	Acrolein	0.056	0.046	0.053	0.048	0.050	0.046	0.050	8.21
14)	T	Allyl chloride	0.751	0.911	0.850	0.806	0.804	0.817	0.823	6.51
15)	T	Acrylonitrile	0.106	0.138	0.133	0.126	0.122	0.120	0.124	8.94
16)	T	Acetone	0.130	0.119	0.120	0.116	0.105	0.092	0.114	11.55
17)	T	Carbon Disulfide	1.503	1.870	1.731	1.664	1.638	1.666	1.679	7.17
18)	T	Methyl Acetate	0.280	0.408	0.396	0.333	0.301	0.301	0.336	15.94
19)	T	Methyl tert-bu...	1.307	1.618	1.571	1.470	1.435	1.462	1.477	7.39
20)	T	Methylene Chlo...	0.861	0.700	0.637	0.574	0.548	0.550	0.645	18.74
21)	T	trans-1,2-Dich...	0.522	0.651	0.612	0.571	0.574	0.592	0.587	7.39
22)	T	Diisopropyl ether	1.616	1.984	1.933	1.818	1.800	1.842	1.832	6.96
23)	T	Vinyl Acetate	0.910	1.143	1.145	1.083	1.099	1.126	1.084	8.20
24)	P	1,1-Dichloroet...	0.968	1.193	1.124	1.060	1.051	1.080	1.079	7.00
25)	T	2-Butanone	0.143	0.174	0.178	0.168	0.163	0.157	0.164	7.62
26)	T	2,2-Dichloropr...	0.836	1.032	0.972	0.947	0.953	0.982	0.954	6.84
27)	T	cis-1,2-Dichlo...	0.592	0.731	0.706	0.682	0.668	0.691	0.678	6.98
28)	T	Bromochloromet...	0.470	0.477	0.479	0.454	0.469	0.474	0.471	1.86
29)	T	Tetrahydrofuran	0.093	0.118	0.114	0.104	0.103	0.101	0.106	8.60
30)	C	Chloroform	0.960	1.183	1.109	1.058	1.043	1.062	1.069	6.93#
31)	T	Cyclohexane	1.168	1.208	1.098	1.015	0.970	0.988	1.075	9.22
32)	T	1,1,1-Trichlor...	0.819	1.029	0.970	0.948	0.951	0.977	0.949	7.36
33)	S	1,2-Dichloroet...	0.523	0.574	0.556	0.591	0.552	0.559	0.559	4.10
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.264	0.283	0.301	0.321	0.307	0.315	0.298	7.22
36)	T	1,1-Dichloropr...	0.416	0.512	0.492	0.486	0.490	0.510	0.484	7.30
37)	T	Ethyl Acetate	0.181	0.217	0.231	0.229	0.221	0.216	0.216	8.41
38)	T	Carbon Tetrach...	0.415	0.516	0.497	0.508	0.508	0.537	0.497	8.49
39)	T	Methylcyclohexane	0.568	0.674	0.645	0.657	0.664	0.698	0.651	6.85
40)	TM	Benzene	1.213	1.487	1.473	1.441	1.452	1.518	1.431	7.67
41)	T	Methacrylonitrile	0.119	0.123	0.132	0.125	0.135	0.124	0.126	4.74
42)	TM	1,2-Dichloroet...	0.320	0.424	0.413	0.390	0.395	0.401	0.391	9.39
43)	T	Isopropyl Acetate	0.377	0.497	0.499	0.478	0.475	0.474	0.467	9.72
44)	TM	Trichloroethene	0.294	0.388	0.353	0.355	0.350	0.358	0.350	8.73
45)	C	1,2-Dichloropr...	0.274	0.364	0.354	0.344	0.344	0.349	0.338	9.61#
46)	T	Dibromomethane	0.158	0.199	0.201	0.193	0.192	0.197	0.190	8.46
47)	T	Bromodichlorom...	0.380	0.525	0.499	0.491	0.491	0.508	0.482	10.71
48)	T	Methyl methacr...	0.183	0.220	0.234	0.222	0.226	0.229	0.219	8.29
49)	T	1,4-Dioxane	0.002	0.002	0.003	0.002	0.002	0.002	0.002	9.33
50)	S	Toluene-d8	1.067	1.181	1.158	1.279	1.253	1.298	1.206	7.25
51)	T	4-Methyl-2-Pen...	0.175	0.242	0.246	0.243	0.244	0.246	0.233	12.13
52)	CM	Toluene	0.732	0.932	0.904	0.903	0.933	0.990	0.899	9.76#
53)	T	t-1,3-Dichloro...	0.350	0.468	0.476	0.461	0.468	0.487	0.452	11.20
54)	T	cis-1,3-Dichlo...	0.423	0.549	0.545	0.537	0.544	0.558	0.526	9.67
55)	T	1,1,2-Trichlor...	0.207	0.257	0.258	0.242	0.243	0.249	0.243	7.73
56)	T	Ethyl methacry...	0.257	0.357	0.370	0.363	0.373	0.383	0.351	13.32

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y060225S.M

57)	T	1,3-Dichloropr...	0.358	0.462	0.448	0.435	0.434	0.443	0.430	8.57
58)	T	2-Chloroethyl ...	0.137	0.143	0.160	0.159	0.174	0.181	0.159	10.80
59)	T	2-Hexanone	0.120	0.158	0.166	0.162	0.165	0.162	0.156	11.34
60)	T	Dibromochlorom...	0.248	0.320	0.325	0.314	0.319	0.323	0.308	9.61
61)	T	1,2-Dibromoethane	0.174	0.236	0.239	0.223	0.225	0.230	0.221	10.87
62)	S	4-Bromofluorob...	0.339	0.339	0.347	0.372	0.373	0.386	0.359	5.62
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.375	0.474	0.448	0.437	0.416	0.432	0.430	7.66
65)	PM	Chlorobenzene	0.949	1.170	1.102	1.116	1.120	1.182	1.106	7.54
66)	T	1,1,1,2-Tetrac...	0.291	0.383	0.379	0.379	0.385	0.419	0.373	11.51
67)	C	Ethyl Benzene	1.655	2.090	2.006	2.083	2.148	2.332	2.052	10.90#
68)	T	m/p-Xylenes	0.616	0.780	0.765	0.785	0.822	0.899	0.778	11.94
69)	T	o-Xylene	0.583	0.749	0.721	0.734	0.764	0.826	0.729	11.05
70)	T	Styrene	0.909	1.195	1.189	1.233	1.291	1.417	1.206	13.93
71)	P	Bromoform	0.161	0.209	0.200	0.201	0.206	0.214	0.198	9.68
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.470	4.308	4.090	4.136	4.167	4.460	4.105	8.26
74)	T	N-amyl acetate	0.754	1.078	1.081	1.072	1.103	1.127	1.036	13.49
75)	P	1,1,2,2-Tetrac...	0.570	0.738	0.692	0.682	0.671	0.689	0.674	8.25
76)	T	1,2,3-Trichlor...	0.585	0.610	0.582	0.630	0.511	0.514	0.572	8.62
77)	T	Bromobenzene	0.723	0.924	0.890	0.868	0.867	0.925	0.866	8.63
78)	T	n-propylbenzene	4.424	5.221	4.962	5.067	5.051	5.357	5.014	6.40
79)	T	2-Chlorotoluene	2.378	2.742	2.653	2.676	2.666	2.828	2.657	5.71
80)	T	1,3,5-Trimethy...	2.748	3.317	3.240	3.260	3.275	3.497	3.223	7.77
81)	T	trans-1,4-Dich...	0.203	0.255	0.241	0.234	0.241	0.247	0.237	7.60
82)	T	4-Chlorotoluene	2.386	2.865	2.677	2.775	2.784	2.960	2.741	7.23
83)	T	tert-Butylbenzene	2.444	2.979	2.900	2.899	2.952	3.181	2.893	8.41
84)	T	1,2,4-Trimethy...	2.719	3.307	3.189	3.220	3.304	3.599	3.223	8.89
85)	T	sec-Butylbenzene	3.877	4.652	4.352	4.466	4.488	4.746	4.430	6.89
86)	T	p-Isopropyltol...	3.038	3.638	3.591	3.655	3.824	4.163	3.652	10.04
87)	T	1,3-Dichlorobe...	1.514	1.783	1.730	1.733	1.809	1.963	1.755	8.29
88)	T	1,4-Dichlorobe...	1.508	1.814	1.733	1.701	1.677	1.781	1.702	6.34
89)	T	n-Butylbenzene	2.956	3.551	3.459	3.534	3.537	3.750	3.464	7.72
90)	T	Hexachloroethane	0.632	0.745	0.712	0.716	0.709	0.751	0.711	6.01
91)	T	1,2-Dichlorobe...	1.246	1.582	1.547	1.512	1.490	1.564	1.490	8.35
92)	T	1,2-Dibromo-3-...	0.074	0.110	0.103	0.105	0.098	0.099	0.098	12.72
93)	T	1,2,4-Trichlor...	0.667	0.863	0.812	0.817	0.851	0.865	0.813	9.20
94)	T	Hexachlorobuta...	0.440	0.480	0.441	0.447	0.441	0.442	0.449	3.46
95)	T	Naphthalene	1.187	1.604	1.614	1.620	1.663	1.670	1.560	11.84
96)	T	1,2,3-Trichlor...	0.622	0.721	0.712	0.699	0.710	0.714	0.697	5.33

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	201089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	353755	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	289394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	127807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	10508	4.802	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.600%#		
35) Dibromofluoromethane	7.646	113	9323	4.477	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	8.960%#		
50) Toluene-d8	10.109	98	37729	4.482	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	8.960%#		
62) 4-Bromofluorobenzene	12.408	95	11988	4.697	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.400%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	8717	4.961	ug/l	99
3) Chloromethane	2.068	50	26535	5.119	ug/l	98
4) Vinyl Chloride	2.208	62	27572	4.544	ug/l	98
5) Bromomethane	2.598	94	27457	4.784	ug/l	98
6) Chloroethane	2.739	64	19566	4.710	ug/l	95
7) Trichlorofluoromethane	3.062	101	22825	4.428	ug/l	92
8) Diethyl Ether	3.464	74	5184	4.553	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.824	101	10259	4.744	ug/l	97
10) Methyl Iodide	4.007	142	9174	3.956	ug/l #	95
11) Tert butyl alcohol	4.891	59	3374	21.587	ug/l #	88
12) 1,1-Dichloroethene	3.799	96	9440	4.573	ug/l	97
13) Acrolein	3.671	56	5656	29.646	ug/l	95
14) Allyl chloride	4.391	41	15096	4.693	ug/l	98
15) Acrylonitrile	5.080	53	10667	22.026	ug/l	97
16) Acetone	3.885	43	13023	30.108	ug/l #	87
17) Carbon Disulfide	4.110	76	30222	4.586	ug/l	99
18) Methyl Acetate	4.397	43	5630	4.327	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	26276	4.562	ug/l	97
20) Methylene Chloride	4.622	84	17312	7.168	ug/l	89
21) trans-1,2-Dichloroethene	5.116	96	10489	4.549	ug/l	86
22) Diisopropyl ether	6.037	45	32497	4.544	ug/l	95
23) Vinyl Acetate	5.970	43	91478	21.559	ug/l	98
24) 1,1-Dichloroethane	5.921	63	19460	4.603	ug/l	97
25) 2-Butanone	6.909	43	14423	22.605	ug/l	95
26) 2,2-Dichloropropane	6.896	77	16805	4.471	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	11906	4.467	ug/l	98
28) Bromochloromethane	7.250	49	9453	5.175	ug/l	100
29) Tetrahydrofuran	7.274	42	9377	22.781	ug/l	95
30) Chloroform	7.427	83	19302	4.620	ug/l	87
31) Cyclohexane	7.707	56	23482	5.519	ug/l #	90
32) 1,1,1-Trichloroethane	7.628	97	16476	4.413	ug/l	98
36) 1,1-Dichloropropene	7.841	75	14700	4.367	ug/l	99
37) Ethyl Acetate	6.994	43	6409m	4.326	ug/l	
38) Carbon Tetrachloride	7.823	117	14691	4.233	ug/l	95
39) Methylcyclohexane	9.109	83	20076	4.415	ug/l	95
40) Benzene	8.085	78	42926	4.326	ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	4192	4.394	ug/l	#	89
42) 1,2-Dichloroethane	8.164	62	11332	4.198	ug/l		99
43) Isopropyl Acetate	8.207	43	13330	4.117	ug/l		95
44) Trichloroethene	8.872	130	10404	4.292	ug/l		79
45) 1,2-Dichloropropane	9.146	63	9678	4.091	ug/l		100
46) Dibromomethane	9.244	93	5596	4.223	ug/l		95
47) Bromodichloromethane	9.433	83	13448	3.999	ug/l		96
48) Methyl methacrylate	9.225	41	6483	4.374	ug/l		91
49) 1,4-Dioxane	9.231	88	1356m	85.767	ug/l		
51) 4-Methyl-2-Pentanone	10.000	43	30969	19.273	ug/l		98
52) Toluene	10.170	92	25893	4.150	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	12388	3.982	ug/l		91
54) cis-1,3-Dichloropropene	9.859	75	14966	4.103	ug/l		100
55) 1,1,2-Trichloroethane	10.579	97	7318	4.385	ug/l		98
56) Ethyl methacrylate	10.445	69	9092	3.751	ug/l		94
57) 1,3-Dichloropropane	10.719	76	12648	4.255	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.719	63	24214	22.409	ug/l		97
59) 2-Hexanone	10.768	43	21243	19.832	ug/l		94
60) Dibromochloromethane	10.914	129	8781	4.152	ug/l		94
61) 1,2-Dibromoethane	11.018	107	6146	3.991	ug/l		100
64) Tetrachloroethene	10.652	164	10863	4.417	ug/l		95
65) Chlorobenzene	11.444	112	27467	4.377	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	8422	3.959	ug/l		94
67) Ethyl Benzene	11.524	91	47883	4.098	ug/l		96
68) m/p-Xylenes	11.627	106	35645	8.060	ug/l		99
69) o-Xylene	11.956	106	16866	4.075	ug/l		95
70) Styrene	11.975	104	26313	3.840	ug/l		99
71) Bromoform	12.133	173	4649	4.159	ug/l	#	97
73) Isopropylbenzene	12.255	105	44350	4.307	ug/l		100
74) N-amyl acetate	12.072	43	9632	3.699	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.505	83	7289	4.359	ug/l		96
76) 1,2,3-Trichloropropane	12.560	75	7478m	4.432	ug/l		
77) Bromobenzene	12.536	156	9241	4.234	ug/l		95
78) n-propylbenzene	12.597	91	56543	4.511	ug/l		98
79) 2-Chlorotoluene	12.682	91	30387	4.591	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	35122	4.362	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	2596	4.411	ug/l		96
82) 4-Chlorotoluene	12.780	91	30501	4.447	ug/l		99
83) tert-Butylbenzene	12.999	119	31232	4.252	ug/l		96
84) 1,2,4-Trimethylbenzene	13.042	105	34752	4.314	ug/l		100
85) sec-Butylbenzene	13.176	105	49546	4.449	ug/l		99
86) p-Isopropyltoluene	13.292	119	38822	4.240	ug/l		98
87) 1,3-Dichlorobenzene	13.292	146	19350	4.431	ug/l		97
88) 1,4-Dichlorobenzene	13.371	146	19268	4.529	ug/l		91
89) n-Butylbenzene	13.615	91	37774	4.333	ug/l		100
90) Hexachloroethane	13.883	117	8072	4.506	ug/l		98
91) 1,2-Dichlorobenzene	13.664	146	15922	4.244	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	949	3.754	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	8529	4.159	ug/l		95
94) Hexachlorobutadiene	15.023	225	5627	5.024	ug/l		98
95) Naphthalene	15.145	128	15167	3.859	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	7952	4.563	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

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

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

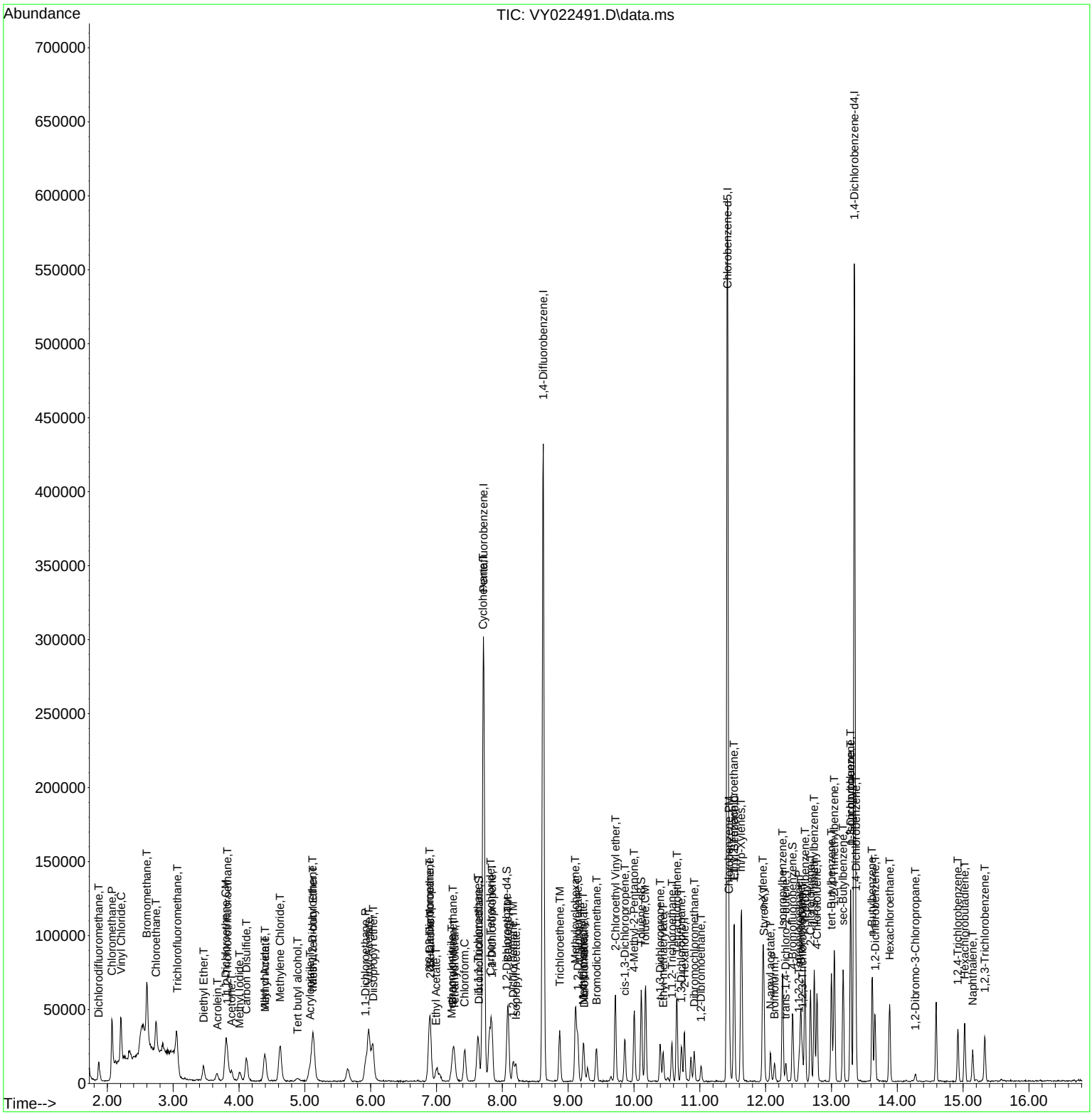
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

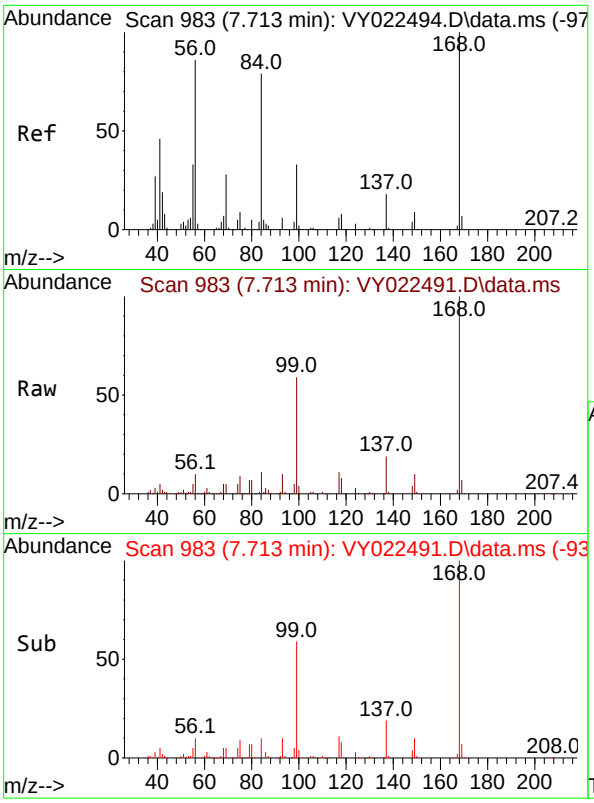
Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

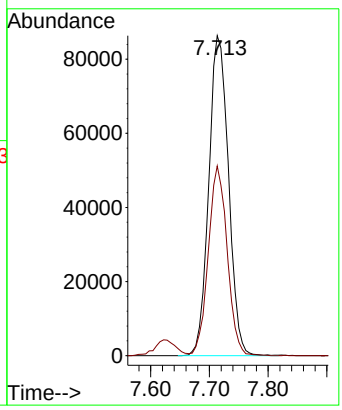




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:168 Resp: 20108

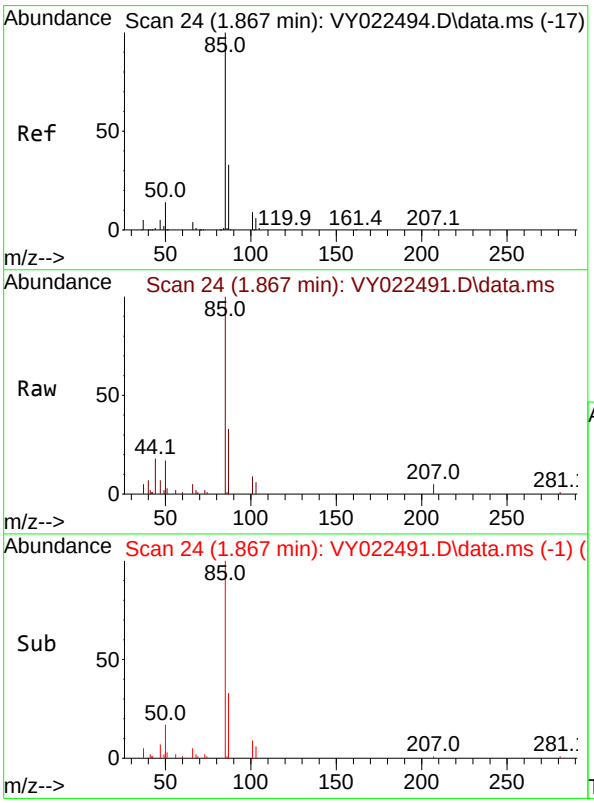
Ion	Ratio	Lower	Upper
168	100		
99	59.3	44.3	66.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

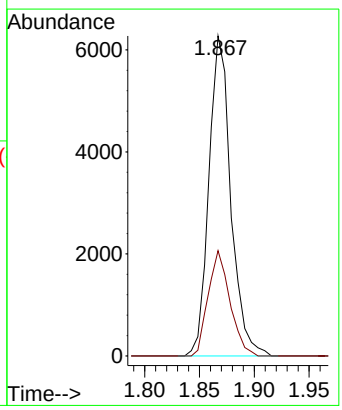
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

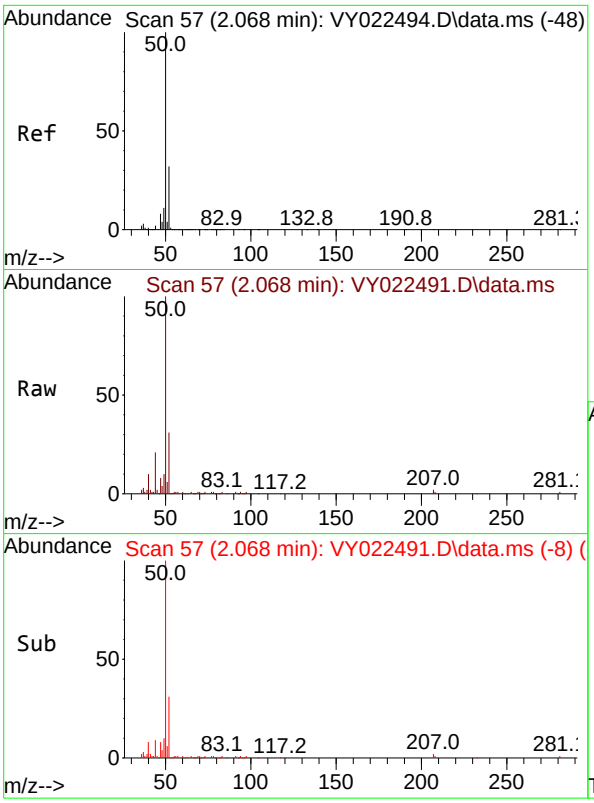


#2
Dichlorodifluoromethane
Concen: 4.961 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 85 Resp: 8717

Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.7	50.0

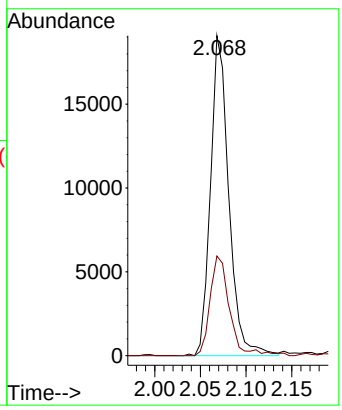




#3
Chloromethane
Concen: 5.119 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 50 Resp: 2653

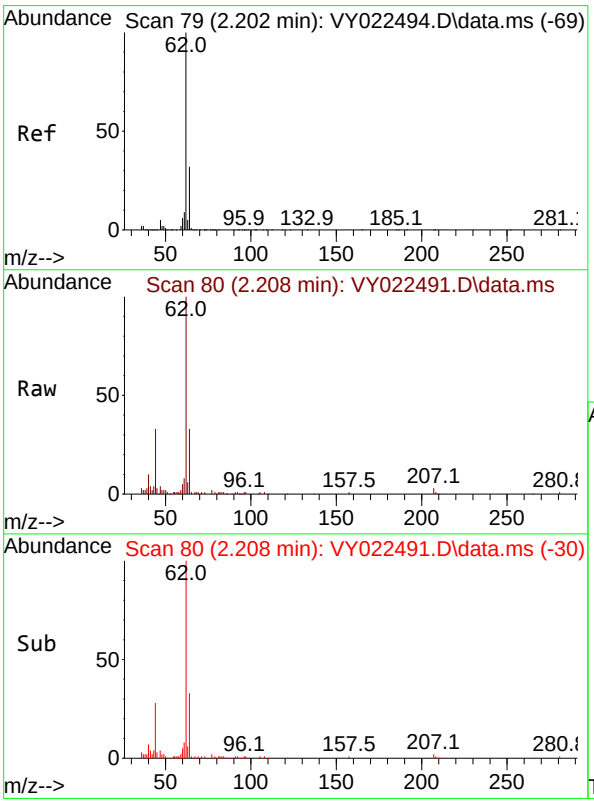
Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

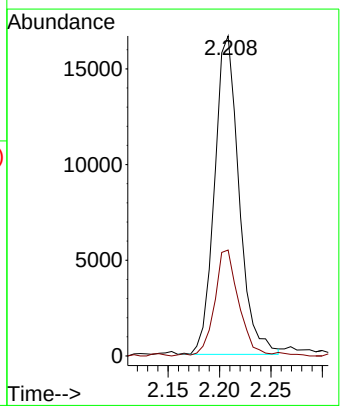
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

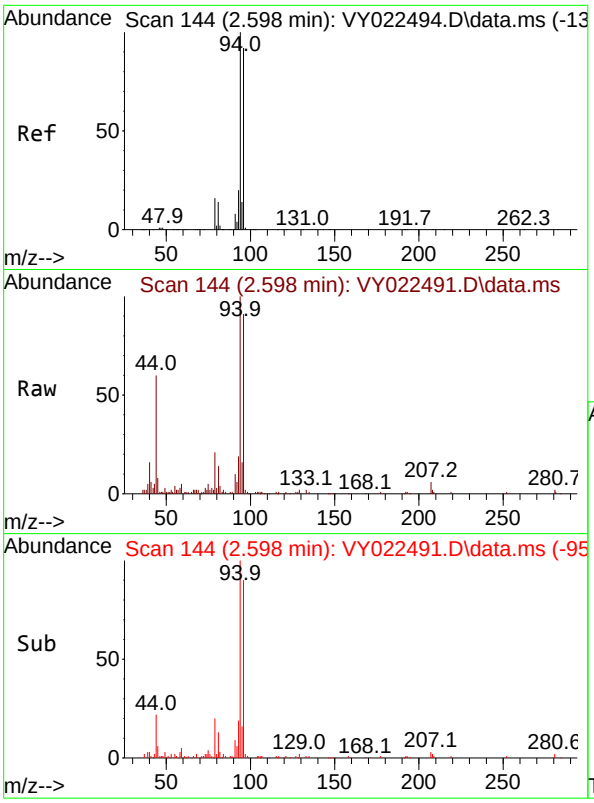


#4
Vinyl Chloride
Concen: 4.544 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 62 Resp: 27572

Ion	Ratio	Lower	Upper
62	100		
64	32.9	25.3	37.9





#5
Bromomethane
Concen: 4.784 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

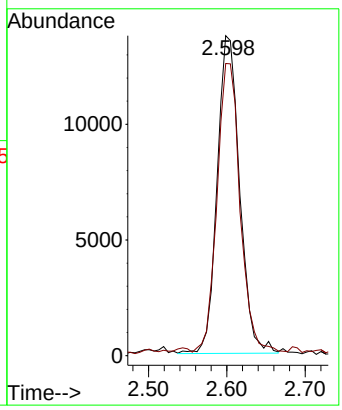
Tgt Ion: 94 Resp: 2745

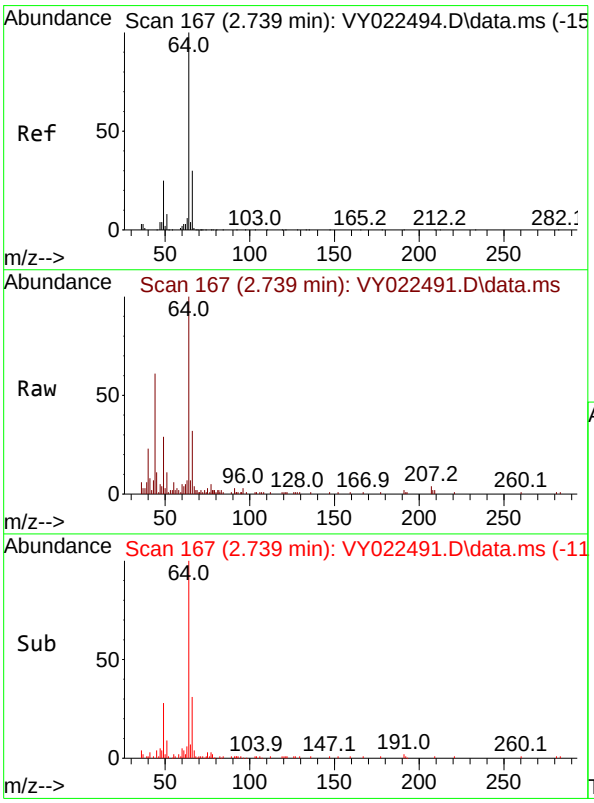
Ion	Ratio	Lower	Upper
94	100		
96	90.5	74.0	111.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

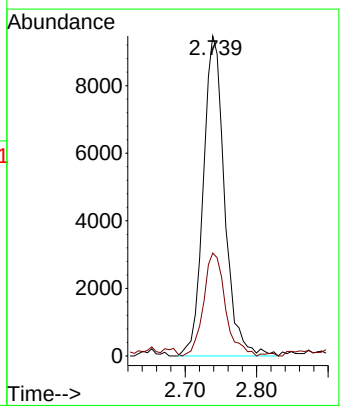


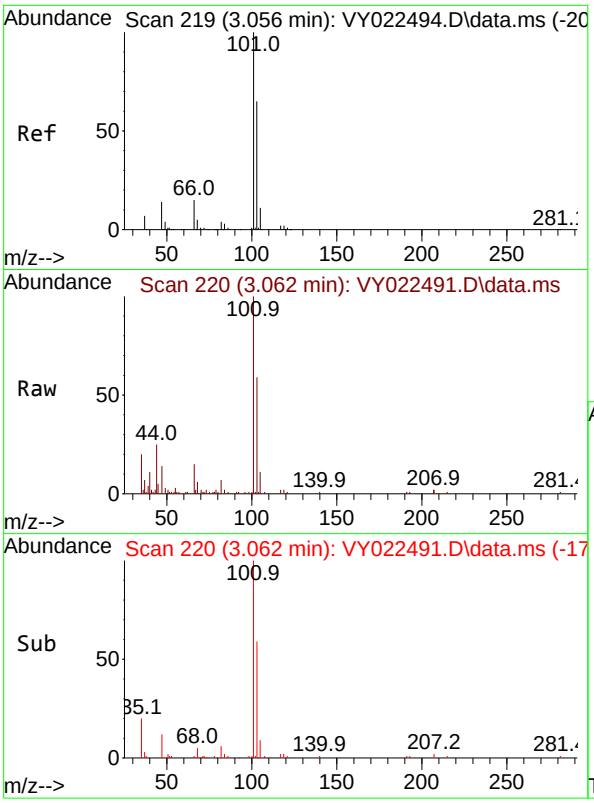


#6
Chloroethane
Concen: 4.710 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 64 Resp: 19566

Ion	Ratio	Lower	Upper
64	100		
66	32.1	23.8	35.6

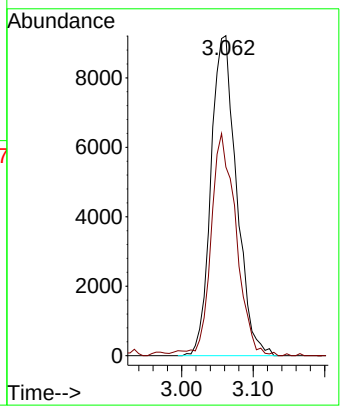




#7
Trichlorofluoromethane
Concen: 4.428 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:101 Resp: 2282

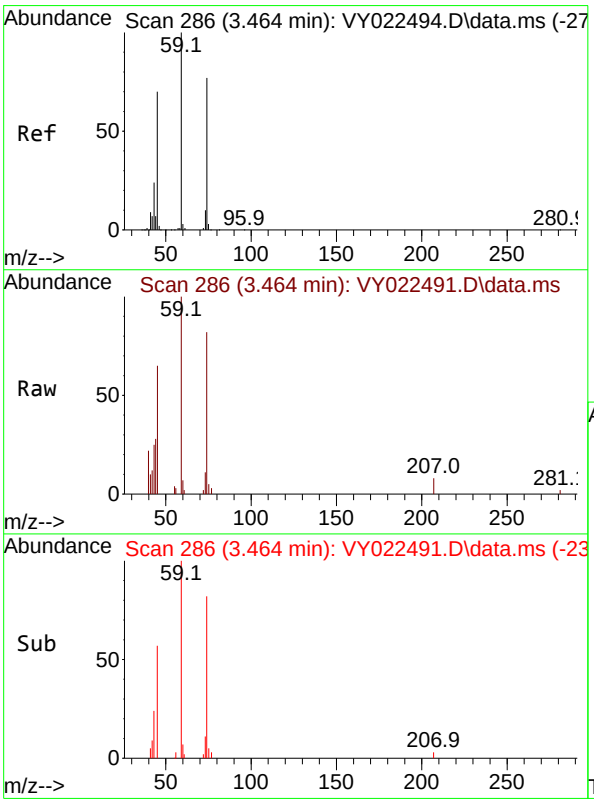
Ion	Ratio	Lower	Upper
101	100		
103	59.0	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

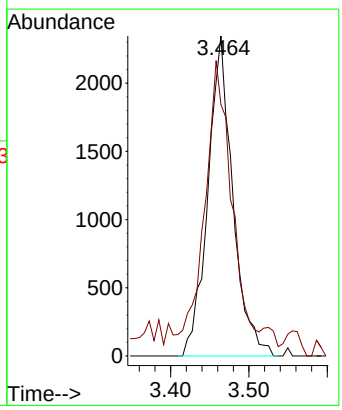
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

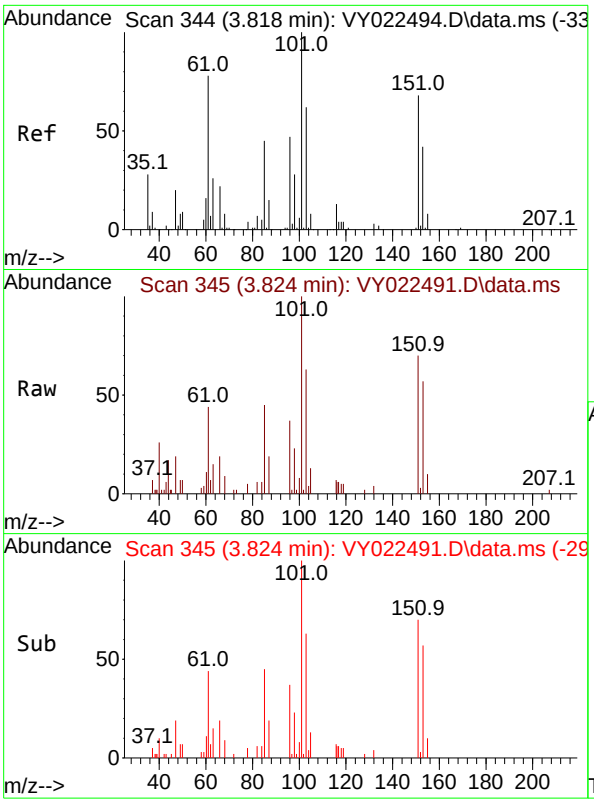


#8
Diethyl Ether
Concen: 4.553 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 74 Resp: 5184

Ion	Ratio	Lower	Upper
74	100		
45	98.9	45.9	137.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.744 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

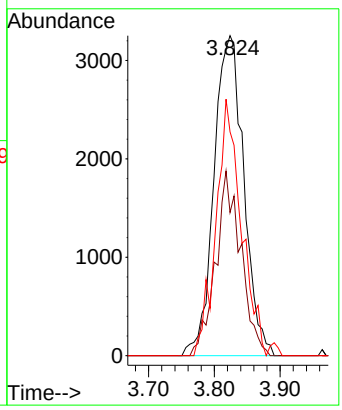
Tgt Ion:101 Resp: 1025

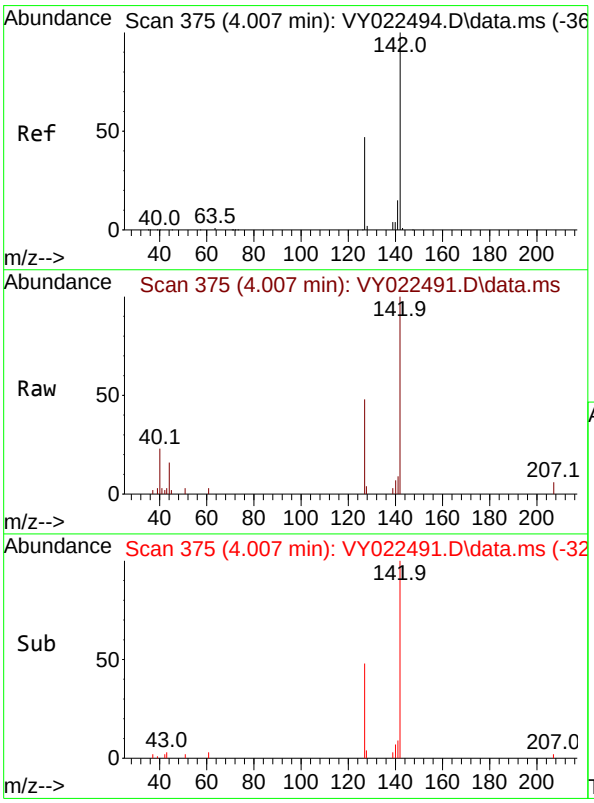
Ion	Ratio	Lower	Upper
101	100		
85	48.8	39.3	58.9
151	67.9	57.8	86.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

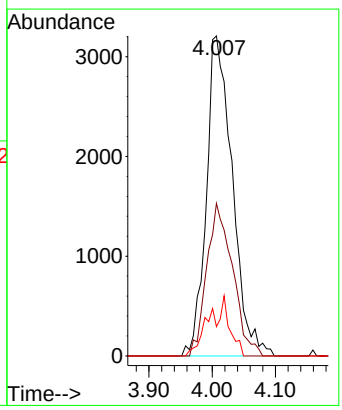


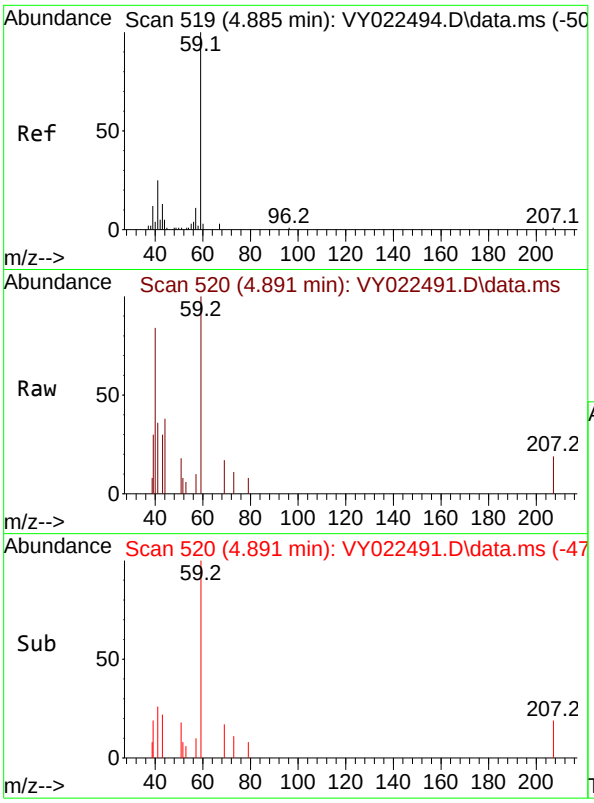


#10
Methyl Iodide
Concen: 3.956 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:142 Resp: 9174

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.1	55.7
141	7.8	11.4	17.2#

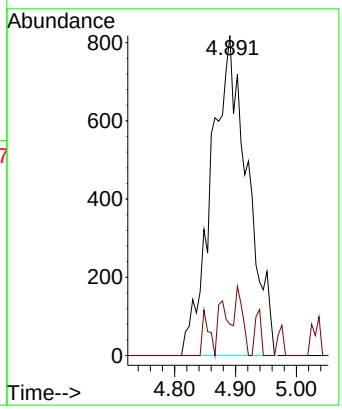




#11
Tert butyl alcohol
Concen: 21.587 ug/l
RT: 4.891 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 59 Resp: 337

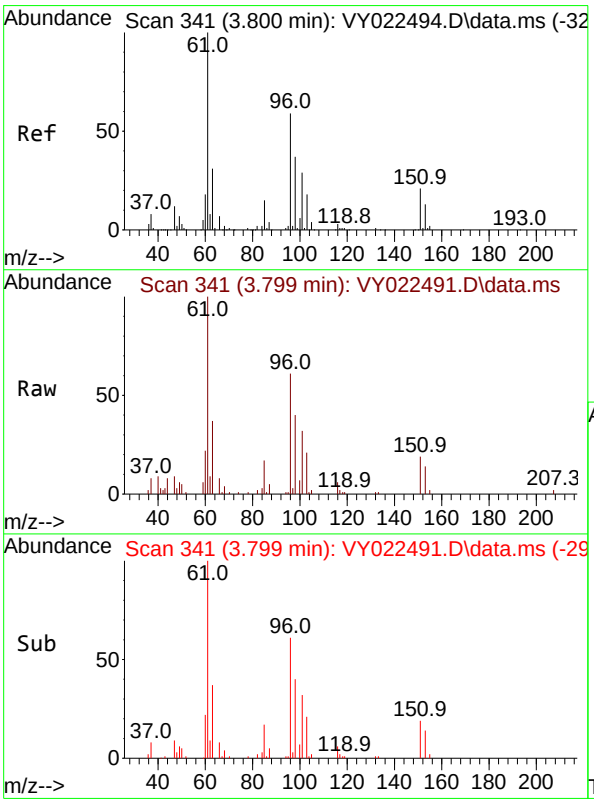
Ion	Ratio	Lower	Upper
59	100		
57	5.6	8.0	12.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

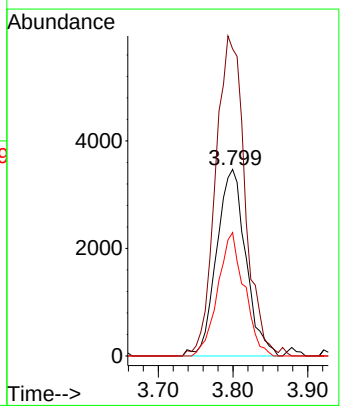
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

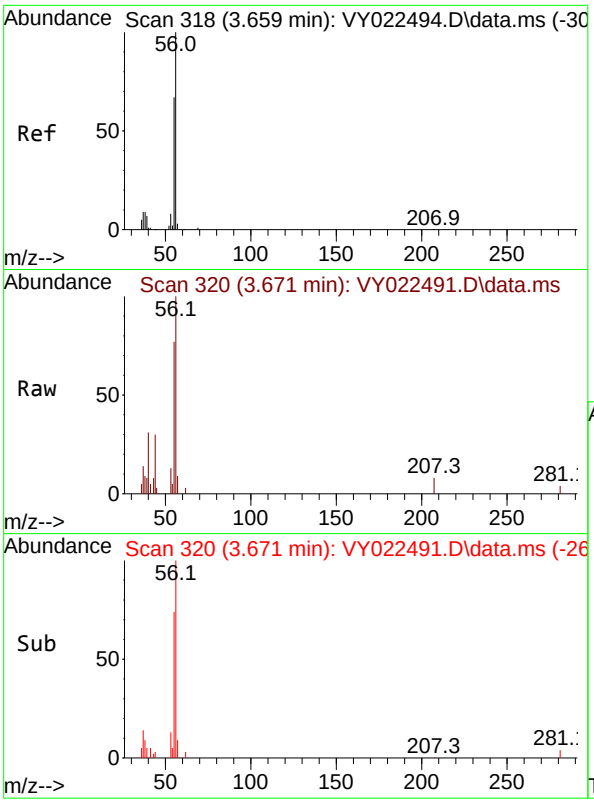


#12
1,1-Dichloroethene
Concen: 4.573 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 96 Resp: 9440

Ion	Ratio	Lower	Upper
96	100		
61	164.6	134.6	201.8
98	66.2	50.2	75.4

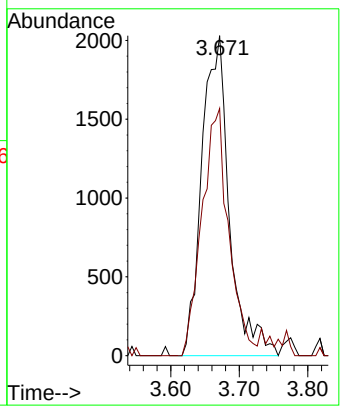




#13
Acrolein
Concen: 29.646 ug/l
RT: 3.671 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 56 Resp: 565

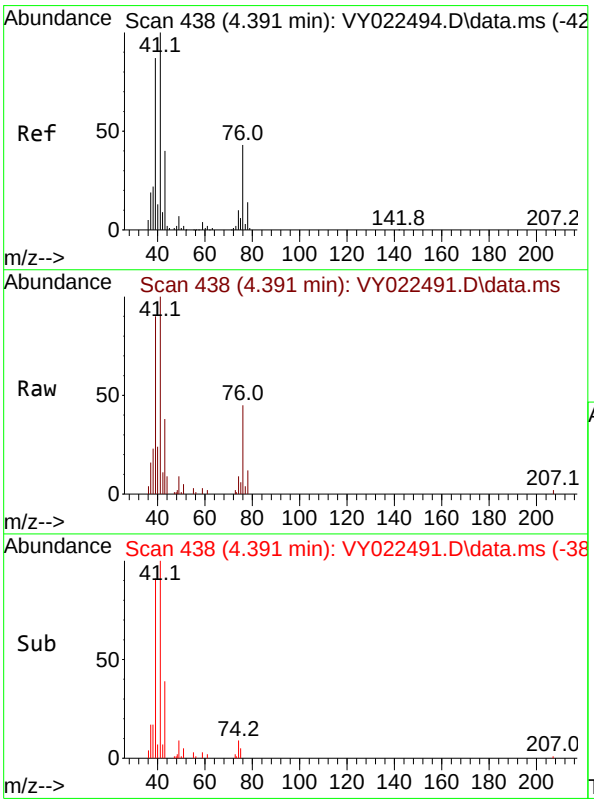
Ion	Ratio	Lower	Upper
56	100		
55	75.3	57.0	85.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

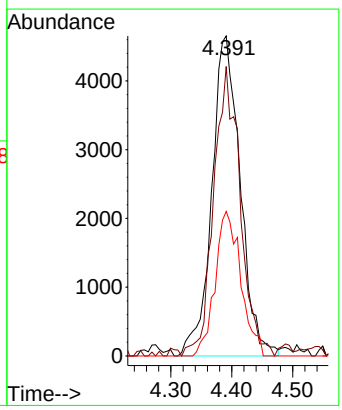
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

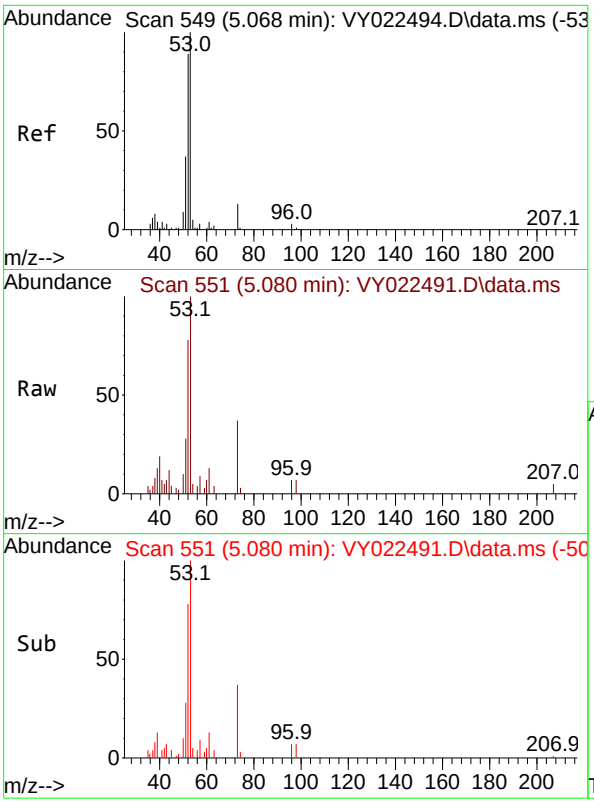


#14
Allyl chloride
Concen: 4.693 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 41 Resp: 15096

Ion	Ratio	Lower	Upper
41	100		
39	84.0	69.1	103.7
76	40.8	33.5	50.3





#15
Acrylonitrile
Concen: 22.026 ug/l
RT: 5.080 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

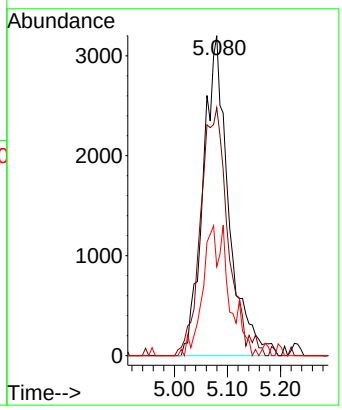
Tgt Ion: 53 Resp: 1066

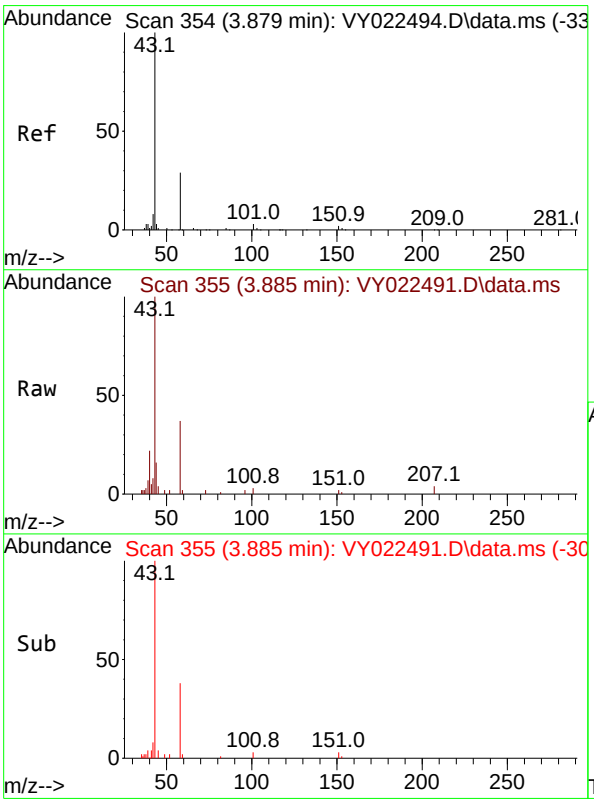
Ion	Ratio	Lower	Upper
53	100		
52	83.8	65.7	98.5
51	41.4	30.1	45.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

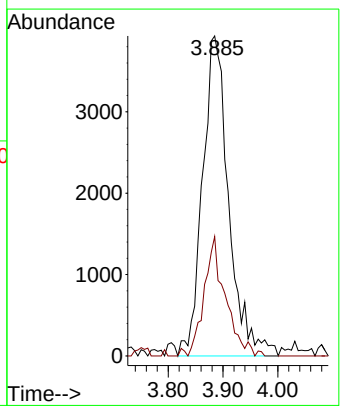


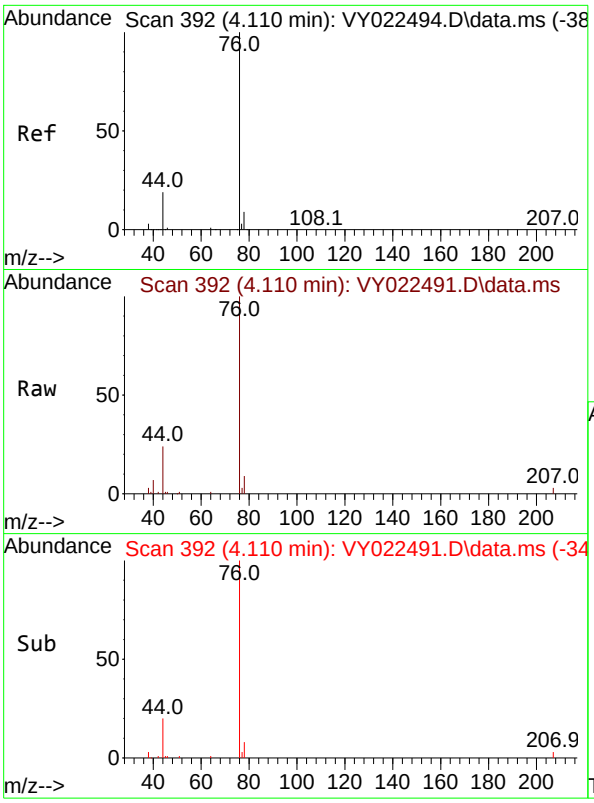


#16
Acetone
Concen: 30.108 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 43 Resp: 13023

Ion	Ratio	Lower	Upper
43	100		
58	37.3	24.0	36.0#





#17
Carbon Disulfide
Concen: 4.586 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

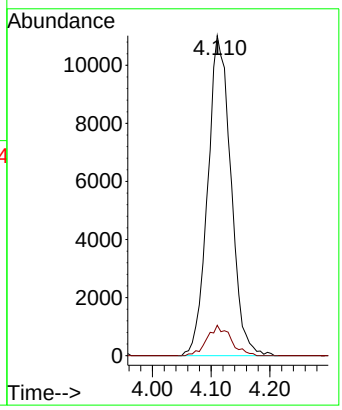
Tgt Ion: 76 Resp: 3022

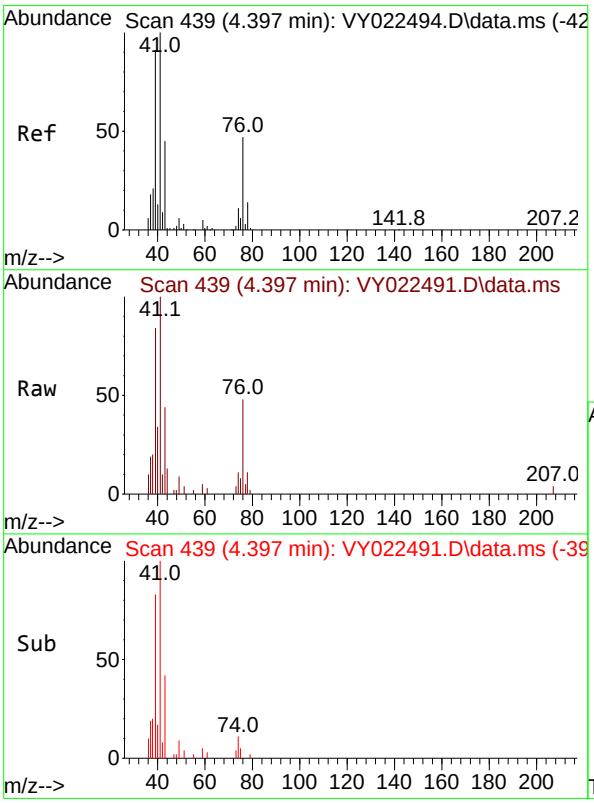
Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

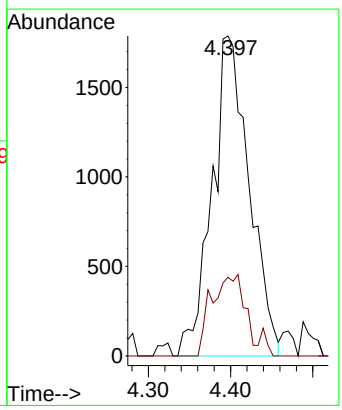


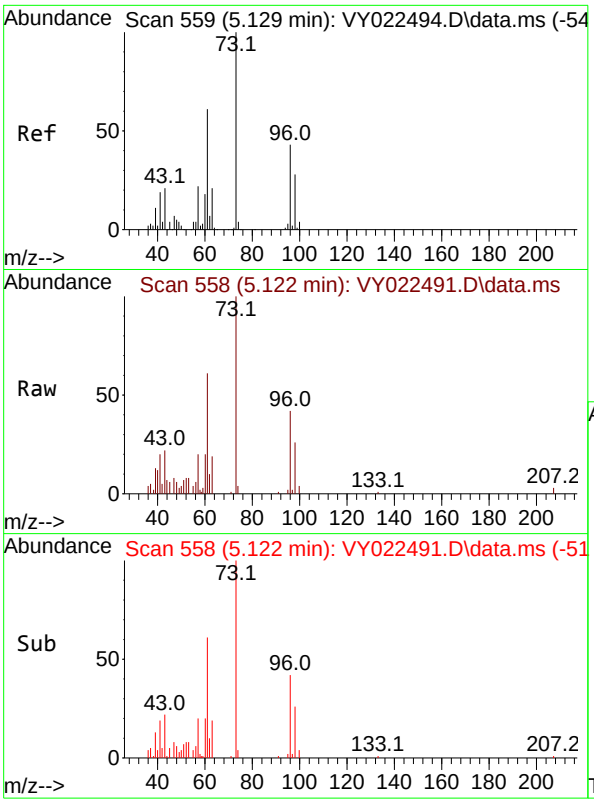


#18
Methyl Acetate
Concen: 4.327 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 43 Resp: 5630

Ion	Ratio	Lower	Upper
43	100		
74	22.8	19.8	29.6

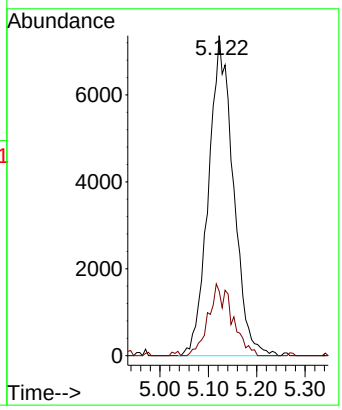




#19
Methyl tert-butyl Ether
Concen: 4.562 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 73 Resp: 2627

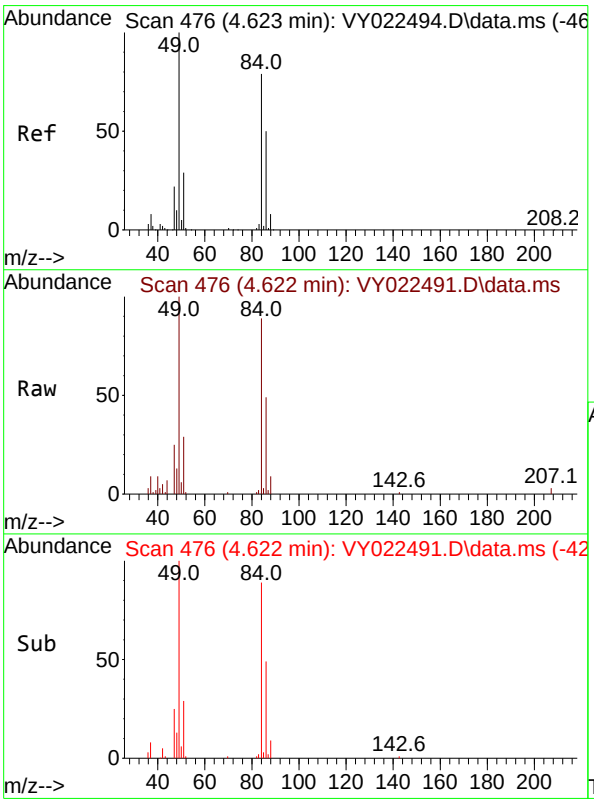
Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

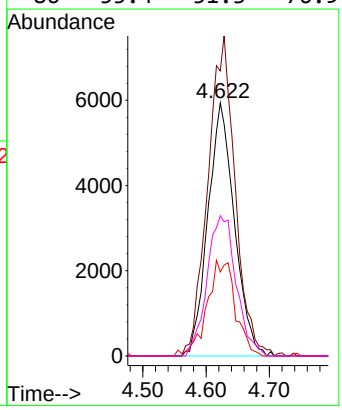
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

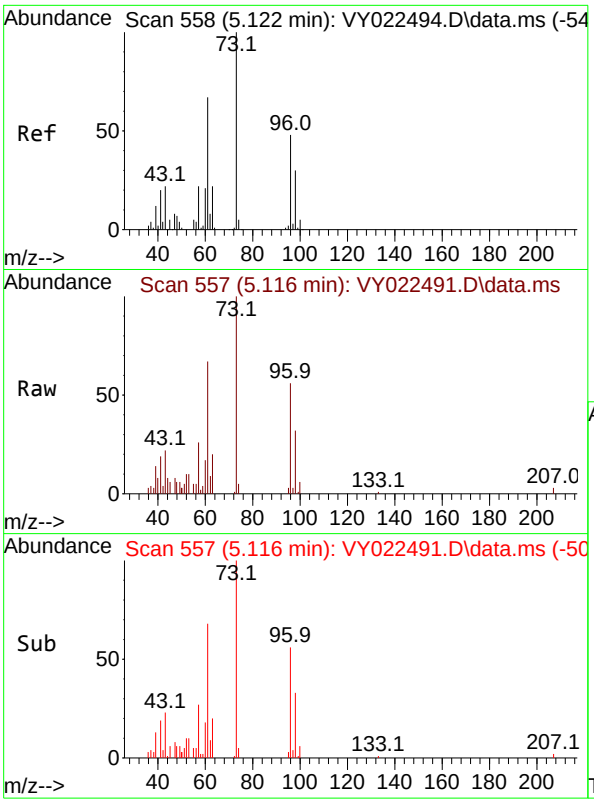


#20
Methylene Chloride
Concen: 7.168 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 84 Resp: 17312

Ion	Ratio	Lower	Upper
84	100		
49	112.6	101.9	152.9
51	33.2	29.8	44.8
86	55.4	51.3	76.9





#21
trans-1,2-Dichloroethene
Concen: 4.549 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

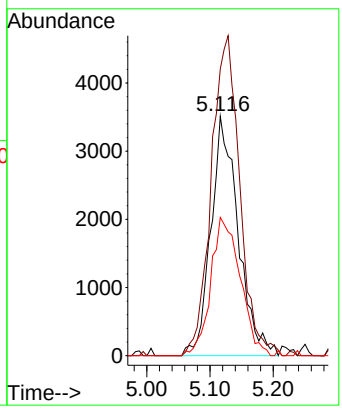
Tgt Ion: 96 Resp: 1048

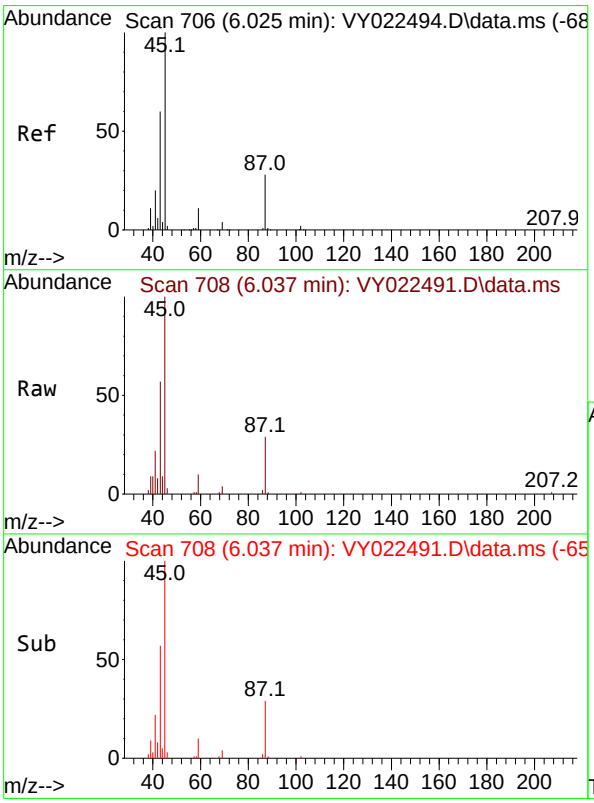
Ion	Ratio	Lower	Upper
96	100		
61	119.8	112.6	169.0
98	57.7	50.6	75.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

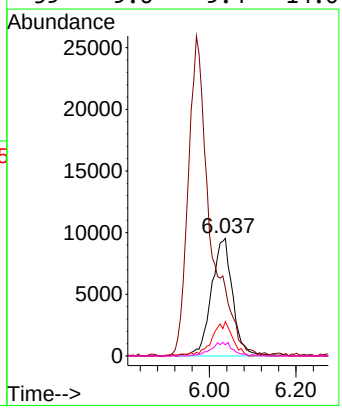


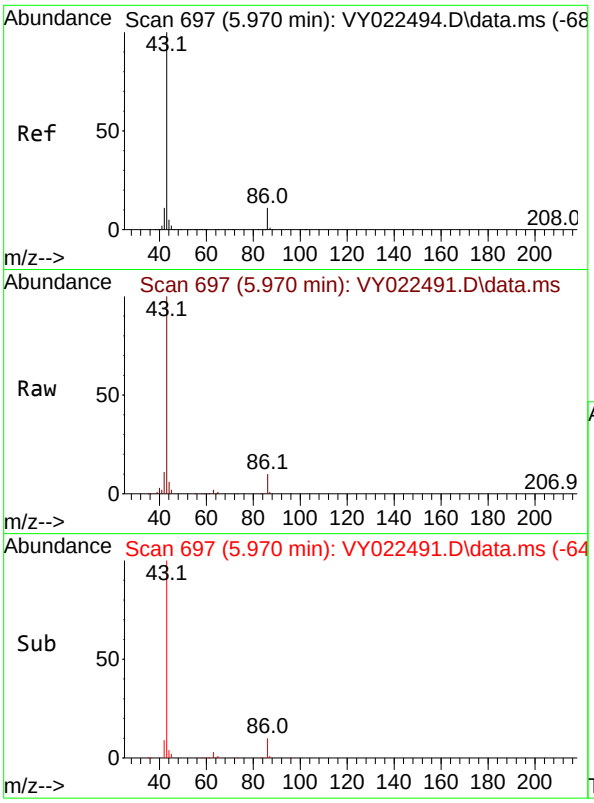


#22
Diisopropyl ether
Concen: 4.544 ug/l
RT: 6.037 min Scan# 708
Delta R.T. 0.012 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 45 Resp: 32497

Ion	Ratio	Lower	Upper
45	100		
43	55.1	48.3	72.5
87	29.3	23.0	34.6
59	9.6	9.4	14.0





#23
Vinyl Acetate
Concen: 21.559 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

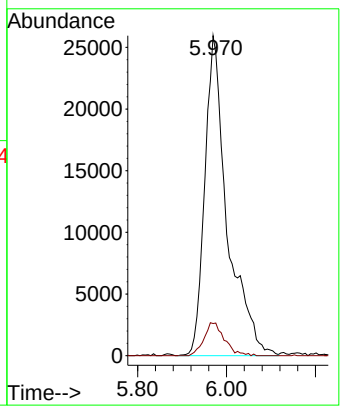
Tgt Ion: 43 Resp: 9147

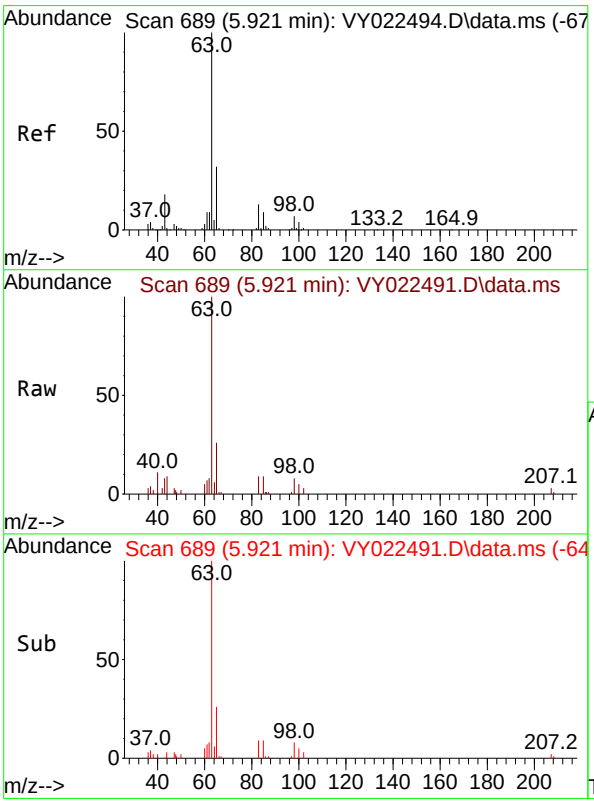
Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.6	12.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

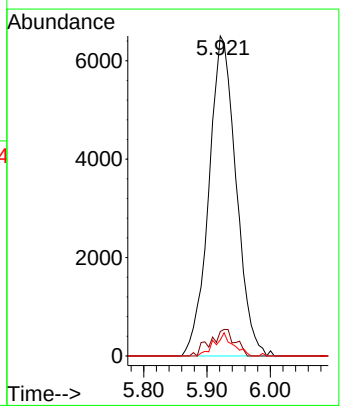


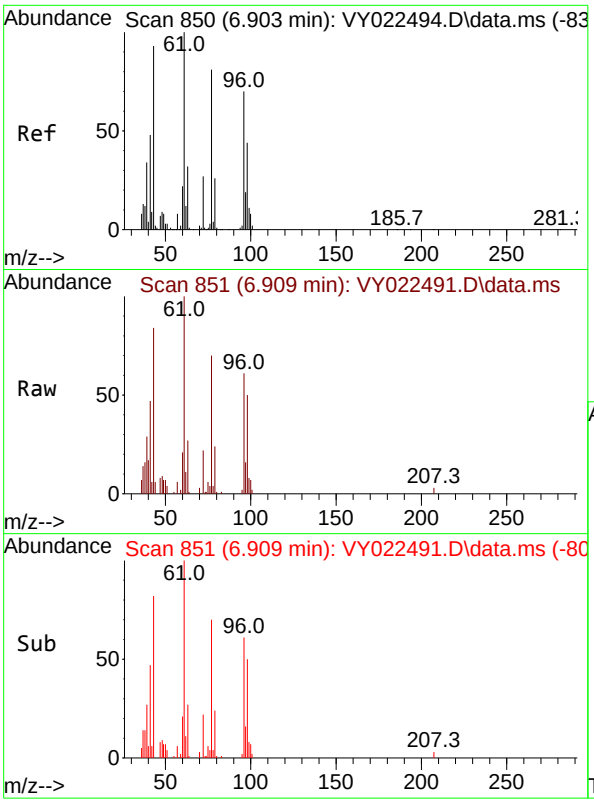


#24
1,1-Dichloroethane
Concen: 4.603 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 63 Resp: 19460

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.4	10.1
100	5.0	2.1	6.3





#25
2-Butanone
Concen: 22.605 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

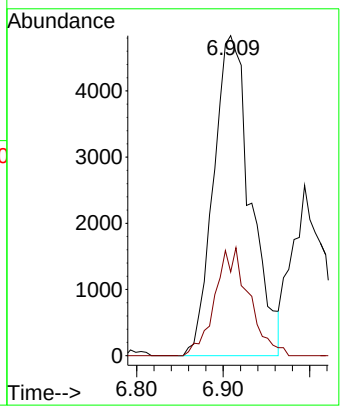
Tgt Ion: 43 Resp: 1442

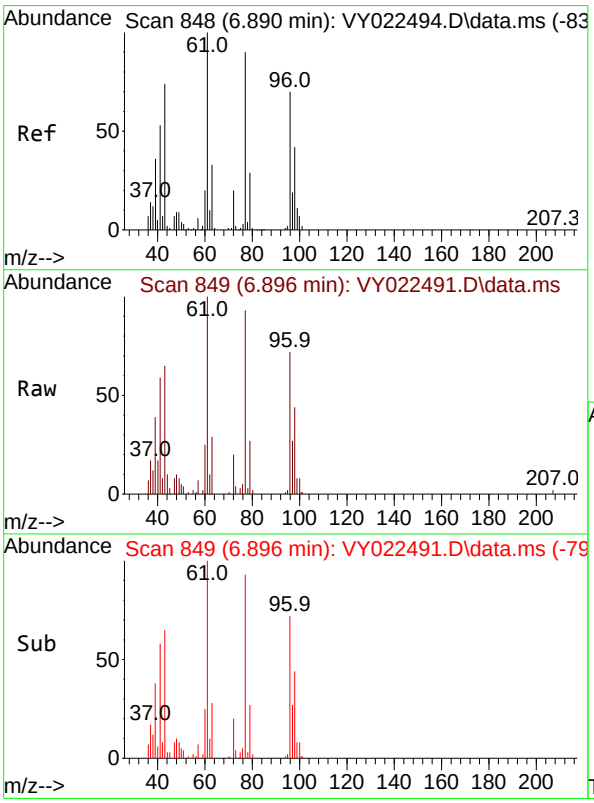
Ion	Ratio	Lower	Upper
43	100		
72	26.2	22.9	34.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

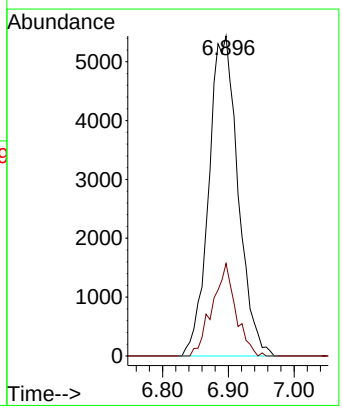


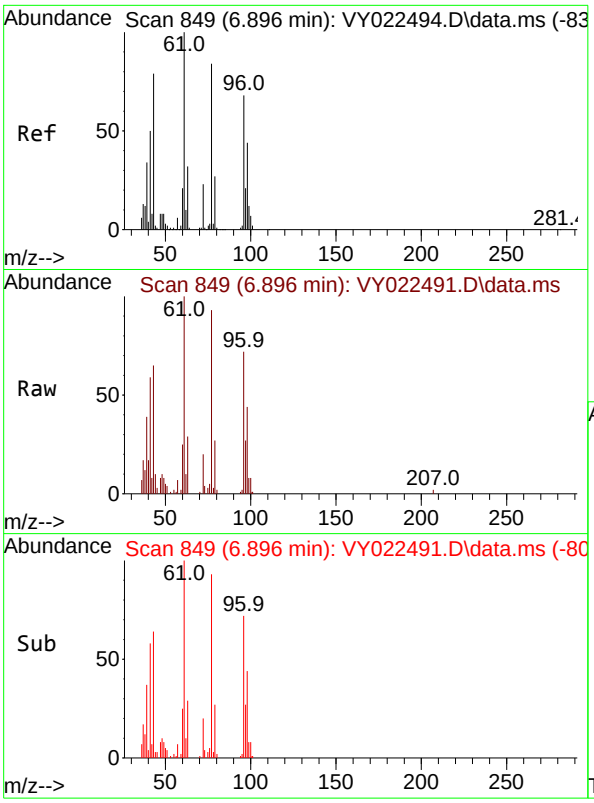


#26
2,2-Dichloropropane
Concen: 4.471 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 77 Resp: 16805

Ion	Ratio	Lower	Upper
77	100		
97	23.2	11.4	34.2





#27
cis-1,2-Dichloroethene
Concen: 4.467 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

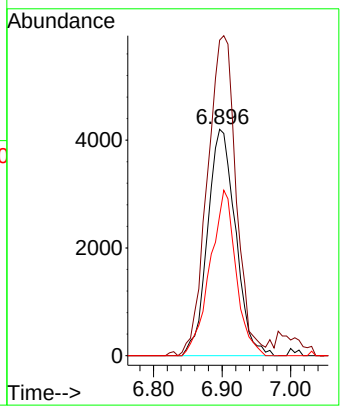
Tgt Ion: 96 Resp: 1190

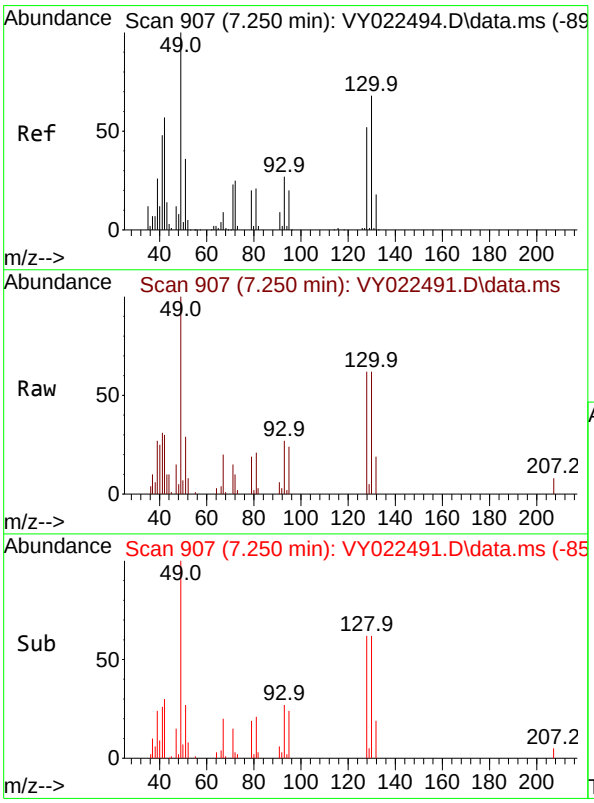
Ion	Ratio	Lower	Upper
96	100		
61	146.0	0.0	290.0
98	67.8	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

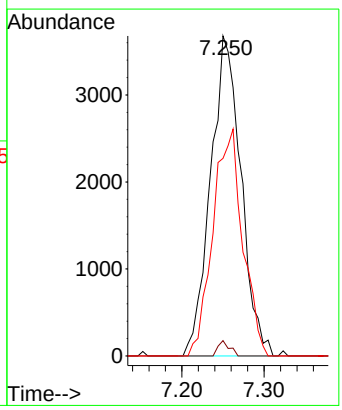


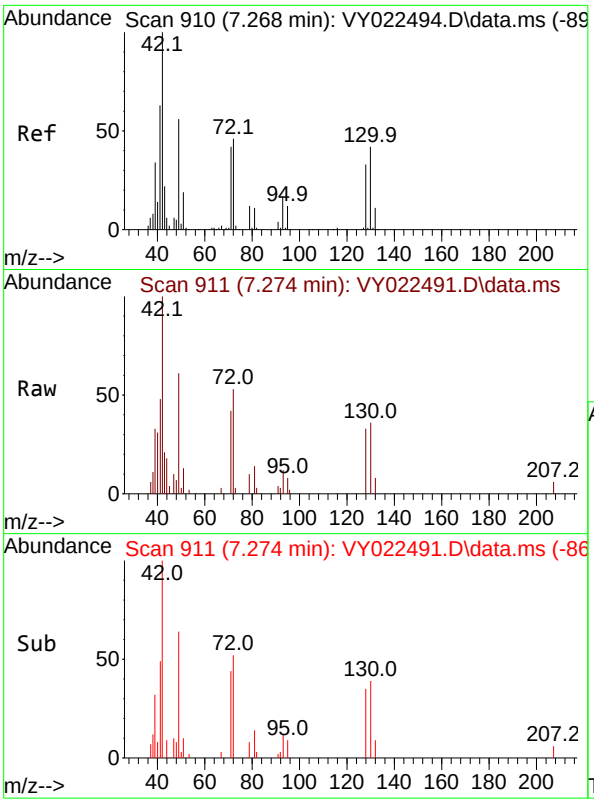


#28
Bromochloromethane
Concen: 5.175 ug/l
RT: 7.250 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 49 Resp: 9453

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	69.5	55.7	83.5

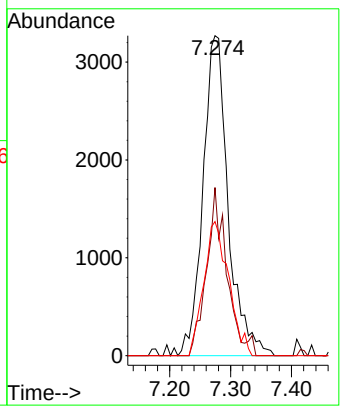




#29
Tetrahydrofuran
Concen: 22.781 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 42 Resp: 937

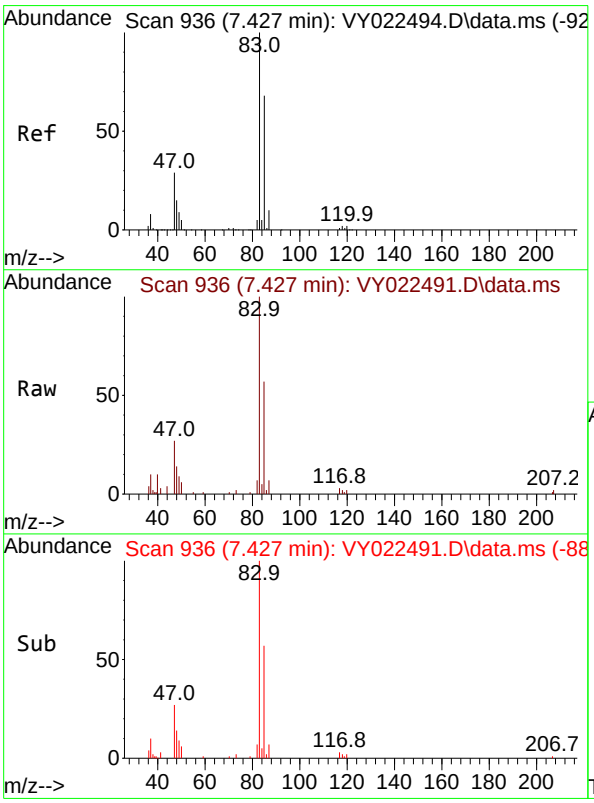
Ion	Ratio	Lower	Upper
42	100		
72	41.4	37.4	56.2
71	41.5	34.2	51.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

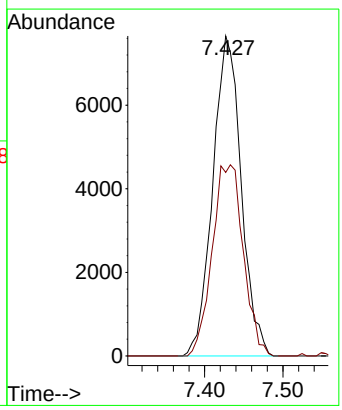
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

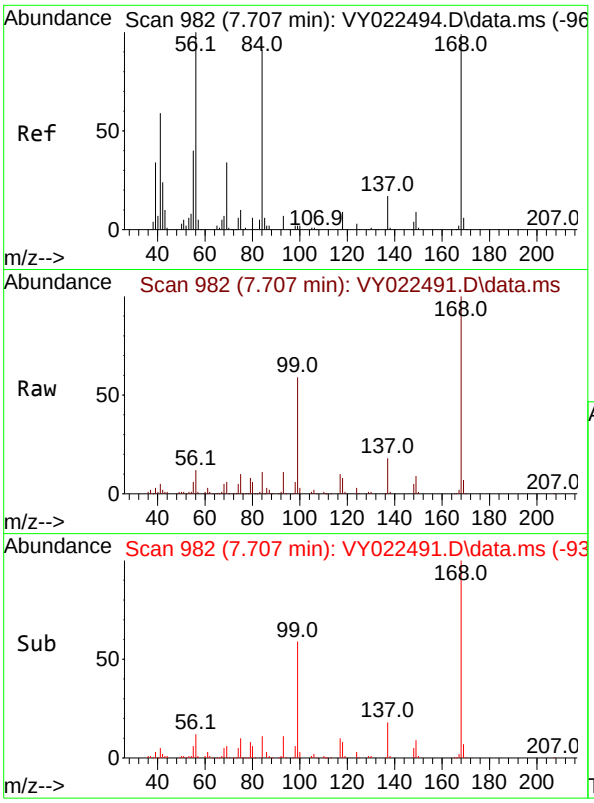


#30
Chloroform
Concen: 4.620 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 83 Resp: 19302

Ion	Ratio	Lower	Upper
83	100		
85	57.4	54.2	81.4





#31
Cyclohexane
Concen: 5.519 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

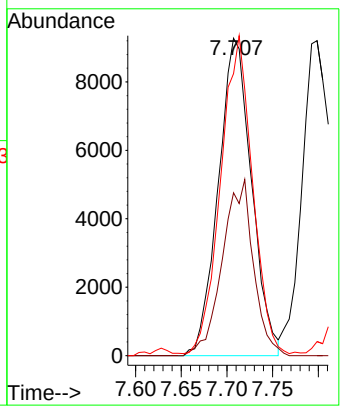
Tgt Ion: 56 Resp: 2348

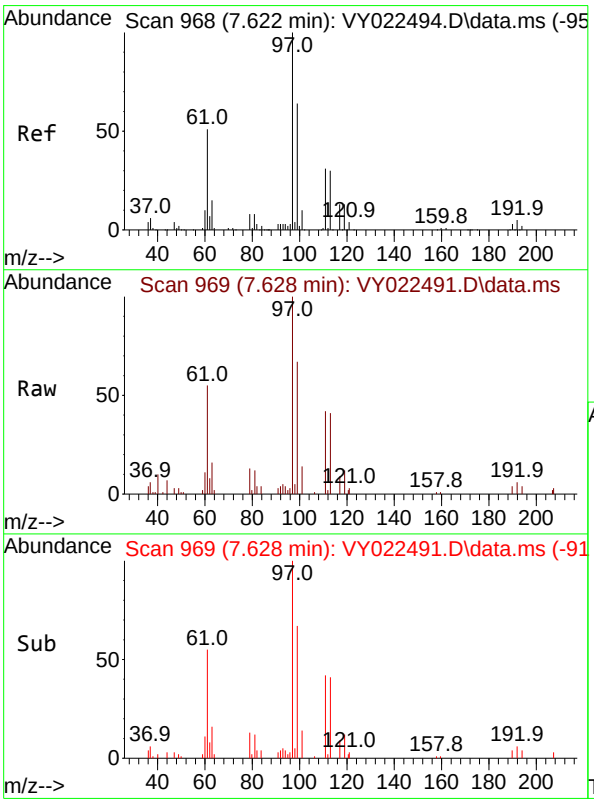
Ion	Ratio	Lower	Upper
56	100		
69	51.3	27.0	40.6
84	88.1	72.6	109.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

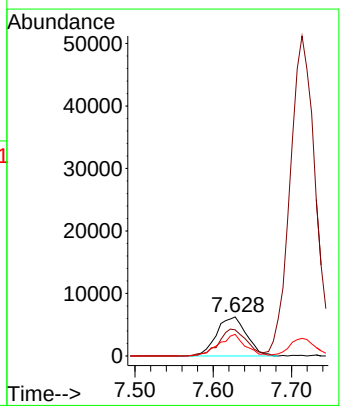


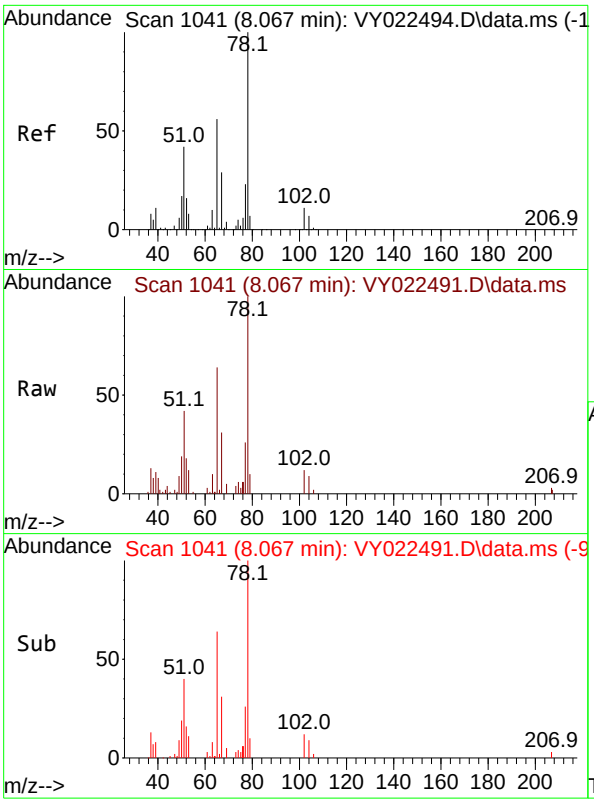


#32
1,1,1-Trichloroethane
Concen: 4.413 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 97 Resp: 16476

Ion	Ratio	Lower	Upper
97	100		
99	65.1	50.9	76.3
61	48.9	38.5	57.7

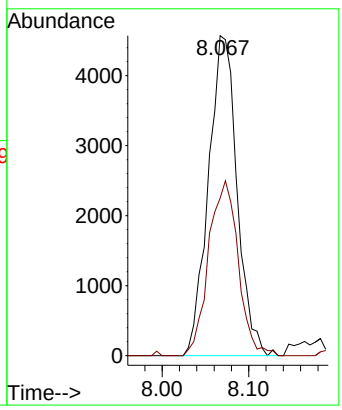




#33
1,2-Dichloroethane-d4
Concen: 4.802 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 65 Resp: 1050

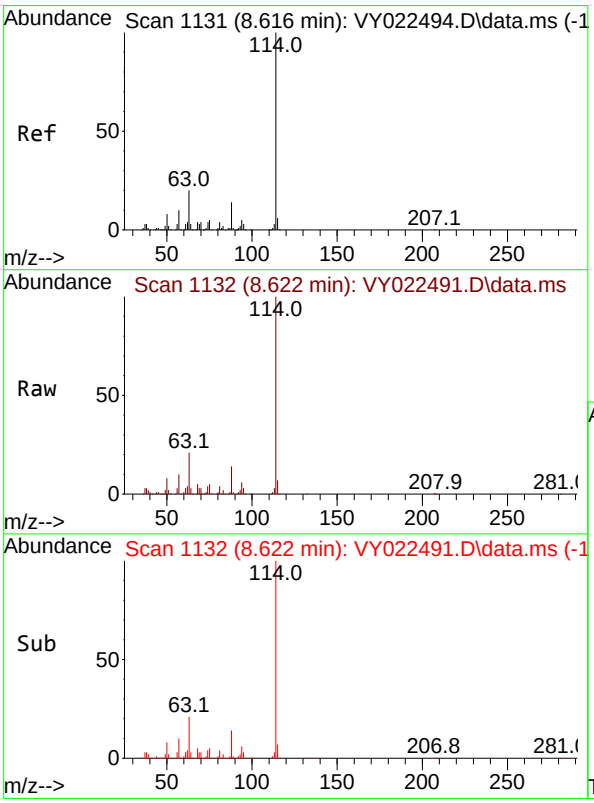
Ion	Ratio	Lower	Upper
65	100		
67	56.3	0.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

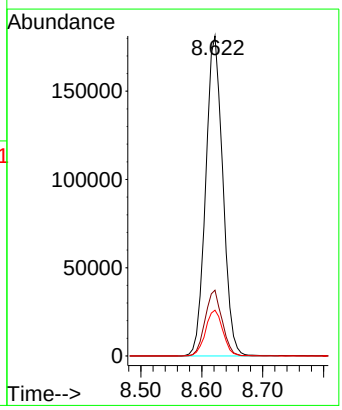
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

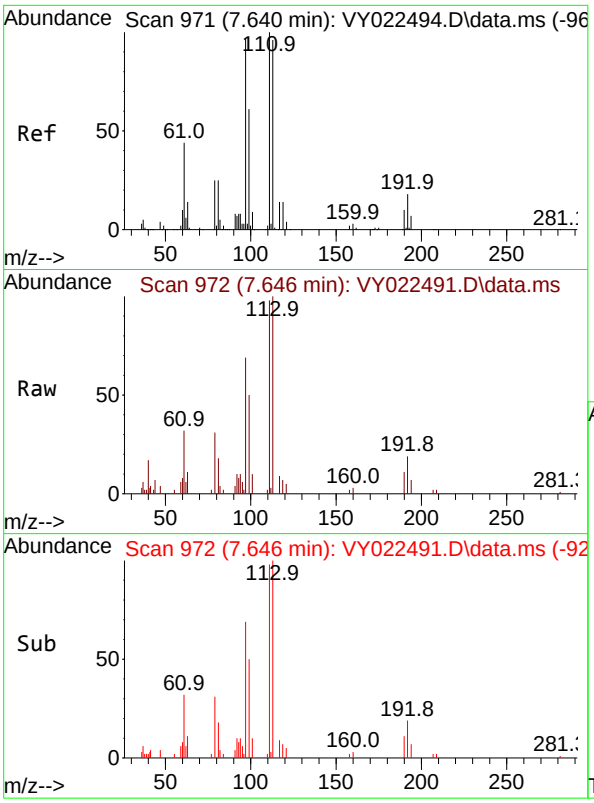


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:114 Resp: 353755

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	14.3	0.0	27.8





#35
Dibromofluoromethane
Concen: 4.477 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

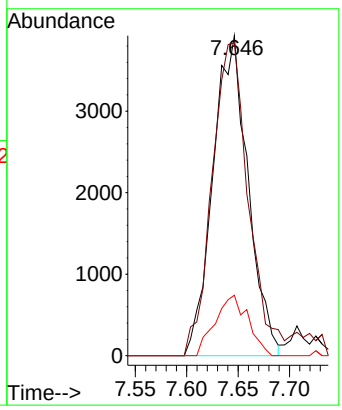
Tgt Ion:113 Resp: 932

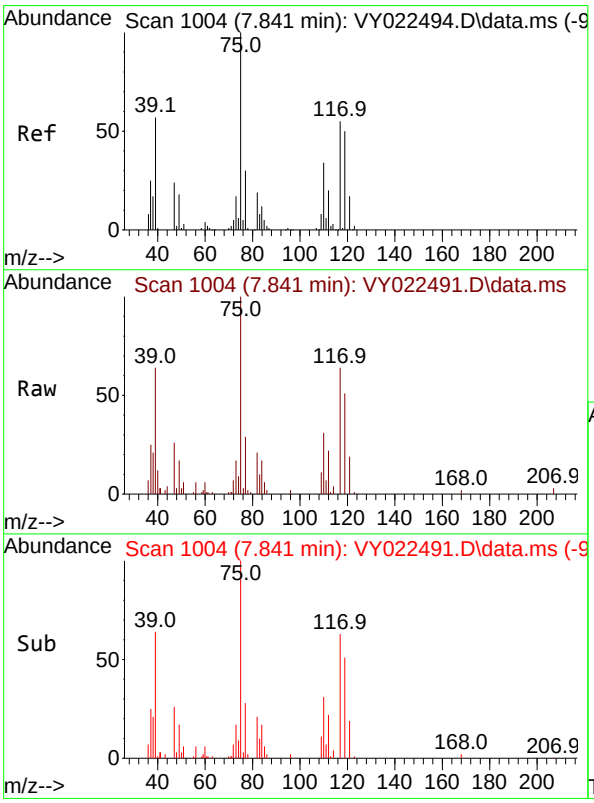
Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.1	121.7
192	17.8	14.2	21.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

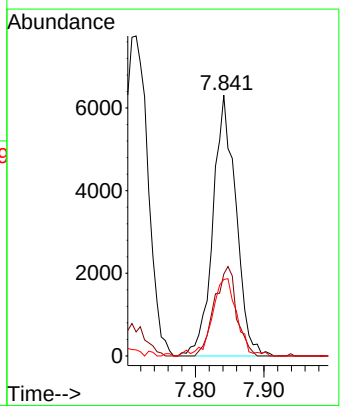


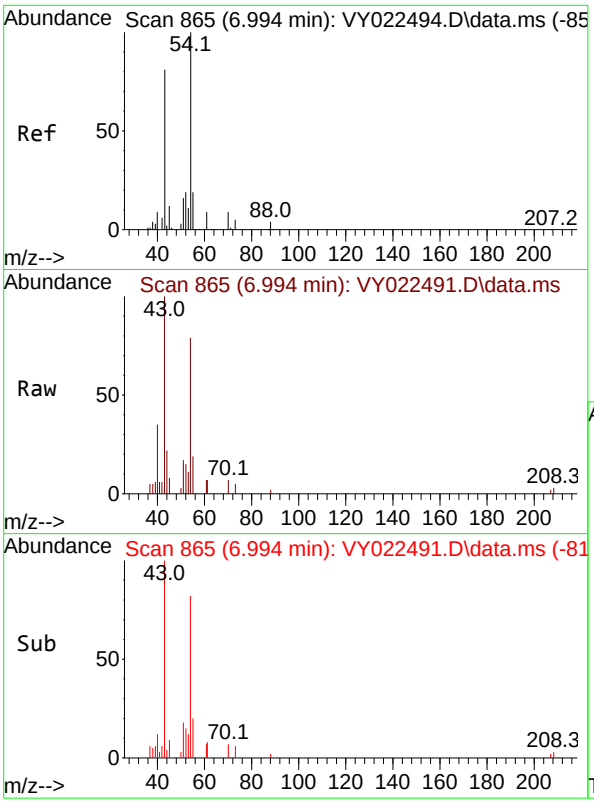


#36
1,1-Dichloropropene
Concen: 4.367 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 75 Resp: 14700

Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.9	50.7
77	32.0	24.8	37.2

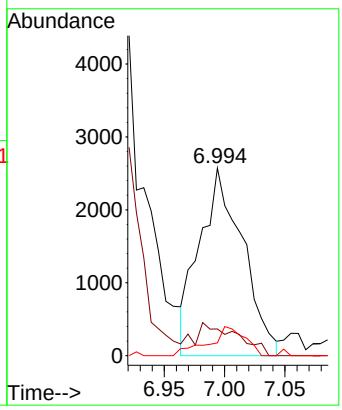




#37
Ethyl Acetate
Concen: 4.326 ug/l m
RT: 6.994 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 43 Resp: 640

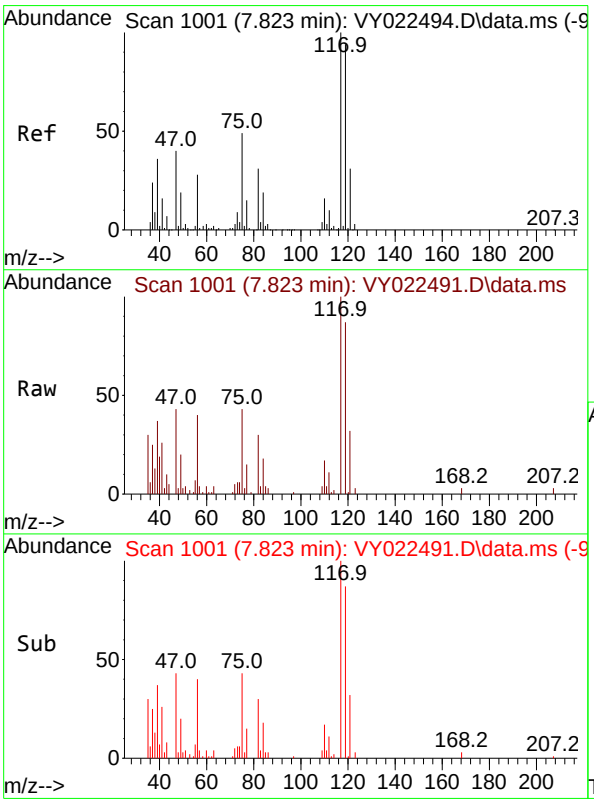
Ion	Ratio	Lower	Upper
43	100		
61	17.3	11.5	17.3#
70	12.8	7.2	10.8#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

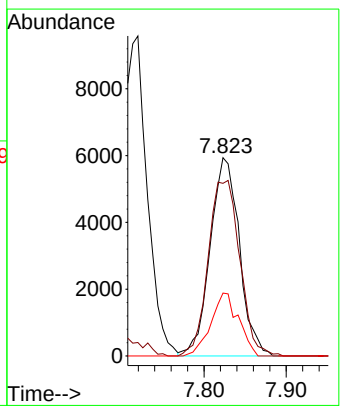
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

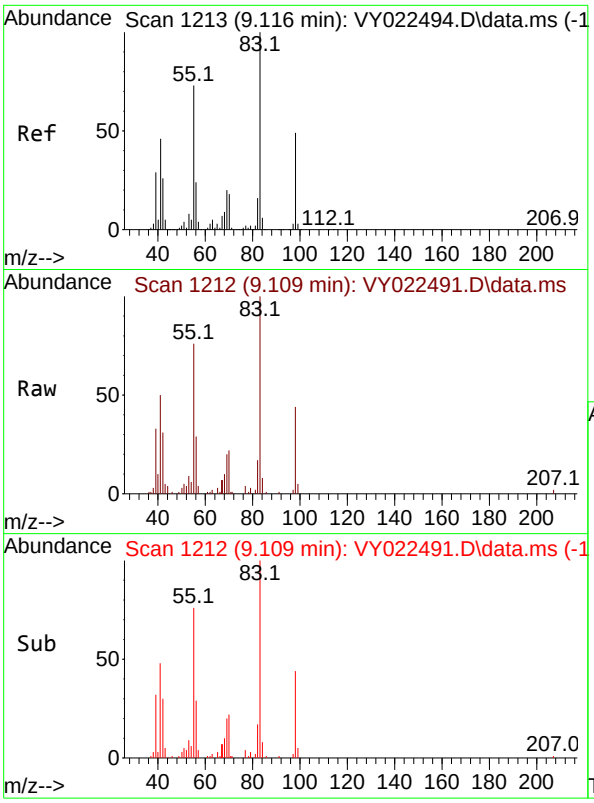


#38
Carbon Tetrachloride
Concen: 4.233 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:117 Resp: 14691

Ion	Ratio	Lower	Upper
117	100		
119	87.1	75.0	112.6
121	31.7	25.0	37.4

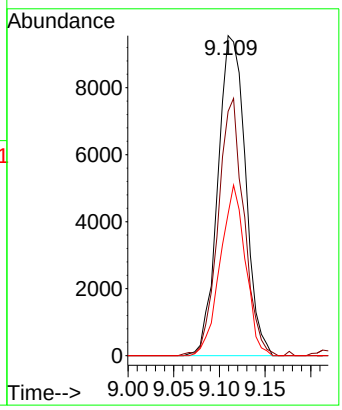




#39
Methylcyclohexane
Concen: 4.415 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 83 Resp: 2007

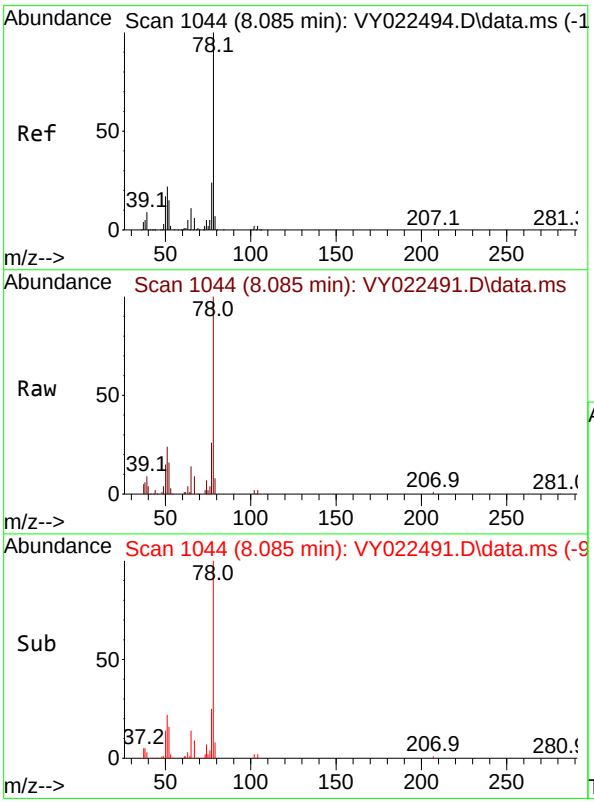
Ion	Ratio	Lower	Upper
83	100		
55	76.4	58.1	87.1
98	44.4	39.0	58.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

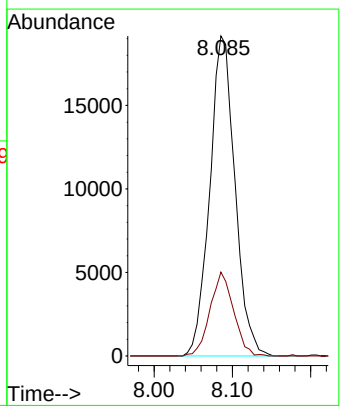
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

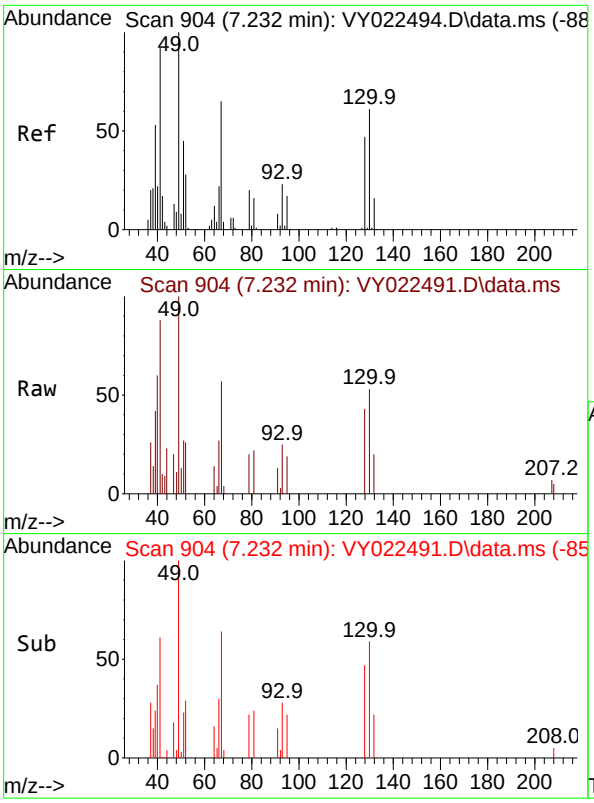


#40
Benzene
Concen: 4.326 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 78 Resp: 42926

Ion	Ratio	Lower	Upper
78	100		
77	26.2	19.3	28.9

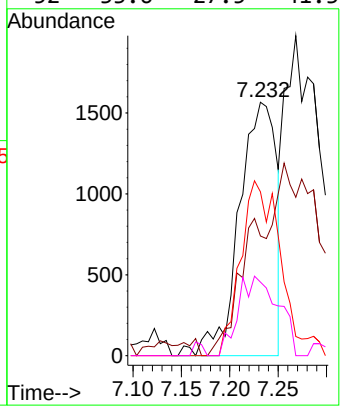




#41
Methacrylonitrile
Concen: 4.394 ug/l
RT: 7.232 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 41 Resp: 419

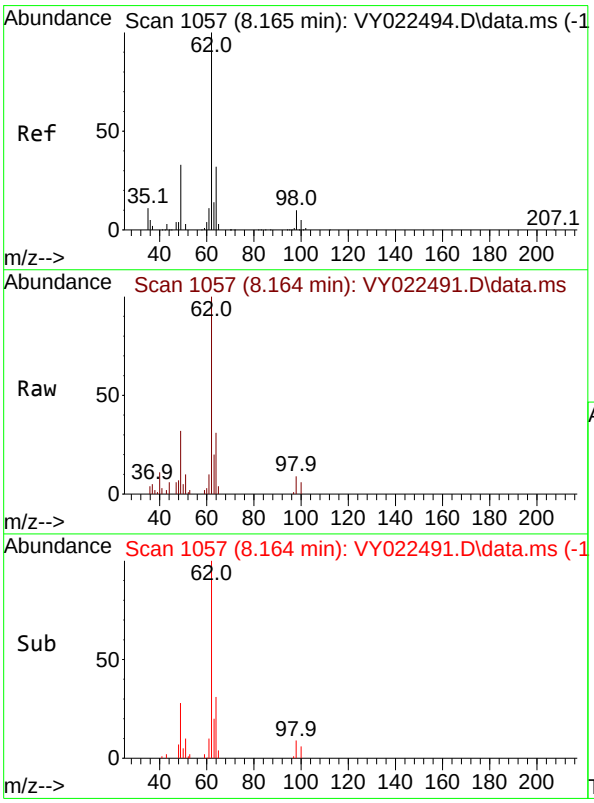
Ion	Ratio	Lower	Upper
41	100		
39	40.1	46.6	69.8
67	74.0	63.3	94.9
52	33.6	27.5	41.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

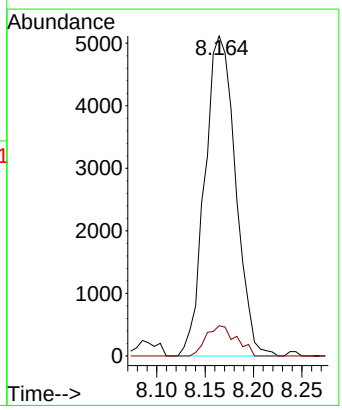
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

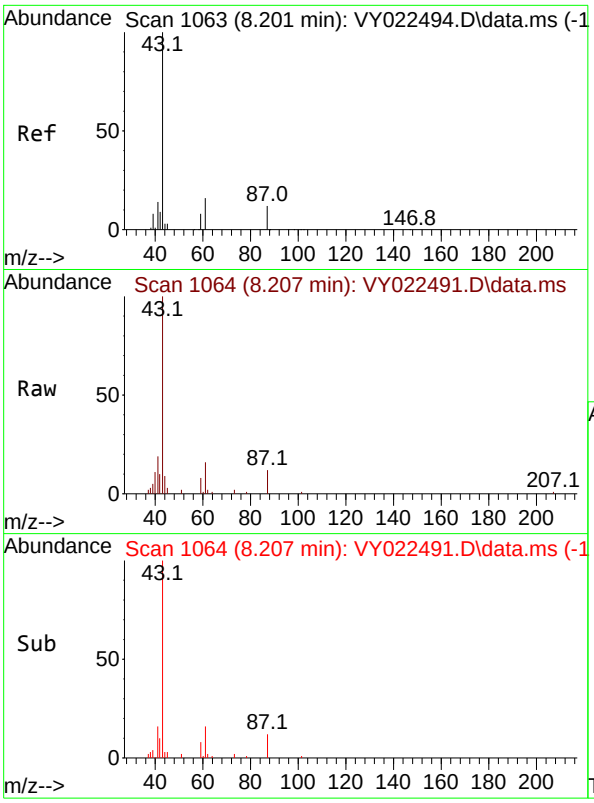


#42
1,2-Dichloroethane
Concen: 4.198 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 62 Resp: 11332

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.2





#43
Isopropyl Acetate
Concen: 4.117 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

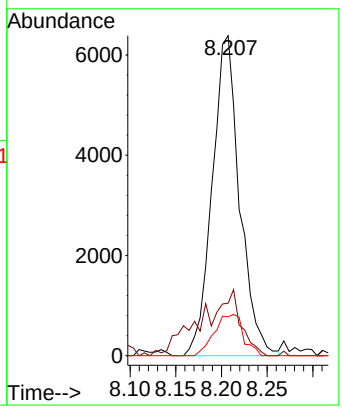
Tgt Ion: 43 Resp: 1333

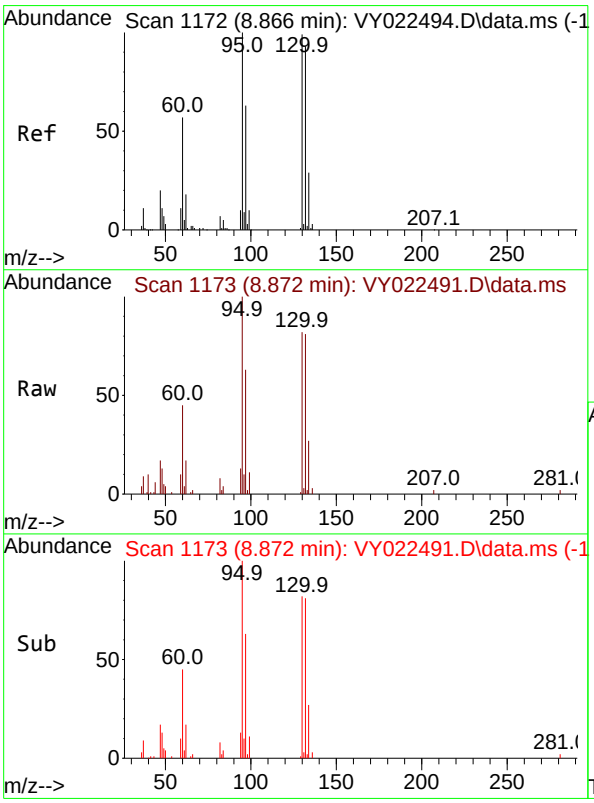
Ion	Ratio	Lower	Upper
43	100		
61	16.2	15.6	23.4
87	13.6	10.2	15.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

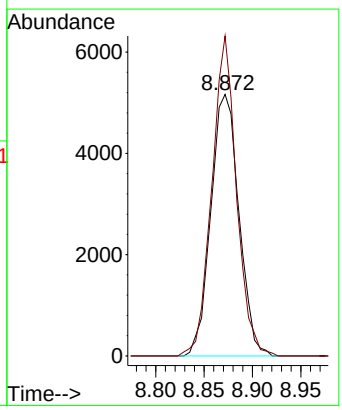


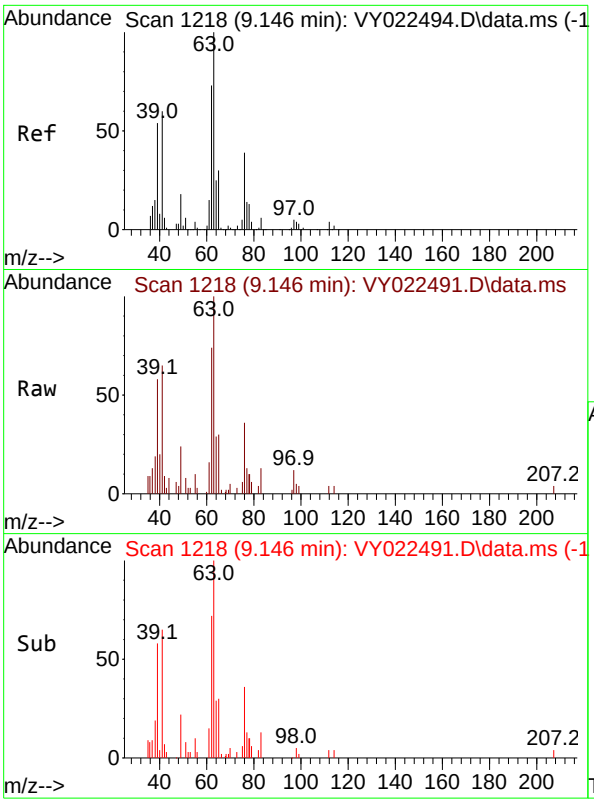


#44
Trichloroethene
Concen: 4.292 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:130 Resp: 10404

Ion	Ratio	Lower	Upper
130	100		
95	122.3	0.0	203.0





#45
1,2-Dichloropropane
Concen: 4.091 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

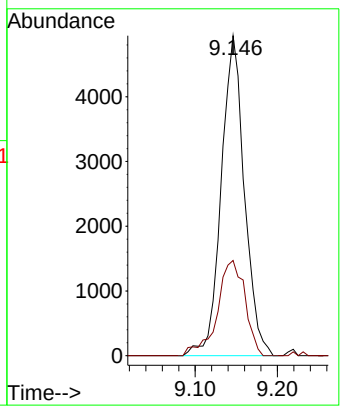
Tgt Ion: 63 Resp: 967

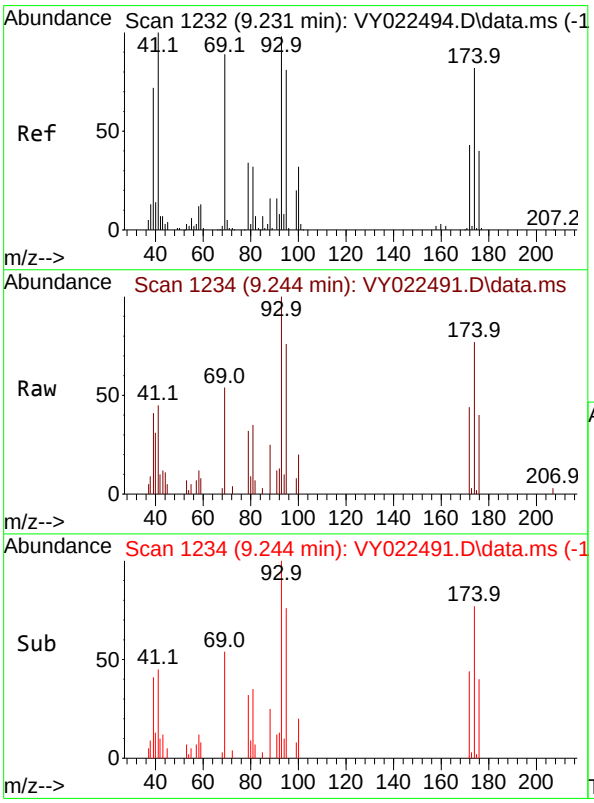
Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.0	36.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

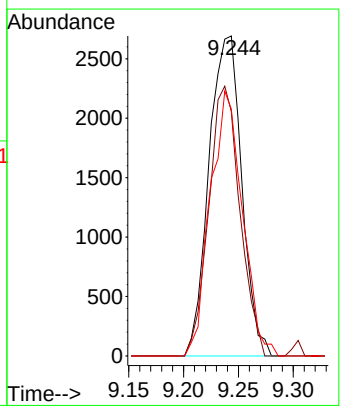


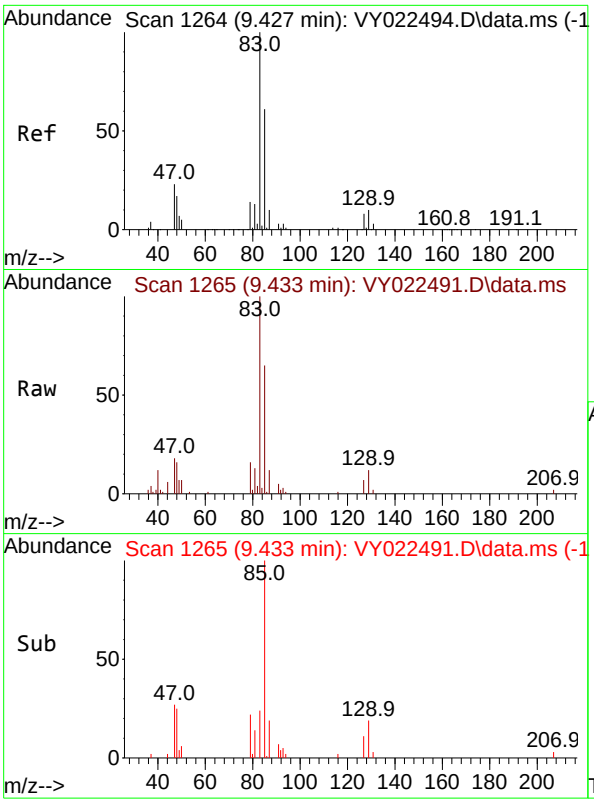


#46
Dibromomethane
Concen: 4.223 ug/l
RT: 9.244 min Scan# 1234
Delta R.T. 0.012 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 93 Resp: 5596

Ion	Ratio	Lower	Upper
93	100		
95	79.9	65.6	98.4
174	81.3	70.4	105.6





#47
Bromodichloromethane
Concen: 3.999 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

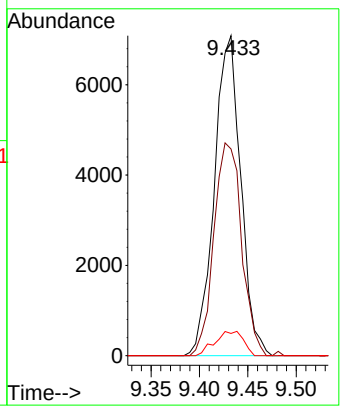
Tgt Ion: 83 Resp: 1344

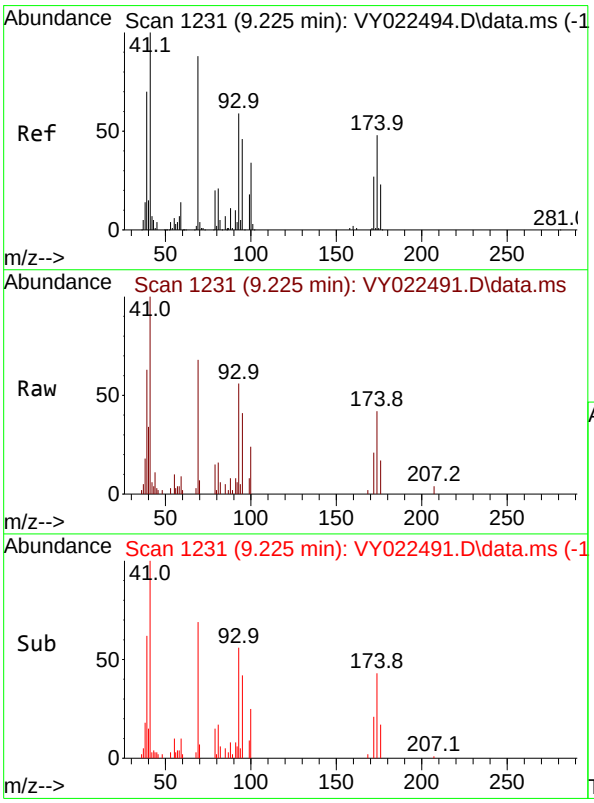
Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.1	73.7
127	7.0	6.2	9.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

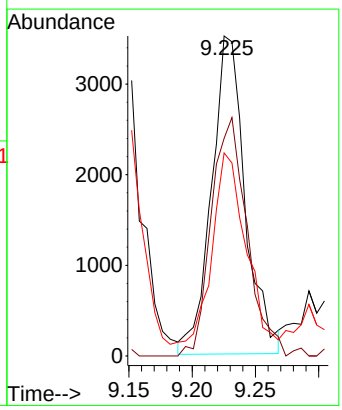


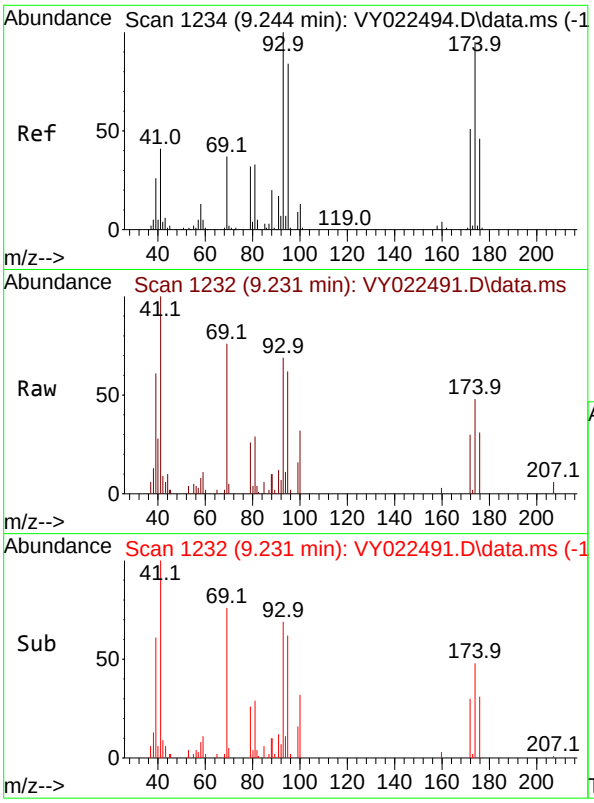


#48
Methyl methacrylate
Concen: 4.374 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 41 Resp: 6483

Ion	Ratio	Lower	Upper
41	100		
69	80.0	67.8	101.8
39	57.3	55.0	82.4

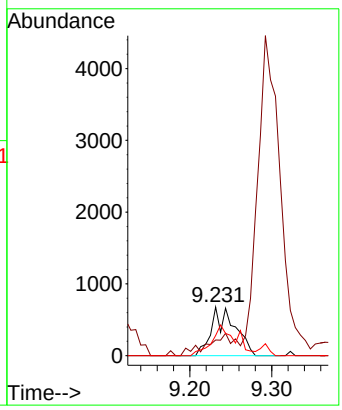




#49
1,4-Dioxane
Concen: 85.767 ug/l m
RT: 9.231 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 88 Resp: 135

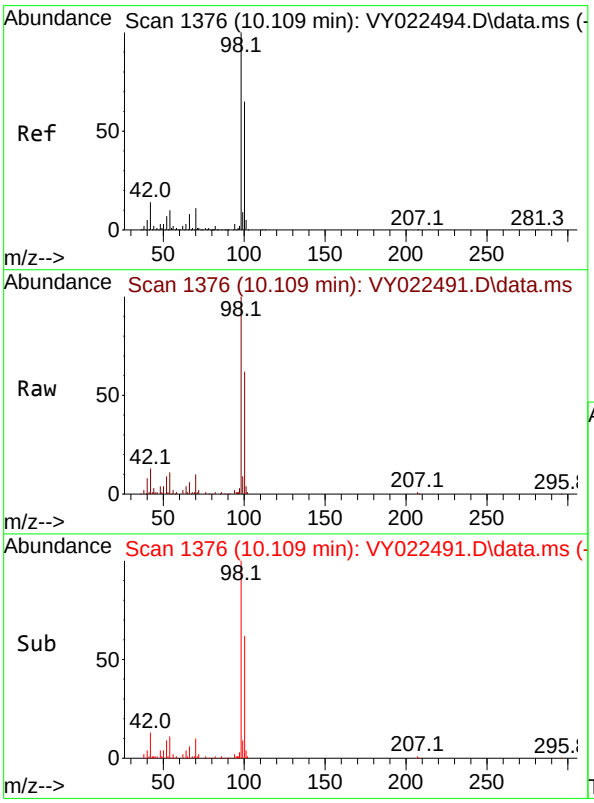
Ion	Ratio	Lower	Upper
88	100		
43	53.1	25.4	38.2
58	65.5	54.9	82.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

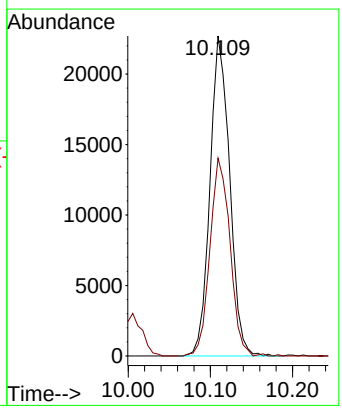
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

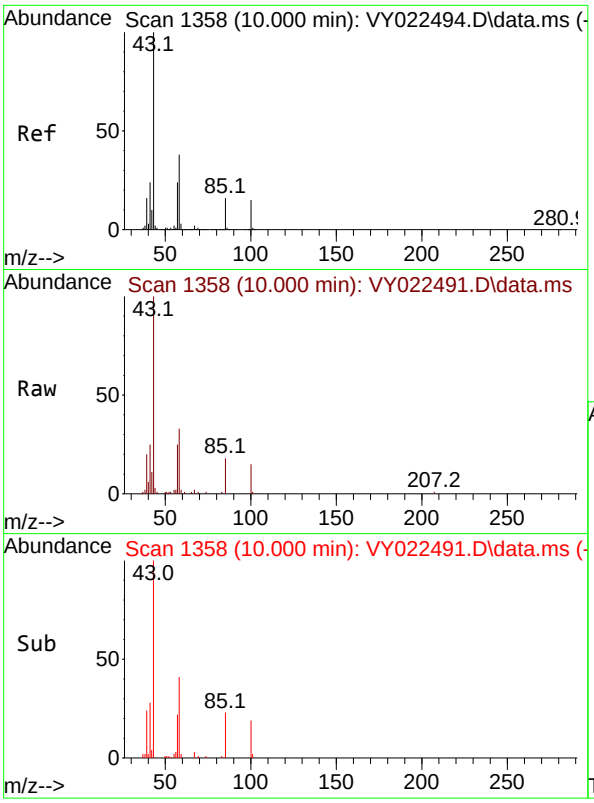


#50
Toluene-d8
Concen: 4.482 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 98 Resp: 37729

Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.4	77.0

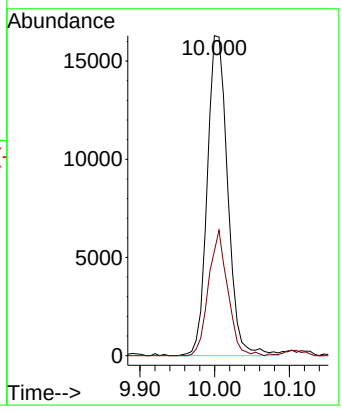




#51
4-Methyl-2-Pentanone
Concen: 19.273 ug/l
RT: 10.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 43 Resp: 3096

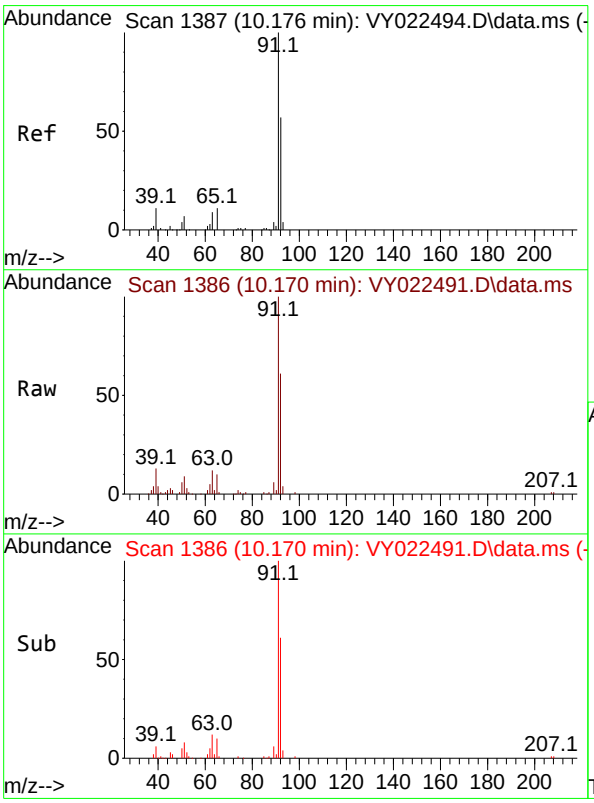
Ion	Ratio	Lower	Upper
43	100		
58	36.7	30.4	45.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

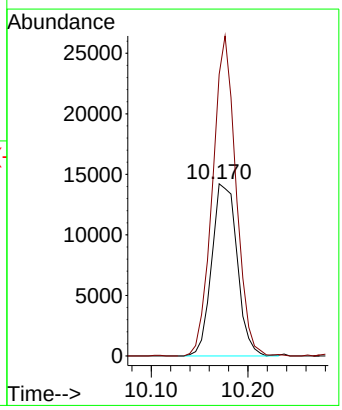
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

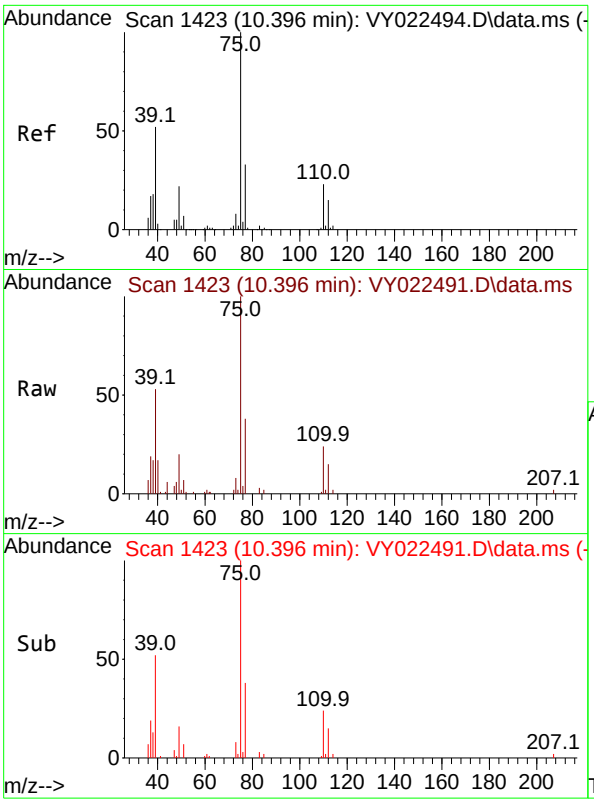


#52
Toluene
Concen: 4.150 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 92 Resp: 25893

Ion	Ratio	Lower	Upper
92	100		
91	171.8	139.0	208.4





#53
t-1,3-Dichloropropene
Concen: 3.982 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

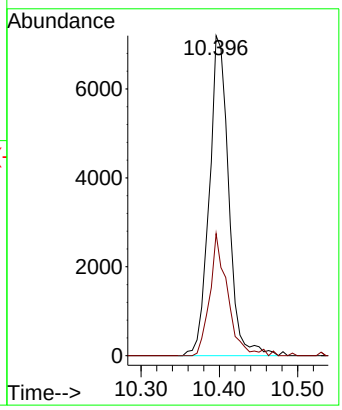
Tgt Ion: 75 Resp: 1238

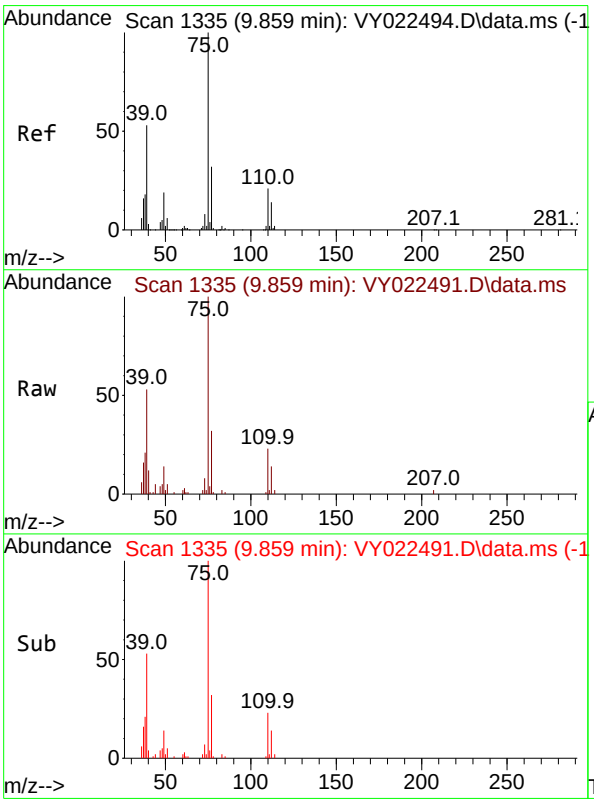
Ion	Ratio	Lower	Upper
75	100		
77	38.1	26.5	39.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

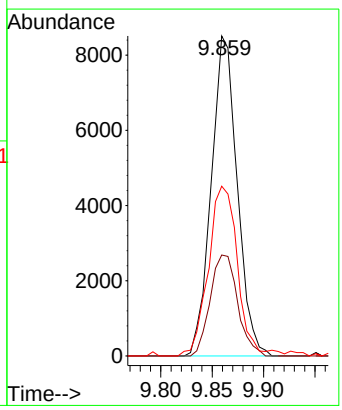


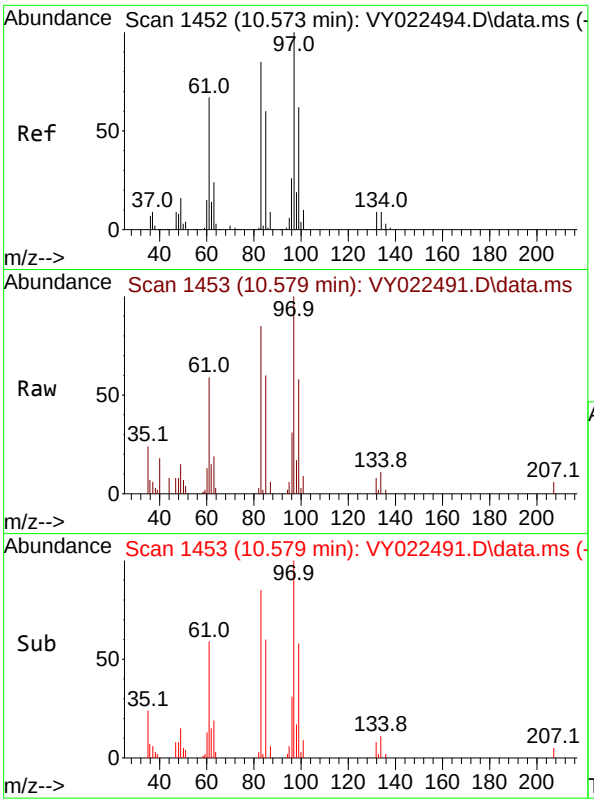


#54
cis-1,3-Dichloropropene
Concen: 4.103 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 75 Resp: 14966

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9
39	53.0	42.7	64.1

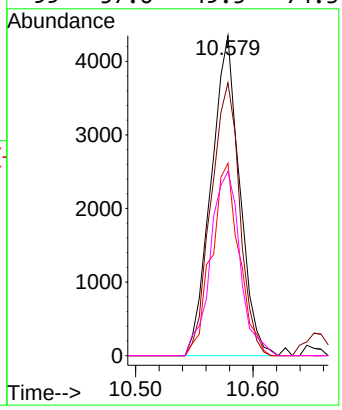




#55
1,1,2-Trichloroethane
Concen: 4.385 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 97 Resp: 731

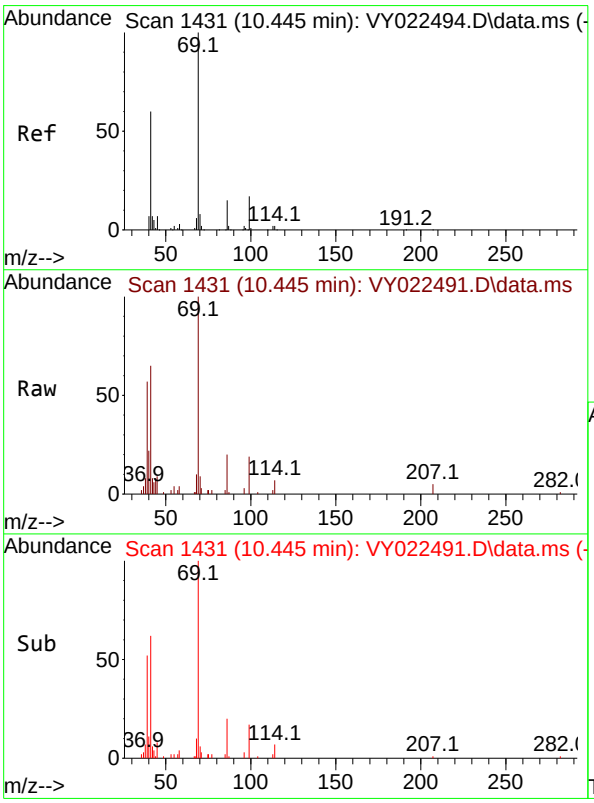
Ion	Ratio	Lower	Upper
97	100		
83	85.3	68.1	102.1
85	60.1	48.2	72.2
99	57.6	49.5	74.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

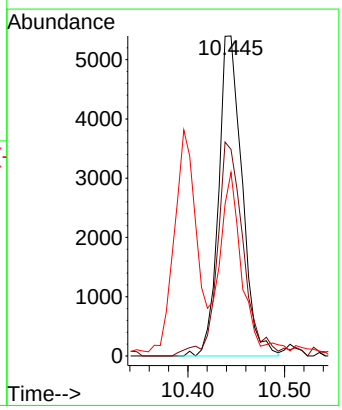
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

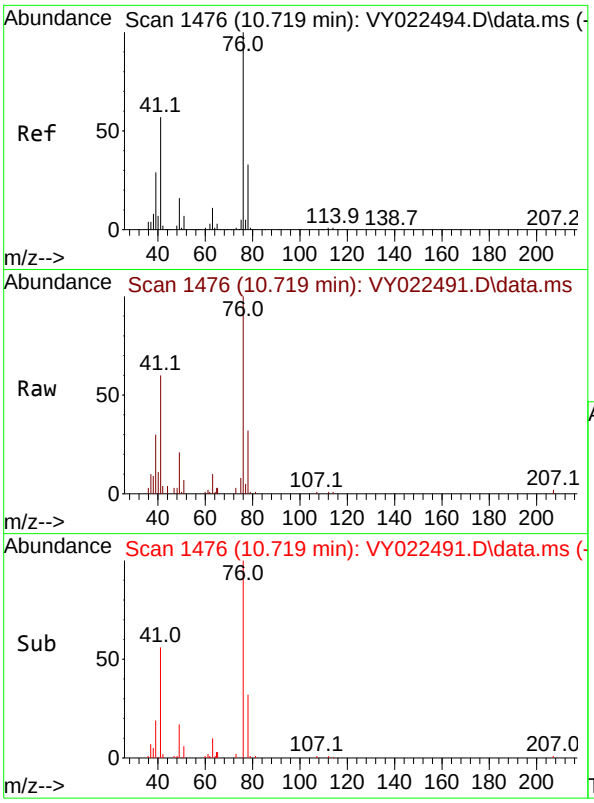


#56
Ethyl methacrylate
Concen: 3.751 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 69 Resp: 9092

Ion	Ratio	Lower	Upper
69	100		
41	73.4	52.2	78.2
39	46.3	36.7	55.1





#57
1,3-Dichloropropane
Concen: 4.255 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

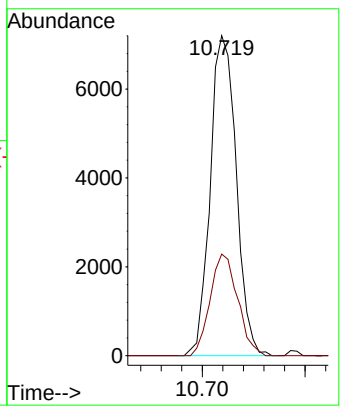
Tgt Ion: 76 Resp: 1264

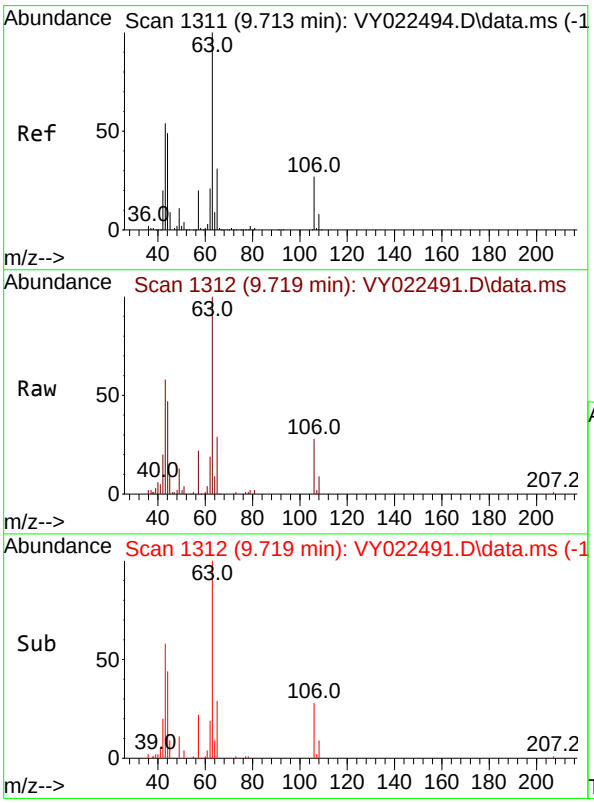
Ion	Ratio	Lower	Upper
76	100		
78	33.6	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

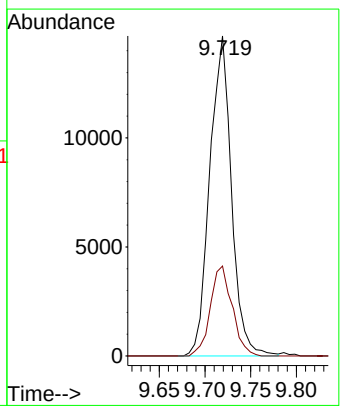


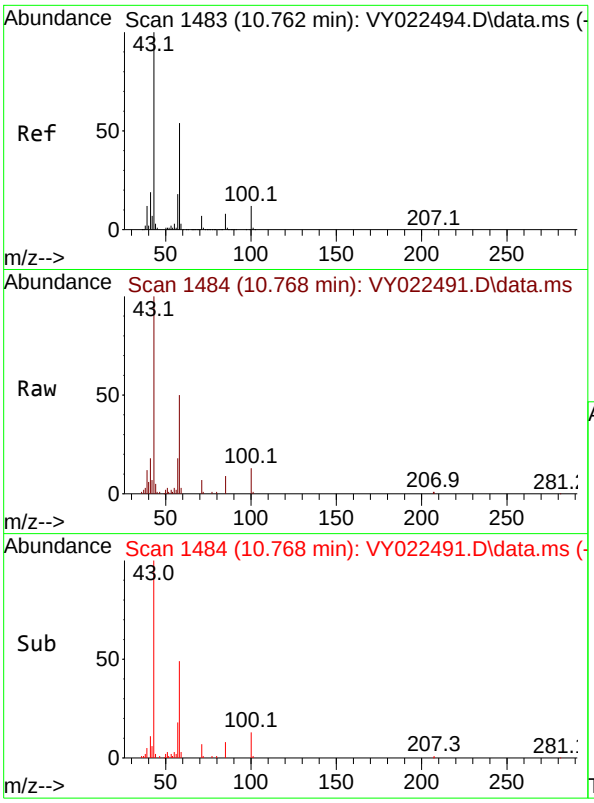


#58
2-Chloroethyl Vinyl ether
Concen: 22.409 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 63 Resp: 24214

Ion	Ratio	Lower	Upper
63	100		
106	28.3	21.6	32.4





#59
2-Hexanone
Concen: 19.832 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

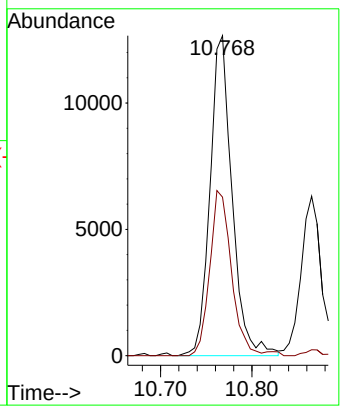
Tgt Ion: 43 Resp: 2124

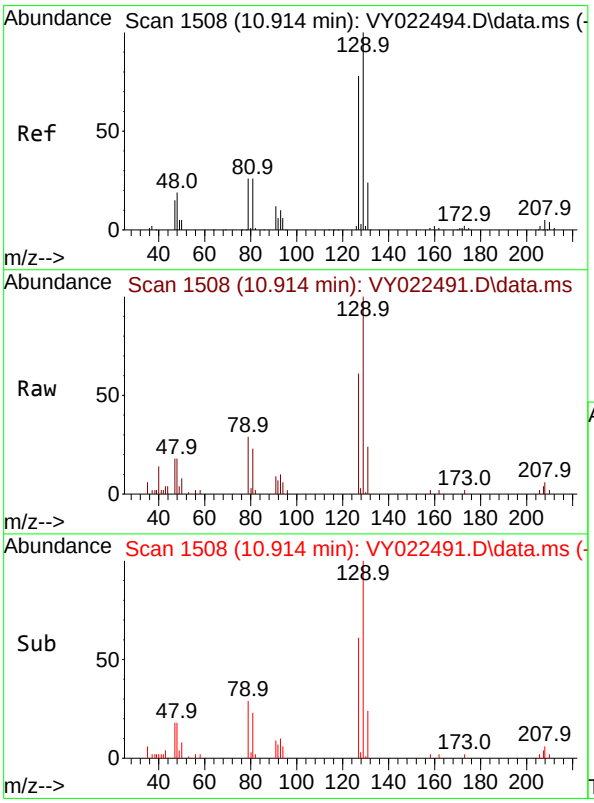
Ion	Ratio	Lower	Upper
43	100		
58	50.4	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

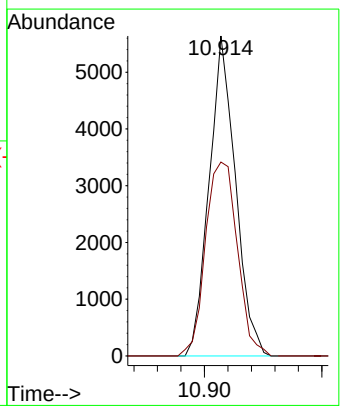


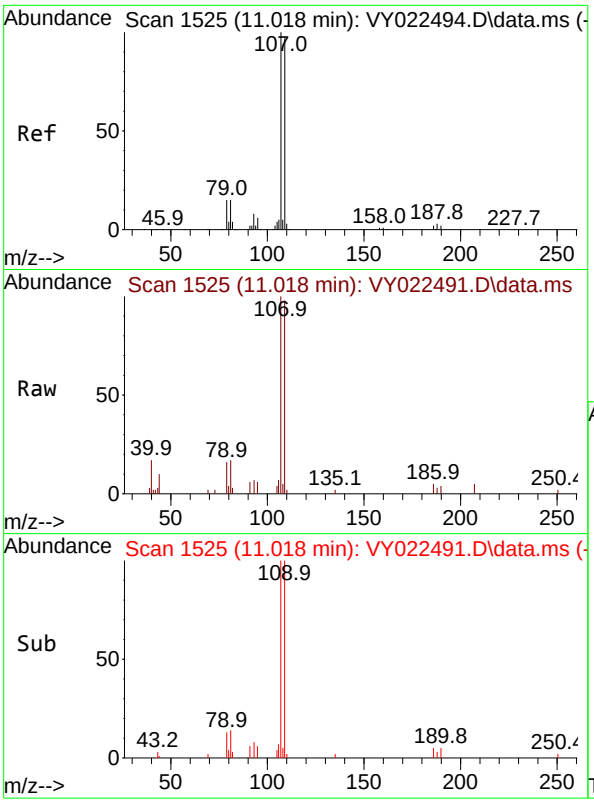


#60
Dibromochloromethane
Concen: 4.152 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:129 Resp: 8781

Ion	Ratio	Lower	Upper
129	100		
127	73.3	39.1	117.2





#61
1,2-Dibromoethane
Concen: 3.991 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

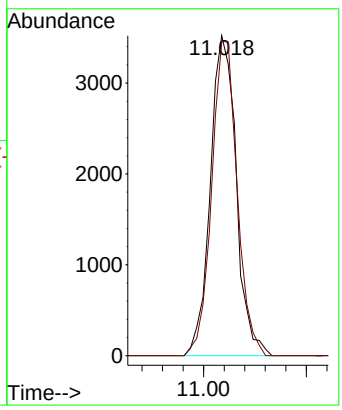
Tgt Ion:107 Resp: 614

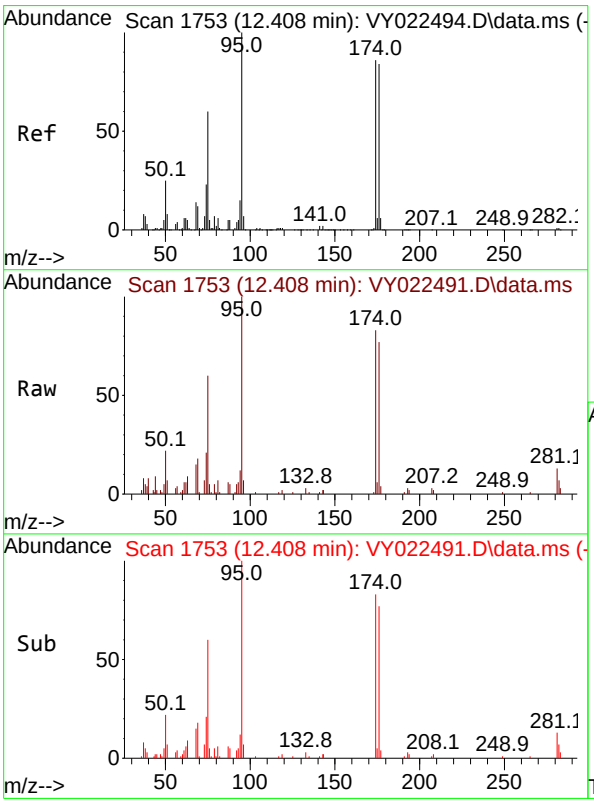
Ion	Ratio	Lower	Upper
107	100		
109	96.8	77.7	116.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

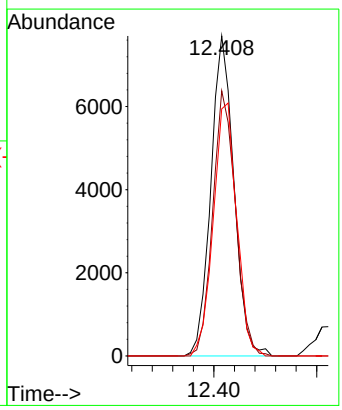


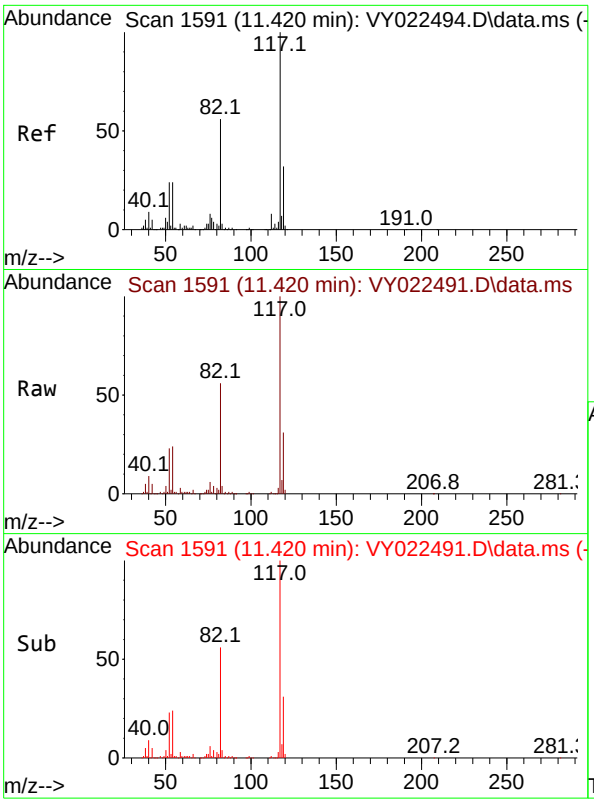


#62
4-Bromofluorobenzene
Concen: 4.697 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 95 Resp: 11988

Ion	Ratio	Lower	Upper
95	100		
174	81.7	0.0	170.0
176	80.2	0.0	166.2

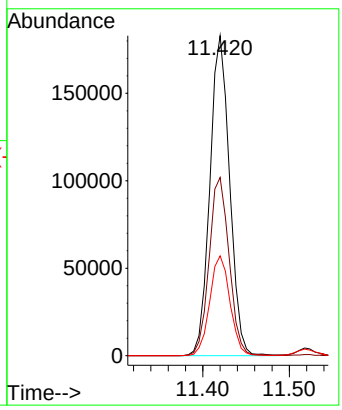




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:117 Resp: 28939

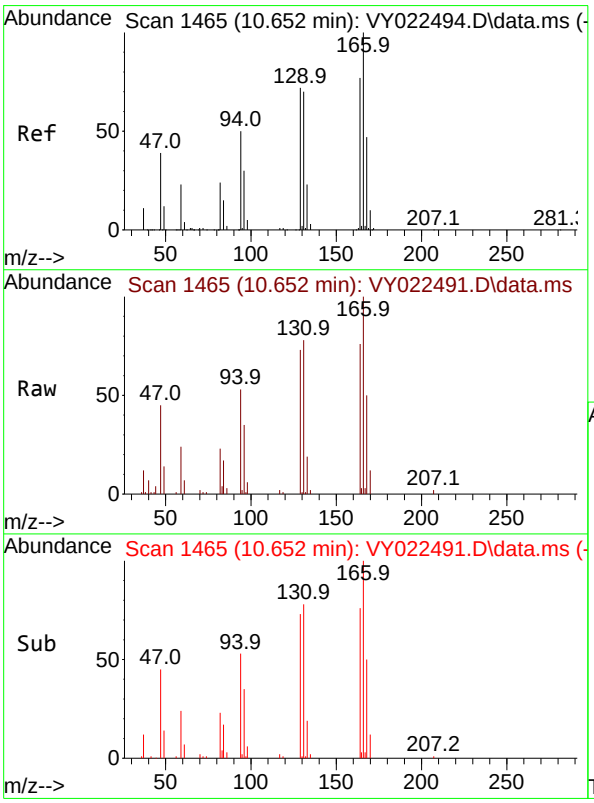
Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.6	66.8
119	31.2	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

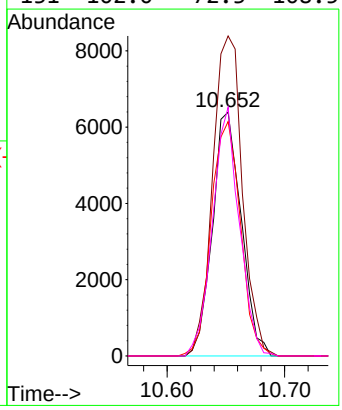
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

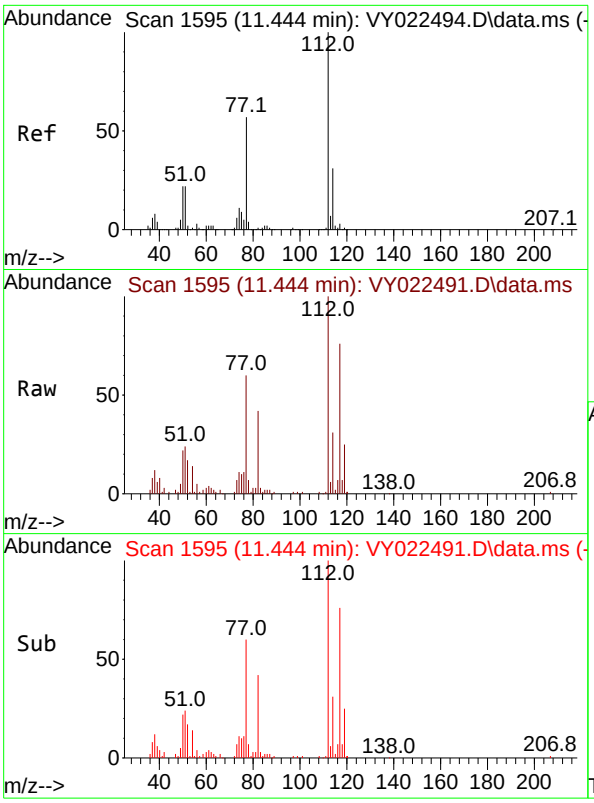


#64
Tetrachloroethene
Concen: 4.417 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:164 Resp: 10863

Ion	Ratio	Lower	Upper
164	100		
166	131.2	104.0	156.0
129	96.1	74.5	111.7
131	102.0	72.3	108.5





#65
Chlorobenzene
Concen: 4.377 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

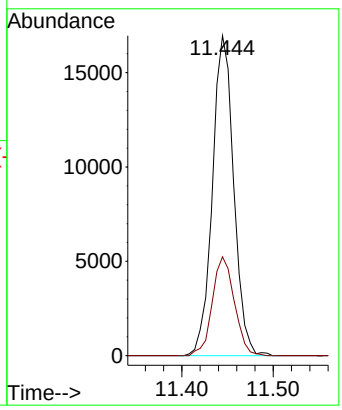
Tgt Ion:112 Resp: 2746

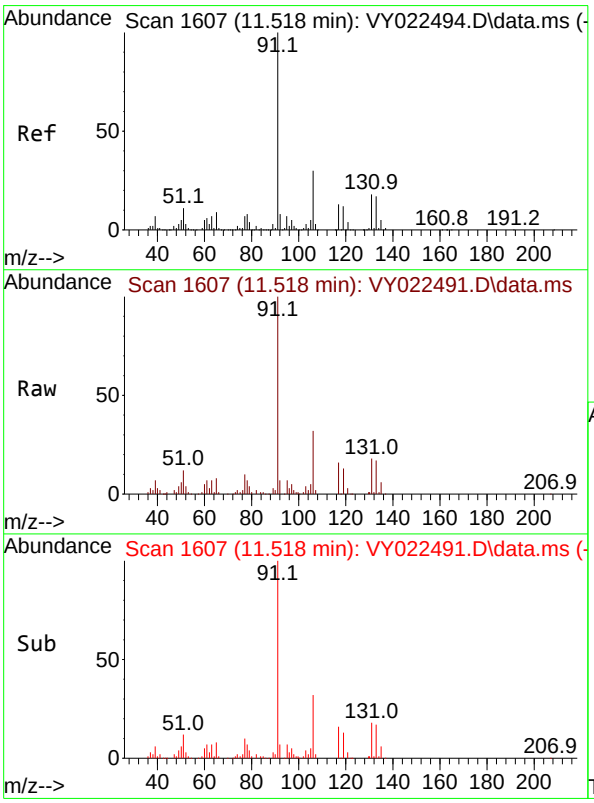
Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

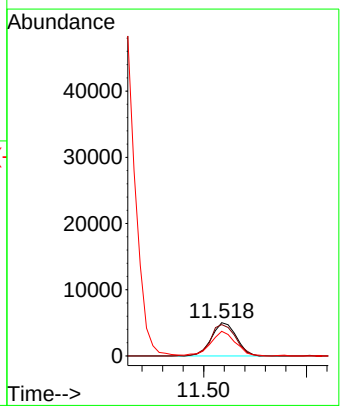


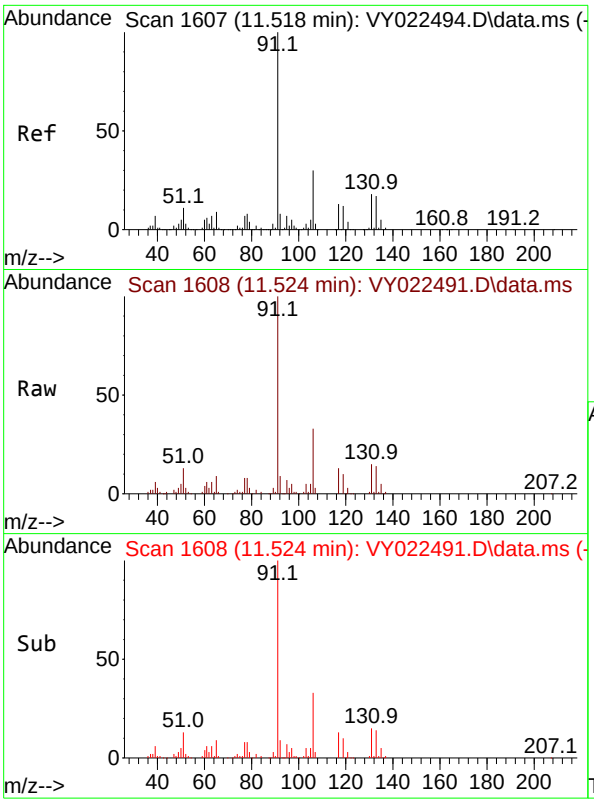


#66
1,1,1,2-Tetrachloroethane
Concen: 3.959 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:131 Resp: 8422

Ion	Ratio	Lower	Upper
131	100		
133	96.8	47.3	141.8
119	74.3	33.1	99.3

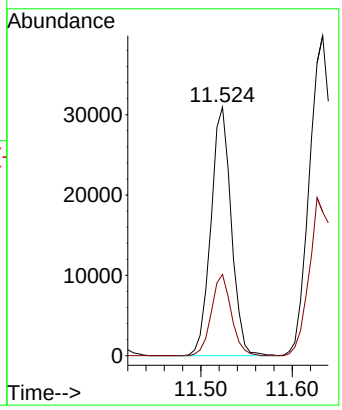




#67
Ethyl Benzene
Concen: 4.098 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 91 Resp: 4788

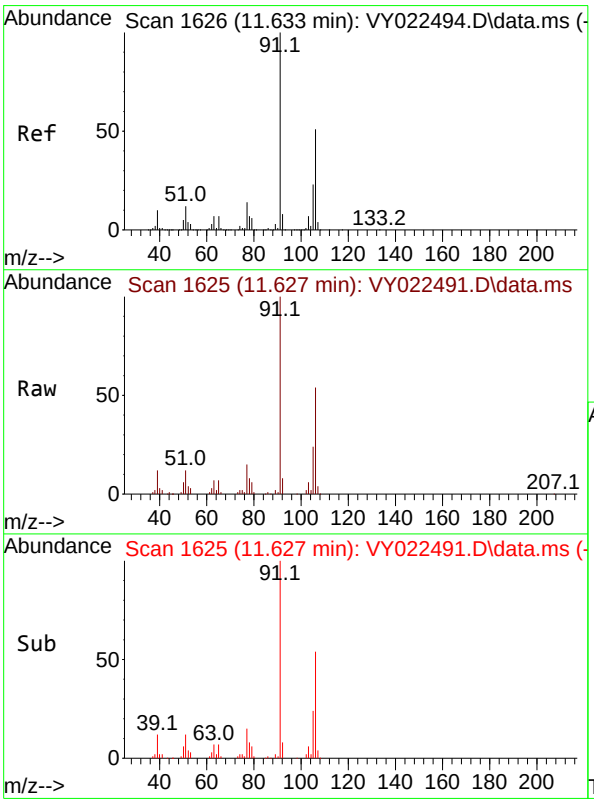
Ion	Ratio	Lower	Upper
91	100		
106	32.7	24.2	36.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

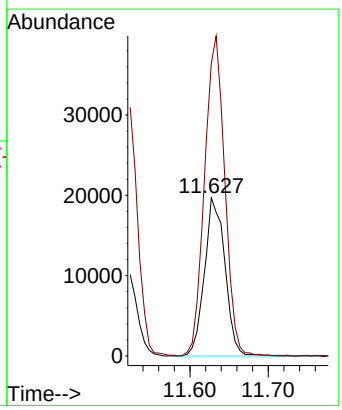
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

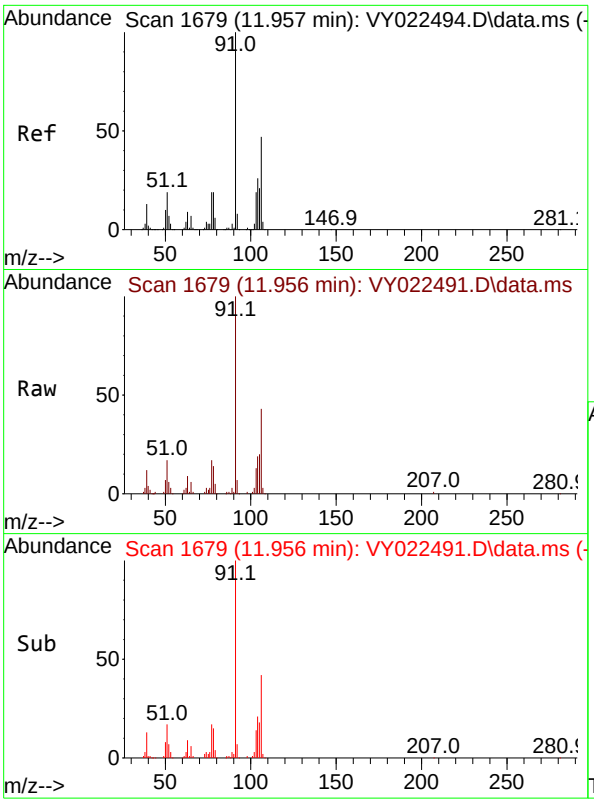


#68
m/p-Xylenes
Concen: 8.060 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:106 Resp: 35645

Ion	Ratio	Lower	Upper
106	100		
91	200.7	159.4	239.0

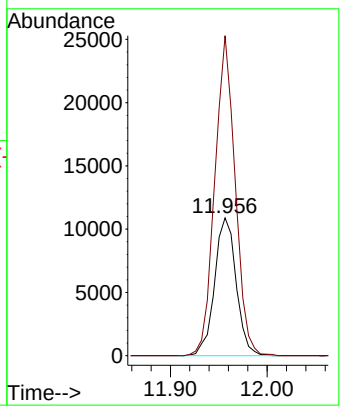




#69
o-Xylene
Concen: 4.075 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:106 Resp: 1686

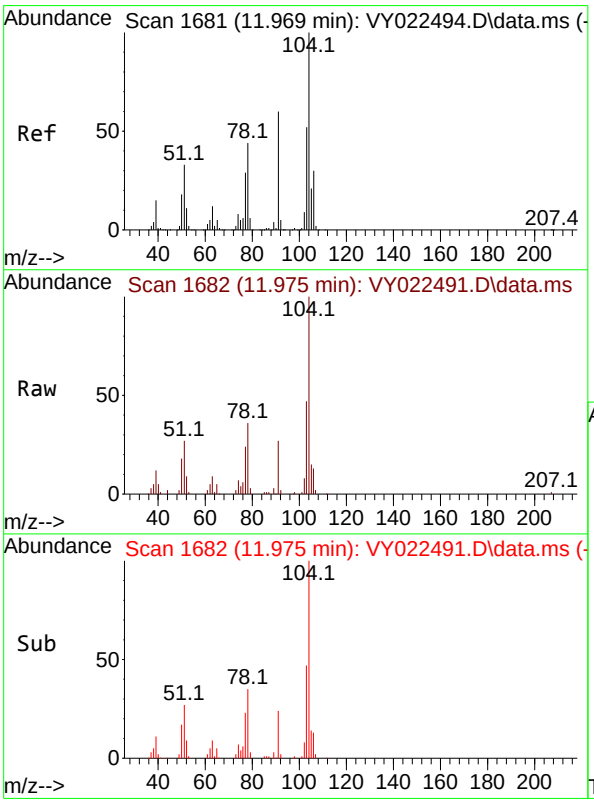
Ion	Ratio	Lower	Upper
106	100		
91	219.4	105.8	317.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

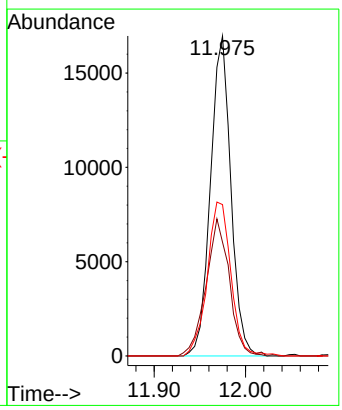
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

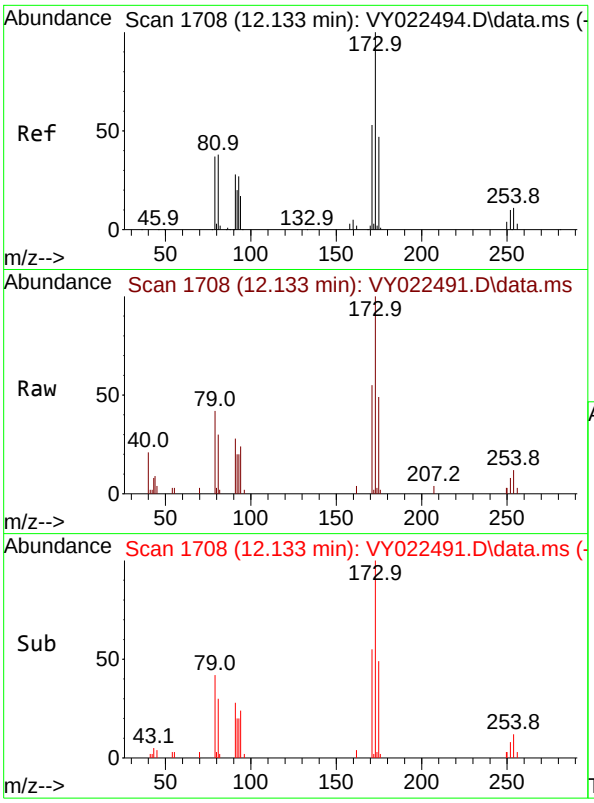


#70
Styrene
Concen: 3.840 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:104 Resp: 26313

Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.5	59.3
103	55.8	44.1	66.1

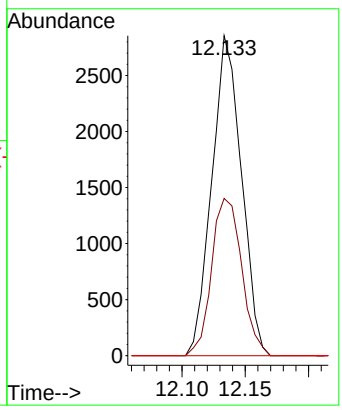




#71
Bromoform
Concen: 4.159 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:173 Resp: 464

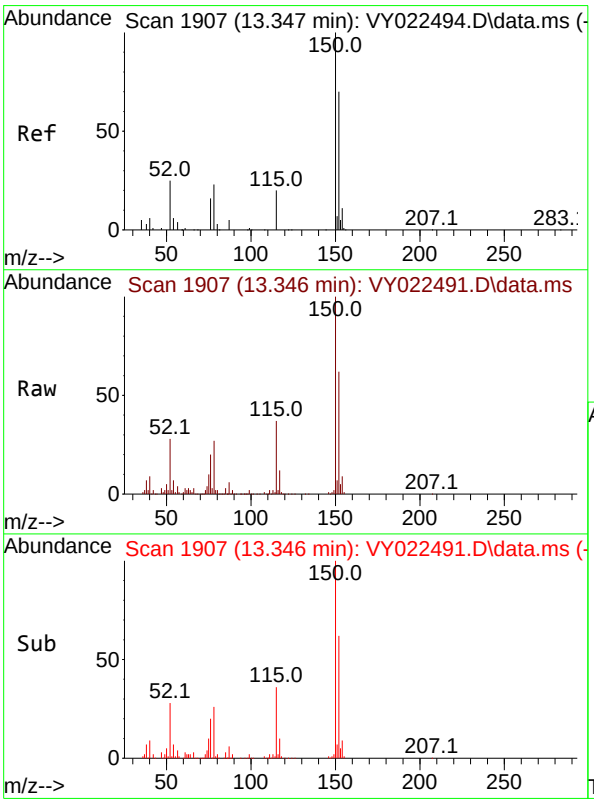
Ion	Ratio	Lower	Upper
173	100		
175	49.9	23.8	71.5
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

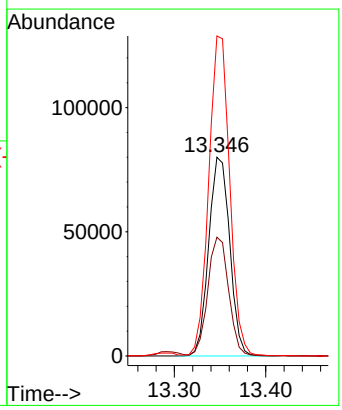
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

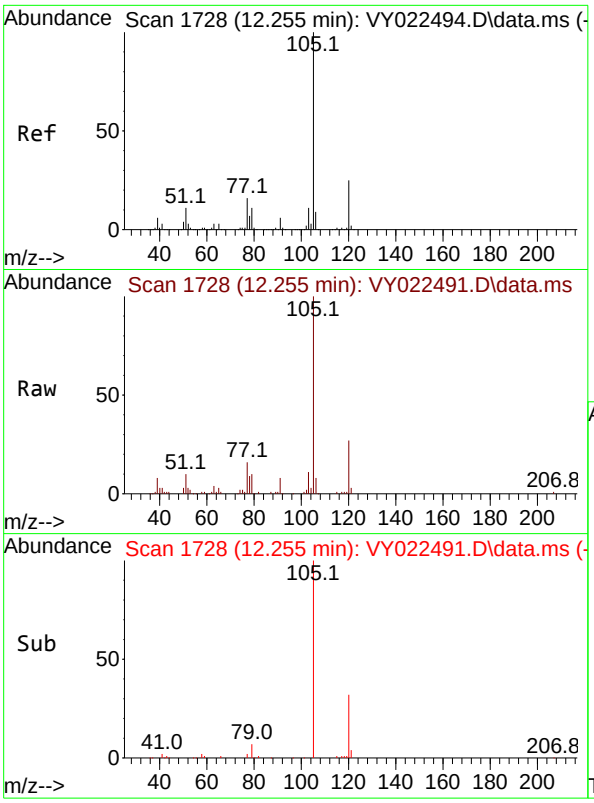


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:152 Resp: 127807

Ion	Ratio	Lower	Upper
152	100		
115	59.2	28.9	86.7
150	160.5	0.0	349.6

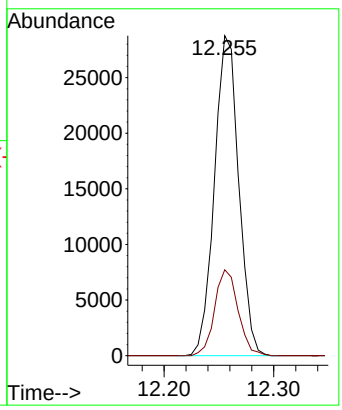




#73
Isopropylbenzene
Concen: 4.307 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:105 Resp: 4435

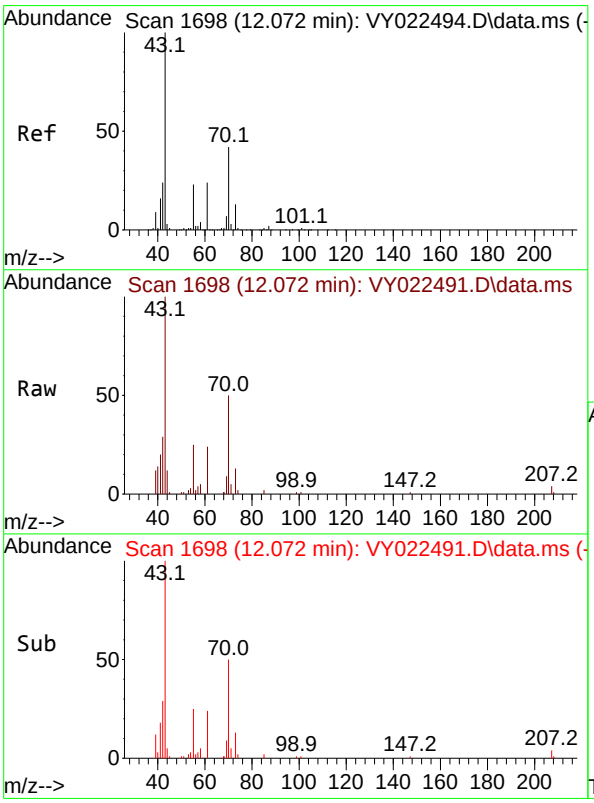
Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

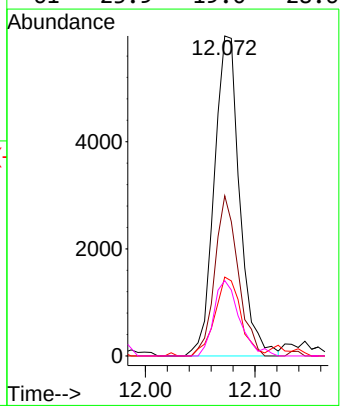
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

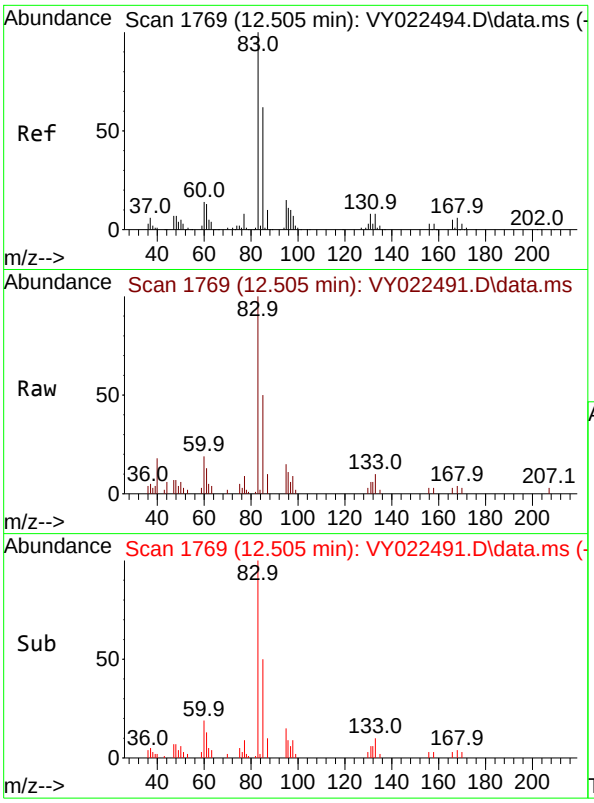


#74
N-amyl acetate
Concen: 3.699 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 43 Resp: 9632

Ion	Ratio	Lower	Upper
43	100		
70	45.9	34.2	51.2
55	25.1	18.2	27.4
61	23.9	19.0	28.6

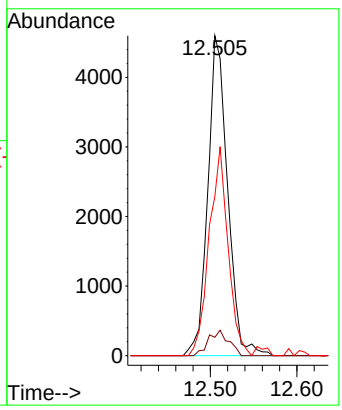




#75
1,1,2,2-Tetrachloroethane
Concen: 4.359 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 83 Resp: 728

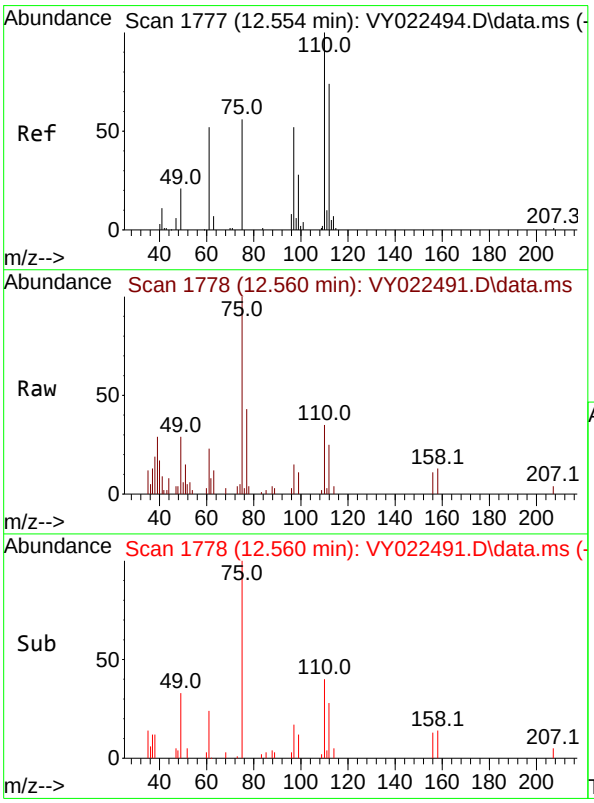
Ion	Ratio	Lower	Upper
83	100		
131	8.1	4.9	14.7
85	62.4	32.6	97.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

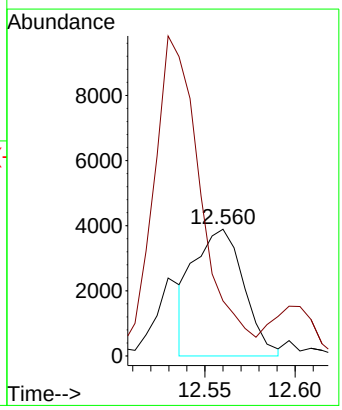
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

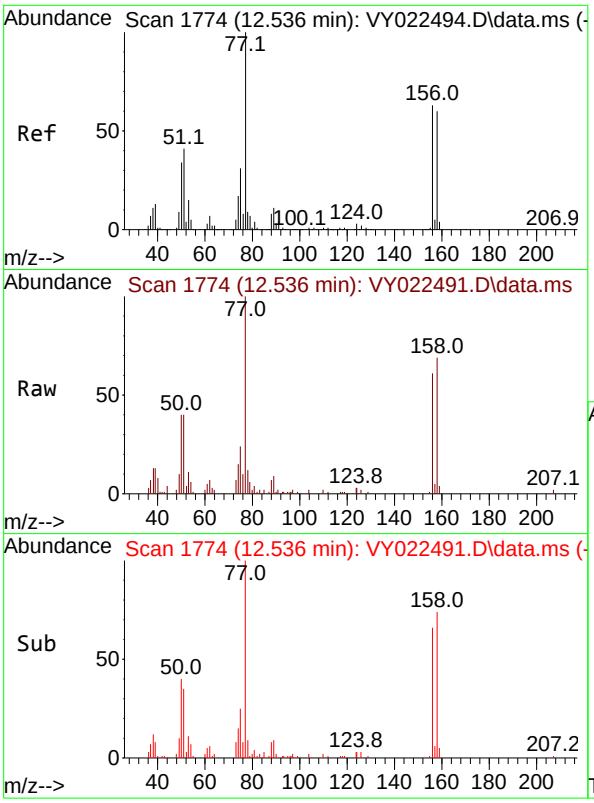


#76
1,2,3-Trichloropropane
Concen: 4.432 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 75 Resp: 7478

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

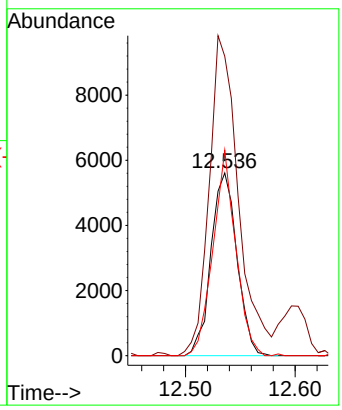




#77
Bromobenzene
Concen: 4.234 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:156 Resp: 924

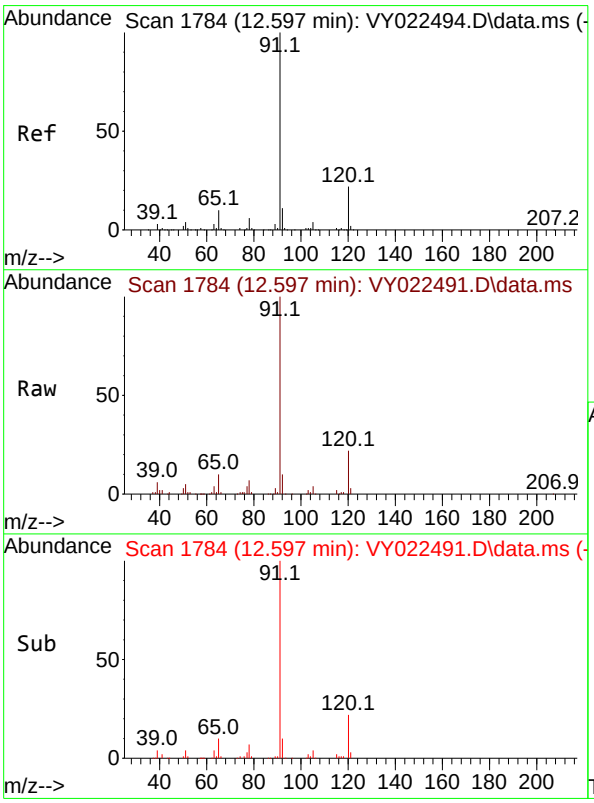
Ion	Ratio	Lower	Upper
156	100		
77	196.5	94.0	282.1
158	98.9	48.2	144.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

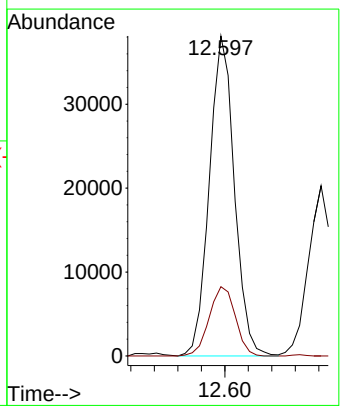
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

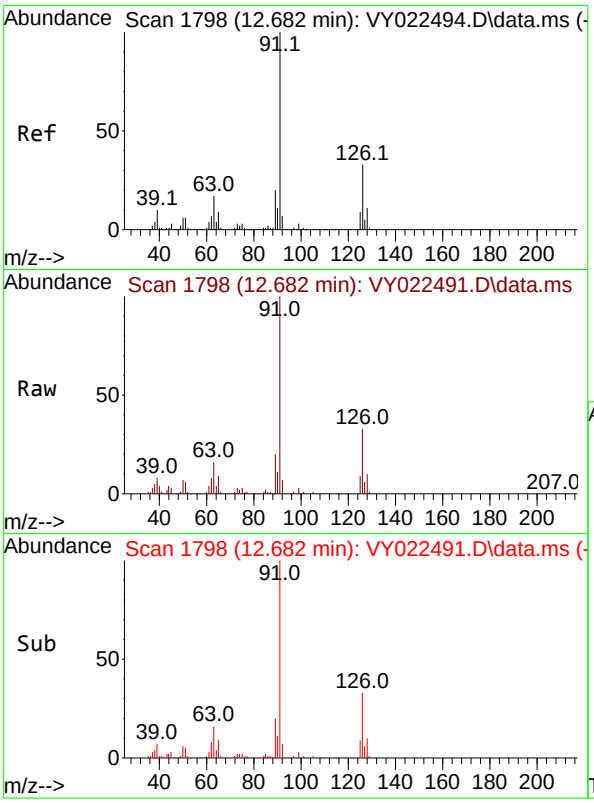


#78
n-propylbenzene
Concen: 4.511 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 91 Resp: 56543

Ion	Ratio	Lower	Upper
91	100		
120	22.5	10.8	32.4





#79
2-Chlorotoluene
Concen: 4.591 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

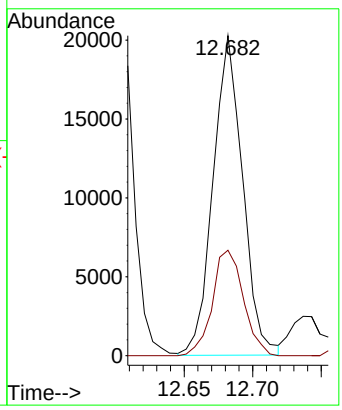
Tgt Ion: 91 Resp: 3038

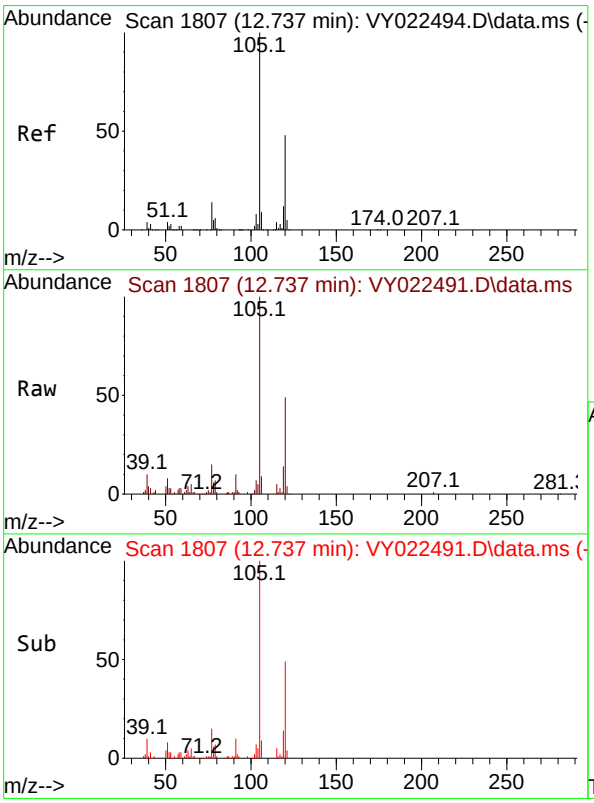
Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.0	51.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

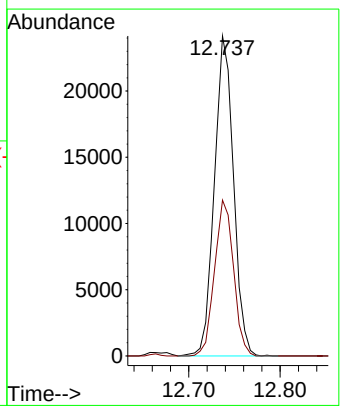


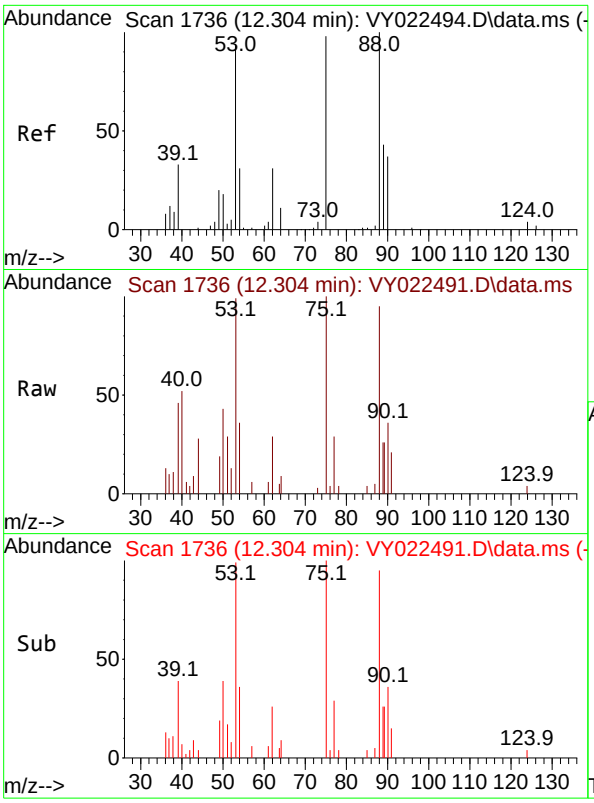


#80
1,3,5-Trimethylbenzene
Concen: 4.362 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:105 Resp: 35122

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.1	72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 4.411 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

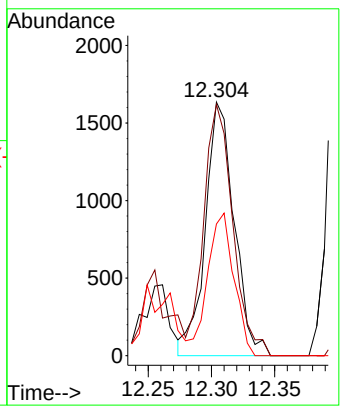
Tgt Ion: 75 Resp: 259

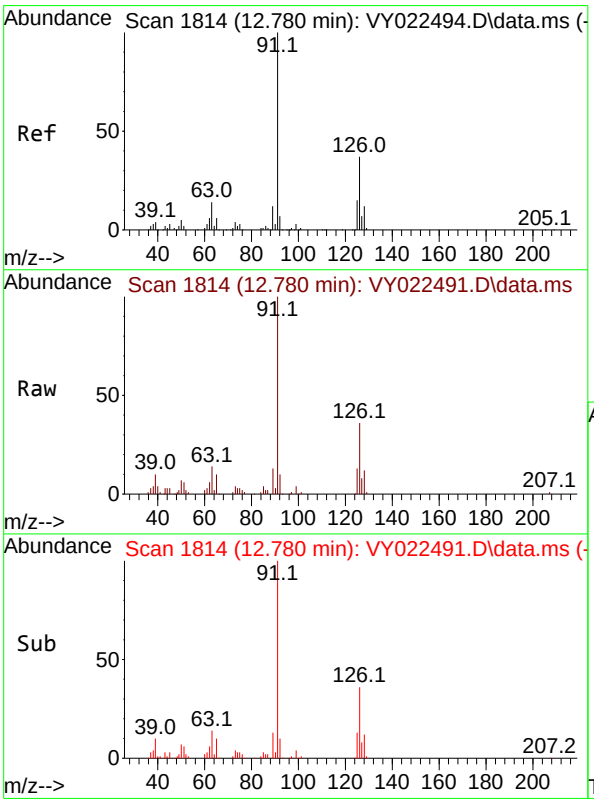
Ion	Ratio	Lower	Upper
75	100		
53	99.3	78.5	117.7
89	51.7	35.7	53.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

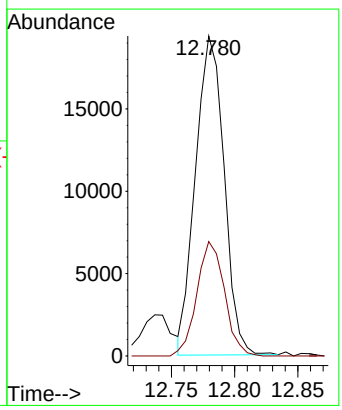


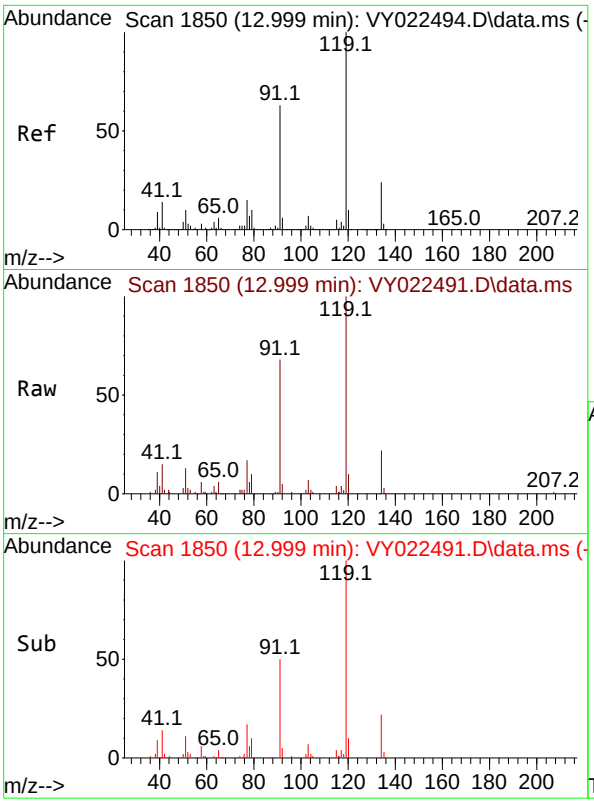


#82
4-Chlorotoluene
Concen: 4.447 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 91 Resp: 30501

Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.0	50.9

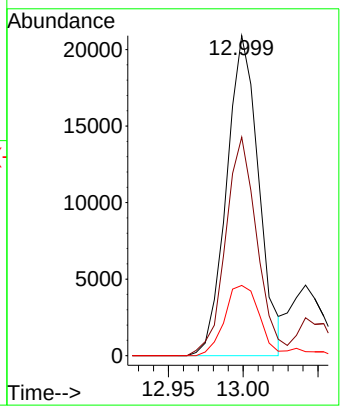




#83
tert-Butylbenzene
Concen: 4.252 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:119 Resp: 3123

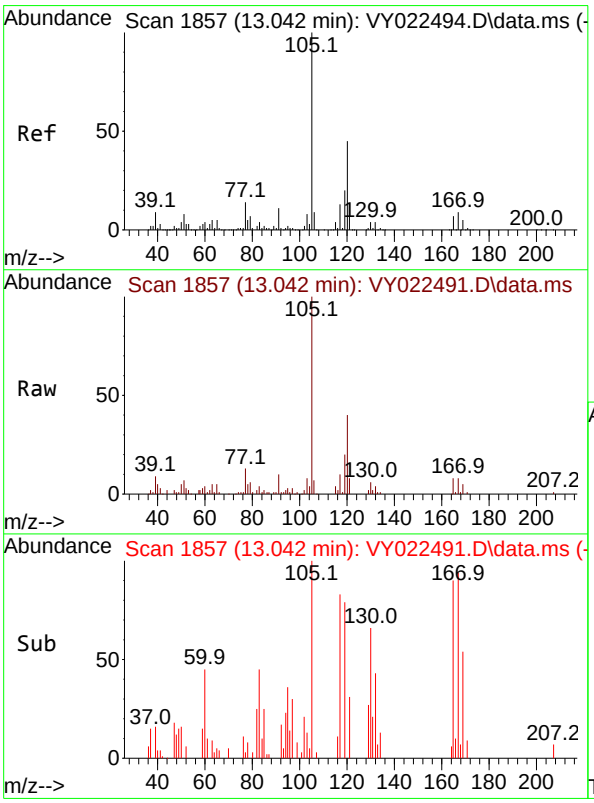
Ion	Ratio	Lower	Upper
119	100		
91	67.0	32.1	96.3
134	23.9	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

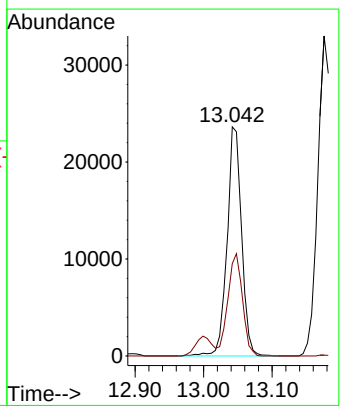
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

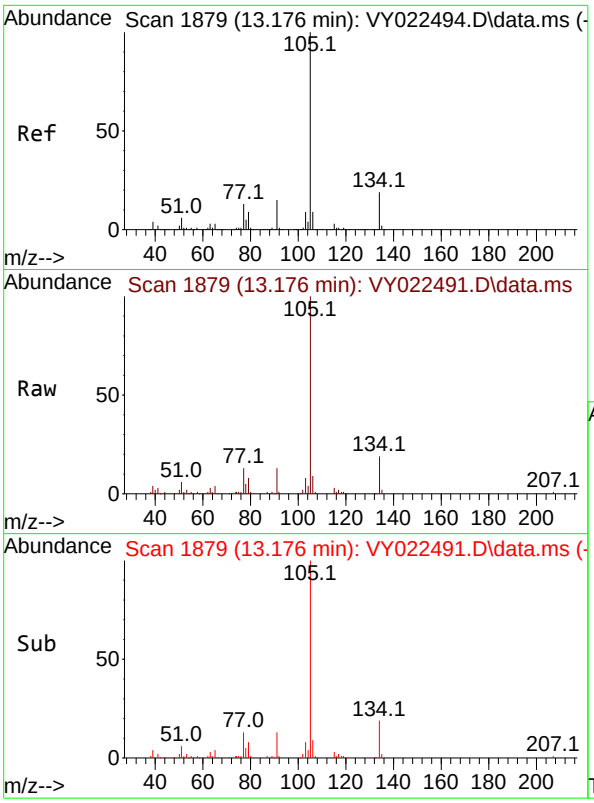


#84
1,2,4-Trimethylbenzene
Concen: 4.314 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:105 Resp: 34752

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.7	68.1

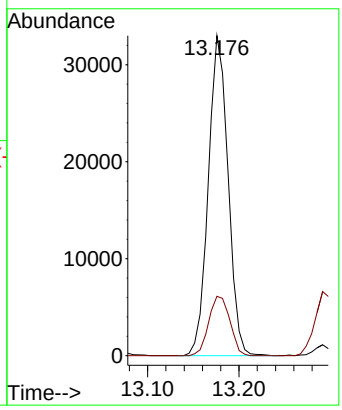




#85
sec-Butylbenzene
Concen: 4.449 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:105 Resp: 4954

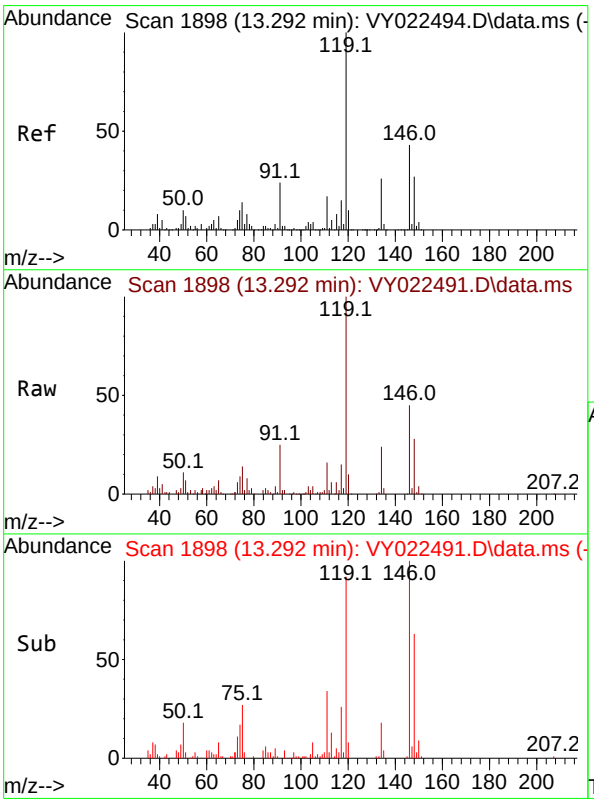
Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

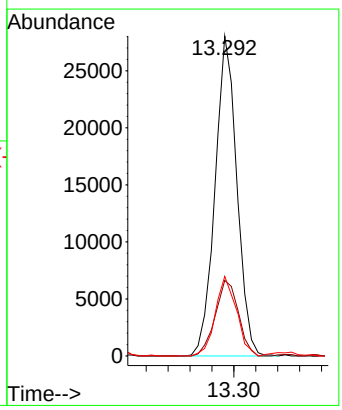
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

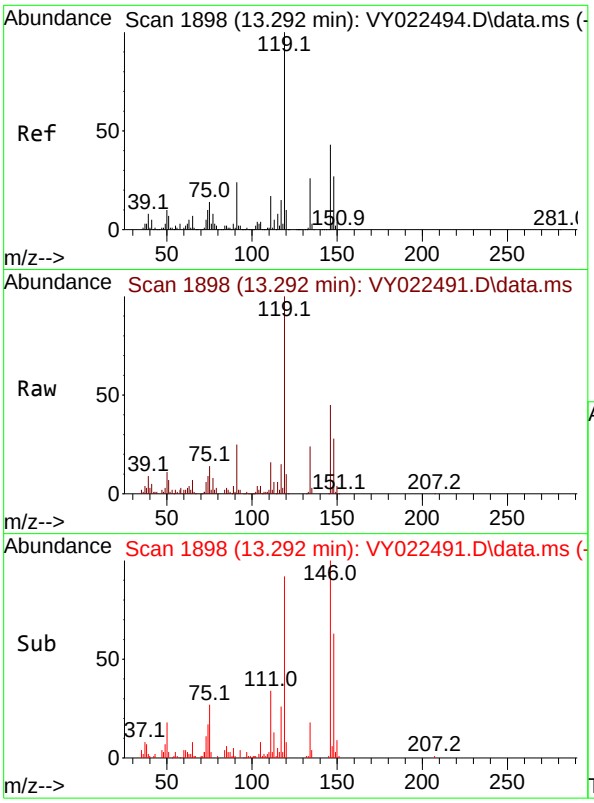


#86
p-Isopropyltoluene
Concen: 4.240 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:119 Resp: 38822

Ion	Ratio	Lower	Upper
119	100		
134	25.0	13.1	39.1
91	24.2	11.6	34.8





#87
1,3-Dichlorobenzene
Concen: 4.431 ug/l
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

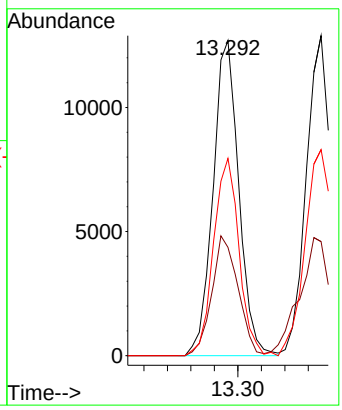
Tgt Ion:146 Resp: 1935

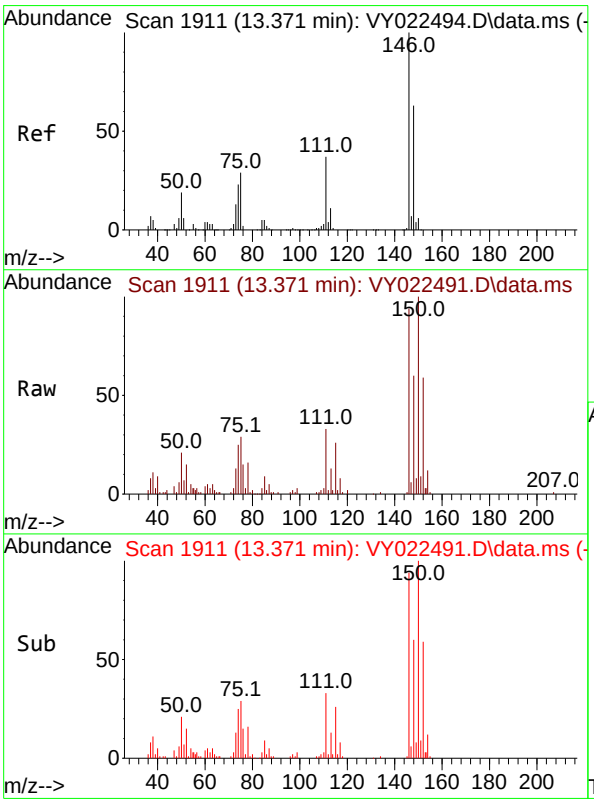
Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.1	60.2
148	61.9	32.1	96.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

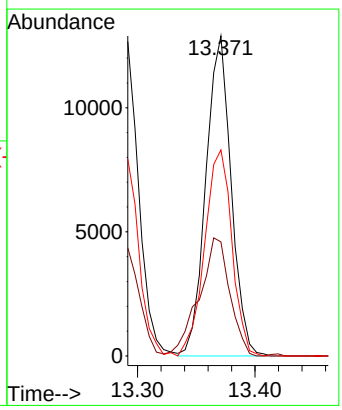


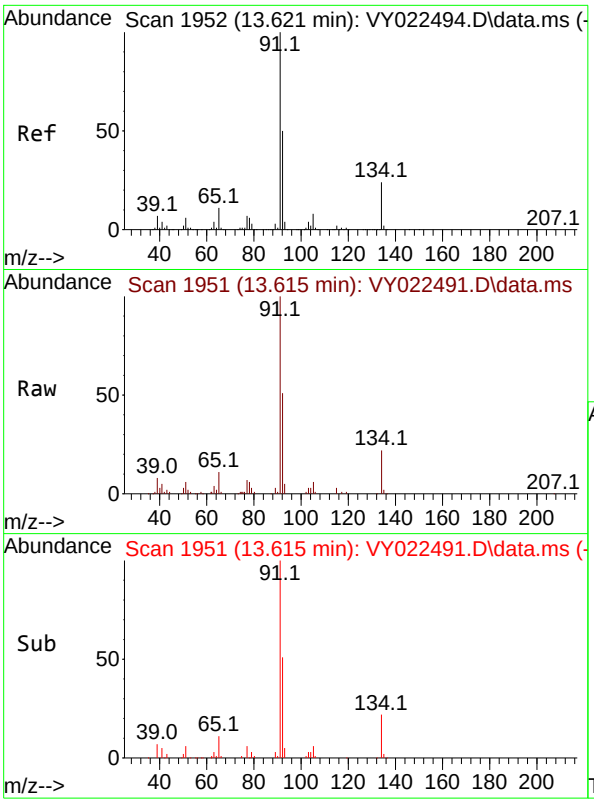


#88
1,4-Dichlorobenzene
Concen: 4.529 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:146 Resp: 19268

Ion	Ratio	Lower	Upper
146	100		
111	44.9	19.4	58.2
148	69.5	31.6	94.8

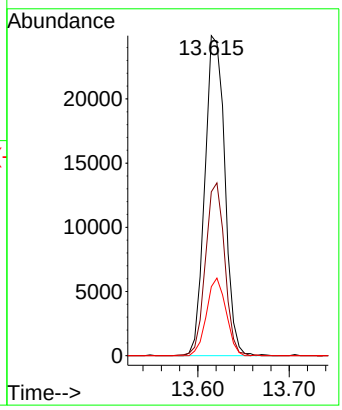




#89
n-Butylbenzene
Concen: 4.333 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 91 Resp: 3777

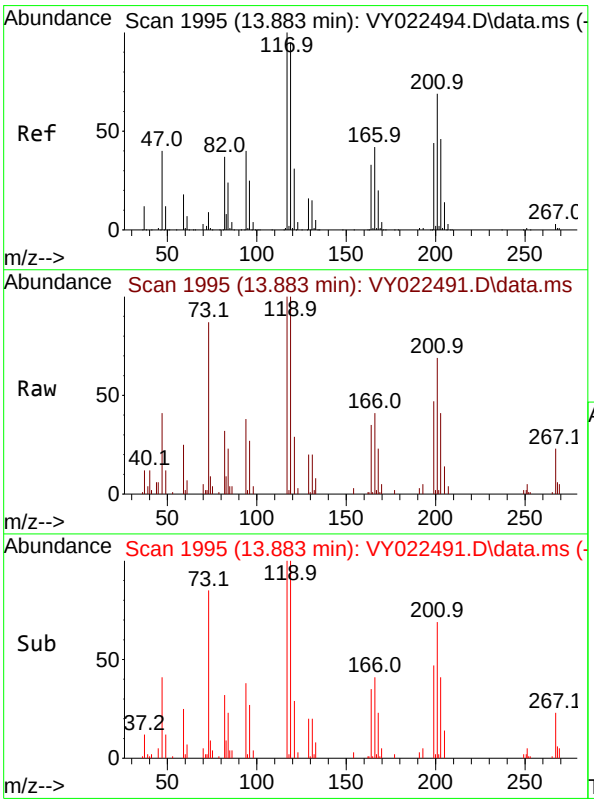
Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.9	77.8
134	23.8	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

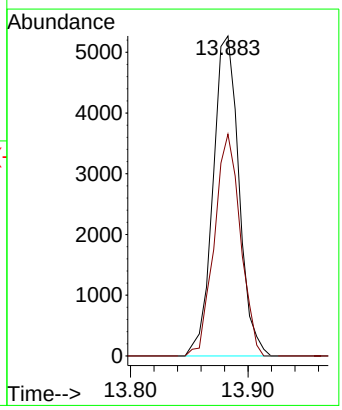
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

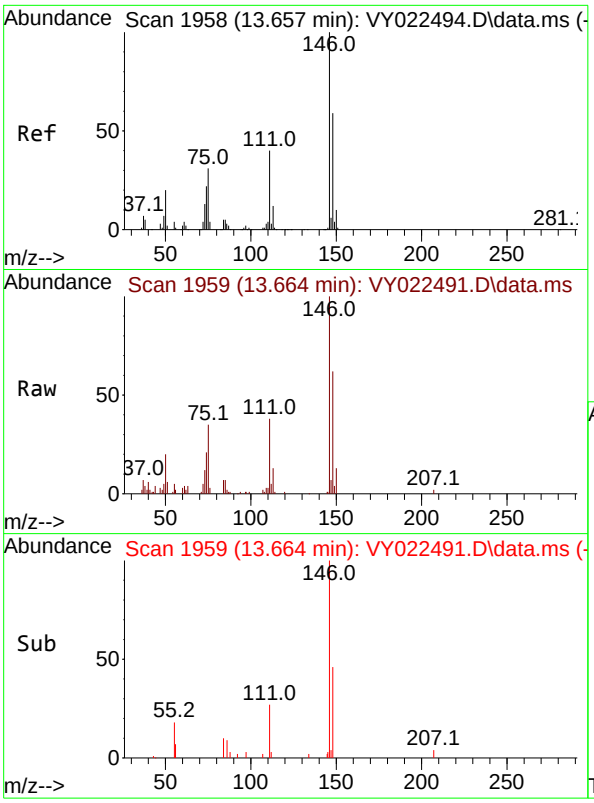


#90
Hexachloroethane
Concen: 4.506 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:117 Resp: 8072

Ion	Ratio	Lower	Upper
117	100		
201	69.9	34.0	102.0

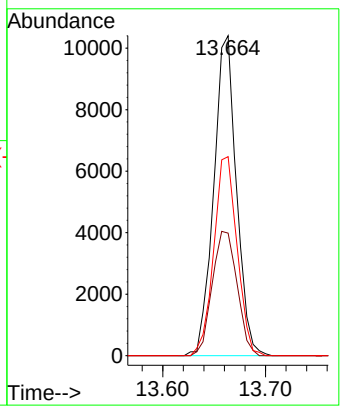




#91
1,2-Dichlorobenzene
Concen: 4.244 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:146 Resp: 1592

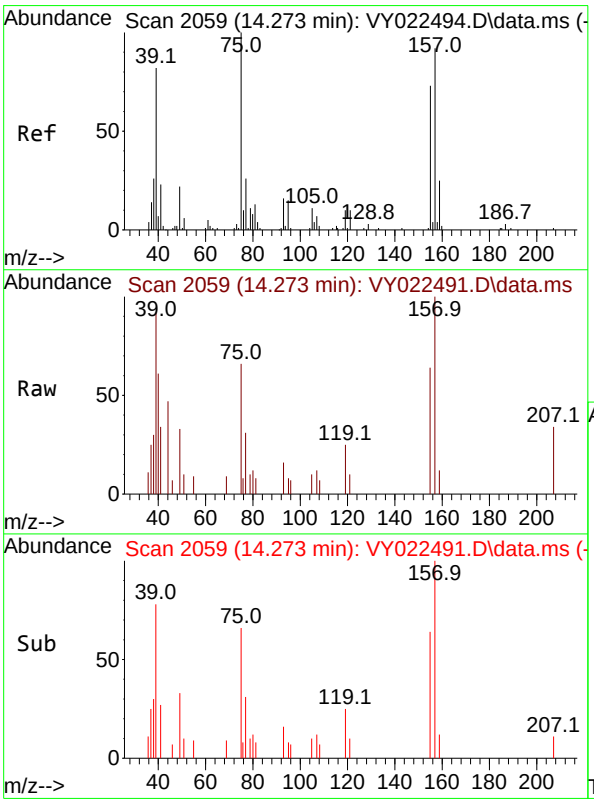
Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.2	60.6
148	64.0	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

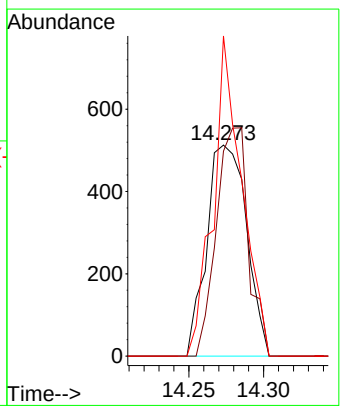
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

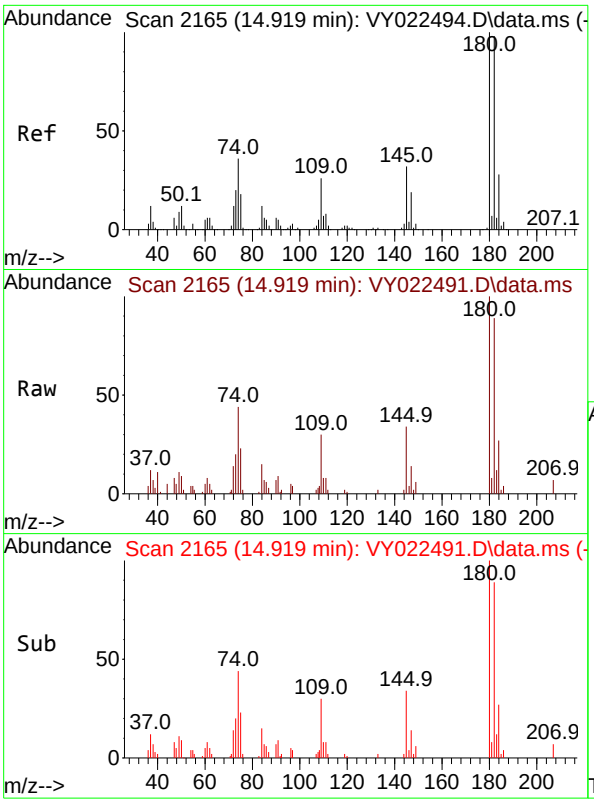


#92
1,2-Dibromo-3-Chloropropane
Concen: 3.754 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 75 Resp: 949

Ion	Ratio	Lower	Upper
75	100		
155	87.0	39.9	119.6
157	109.5	54.0	162.0

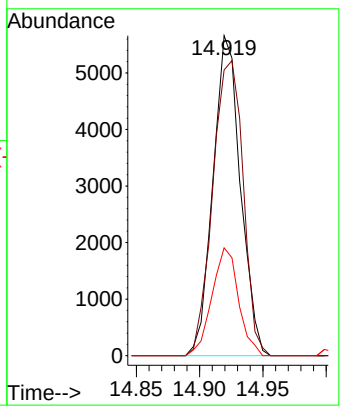




#93
1,2,4-Trichlorobenzene
Concen: 4.159 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:180 Resp: 852

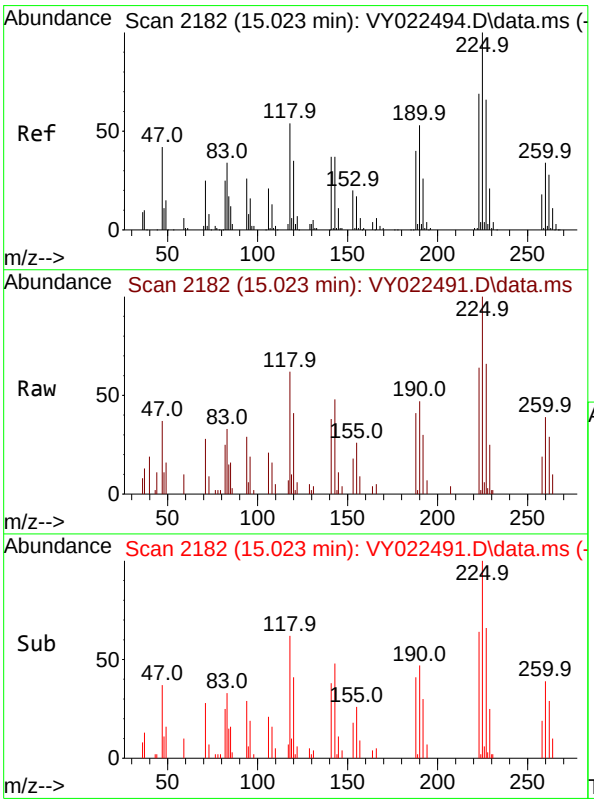
Ion	Ratio	Lower	Upper
180	100		
182	101.9	48.4	145.3
145	32.6	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

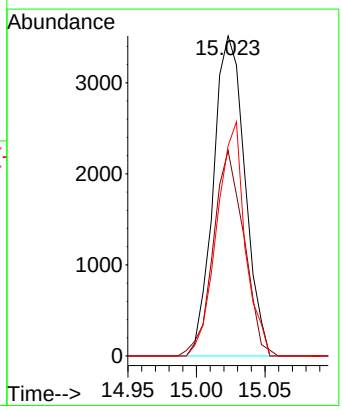
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

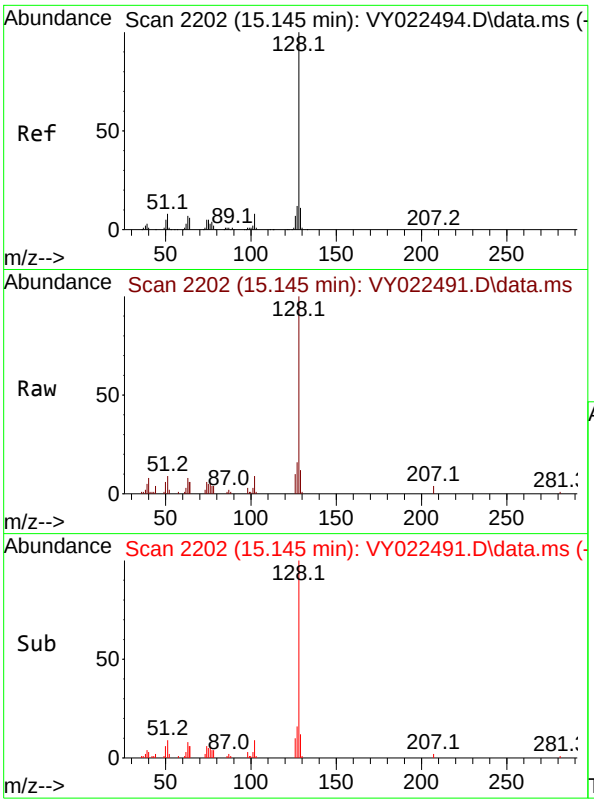


#94
Hexachlorobutadiene
Concen: 5.024 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:225 Resp: 5627

Ion	Ratio	Lower	Upper
225	100		
223	62.4	32.5	97.4
227	65.6	32.3	96.9

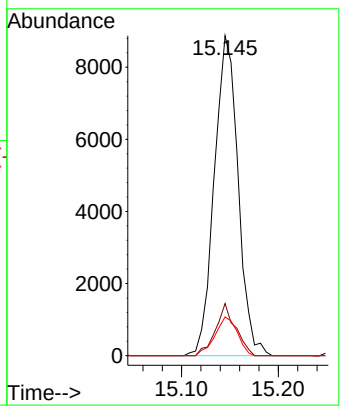




#95
Naphthalene
Concen: 3.859 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:128 Resp: 1516

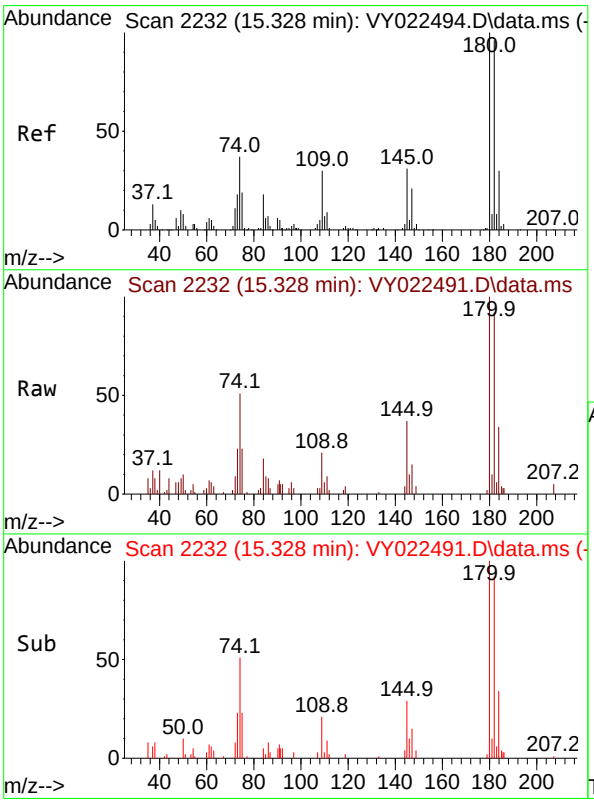
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.4	15.6
129	11.4	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

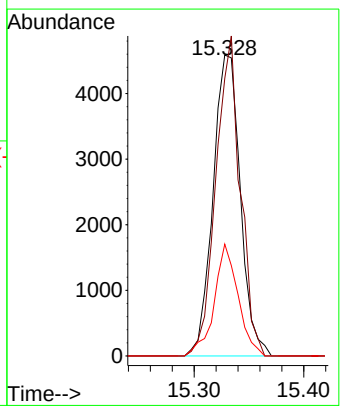
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.563 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:180 Resp: 7952

Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.1	141.3
145	32.5	15.2	45.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	211235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	366386	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	302825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	137338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	24246	10.549	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.100%#		
35) Dibromofluoromethane	7.646	113	20743	9.617	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.240%#		
50) Toluene-d8	10.109	98	86561	9.930	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.860%#		
62) 4-Bromofluorobenzene	12.408	95	24870	9.409	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.820%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	22911	12.412	ug/l	99
3) Chloromethane	2.068	50	67191	12.339	ug/l	99
4) Vinyl Chloride	2.202	62	76656	12.027	ug/l	97
5) Bromomethane	2.598	94	73289	12.157	ug/l	99
6) Chloroethane	2.739	64	53992	12.374	ug/l	99
7) Trichlorofluoromethane	3.056	101	63044	11.642	ug/l	97
8) Diethyl Ether	3.458	74	14144	11.826	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.824	101	25997	11.445	ug/l	99
10) Methyl Iodide	4.007	142	25590	10.505	ug/l	99
11) Tert butyl alcohol	4.891	59	9732	59.275	ug/l #	73
12) 1,1-Dichloroethene	3.799	96	24370	11.240	ug/l	99
13) Acrolein	3.671	56	9650	48.151	ug/l	94
14) Allyl chloride	4.391	41	38482	11.389	ug/l	95
15) Acrylonitrile	5.073	53	29150	57.299	ug/l	99
16) Acetone	3.885	43	25066	55.166	ug/l	98
17) Carbon Disulfide	4.110	76	79008	11.413	ug/l	99
18) Methyl Acetate	4.397	43	17228	12.603	ug/l	97
19) Methyl tert-butyl Ether	5.128	73	68336	11.296	ug/l	95
20) Methylene Chloride	4.622	84	29569	11.655	ug/l	96
21) trans-1,2-Dichloroethene	5.128	96	27493	11.350	ug/l	88
22) Diisopropyl ether	6.031	45	83814	11.156	ug/l	96
23) Vinyl Acetate	5.970	43	241364	54.152	ug/l	99
24) 1,1-Dichloroethane	5.927	63	50391	11.346	ug/l	96
25) 2-Butanone	6.909	43	36756	54.840	ug/l	95
26) 2,2-Dichloropropane	6.890	77	43605	11.045	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	30873	11.028	ug/l	99
28) Bromochloromethane	7.256	49	20132	10.491	ug/l	99
29) Tetrahydrofuran	7.274	42	25001	57.822	ug/l	97
30) Chloroform	7.427	83	49990	11.391	ug/l	89
31) Cyclohexane	7.707	56	51050	11.422	ug/l #	95
32) 1,1,1-Trichloroethane	7.628	97	43454	11.080	ug/l	97
36) 1,1-Dichloropropene	7.841	75	37532	10.765	ug/l	99
37) Ethyl Acetate	6.994	43	15914	10.371	ug/l #	93
38) Carbon Tetrachloride	7.829	117	37794	10.515	ug/l	100
39) Methylcyclohexane	9.115	83	49413	10.491	ug/l	97
40) Benzene	8.085	78	108934	10.600	ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	9043m	9.151	ug/l		
42) 1,2-Dichloroethane	8.164	62	31102	11.125	ug/l		99
43) Isopropyl Acetate	8.201	43	36411	10.859	ug/l		97
44) Trichloroethene	8.865	130	28431	11.325	ug/l		91
45) 1,2-Dichloropropane	9.146	63	26665	10.884	ug/l		97
46) Dibromomethane	9.237	93	14601m	10.637	ug/l		
47) Bromodichloromethane	9.426	83	38475	11.048	ug/l		96
48) Methyl methacrylate	9.225	41	16122	10.501	ug/l		98
49) 1,4-Dioxane	9.243	88	3535	215.881	ug/l		97
51) 4-Methyl-2-Pentanone	9.999	43	88634	53.259	ug/l		100
52) Toluene	10.176	92	68265	10.565	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	34307	10.649	ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	40229	10.649	ug/l		98
55) 1,1,2-Trichloroethane	10.579	97	18848	10.904	ug/l		94
56) Ethyl methacrylate	10.444	69	26171	10.426	ug/l		97
57) 1,3-Dichloropropane	10.719	76	33836	10.991	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	52396	46.819	ug/l		99
59) 2-Hexanone	10.761	43	57738	52.045	ug/l		100
60) Dibromochloromethane	10.914	129	23423	10.694	ug/l		99
61) 1,2-Dibromoethane	11.018	107	17302	10.847	ug/l		96
64) Tetrachloroethene	10.652	164	28680	11.144	ug/l		97
65) Chlorobenzene	11.444	112	70845	10.789	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	23209	10.427	ug/l		96
67) Ethyl Benzene	11.524	91	126556	10.350	ug/l		100
68) m/p-Xylenes	11.633	106	94535	20.427	ug/l		99
69) o-Xylene	11.956	106	45374	10.476	ug/l		99
70) Styrene	11.975	104	72373	10.092	ug/l		98
71) Bromoform	12.133	173	12637	10.804	ug/l	#	99
73) Isopropylbenzene	12.255	105	118344	10.695	ug/l		99
74) N-amyl acetate	12.072	43	29609	10.581	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	20264	11.276	ug/l		96
76) 1,2,3-Trichloropropane	12.560	75	16751m	9.239	ug/l		
77) Bromobenzene	12.536	156	25392	10.827	ug/l		98
78) n-propylbenzene	12.597	91	143414	10.648	ug/l		100
79) 2-Chlorotoluene	12.682	91	75325	10.591	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	91121	10.532	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	7009	11.084	ug/l		96
82) 4-Chlorotoluene	12.779	91	78689	10.676	ug/l		100
83) tert-Butylbenzene	12.999	119	81823	10.367	ug/l		97
84) 1,2,4-Trimethylbenzene	13.048	105	90848	10.495	ug/l		98
85) sec-Butylbenzene	13.176	105	127776	10.678	ug/l		100
86) p-Isopropyltoluene	13.291	119	99940	10.158	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	48971	10.437	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	49834	10.900	ug/l		98
89) n-Butylbenzene	13.621	91	97544	10.413	ug/l		99
90) Hexachloroethane	13.877	117	20466	10.631	ug/l		96
91) 1,2-Dichlorobenzene	13.663	146	43460	10.781	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3014	11.095	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	23710	10.760	ug/l		98
94) Hexachlorobutadiene	15.023	225	13179	10.951	ug/l		99
95) Naphthalene	15.145	128	44061	10.434	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	19814	10.581	ug/l		96

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 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

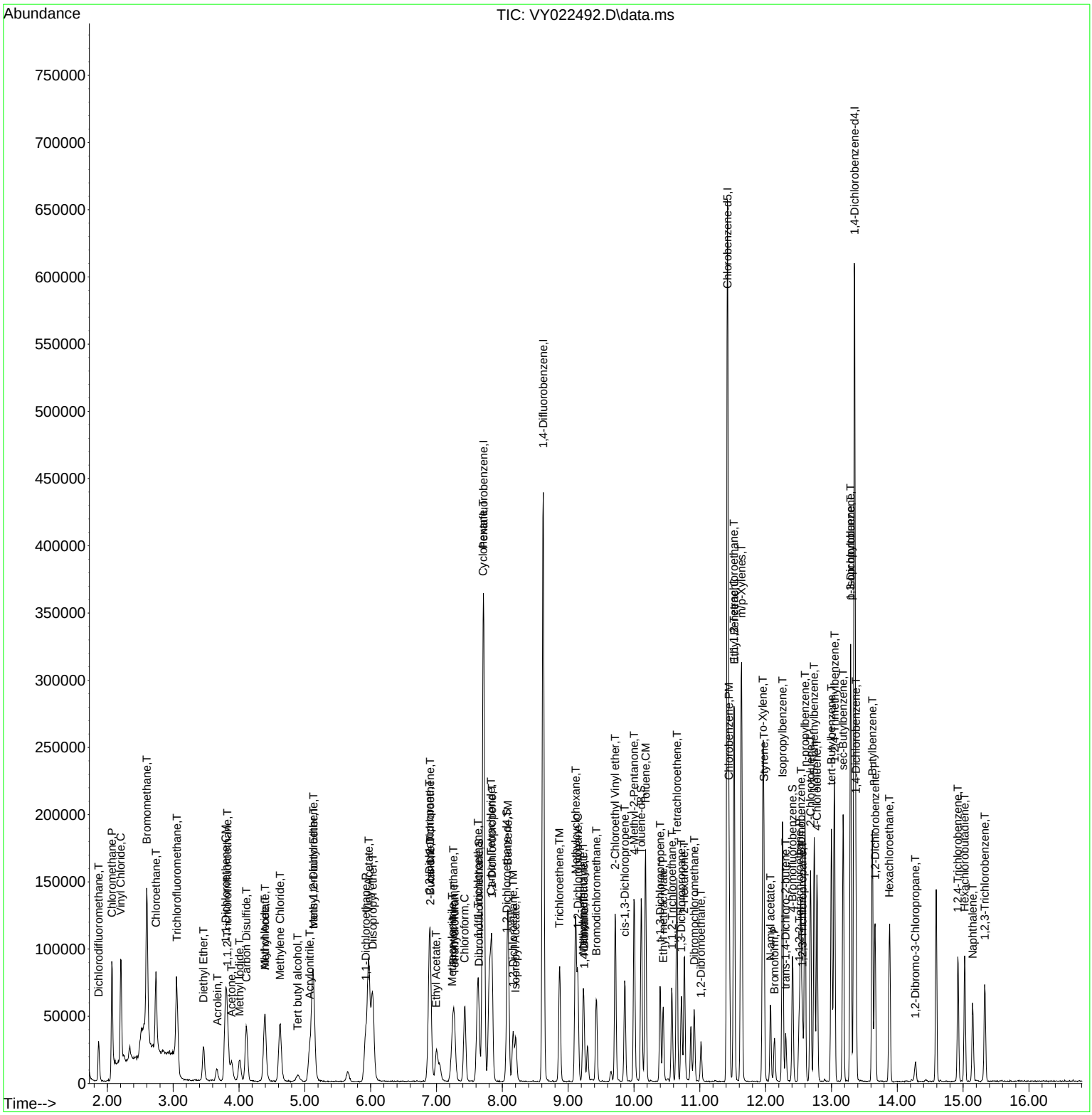
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

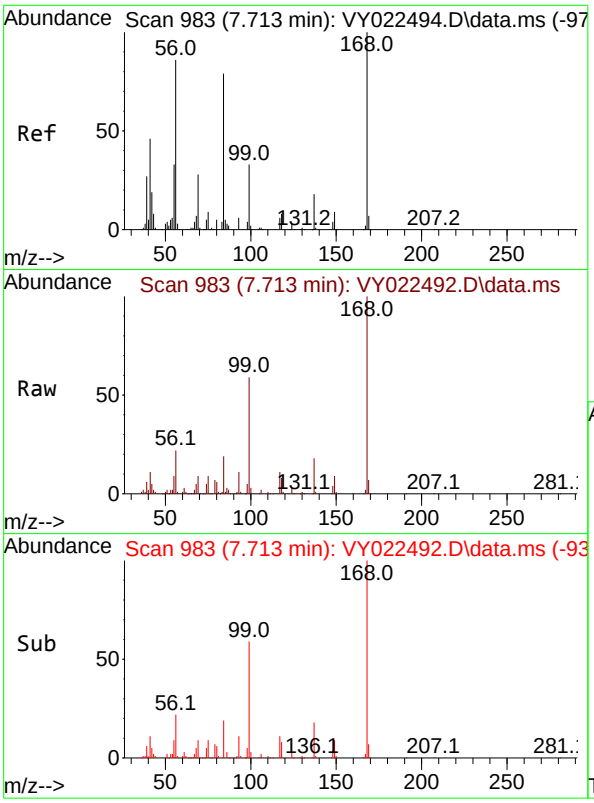
Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

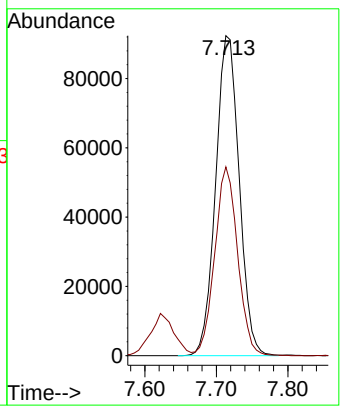
Tgt Ion:168 Resp: 21123

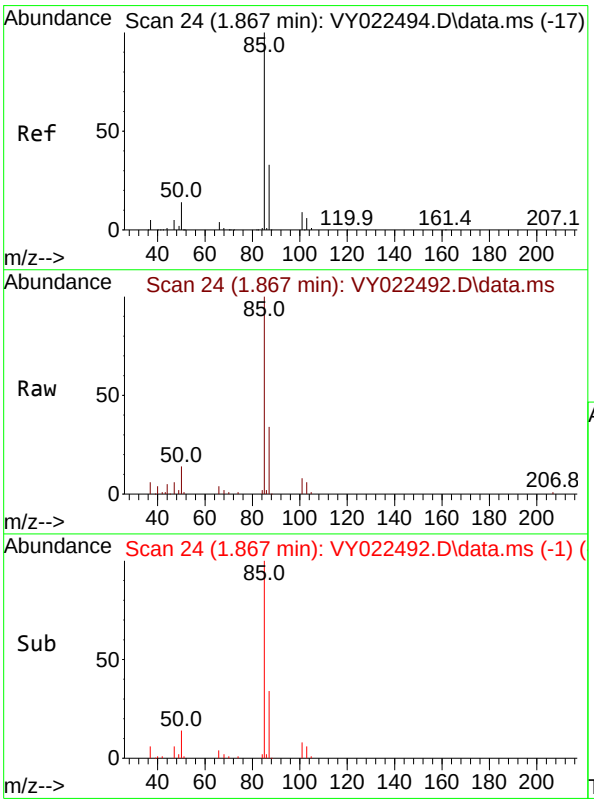
Ion	Ratio	Lower	Upper
168	100		
99	58.9	44.3	66.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

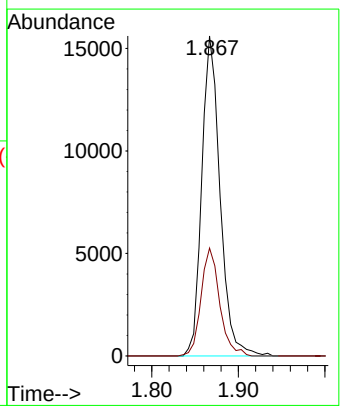


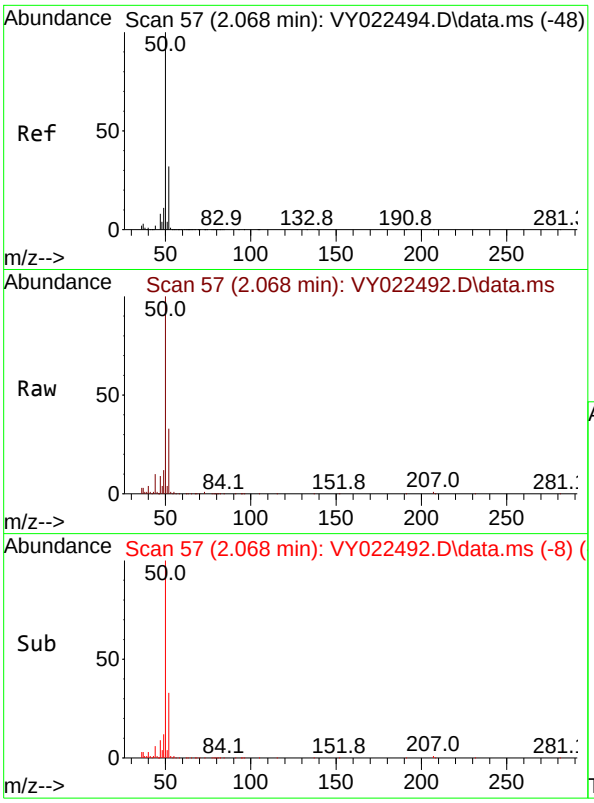


#2
Dichlorodifluoromethane
Concen: 12.412 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 85 Resp: 22911

Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.7	50.0

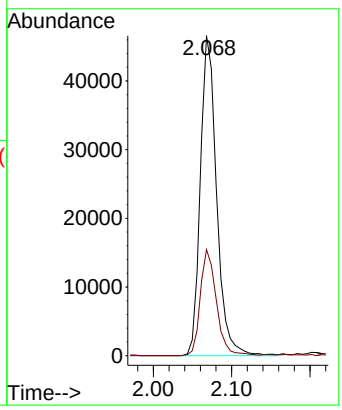




#3
Chloromethane
Concen: 12.339 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 50 Resp: 6719

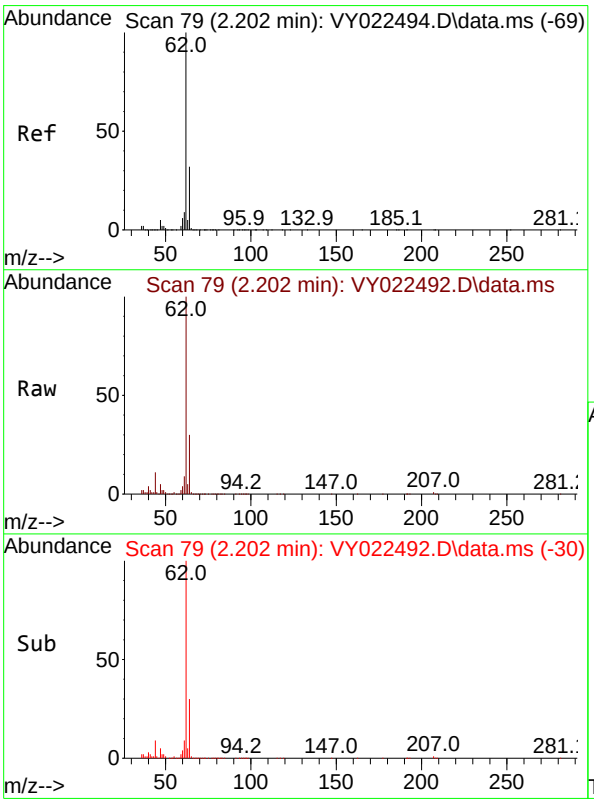
Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

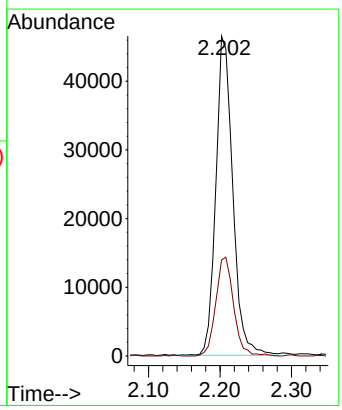
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

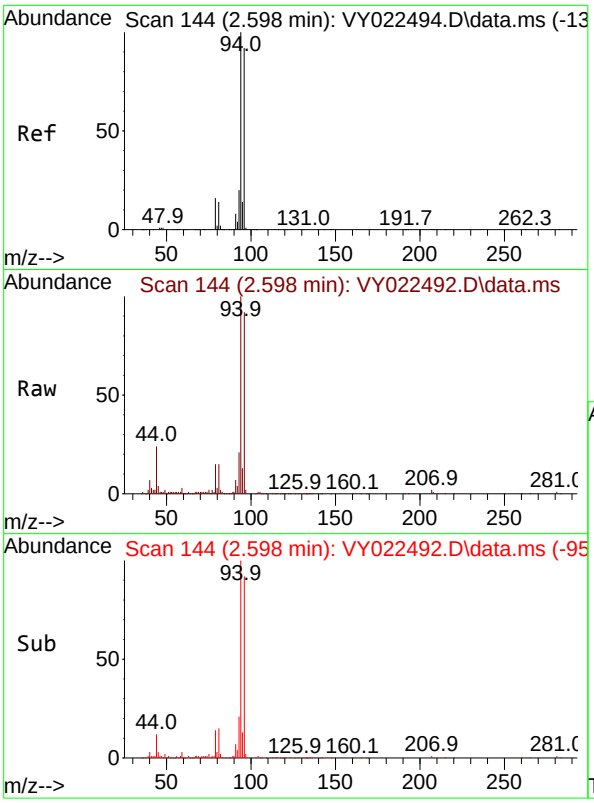


#4
Vinyl Chloride
Concen: 12.027 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 62 Resp: 76656

Ion	Ratio	Lower	Upper
62	100		
64	30.1	25.3	37.9





#5
Bromomethane
Concen: 12.157 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

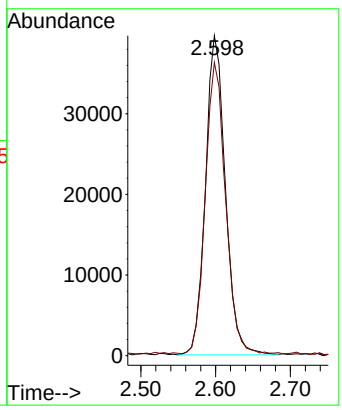
Tgt Ion: 94 Resp: 7328

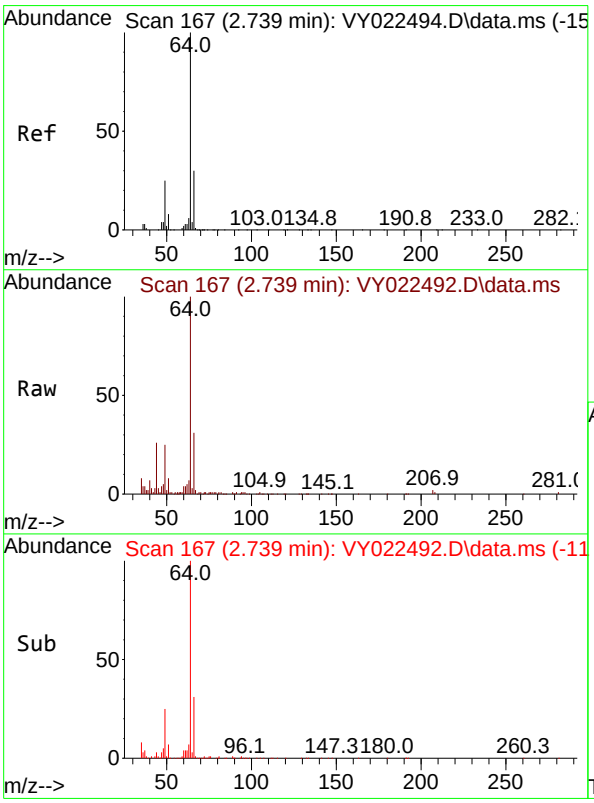
Ion	Ratio	Lower	Upper
94	100		
96	91.1	74.0	111.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

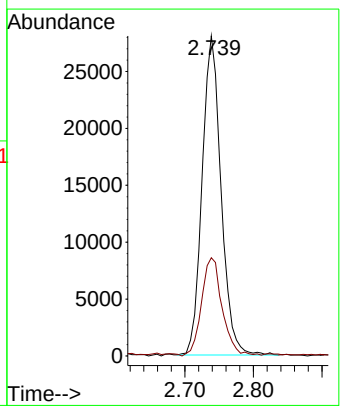


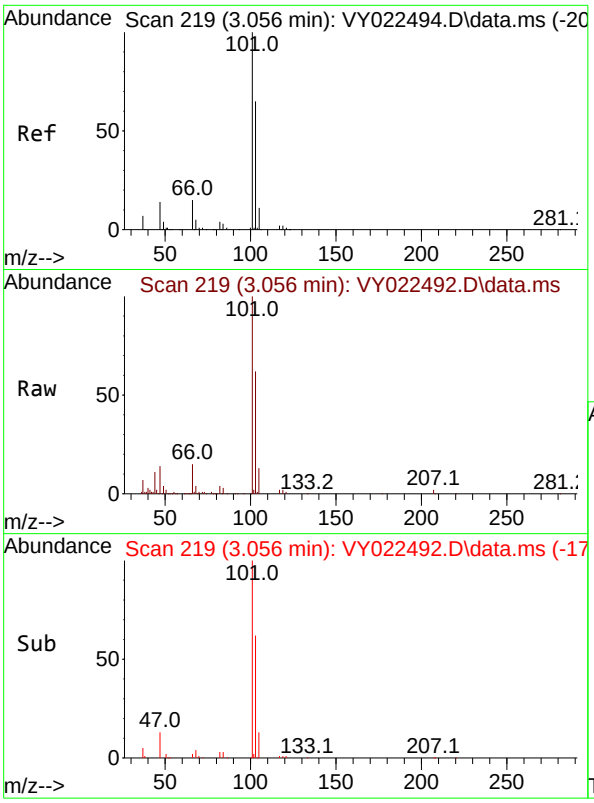


#6
Chloroethane
Concen: 12.374 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 64 Resp: 53992

Ion	Ratio	Lower	Upper
64	100		
66	30.3	23.8	35.6

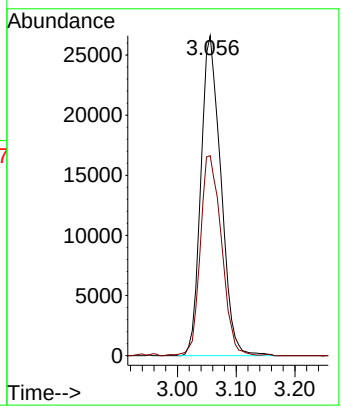




#7
Trichlorofluoromethane
Concen: 11.642 ug/l
RT: 3.056 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:101 Resp: 6304

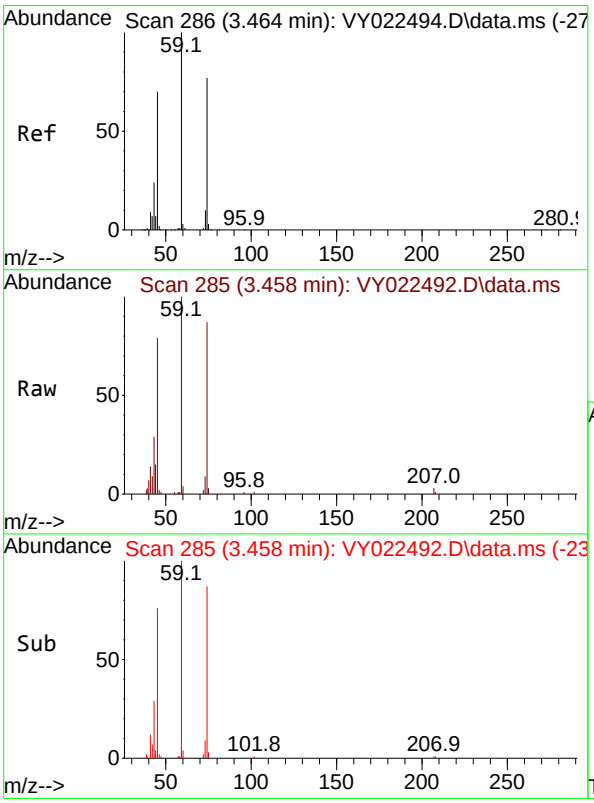
Ion	Ratio	Lower	Upper
101	100		
103	62.5	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

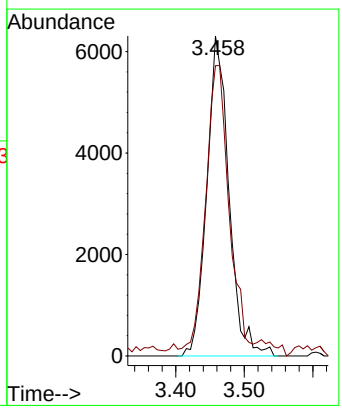
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

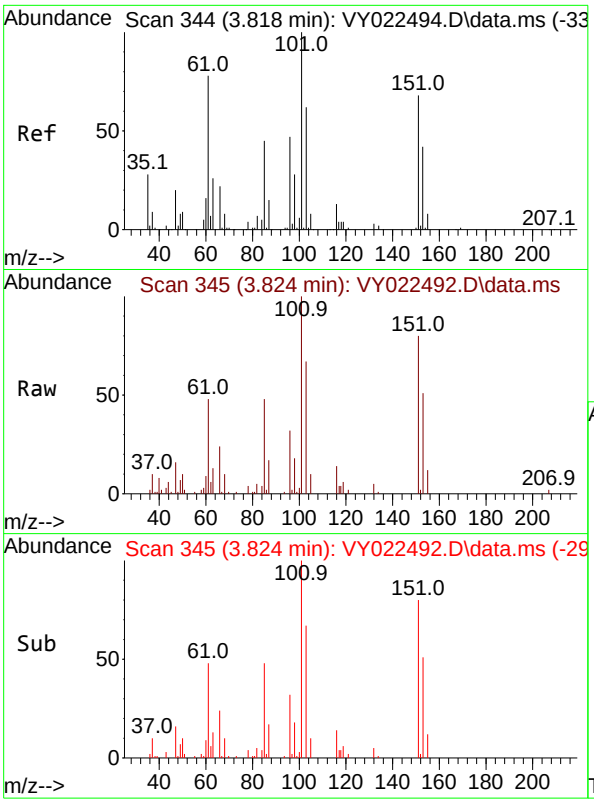


#8
Diethyl Ether
Concen: 11.826 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 74 Resp: 14144

Ion	Ratio	Lower	Upper
74	100		
45	91.9	45.9	137.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.445 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

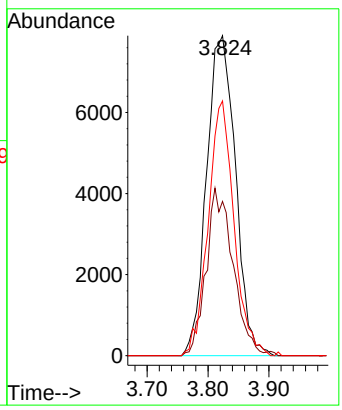
Tgt Ion:101 Resp: 2599

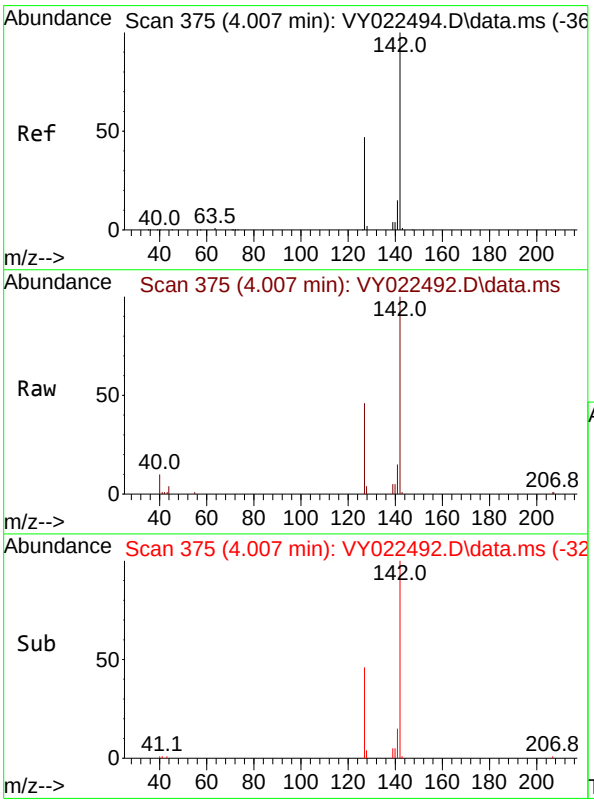
Ion	Ratio	Lower	Upper
101	100		
85	48.6	39.3	58.9
151	71.3	57.8	86.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

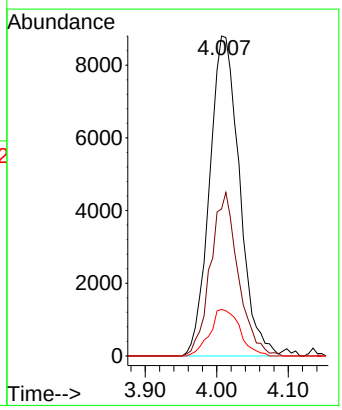


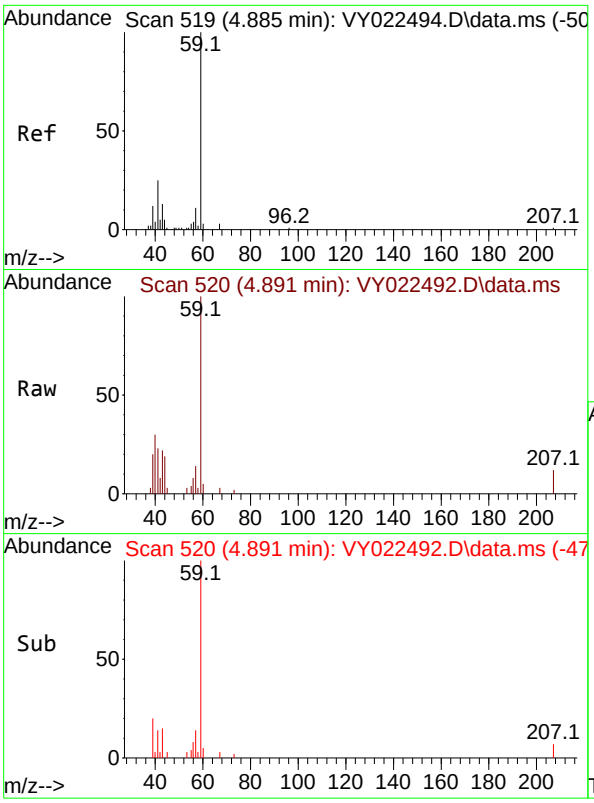


#10
Methyl Iodide
Concen: 10.505 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:142 Resp: 25590

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.1	55.7
141	14.6	11.4	17.2

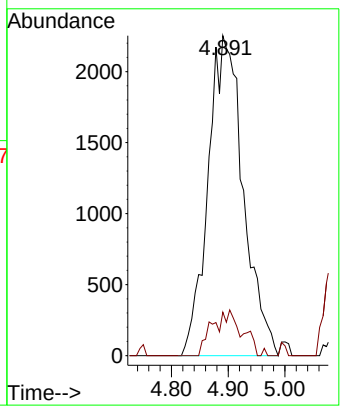




#11
Tert butyl alcohol
Concen: 59.275 ug/l
RT: 4.891 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 59 Resp: 973

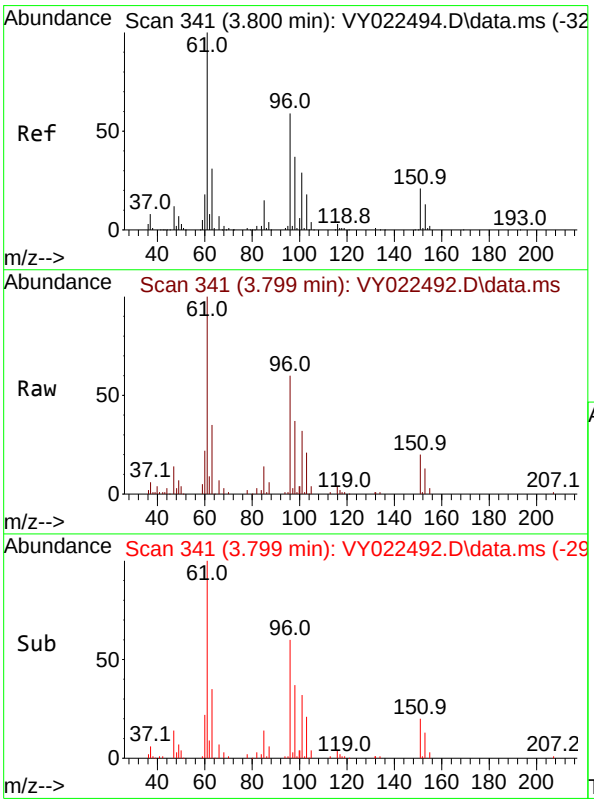
Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.0	12.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

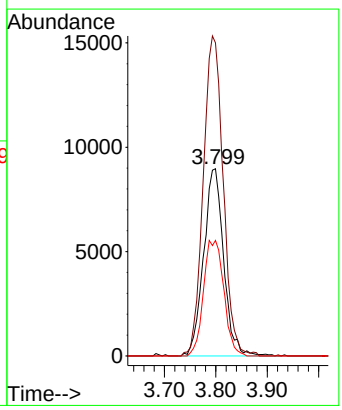
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

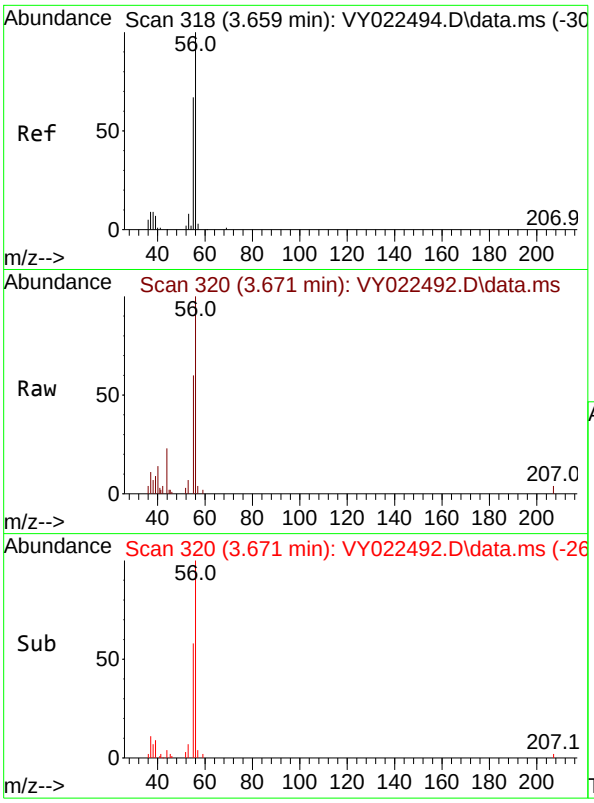


#12
1,1-Dichloroethene
Concen: 11.240 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 96 Resp: 24370

Ion	Ratio	Lower	Upper
96	100		
61	167.3	134.6	201.8
98	61.7	50.2	75.4

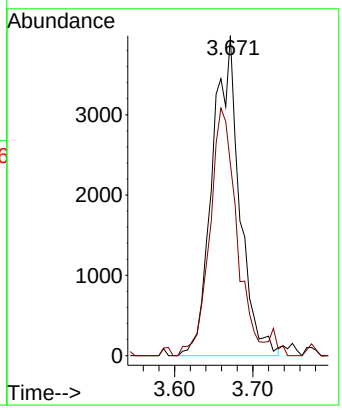




#13
Acrolein
Concen: 48.151 ug/l
RT: 3.671 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 56 Resp: 965

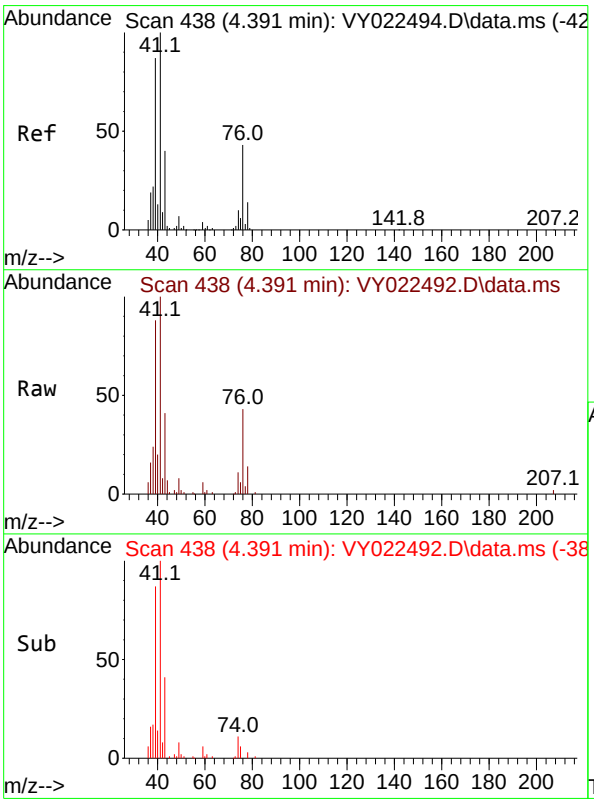
Ion	Ratio	Lower	Upper
56	100		
55	76.0	57.0	85.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

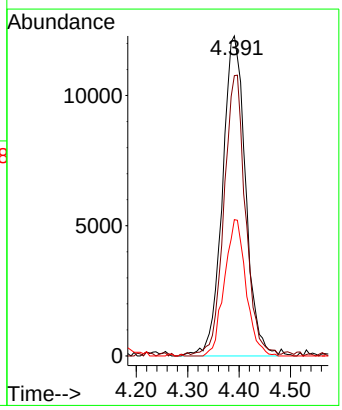
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

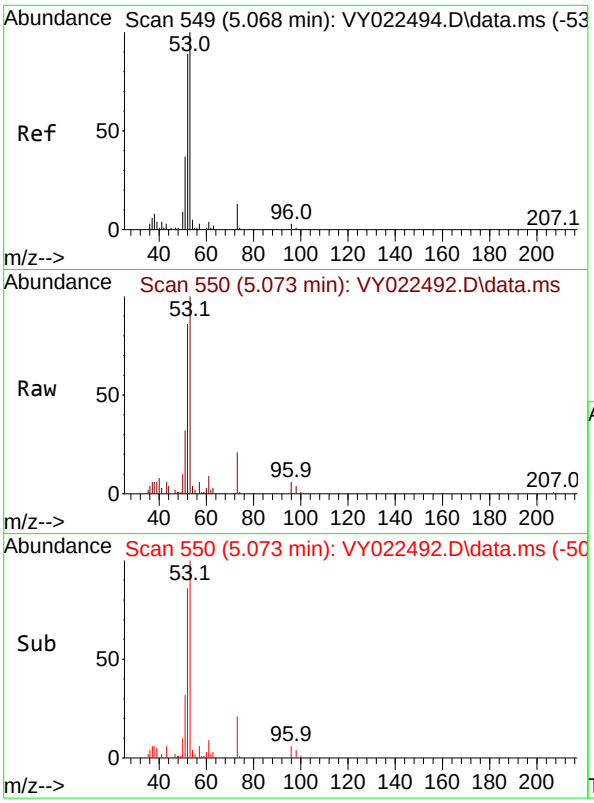


#14
Allyl chloride
Concen: 11.389 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 41 Resp: 38482

Ion	Ratio	Lower	Upper
41	100		
39	80.5	69.1	103.7
76	39.7	33.5	50.3

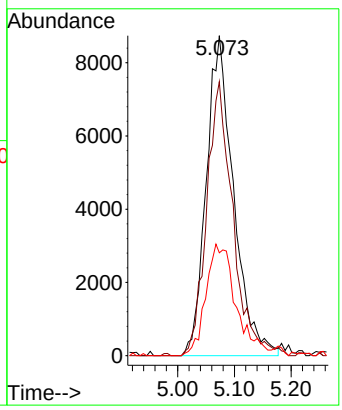




#15
Acrylonitrile
Concen: 57.299 ug/l
RT: 5.073 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 53 Resp: 2915

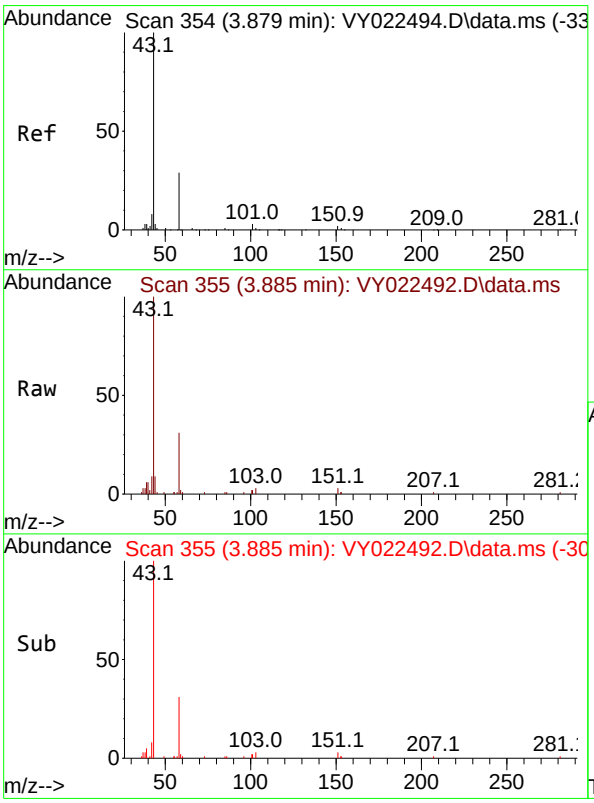
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.7	98.5
51	38.3	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

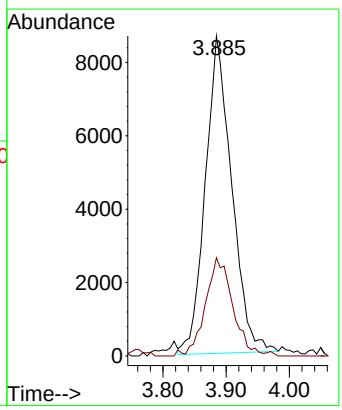
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

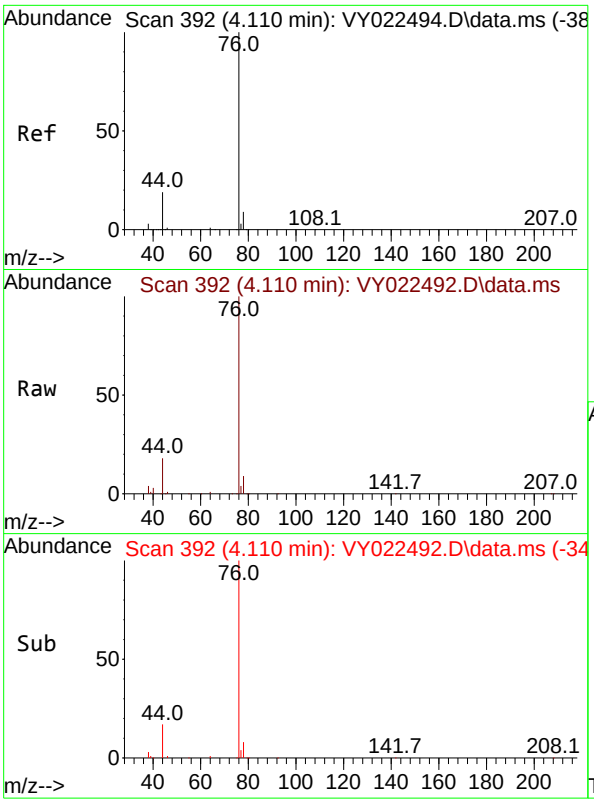


#16
Acetone
Concen: 55.166 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 25066

Ion	Ratio	Lower	Upper
43	100		
58	31.1	24.0	36.0





#17
Carbon Disulfide
Concen: 11.413 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

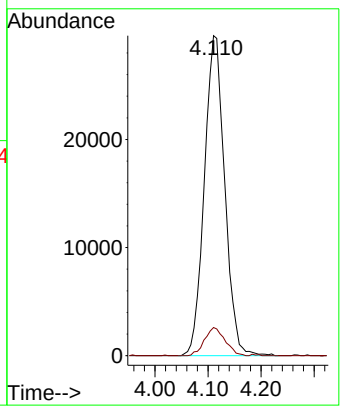
Tgt Ion: 76 Resp: 7900

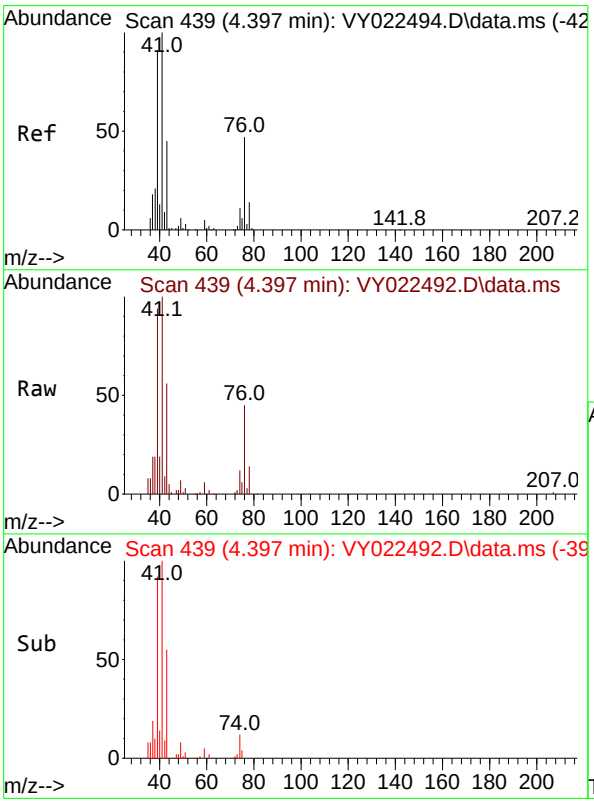
Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

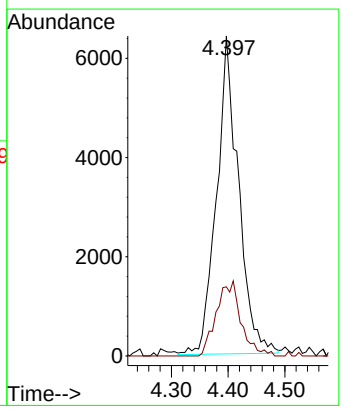


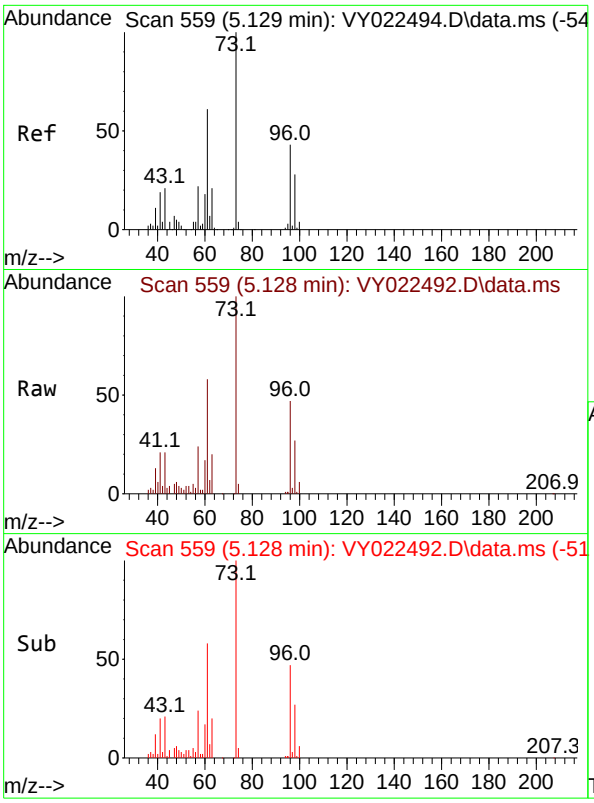


#18
Methyl Acetate
Concen: 12.603 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 17228

Ion	Ratio	Lower	Upper
43	100		
74	26.4	19.8	29.6

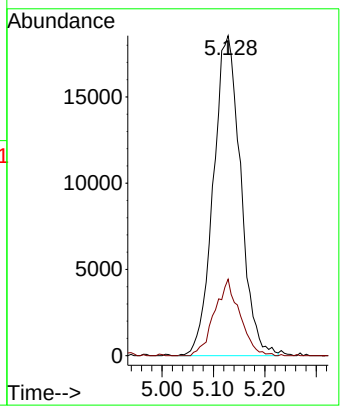




#19
Methyl tert-butyl Ether
Concen: 11.296 ug/l
RT: 5.128 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 73 Resp: 6833

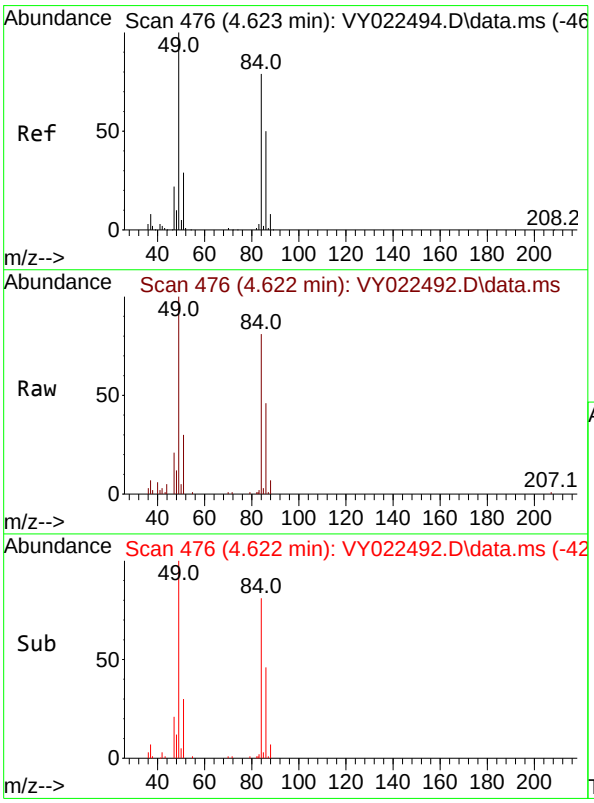
Ion	Ratio	Lower	Upper
73	100		
57	23.9	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

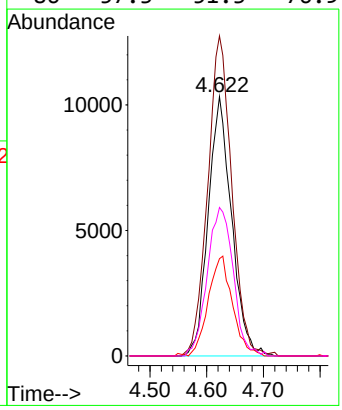
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

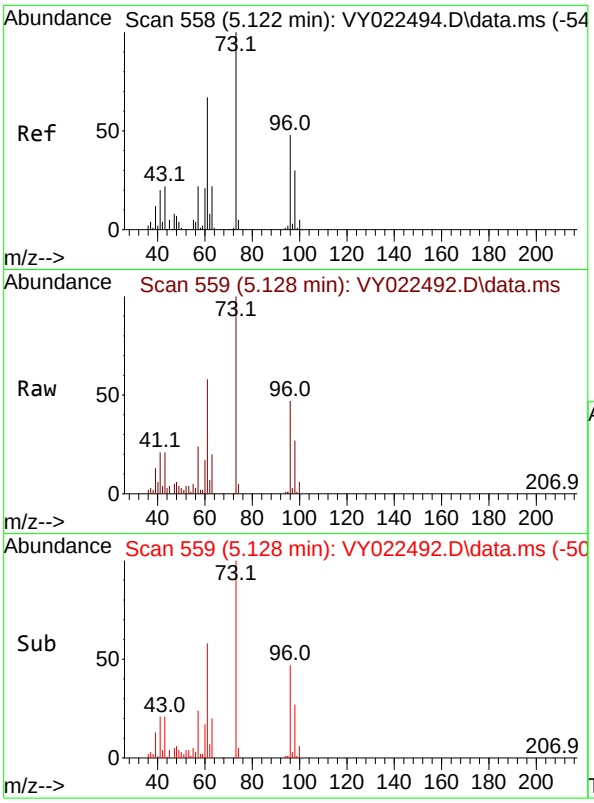


#20
Methylene Chloride
Concen: 11.655 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 84 Resp: 29569

Ion	Ratio	Lower	Upper
84	100		
49	123.4	101.9	152.9
51	37.5	29.8	44.8
86	57.3	51.3	76.9

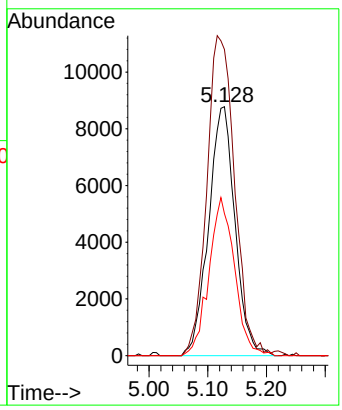




#21
trans-1,2-Dichloroethene
Concen: 11.350 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 96 Resp: 2749

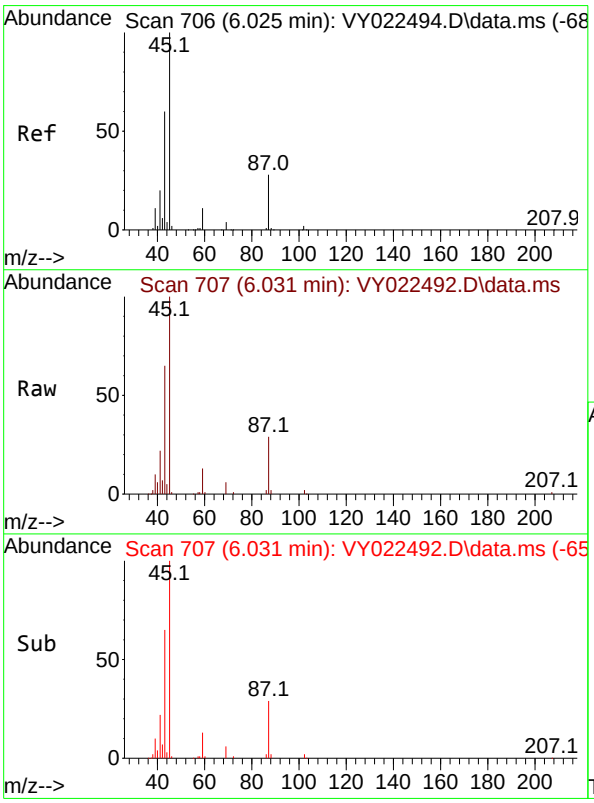
Ion	Ratio	Lower	Upper
96	100		
61	123.0	112.6	169.0
98	57.1	50.6	75.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

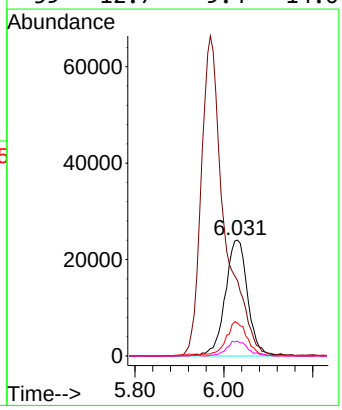
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

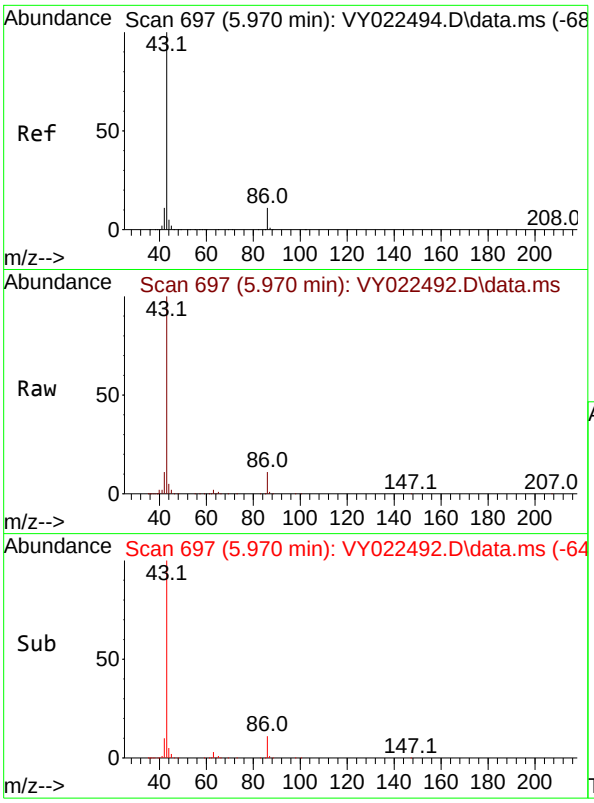


#22
Diisopropyl ether
Concen: 11.156 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 45 Resp: 83814

Ion	Ratio	Lower	Upper
45	100		
43	64.5	48.3	72.5
87	28.5	23.0	34.6
59	12.7	9.4	14.0





#23
Vinyl Acetate
Concen: 54.152 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

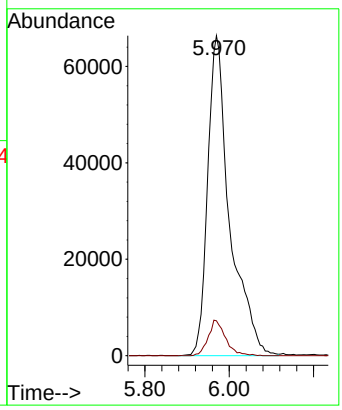
Tgt Ion: 43 Resp: 24136

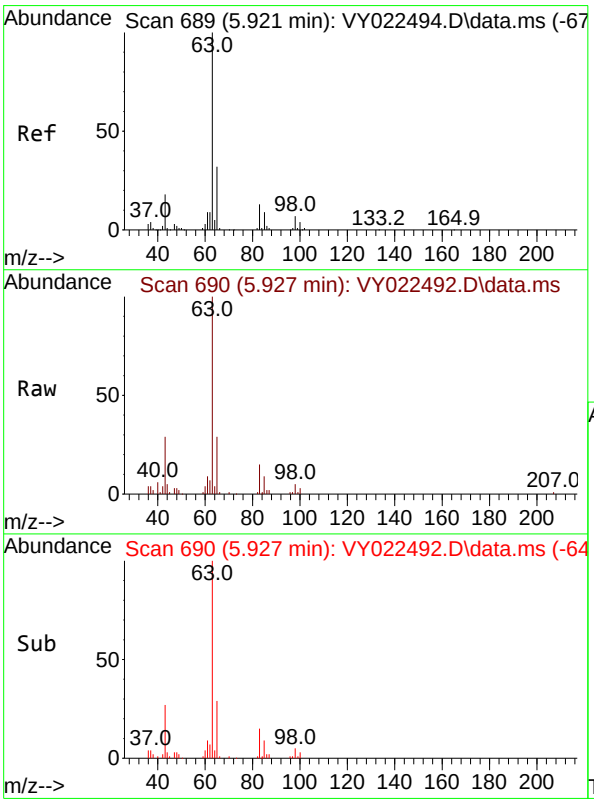
Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.6	12.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

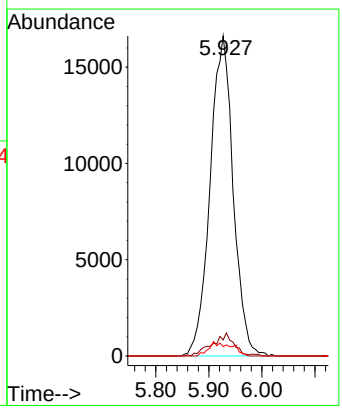


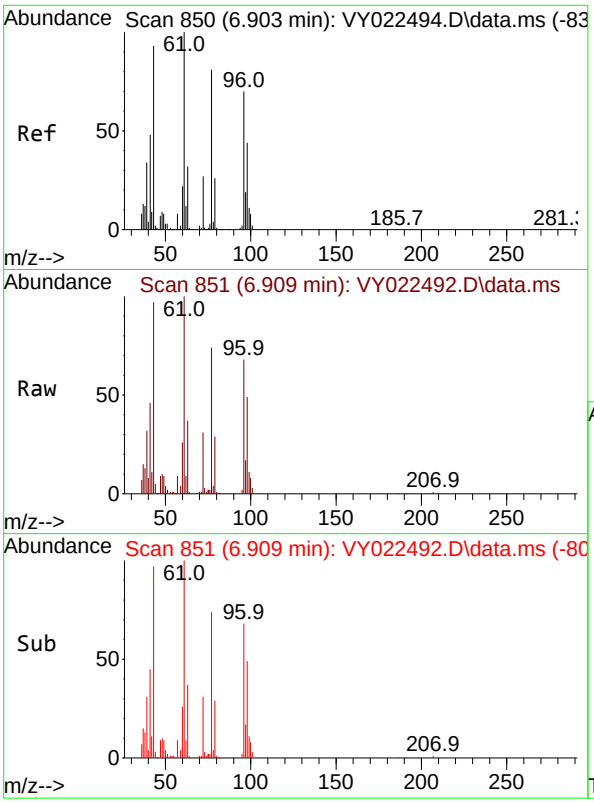


#24
1,1-Dichloroethane
Concen: 11.346 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 63 Resp: 50391

Ion	Ratio	Lower	Upper
63	100		
98	5.0	3.4	10.1
100	3.0	2.1	6.3





#25
2-Butanone
Concen: 54.840 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

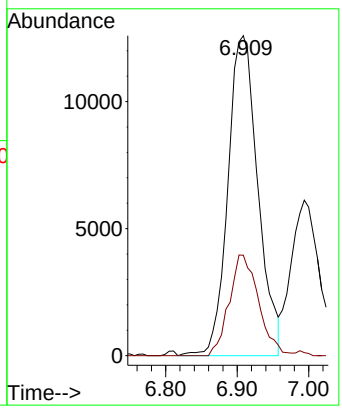
Tgt Ion: 43 Resp: 3675

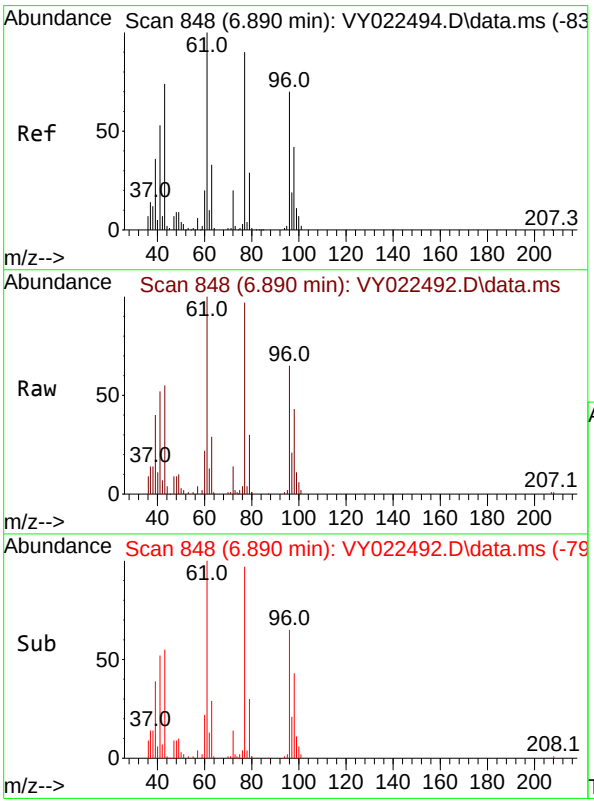
Ion	Ratio	Lower	Upper
43	100		
72	31.4	22.9	34.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

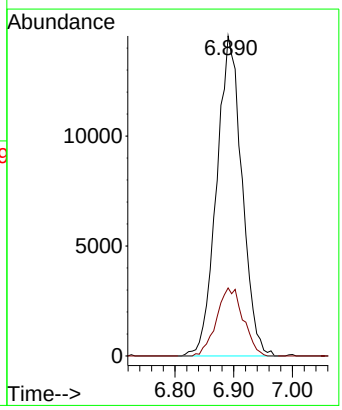


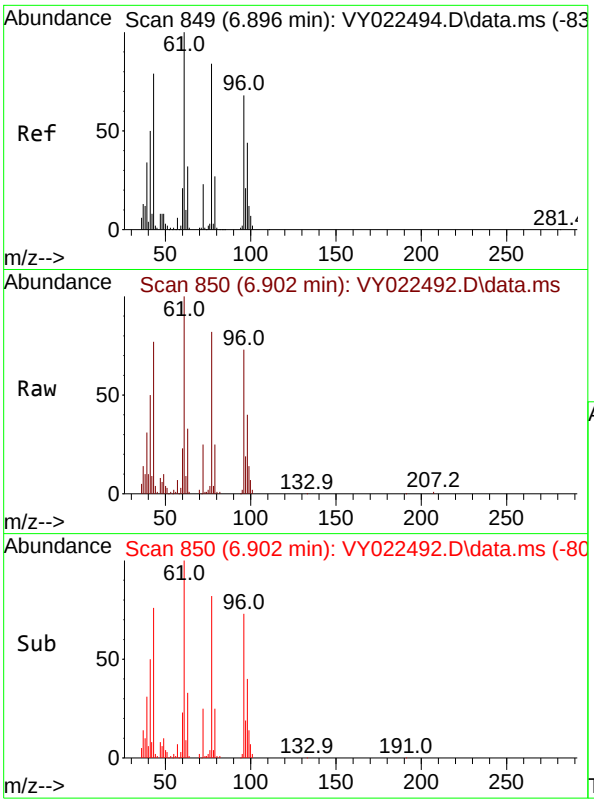


#26
2,2-Dichloropropane
Concen: 11.045 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 77 Resp: 43605

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.4	34.2





#27
cis-1,2-Dichloroethene
Concen: 11.028 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

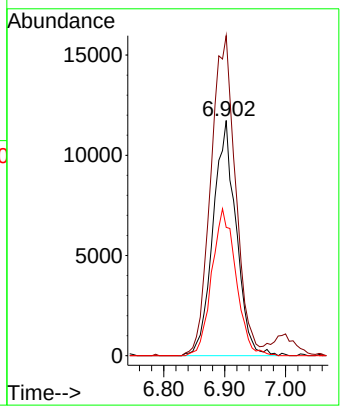
Tgt Ion: 96 Resp: 3087

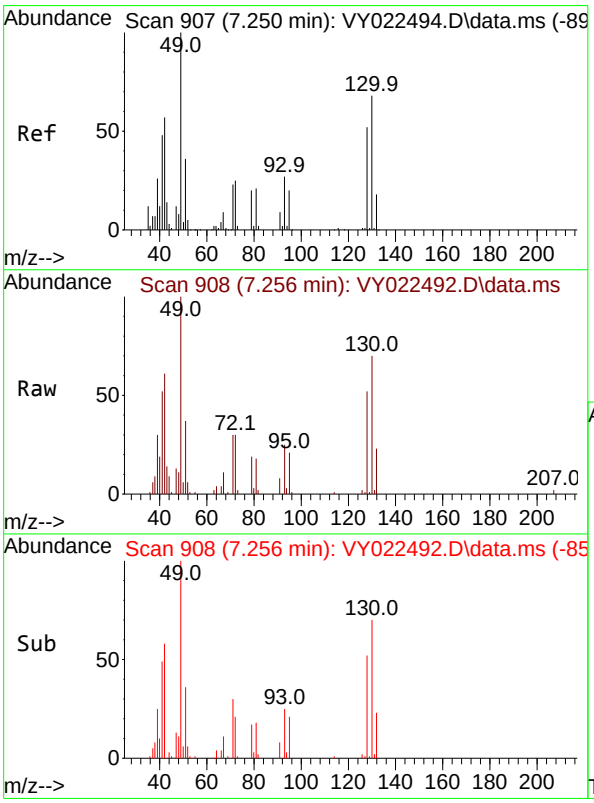
Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	290.0
98	65.3	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

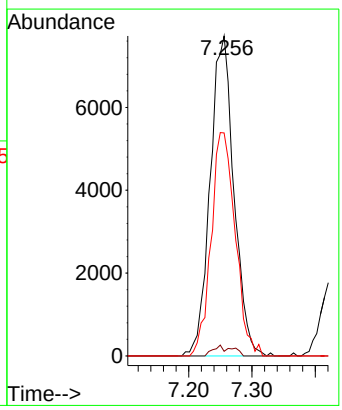


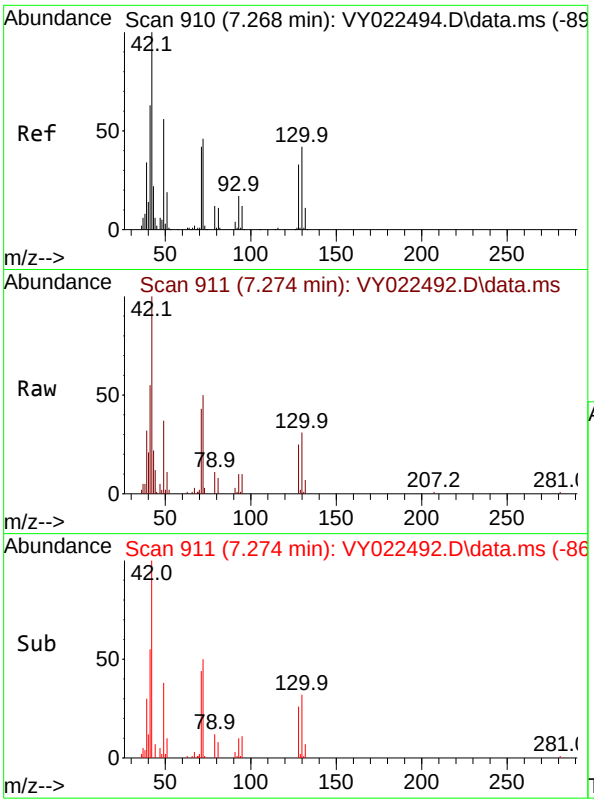


#28
Bromochloromethane
Concen: 10.491 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 49 Resp: 20132

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.6
130	70.8	55.7	83.5





#29
Tetrahydrofuran
Concen: 57.822 ug/l
RT: 7.274 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

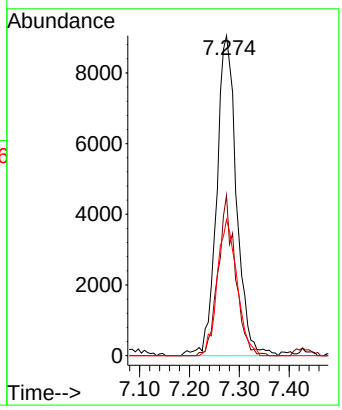
Tgt Ion: 42 Resp: 2500

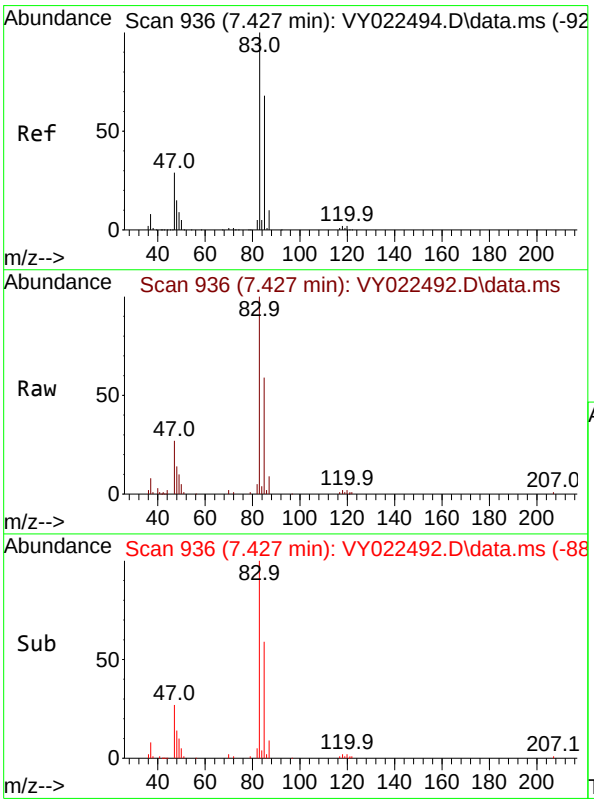
Ion	Ratio	Lower	Upper
42	100		
72	43.5	37.4	56.2
71	42.5	34.2	51.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

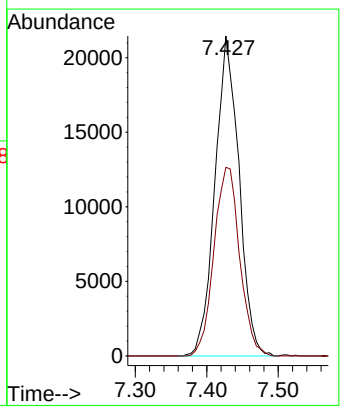


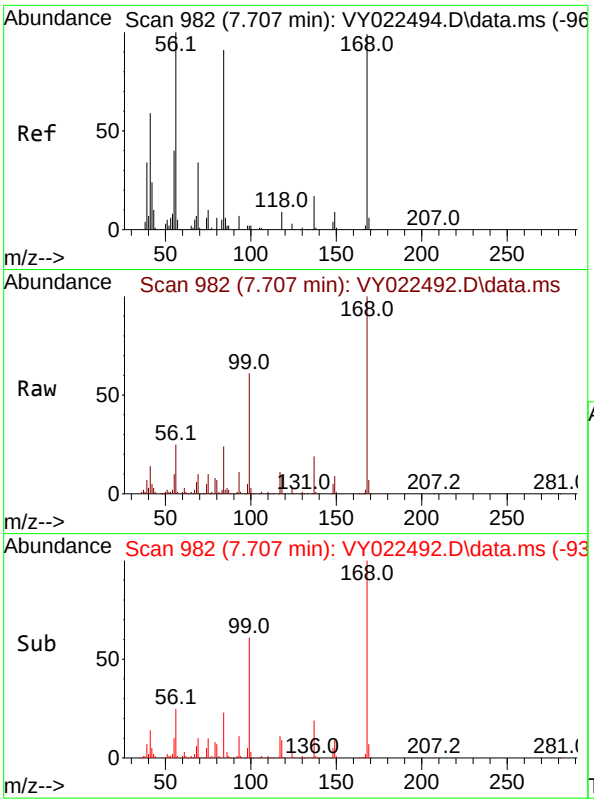


#30
Chloroform
Concen: 11.391 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 83 Resp: 49990

Ion	Ratio	Lower	Upper
83	100		
85	59.0	54.2	81.4





#31
Cyclohexane
Concen: 11.422 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

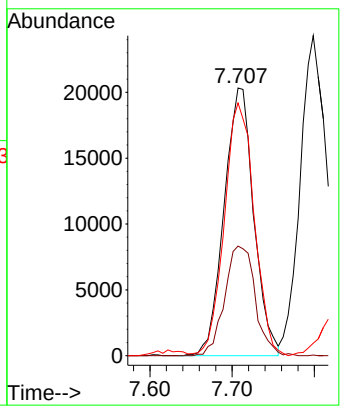
Tgt Ion: 56 Resp: 5105

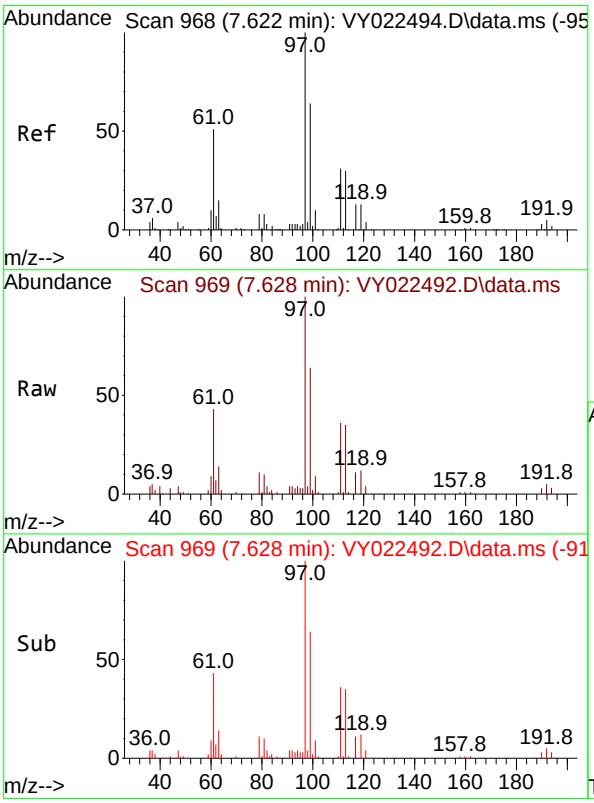
Ion	Ratio	Lower	Upper
56	100		
69	40.9	27.0	40.6
84	92.7	72.6	109.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

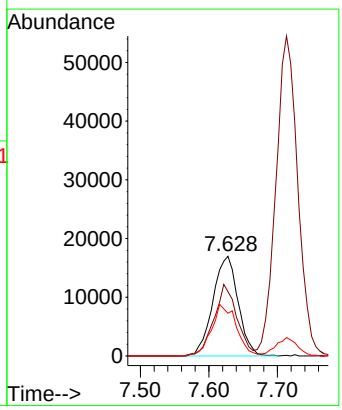


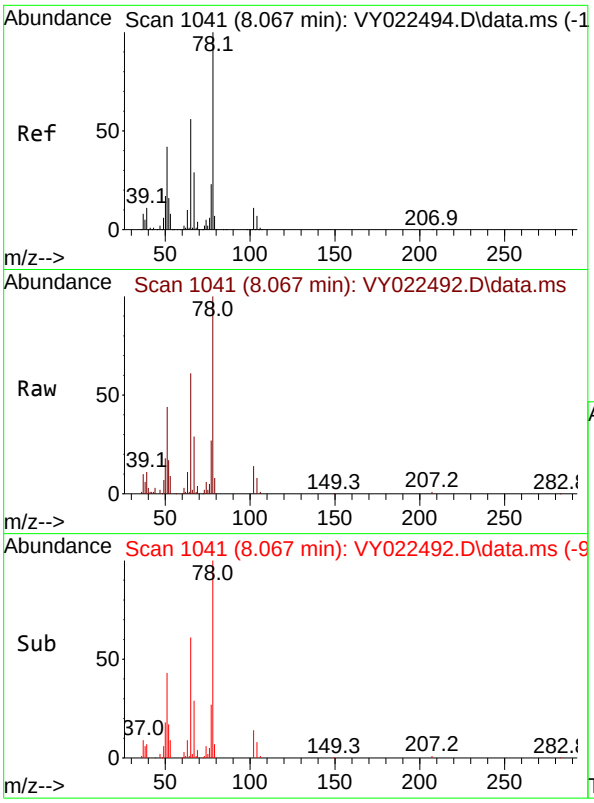


#32
1,1,1-Trichloroethane
Concen: 11.080 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 97 Resp: 43454

Ion	Ratio	Lower	Upper
97	100		
99	65.1	50.9	76.3
61	50.6	38.5	57.7

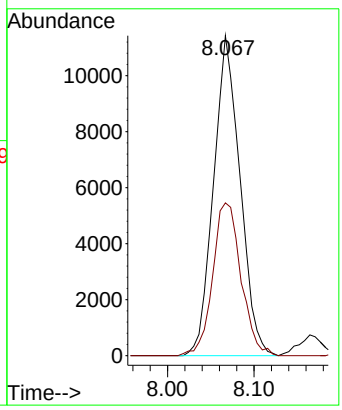




#33
1,2-Dichloroethane-d4
Concen: 10.549 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 65 Resp: 2424

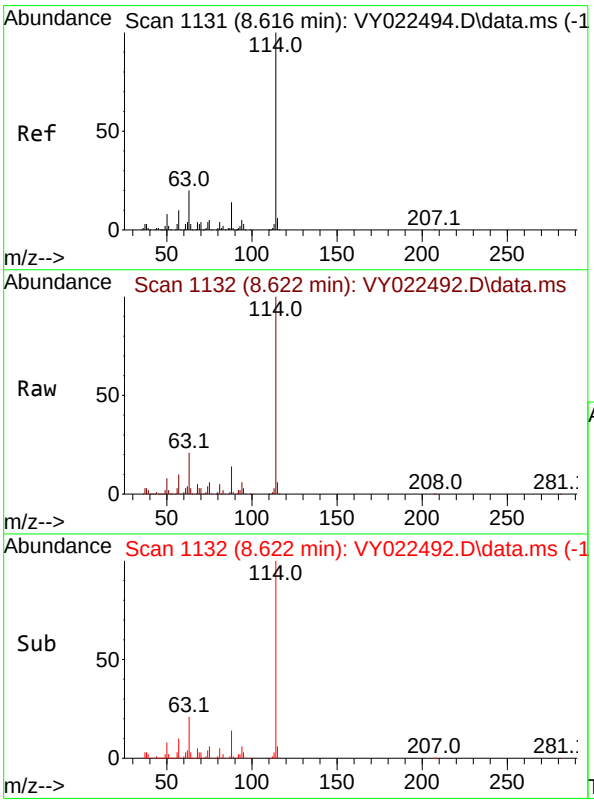
Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

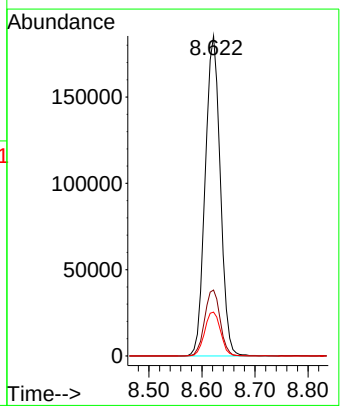
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

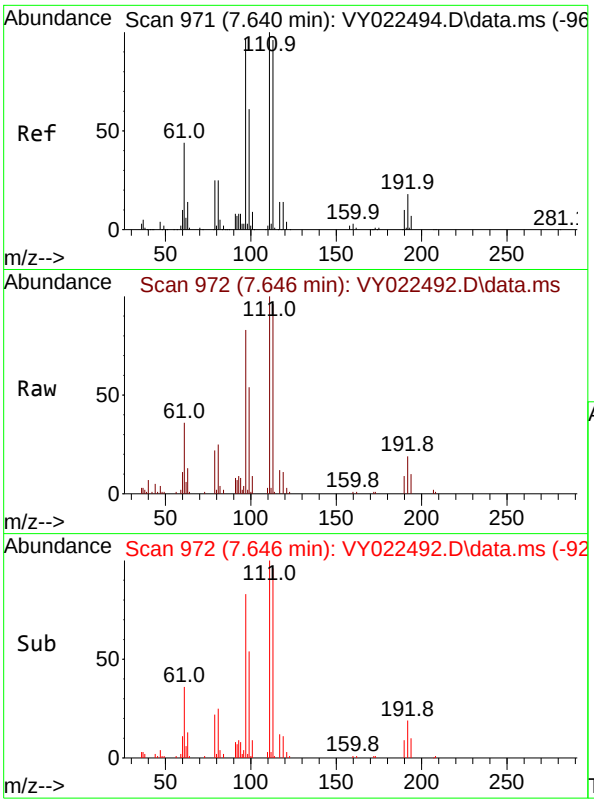


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:114 Resp: 366386

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	13.7	0.0	27.8





#35
Dibromofluoromethane
Concen: 9.617 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

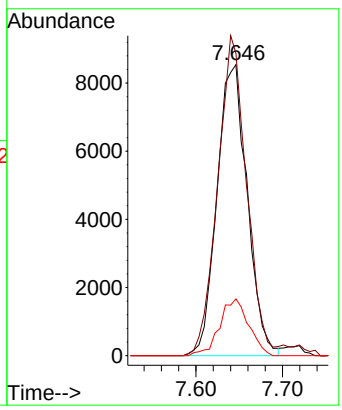
Tgt Ion:113 Resp: 2074

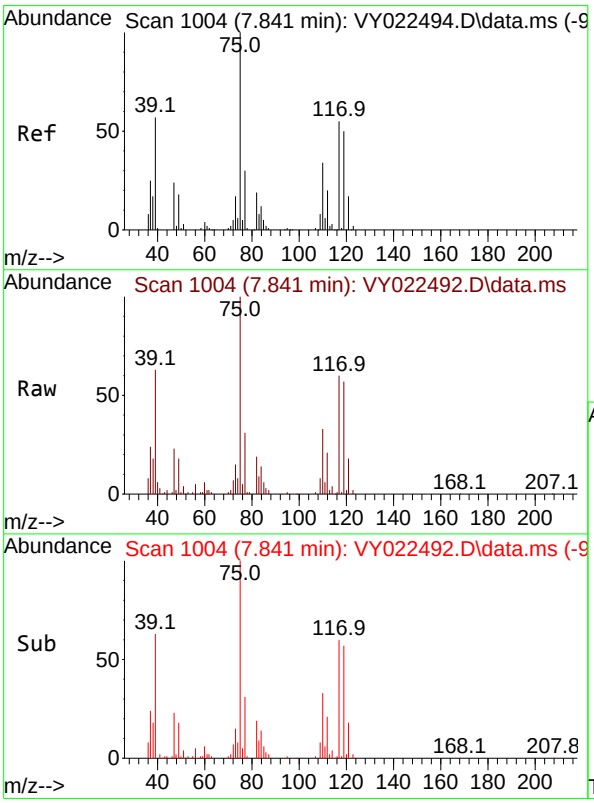
Ion	Ratio	Lower	Upper
113	100		
111	104.9	81.1	121.7
192	18.7	14.2	21.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

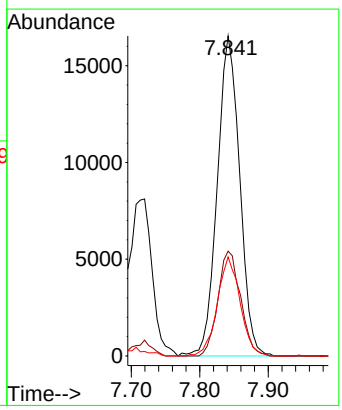


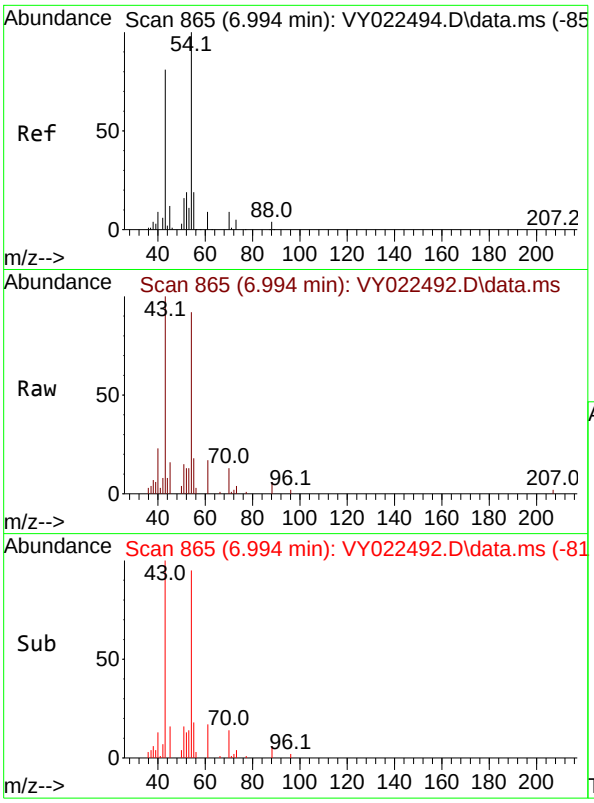


#36
1,1-Dichloropropene
Concen: 10.765 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 75 Resp: 37532

Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.9	50.7
77	31.5	24.8	37.2

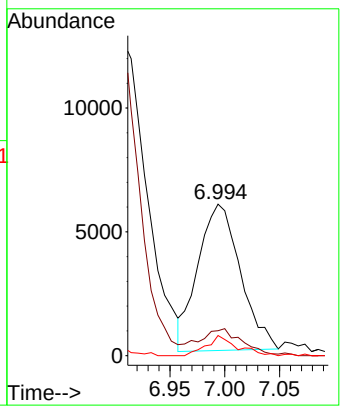




#37
Ethyl Acetate
Concen: 10.371 ug/l
RT: 6.994 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 1591

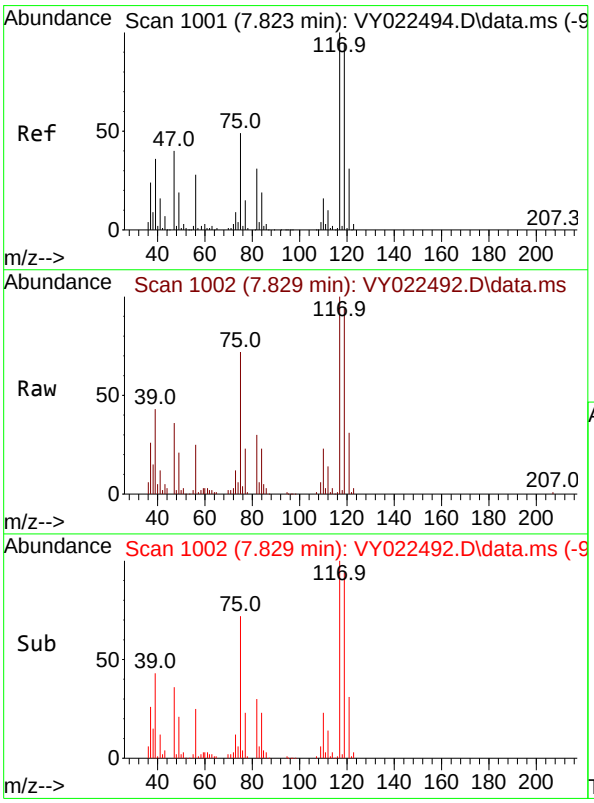
Ion	Ratio	Lower	Upper
43	100		
61	18.4	11.5	17.3
70	9.8	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

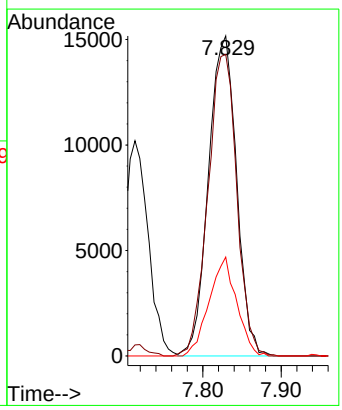
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

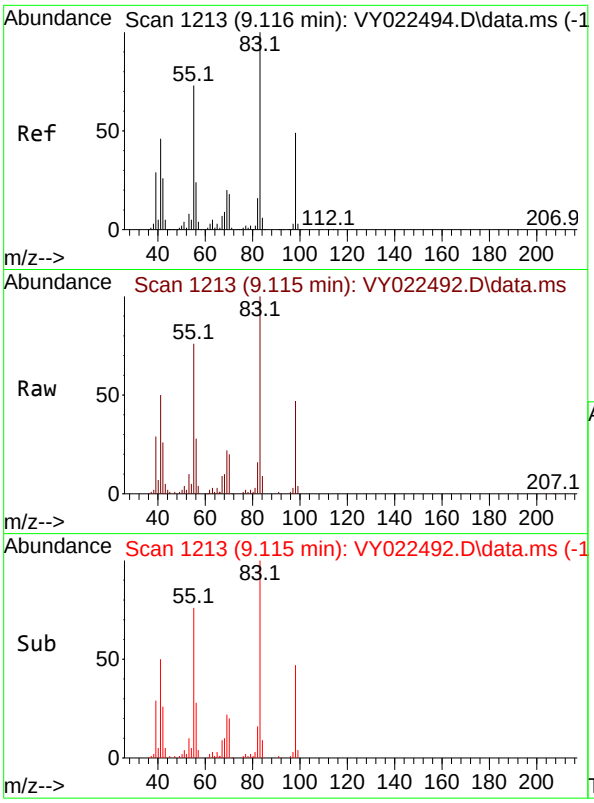


#38
Carbon Tetrachloride
Concen: 10.515 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:117 Resp: 37794

Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.0	112.6
121	30.9	25.0	37.4





#39
Methylcyclohexane
Concen: 10.491 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

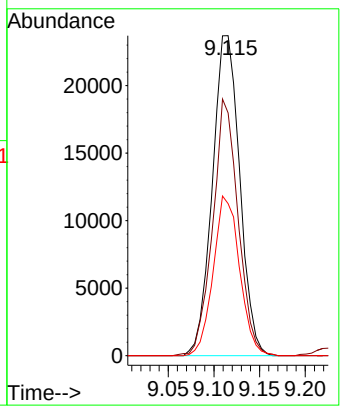
Tgt Ion: 83 Resp: 4941

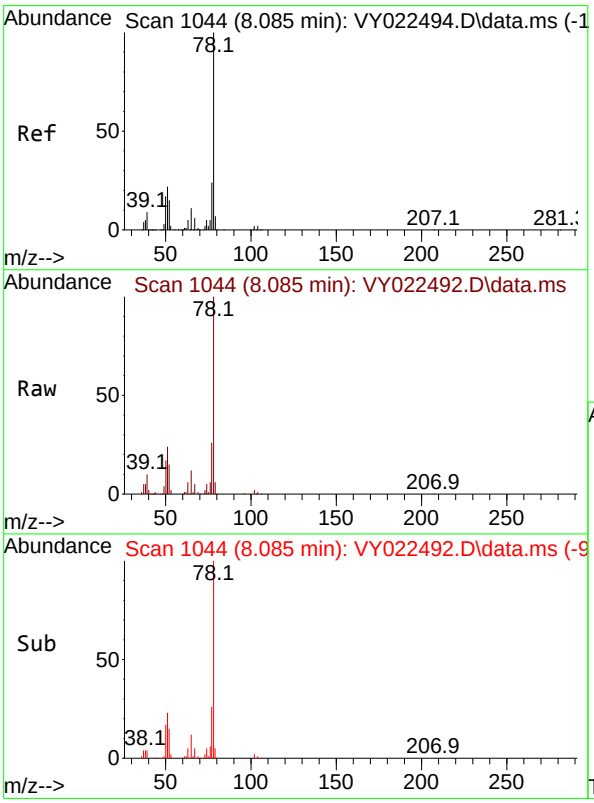
Ion	Ratio	Lower	Upper
83	100		
55	75.8	58.1	87.1
98	47.5	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

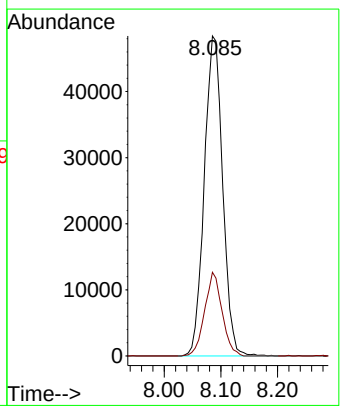


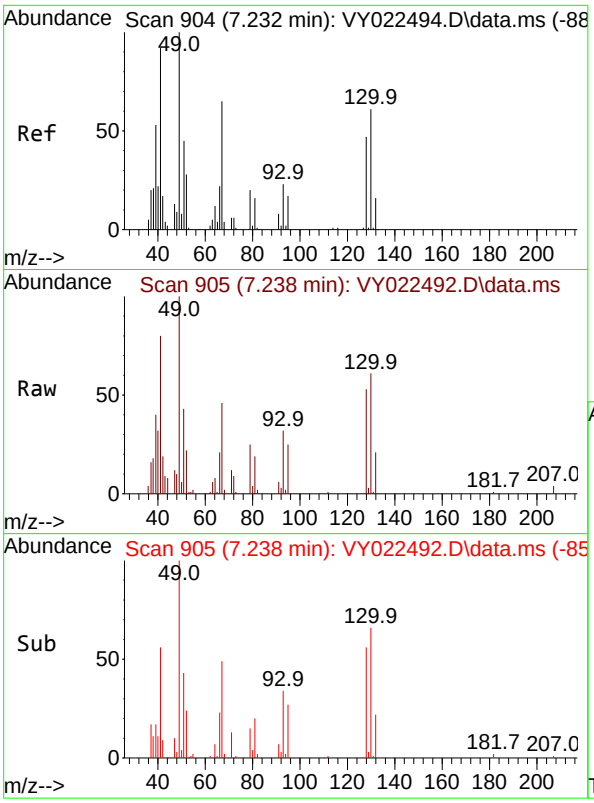


#40
Benzene
Concen: 10.600 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 78 Resp: 108934

Ion	Ratio	Lower	Upper
78	100		
77	26.2	19.3	28.9

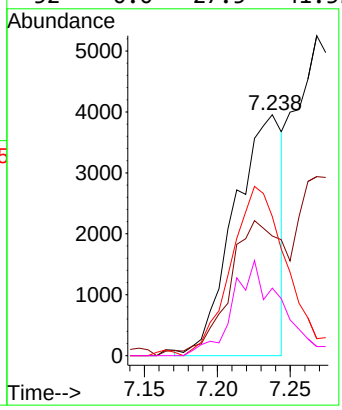




#41
Methacrylonitrile
Concen: 9.151 ug/l m
RT: 7.238 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 41 Resp: 904

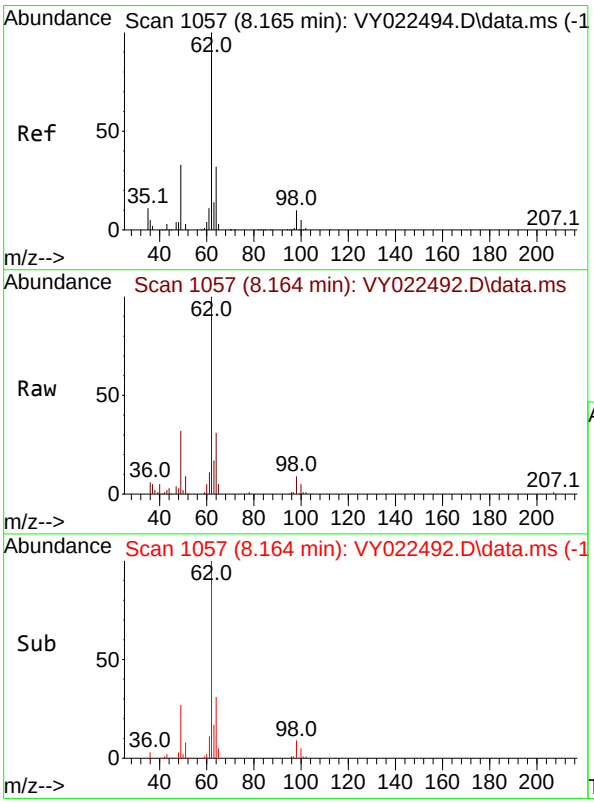
Ion	Ratio	Lower	Upper
41	100		
39	83.2	46.6	69.8#
67	0.0	63.3	94.9#
52	0.0	27.5	41.3#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

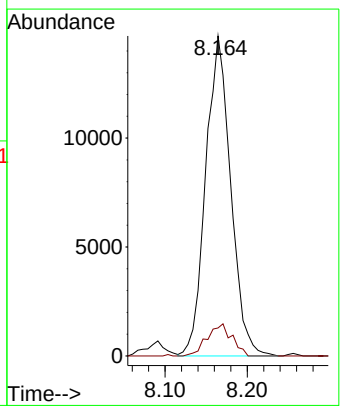
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

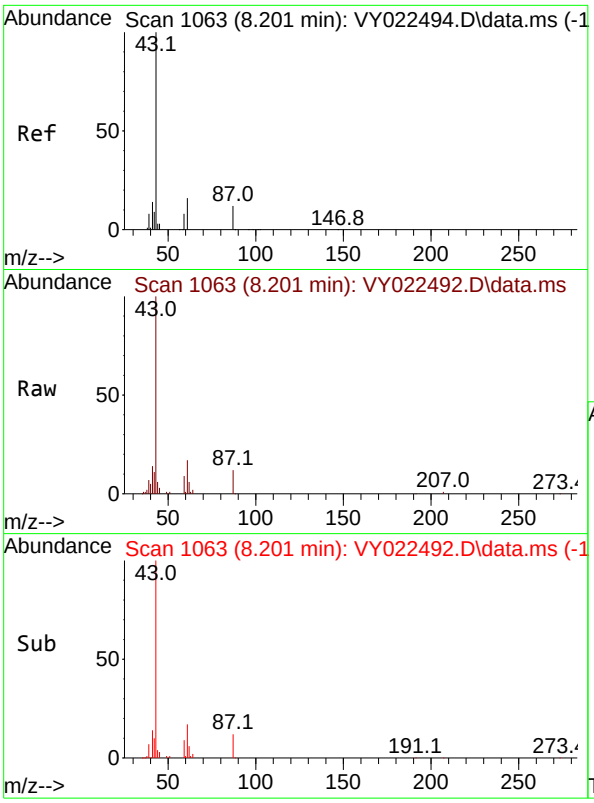


#42
1,2-Dichloroethane
Concen: 11.125 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 62 Resp: 31102

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.2





#43
Isopropyl Acetate
Concen: 10.859 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

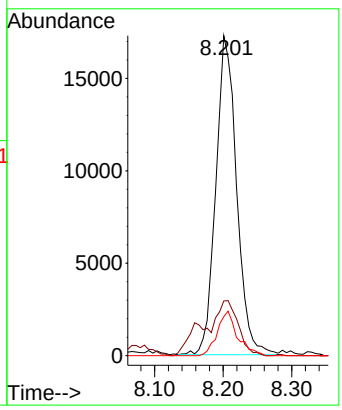
Tgt Ion: 43 Resp: 3641

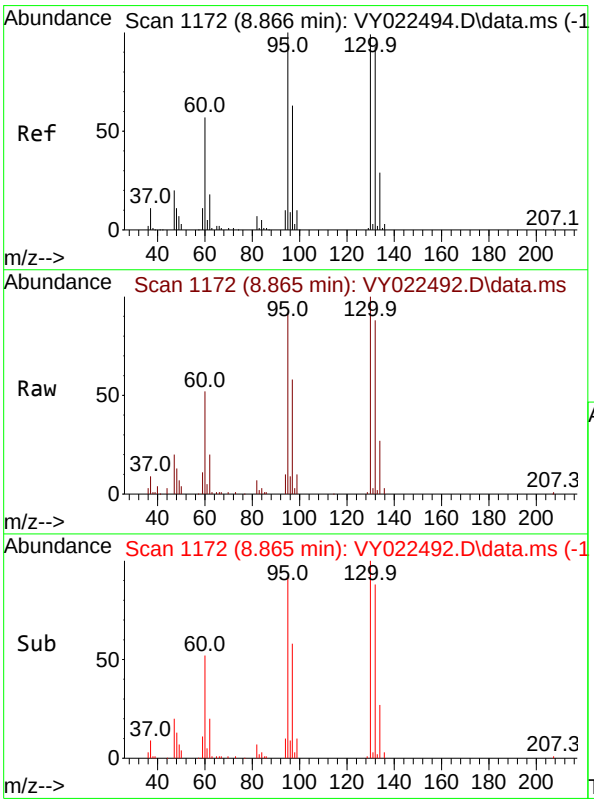
Ion	Ratio	Lower	Upper
43	100		
61	17.7	15.6	23.4
87	13.4	10.2	15.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

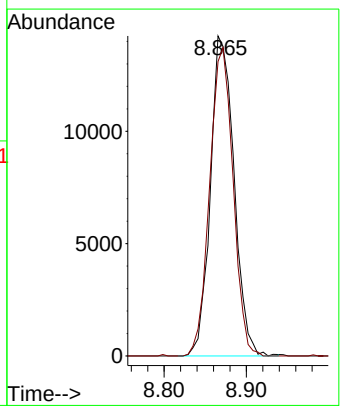


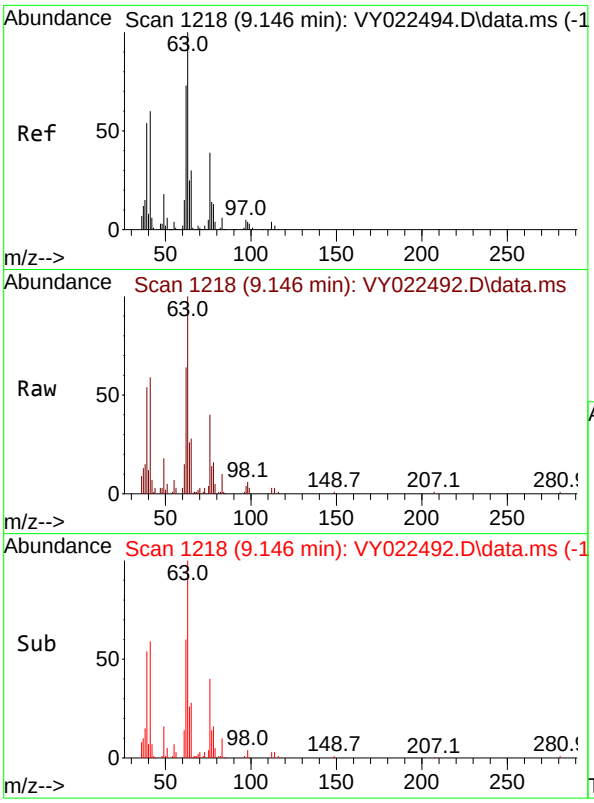


#44
Trichloroethene
Concen: 11.325 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:130 Resp: 28431

Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	203.0





#45
1,2-Dichloropropane
Concen: 10.884 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

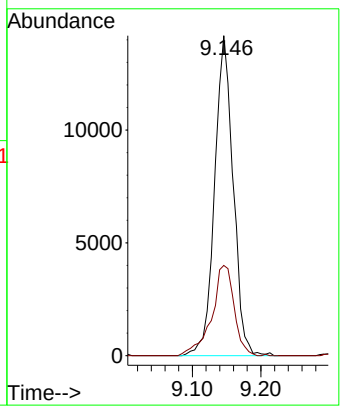
Tgt Ion: 63 Resp: 2666

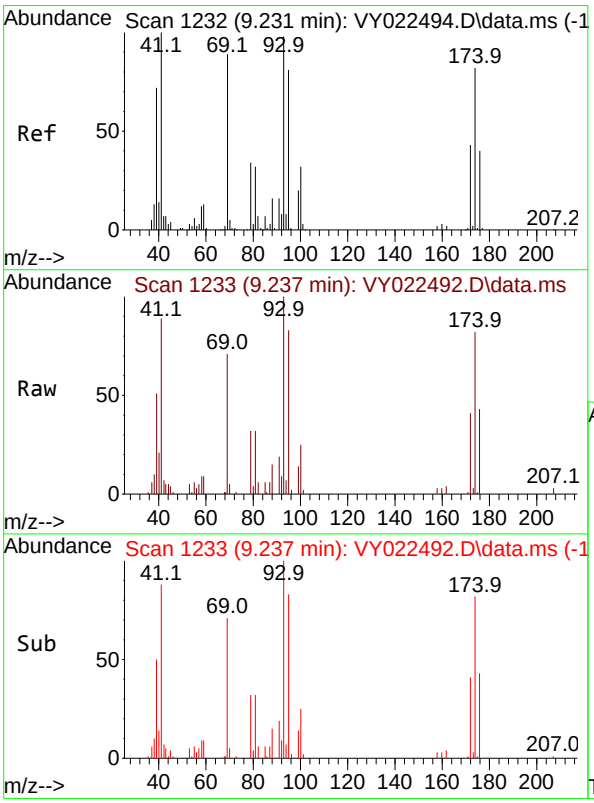
Ion	Ratio	Lower	Upper
63	100		
65	28.2	24.0	36.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

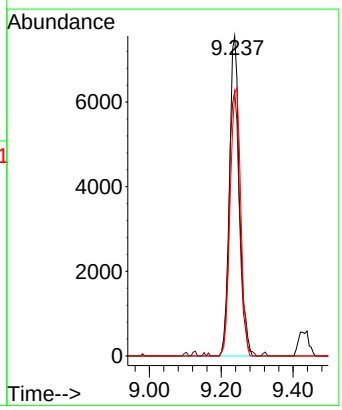


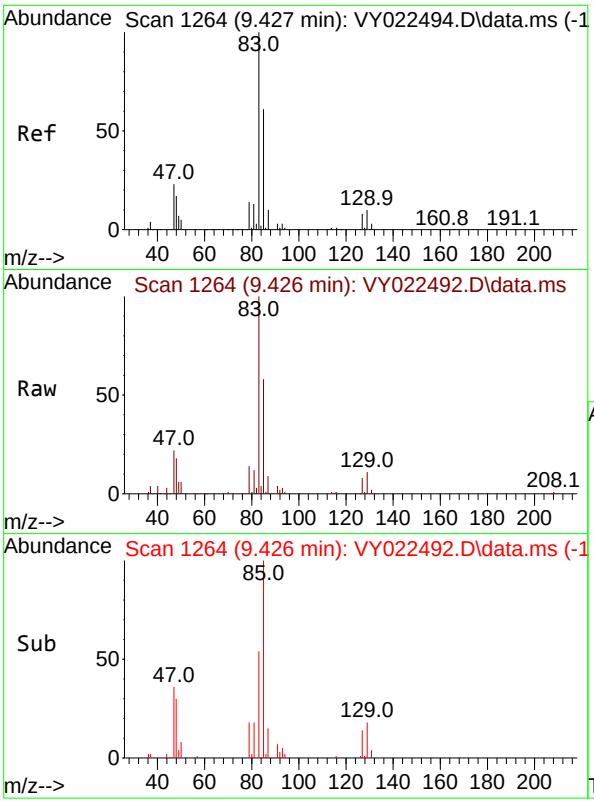


#46
Dibromomethane
Concen: 10.637 ug/l m
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 93 Resp: 14601

Ion	Ratio	Lower	Upper
93	100		
95	0.0	65.6	98.4#
174	0.0	70.4	105.6#

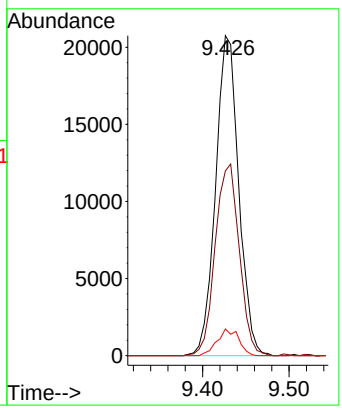




#47
Bromodichloromethane
Concen: 11.048 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 83 Resp: 3847

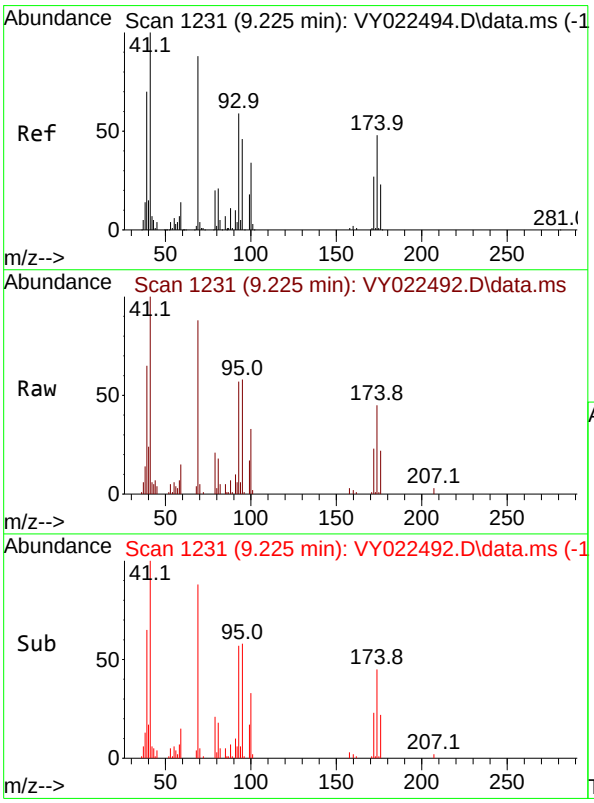
Ion	Ratio	Lower	Upper
83	100		
85	57.8	49.1	73.7
127	8.4	6.2	9.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

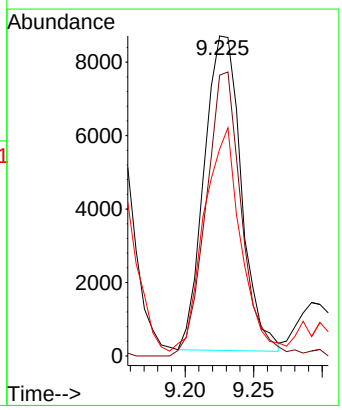
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

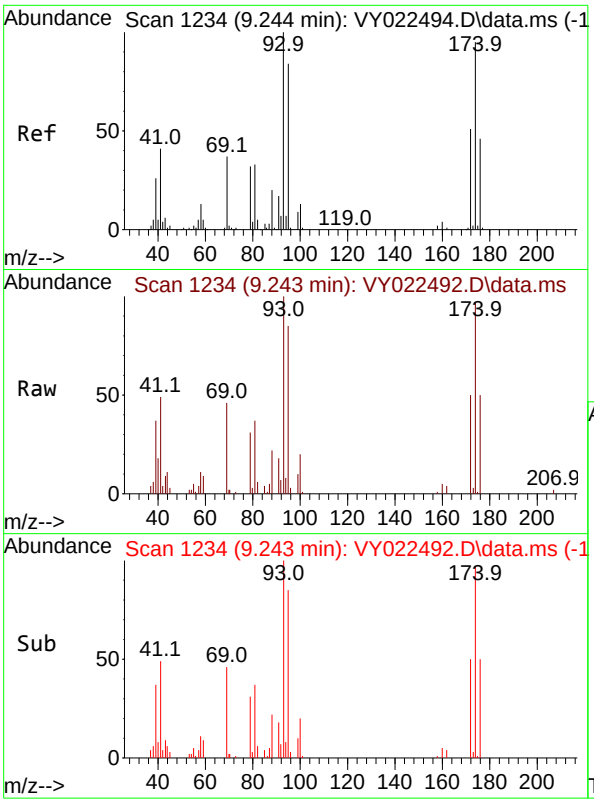


#48
Methyl methacrylate
Concen: 10.501 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 41 Resp: 16122

Ion	Ratio	Lower	Upper
41	100		
69	86.6	67.8	101.8
39	70.2	55.0	82.4





#49
1,4-Dioxane
Concen: 215.881 ug/l
RT: 9.243 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

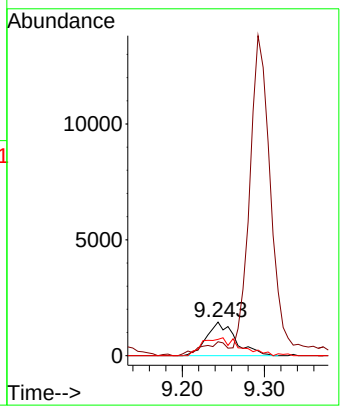
Tgt Ion: 88 Resp: 353

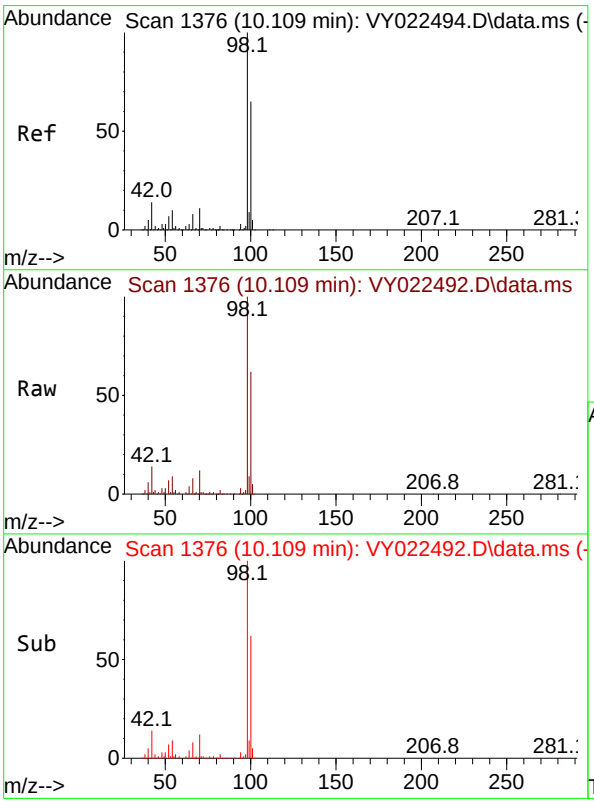
Ion	Ratio	Lower	Upper
88	100		
43	36.1	25.4	38.2
58	69.8	54.9	82.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

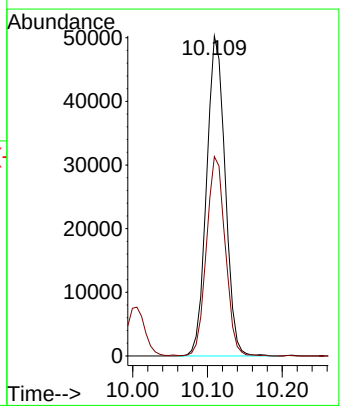


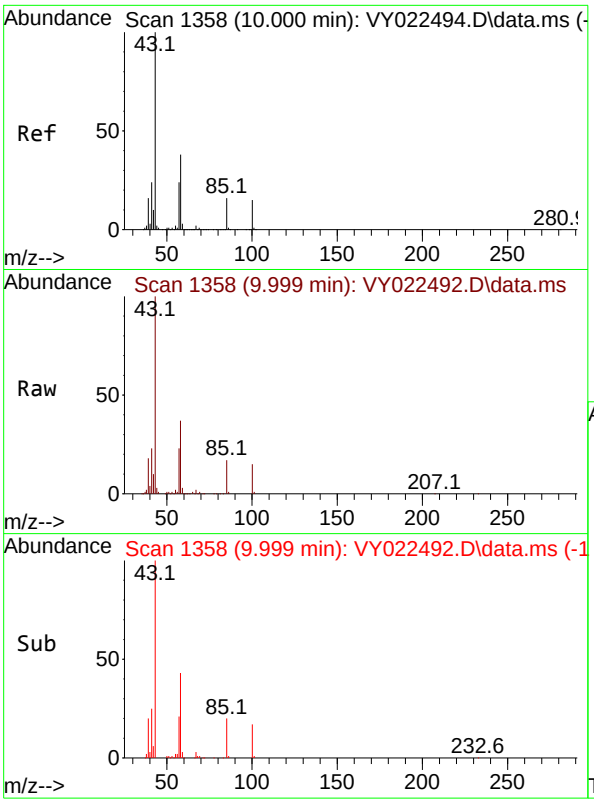


#50
Toluene-d8
Concen: 9.930 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 98 Resp: 86561

Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.4	77.0





#51
4-Methyl-2-Pentanone
Concen: 53.259 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

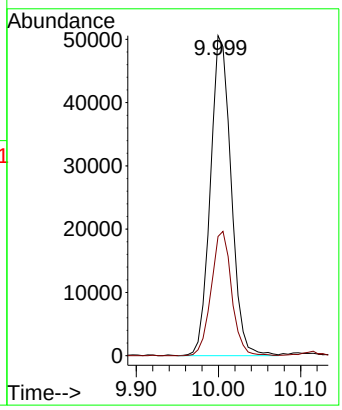
Tgt Ion: 43 Resp: 8863

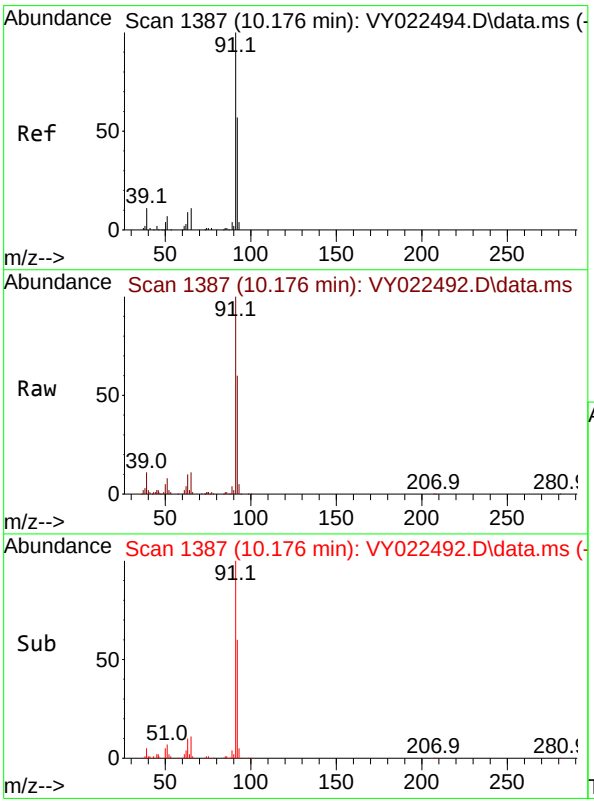
Ion	Ratio	Lower	Upper
43	100		
58	38.3	30.4	45.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

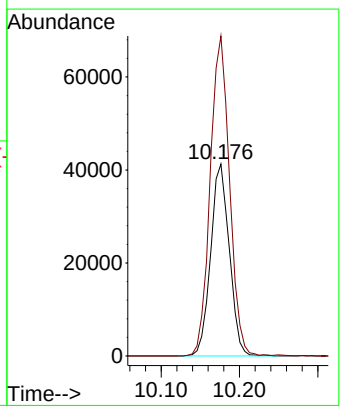


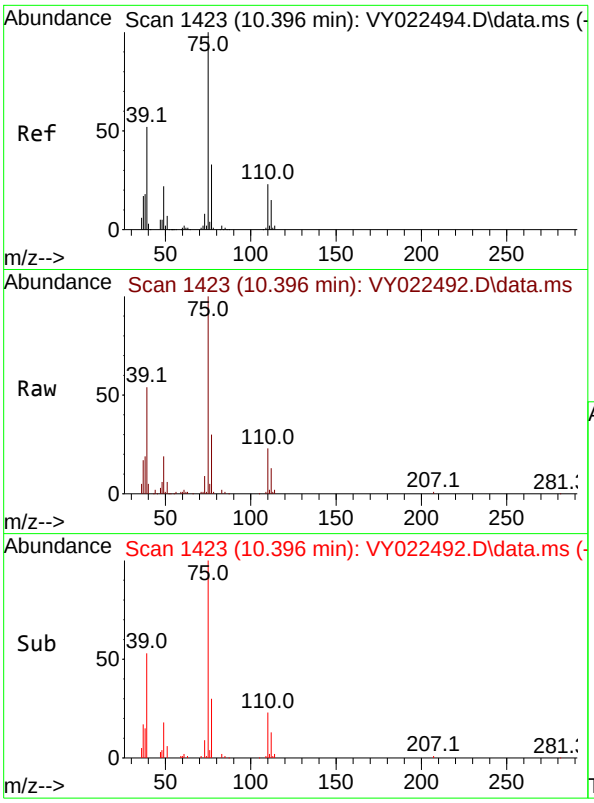


#52
Toluene
Concen: 10.565 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 92 Resp: 68265

Ion	Ratio	Lower	Upper
92	100		
91	172.7	139.0	208.4





#53
t-1,3-Dichloropropene
Concen: 10.649 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

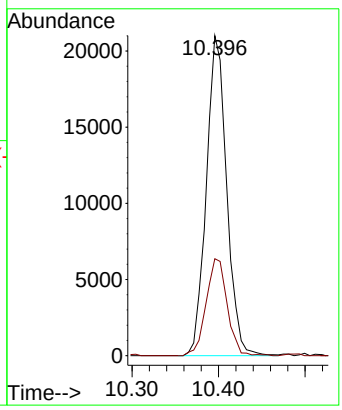
Tgt Ion: 75 Resp: 3430

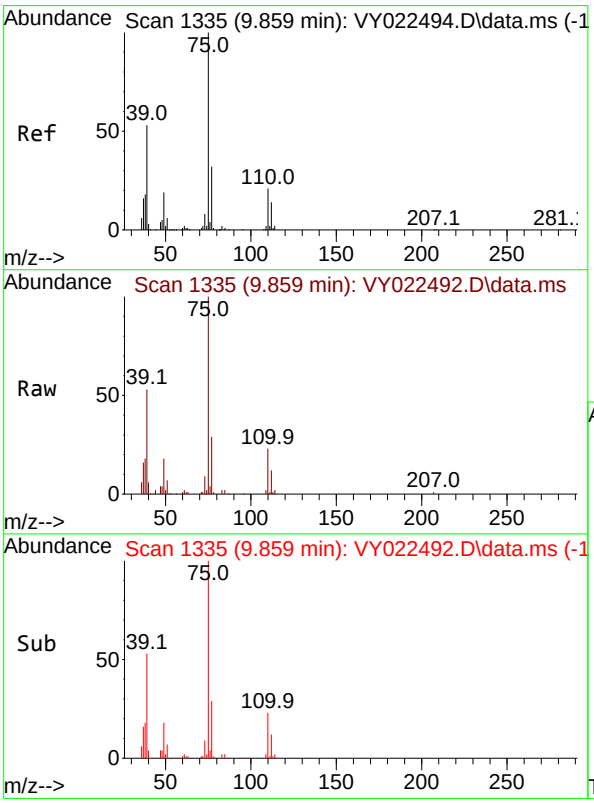
Ion	Ratio	Lower	Upper
75	100		
77	30.3	26.5	39.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

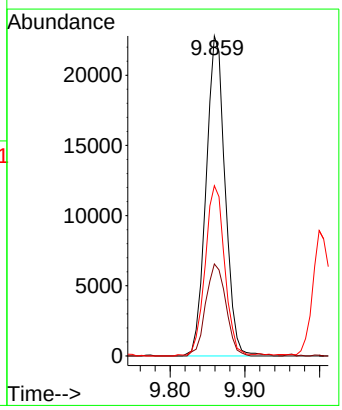


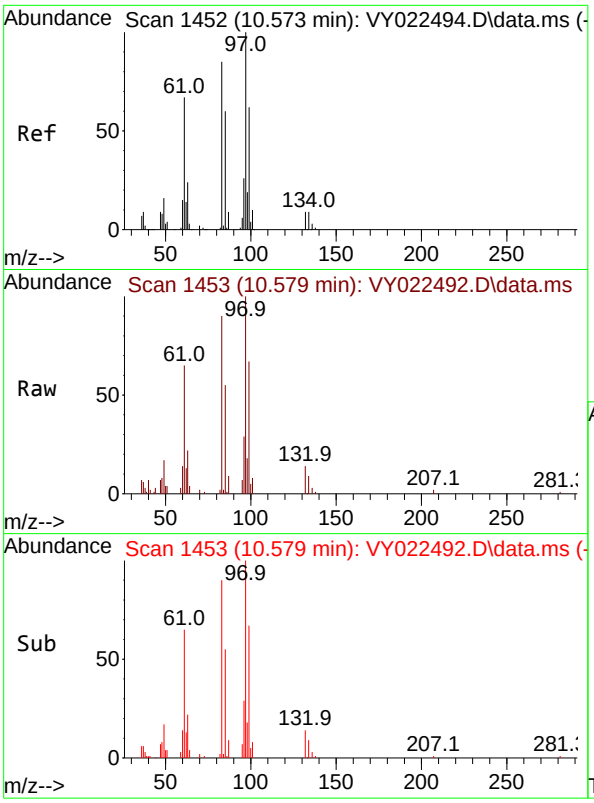


#54
cis-1,3-Dichloropropene
Concen: 10.649 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 75 Resp: 40229

Ion	Ratio	Lower	Upper
75	100		
77	28.7	25.3	37.9
39	52.8	42.7	64.1

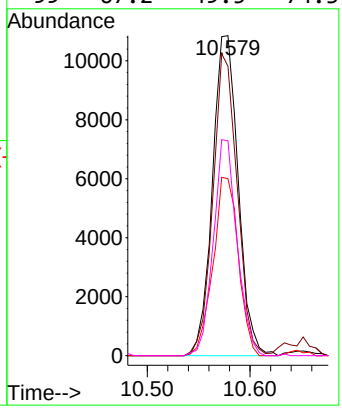




#55
1,1,2-Trichloroethane
Concen: 10.904 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 97 Resp: 1884

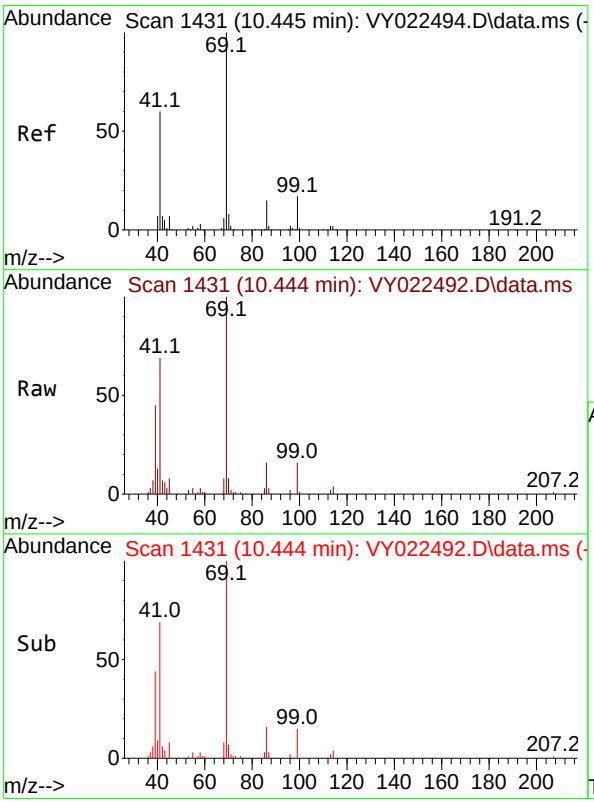
Ion	Ratio	Lower	Upper
97	100		
83	90.5	68.1	102.1
85	55.3	48.2	72.2
99	67.2	49.5	74.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

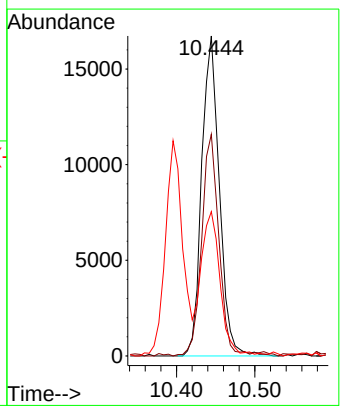
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

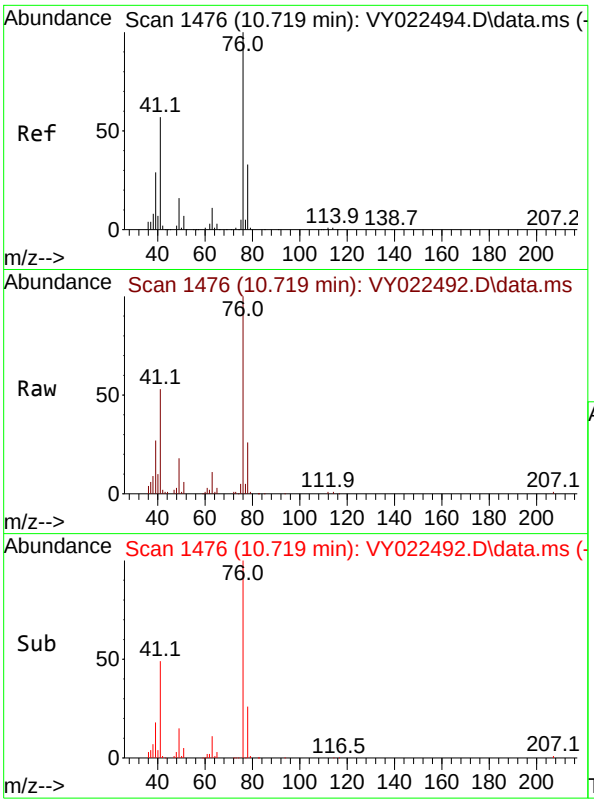


#56
Ethyl methacrylate
Concen: 10.426 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 69 Resp: 26171

Ion	Ratio	Lower	Upper
69	100		
41	67.3	52.2	78.2
39	47.9	36.7	55.1

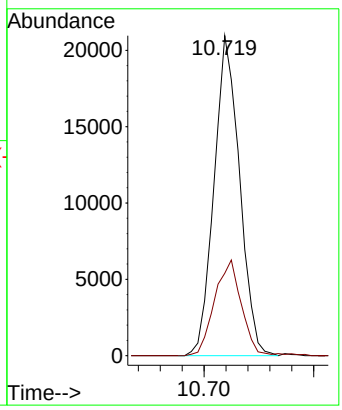




#57
1,3-Dichloropropane
Concen: 10.991 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 76 Resp: 3383

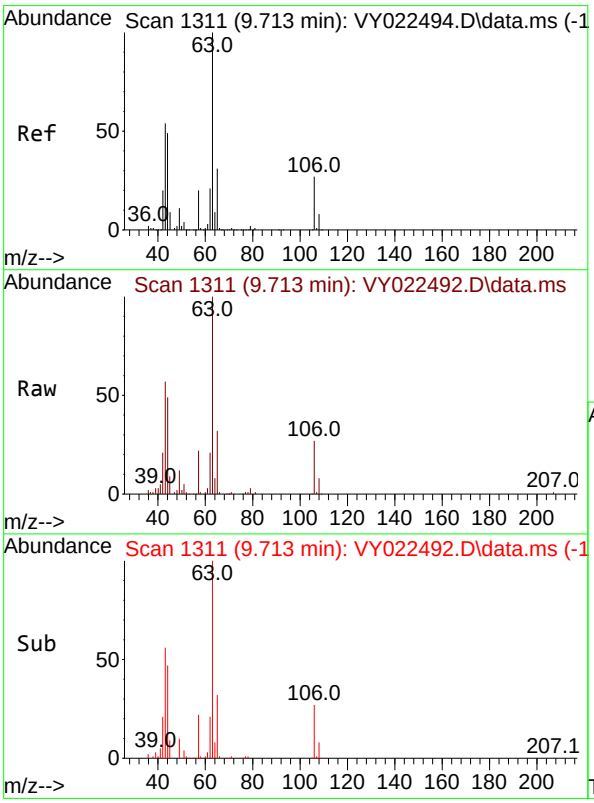
Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

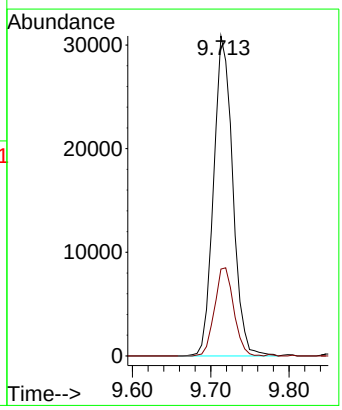
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

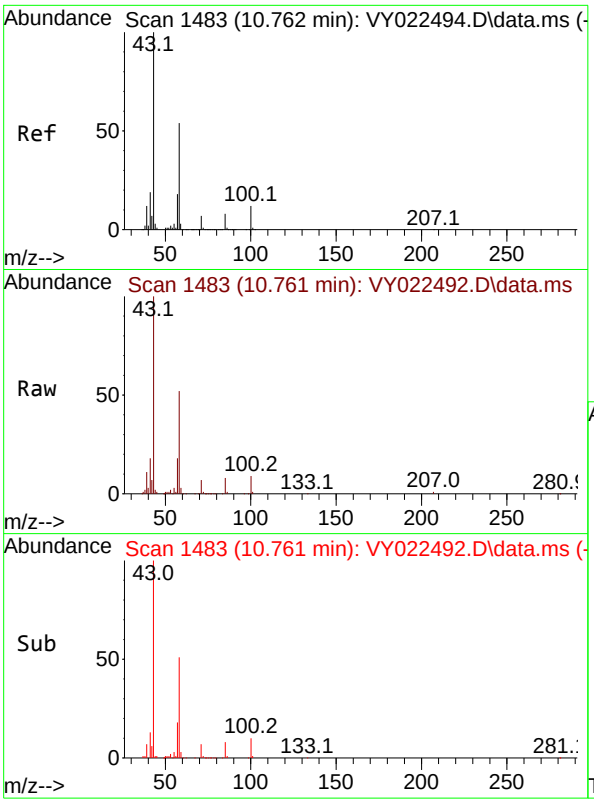


#58
2-Chloroethyl Vinyl ether
Concen: 46.819 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 63 Resp: 52396

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.6	32.4





#59
2-Hexanone
Concen: 52.045 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

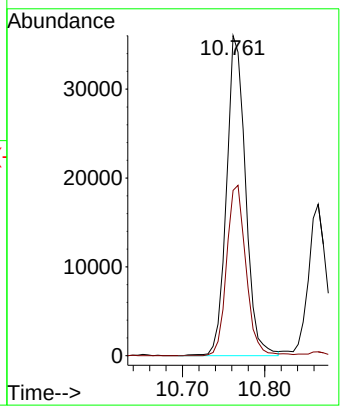
Tgt Ion: 43 Resp: 5773

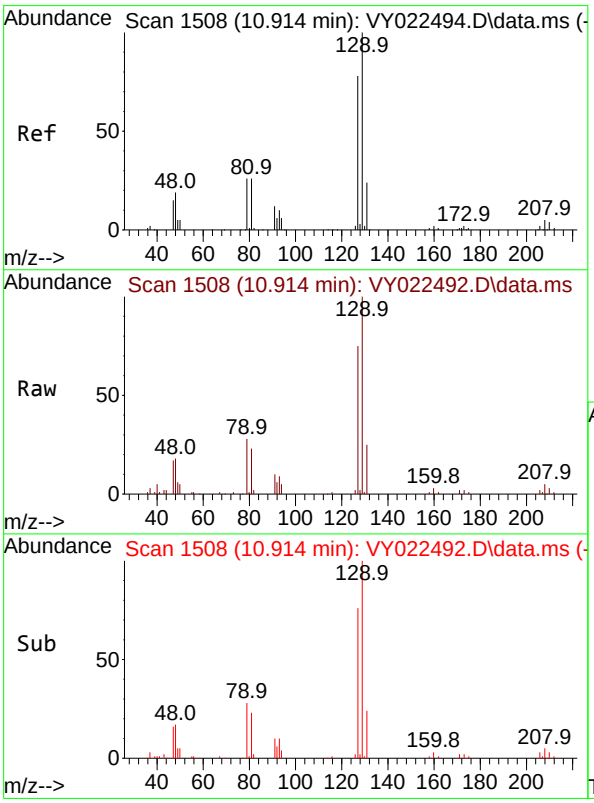
Ion	Ratio	Lower	Upper
43	100		
58	54.3	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

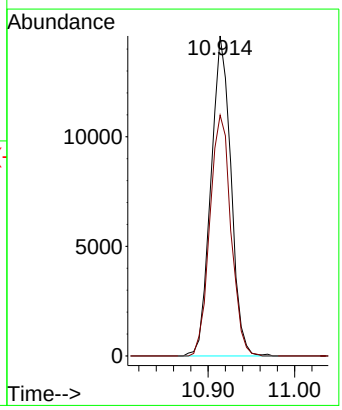


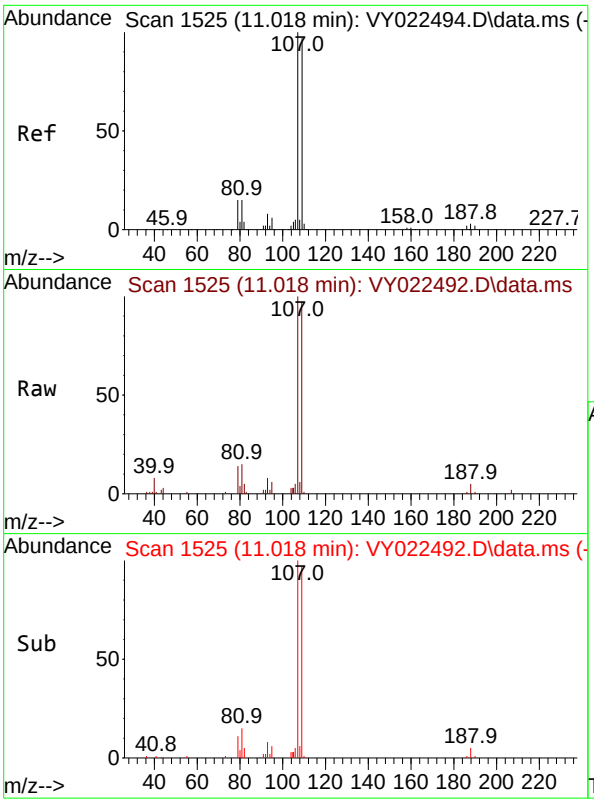


#60
Dibromochloromethane
Concen: 10.694 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:129 Resp: 23423

Ion	Ratio	Lower	Upper
129	100		
127	79.3	39.1	117.2





#61
1,2-Dibromoethane
Concen: 10.847 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

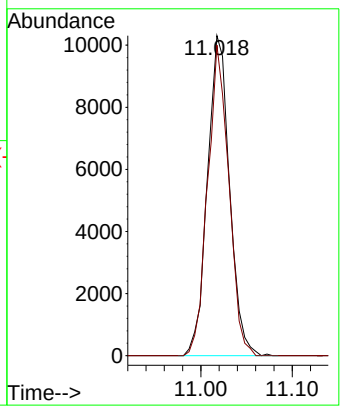
Tgt Ion:107 Resp: 1730

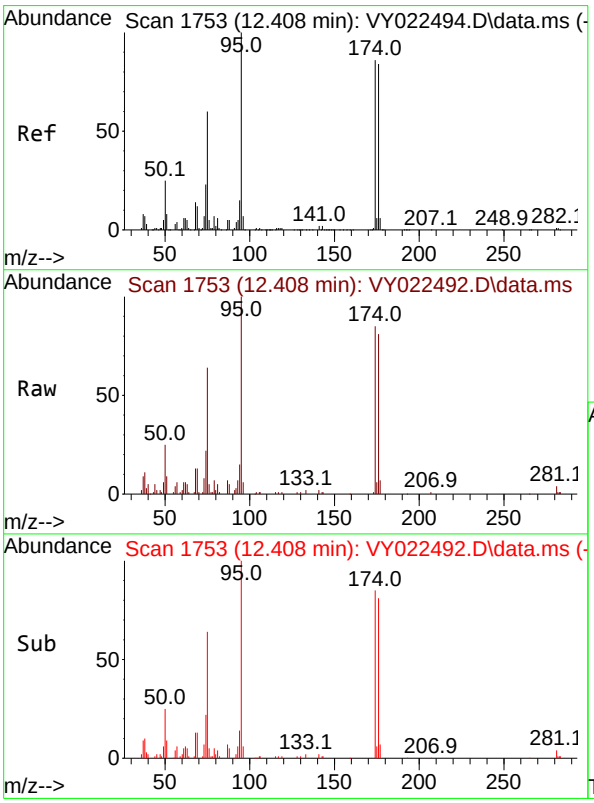
Ion	Ratio	Lower	Upper
107	100		
109	93.0	77.7	116.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

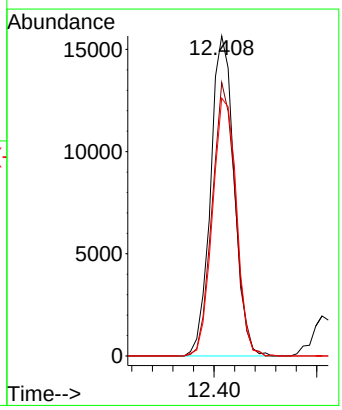


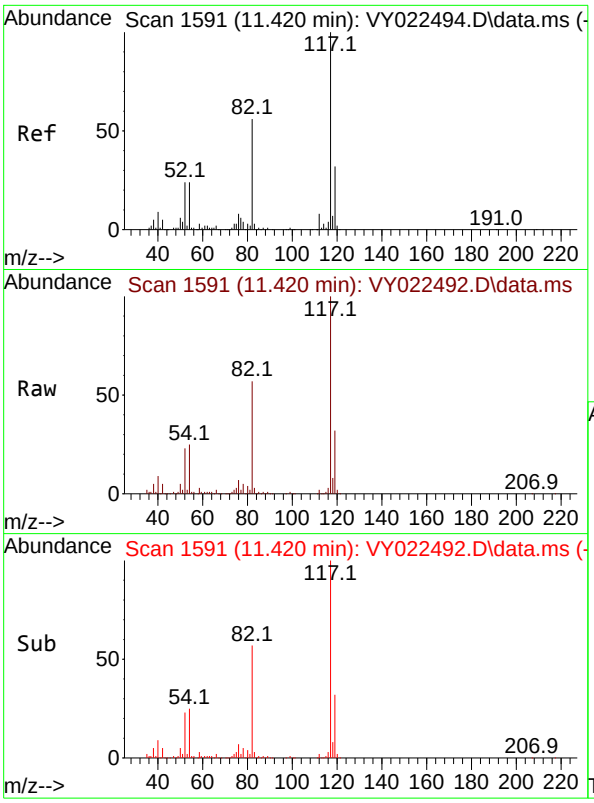


#62
4-Bromofluorobenzene
Concen: 9.409 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 95 Resp: 24870

Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	170.0
176	82.2	0.0	166.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

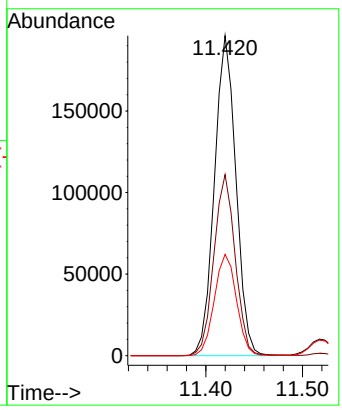
Tgt Ion:117 Resp: 30282

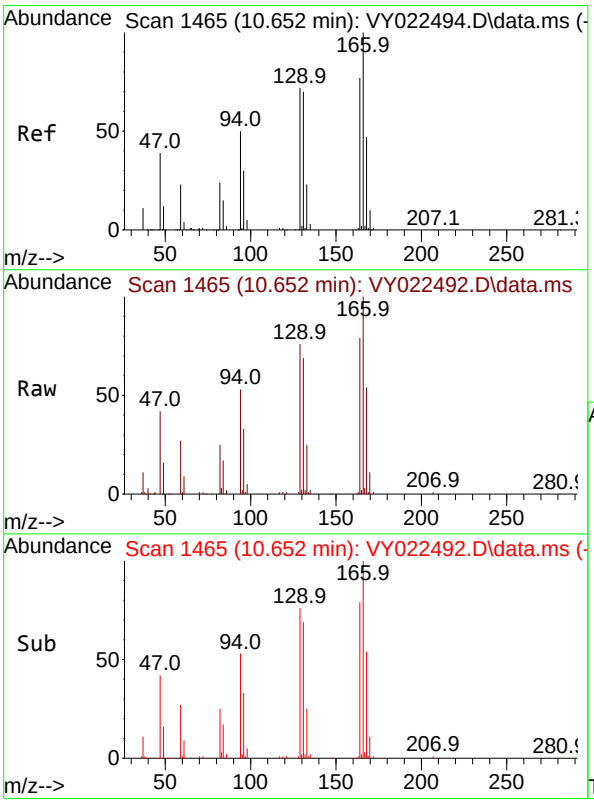
Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.6	66.8
119	31.7	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

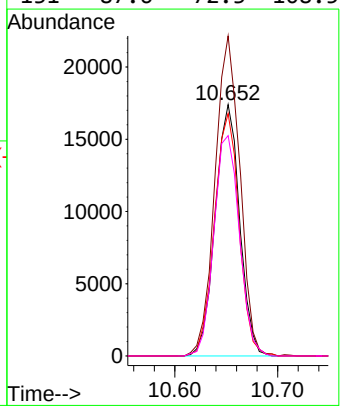


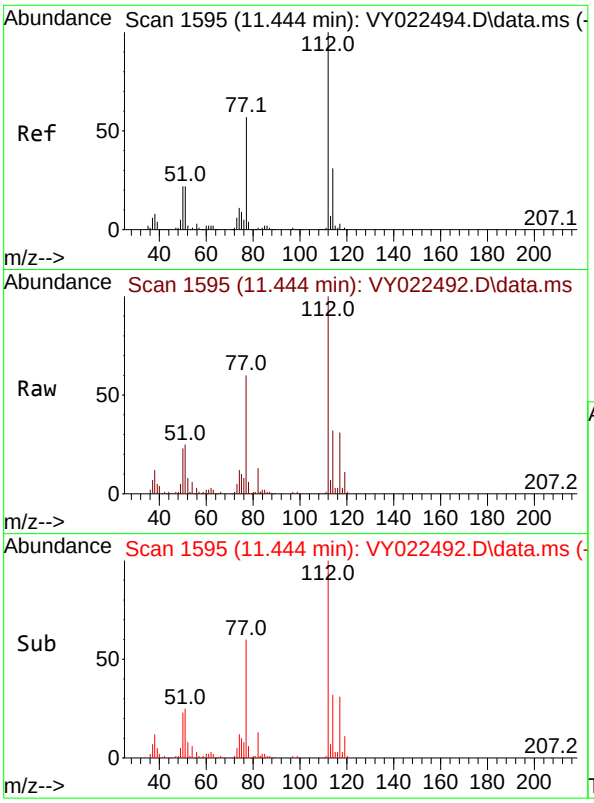


#64
Tetrachloroethene
Concen: 11.144 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:164 Resp: 28680

Ion	Ratio	Lower	Upper
164	100		
166	127.3	104.0	156.0
129	96.5	74.5	111.7
131	87.6	72.3	108.5

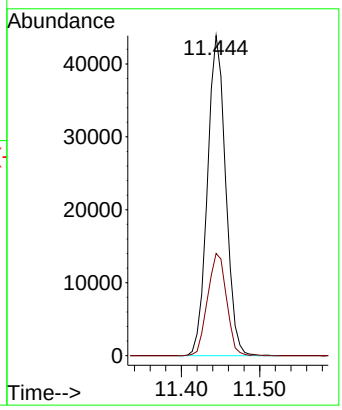




#65
Chlorobenzene
Concen: 10.789 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:112 Resp: 7084

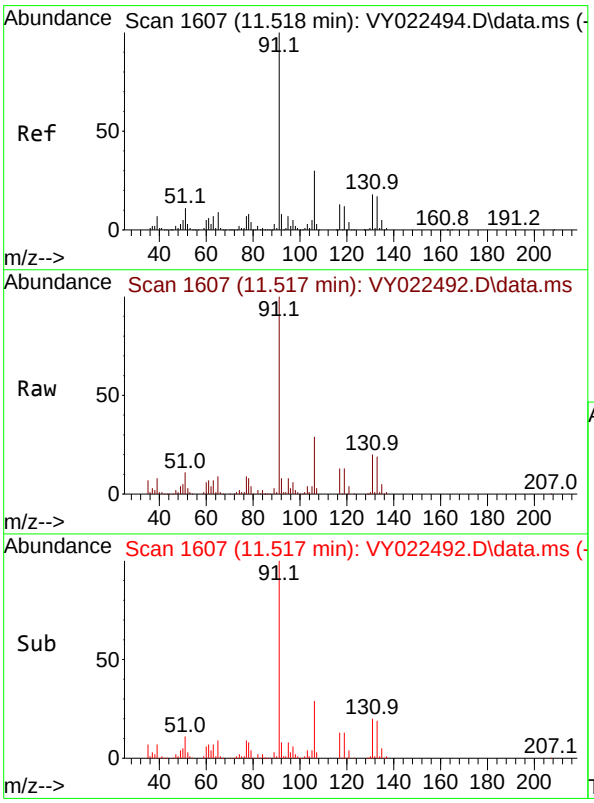
Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

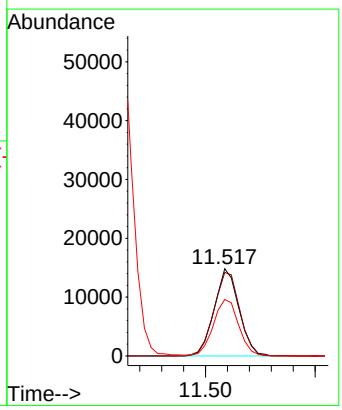
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

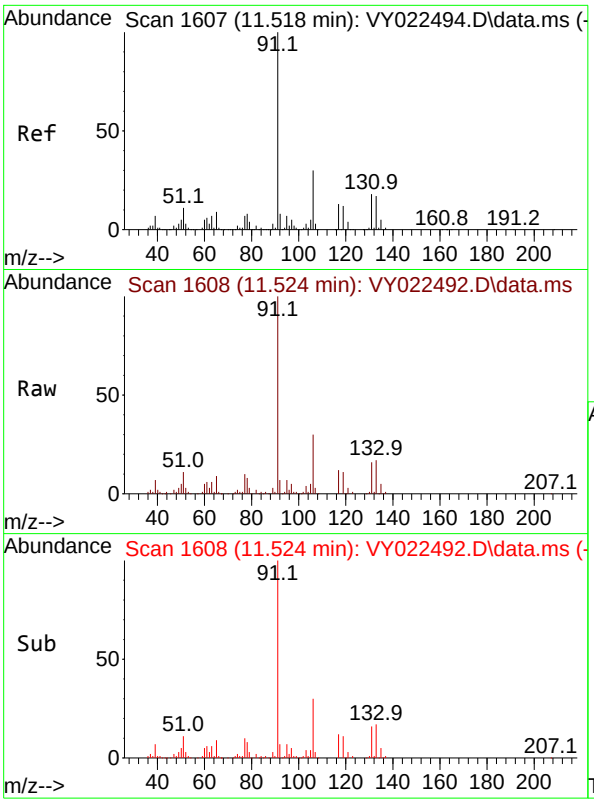


#66
1,1,1,2-Tetrachloroethane
Concen: 10.427 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:131 Resp: 23209

Ion	Ratio	Lower	Upper
131	100		
133	100.5	47.3	141.8
119	66.5	33.1	99.3

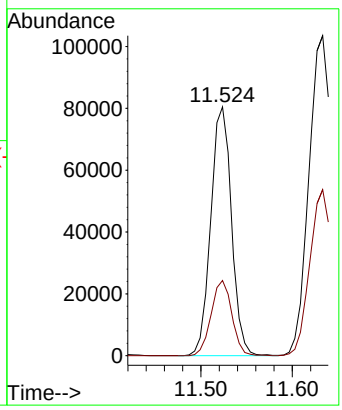




#67
Ethyl Benzene
Concen: 10.350 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 91 Resp: 12655

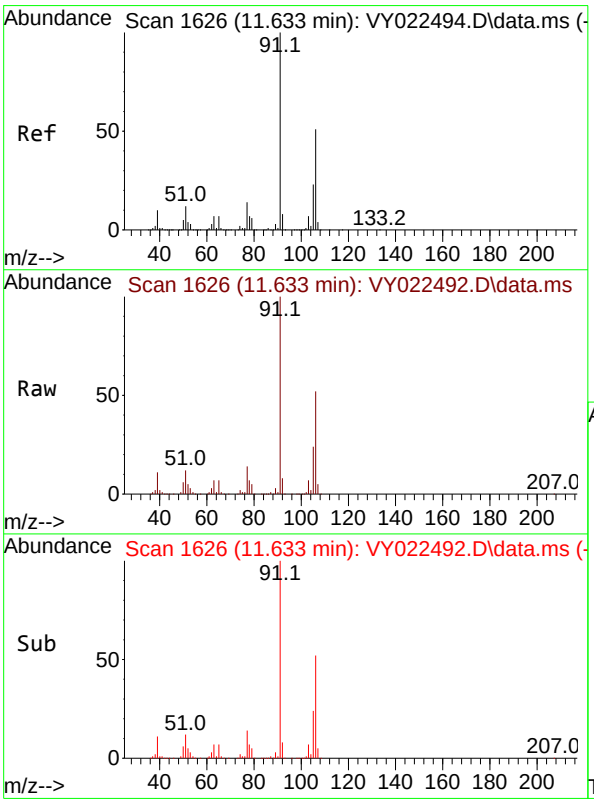
Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.2	36.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

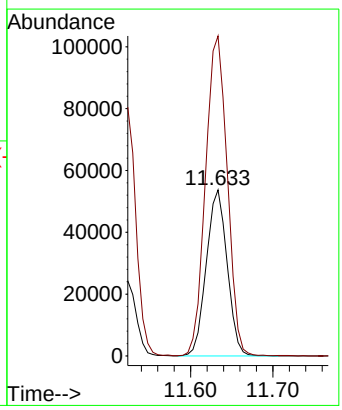
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

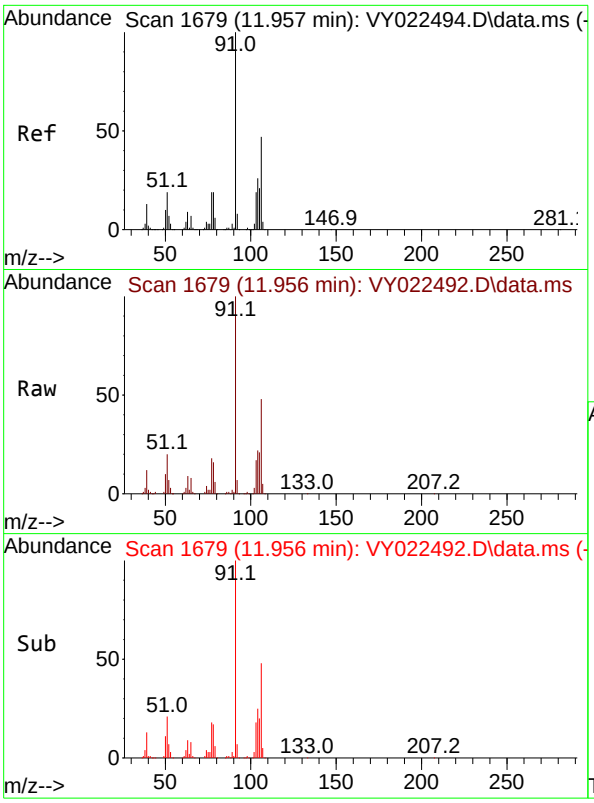


#68
m/p-Xylenes
Concen: 20.427 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:106 Resp: 94535

Ion	Ratio	Lower	Upper
106	100		
91	200.7	159.4	239.0





#69
o-Xylene
Concen: 10.476 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

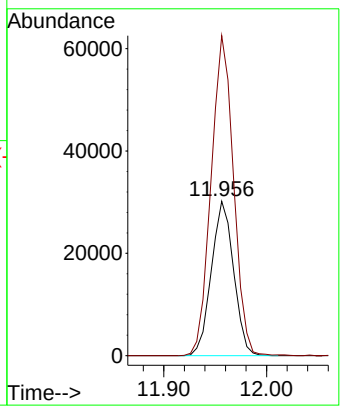
Tgt Ion:106 Resp: 4537

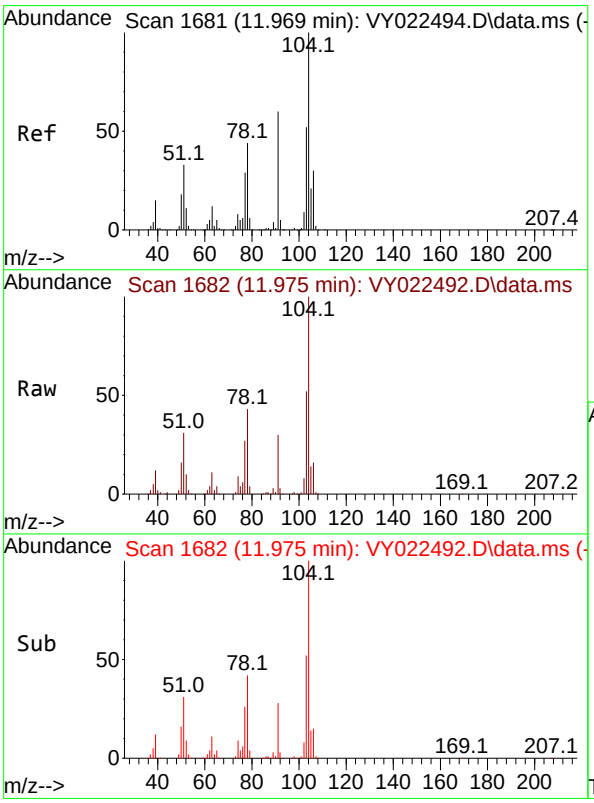
Ion	Ratio	Lower	Upper
106	100		
91	209.3	105.8	317.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

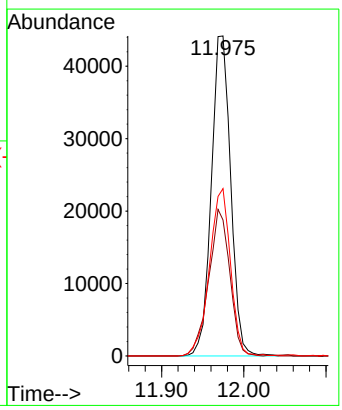


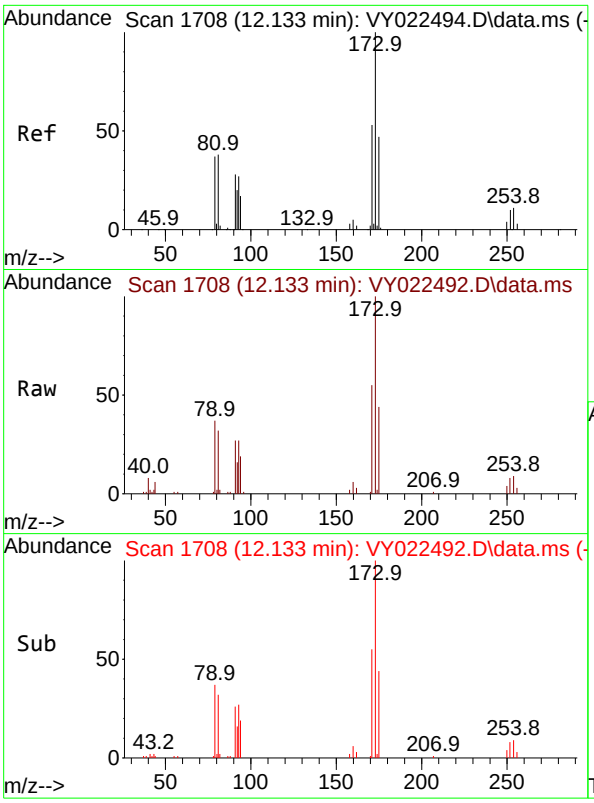


#70
Styrene
Concen: 10.092 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:104 Resp: 72373

Ion	Ratio	Lower	Upper
104	100		
78	49.8	39.5	59.3
103	56.9	44.1	66.1

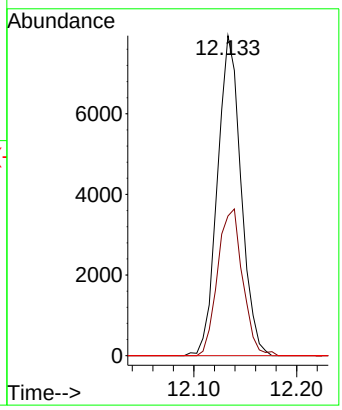




#71
Bromoform
Concen: 10.804 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:173 Resp: 1263

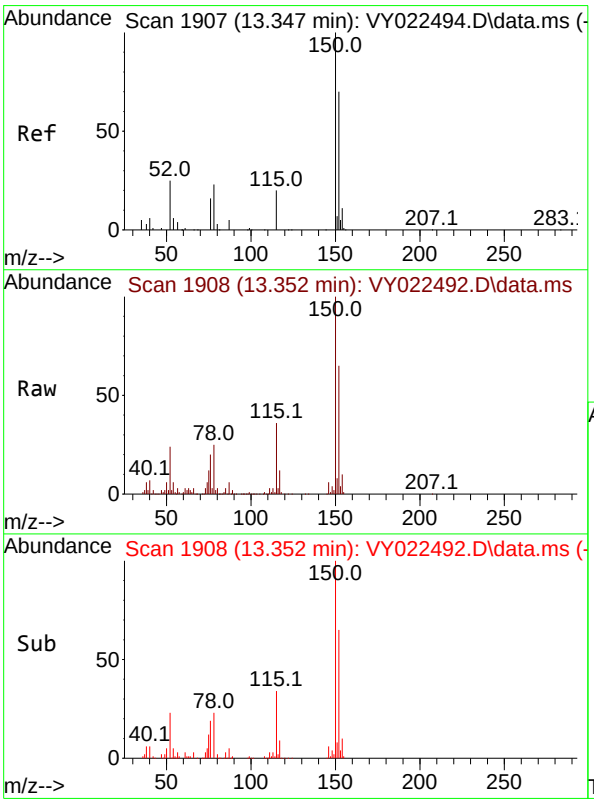
Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.8	71.5
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

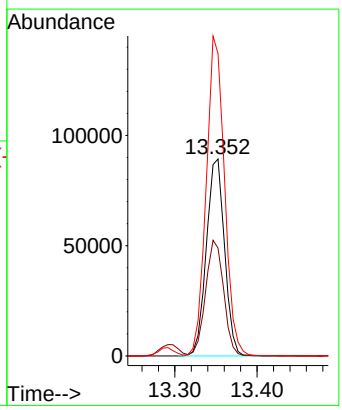
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

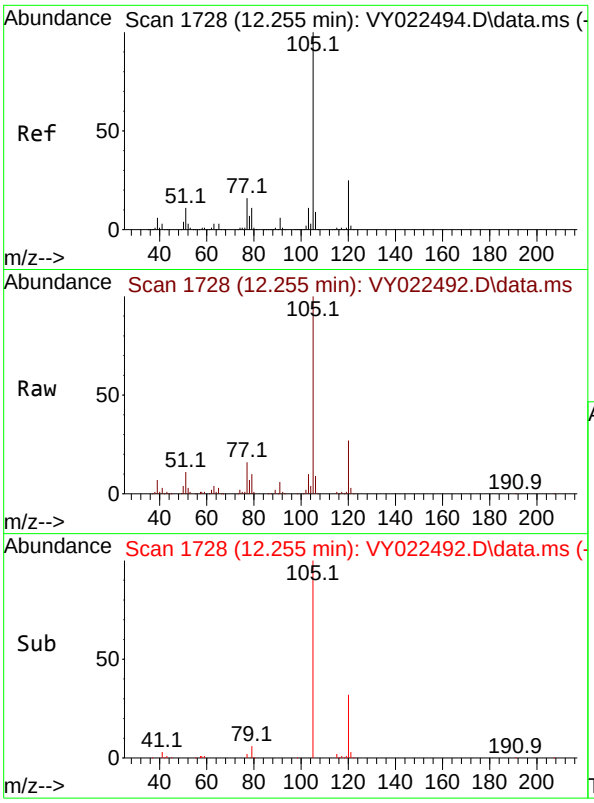


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:152 Resp: 137338

Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.9	86.7
150	162.7	0.0	349.6

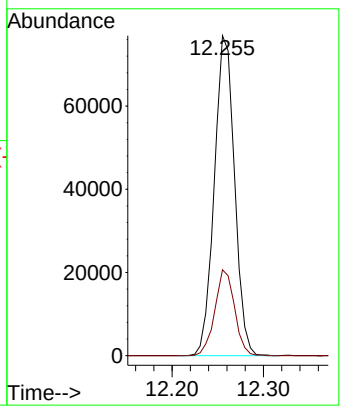




#73
Isopropylbenzene
Concen: 10.695 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:105 Resp: 11834

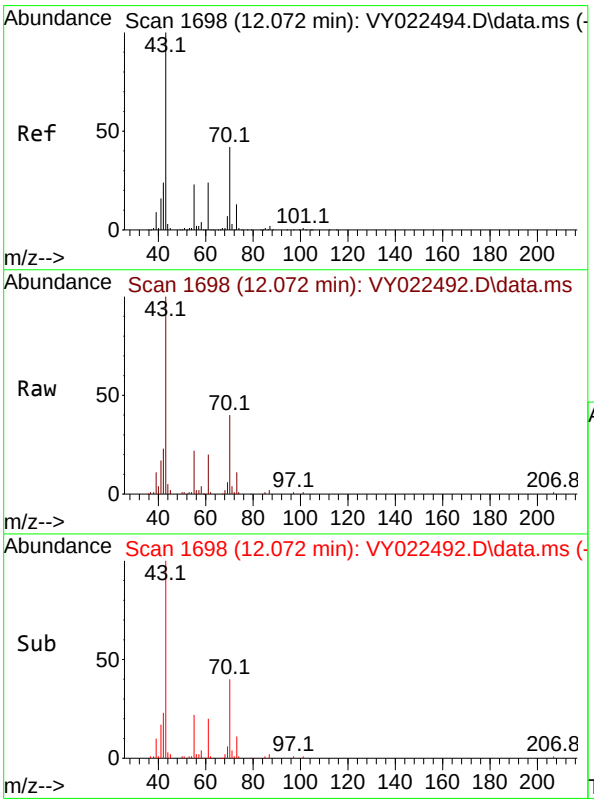
Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

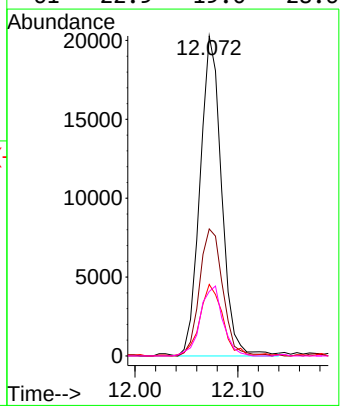
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

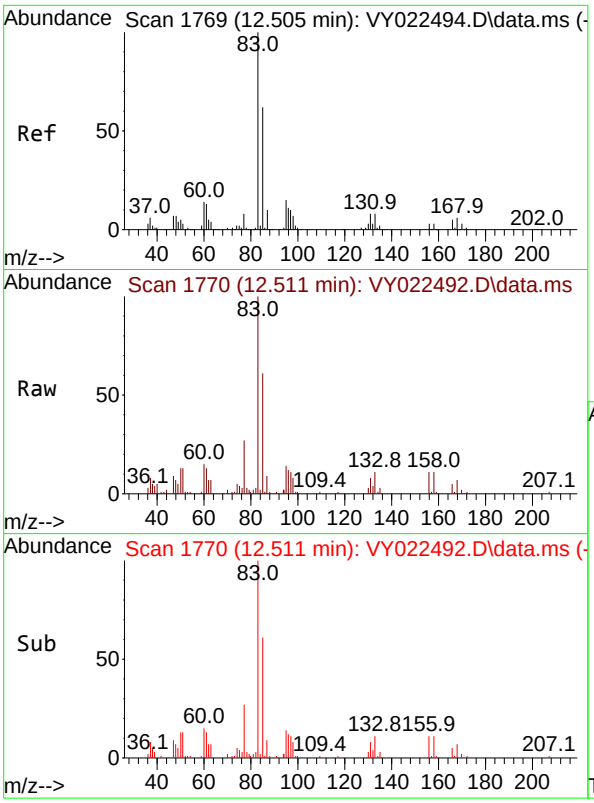


#74
N-amyl acetate
Concen: 10.581 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 29609

Ion	Ratio	Lower	Upper
43	100		
70	42.8	34.2	51.2
55	23.8	18.2	27.4
61	22.9	19.0	28.6

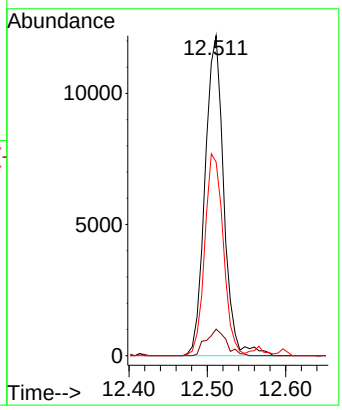




#75
1,1,2,2-Tetrachloroethane
Concen: 11.276 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 83 Resp: 2026

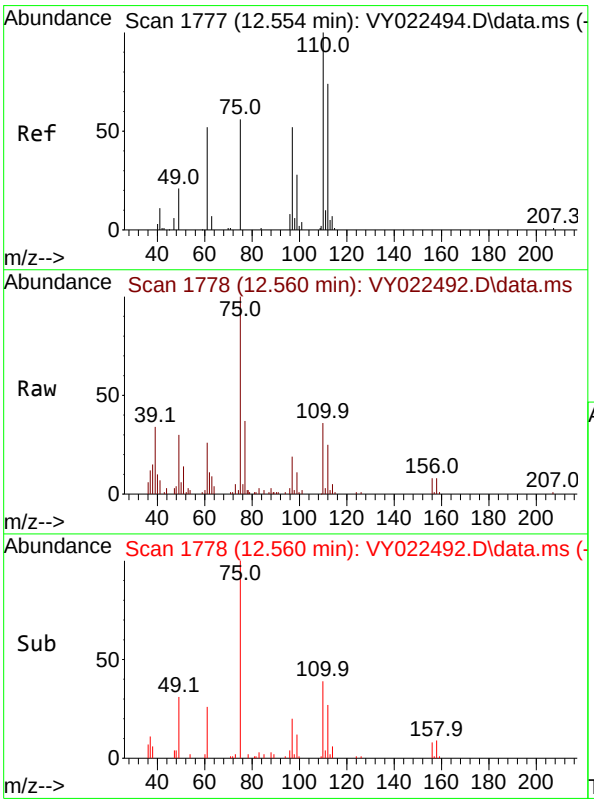
Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.9	14.7
85	62.2	32.6	97.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

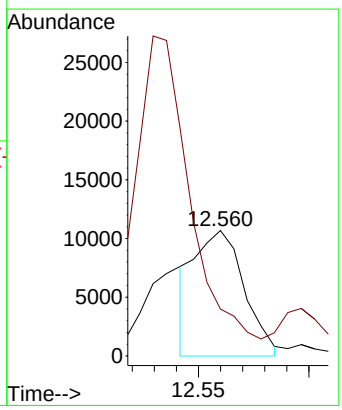
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

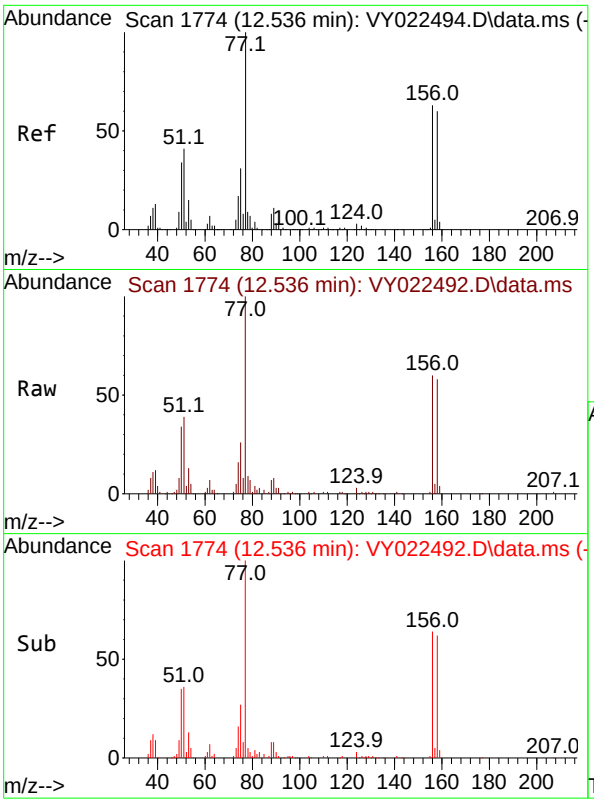


#76
1,2,3-Trichloropropane
Concen: 9.239 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 75 Resp: 16751

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 10.827 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

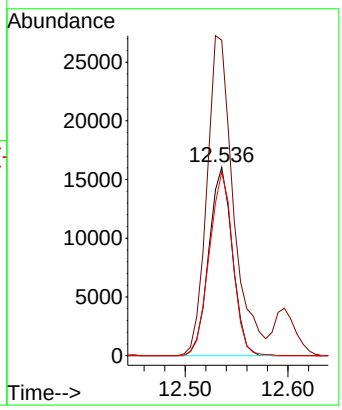
Tgt Ion:156 Resp: 2539

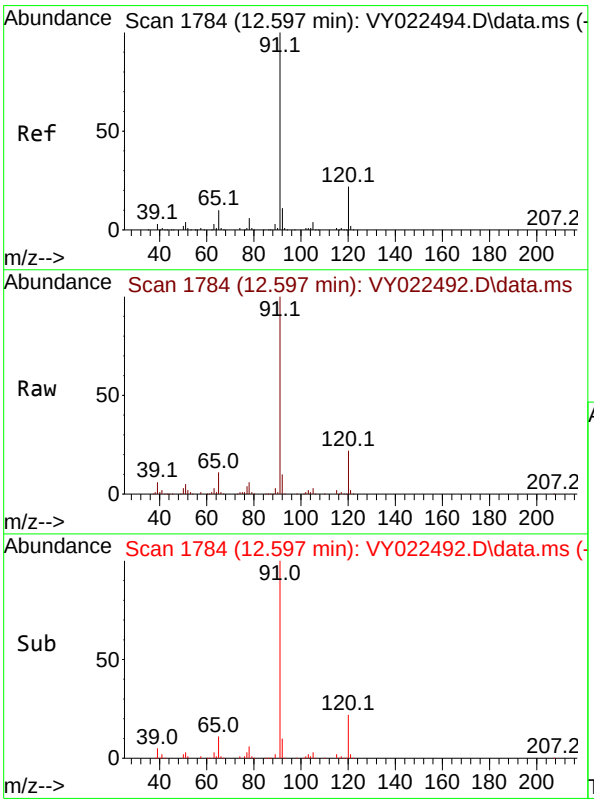
Ion	Ratio	Lower	Upper
156	100		
77	191.7	94.0	282.1
158	97.6	48.2	144.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

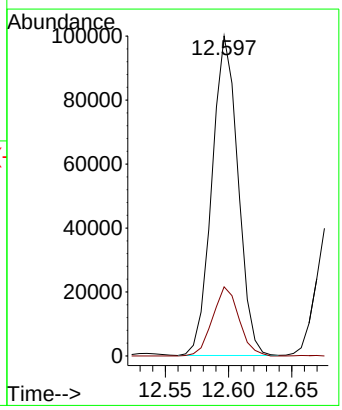


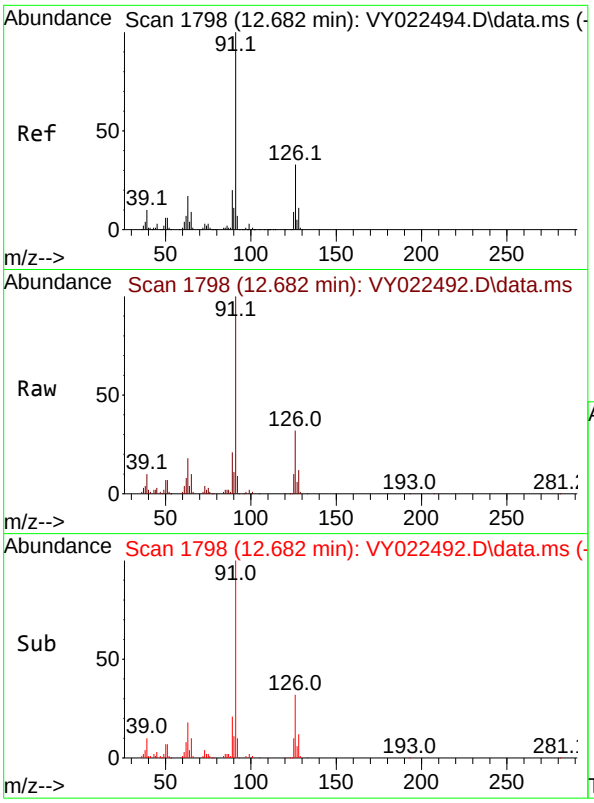


#78
n-propylbenzene
Concen: 10.648 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 91 Resp: 143414

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.8	32.4





#79
2-Chlorotoluene
Concen: 10.591 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

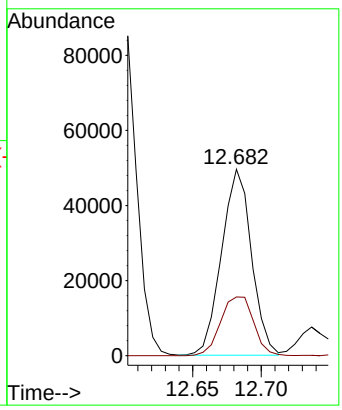
Tgt Ion: 91 Resp: 7532

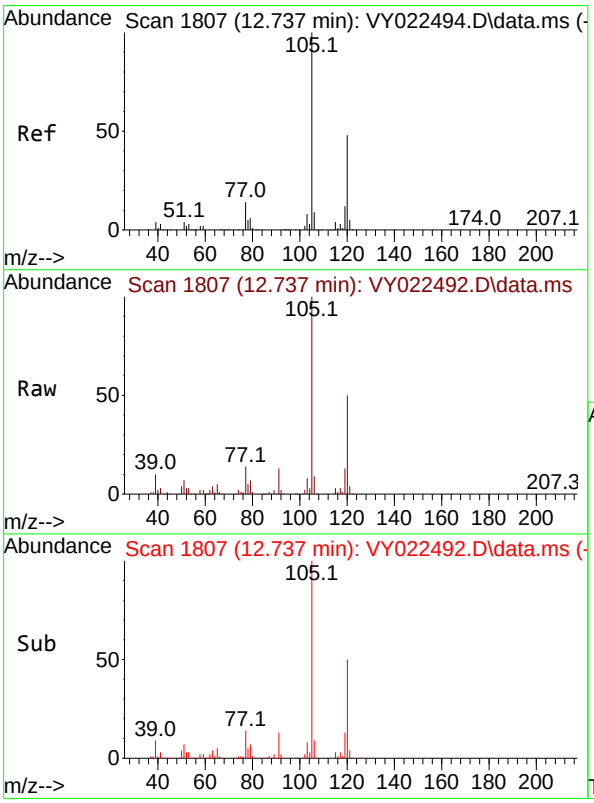
Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.0	51.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

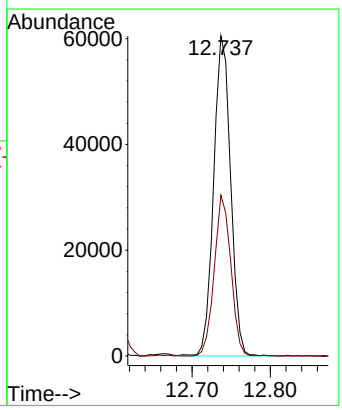


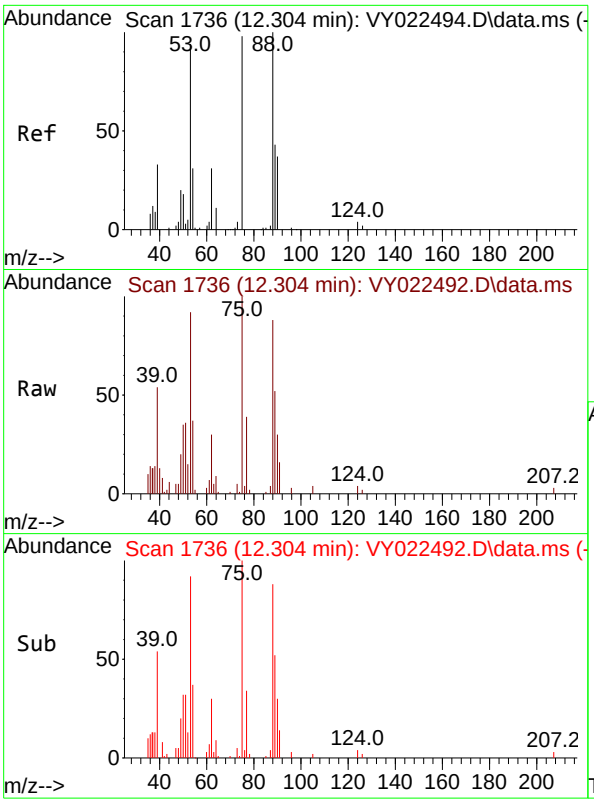


#80
1,3,5-Trimethylbenzene
Concen: 10.532 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:105 Resp: 91121

Ion	Ratio	Lower	Upper
105	100		
120	49.2	24.1	72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 11.084 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

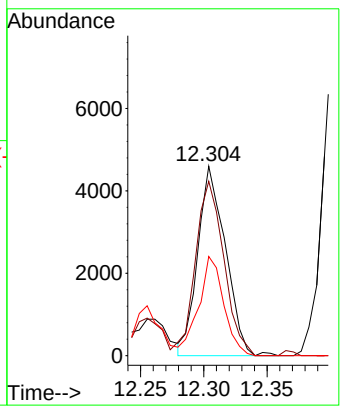
Tgt Ion: 75 Resp: 700

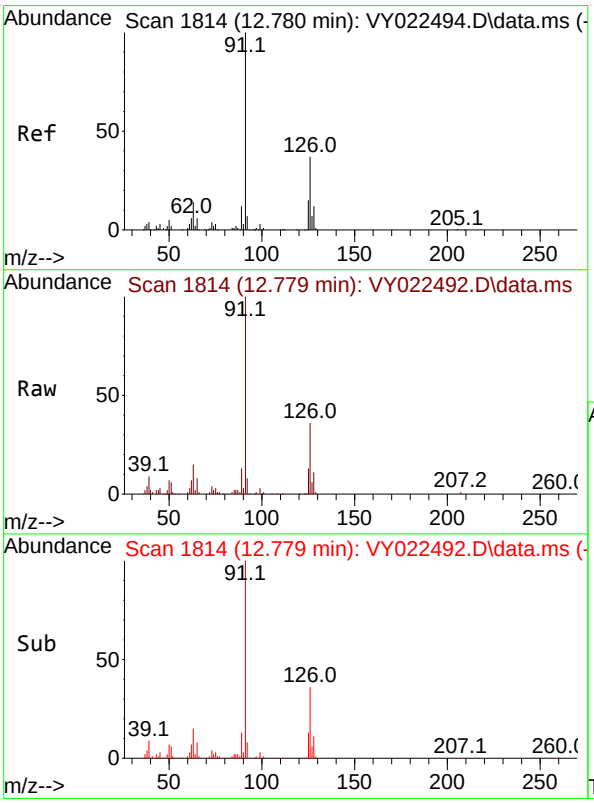
Ion	Ratio	Lower	Upper
75	100		
53	94.7	78.5	117.7
89	47.6	35.7	53.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

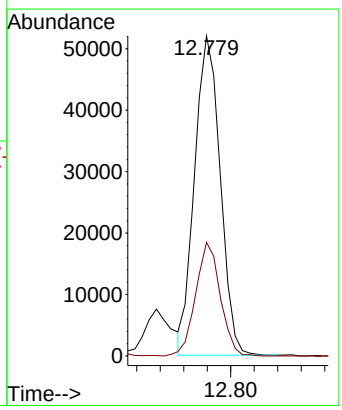


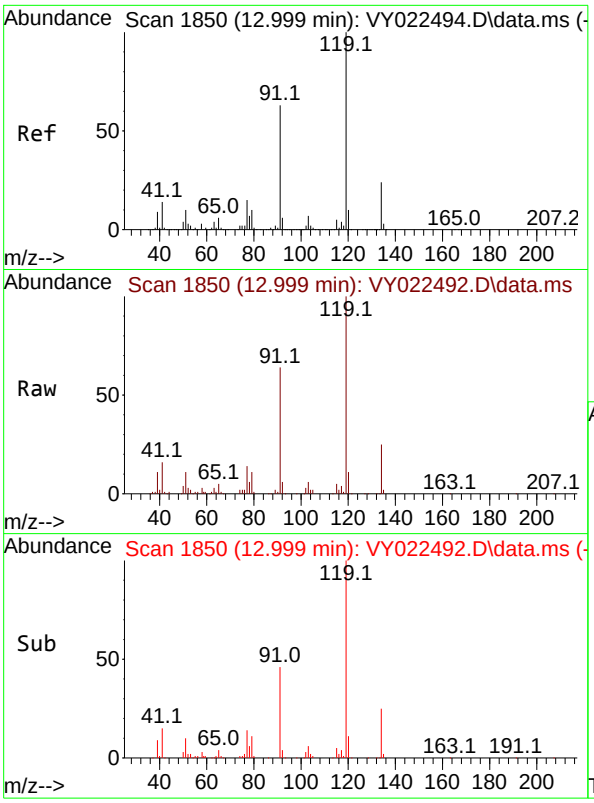


#82
4-Chlorotoluene
Concen: 10.676 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 91 Resp: 78689

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	50.9

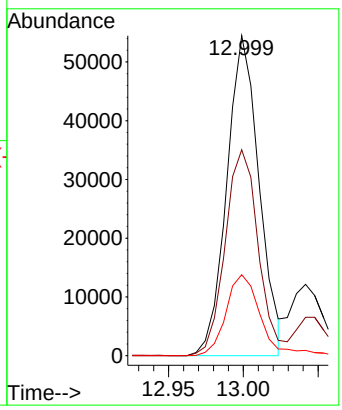




#83
tert-Butylbenzene
Concen: 10.367 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:119 Resp: 8182

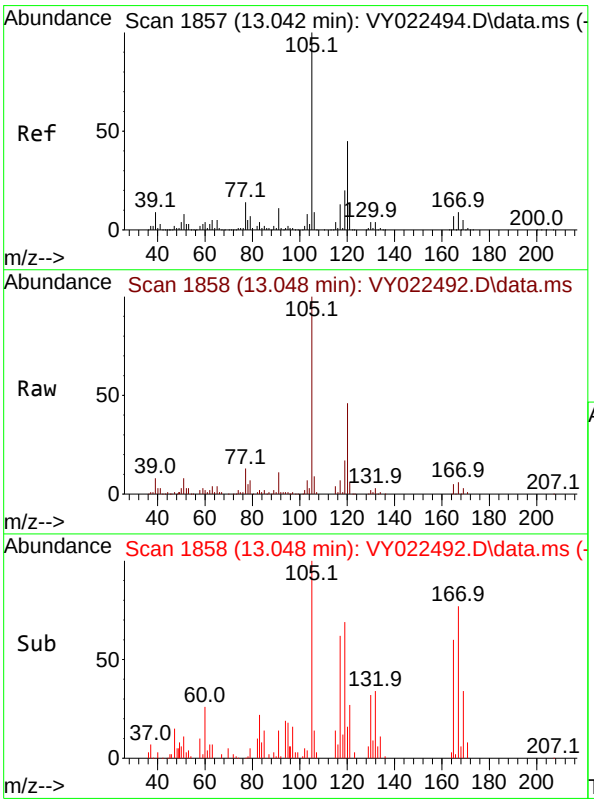
Ion	Ratio	Lower	Upper
119	100		
91	66.3	32.1	96.3
134	27.2	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

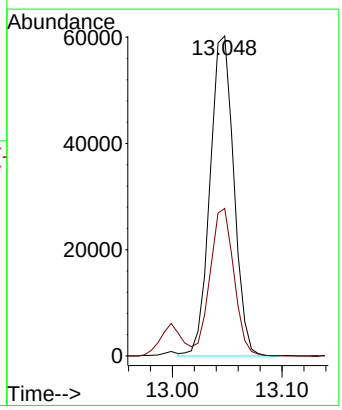
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

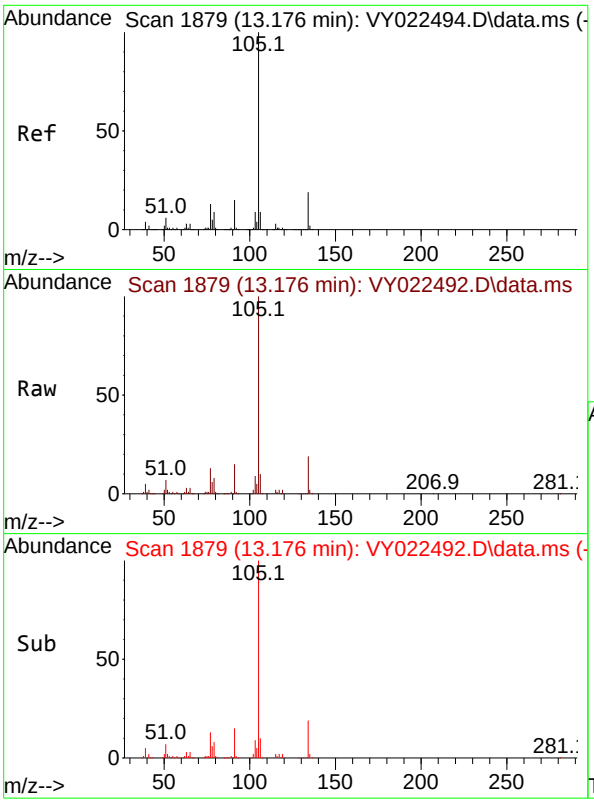


#84
1,2,4-Trimethylbenzene
Concen: 10.495 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:105 Resp: 90848

Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.7	68.1

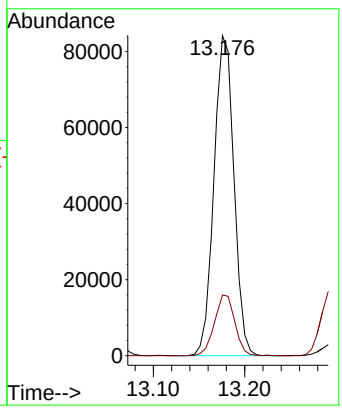




#85
sec-Butylbenzene
Concen: 10.678 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:105 Resp: 12777

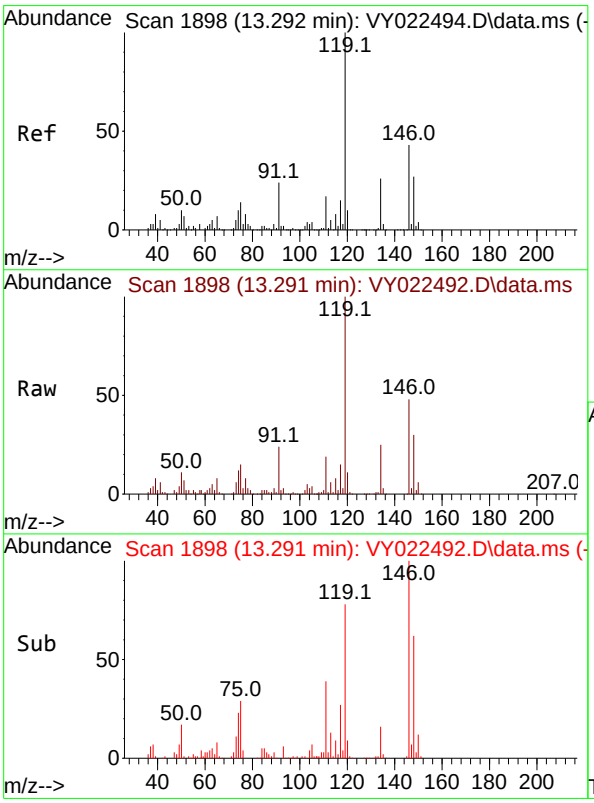
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

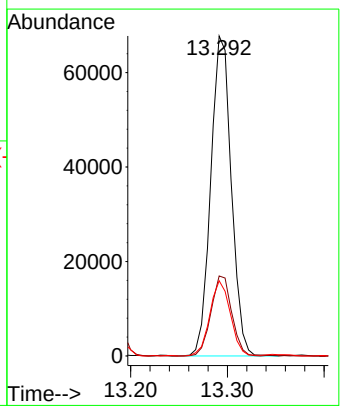
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

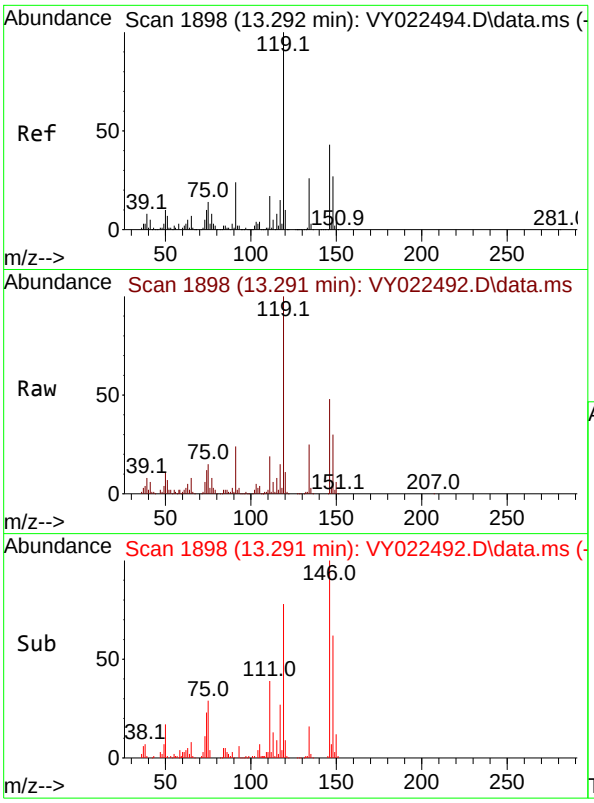


#86
p-Isopropyltoluene
Concen: 10.158 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:119 Resp: 99940

Ion	Ratio	Lower	Upper
119	100		
134	25.2	13.1	39.1
91	23.5	11.6	34.8





#87
1,3-Dichlorobenzene
Concen: 10.437 ug/l
RT: 13.291 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

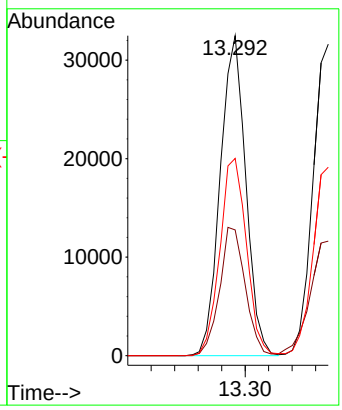
Tgt Ion:146 Resp: 4897

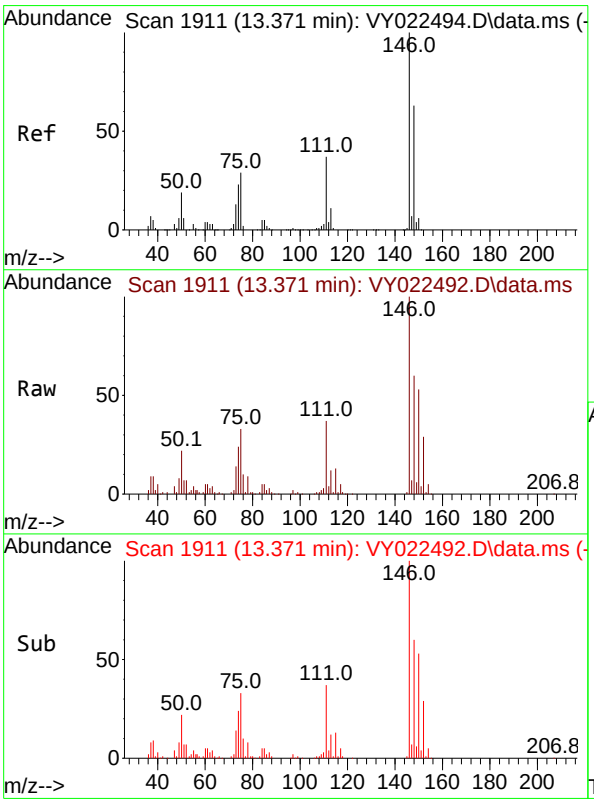
Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.1	60.2
148	64.6	32.1	96.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

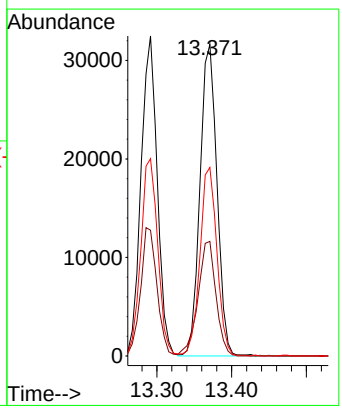


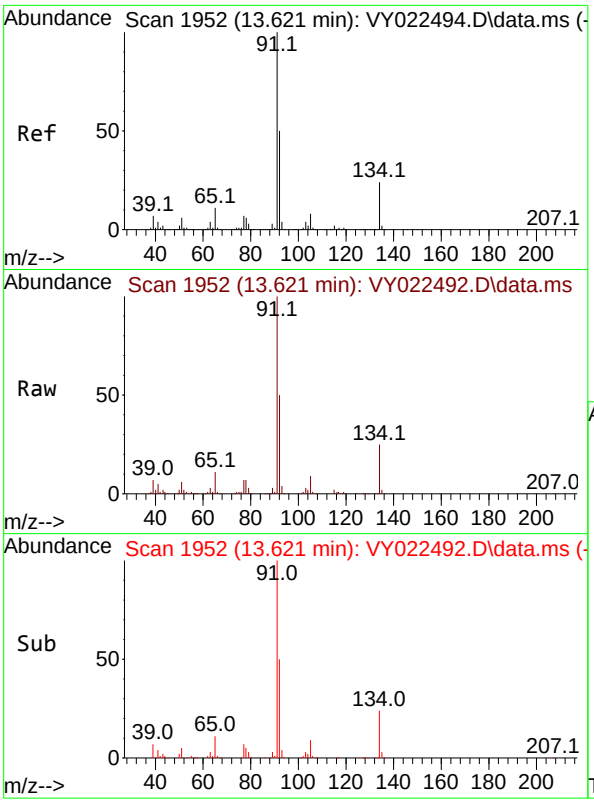


#88
1,4-Dichlorobenzene
Concen: 10.900 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:146 Resp: 49834

Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.2
148	60.6	31.6	94.8

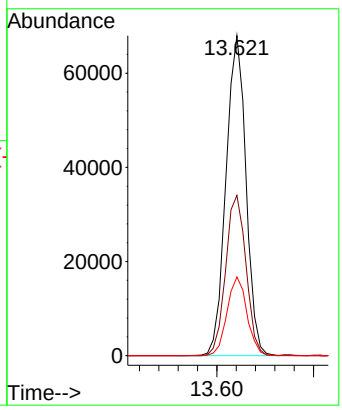




#89
n-Butylbenzene
Concen: 10.413 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 91 Resp: 9754

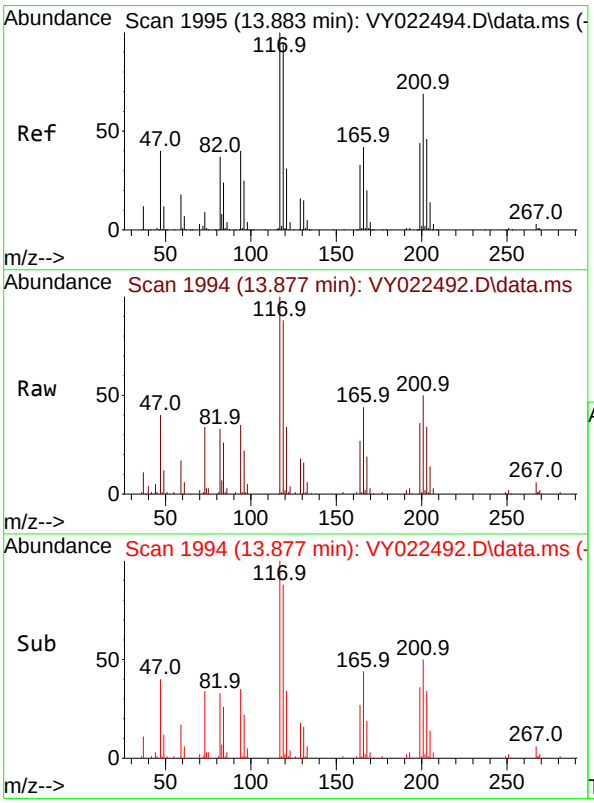
Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.9	77.8
134	24.6	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

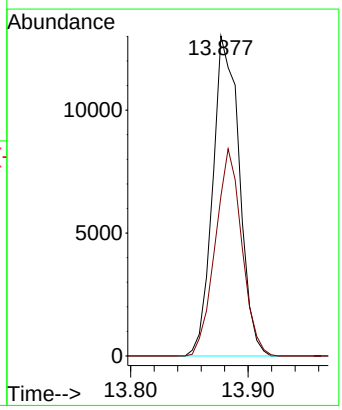
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

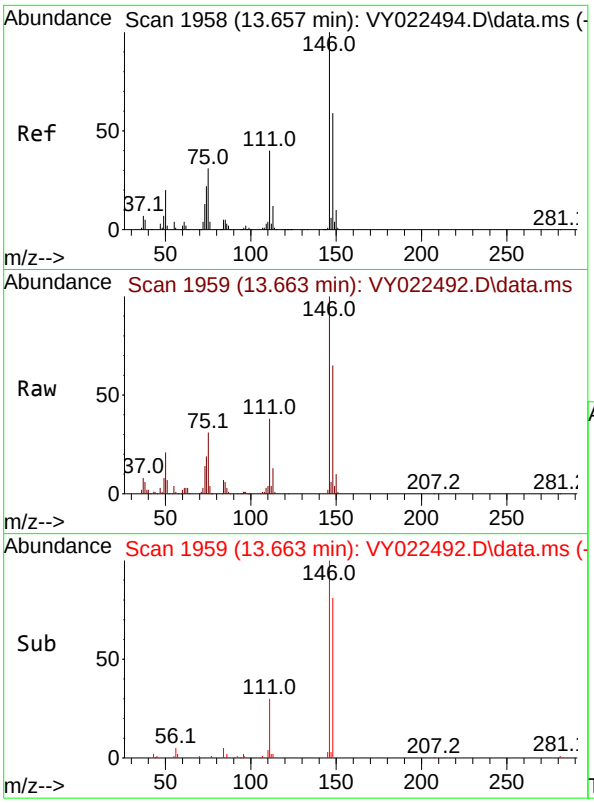


#90
Hexachloroethane
Concen: 10.631 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:117 Resp: 20466

Ion	Ratio	Lower	Upper
117	100		
201	64.9	34.0	102.0

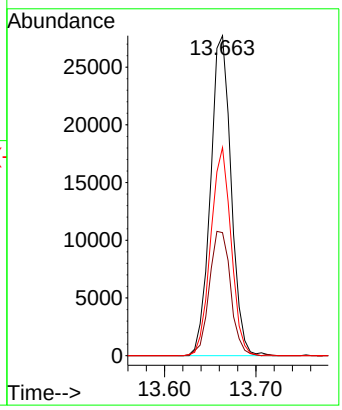




#91
1,2-Dichlorobenzene
Concen: 10.781 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:146 Resp: 4346

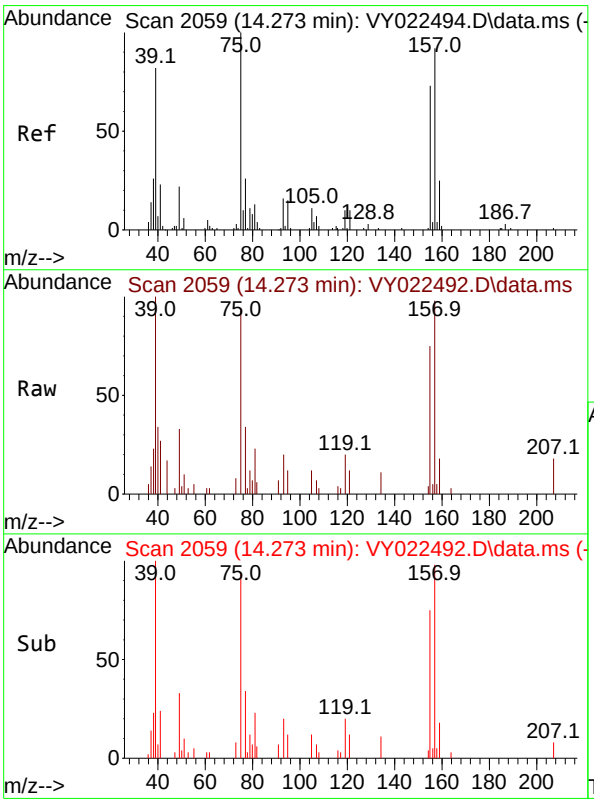
Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.2	60.6
148	64.0	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

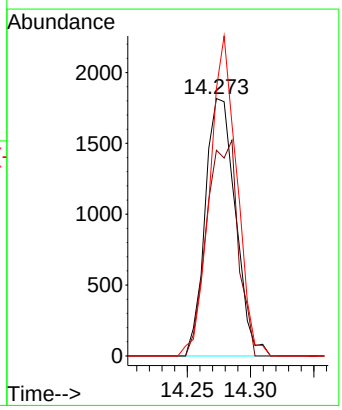
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

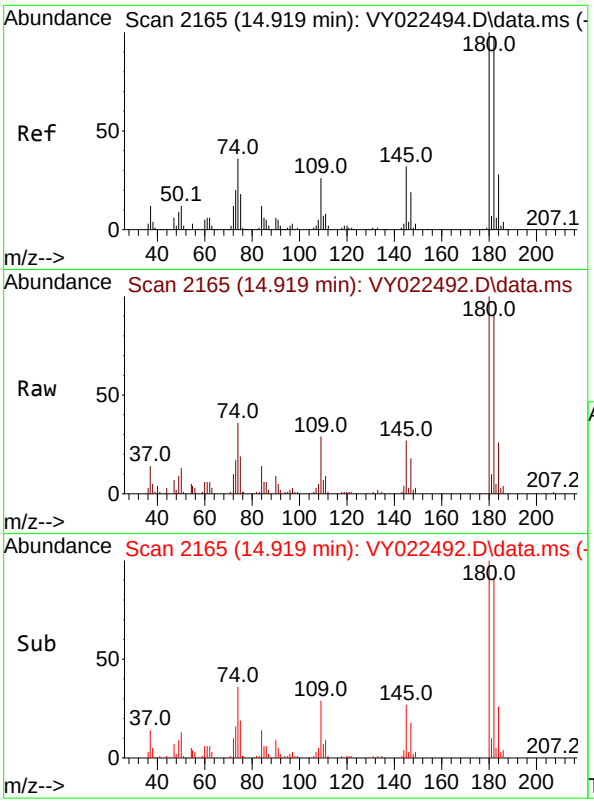


#92
1,2-Dibromo-3-Chloropropane
Concen: 11.095 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 75 Resp: 3014

Ion	Ratio	Lower	Upper
75	100		
155	86.2	39.9	119.6
157	111.3	54.0	162.0

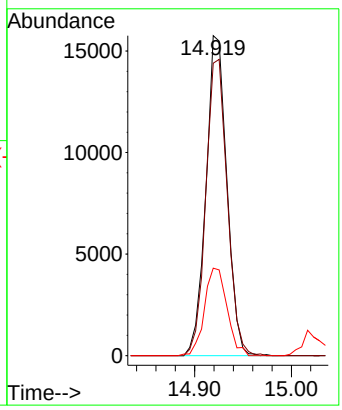




#93
1,2,4-Trichlorobenzene
Concen: 10.760 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:180 Resp: 2371

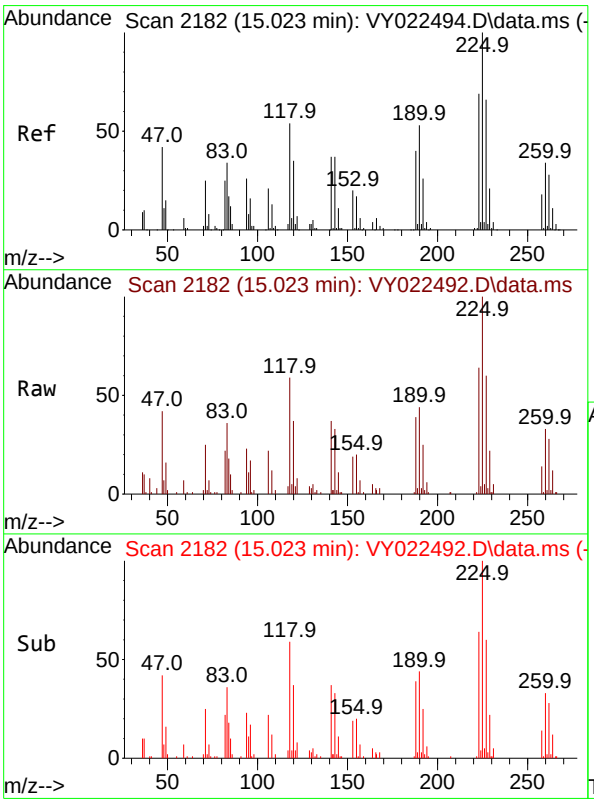
Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.4	145.3
145	29.5	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

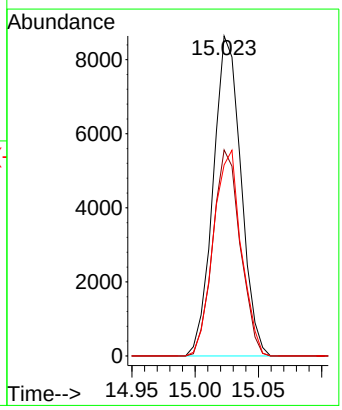
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

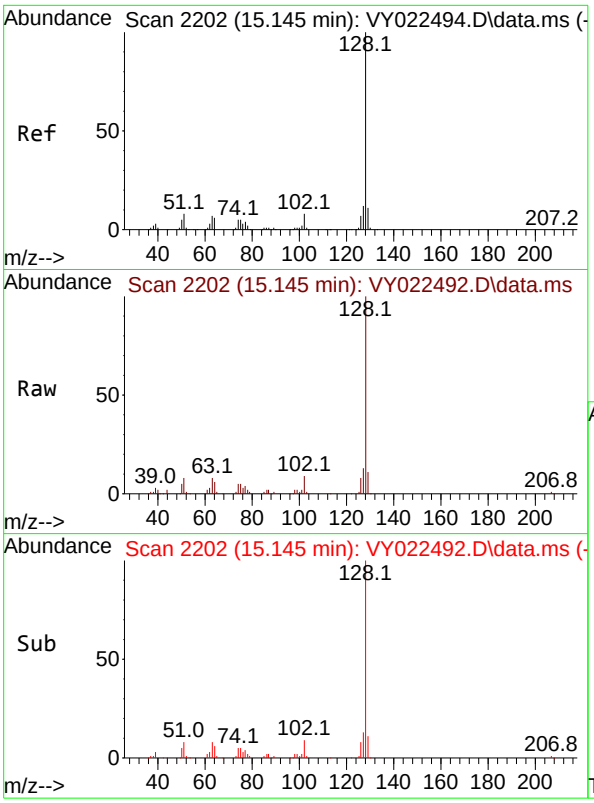


#94
Hexachlorobutadiene
Concen: 10.951 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:225 Resp: 13179

Ion	Ratio	Lower	Upper
225	100		
223	63.6	32.5	97.4
227	64.7	32.3	96.9

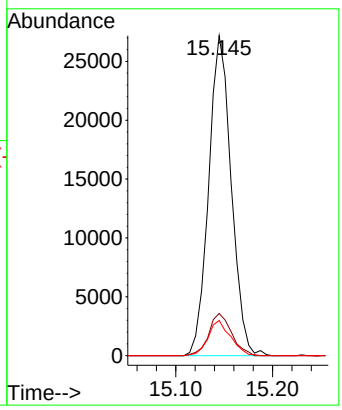




#95
Naphthalene
Concen: 10.434 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:128 Resp: 4406

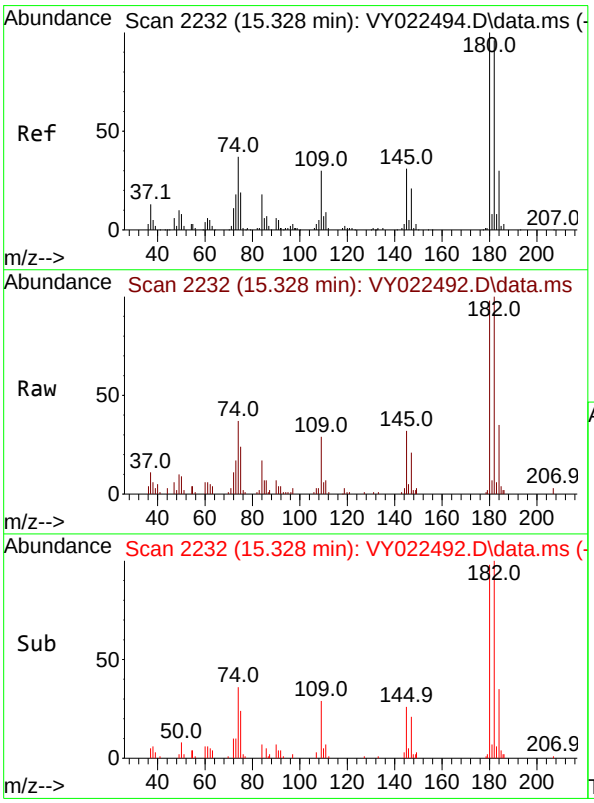
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	10.9	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

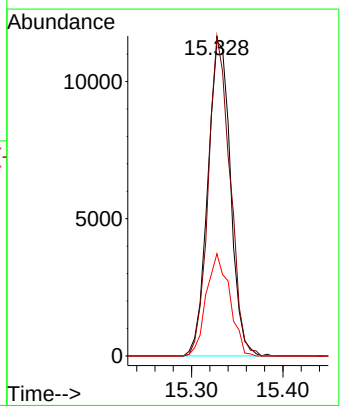
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 10.581 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:180 Resp: 19814

Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.1	141.3
145	33.5	15.2	45.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	217359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	369398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	314276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	144385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	48383	20.457	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.920%#		
35) Dibromofluoromethane	7.640	113	44482	20.456	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.920%#		
50) Toluene-d8	10.109	98	171165	19.474	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.940%#		
62) 4-Bromofluorobenzene	12.408	95	51231	19.225	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.440%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	43056	22.669	ug/l	99
3) Chloromethane	2.068	50	124441	22.209	ug/l	98
4) Vinyl Chloride	2.208	62	143182	21.833	ug/l	99
5) Bromomethane	2.592	94	148203	23.891	ug/l	99
6) Chloroethane	2.739	64	104116	23.188	ug/l	98
7) Trichlorofluoromethane	3.056	101	124370	22.320	ug/l	94
8) Diethyl Ether	3.458	74	27359	22.230	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	49746	21.283	ug/l	99
10) Methyl Iodide	4.013	142	52917	21.112	ug/l	99
11) Tert butyl alcohol	4.891	59	19456	115.163	ug/l	96
12) 1,1-Dichloroethene	3.793	96	47770	21.411	ug/l	100
13) Acrolein	3.659	56	22974	111.404	ug/l	98
14) Allyl chloride	4.391	41	73926	21.263	ug/l	98
15) Acrylonitrile	5.073	53	57803	110.420	ug/l	97
16) Acetone	3.885	43	52330	111.925	ug/l	99
17) Carbon Disulfide	4.110	76	150515	21.130	ug/l	99
18) Methyl Acetate	4.397	43	34419	24.470	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	136549	21.935	ug/l	98
20) Methylene Chloride	4.622	84	55399	21.222	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	53194	21.342	ug/l	93
22) Diisopropyl ether	6.031	45	168064	21.739	ug/l	97
23) Vinyl Acetate	5.970	43	497937	108.569	ug/l	99
24) 1,1-Dichloroethane	5.927	63	97760	21.392	ug/l	97
25) 2-Butanone	6.902	43	77329	112.124	ug/l	93
26) 2,2-Dichloropropane	6.890	77	84543	20.811	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	61362	21.300	ug/l	98
28) Bromochloromethane	7.256	49	41634	21.085	ug/l	99
29) Tetrahydrofuran	7.268	42	49517	111.296	ug/l	99
30) Chloroform	7.427	83	96414	21.350	ug/l	96
31) Cyclohexane	7.707	56	95487	20.762	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	84365	20.905	ug/l	99
36) 1,1-Dichloropropene	7.841	75	72658	20.670	ug/l	98
37) Ethyl Acetate	6.988	43	34204	22.110	ug/l	98
38) Carbon Tetrachloride	7.823	117	73370	20.247	ug/l	93
39) Methylcyclohexane	9.115	83	95280	20.065	ug/l	97
40) Benzene	8.085	78	217595	21.000	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	19470	19.542	ug/l		95
42) 1,2-Dichloroethane	8.164	62	61097	21.676	ug/l		98
43) Isopropyl Acetate	8.201	43	73745	21.814	ug/l		97
44) Trichloroethene	8.872	130	52175	20.613	ug/l		98
45) 1,2-Dichloropropane	9.146	63	52378	21.204	ug/l		99
46) Dibromomethane	9.237	93	29741	21.491	ug/l		99
47) Bromodichloromethane	9.426	83	73717	20.995	ug/l		99
48) Methyl methacrylate	9.225	41	34508	22.294	ug/l		99
49) 1,4-Dioxane	9.237	88	7444	450.895	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	181461	108.147	ug/l		98
52) Toluene	10.176	92	133601	20.508	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	70358	21.660	ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	80524	21.141	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	38079	21.849	ug/l		98
56) Ethyl methacrylate	10.444	69	54734	21.626	ug/l		99
57) 1,3-Dichloropropane	10.719	76	66163	21.317	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.713	63	118244	104.797	ug/l		100
59) 2-Hexanone	10.761	43	122817	109.805	ug/l		99
60) Dibromochloromethane	10.914	129	47952	21.715	ug/l		98
61) 1,2-Dibromoethane	11.018	107	35324	21.965	ug/l		95
64) Tetrachloroethene	10.652	164	56256	21.063	ug/l		99
65) Chlorobenzene	11.444	112	138583	20.336	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	47587	20.600	ug/l		98
67) Ethyl Benzene	11.524	91	252180	19.871	ug/l		100
68) m/p-Xylenes	11.633	106	192372	40.053	ug/l		99
69) o-Xylene	11.956	106	90598	20.155	ug/l		98
70) Styrene	11.969	104	149486	20.086	ug/l		98
71) Bromoform	12.133	173	25089	20.668	ug/l	#	99
73) Isopropylbenzene	12.255	105	236185	20.303	ug/l		99
74) N-amyl acetate	12.072	43	62437	21.224	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	39986	21.165	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	33589m	17.622	ug/l		
77) Bromobenzene	12.536	156	51416	20.853	ug/l		99
78) n-propylbenzene	12.597	91	286589	20.239	ug/l		99
79) 2-Chlorotoluene	12.682	91	153250	20.497	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	187101	20.570	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	13897	20.904	ug/l		97
82) 4-Chlorotoluene	12.779	91	154601	19.951	ug/l		99
83) tert-Butylbenzene	12.999	119	167512	20.188	ug/l		100
84) 1,2,4-Trimethylbenzene	13.048	105	184202	20.241	ug/l		100
85) sec-Butylbenzene	13.176	105	251350	19.979	ug/l		100
86) p-Isopropyltoluene	13.292	119	207417	20.054	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	99901	20.252	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	100082	20.823	ug/l		98
89) n-Butylbenzene	13.621	91	199786	20.287	ug/l		99
90) Hexachloroethane	13.883	117	41119	20.316	ug/l		100
91) 1,2-Dichlorobenzene	13.663	146	89355	21.085	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5939	20.796	ug/l		94
93) 1,2,4-Trichlorobenzene	14.925	180	46919	20.254	ug/l		99
94) Hexachlorobutadiene	15.023	225	25462	20.124	ug/l		99
95) Naphthalene	15.145	128	93203	20.994	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	41131	20.892	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 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

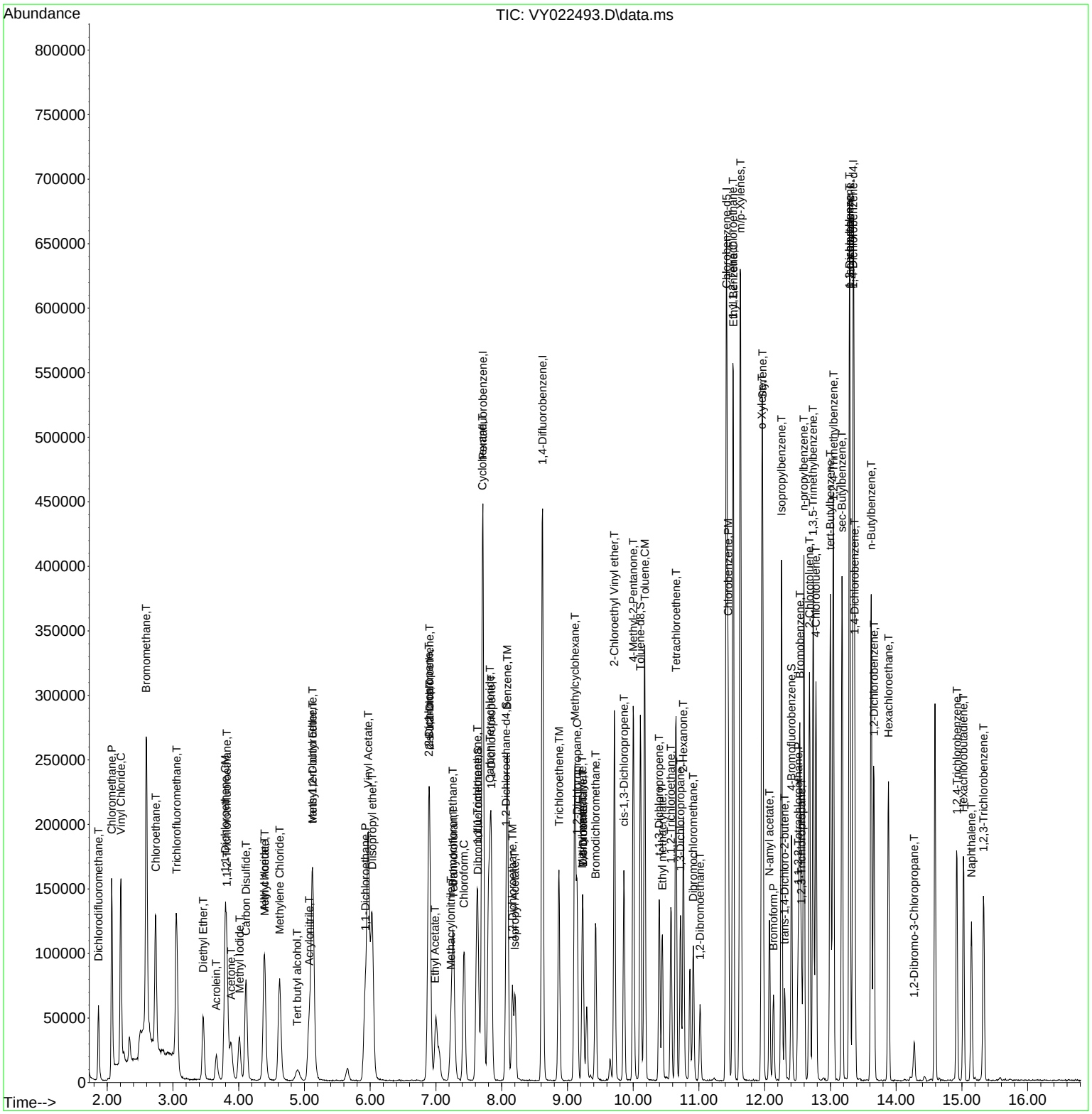
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

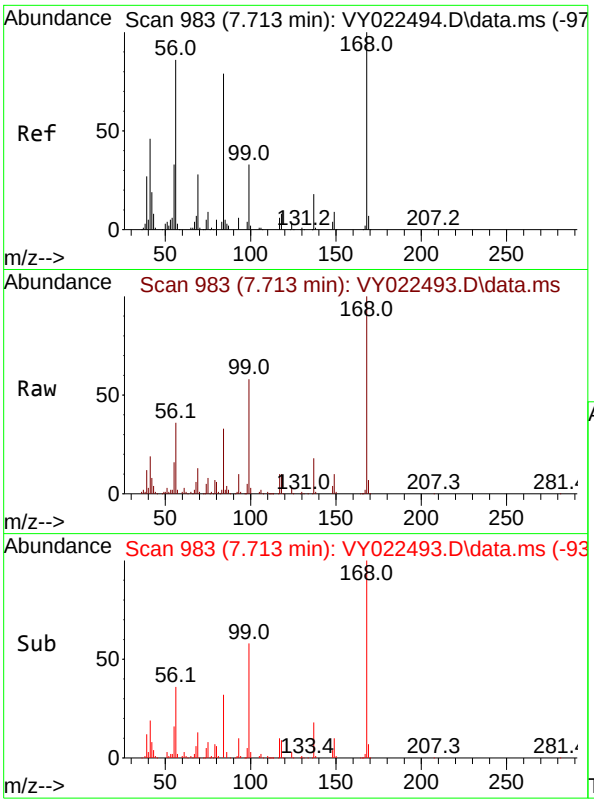
Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

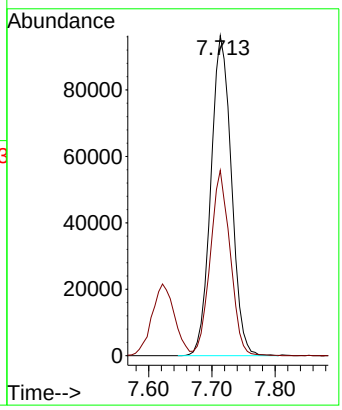




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:168 Resp: 21735

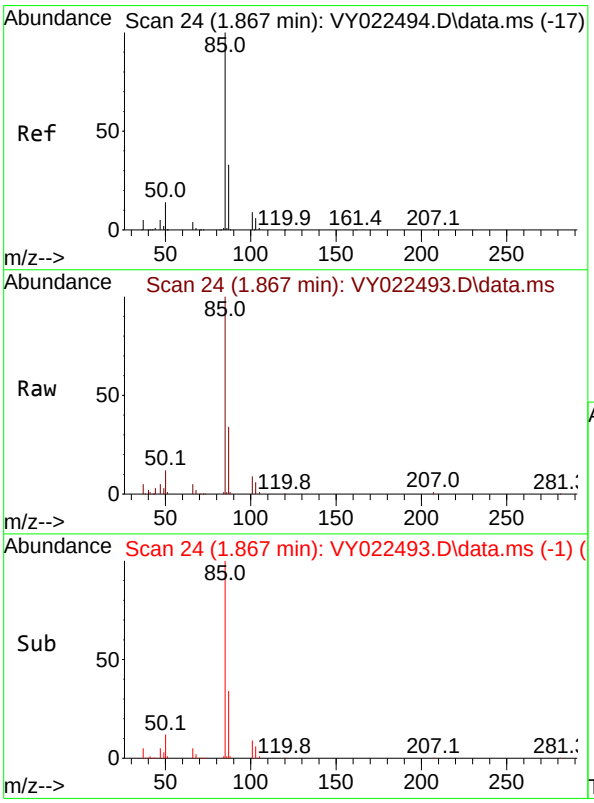
Ion	Ratio	Lower	Upper
168	100		
99	57.8	44.3	66.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

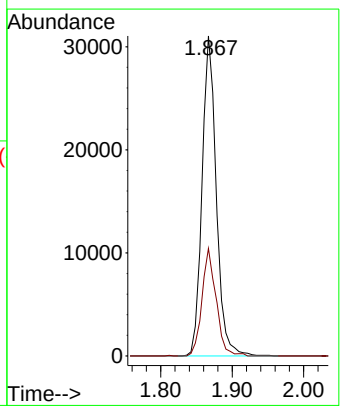
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

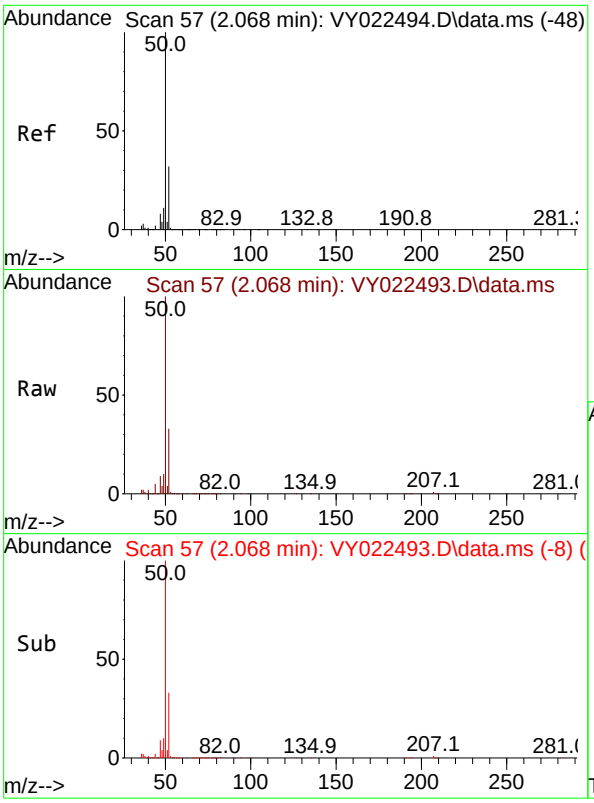


#2
Dichlorodifluoromethane
Concen: 22.669 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 85 Resp: 43056

Ion	Ratio	Lower	Upper
85	100		
87	33.6	16.7	50.0





#3
Chloromethane
Concen: 22.209 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

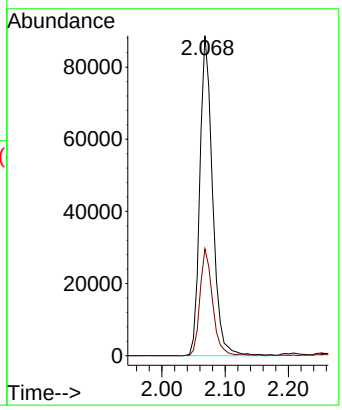
Tgt Ion: 50 Resp: 12444

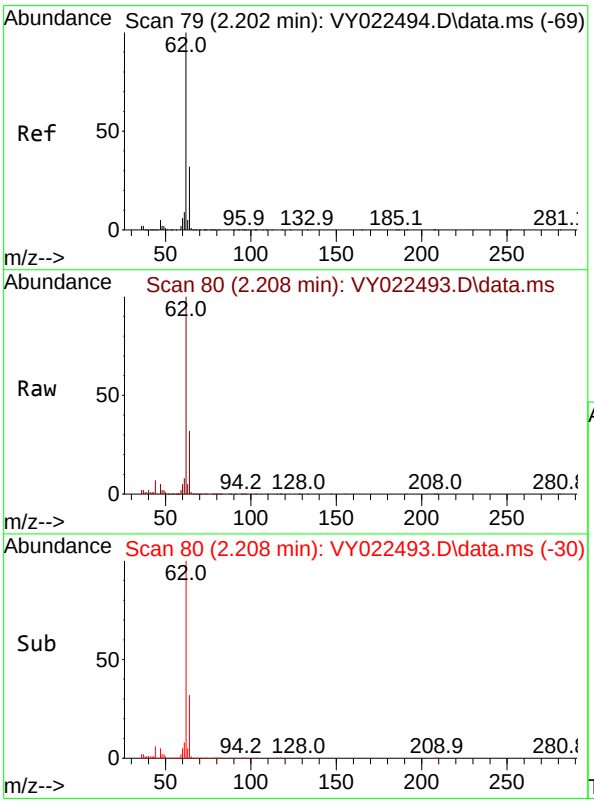
Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

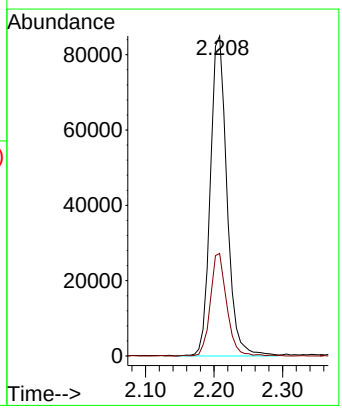


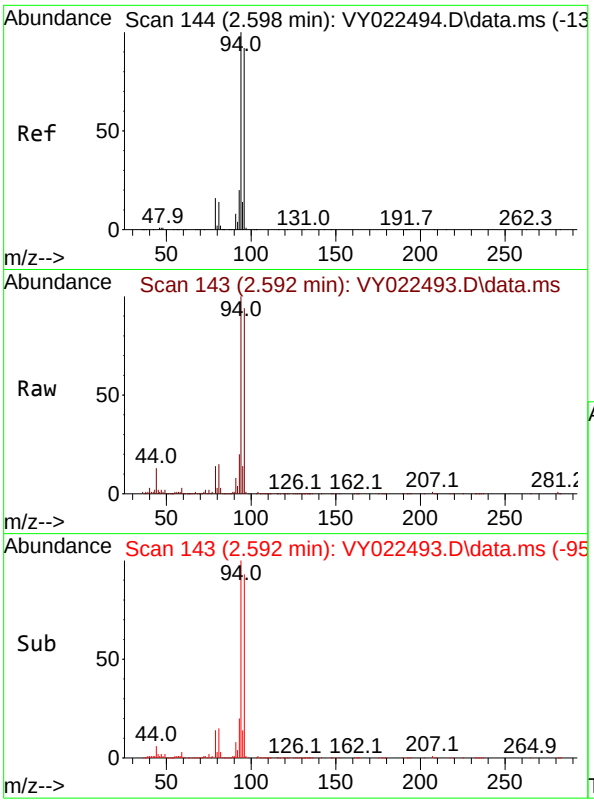


#4
Vinyl Chloride
Concen: 21.833 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 62 Resp: 143182

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.3	37.9





#5
Bromomethane
Concen: 23.891 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

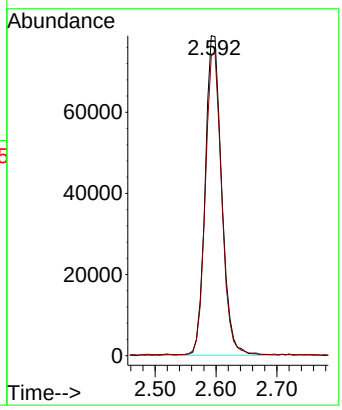
Tgt Ion: 94 Resp: 14820

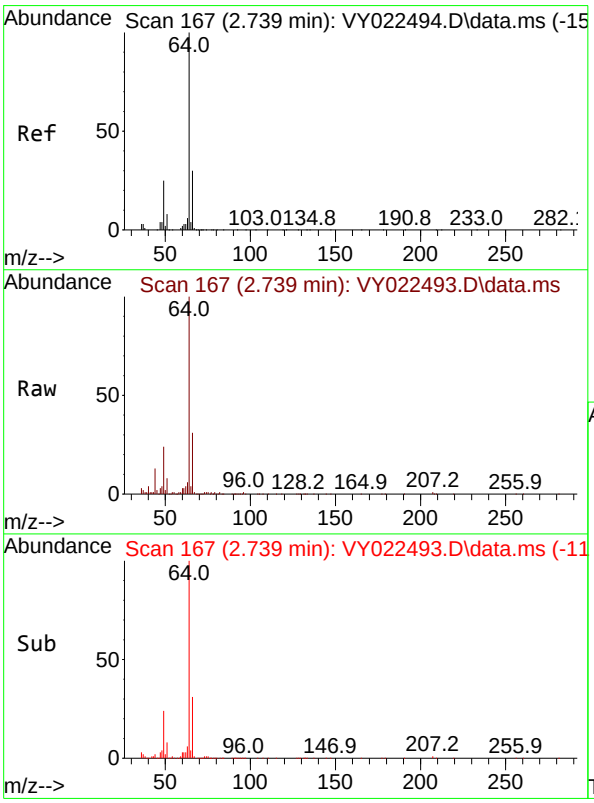
Ion	Ratio	Lower	Upper
94	100		
96	93.5	74.0	111.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

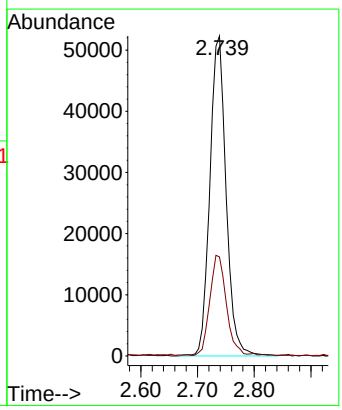


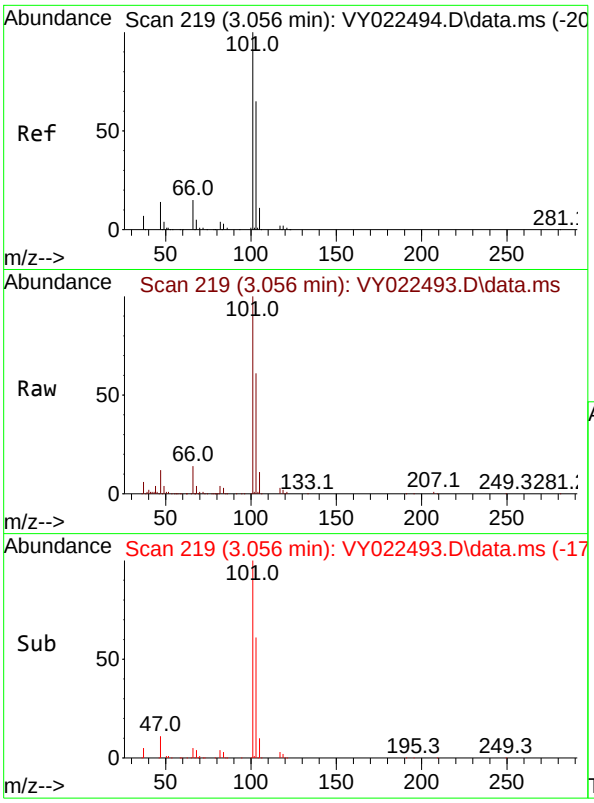


#6
Chloroethane
Concen: 23.188 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 64 Resp: 104116

Ion	Ratio	Lower	Upper
64	100		
66	30.8	23.8	35.6

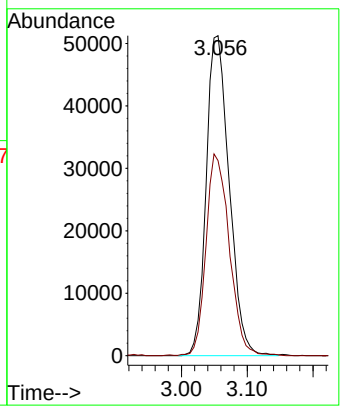




#7
Trichlorofluoromethane
Concen: 22.320 ug/l
RT: 3.056 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:101 Resp: 12437

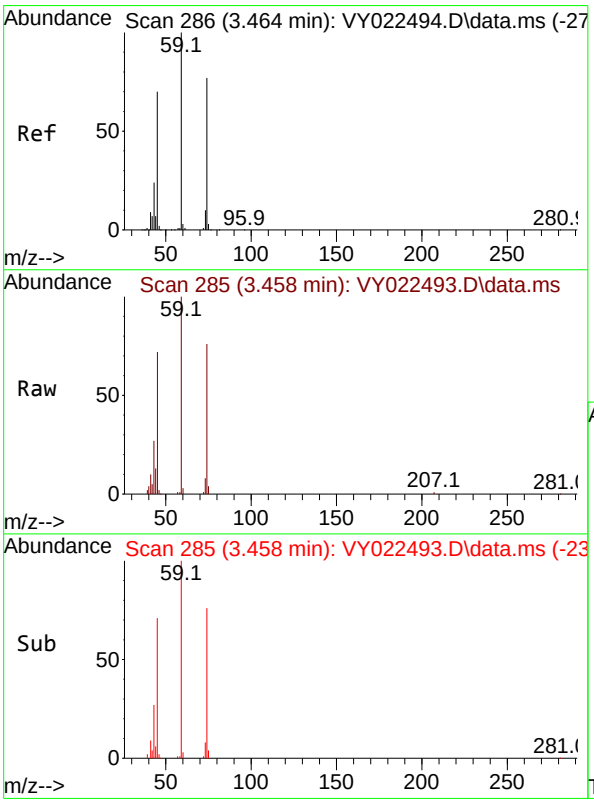
Ion	Ratio	Lower	Upper
101	100		
103	60.8	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

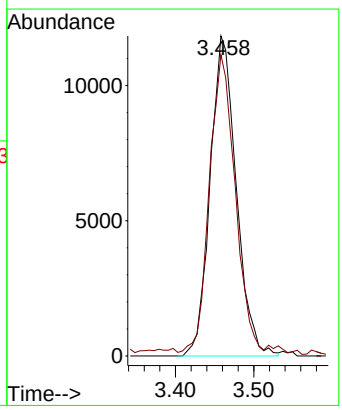
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

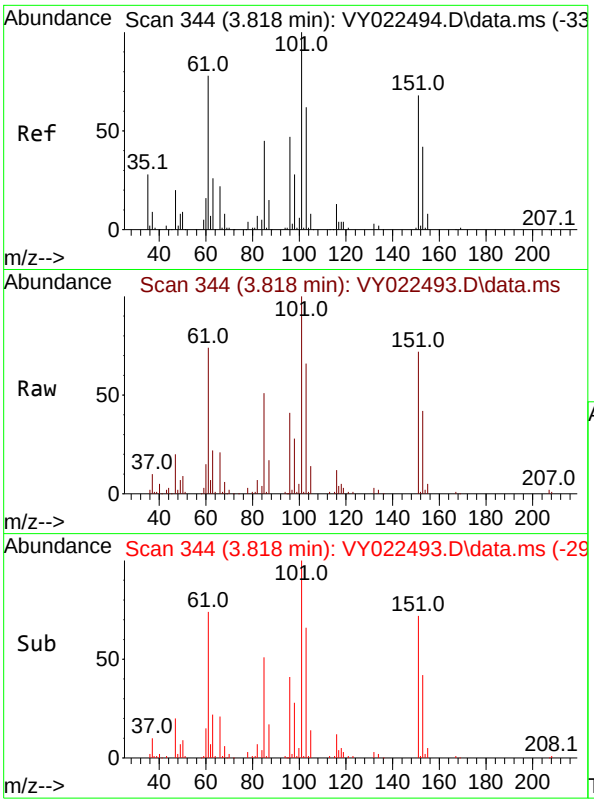


#8
Diethyl Ether
Concen: 22.230 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 74 Resp: 27359

Ion	Ratio	Lower	Upper
74	100		
45	91.2	45.9	137.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.283 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

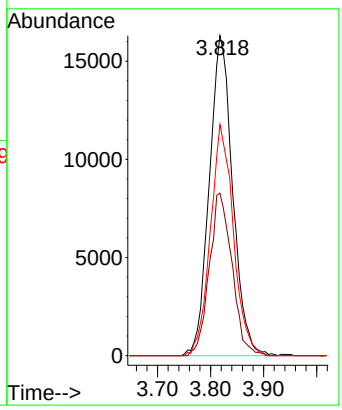
Tgt Ion:101 Resp: 4974

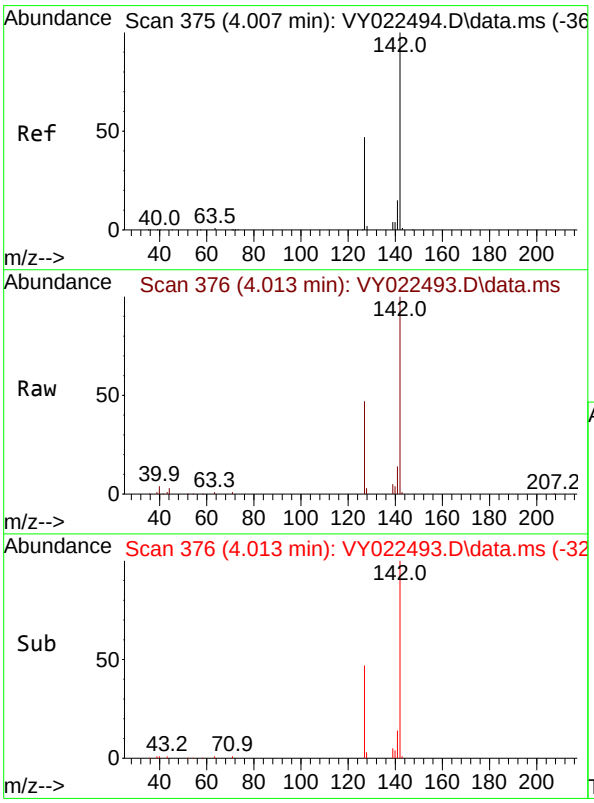
Ion	Ratio	Lower	Upper
101	100		
85	49.4	39.3	58.9
151	71.4	57.8	86.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

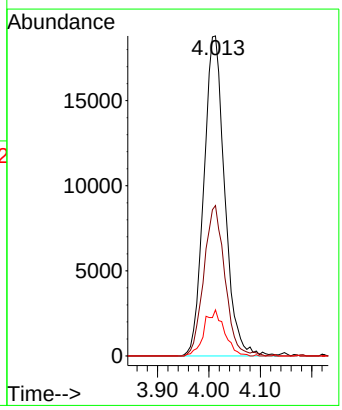


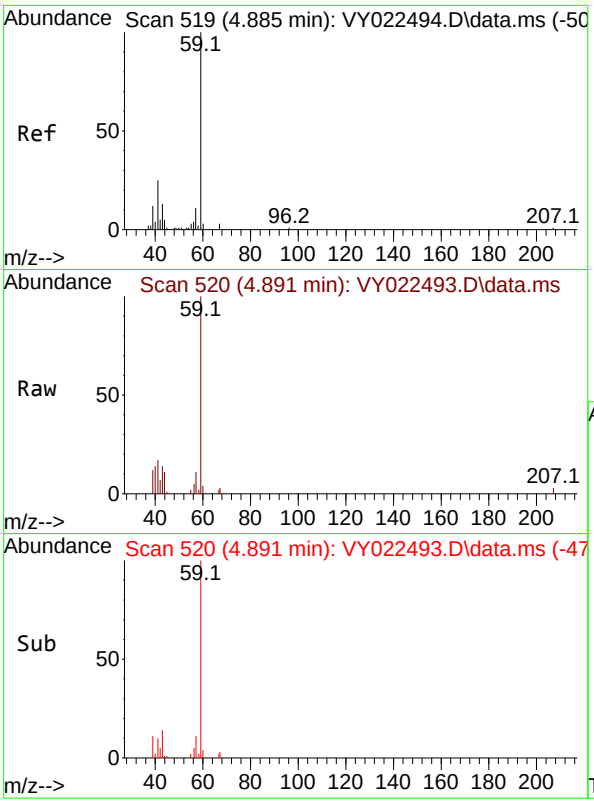


#10
Methyl Iodide
Concen: 21.112 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:142 Resp: 52917

Ion	Ratio	Lower	Upper
142	100		
127	47.5	37.1	55.7
141	14.1	11.4	17.2

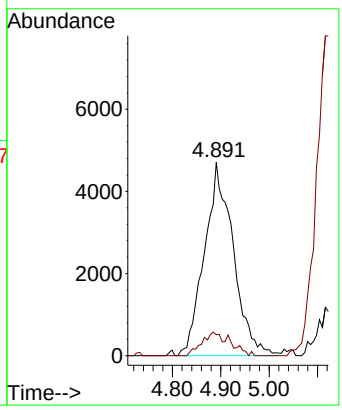




#11
Tert butyl alcohol
Concen: 115.163 ug/l
RT: 4.891 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 59 Resp: 1945

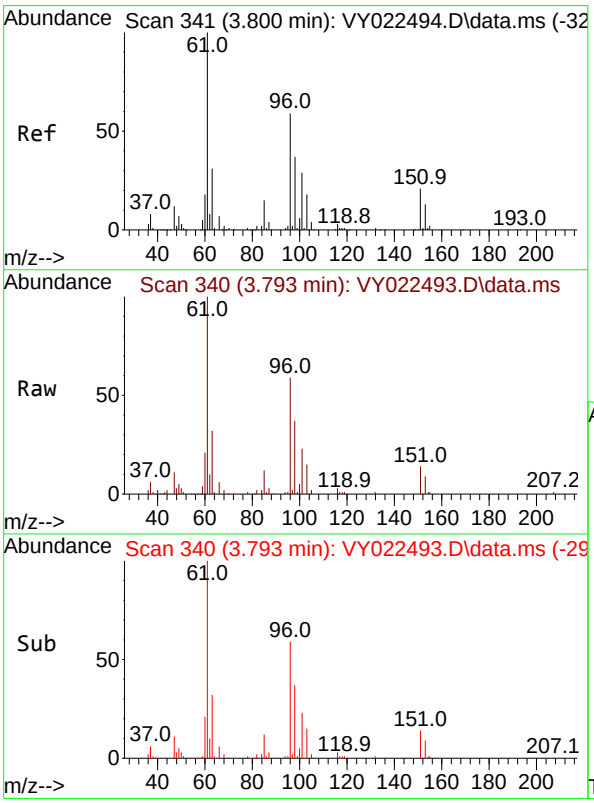
Ion	Ratio	Lower	Upper
59	100		
57	8.6	8.0	12.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

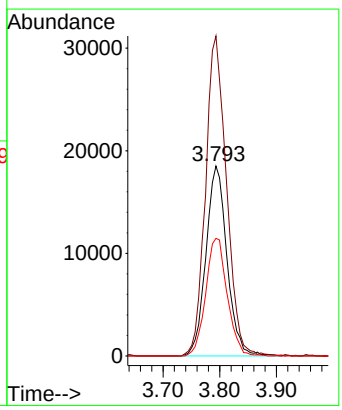
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

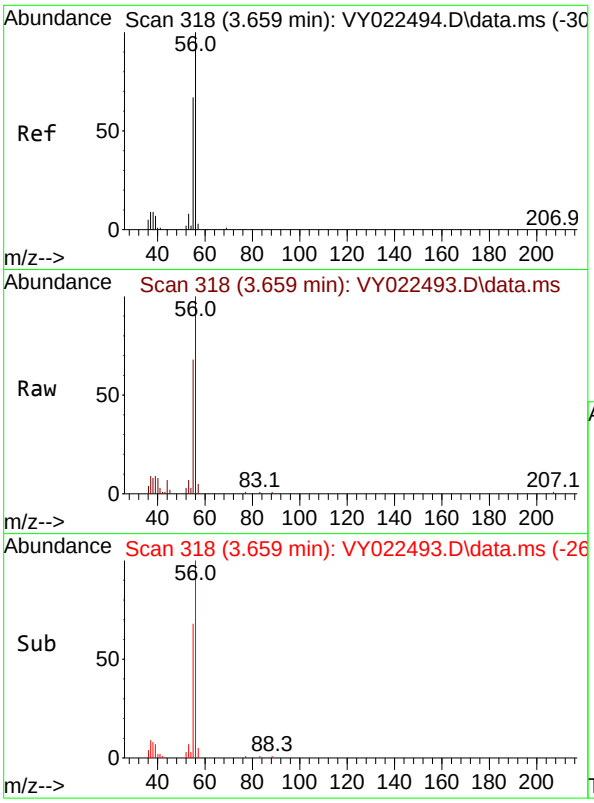


#12
1,1-Dichloroethene
Concen: 21.411 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 96 Resp: 47770

Ion	Ratio	Lower	Upper
96	100		
61	168.5	134.6	201.8
98	61.9	50.2	75.4

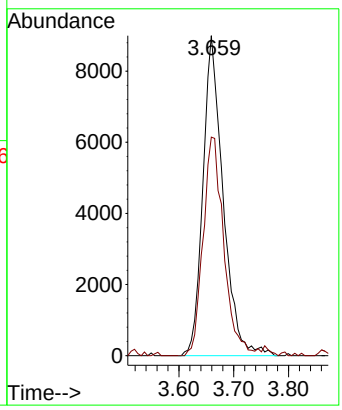




#13
Acrolein
Concen: 111.404 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 56 Resp: 2297

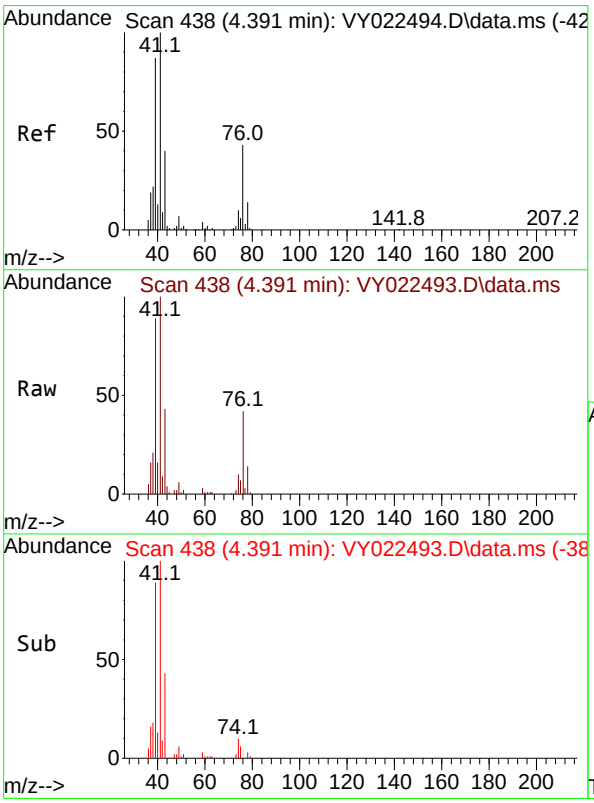
Ion	Ratio	Lower	Upper
56	100		
55	69.8	57.0	85.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

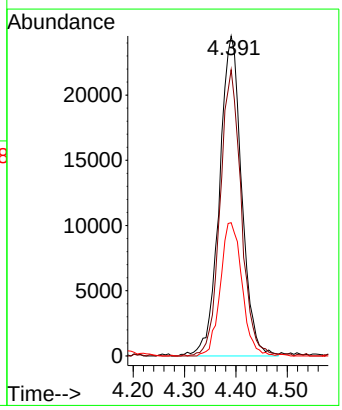
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

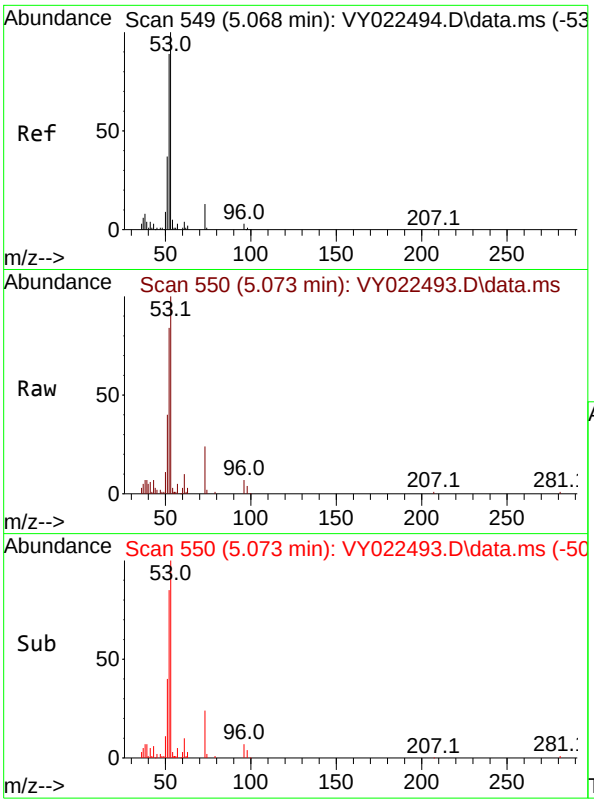


#14
Allyl chloride
Concen: 21.263 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 41 Resp: 73926

Ion	Ratio	Lower	Upper
41	100		
39	84.7	69.1	103.7
76	40.5	33.5	50.3

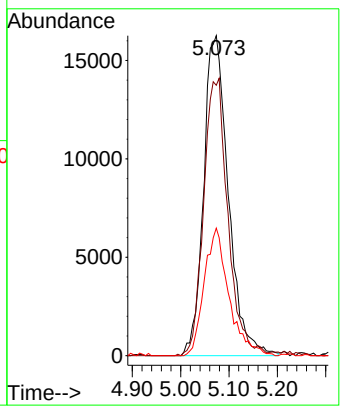




#15
Acrylonitrile
Concen: 110.420 ug/l
RT: 5.073 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 53 Resp: 5780

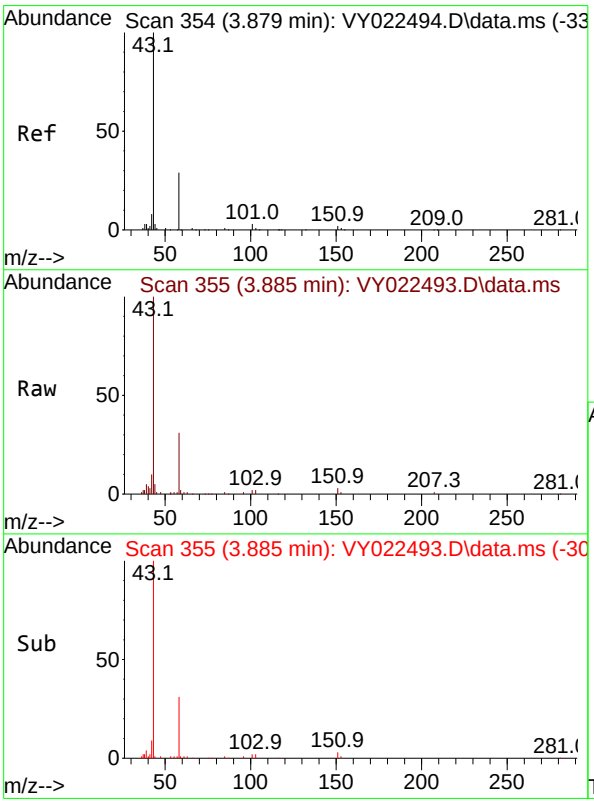
Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.7	98.5
51	39.8	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

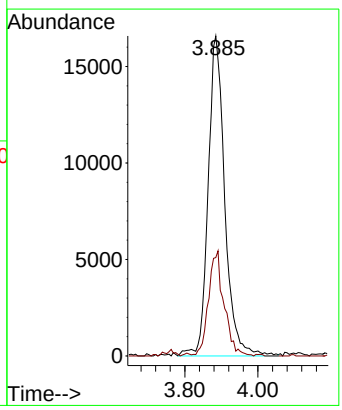
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

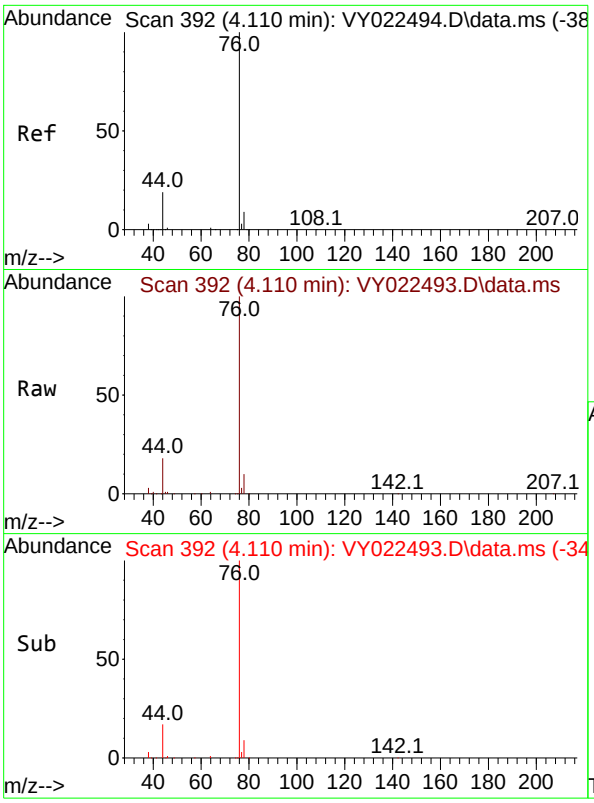


#16
Acetone
Concen: 111.925 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 52330

Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.0	36.0





#17
Carbon Disulfide
Concen: 21.130 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

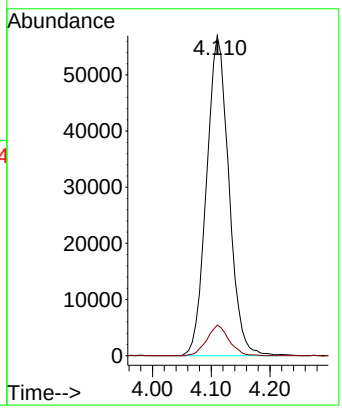
Tgt Ion: 76 Resp: 15051

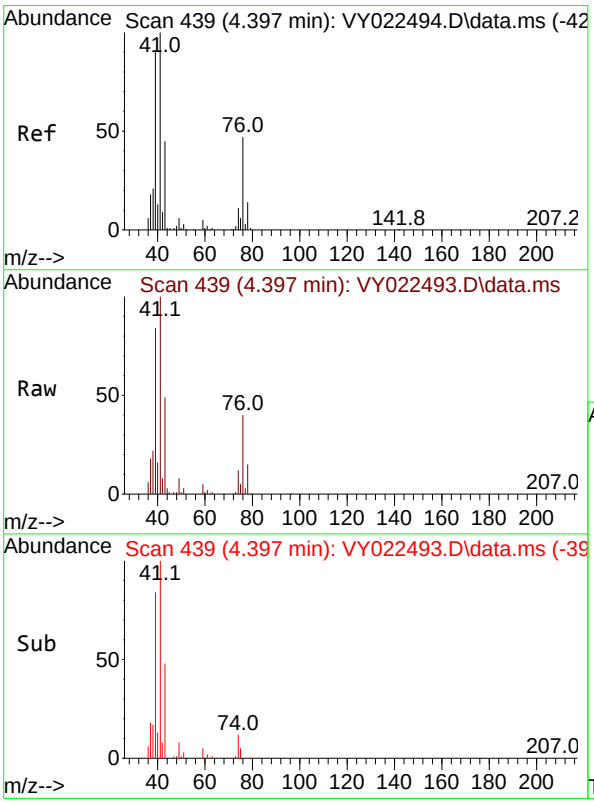
Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

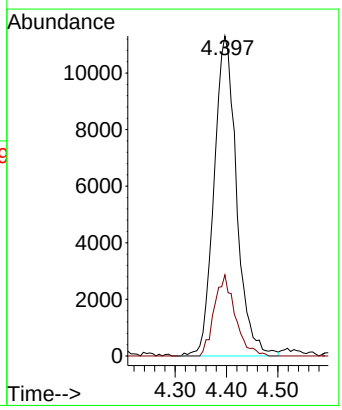


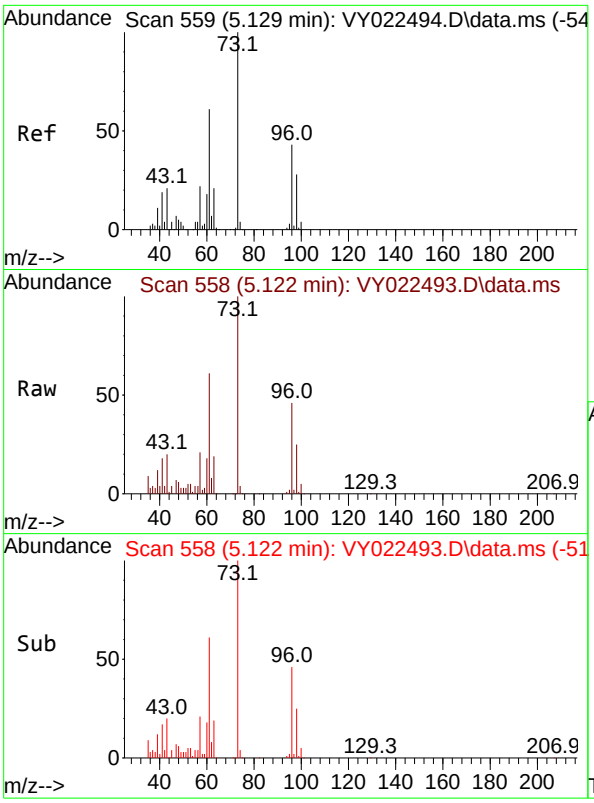


#18
Methyl Acetate
Concen: 24.470 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 34419

Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.8	29.6

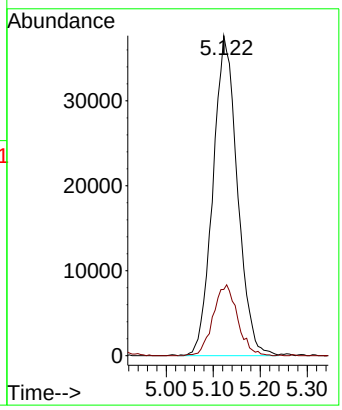




#19
Methyl tert-butyl Ether
Concen: 21.935 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 73 Resp: 13654

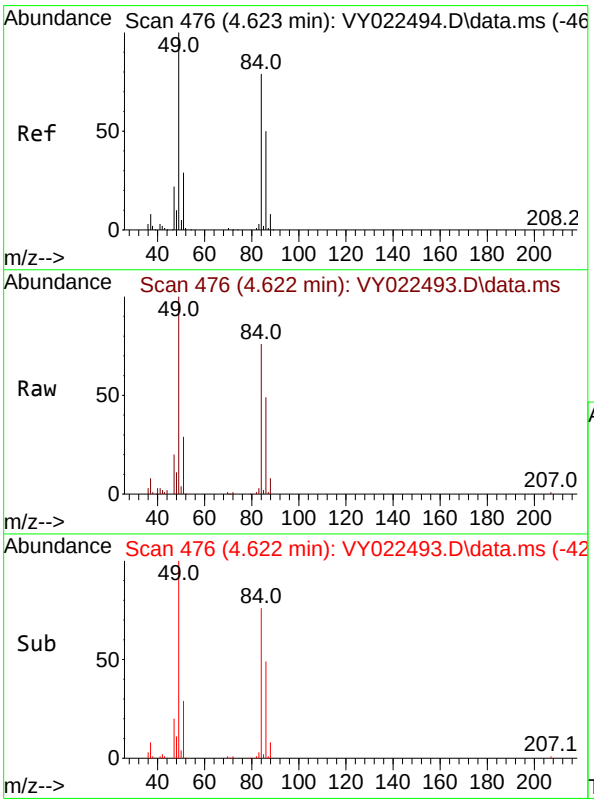
Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

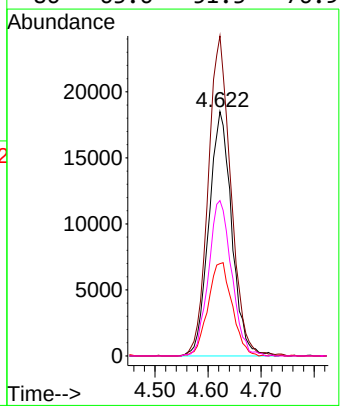
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

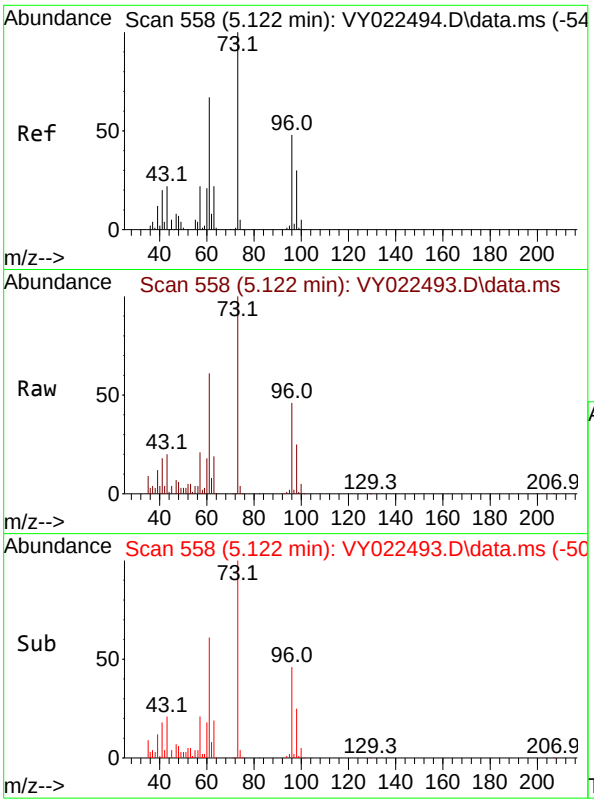


#20
Methylene Chloride
Concen: 21.222 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 84 Resp: 55399

Ion	Ratio	Lower	Upper
84	100		
49	131.0	101.9	152.9
51	37.8	29.8	44.8
86	63.6	51.3	76.9

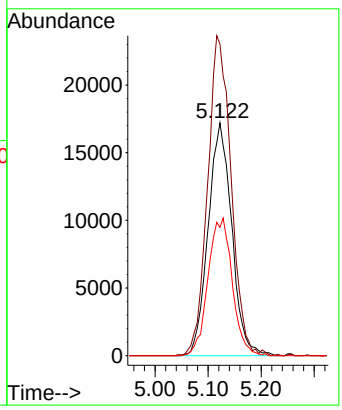




#21
trans-1,2-Dichloroethene
Concen: 21.342 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 96 Resp: 5319

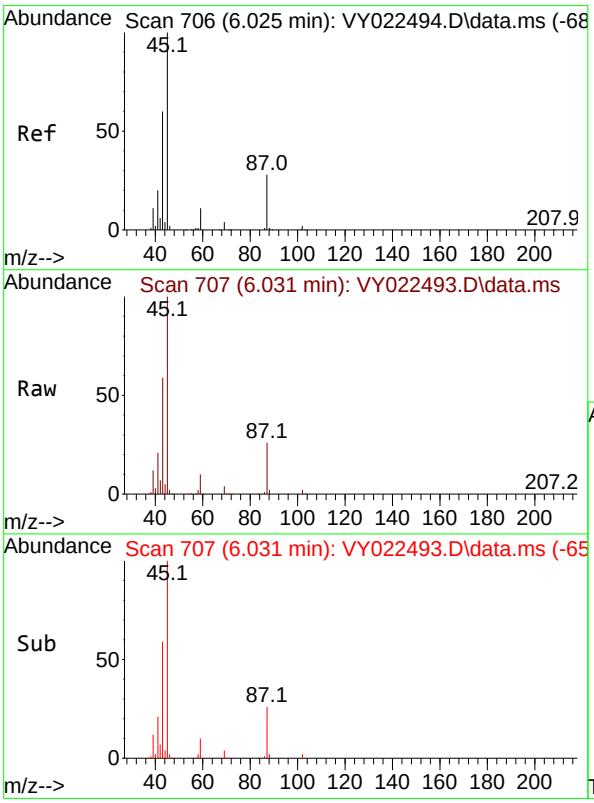
Ion	Ratio	Lower	Upper
96	100		
61	133.3	112.6	169.0
98	55.1	50.6	75.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

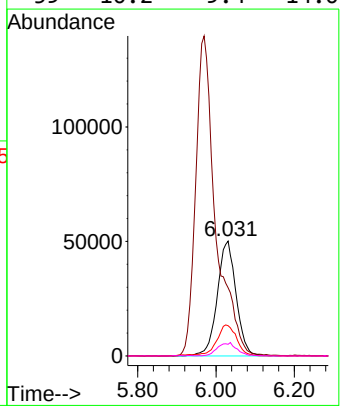
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

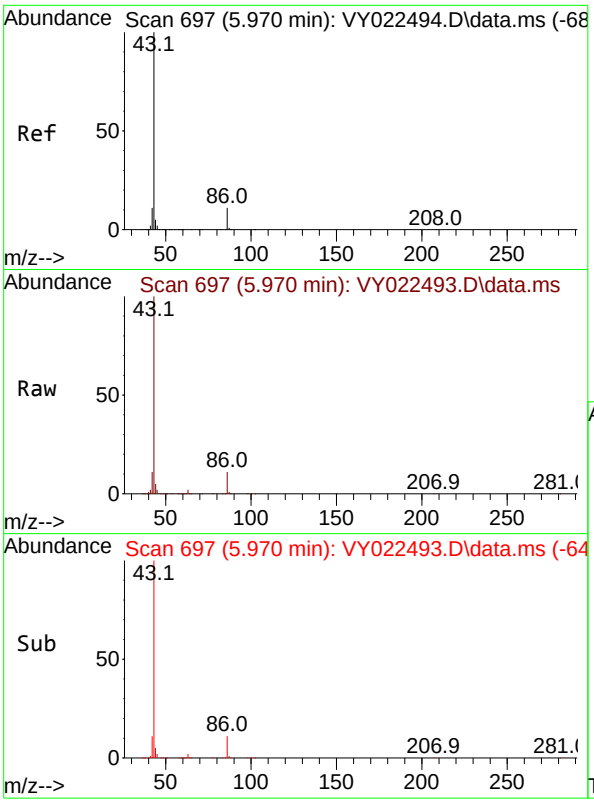


#22
Diisopropyl ether
Concen: 21.739 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 45 Resp: 168064

Ion	Ratio	Lower	Upper
45	100		
43	59.0	48.3	72.5
87	26.3	23.0	34.6
59	10.2	9.4	14.0





#23
Vinyl Acetate
Concen: 108.569 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

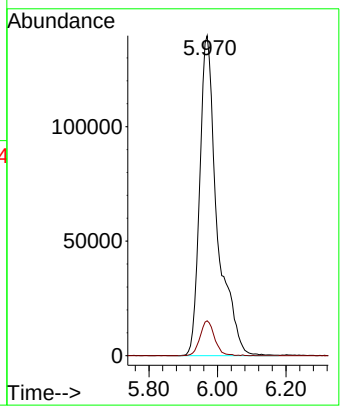
Tgt Ion: 43 Resp: 49793

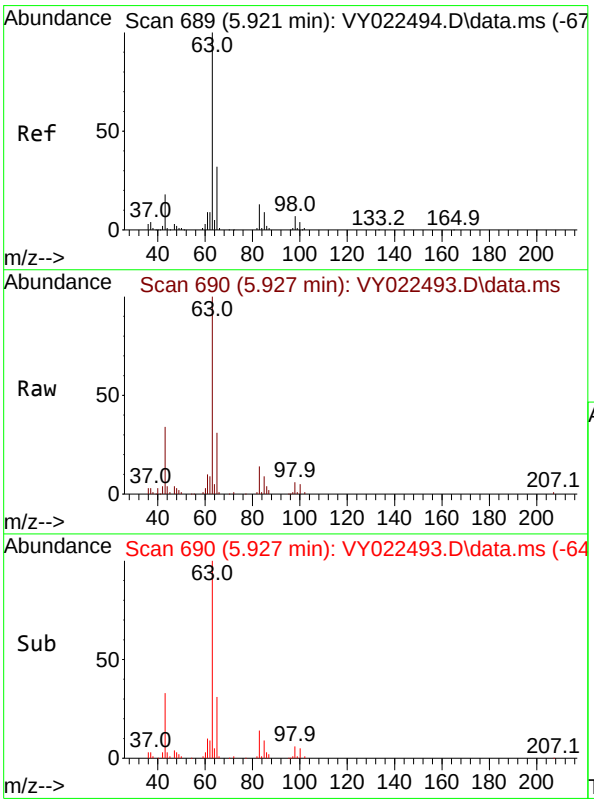
Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.6	12.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

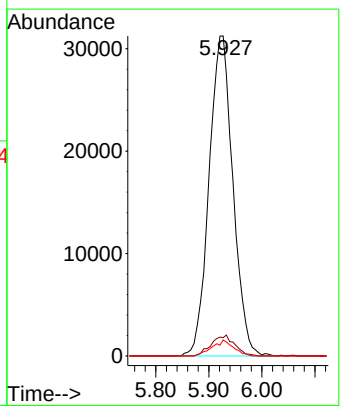


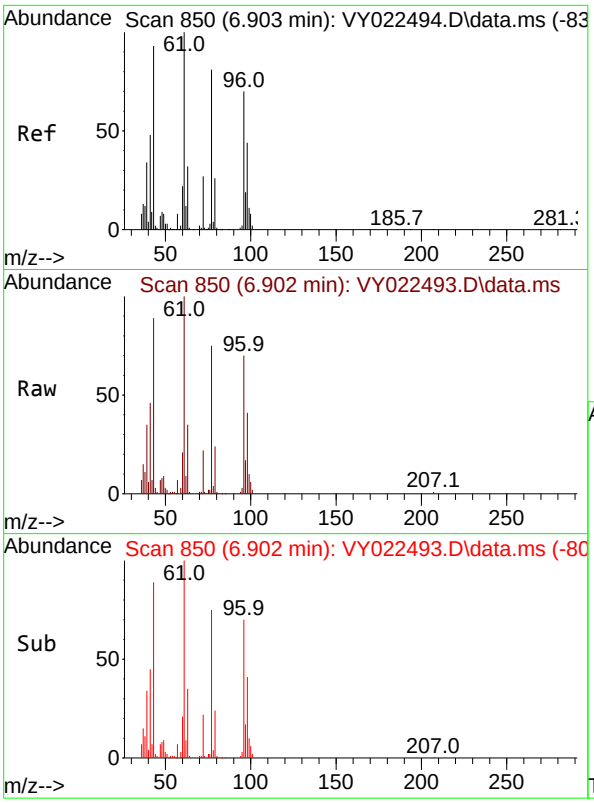


#24
1,1-Dichloroethane
Concen: 21.392 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 63 Resp: 97760

Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.4	10.1
100	5.0	2.1	6.3





#25
2-Butanone
Concen: 112.124 ug/l
RT: 6.902 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

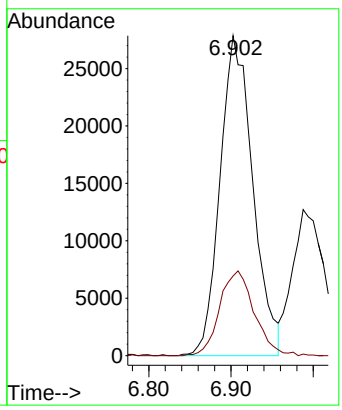
Tgt Ion: 43 Resp: 7732

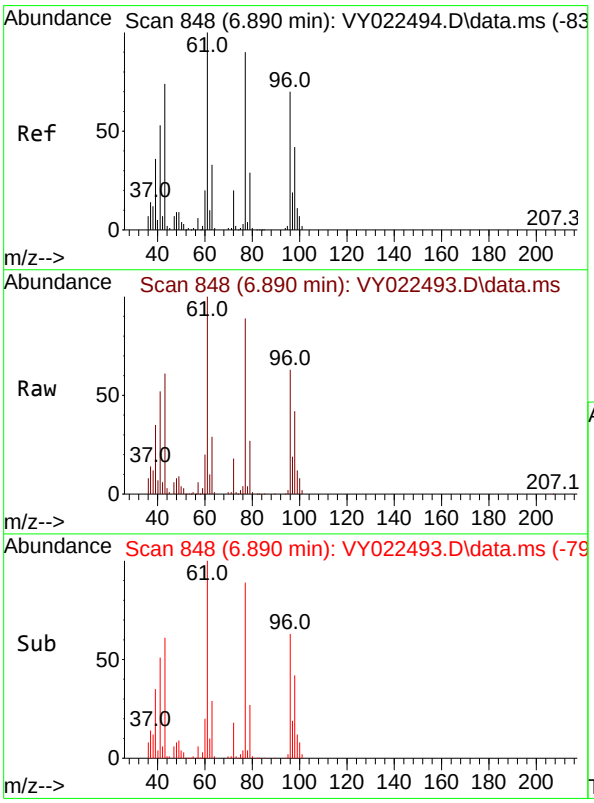
Ion	Ratio	Lower	Upper
43	100		
72	24.9	22.9	34.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

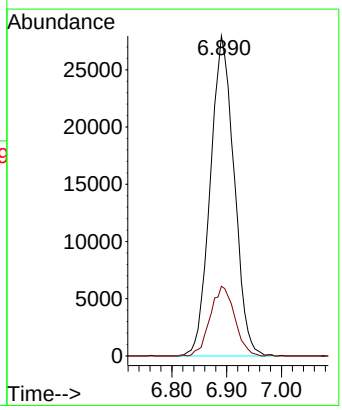


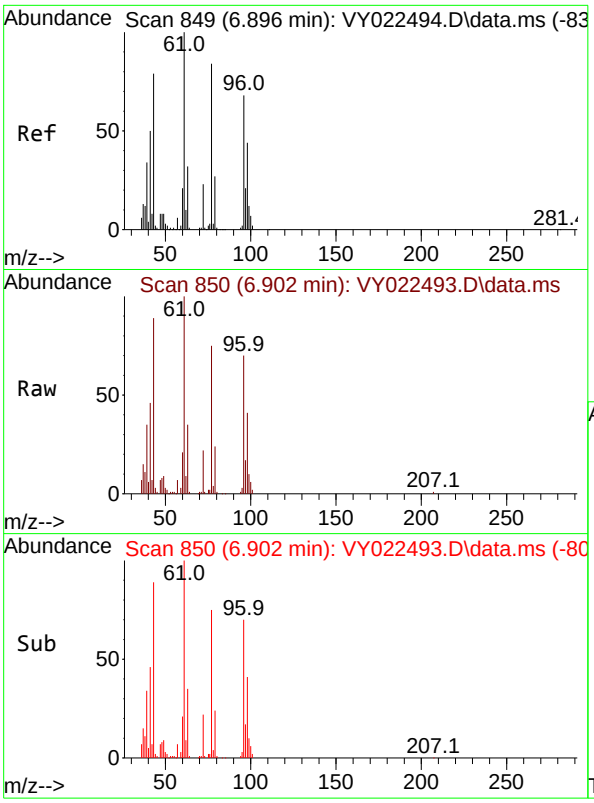


#26
2,2-Dichloropropane
Concen: 20.811 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 77 Resp: 84543

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.4	34.2

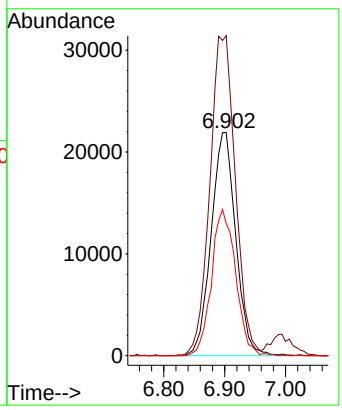




#27
cis-1,2-Dichloroethene
Concen: 21.300 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 96 Resp: 6136

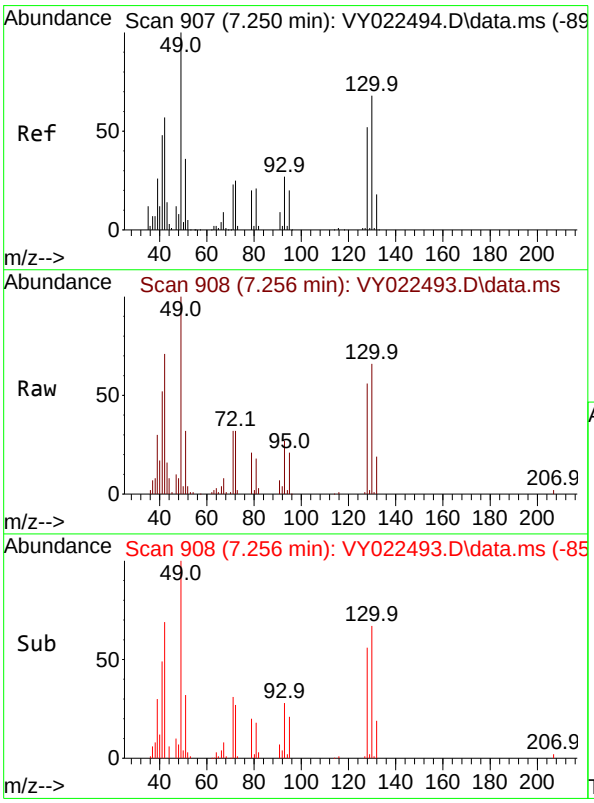
Ion	Ratio	Lower	Upper
96	100		
61	149.0	0.0	290.0
98	64.4	0.0	128.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

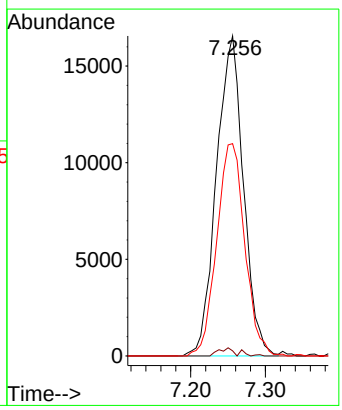
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

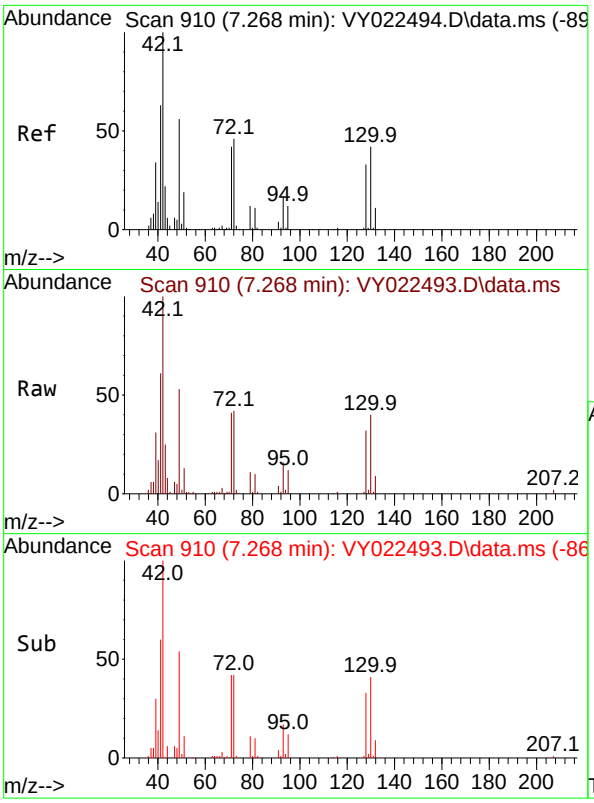


#28
Bromochloromethane
Concen: 21.085 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 49 Resp: 41634

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.6
130	69.0	55.7	83.5

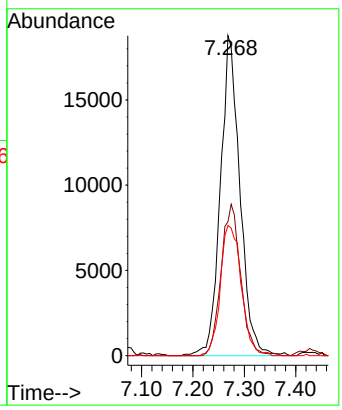




#29
Tetrahydrofuran
Concen: 111.296 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 42 Resp: 4951

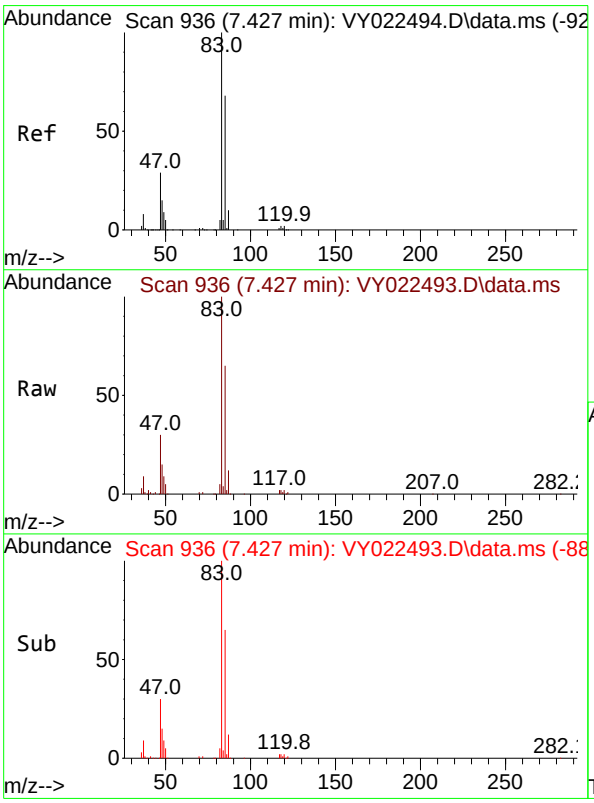
Ion	Ratio	Lower	Upper
42	100		
72	47.6	37.4	56.2
71	43.6	34.2	51.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

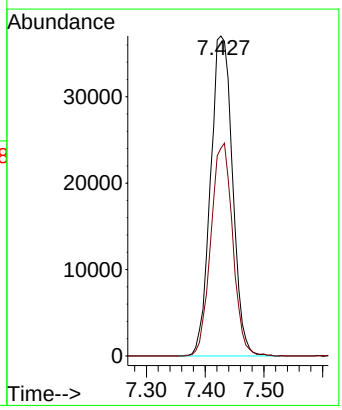
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

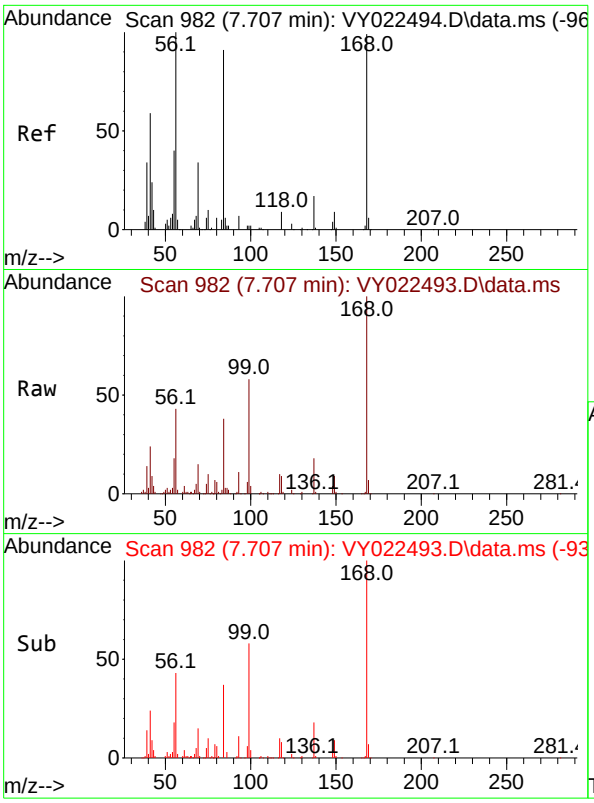


#30
Chloroform
Concen: 21.350 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 83 Resp: 96414

Ion	Ratio	Lower	Upper
83	100		
85	64.9	54.2	81.4





#31
Cyclohexane
Concen: 20.762 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

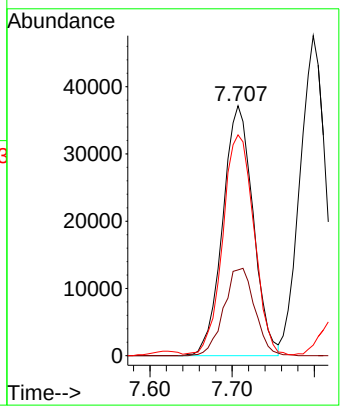
Tgt Ion: 56 Resp: 9548

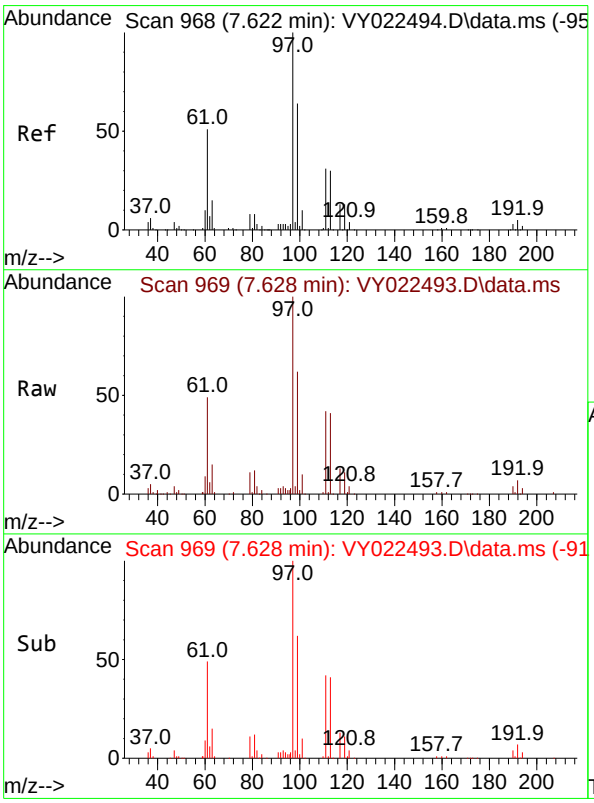
Ion	Ratio	Lower	Upper
56	100		
69	34.3	27.0	40.6
84	87.0	72.6	109.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

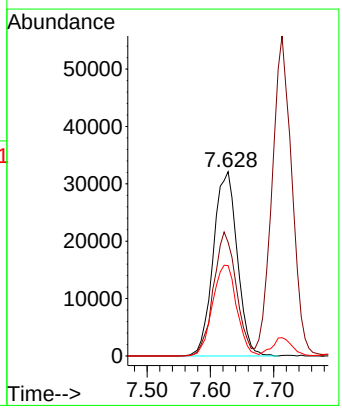


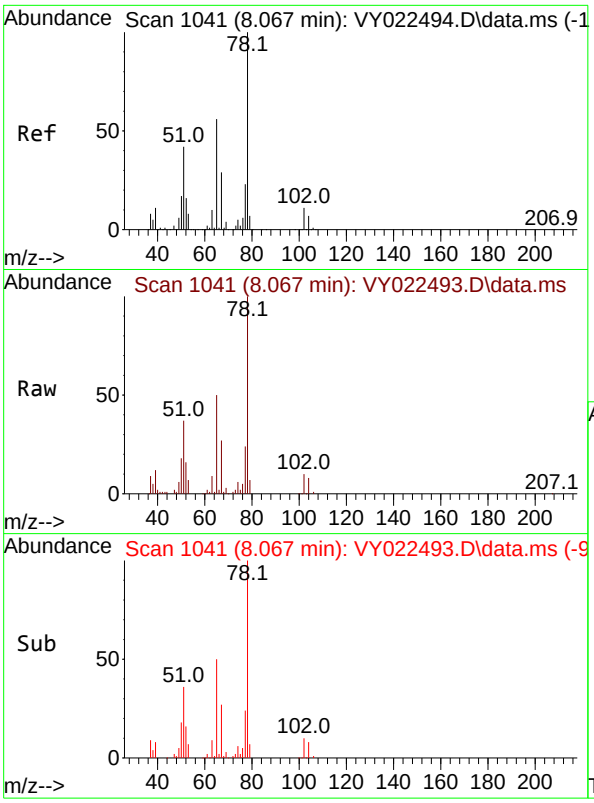


#32
1,1,1-Trichloroethane
Concen: 20.905 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 97 Resp: 84365

Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.9	76.3
61	49.7	38.5	57.7

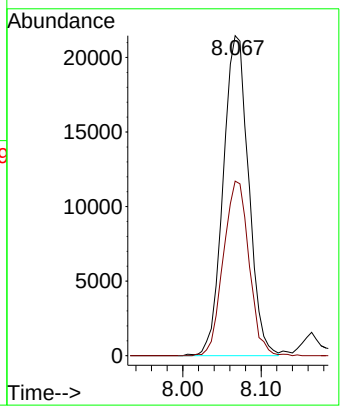




#33
1,2-Dichloroethane-d4
Concen: 20.457 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 65 Resp: 4838

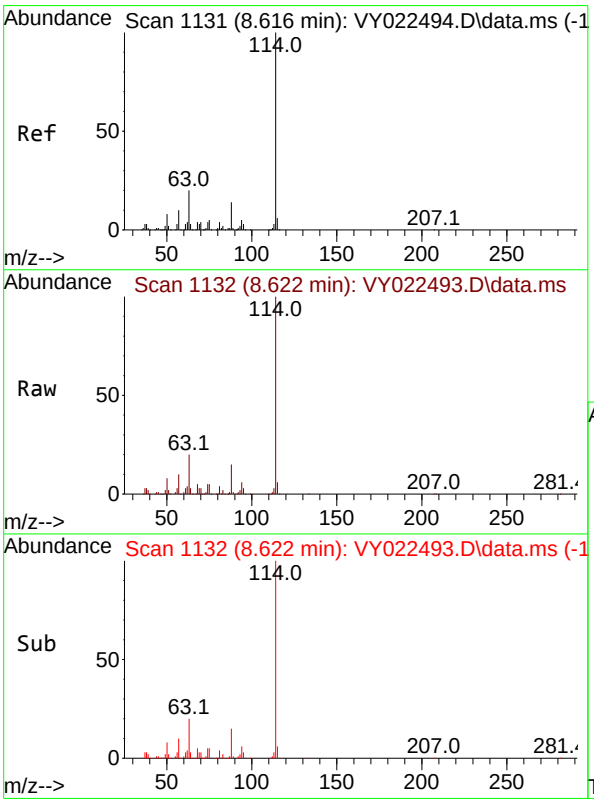
Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

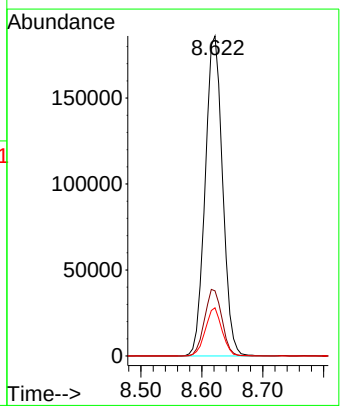
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

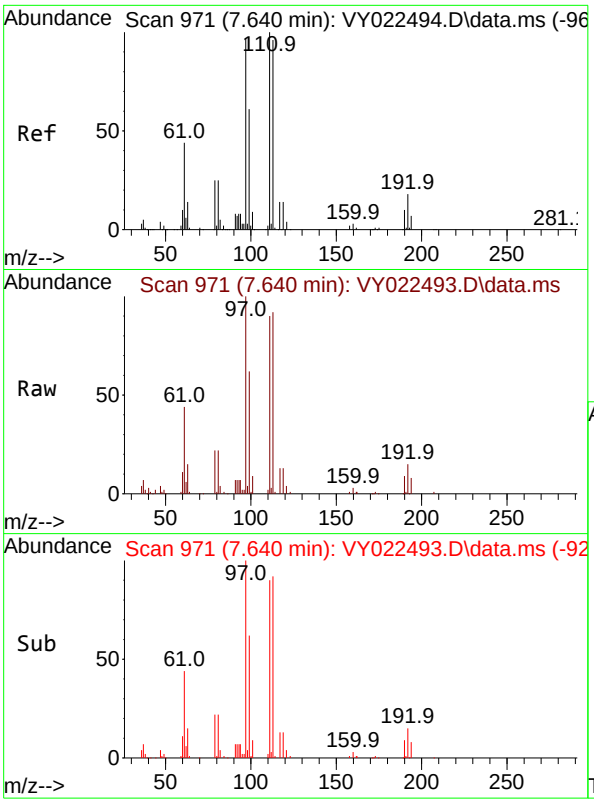


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:114 Resp: 369398

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	15.0	0.0	27.8





#35
Dibromofluoromethane
Concen: 20.456 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

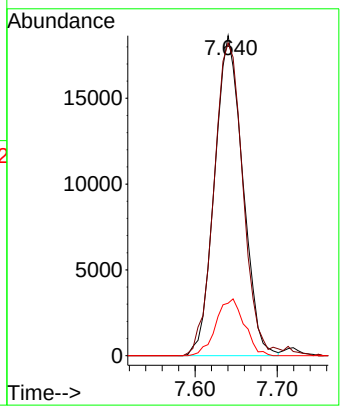
Tgt Ion:113 Resp: 4448

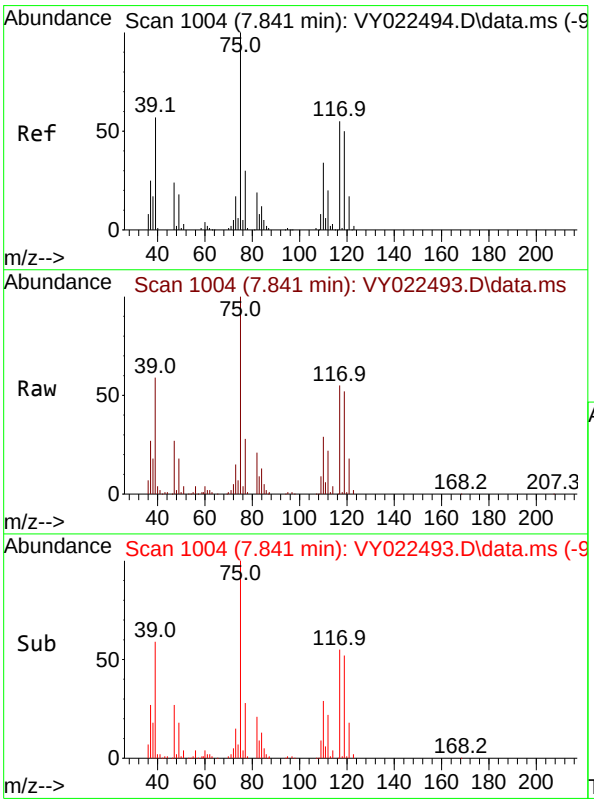
Ion	Ratio	Lower	Upper
113	100		
111	100.5	81.1	121.7
192	17.8	14.2	21.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

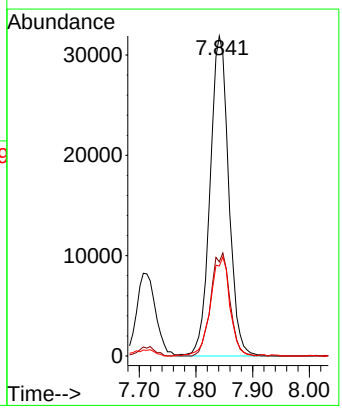


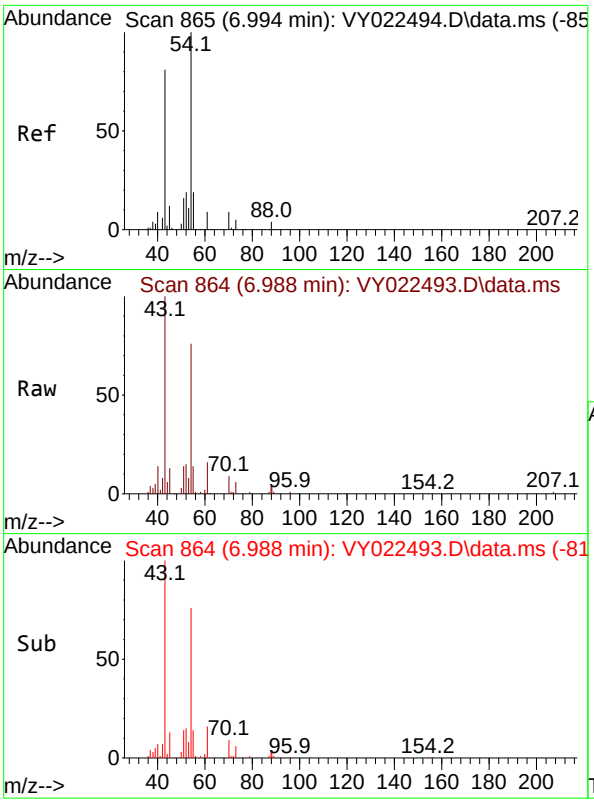


#36
1,1-Dichloropropene
Concen: 20.670 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 75 Resp: 72658

Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.9	50.7
77	32.2	24.8	37.2





#37
Ethyl Acetate
Concen: 22.110 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

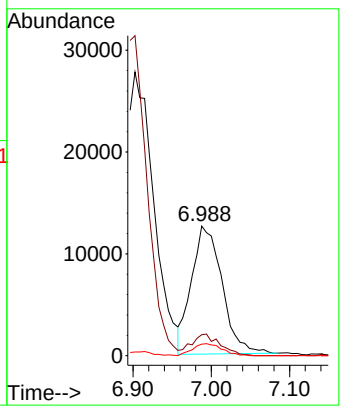
Tgt Ion: 43 Resp: 3420

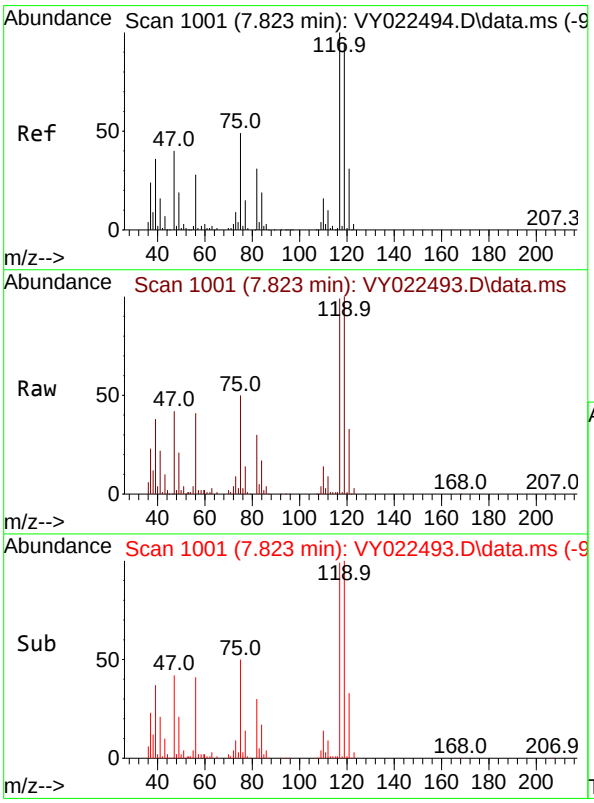
Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.5	17.3
70	8.9	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

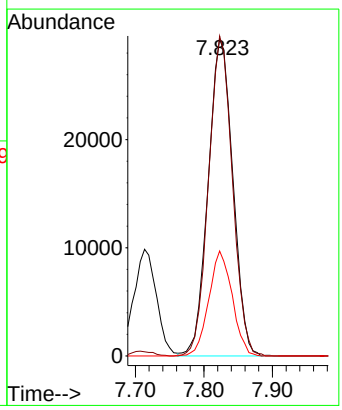


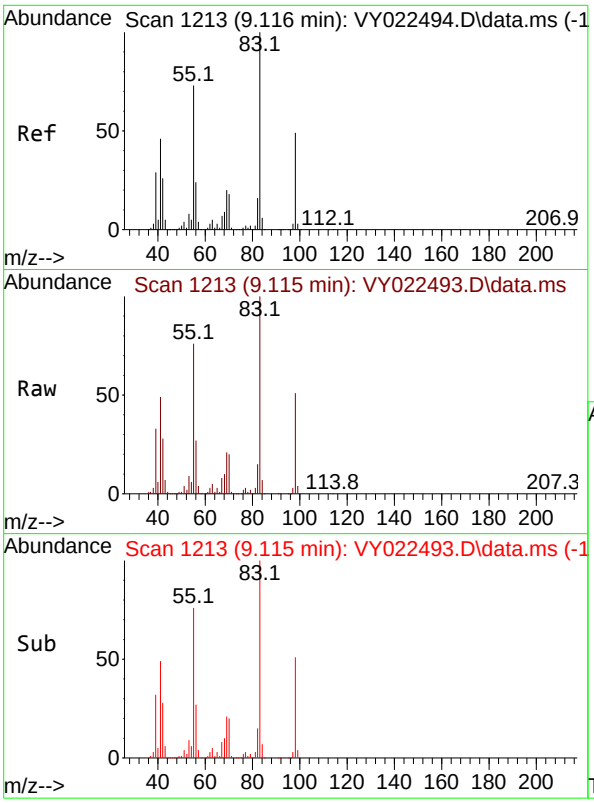


#38
Carbon Tetrachloride
Concen: 20.247 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:117 Resp: 73370

Ion	Ratio	Lower	Upper
117	100		
119	101.1	75.0	112.6
121	33.2	25.0	37.4





#39
Methylcyclohexane
Concen: 20.065 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

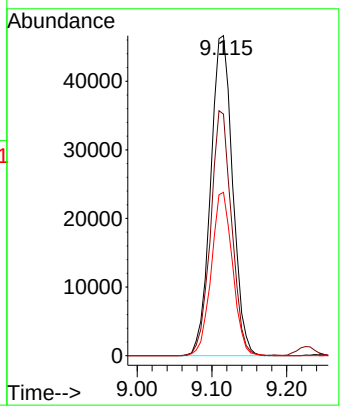
Tgt Ion: 83 Resp: 9528

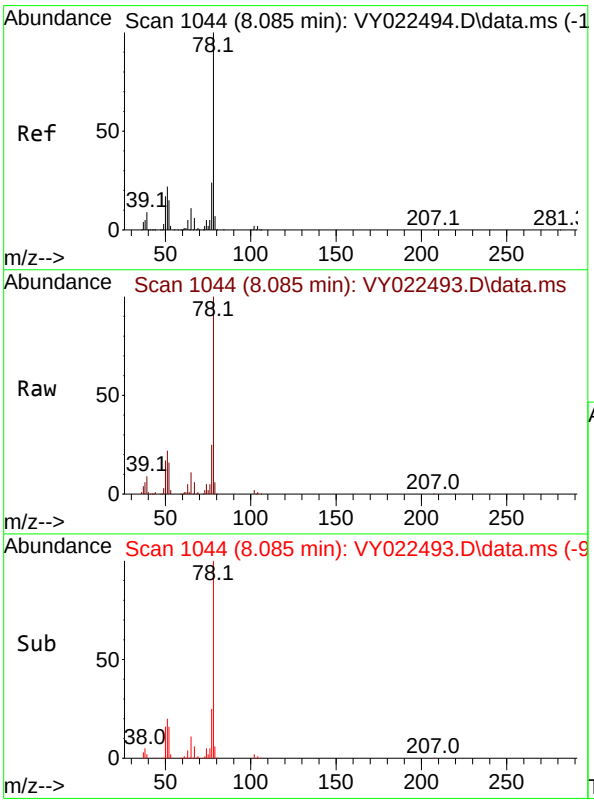
Ion	Ratio	Lower	Upper
83	100		
55	75.5	58.1	87.1
98	51.1	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

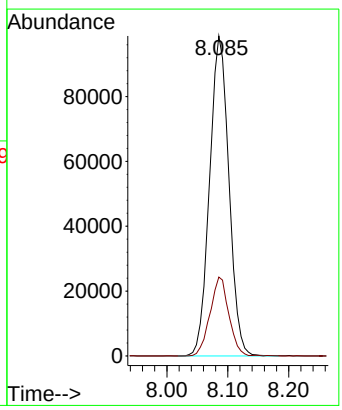


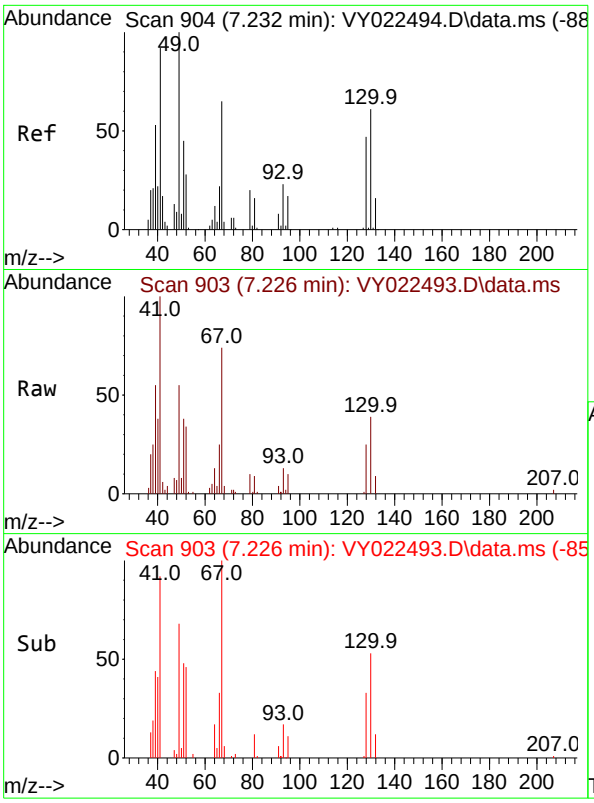


#40
Benzene
Concen: 21.000 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 78 Resp: 217595

Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.3	28.9

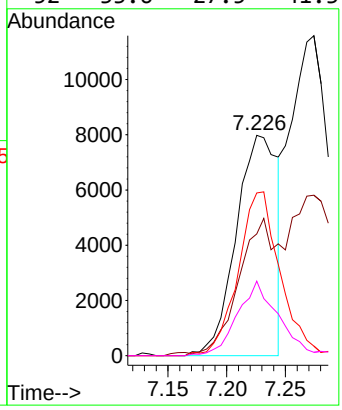




#41
Methacrylonitrile
Concen: 19.542 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 41 Resp: 1947

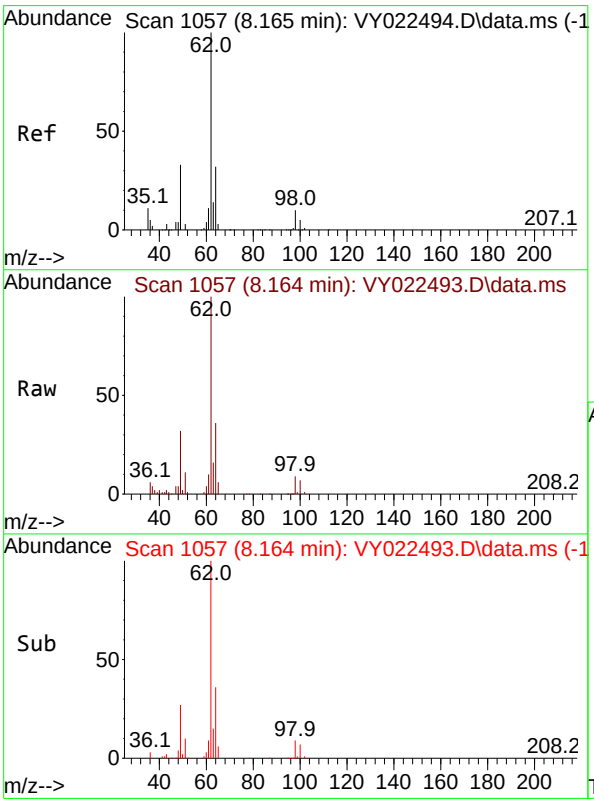
Ion	Ratio	Lower	Upper
41	100		
39	64.4	46.6	69.8
67	76.2	63.3	94.9
52	33.6	27.5	41.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

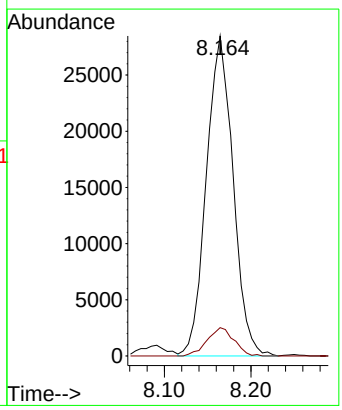
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

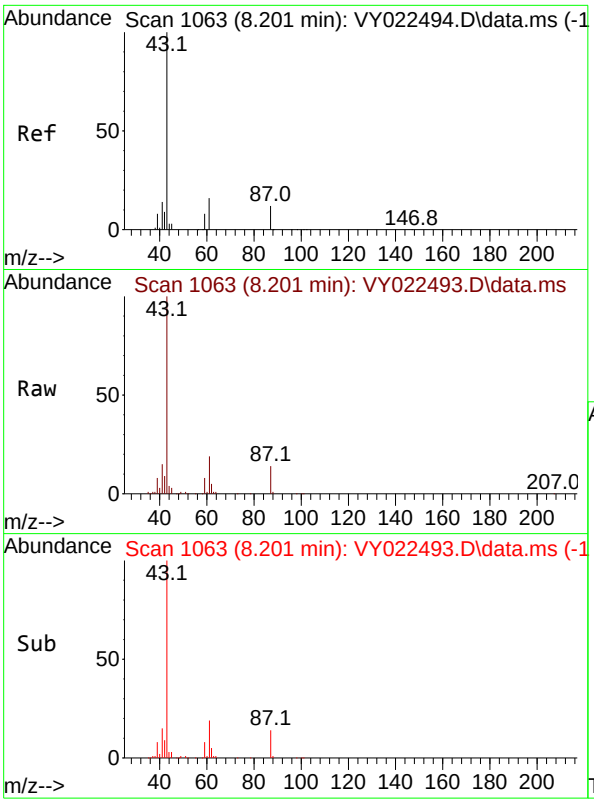


#42
1,2-Dichloroethane
Concen: 21.676 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 62 Resp: 61097

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	19.2





#43
Isopropyl Acetate
Concen: 21.814 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

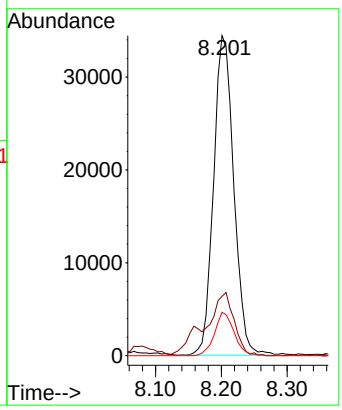
Tgt Ion: 43 Resp: 7374

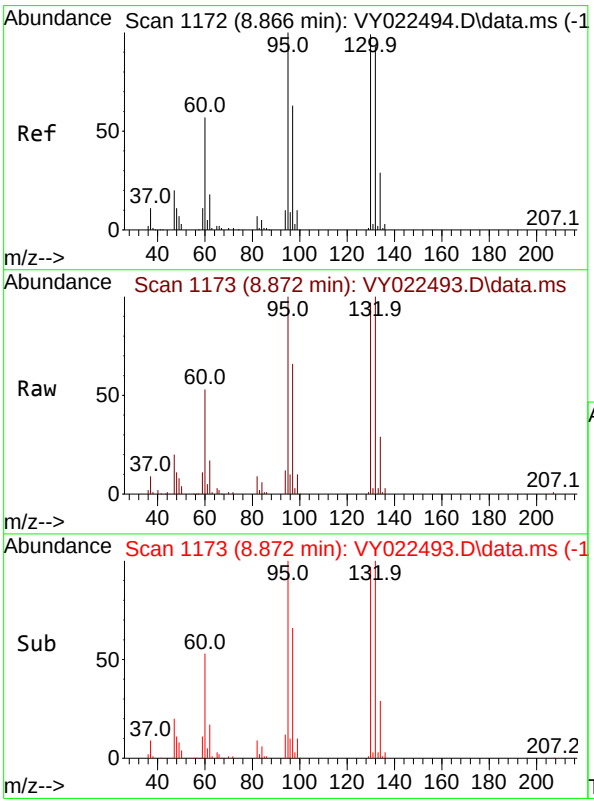
Ion	Ratio	Lower	Upper
43	100		
61	21.6	15.6	23.4
87	13.1	10.2	15.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

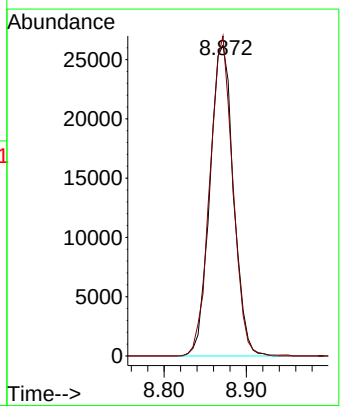


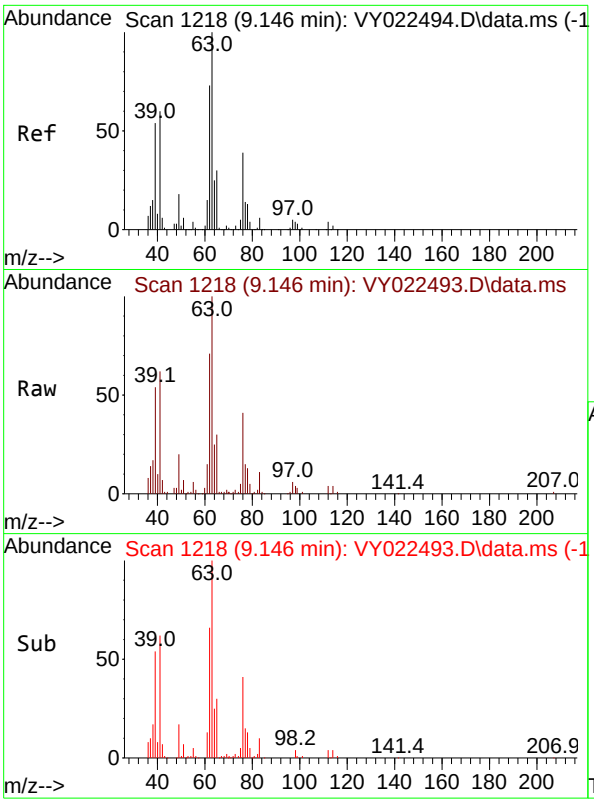


#44
Trichloroethene
Concen: 20.613 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:130 Resp: 52175

Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	203.0

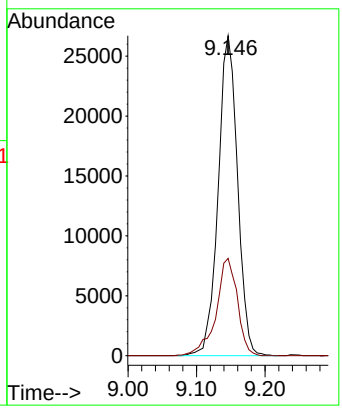




#45
1,2-Dichloropropane
Concen: 21.204 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 63 Resp: 5237

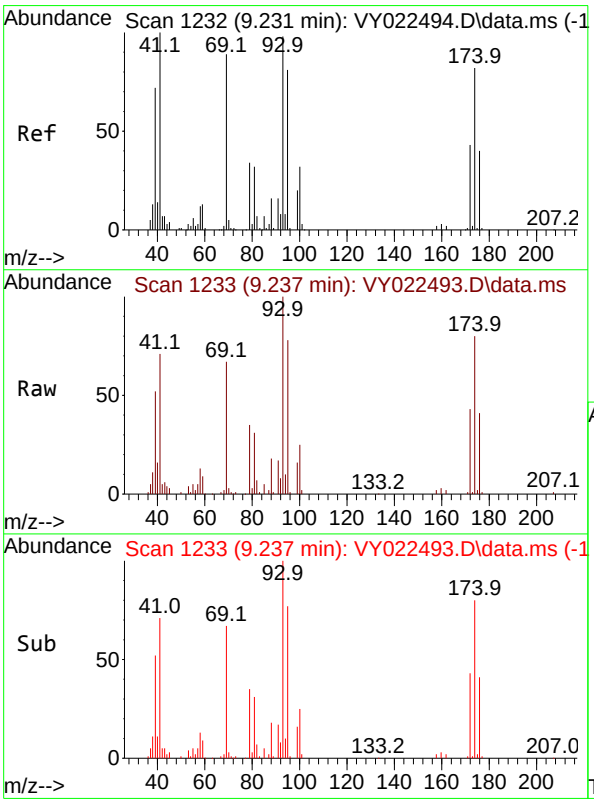
Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.0	36.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

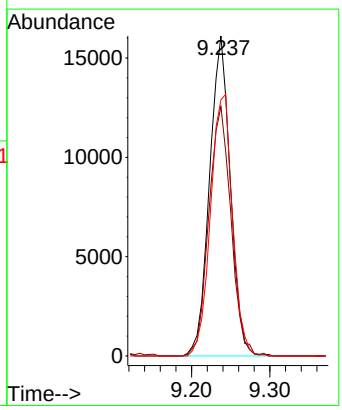
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

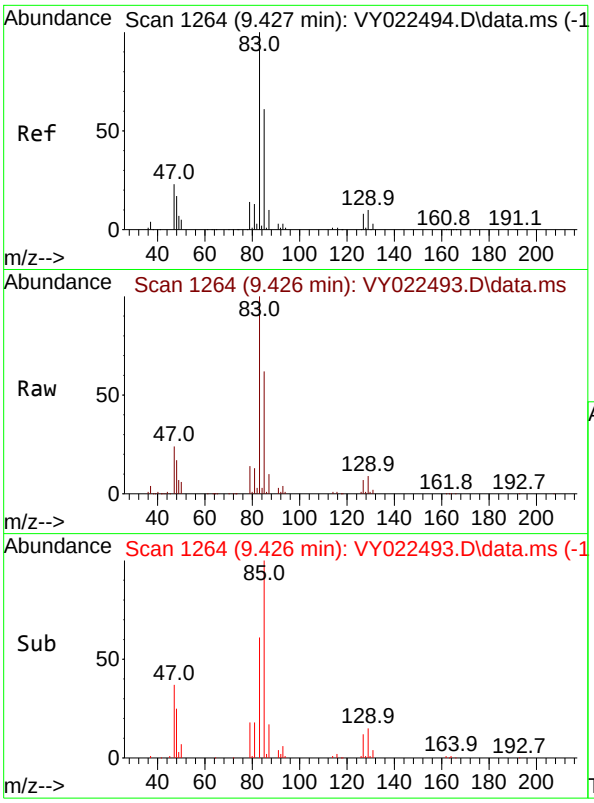


#46
Dibromomethane
Concen: 21.491 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 93 Resp: 29741

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.6	98.4
174	86.2	70.4	105.6

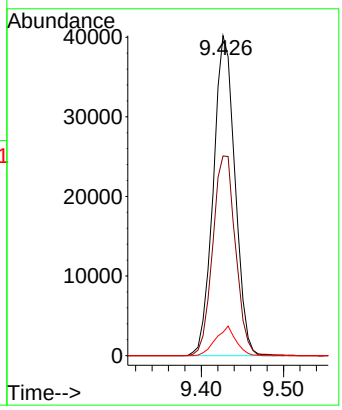




#47
Bromodichloromethane
Concen: 20.995 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 83 Resp: 7371

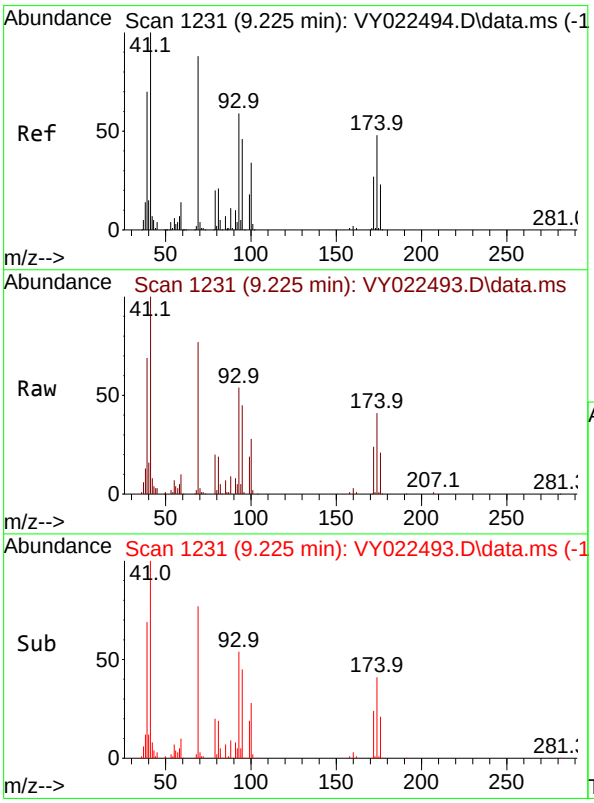
Ion	Ratio	Lower	Upper
83	100		
85	62.4	49.1	73.7
127	7.3	6.2	9.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

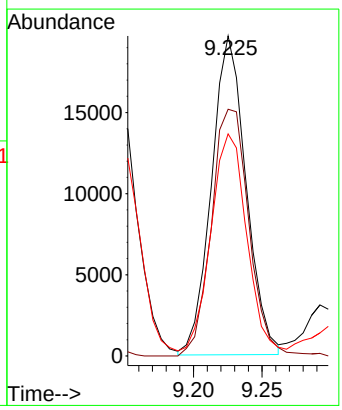
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

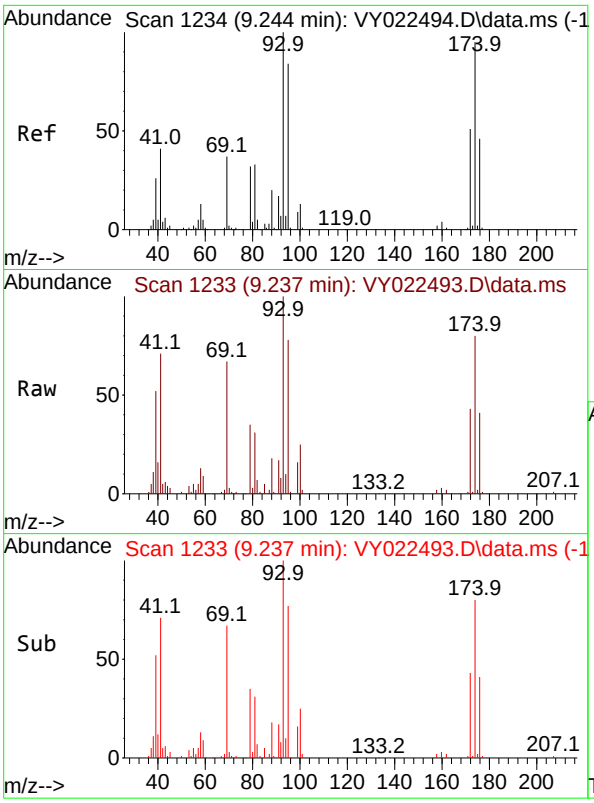


#48
Methyl methacrylate
Concen: 22.294 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 41 Resp: 34508

Ion	Ratio	Lower	Upper
41	100		
69	84.1	67.8	101.8
39	69.9	55.0	82.4





#49
1,4-Dioxane
Concen: 450.895 ug/l
RT: 9.237 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

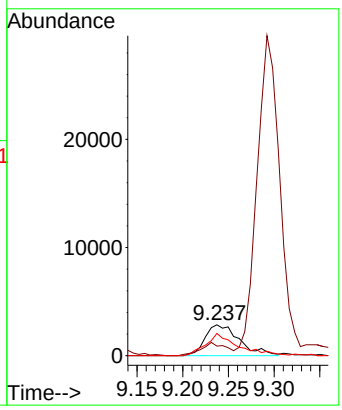
Tgt Ion: 88 Resp: 744

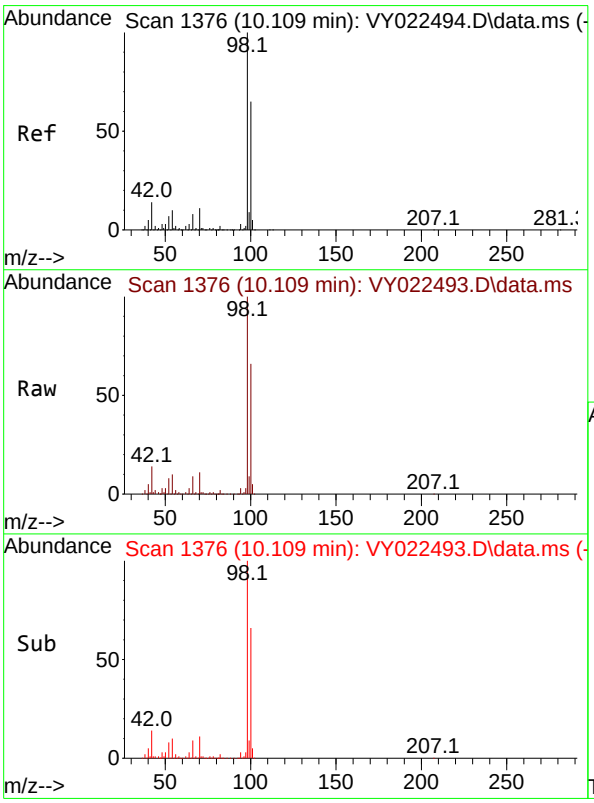
Ion	Ratio	Lower	Upper
88	100		
43	31.1	25.4	38.2
58	67.3	54.9	82.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

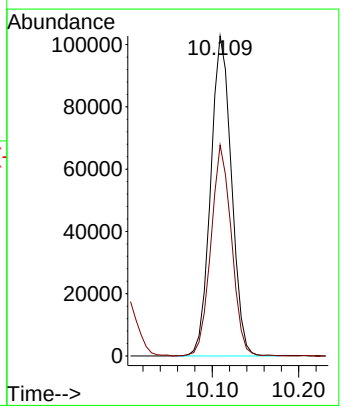


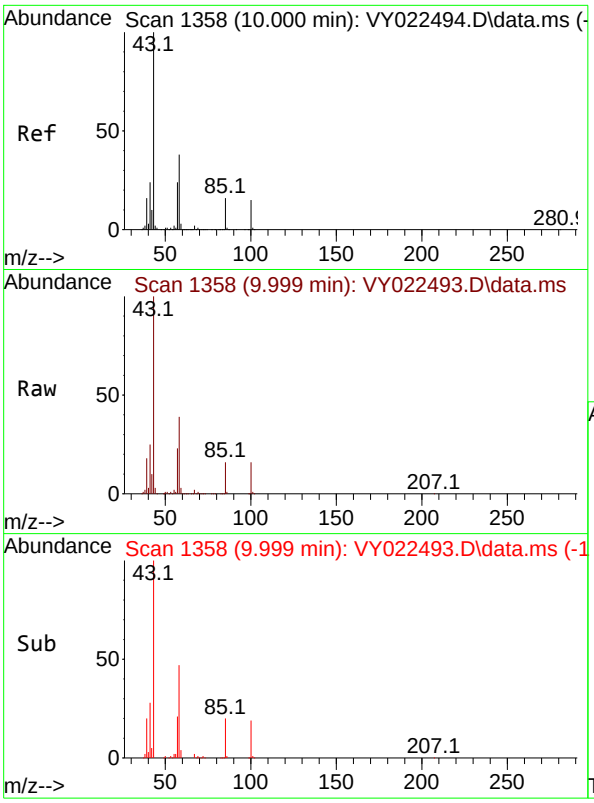


#50
Toluene-d8
Concen: 19.474 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 98 Resp: 171165

Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.4	77.0





#51
4-Methyl-2-Pentanone
Concen: 108.147 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

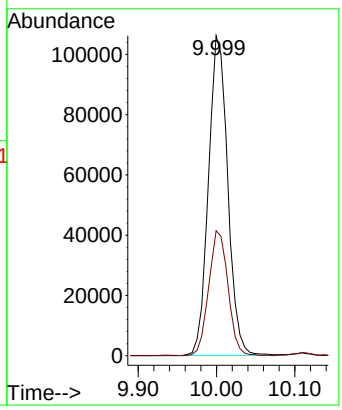
Tgt Ion: 43 Resp: 18146

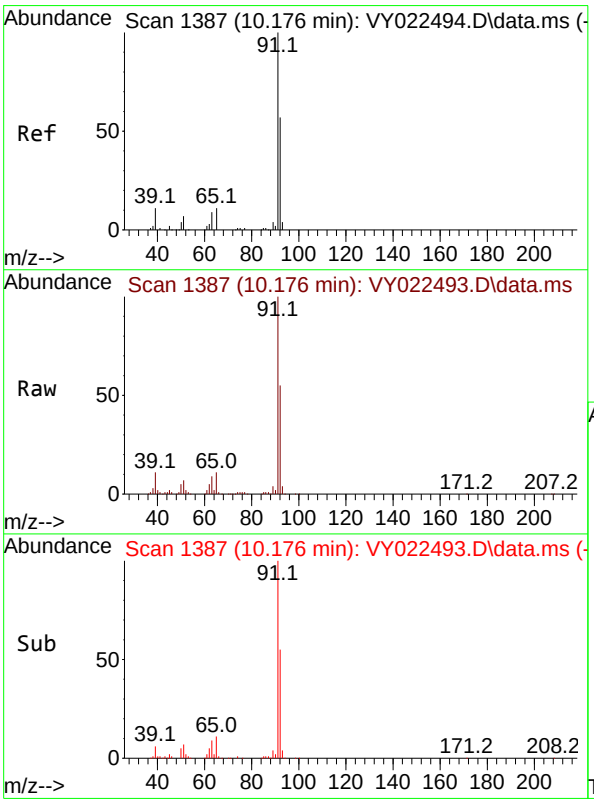
Ion	Ratio	Lower	Upper
43	100		
58	39.2	30.4	45.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

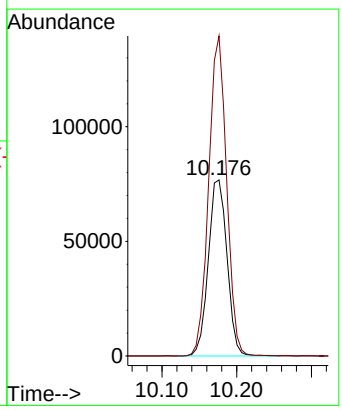


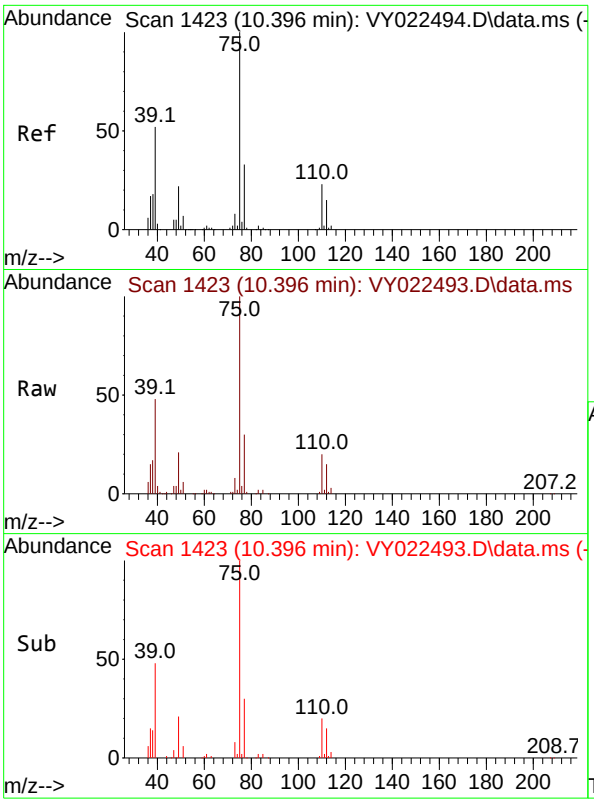


#52
Toluene
Concen: 20.508 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 92 Resp: 133601

Ion	Ratio	Lower	Upper
92	100		
91	174.3	139.0	208.4

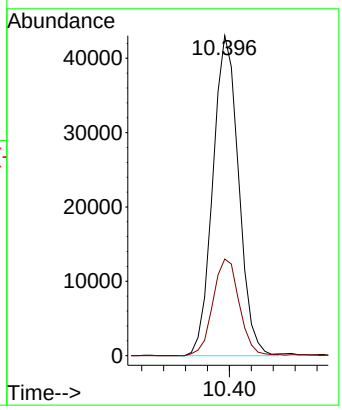




#53
t-1,3-Dichloropropene
Concen: 21.660 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 75 Resp: 7035

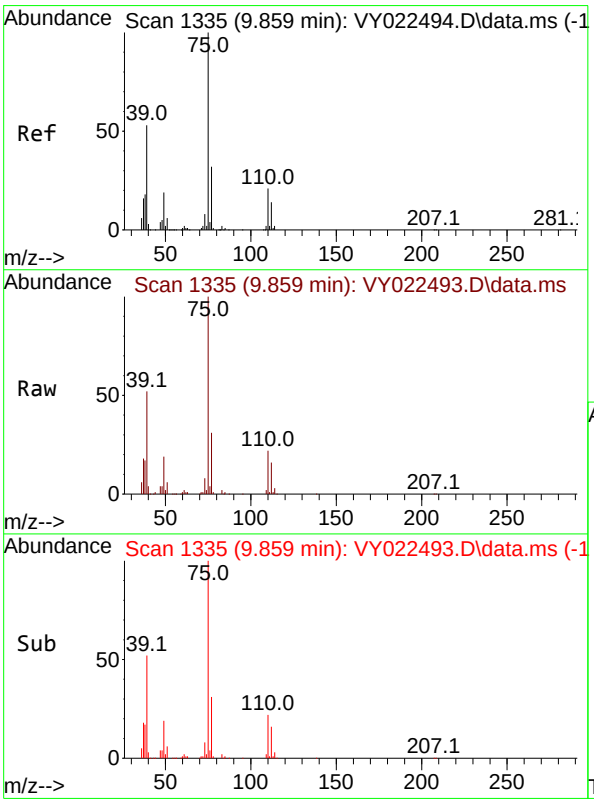
Ion	Ratio	Lower	Upper
75	100		
77	30.2	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

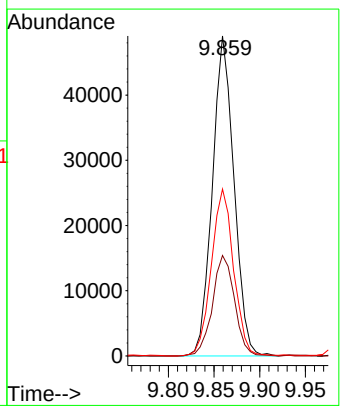
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

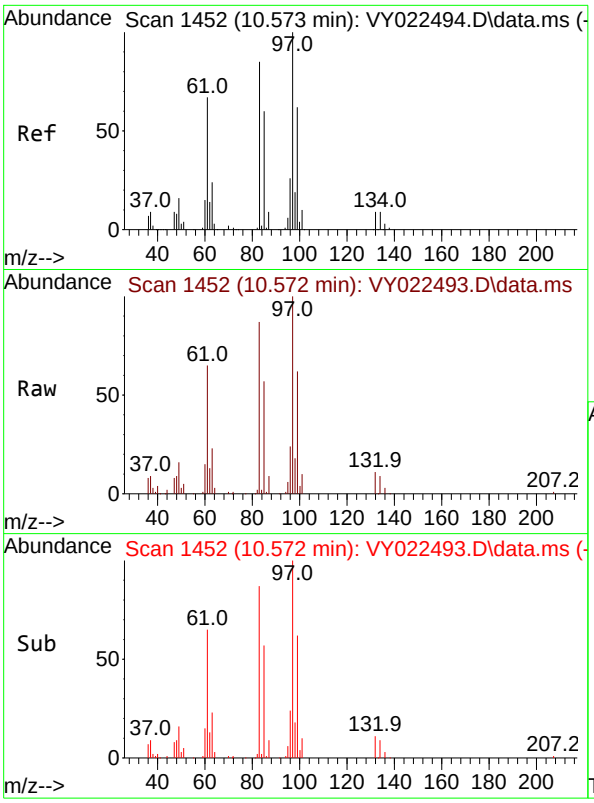


#54
cis-1,3-Dichloropropene
Concen: 21.141 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 75 Resp: 80524

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.3	37.9
39	52.1	42.7	64.1

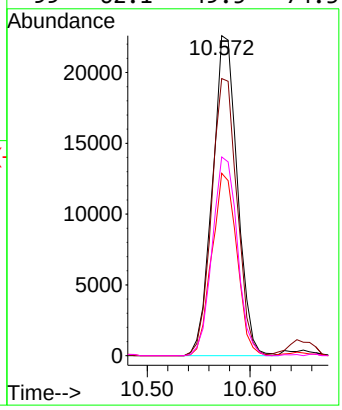




#55
1,1,2-Trichloroethane
Concen: 21.849 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 97 Resp: 3807

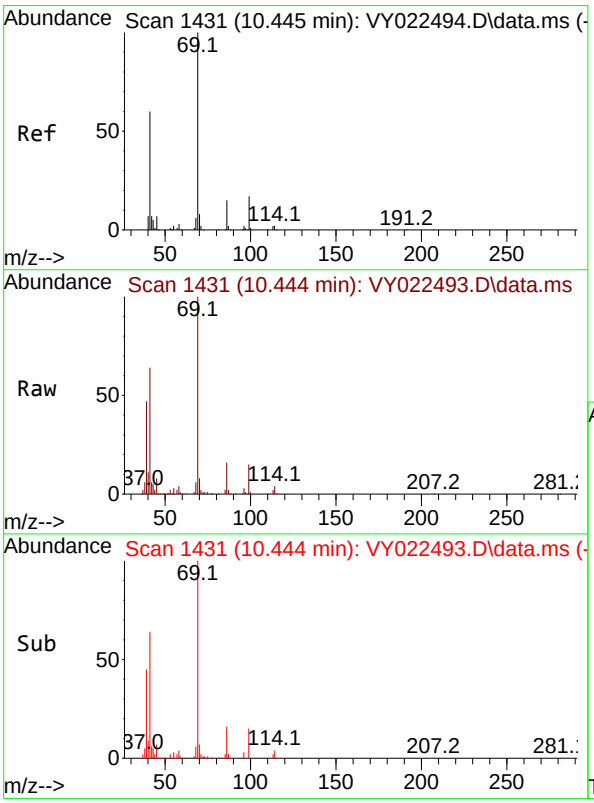
Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.1	102.1
85	57.0	48.2	72.2
99	62.1	49.5	74.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

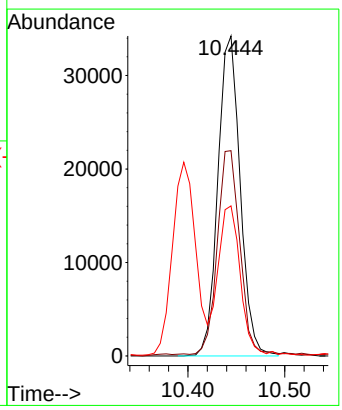
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

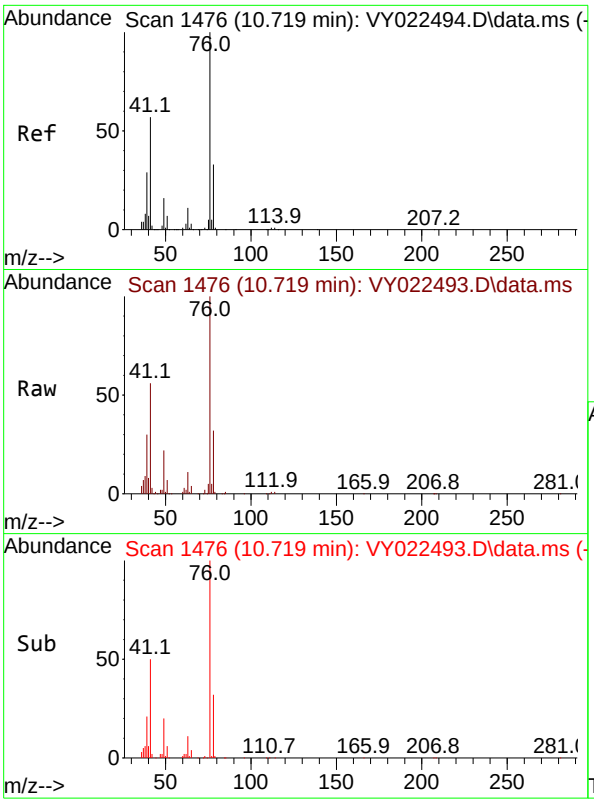


#56
Ethyl methacrylate
Concen: 21.626 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 69 Resp: 54734

Ion	Ratio	Lower	Upper
69	100		
41	64.8	52.2	78.2
39	46.8	36.7	55.1

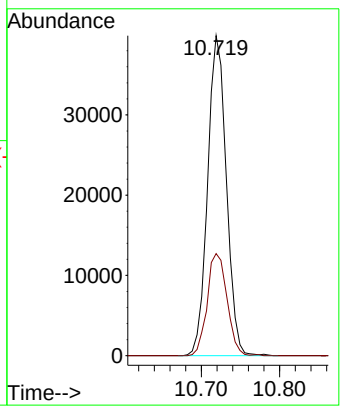




#57
1,3-Dichloropropane
Concen: 21.317 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 76 Resp: 6616

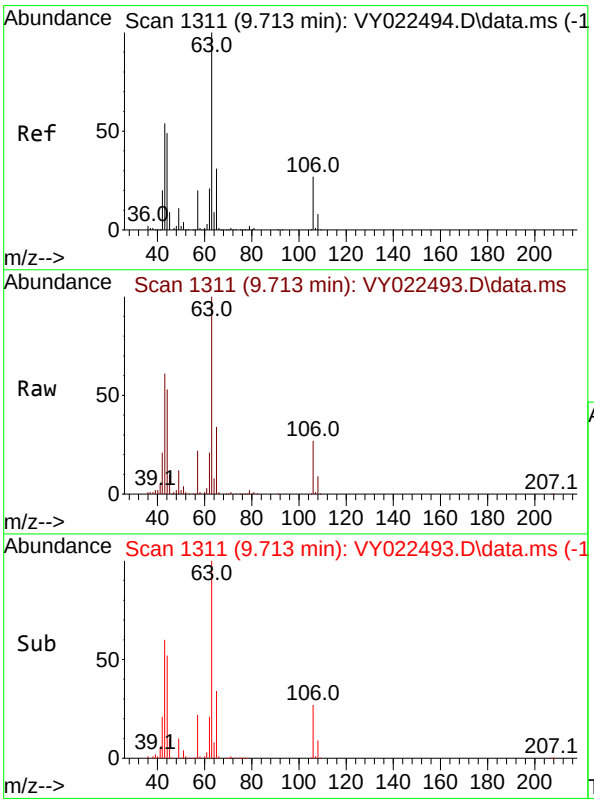
Ion	Ratio	Lower	Upper
76	100		
78	33.8	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

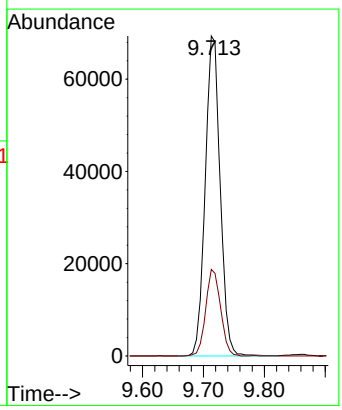
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

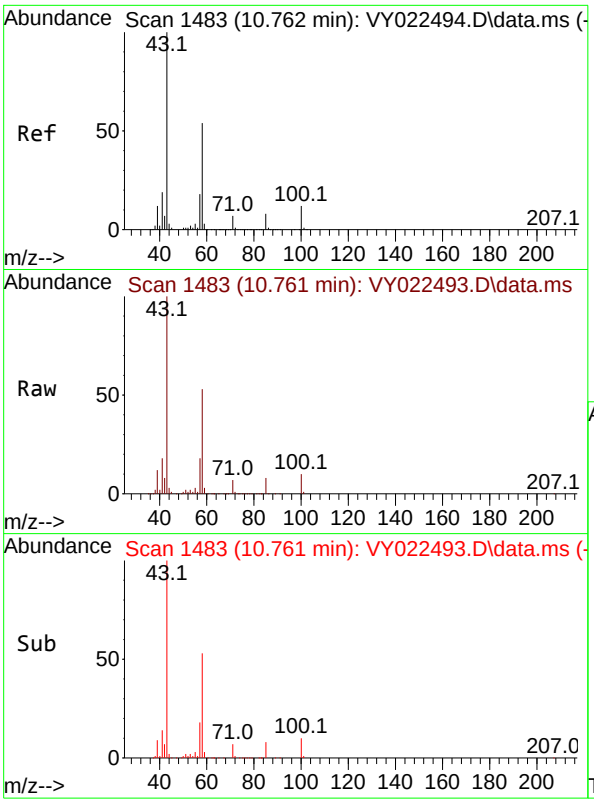


#58
2-Chloroethyl Vinyl ether
Concen: 104.797 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 63 Resp: 118244

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.6	32.4





#59
2-Hexanone
Concen: 109.805 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

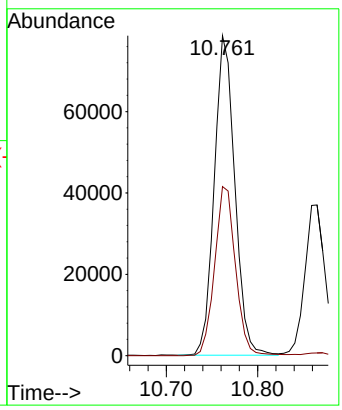
Tgt Ion: 43 Resp: 12281

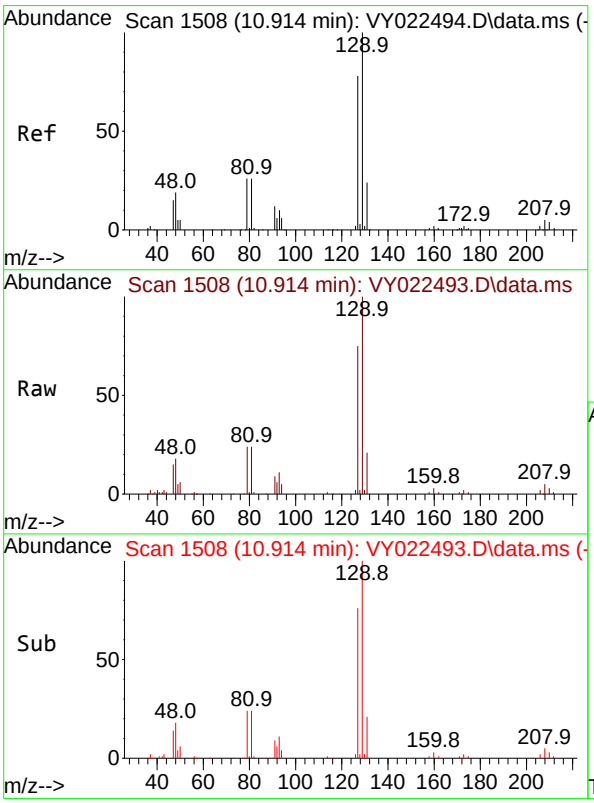
Ion	Ratio	Lower	Upper
43	100		
58	53.8	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

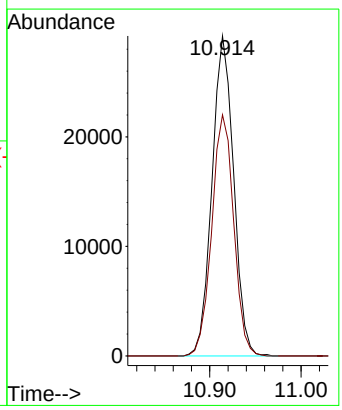


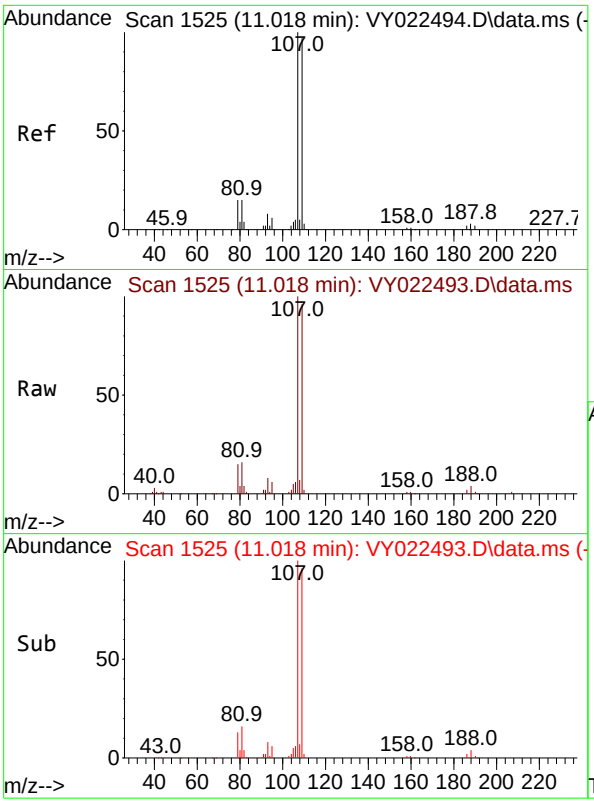


#60
Dibromochloromethane
Concen: 21.715 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:129 Resp: 47952

Ion	Ratio	Lower	Upper
129	100		
127	76.5	39.1	117.2

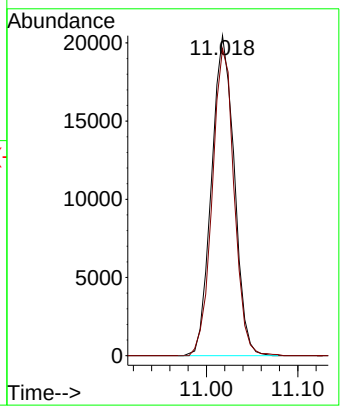




#61
1,2-Dibromoethane
Concen: 21.965 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:107 Resp: 3532

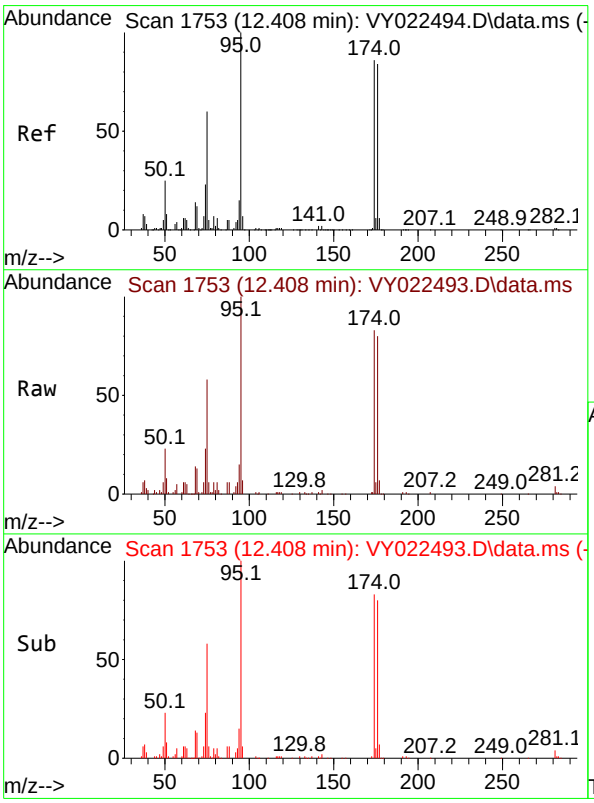
Ion	Ratio	Lower	Upper
107	100		
109	92.4	77.7	116.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

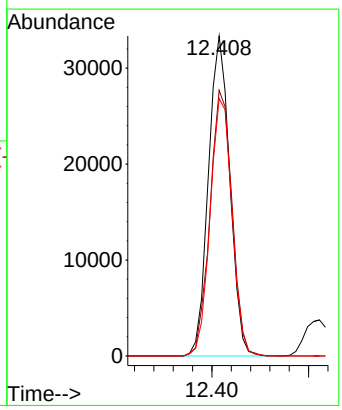
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

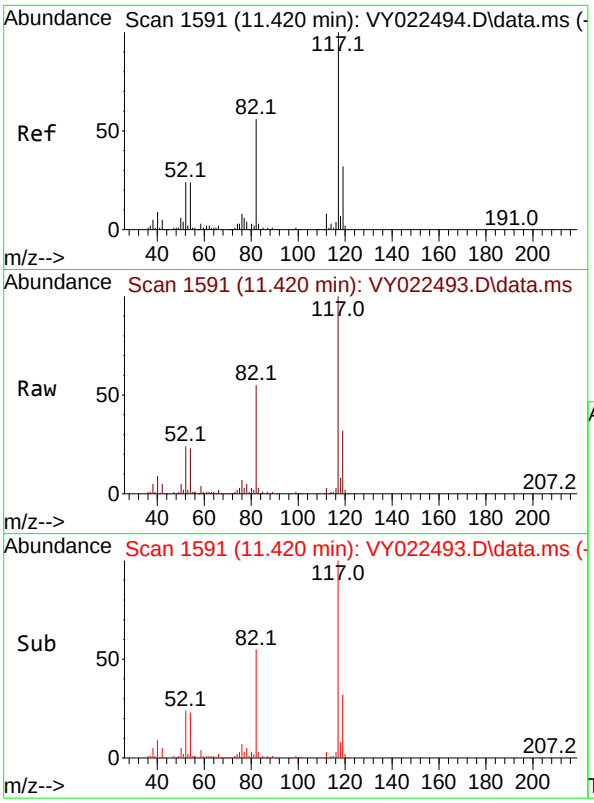


#62
4-Bromofluorobenzene
Concen: 19.225 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 95 Resp: 51231

Ion	Ratio	Lower	Upper
95	100		
174	85.7	0.0	170.0
176	82.3	0.0	166.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

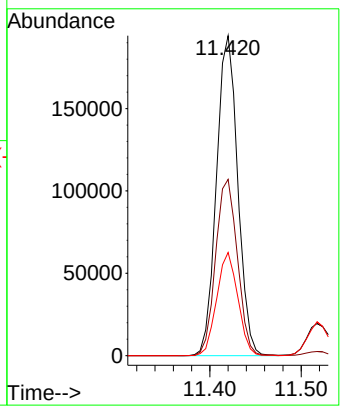
Tgt Ion:117 Resp: 31427

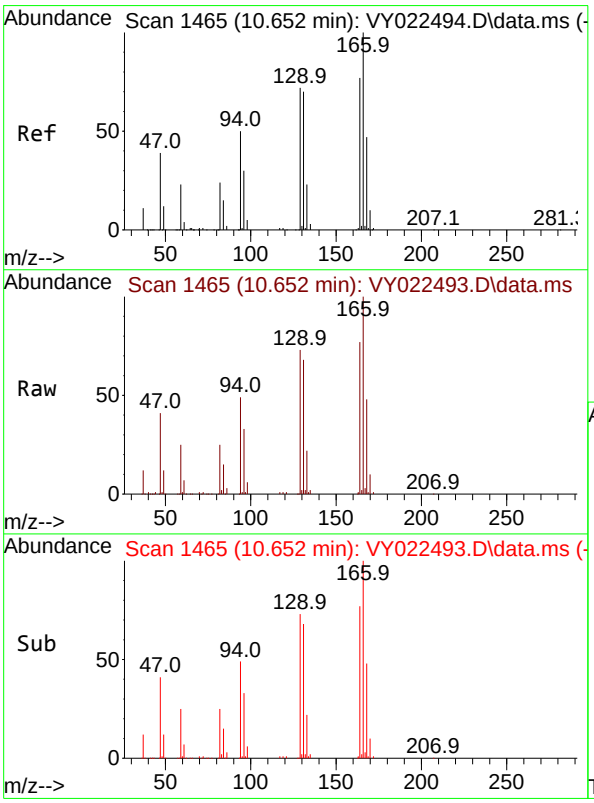
Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.6	66.8
119	32.2	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

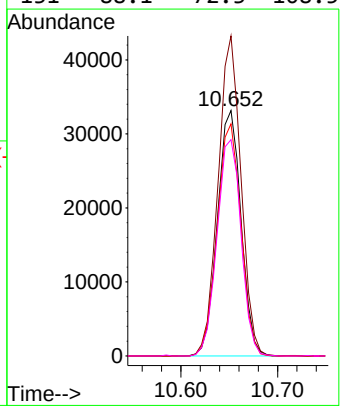


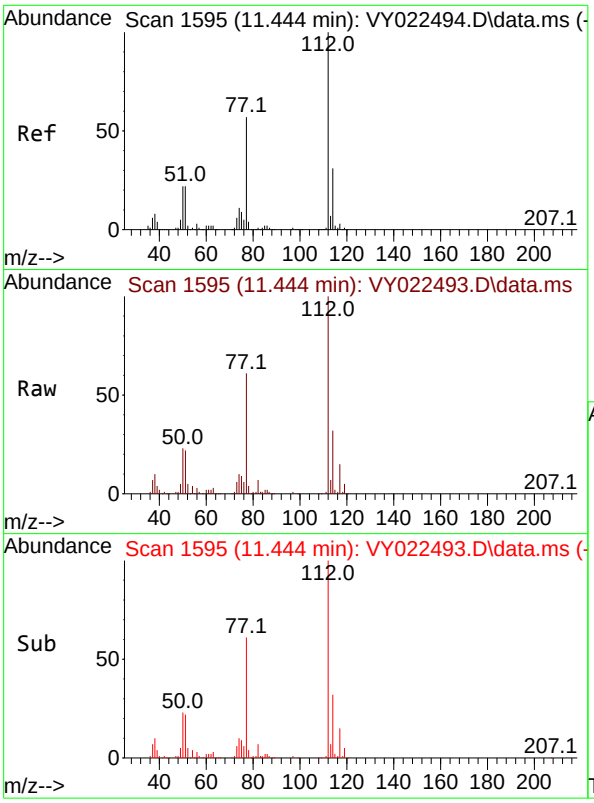


#64
Tetrachloroethene
Concen: 21.063 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:164 Resp: 56256

Ion	Ratio	Lower	Upper
164	100		
166	130.3	104.0	156.0
129	94.6	74.5	111.7
131	88.1	72.3	108.5

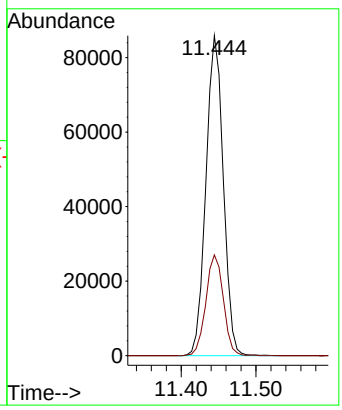




#65
Chlorobenzene
Concen: 20.336 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:112 Resp: 13858

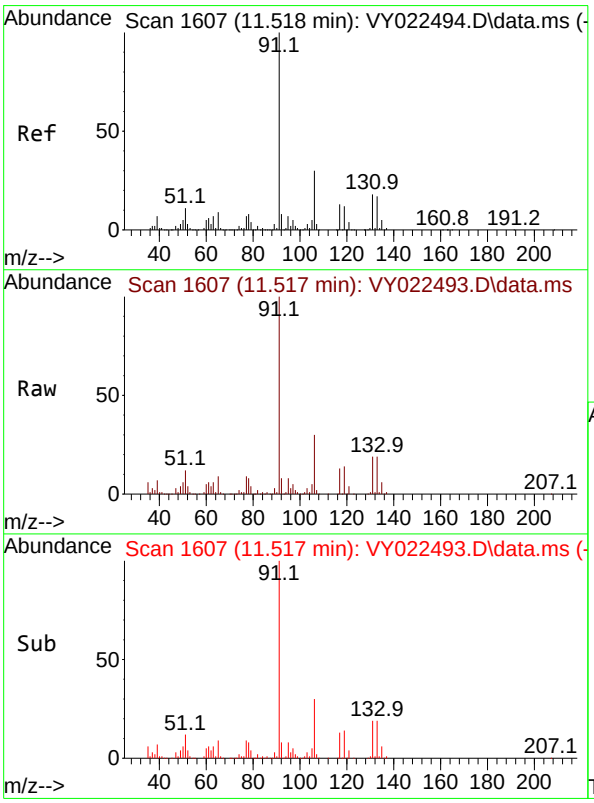
Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

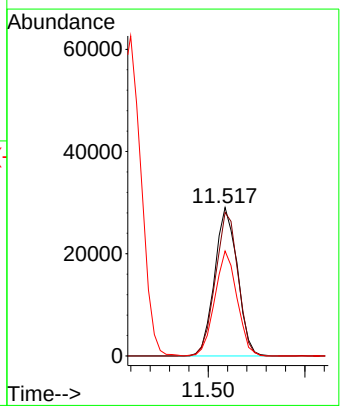
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

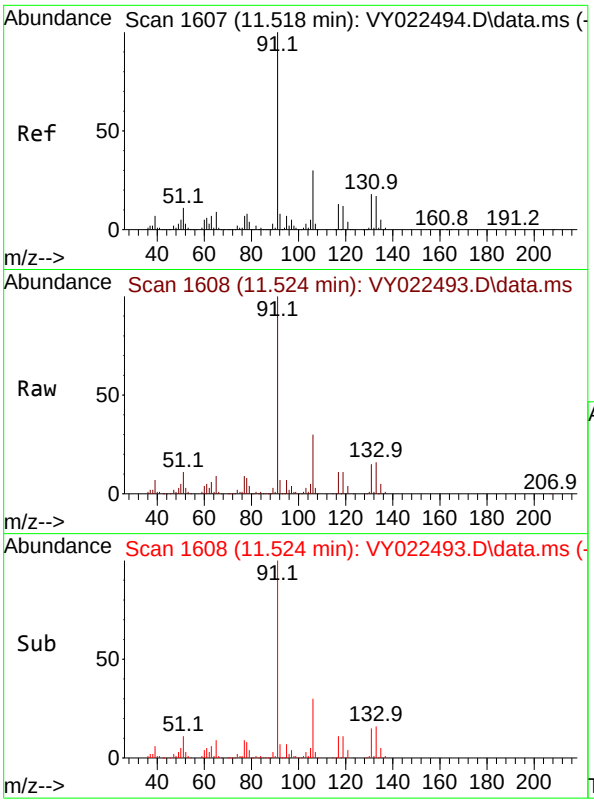


#66
1,1,1,2-Tetrachloroethane
Concen: 20.600 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:131 Resp: 47587

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.3	141.8
119	68.9	33.1	99.3

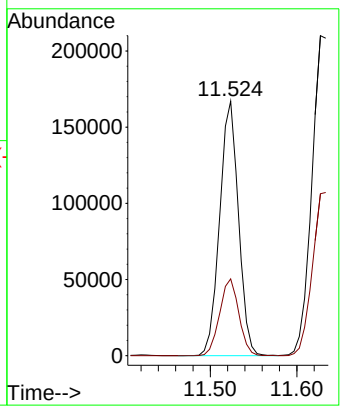




#67
Ethyl Benzene
Concen: 19.871 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 91 Resp: 25218

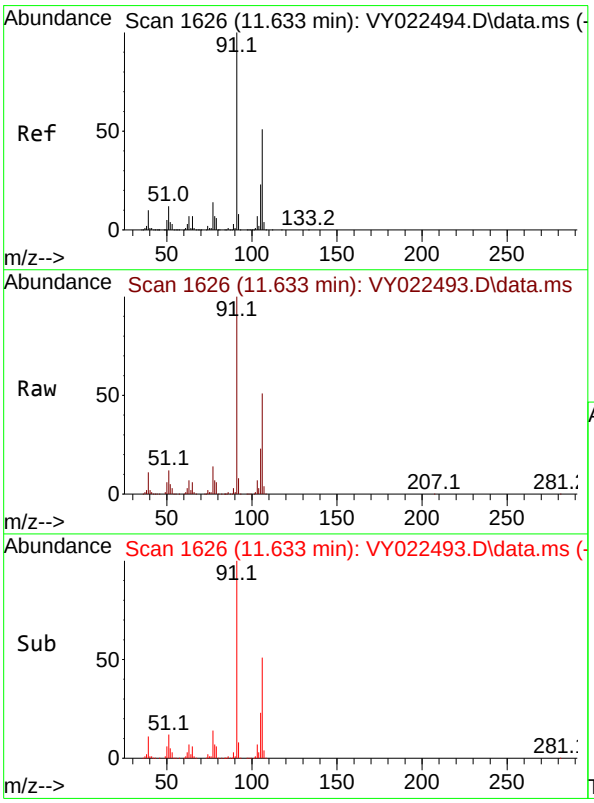
Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.2	36.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

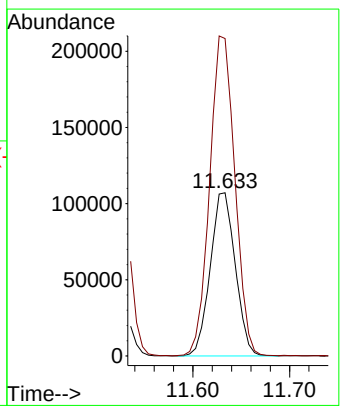
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

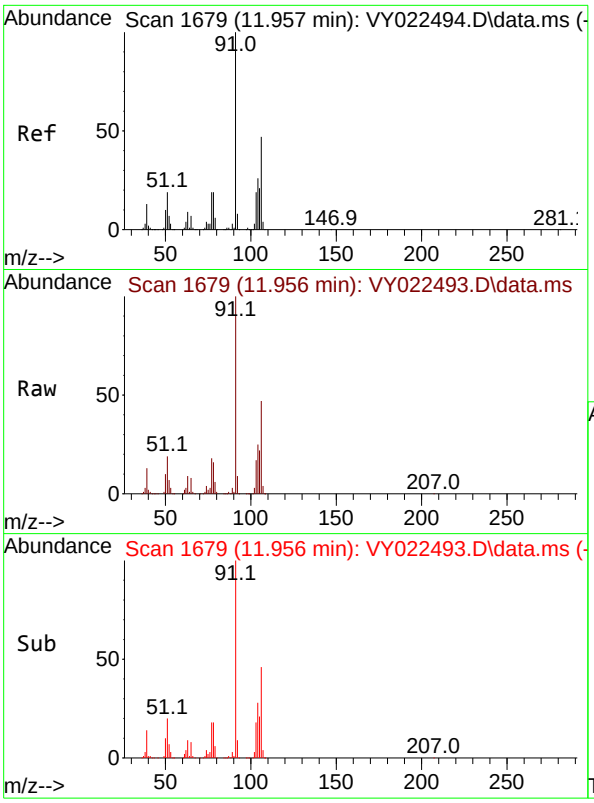


#68
m/p-Xylenes
Concen: 40.053 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:106 Resp: 192372

Ion	Ratio	Lower	Upper
106	100		
91	197.2	159.4	239.0





#69
o-Xylene
Concen: 20.155 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

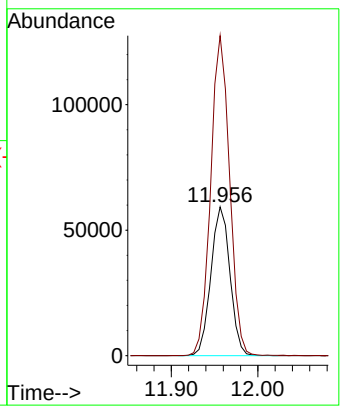
Tgt Ion:106 Resp: 9059

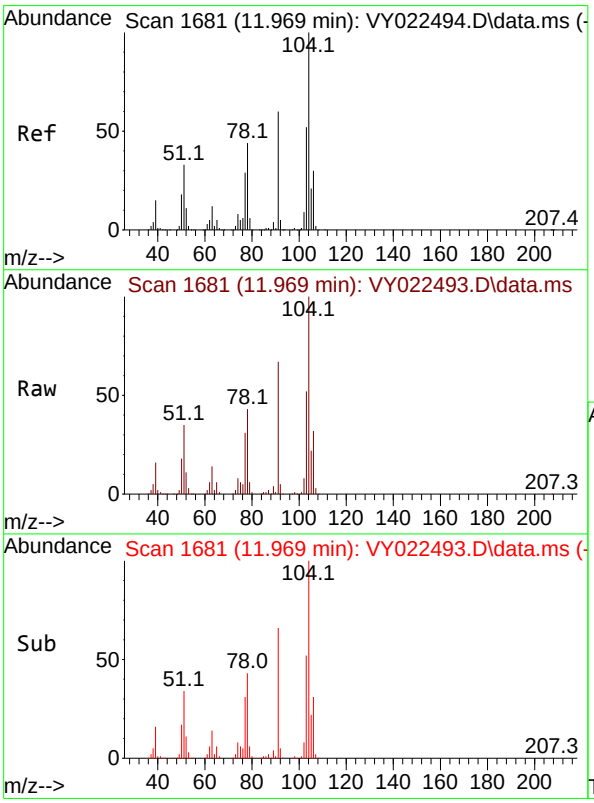
Ion	Ratio	Lower	Upper
106	100		
91	214.1	105.8	317.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

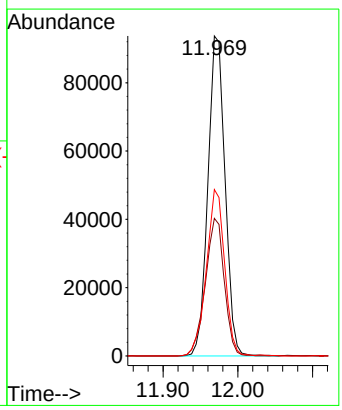


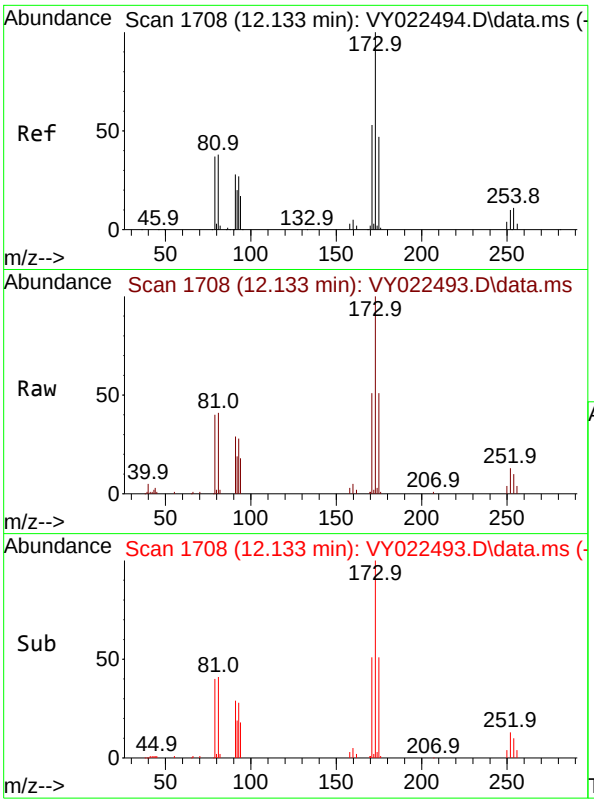


#70
Styrene
Concen: 20.086 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:104 Resp: 149486

Ion	Ratio	Lower	Upper
104	100		
78	47.5	39.5	59.3
103	55.4	44.1	66.1

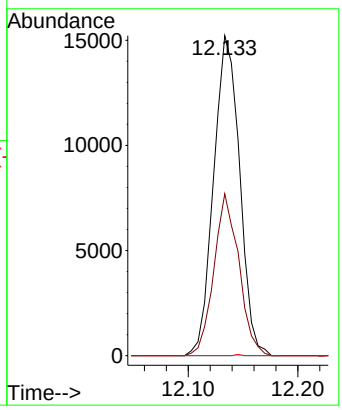




#71
Bromoform
Concen: 20.668 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:173 Resp: 2508

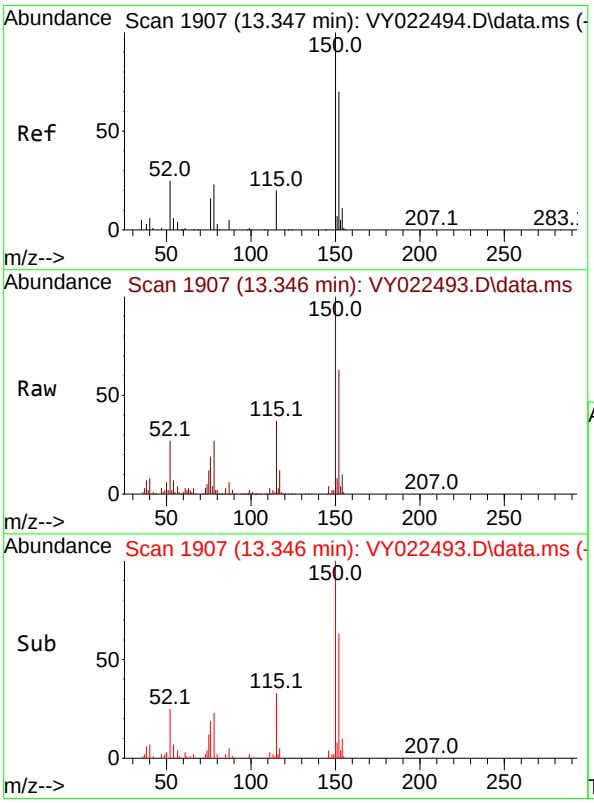
Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.8	71.5
254	0.1	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

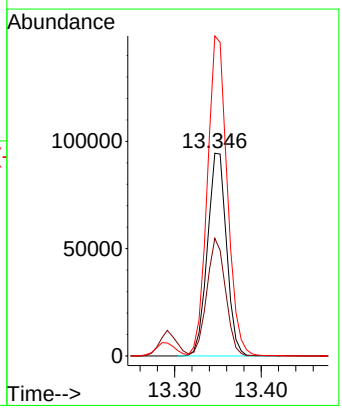
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

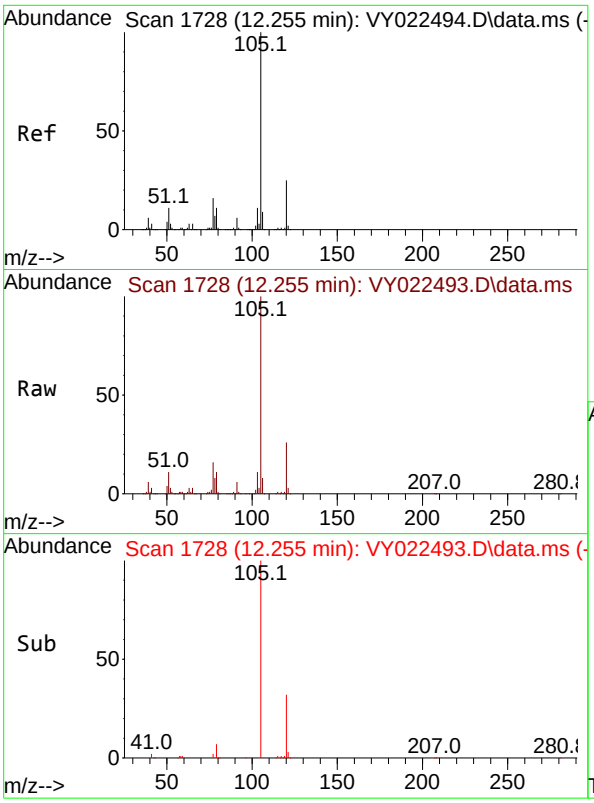


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:152 Resp: 144385

Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.9	86.7
150	164.8	0.0	349.6

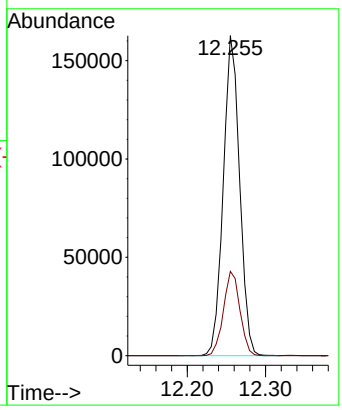




#73
Isopropylbenzene
Concen: 20.303 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:105 Resp: 23618

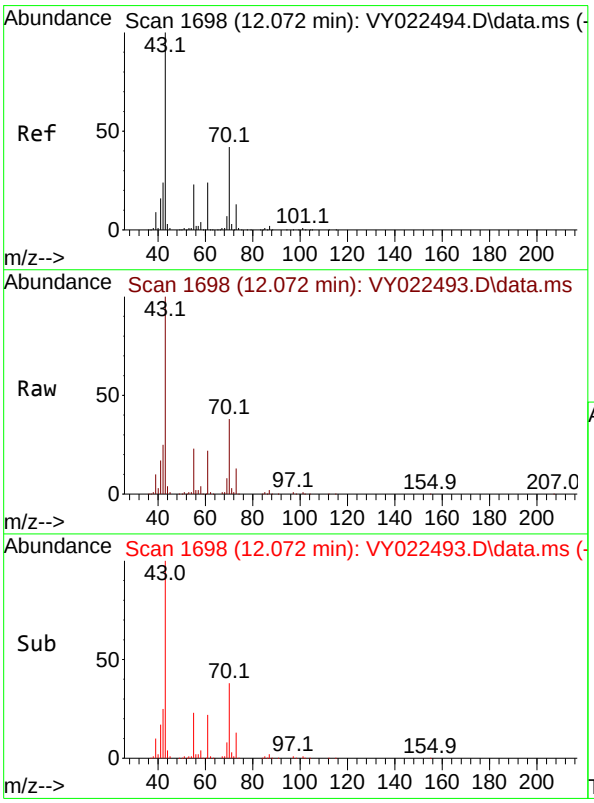
Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

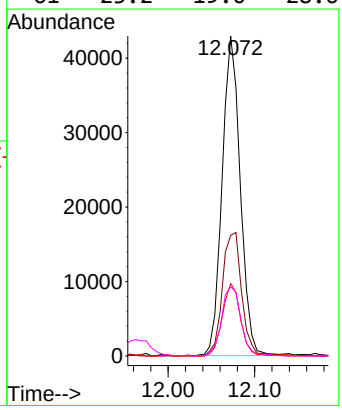
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

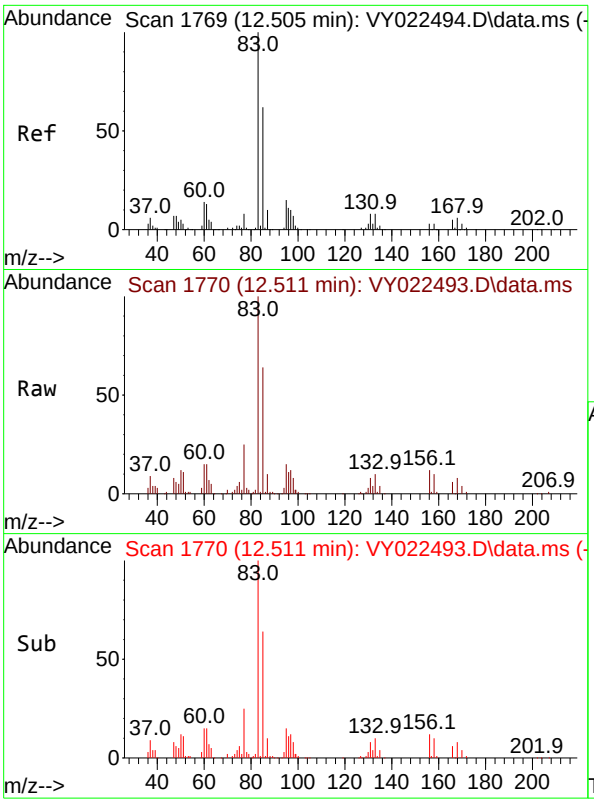


#74
N-amyl acetate
Concen: 21.224 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 62437

Ion	Ratio	Lower	Upper
43	100		
70	41.2	34.2	51.2
55	22.6	18.2	27.4
61	23.2	19.0	28.6

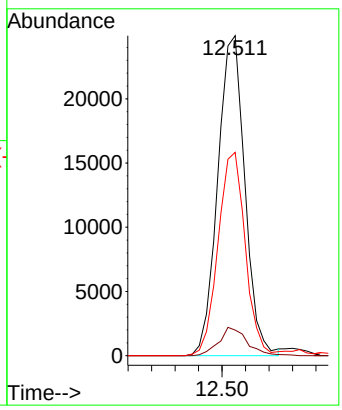




#75
1,1,2,2-Tetrachloroethane
Concen: 21.165 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 83 Resp: 3998

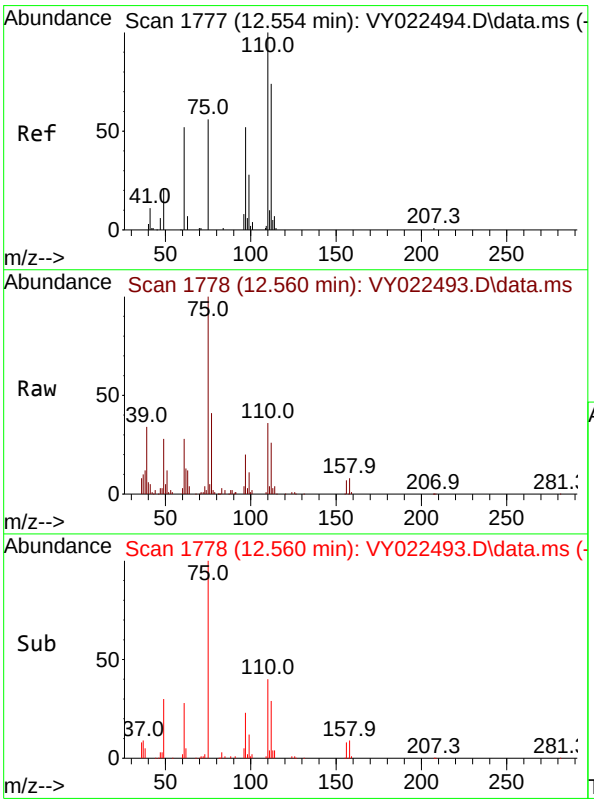
Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.9	14.7
85	63.8	32.6	97.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

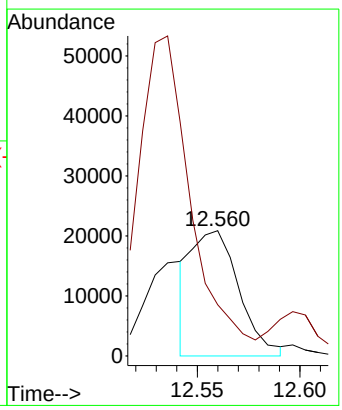
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

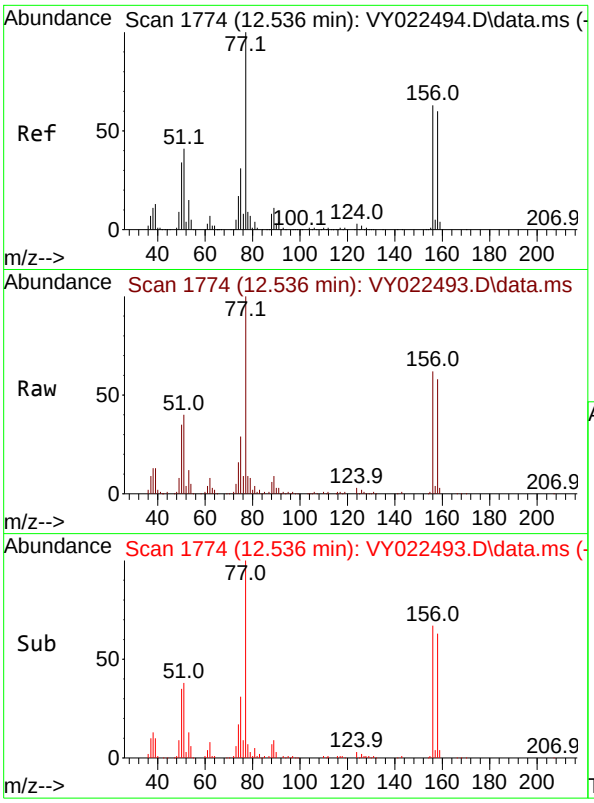


#76
1,2,3-Trichloropropane
Concen: 17.622 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 75 Resp: 33589

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

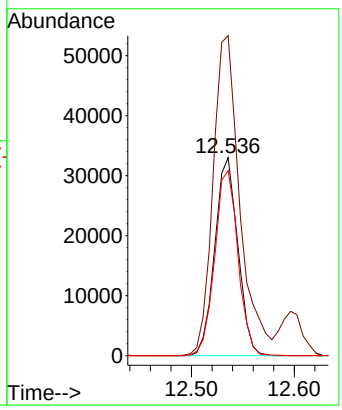




#77
Bromobenzene
Concen: 20.853 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:156 Resp: 5141

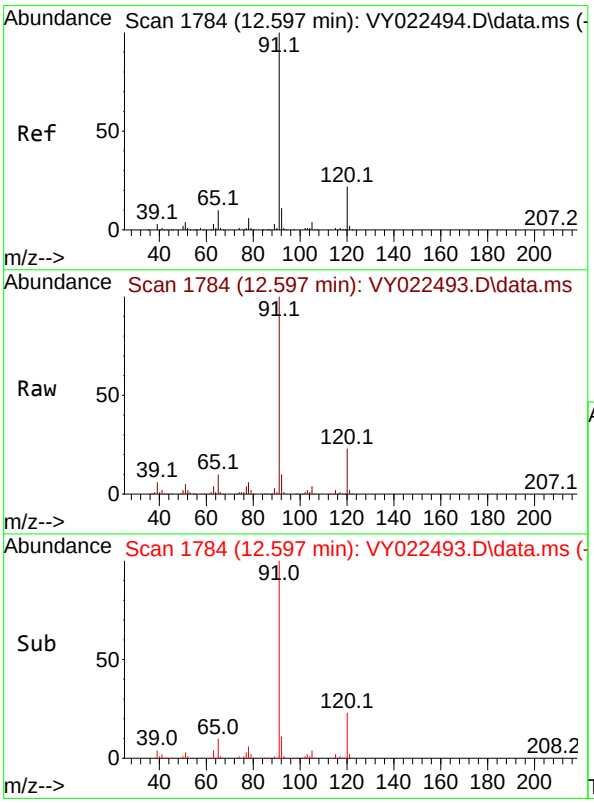
Ion	Ratio	Lower	Upper
156	100		
77	187.6	94.0	282.1
158	94.2	48.2	144.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

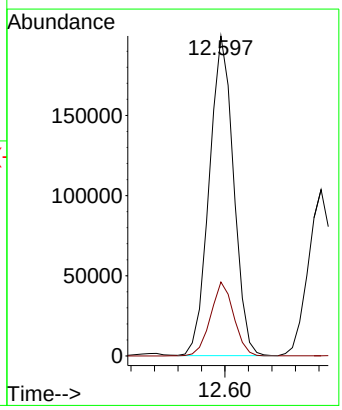
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

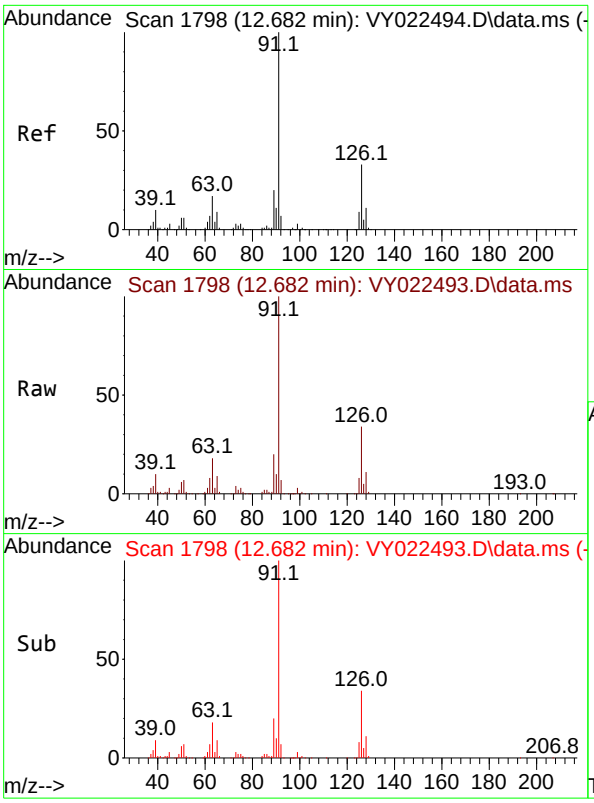


#78
n-propylbenzene
Concen: 20.239 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 91 Resp: 286589

Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.8	32.4





#79
2-Chlorotoluene
Concen: 20.497 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

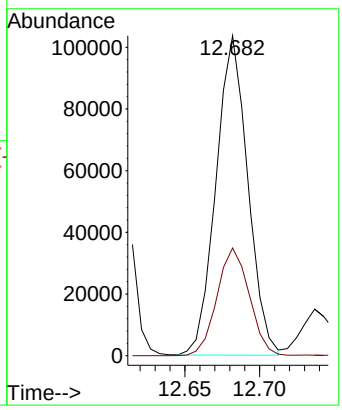
Tgt Ion: 91 Resp: 15325

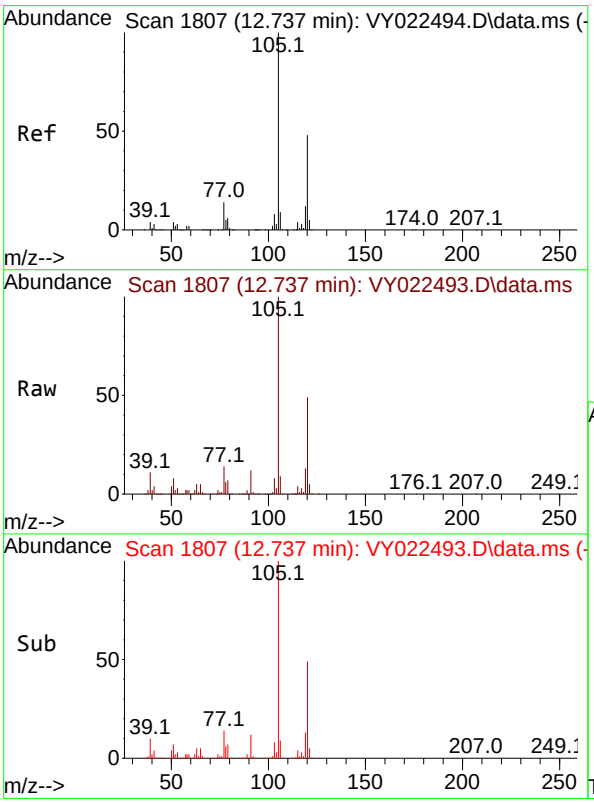
Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	51.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

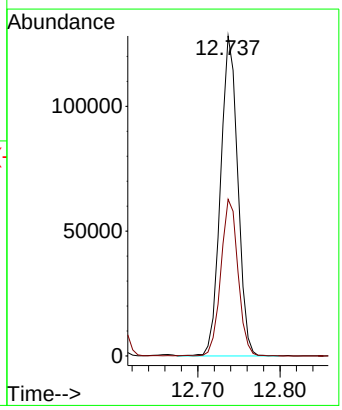


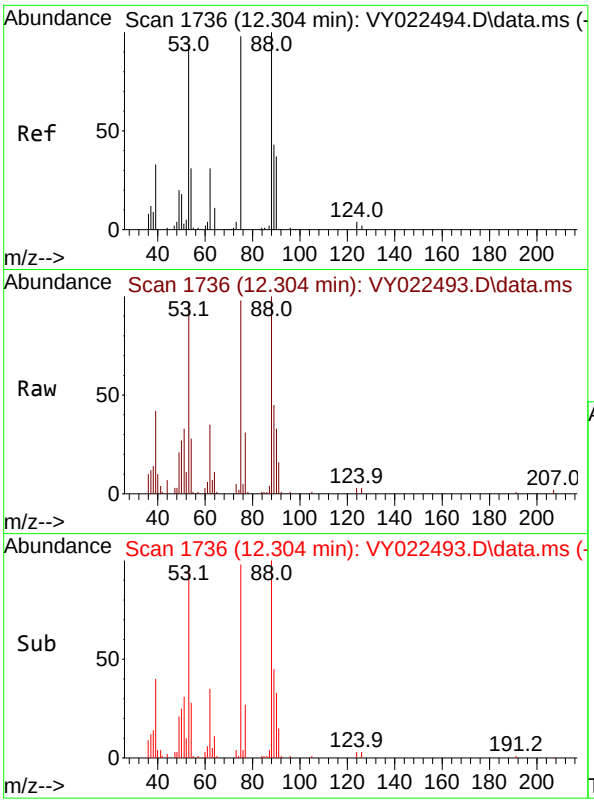


#80
1,3,5-Trimethylbenzene
Concen: 20.570 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:105 Resp: 187101

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.1	72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 20.904 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

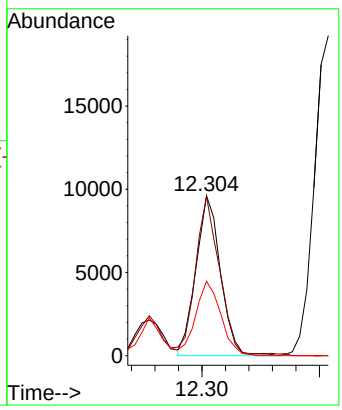
Tgt Ion: 75 Resp: 1389

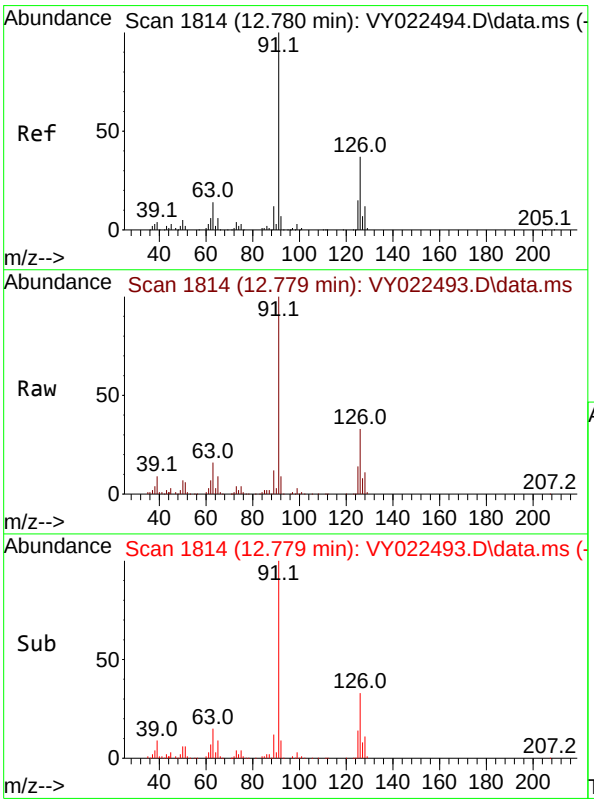
Ion	Ratio	Lower	Upper
75	100		
53	96.6	78.5	117.7
89	47.7	35.7	53.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

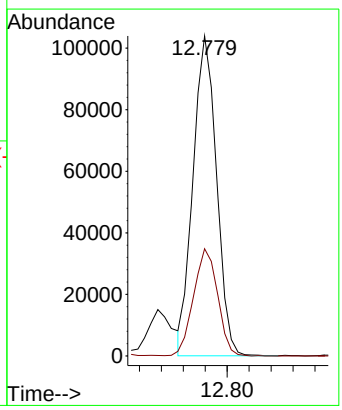


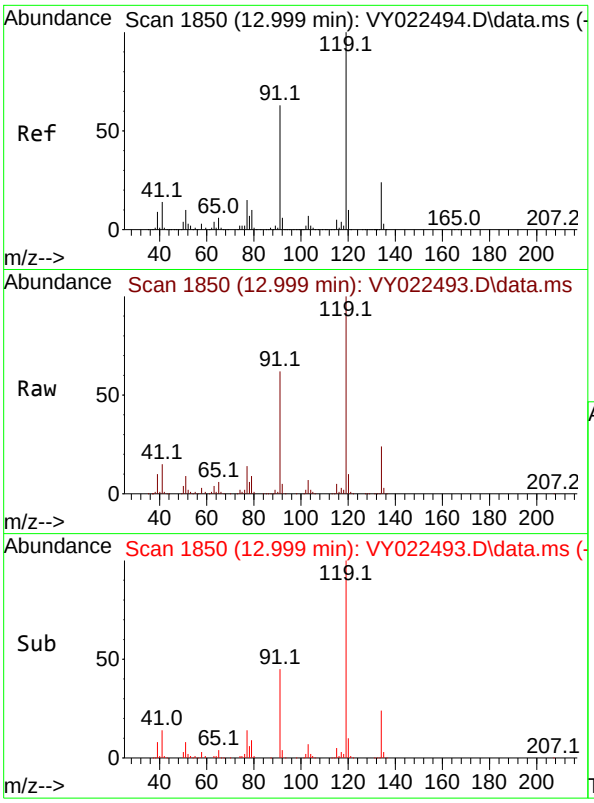


#82
4-Chlorotoluene
Concen: 19.951 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 91 Resp: 154601

Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.0	50.9

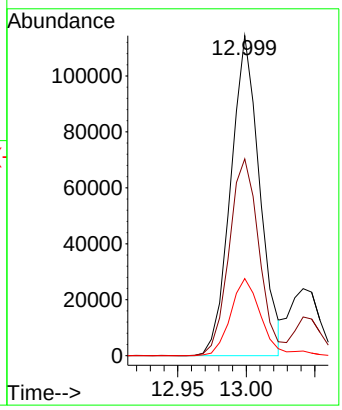




#83
tert-Butylbenzene
Concen: 20.188 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:119 Resp: 16751

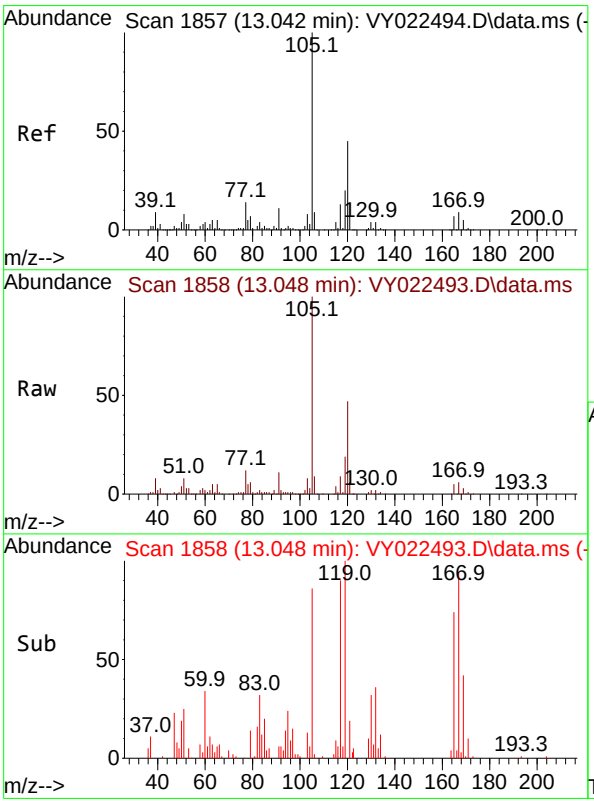
Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.1	96.3
134	25.7	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

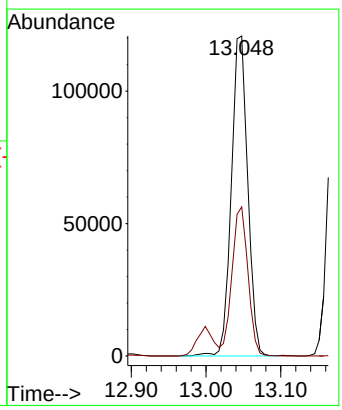
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

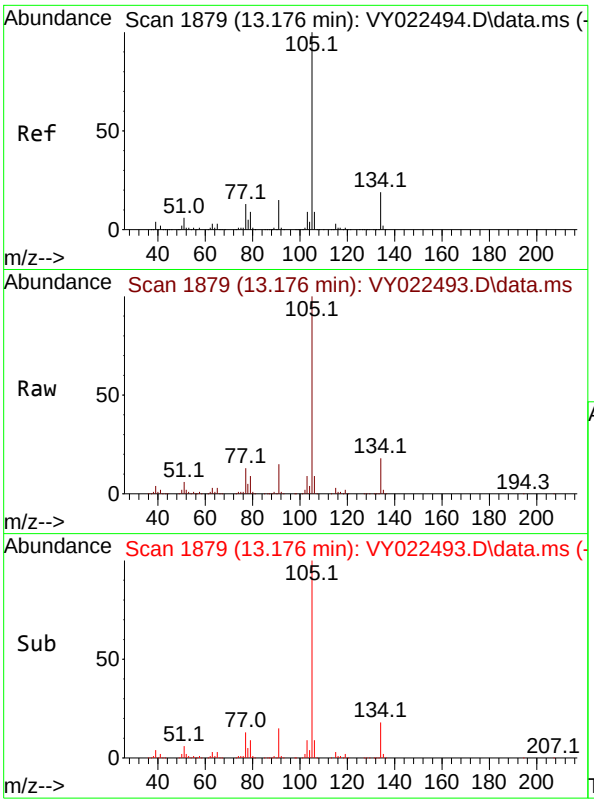


#84
1,2,4-Trimethylbenzene
Concen: 20.241 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:105 Resp: 184202

Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.7	68.1





#85
sec-Butylbenzene
Concen: 19.979 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

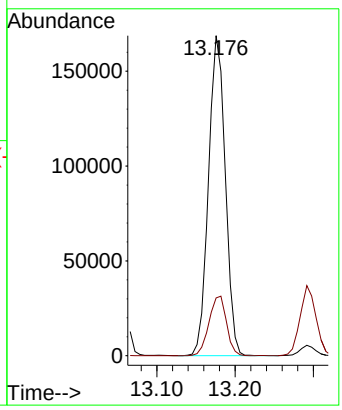
Tgt Ion:105 Resp: 25135

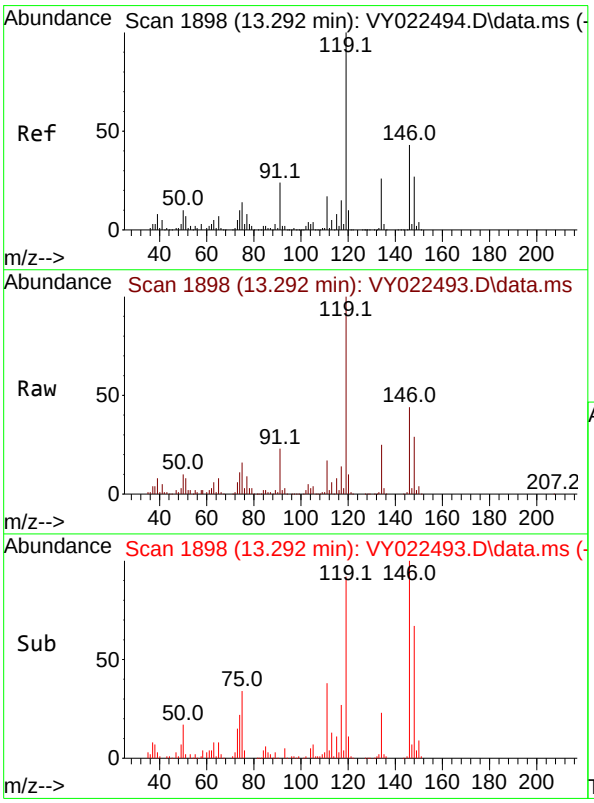
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

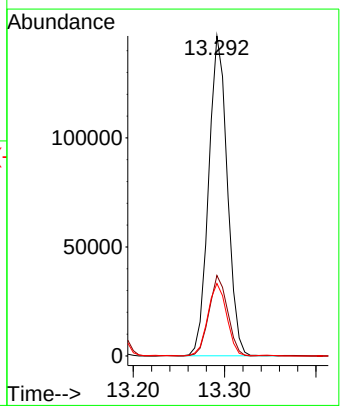


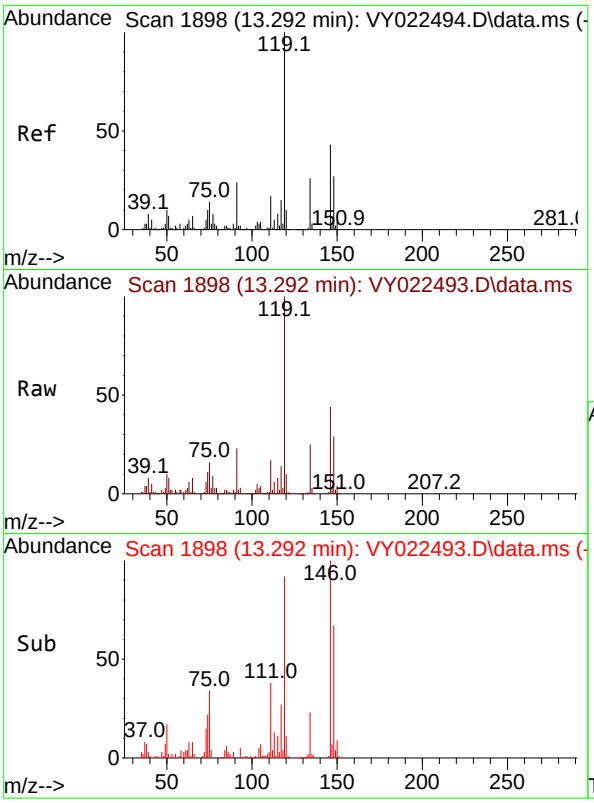


#86
p-Isopropyltoluene
Concen: 20.054 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:119 Resp: 207417

Ion	Ratio	Lower	Upper
119	100		
134	25.1	13.1	39.1
91	22.8	11.6	34.8

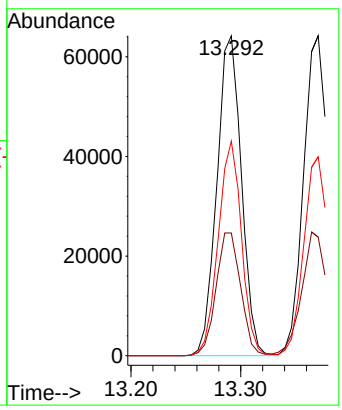




#87
1,3-Dichlorobenzene
Concen: 20.252 ug/l
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:146 Resp: 9990

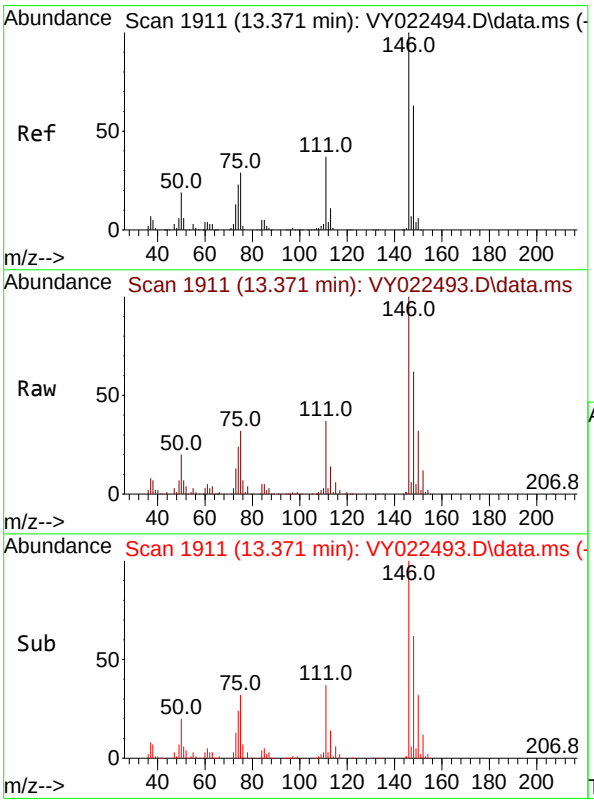
Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.1	60.2
148	63.9	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

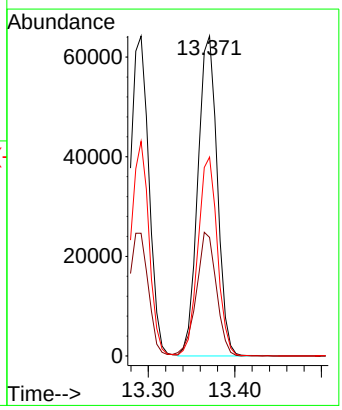
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

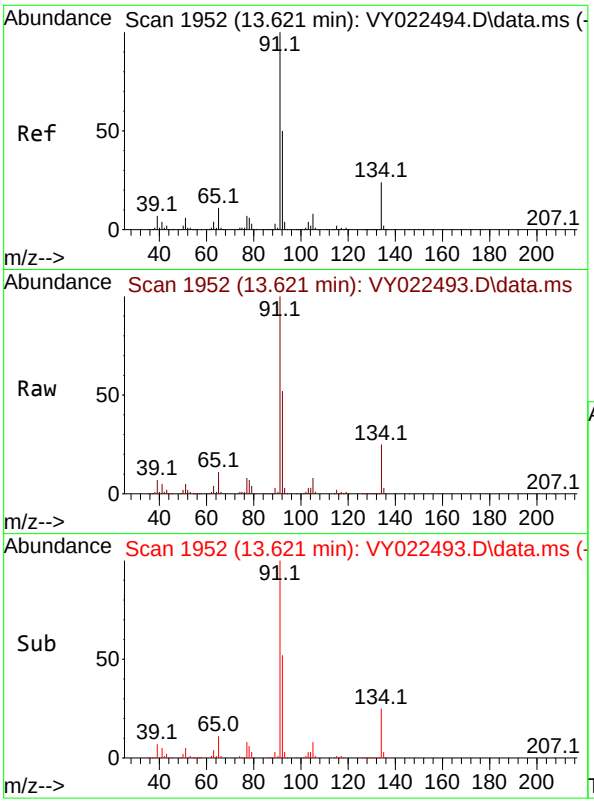


#88
1,4-Dichlorobenzene
Concen: 20.823 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:146 Resp: 100082

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.4	58.2
148	62.1	31.6	94.8

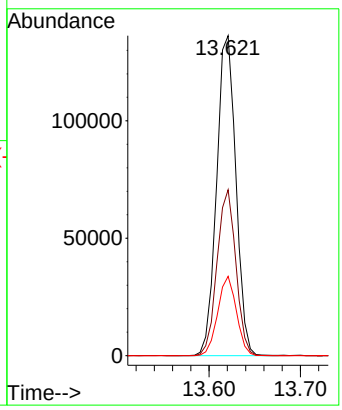




#89
n-Butylbenzene
Concen: 20.287 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 91 Resp: 19978

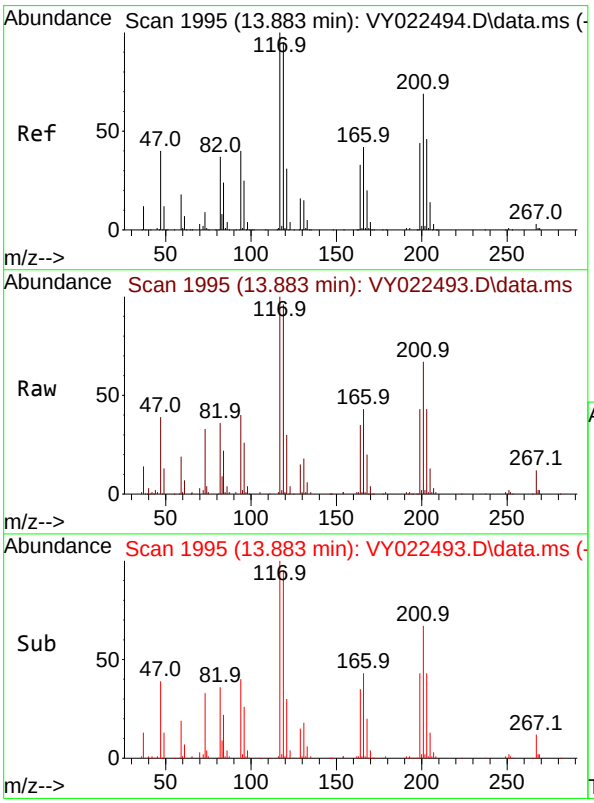
Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.9	77.8
134	24.1	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

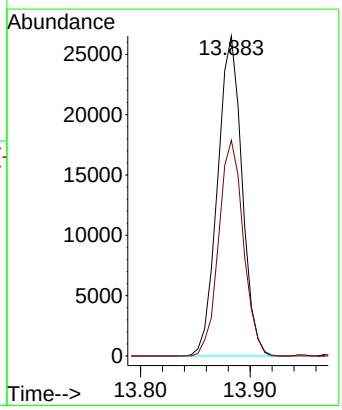
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

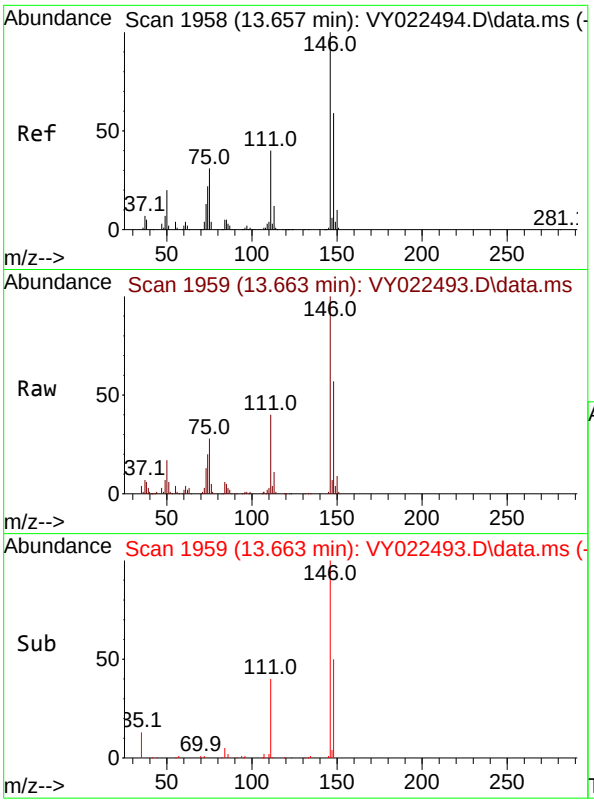


#90
Hexachloroethane
Concen: 20.316 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:117 Resp: 41119

Ion	Ratio	Lower	Upper
117	100		
201	67.9	34.0	102.0

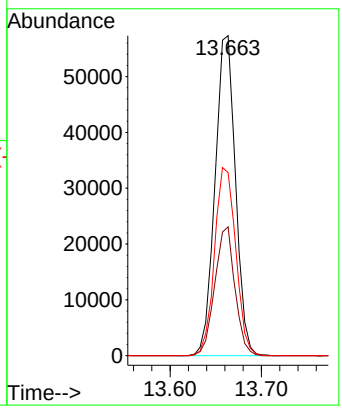




#91
1,2-Dichlorobenzene
Concen: 21.085 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:146 Resp: 8935

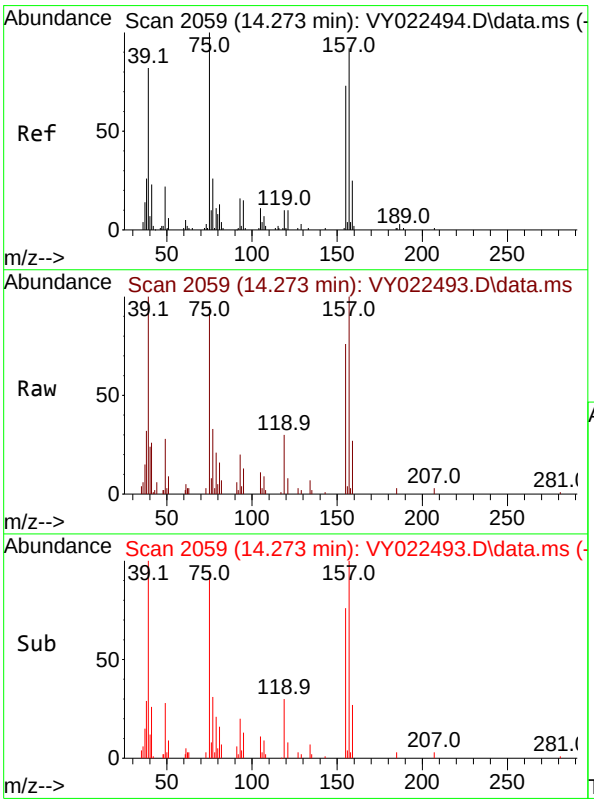
Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.2	60.6
148	60.9	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

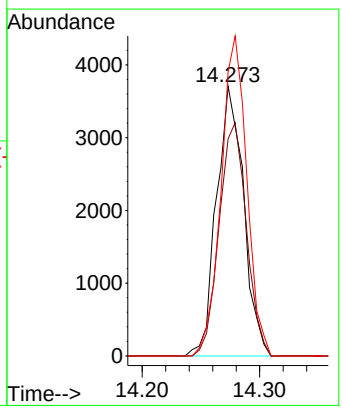
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

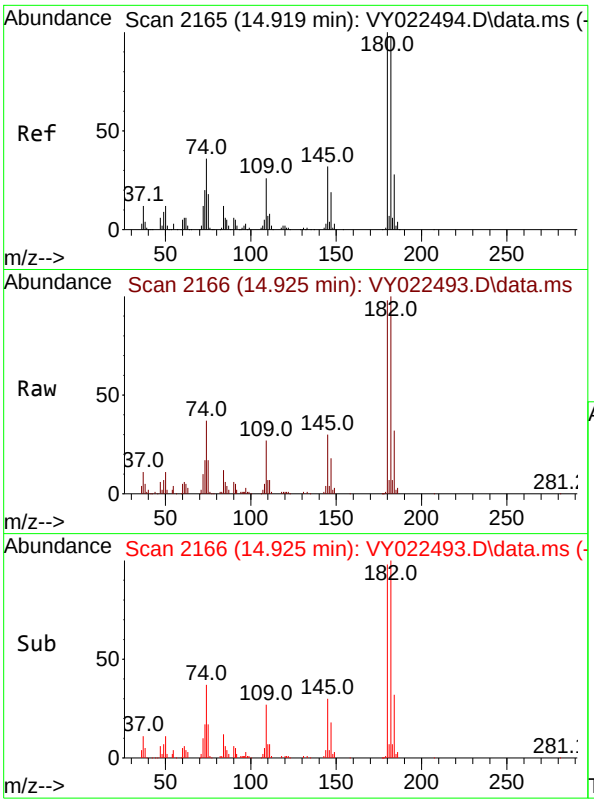


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.796 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 75 Resp: 5939

Ion	Ratio	Lower	Upper
75	100		
155	87.0	39.9	119.6
157	112.6	54.0	162.0

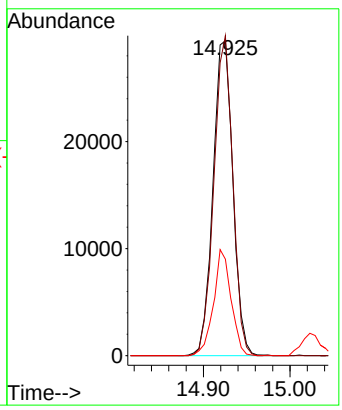




#93
1,2,4-Trichlorobenzene
Concen: 20.254 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:180 Resp: 4691

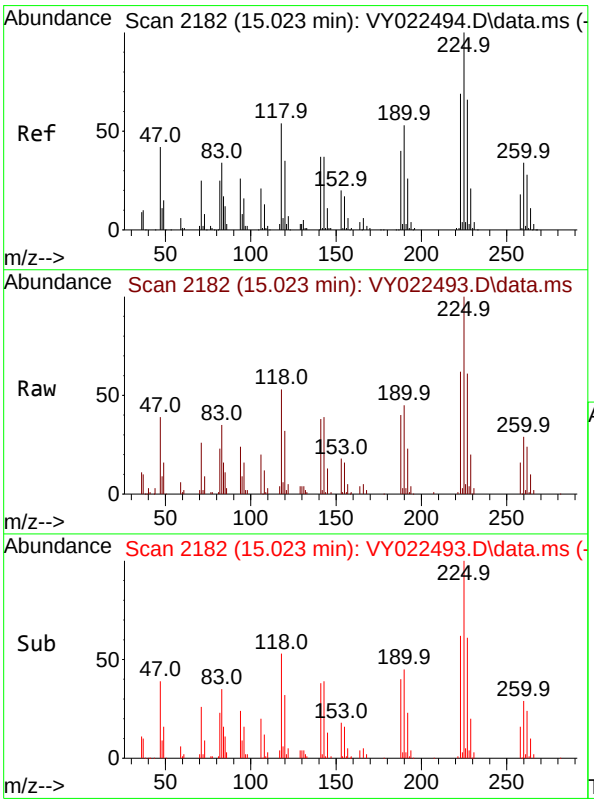
Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.4	145.3
145	29.8	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

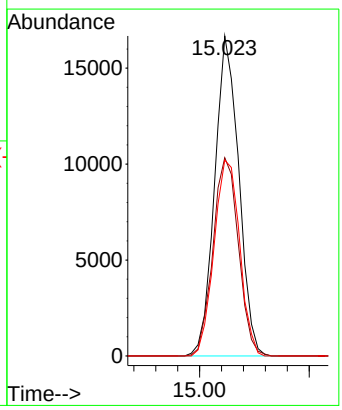
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

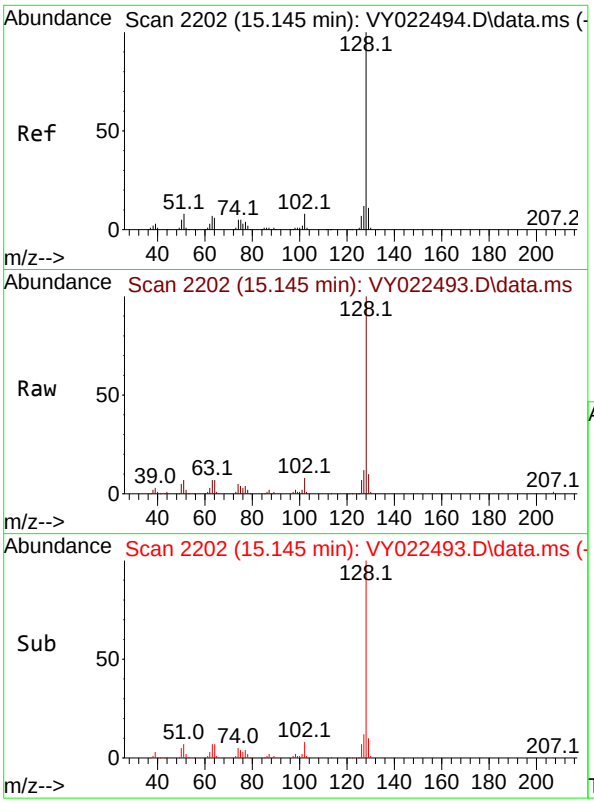


#94
Hexachlorobutadiene
Concen: 20.124 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:225 Resp: 25462

Ion	Ratio	Lower	Upper
225	100		
223	65.4	32.5	97.4
227	65.0	32.3	96.9

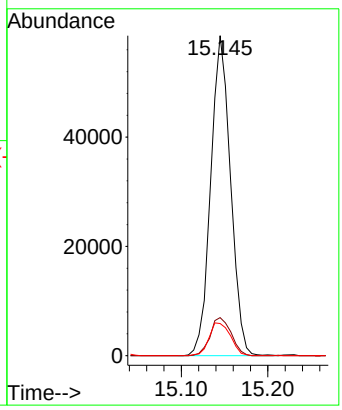




#95
Naphthalene
Concen: 20.994 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:128 Resp: 9320

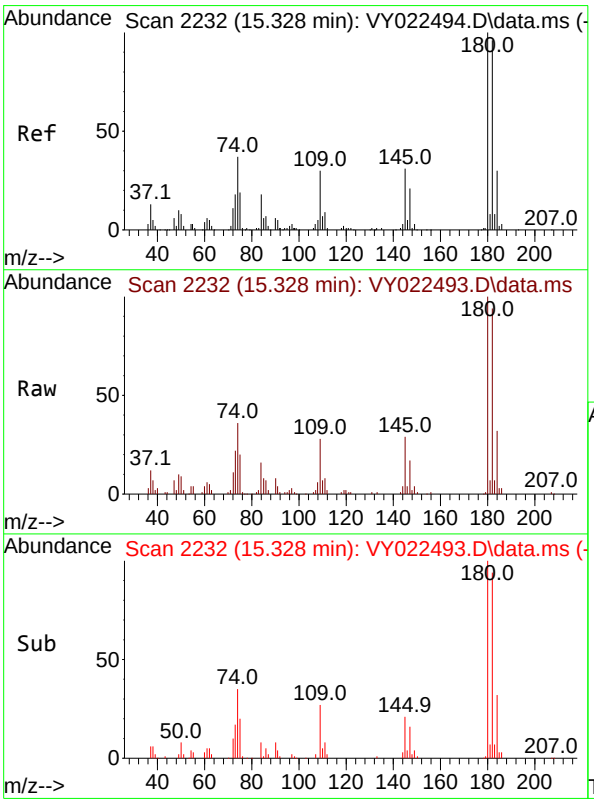
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	11.1	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

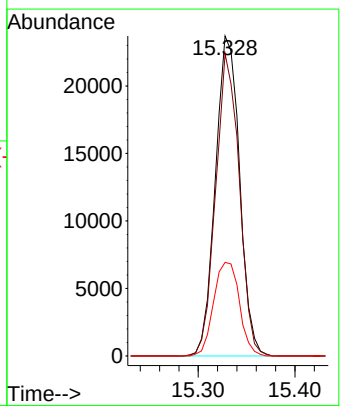
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.892 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:180 Resp: 41131

Ion	Ratio	Lower	Upper
180	100		
182	91.9	47.1	141.3
145	31.1	15.2	45.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	209963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	350947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	298187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	139554	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	124098	54.320	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.640%			
35) Dibromofluoromethane	7.640	113	112624	54.514	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.020%			
50) Toluene-d8	10.109	98	448690	53.734	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.460%			
62) 4-Bromofluorobenzene	12.408	95	130393	51.503	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	86654	47.230	ug/l	100
3) Chloromethane	2.068	50	258324	47.727	ug/l	100
4) Vinyl Chloride	2.202	62	314332	49.618	ug/l	100
5) Bromomethane	2.598	94	260442	43.463	ug/l	100
6) Chloroethane	2.739	64	202595	46.711	ug/l	100
7) Trichlorofluoromethane	3.056	101	257006	47.749	ug/l	100
8) Diethyl Ether	3.464	74	61045	51.349	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	112910	50.009	ug/l	100
10) Methyl Iodide	4.007	142	135237	55.855	ug/l	100
11) Tert butyl alcohol	4.885	59	41304	253.096	ug/l	100
12) 1,1-Dichloroethene	3.800	96	108756	50.463	ug/l	100
13) Acrolein	3.659	56	50388	252.946	ug/l	100
14) Allyl chloride	4.391	41	169258	50.399	ug/l	100
15) Acrylonitrile	5.068	53	132018	261.075	ug/l	100
16) Acetone	3.879	43	121507	269.036	ug/l	100
17) Carbon Disulfide	4.110	76	349342	50.769	ug/l	100
18) Methyl Acetate	4.397	43	69815	51.384	ug/l	100
19) Methyl tert-butyl Ether	5.129	73	308578	51.316	ug/l	100
20) Methylene Chloride	4.623	84	120562	47.810	ug/l	100
21) trans-1,2-Dichloroethene	5.122	96	119917	49.807	ug/l	100
22) Diisopropyl ether	6.025	45	381760	51.120	ug/l	100
23) Vinyl Acetate	5.970	43	1137415	256.734	ug/l	100
24) 1,1-Dichloroethane	5.921	63	222533	50.410	ug/l	100
25) 2-Butanone	6.903	43	176185	264.461	ug/l	100
26) 2,2-Dichloropropane	6.890	77	198763	50.650	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	143210	51.463	ug/l	100
28) Bromochloromethane	7.250	49	95397	50.015	ug/l	100
29) Tetrahydrofuran	7.268	42	109698	255.247	ug/l	100
30) Chloroform	7.427	83	222226	50.944	ug/l	100
31) Cyclohexane	7.707	56	213031	47.951	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	199103	51.074	ug/l	100
36) 1,1-Dichloropropene	7.841	75	170708	51.116	ug/l	100
37) Ethyl Acetate	6.994	43	80426	54.721	ug/l	100
38) Carbon Tetrachloride	7.823	117	178292	51.787	ug/l	100
39) Methylcyclohexane	9.116	83	230536	51.100	ug/l	100
40) Benzene	8.085	78	505749	51.376	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	43865	46.342	ug/l		100
42) 1,2-Dichloroethane	8.165	62	136876	51.114	ug/l		100
43) Isopropyl Acetate	8.201	43	167771	52.237	ug/l		100
44) Trichloroethene	8.866	130	124670	51.843	ug/l		100
45) 1,2-Dichloropropane	9.146	63	120660	51.415	ug/l		100
46) Dibromomethane	9.231	93	67690	51.485	ug/l		100
47) Bromodichloromethane	9.427	83	172341	51.664	ug/l		100
48) Methyl methacrylate	9.225	41	77885	52.963	ug/l		100
49) 1,4-Dioxane	9.244	88	15334	977.637	ug/l		100
51) 4-Methyl-2-Pentanone	10.000	43	425868	267.154	ug/l		100
52) Toluene	10.176	92	316972	51.213	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	161859	52.450	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	188559	52.108	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	84788	51.209	ug/l		100
56) Ethyl methacrylate	10.445	69	127271	52.930	ug/l		100
57) 1,3-Dichloropropane	10.719	76	152809	51.821	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	279669	260.896	ug/l		100
59) 2-Hexanone	10.762	43	283601	266.885	ug/l		100
60) Dibromochloromethane	10.914	129	110314	52.582	ug/l		100
61) 1,2-Dibromoethane	11.018	107	78151	51.150	ug/l		100
64) Tetrachloroethene	10.652	164	130171	51.367	ug/l		100
65) Chlorobenzene	11.444	112	332645	51.447	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	112934	51.526	ug/l		100
67) Ethyl Benzene	11.518	91	621031	51.577	ug/l		100
68) m/p-Xylenes	11.633	106	468441	102.795	ug/l		100
69) o-Xylene	11.957	106	218760	51.293	ug/l		100
70) Styrene	11.969	104	367553	52.052	ug/l		100
71) Bromoform	12.133	173	59888	51.996	ug/l	#	100
73) Isopropylbenzene	12.255	105	577133	51.329	ug/l		100
74) N-amyl acetate	12.072	43	149637	52.627	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	95218	52.145	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	87965m	47.747	ug/l		
77) Bromobenzene	12.536	156	121092	50.812	ug/l		100
78) n-propylbenzene	12.597	91	707143	51.667	ug/l		100
79) 2-Chlorotoluene	12.682	91	373402	51.670	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	455006	51.754	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	32630	50.780	ug/l		100
82) 4-Chlorotoluene	12.780	91	387296	51.710	ug/l		100
83) tert-Butylbenzene	12.999	119	404519	50.438	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	449372	51.088	ug/l		100
85) sec-Butylbenzene	13.176	105	623185	51.250	ug/l		100
86) p-Isopropyltoluene	13.292	119	510026	51.018	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	241816	50.717	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	237429	51.108	ug/l		100
89) n-Butylbenzene	13.621	91	493153	51.811	ug/l		100
90) Hexachloroethane	13.883	117	99901	51.068	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	211065	51.528	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14697	53.244	ug/l		100
93) 1,2,4-Trichlorobenzene	14.919	180	114007	50.919	ug/l		100
94) Hexachlorobutadiene	15.023	225	62434	51.054	ug/l		100
95) Naphthalene	15.145	128	226073	52.686	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	97609	51.295	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 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

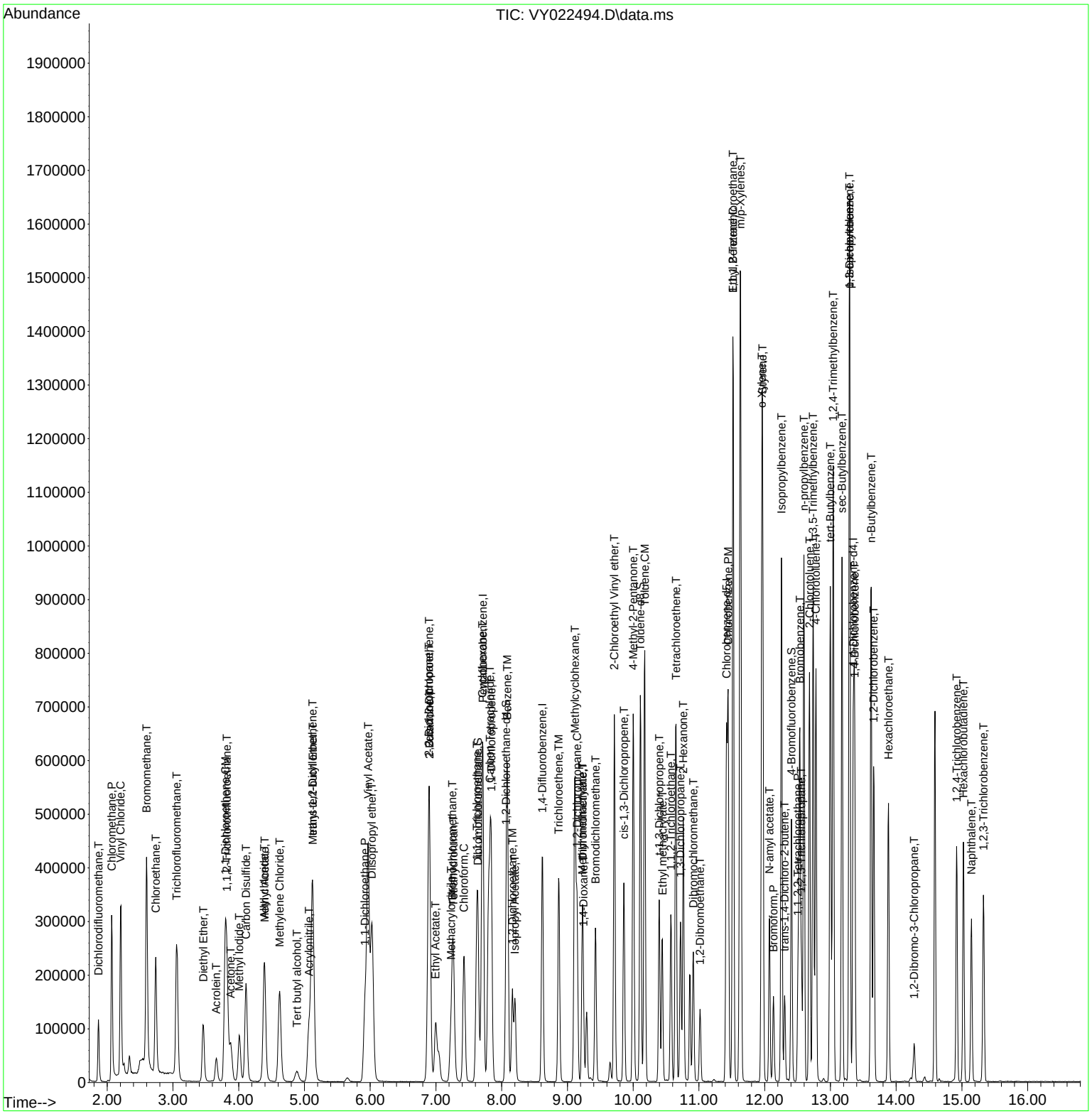
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

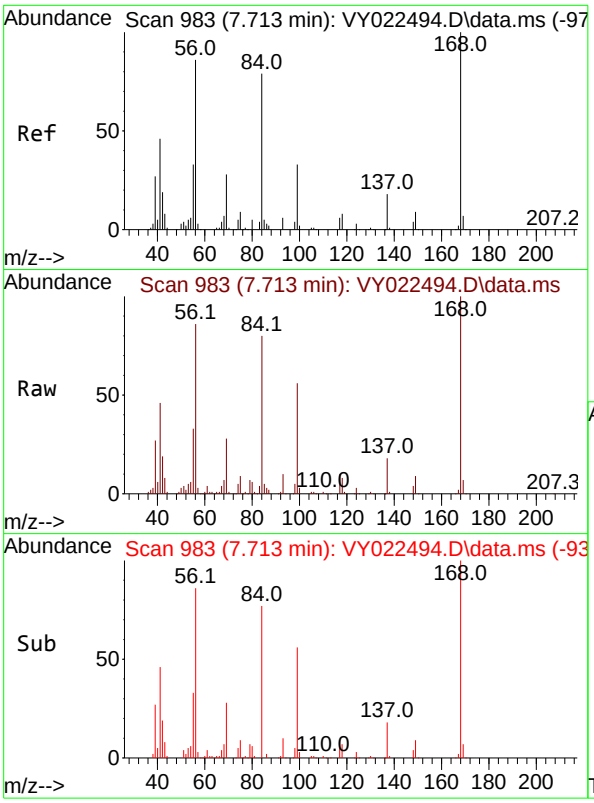
Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

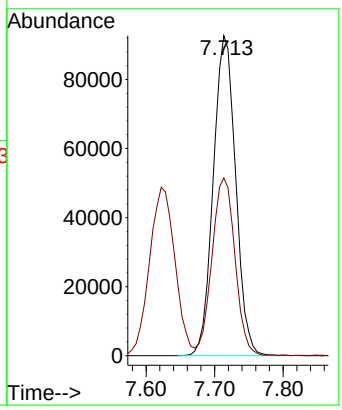




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:168 Resp: 20996

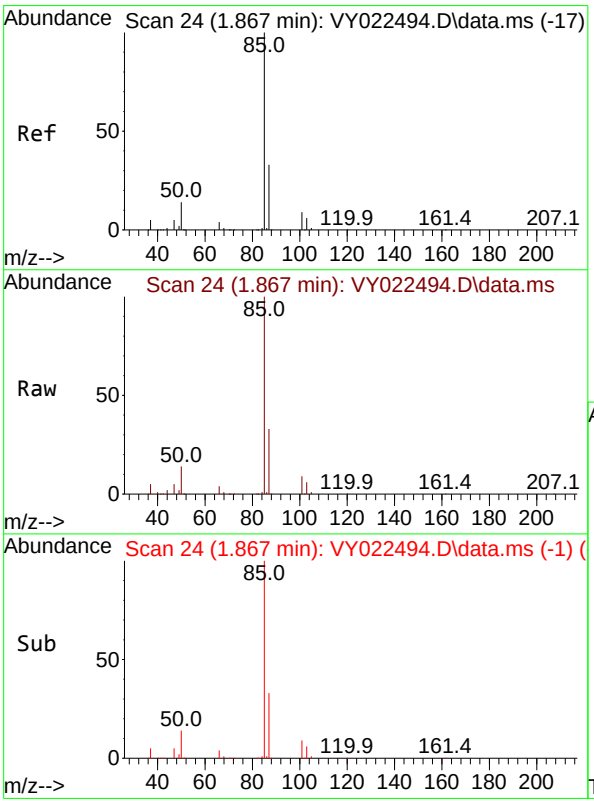
Ion	Ratio	Lower	Upper
168	100		
99	55.4	44.3	66.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

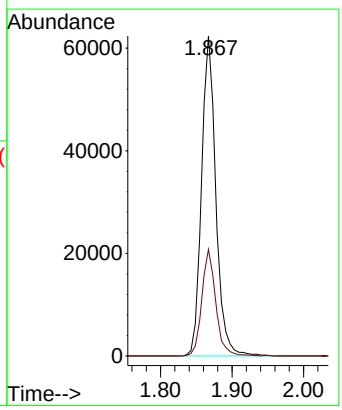
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

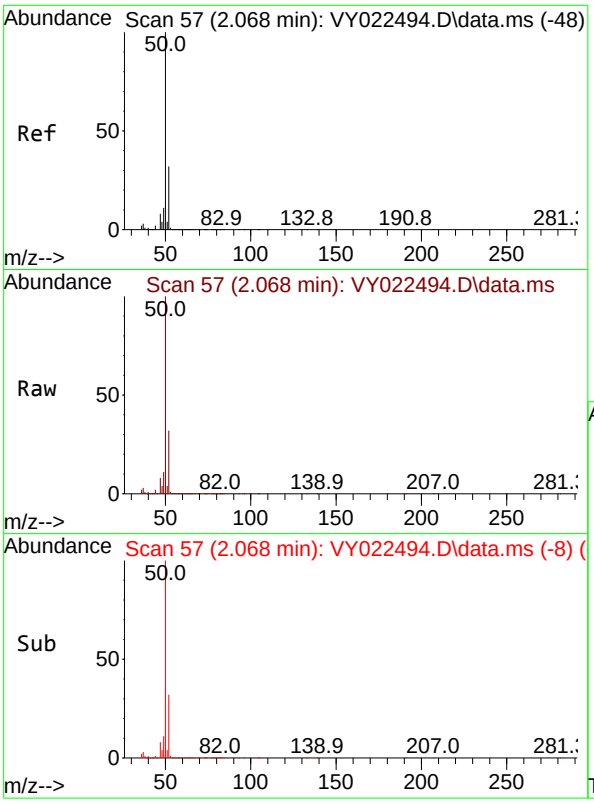


#2
Dichlorodifluoromethane
Concen: 47.230 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 85 Resp: 86654

Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.7	50.0

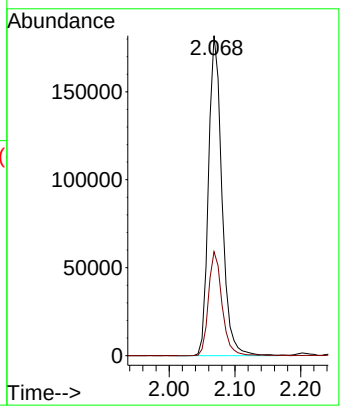




#3
Chloromethane
Concen: 47.727 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 50 Resp: 25832

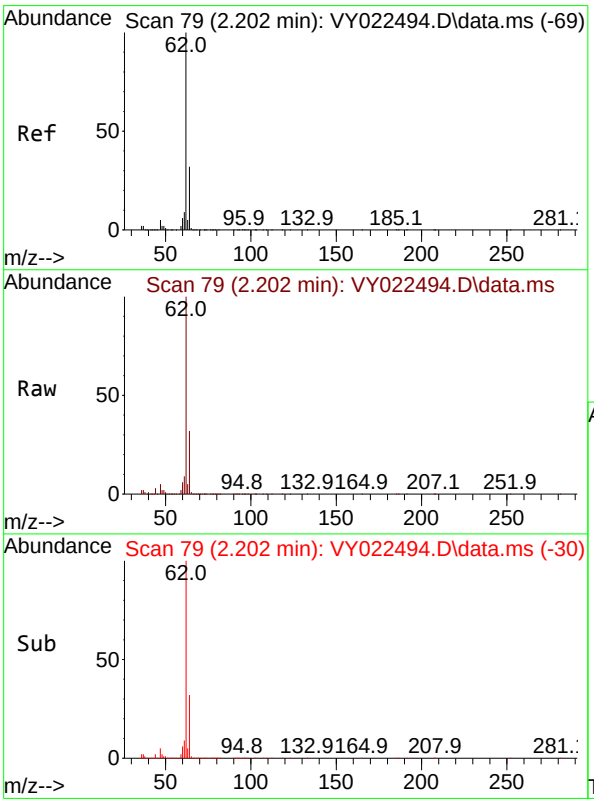
Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

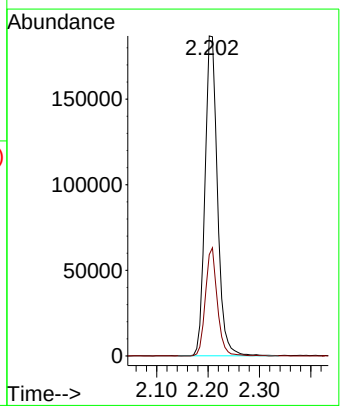
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

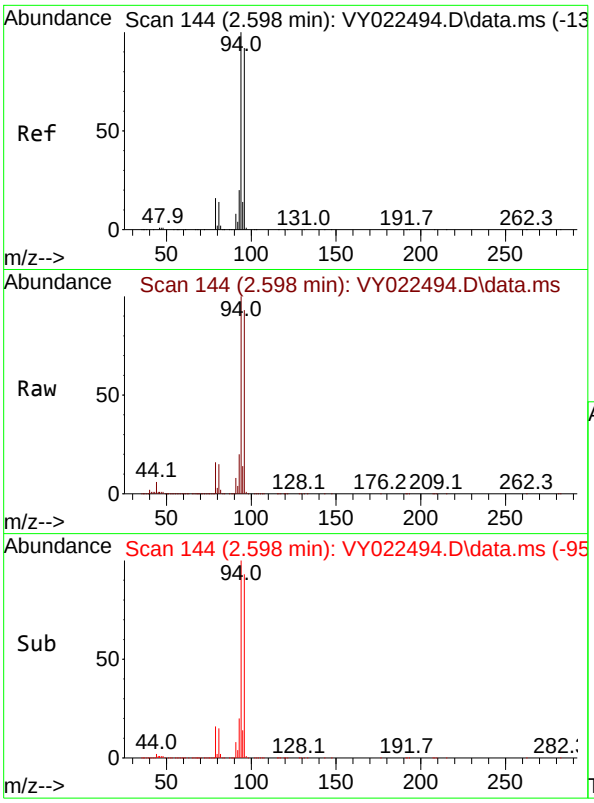


#4
Vinyl Chloride
Concen: 49.618 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 62 Resp: 314332

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.3	37.9

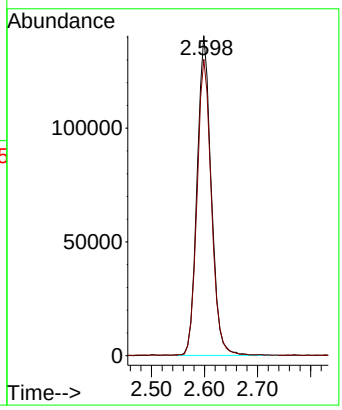




#5
Bromomethane
Concen: 43.463 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 94 Resp: 26044

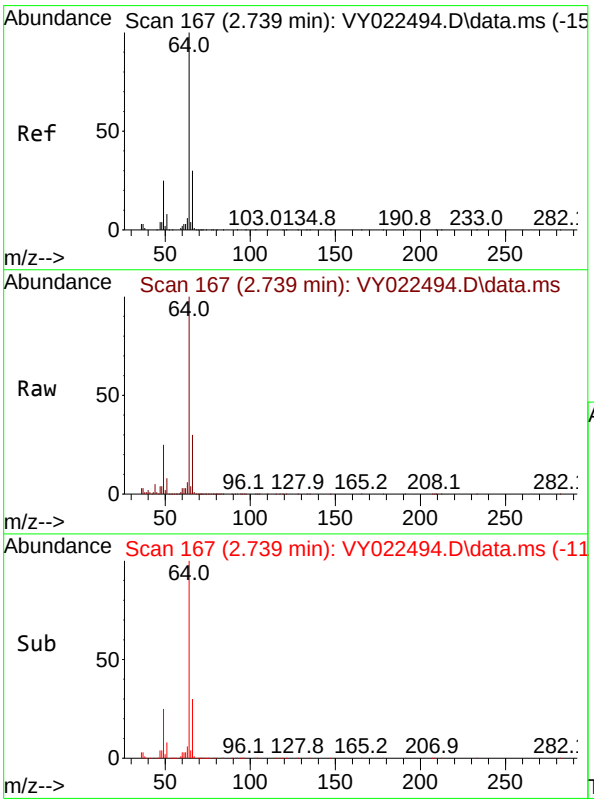
Ion	Ratio	Lower	Upper
94	100		
96	92.5	74.0	111.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

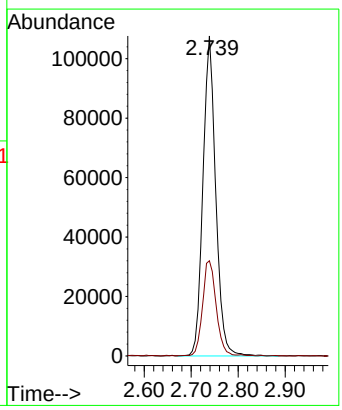
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

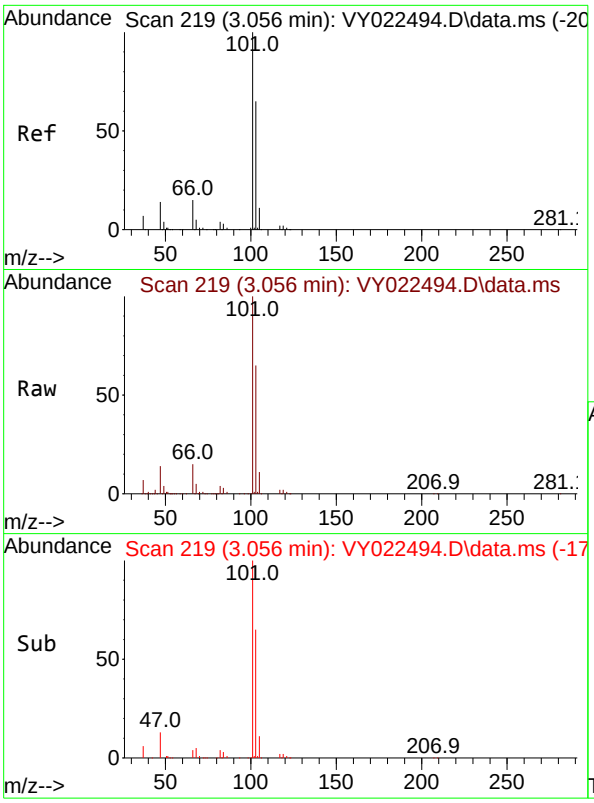


#6
Chloroethane
Concen: 46.711 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 64 Resp: 202595

Ion	Ratio	Lower	Upper
64	100		
66	29.7	23.8	35.6

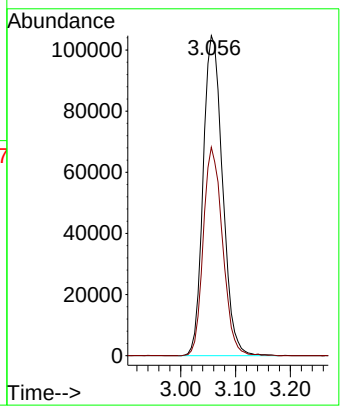




#7
Trichlorofluoromethane
Concen: 47.749 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:101 Resp: 25700

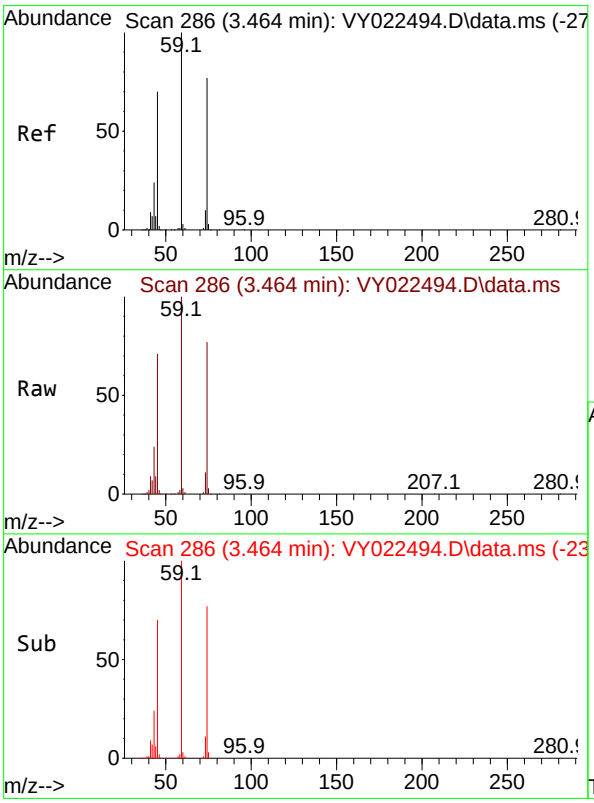
Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

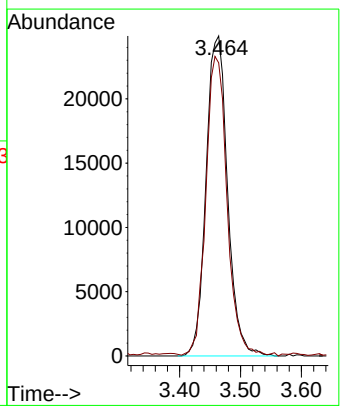
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

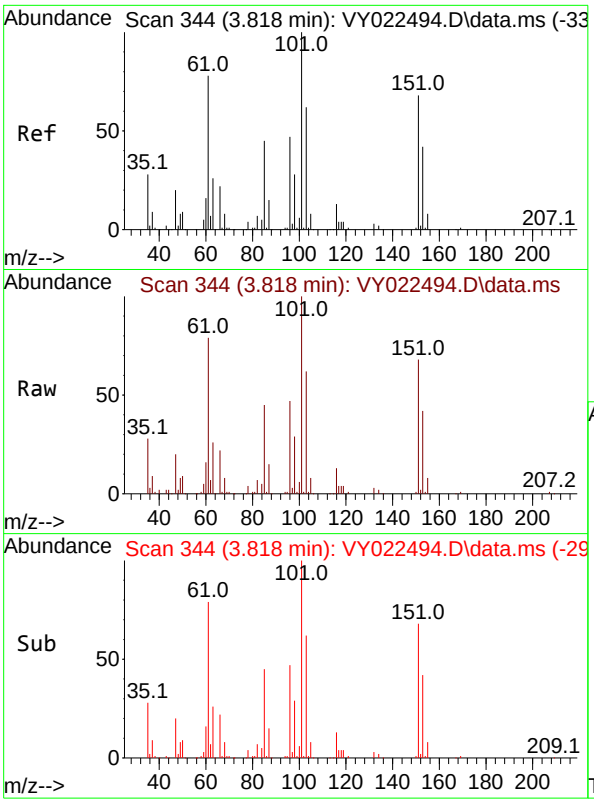


#8
Diethyl Ether
Concen: 51.349 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 74 Resp: 61045

Ion	Ratio	Lower	Upper
74	100		
45	91.7	45.9	137.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.009 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

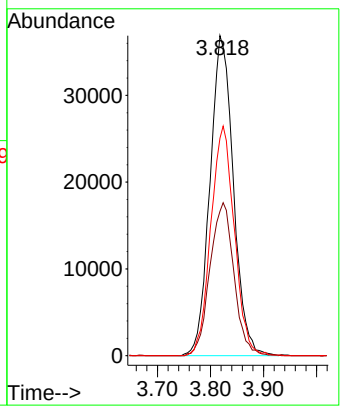
Tgt Ion:101 Resp: 11291

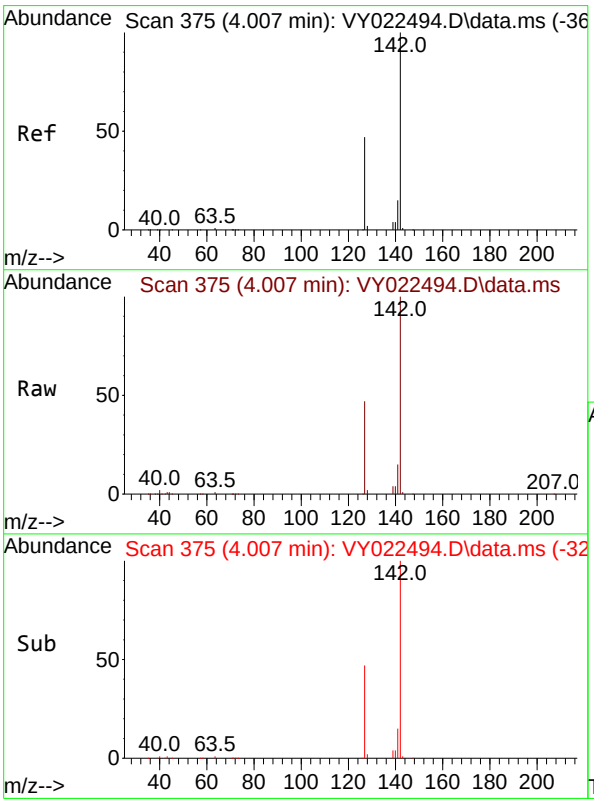
Ion	Ratio	Lower	Upper
101	100		
85	49.1	39.3	58.9
151	72.3	57.8	86.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

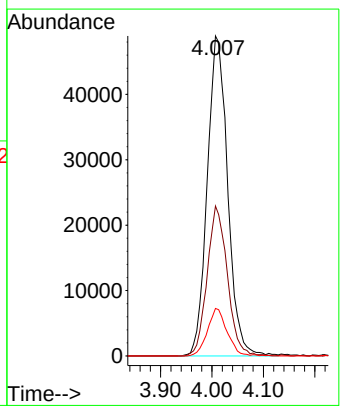


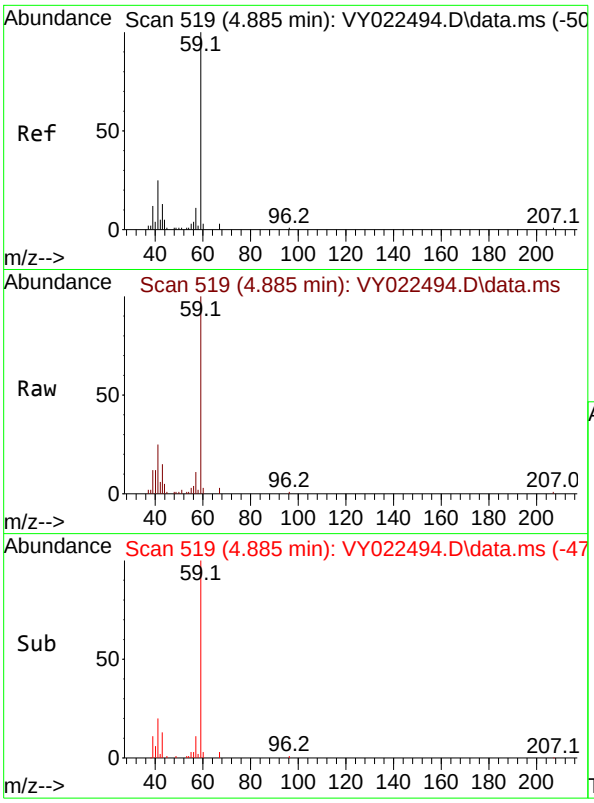


#10
Methyl Iodide
Concen: 55.855 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:142 Resp: 135237

Ion	Ratio	Lower	Upper
142	100		
127	46.4	37.1	55.7
141	14.3	11.4	17.2

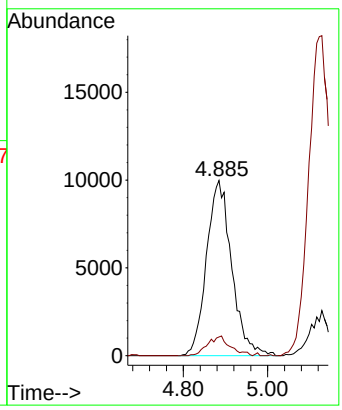




#11
Tert butyl alcohol
Concen: 253.096 ug/l
RT: 4.885 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 59 Resp: 4130

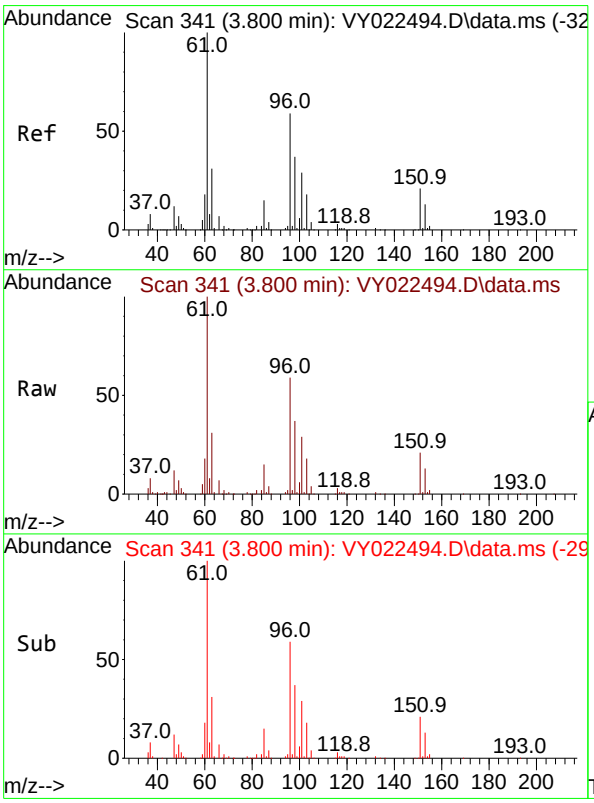
Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.0	12.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

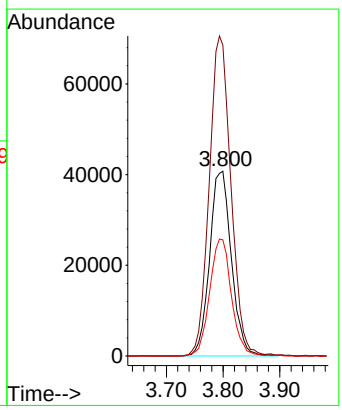
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

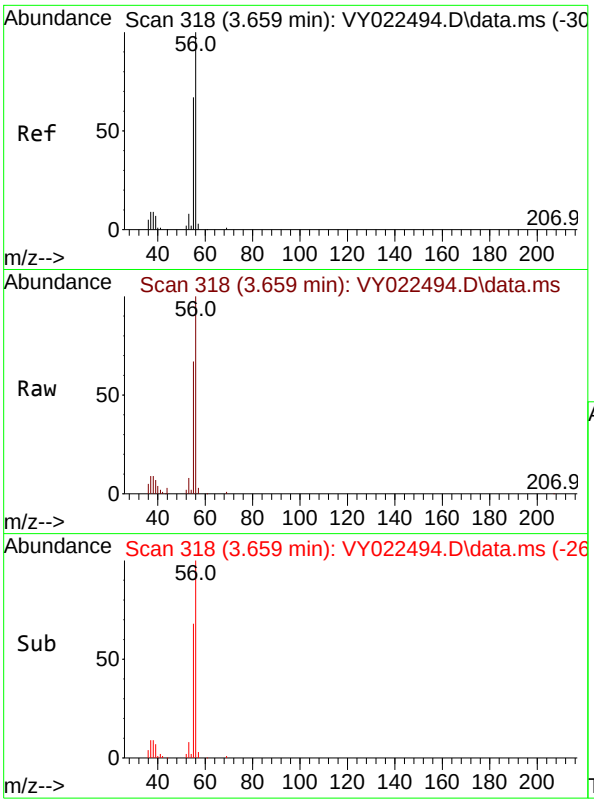


#12
1,1-Dichloroethene
Concen: 50.463 ug/l
RT: 3.800 min Scan# 341
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 96 Resp: 108756

Ion	Ratio	Lower	Upper
96	100		
61	168.2	134.6	201.8
98	62.8	50.2	75.4

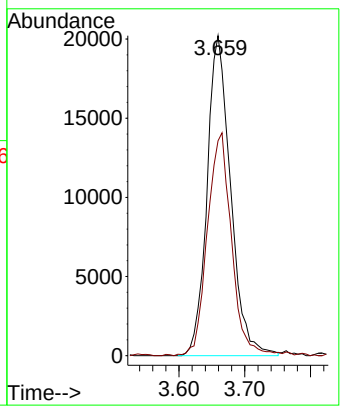




#13
Acrolein
Concen: 252.946 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 56 Resp: 5038

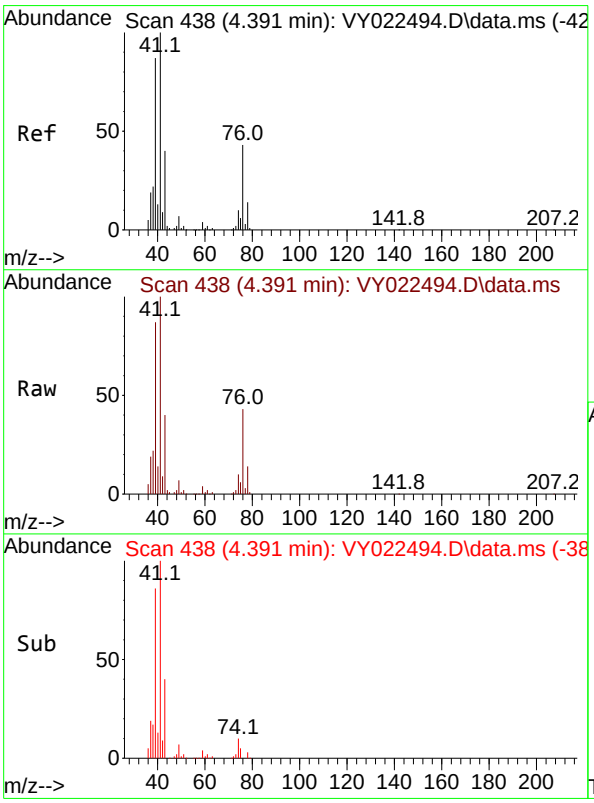
Ion	Ratio	Lower	Upper
56	100		
55	71.3	57.0	85.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

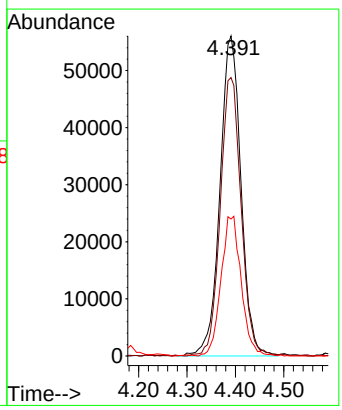
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

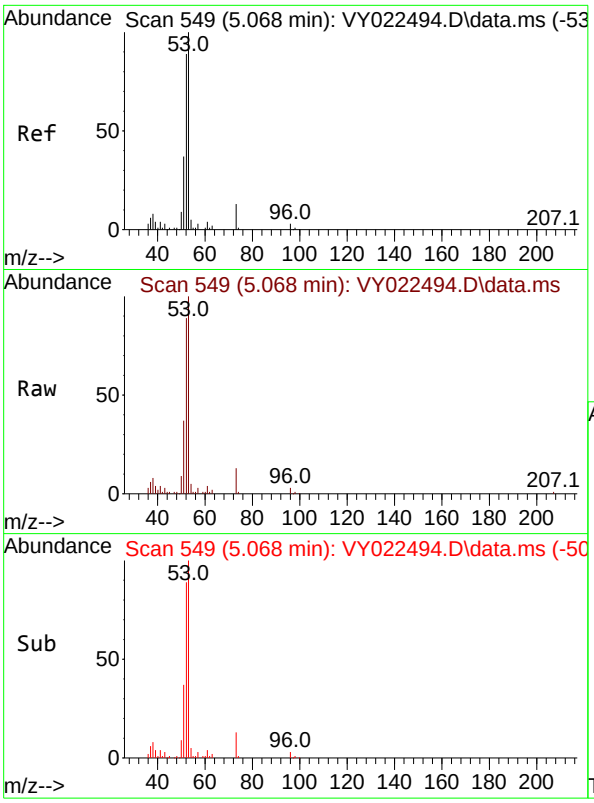


#14
Allyl chloride
Concen: 50.399 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 41 Resp: 169258

Ion	Ratio	Lower	Upper
41	100		
39	86.4	69.1	103.7
76	41.9	33.5	50.3

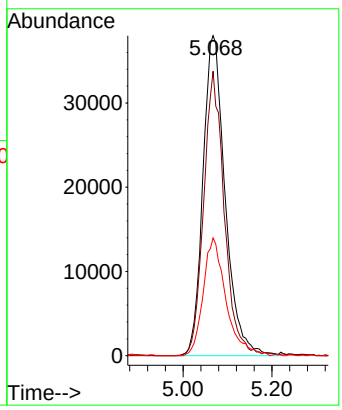




#15
Acrylonitrile
Concen: 261.075 ug/l
RT: 5.068 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 53 Resp: 13201

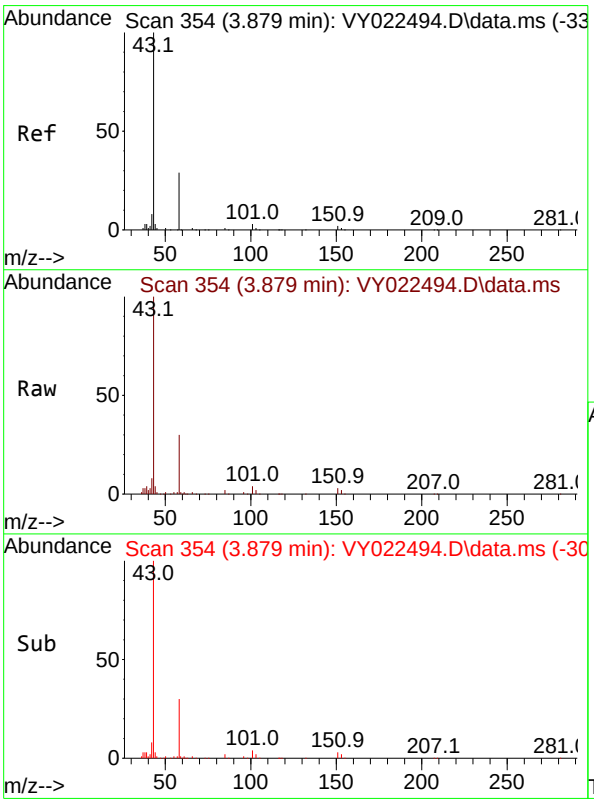
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	37.6	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

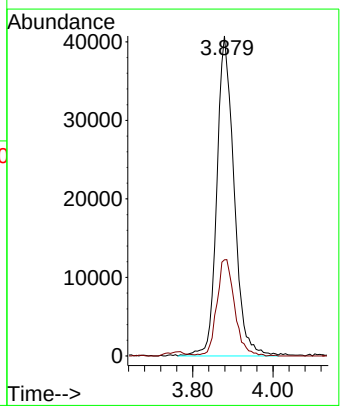
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

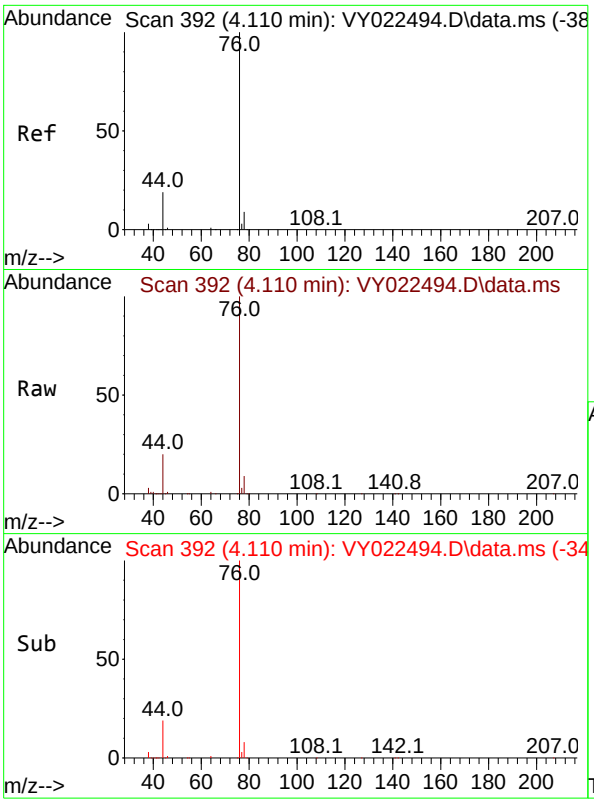


#16
Acetone
Concen: 269.036 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 121507

Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.0	36.0

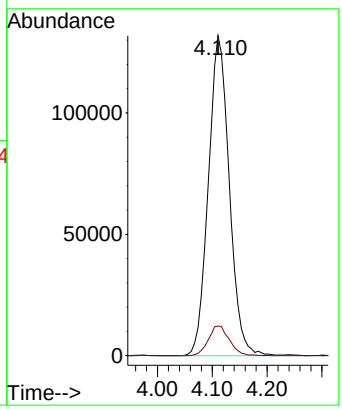




#17
Carbon Disulfide
Concen: 50.769 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 76 Resp: 34934

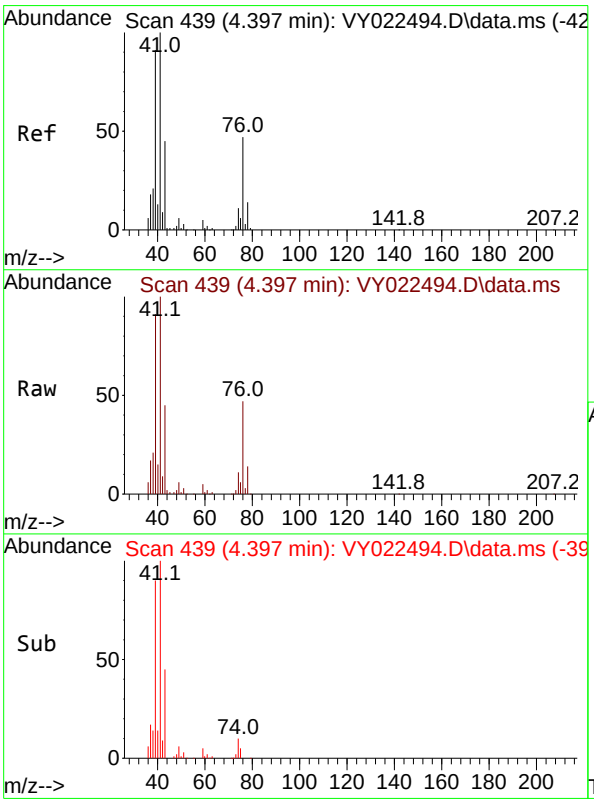
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

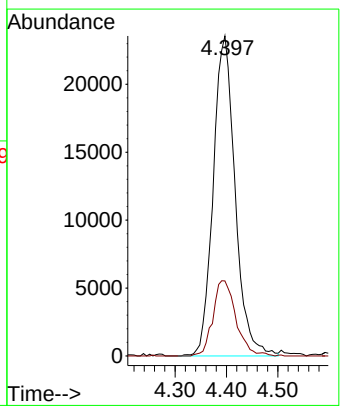
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

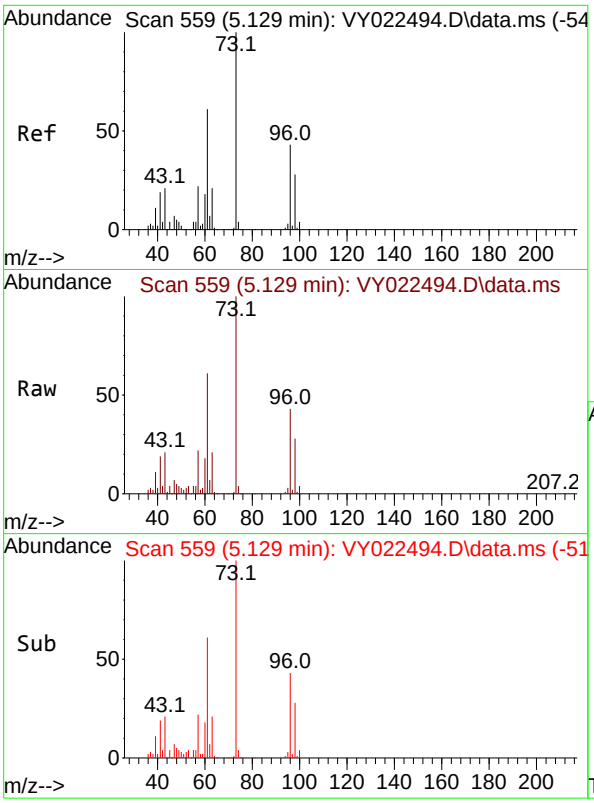


#18
Methyl Acetate
Concen: 51.384 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 69815

Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.8	29.6

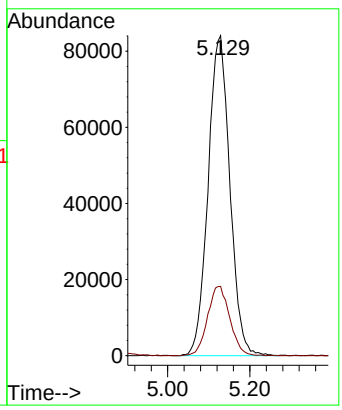




#19
Methyl tert-butyl Ether
Concen: 51.316 ug/l
RT: 5.129 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 73 Resp: 30857

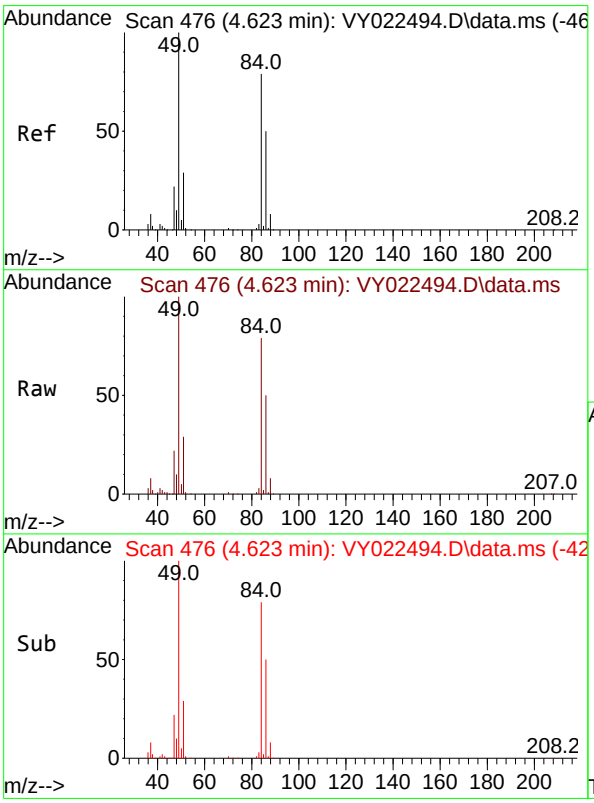
Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

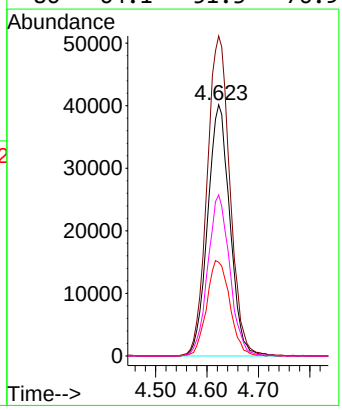
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

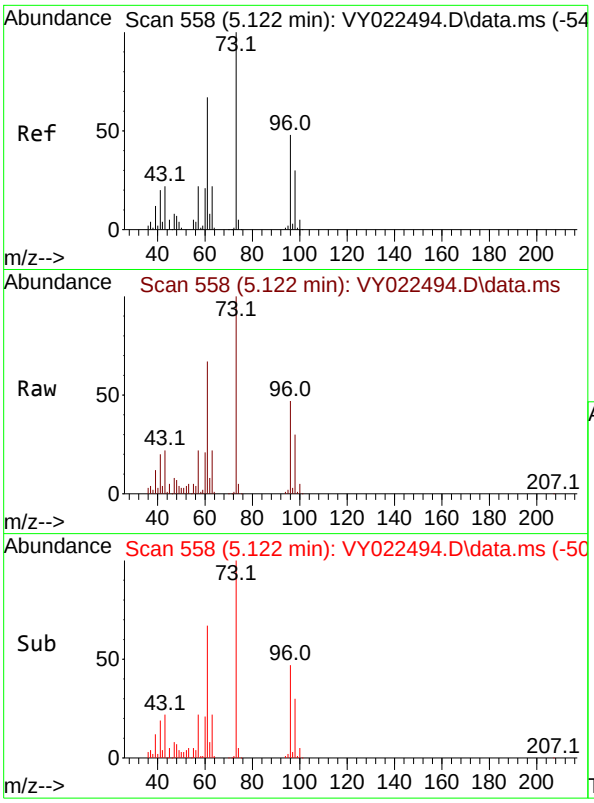


#20
Methylene Chloride
Concen: 47.810 ug/l
RT: 4.623 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 84 Resp: 120562

Ion	Ratio	Lower	Upper
84	100		
49	127.4	101.9	152.9
51	37.3	29.8	44.8
86	64.1	51.3	76.9





#21
trans-1,2-Dichloroethene
Concen: 49.807 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

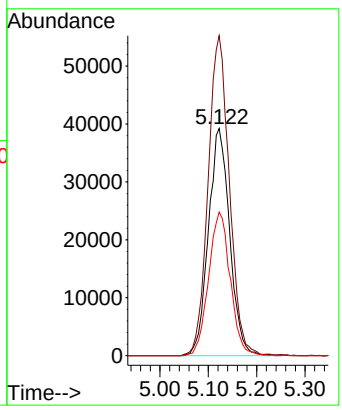
Tgt Ion: 96 Resp: 11991

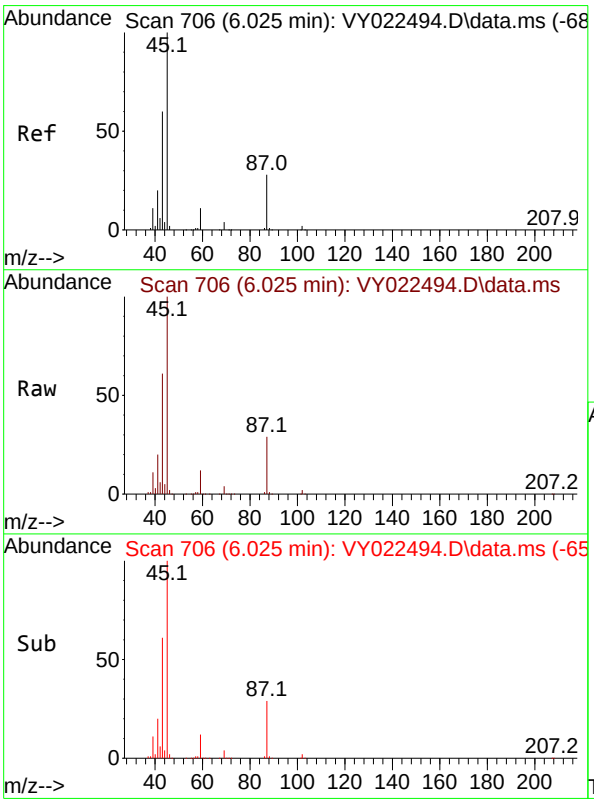
Ion	Ratio	Lower	Upper
96	100		
61	140.8	112.6	169.0
98	63.2	50.6	75.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

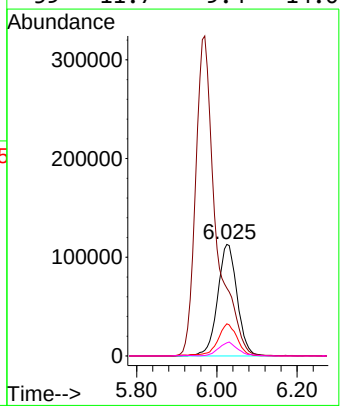


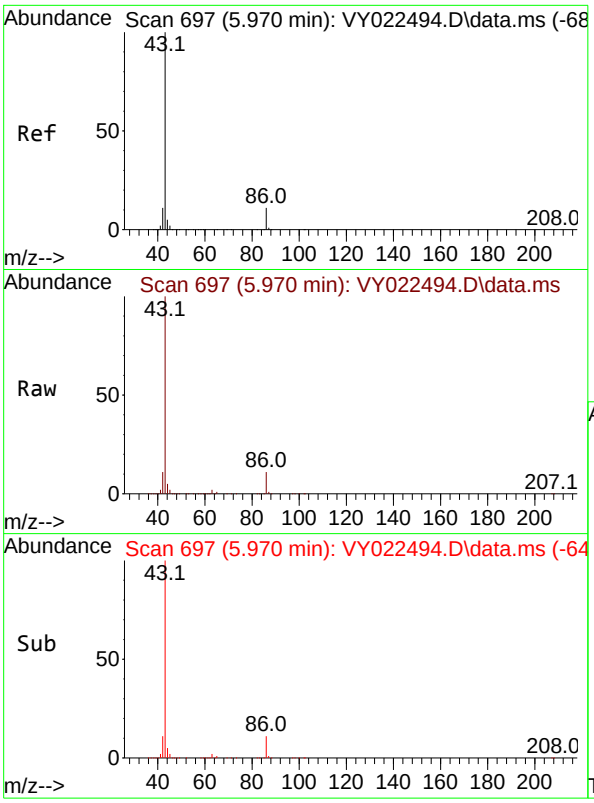


#22
Diisopropyl ether
Concen: 51.120 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 45 Resp: 381760

Ion	Ratio	Lower	Upper
45	100		
43	60.4	48.3	72.5
87	28.8	23.0	34.6
59	11.7	9.4	14.0

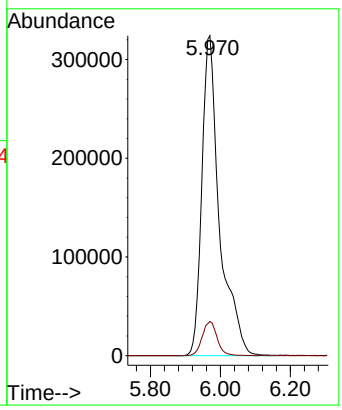




#23
Vinyl Acetate
Concen: 256.734 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 113741

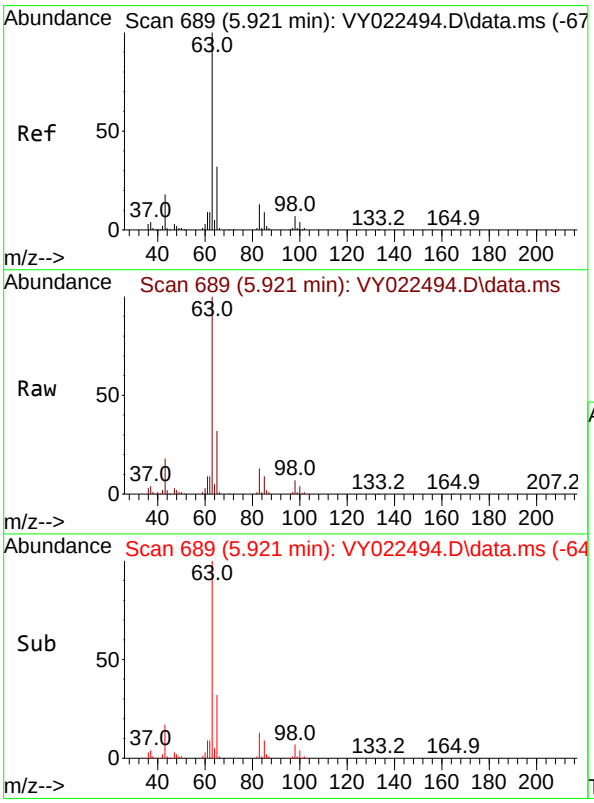
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

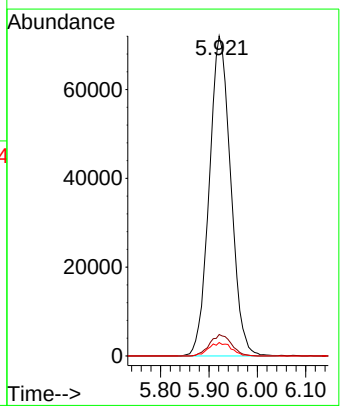
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

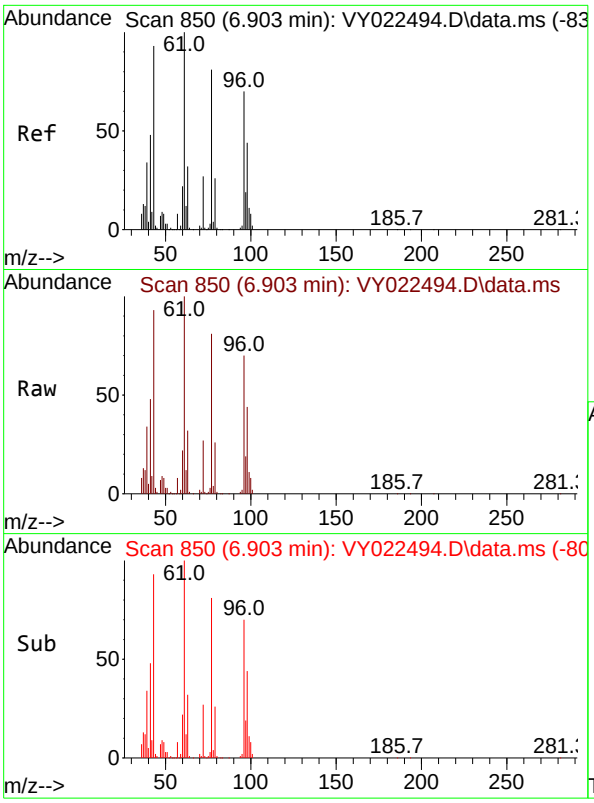


#24
1,1-Dichloroethane
Concen: 50.410 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 63 Resp: 222533

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.1
100	4.2	2.1	6.3

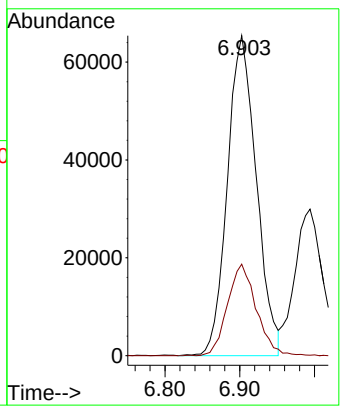




#25
2-Butanone
Concen: 264.461 ug/l
RT: 6.903 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 17618

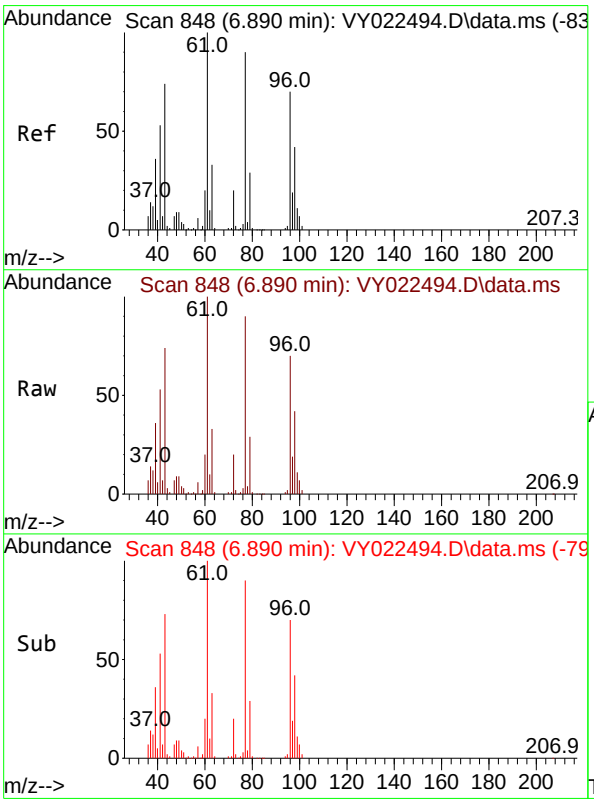
Ion	Ratio	Lower	Upper
43	100		
72	28.6	22.9	34.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

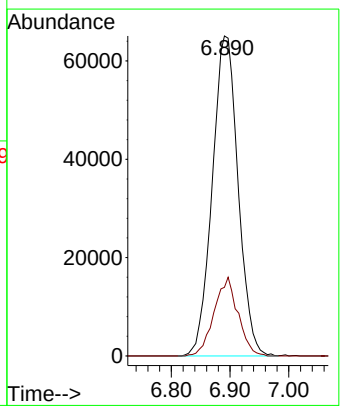
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

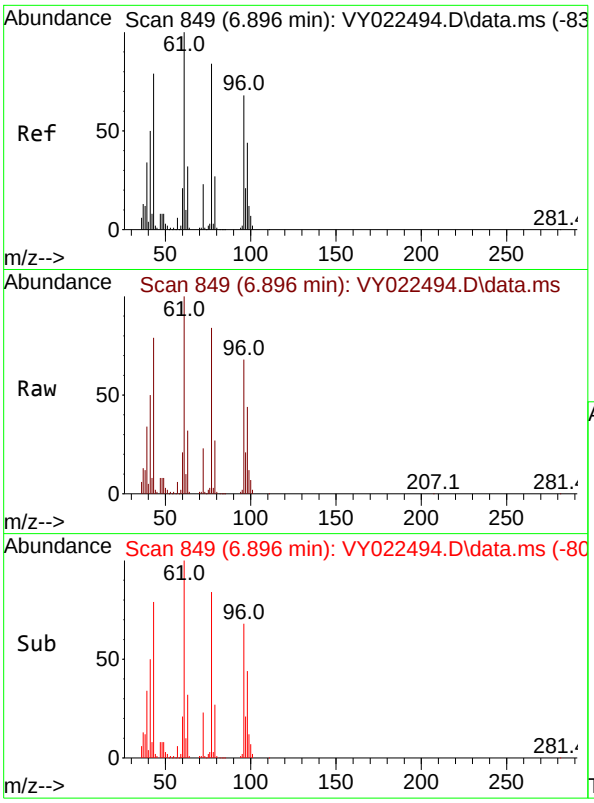


#26
2,2-Dichloropropane
Concen: 50.650 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 77 Resp: 198763

Ion	Ratio	Lower	Upper
77	100		
97	22.8	11.4	34.2





#27
cis-1,2-Dichloroethene
Concen: 51.463 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

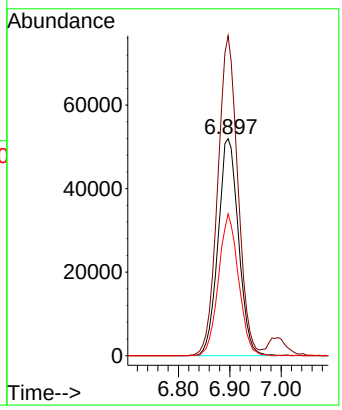
Tgt Ion: 96 Resp: 14321

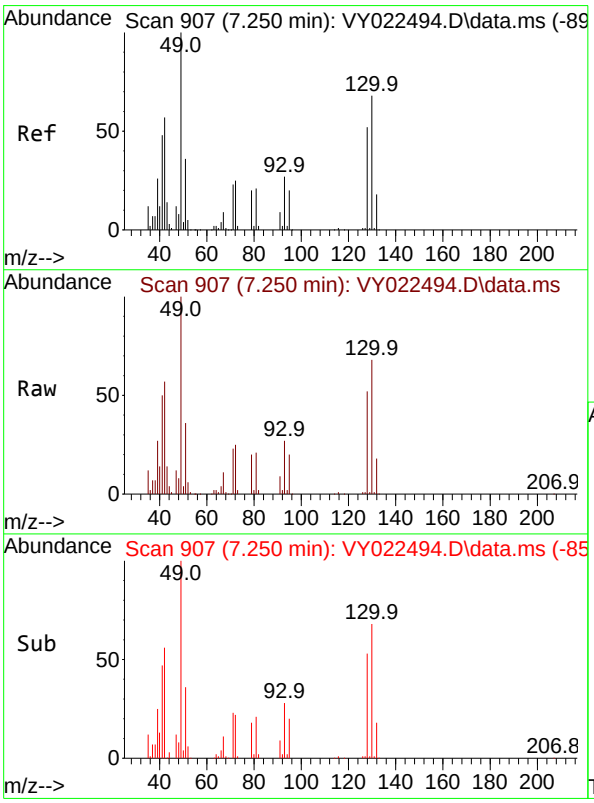
Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	290.0
98	64.2	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

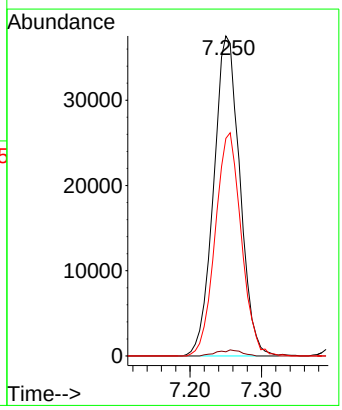


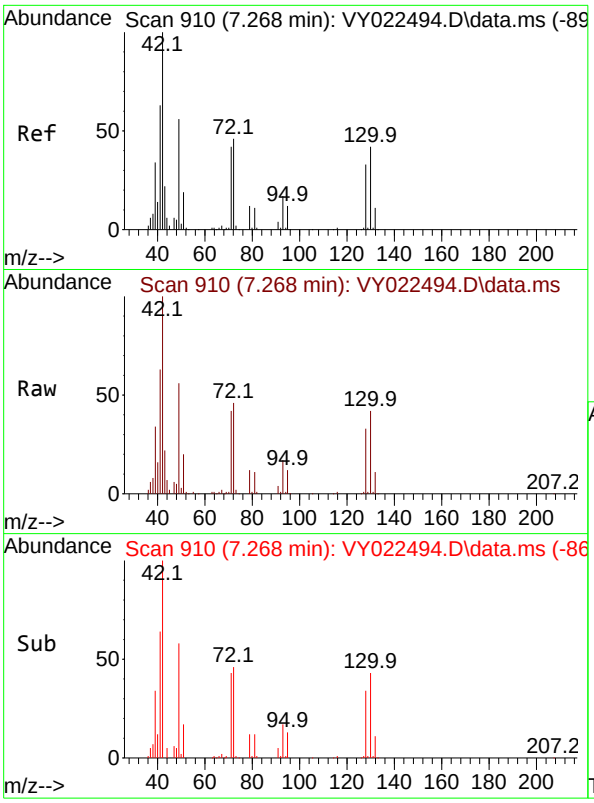


#28
Bromochloromethane
Concen: 50.015 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 49 Resp: 95397

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	69.6	55.7	83.5

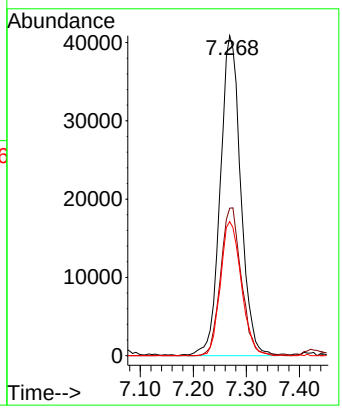




#29
Tetrahydrofuran
Concen: 255.247 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 42 Resp: 10969

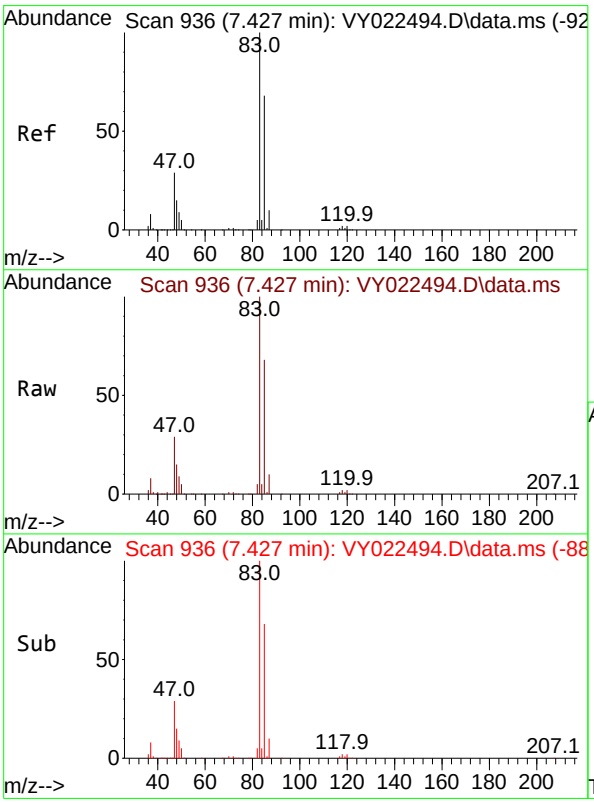
Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.4	56.2
71	42.7	34.2	51.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

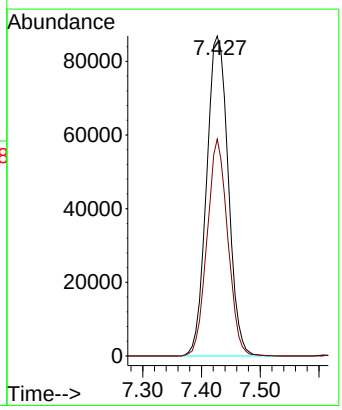
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

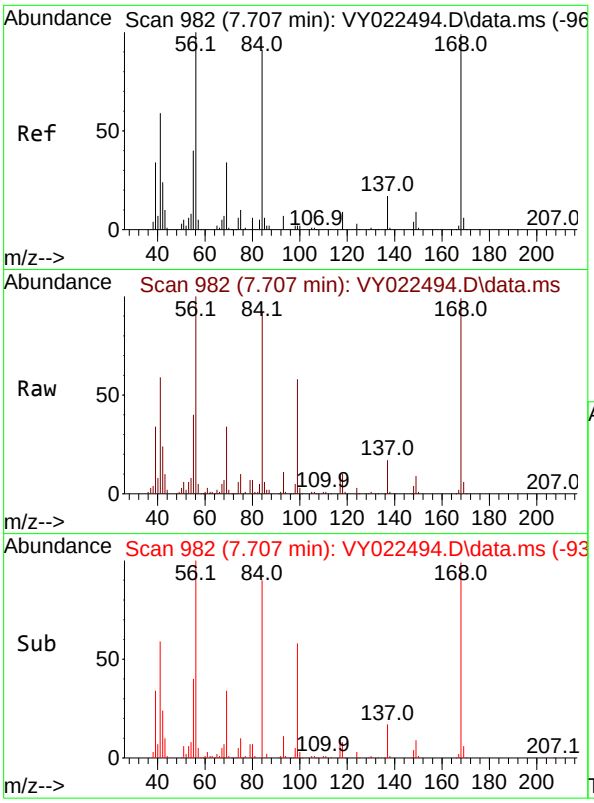


#30
Chloroform
Concen: 50.944 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 83 Resp: 222226

Ion	Ratio	Lower	Upper
83	100		
85	67.8	54.2	81.4

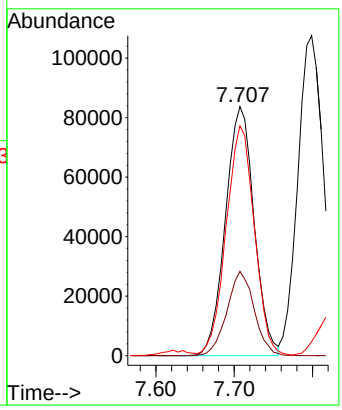




#31
Cyclohexane
Concen: 47.951 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 56 Resp: 21303

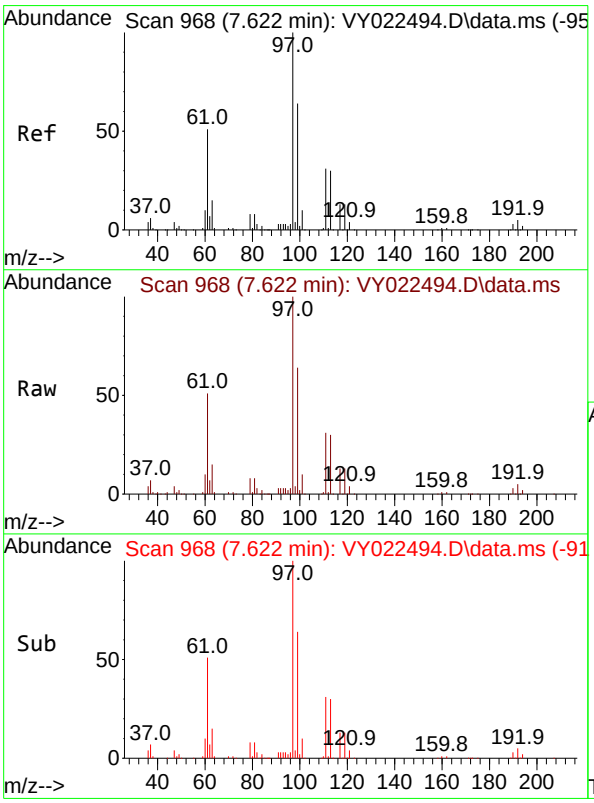
Ion	Ratio	Lower	Upper
56	100		
69	33.8	27.0	40.6
84	90.8	72.6	109.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

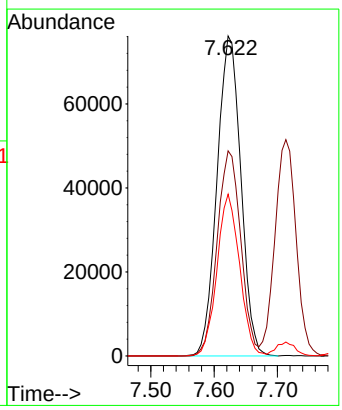
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

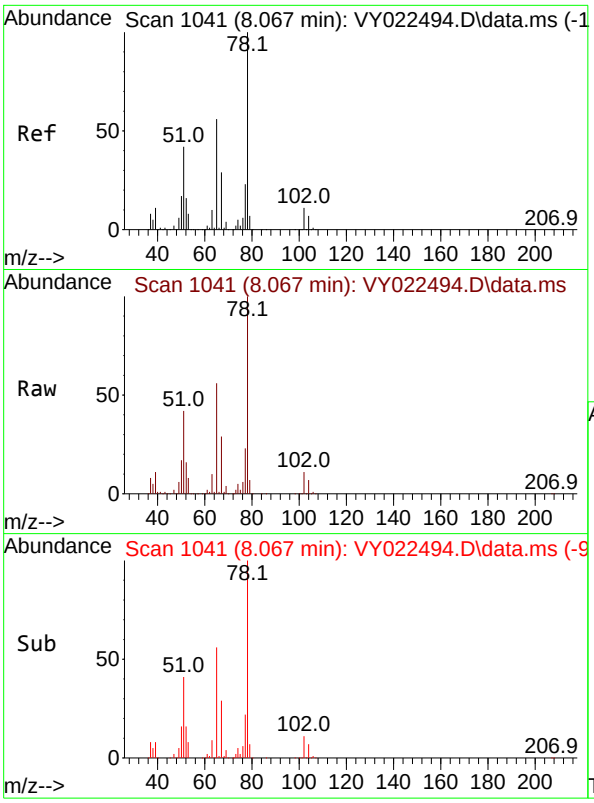


#32
1,1,1-Trichloroethane
Concen: 51.074 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 97 Resp: 199103

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.9	76.3
61	48.1	38.5	57.7

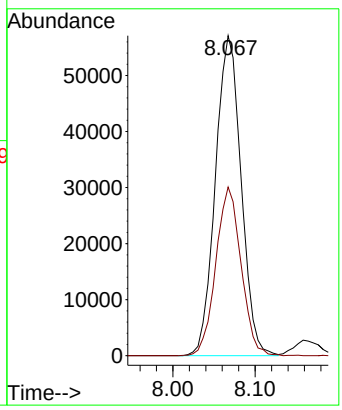




#33
1,2-Dichloroethane-d4
Concen: 54.320 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 65 Resp: 12409

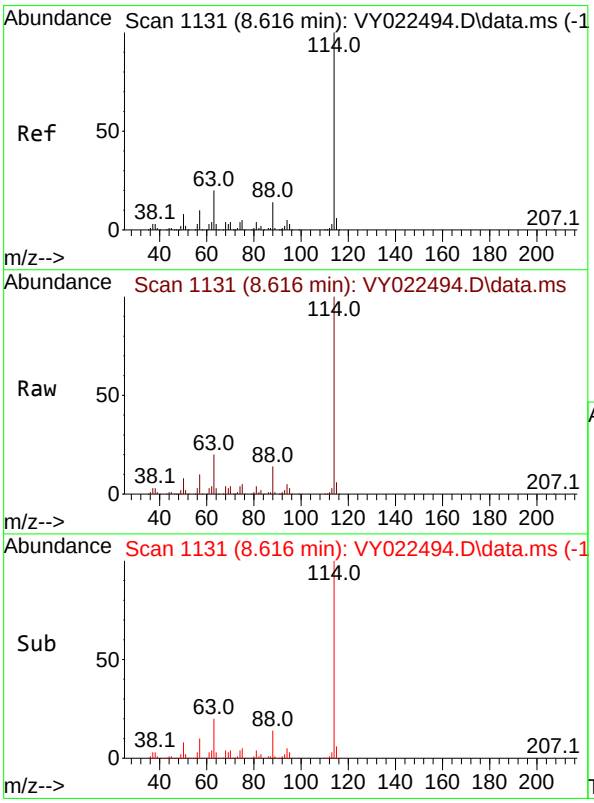
Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

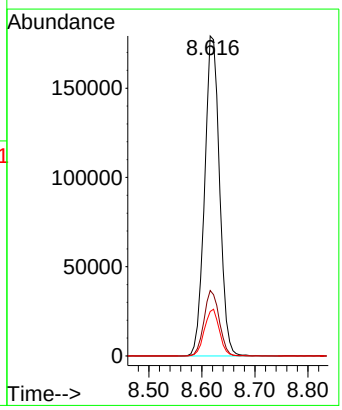
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

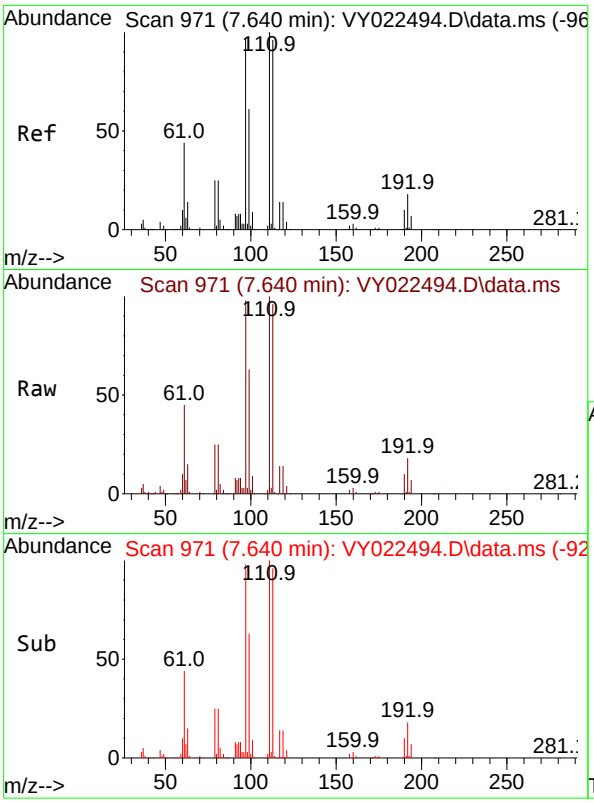


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:114 Resp: 350947

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	13.9	0.0	27.8





#35
Dibromofluoromethane
Concen: 54.514 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

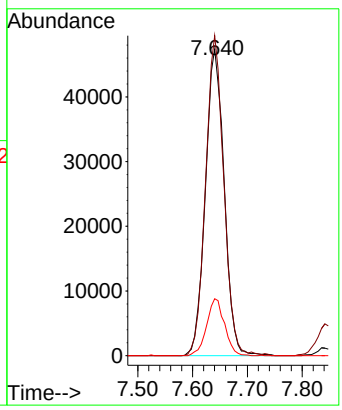
Tgt Ion:113 Resp: 11262

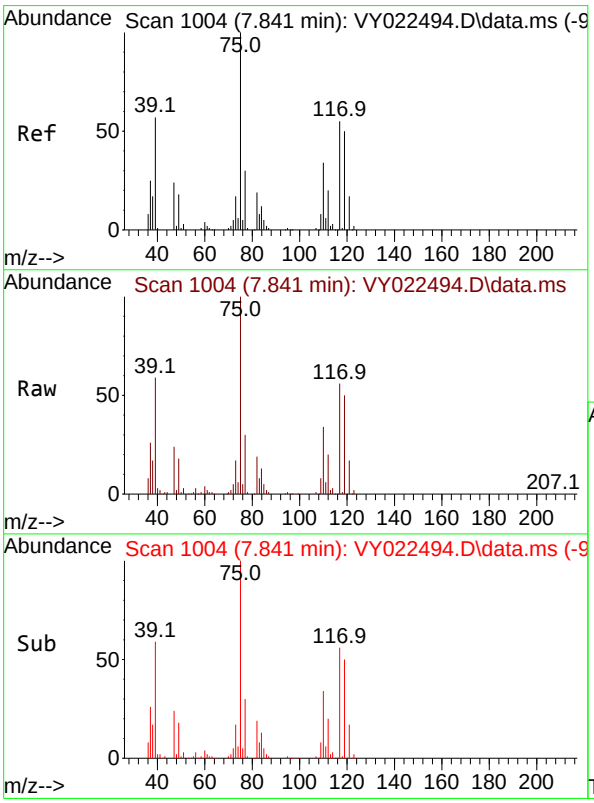
Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.1	121.7
192	17.7	14.2	21.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

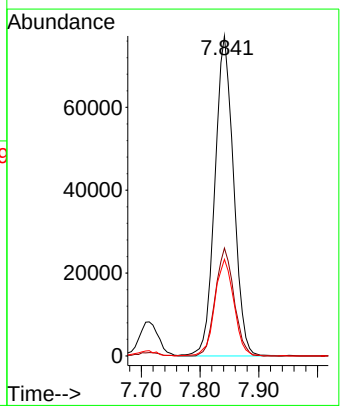


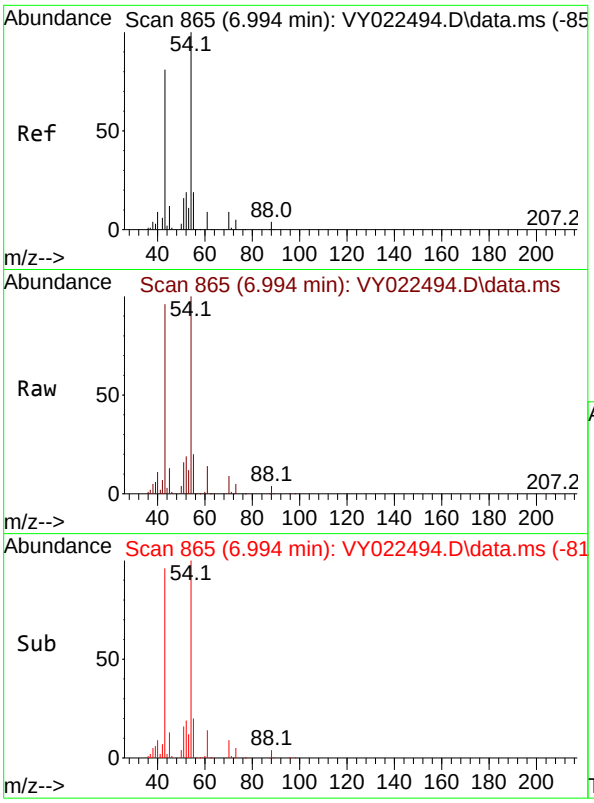


#36
1,1-Dichloropropene
Concen: 51.116 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 170708

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.7
77	31.0	24.8	37.2





#37
Ethyl Acetate
Concen: 54.721 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

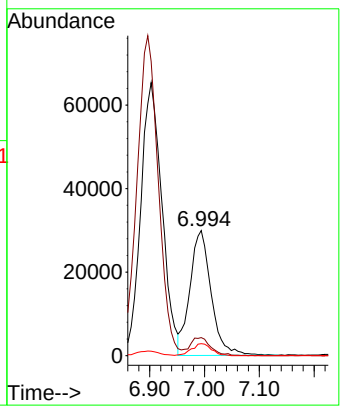
Tgt Ion: 43 Resp: 8042

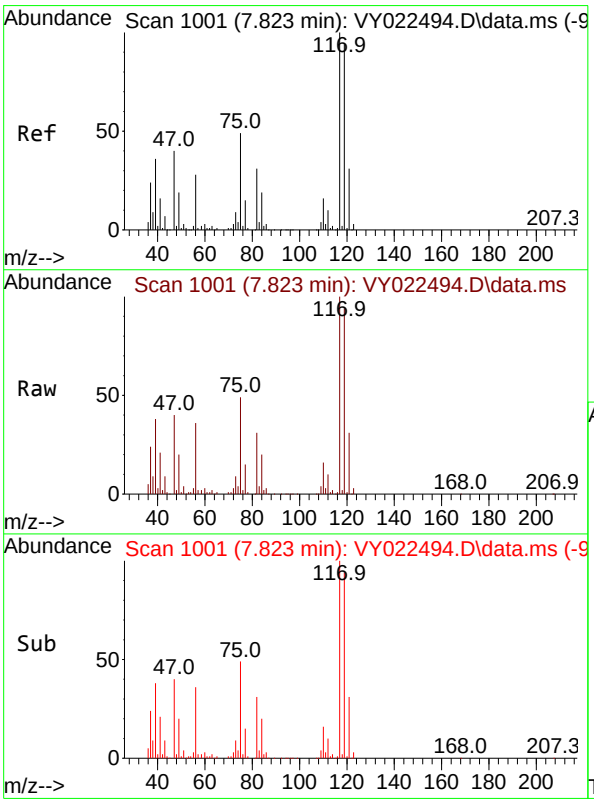
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	9.0	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

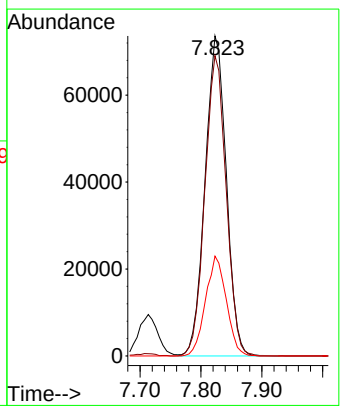


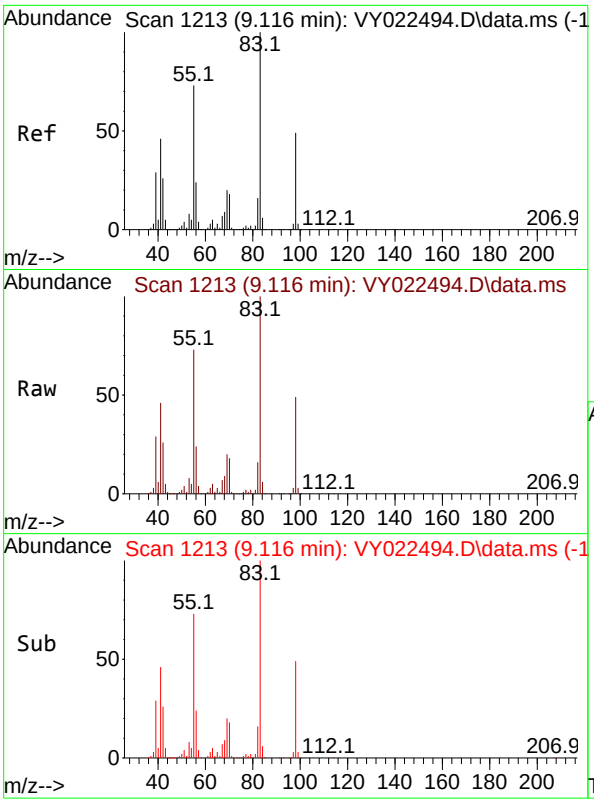


#38
Carbon Tetrachloride
Concen: 51.787 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:117 Resp: 178292

Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.0	112.6
121	31.2	25.0	37.4





#39
Methylcyclohexane
Concen: 51.100 ug/l
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

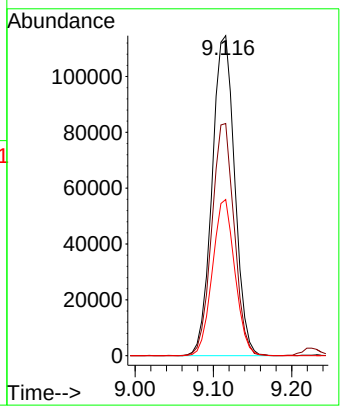
Tgt Ion: 83 Resp: 23053

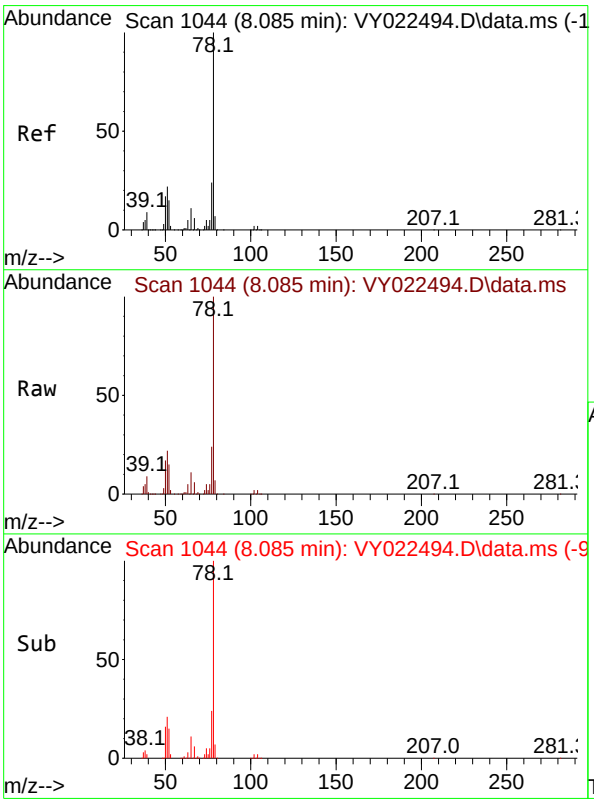
Ion	Ratio	Lower	Upper
83	100		
55	72.6	58.1	87.1
98	48.8	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

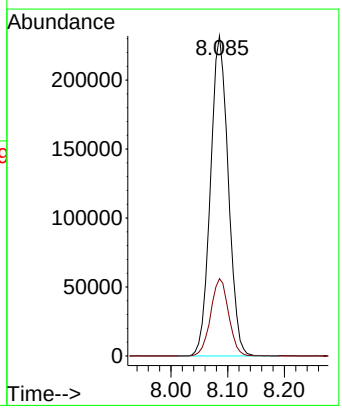


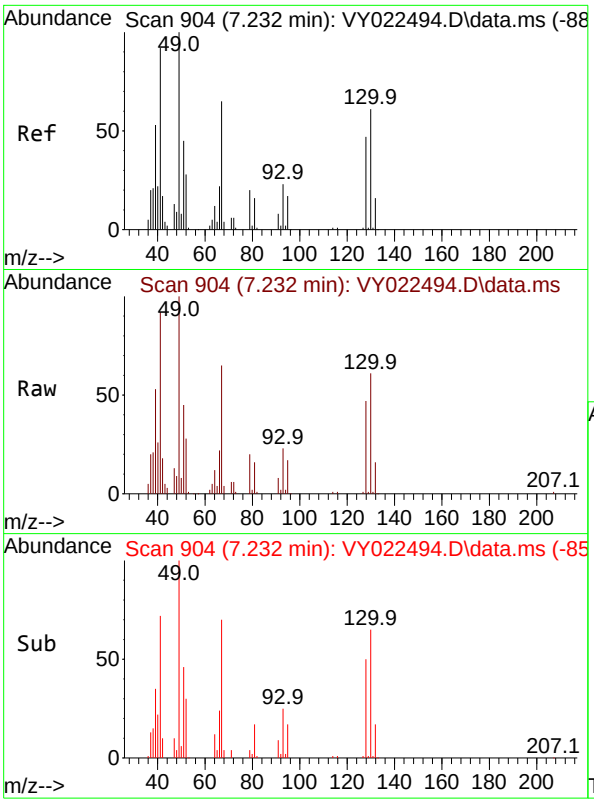


#40
Benzene
Concen: 51.376 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 78 Resp: 505749

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9

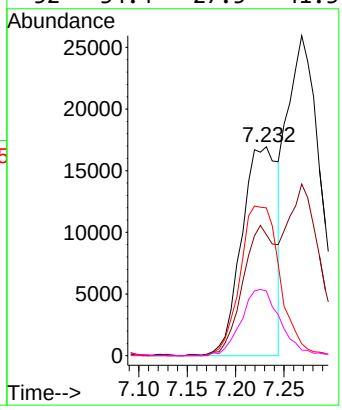




#41
Methacrylonitrile
Concen: 46.342 ug/l
RT: 7.232 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 41 Resp: 4386

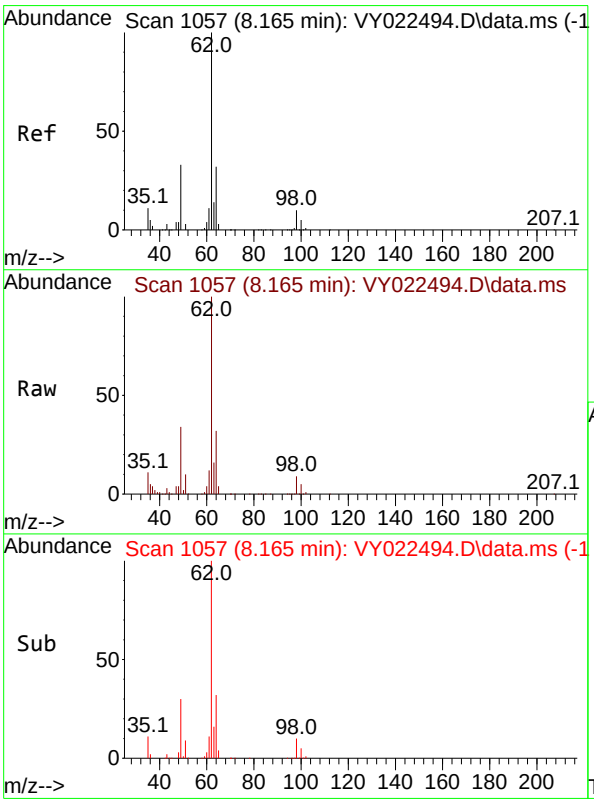
Ion	Ratio	Lower	Upper
41	100		
39	58.2	46.6	69.8
67	79.1	63.3	94.9
52	34.4	27.5	41.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

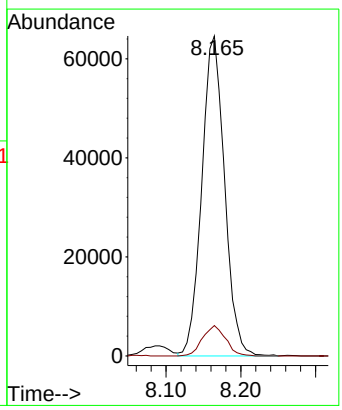
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

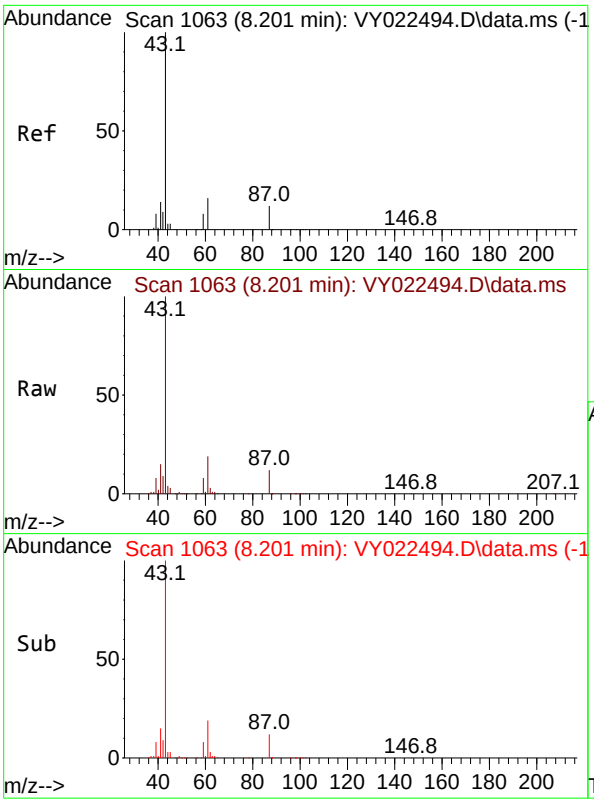


#42
1,2-Dichloroethane
Concen: 51.114 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 62 Resp: 136876

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.2

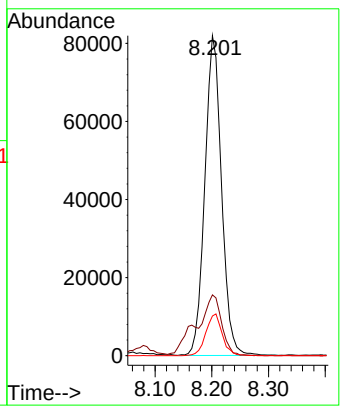




#43
Isopropyl Acetate
Concen: 52.237 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 16777

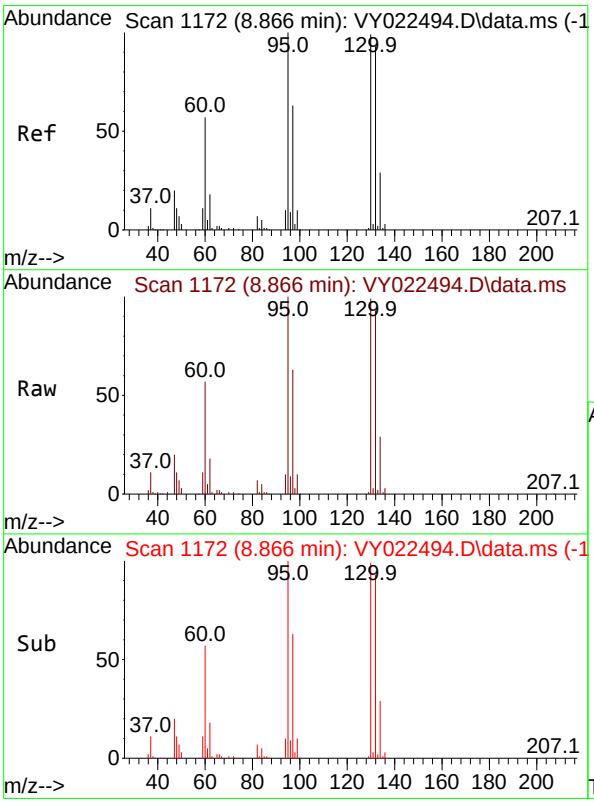
Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.6	23.4
87	12.8	10.2	15.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

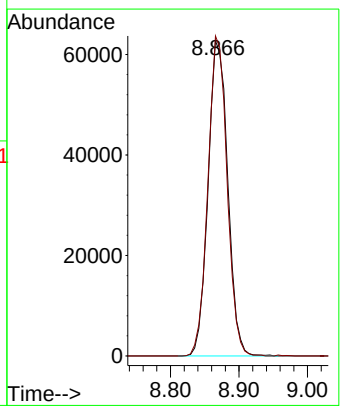
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

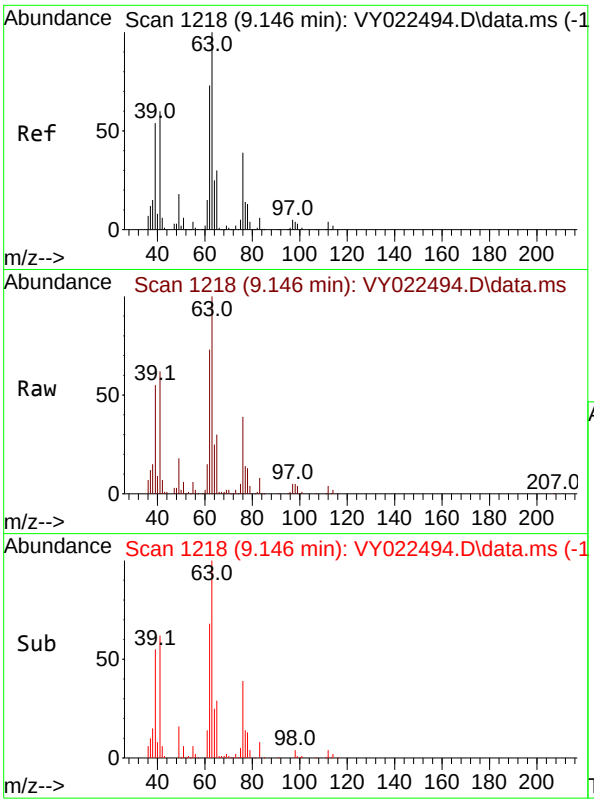


#44
Trichloroethene
Concen: 51.843 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:130 Resp: 124670

Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	203.0





#45
1,2-Dichloropropane
Concen: 51.415 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

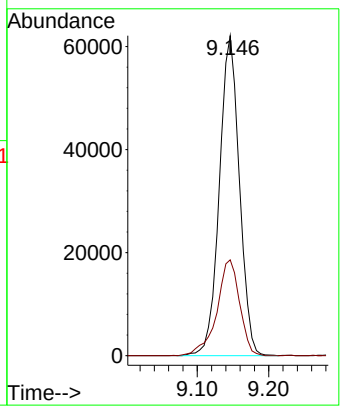
Tgt Ion: 63 Resp: 12066

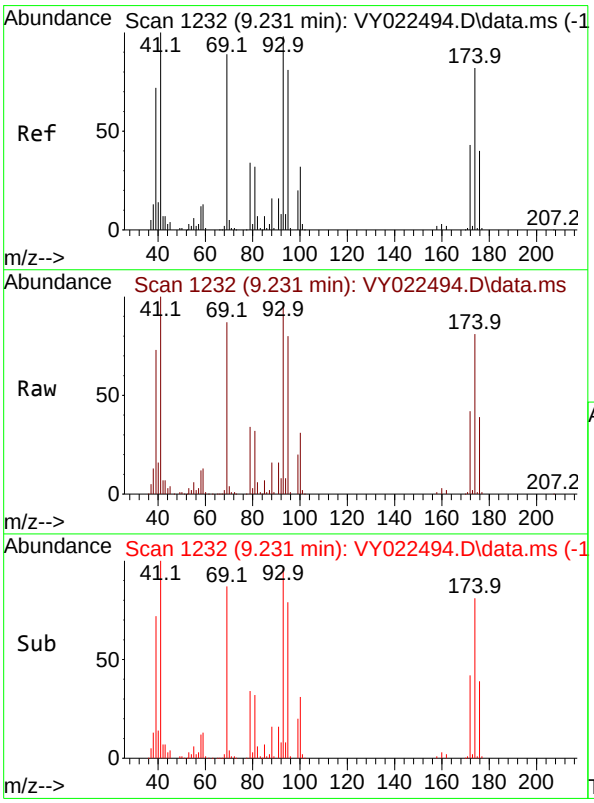
Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.0	36.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

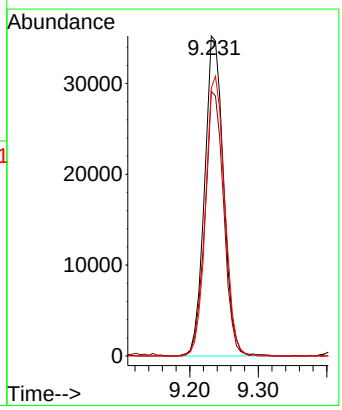


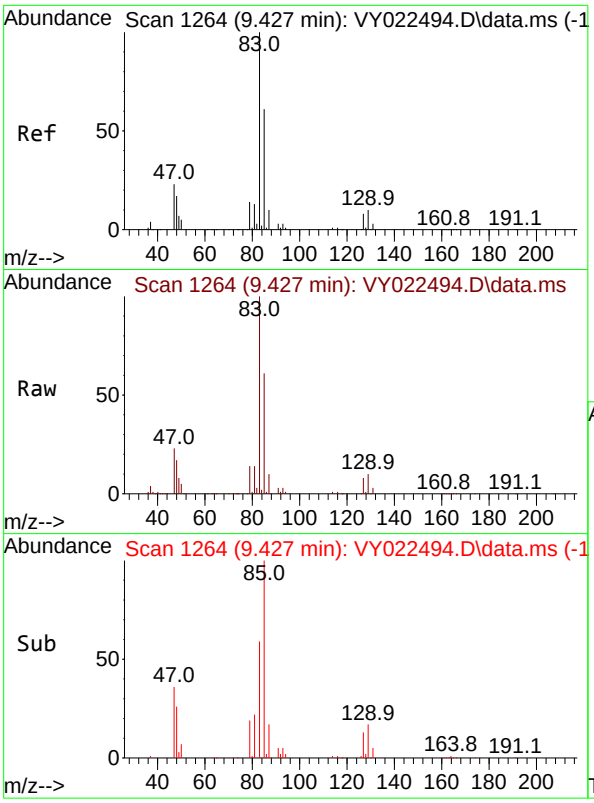


#46
Dibromomethane
Concen: 51.485 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 93 Resp: 67690

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.6	98.4
174	88.0	70.4	105.6

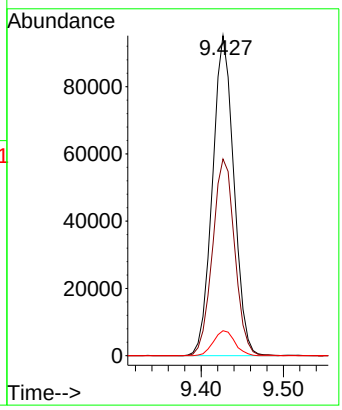




#47
Bromodichloromethane
Concen: 51.664 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 83 Resp: 17234

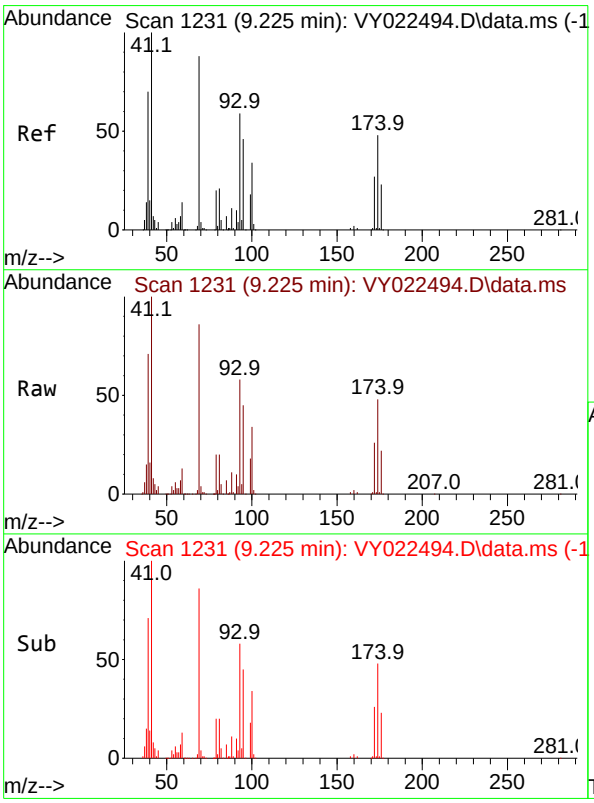
Ion	Ratio	Lower	Upper
83	100		
85	61.4	49.1	73.7
127	7.8	6.2	9.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

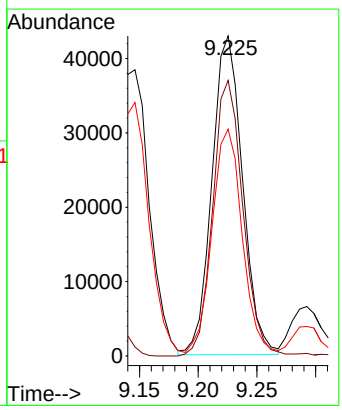
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

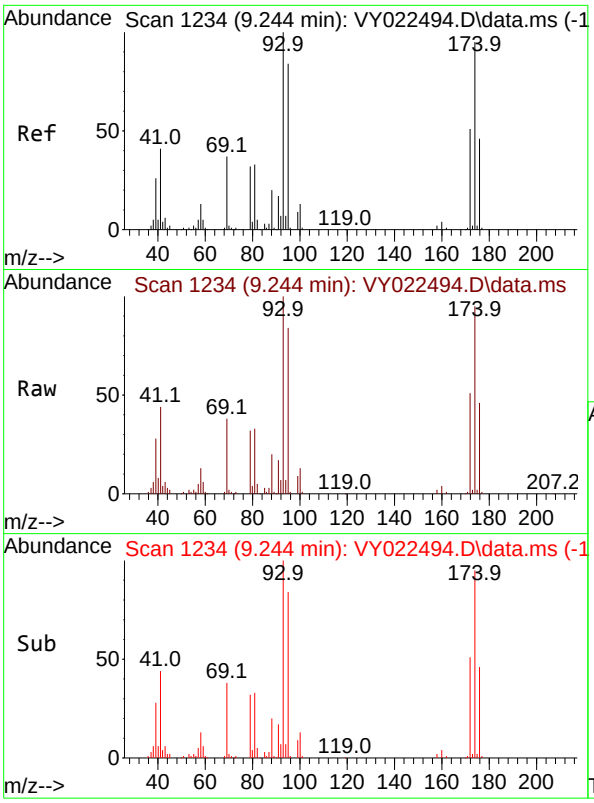


#48
Methyl methacrylate
Concen: 52.963 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 41 Resp: 77885

Ion	Ratio	Lower	Upper
41	100		
69	84.8	67.8	101.8
39	68.7	55.0	82.4

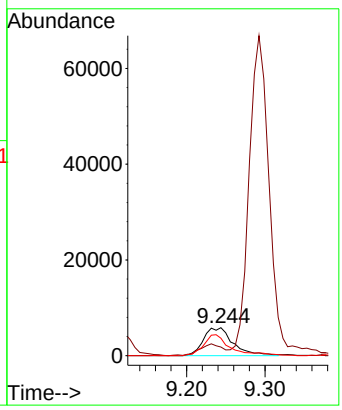




#49
1,4-Dioxane
Concen: 977.637 ug/l
RT: 9.244 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 88 Resp: 1533

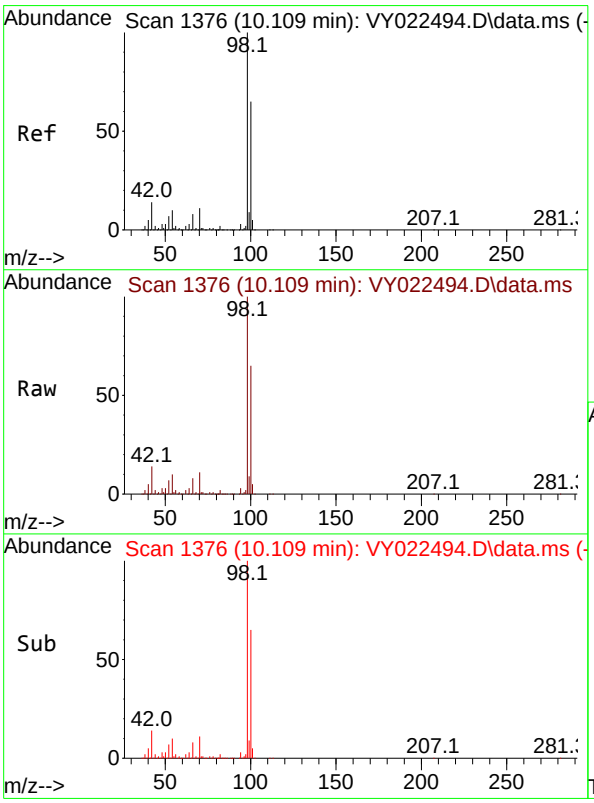
Ion	Ratio	Lower	Upper
88	100		
43	31.8	25.4	38.2
58	68.6	54.9	82.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

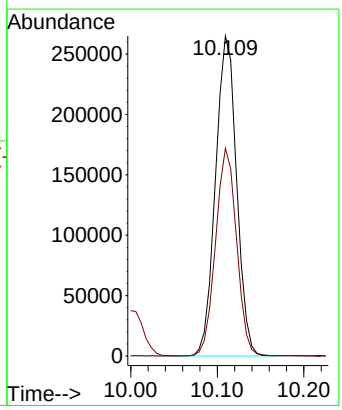
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

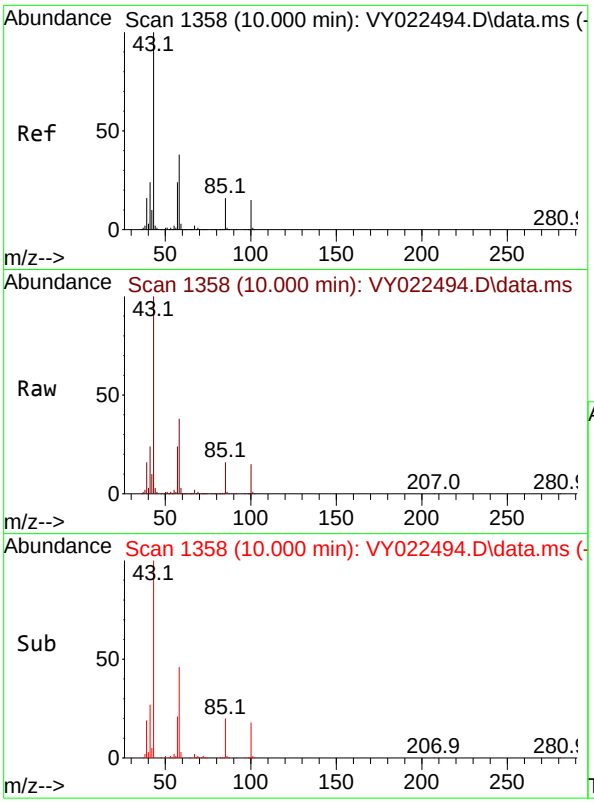


#50
Toluene-d8
Concen: 53.734 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 98 Resp: 448690

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.0

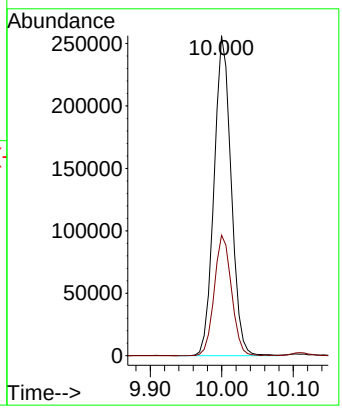




#51
4-Methyl-2-Pentanone
Concen: 267.154 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 42586

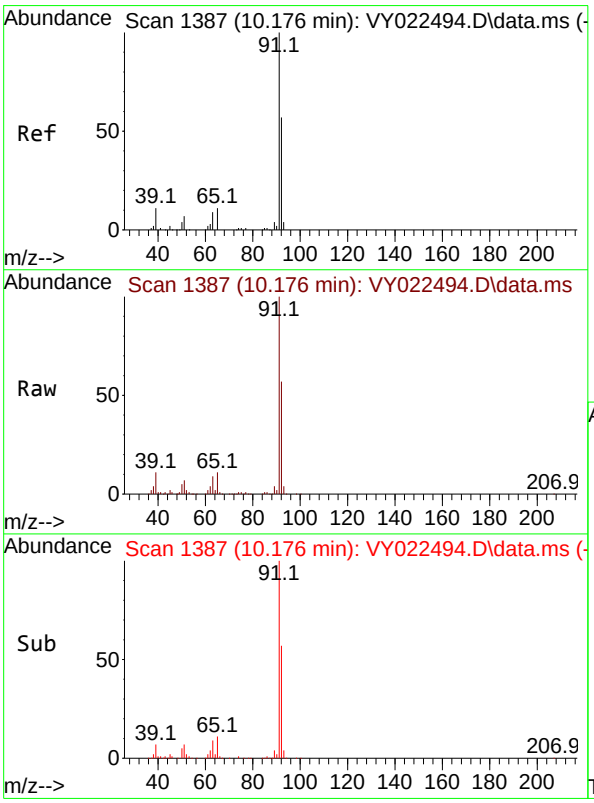
Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.4	45.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

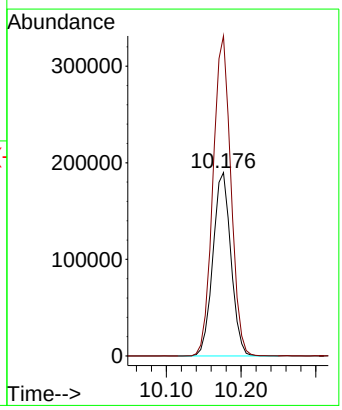
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

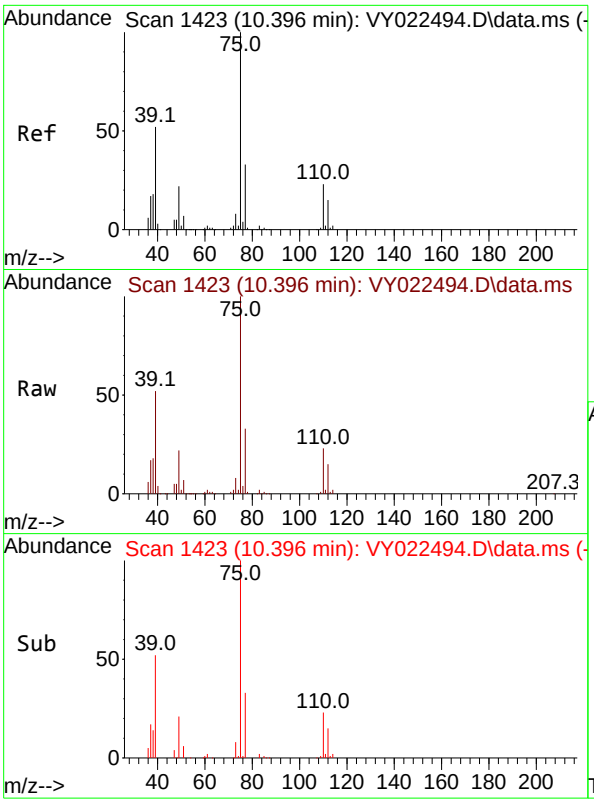


#52
Toluene
Concen: 51.213 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 92 Resp: 316972

Ion	Ratio	Lower	Upper
92	100		
91	173.7	139.0	208.4

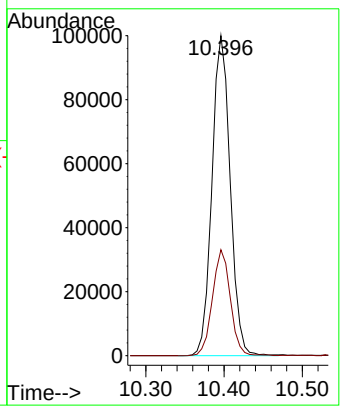




#53
t-1,3-Dichloropropene
Concen: 52.450 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 16185

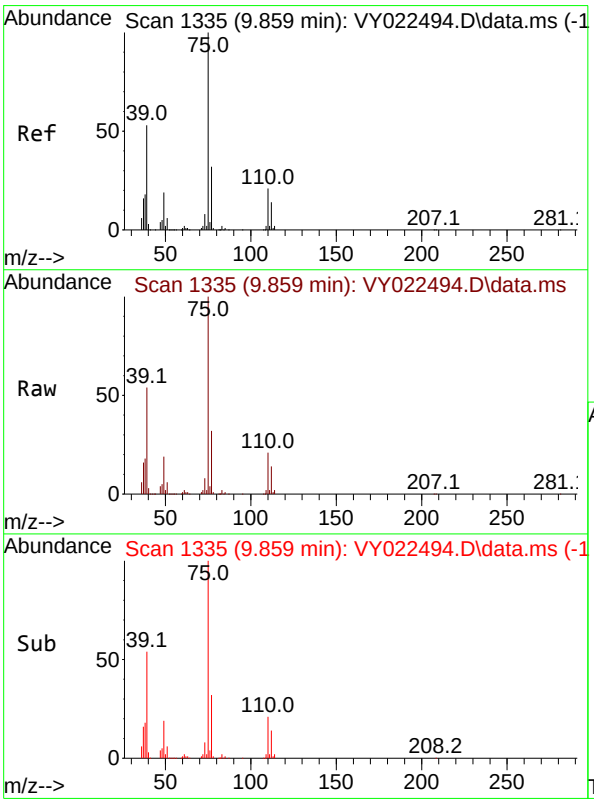
Ion	Ratio	Lower	Upper
75	100		
77	33.1	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

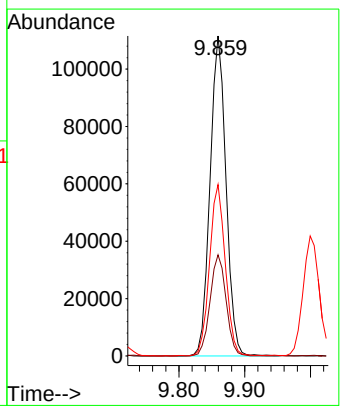
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

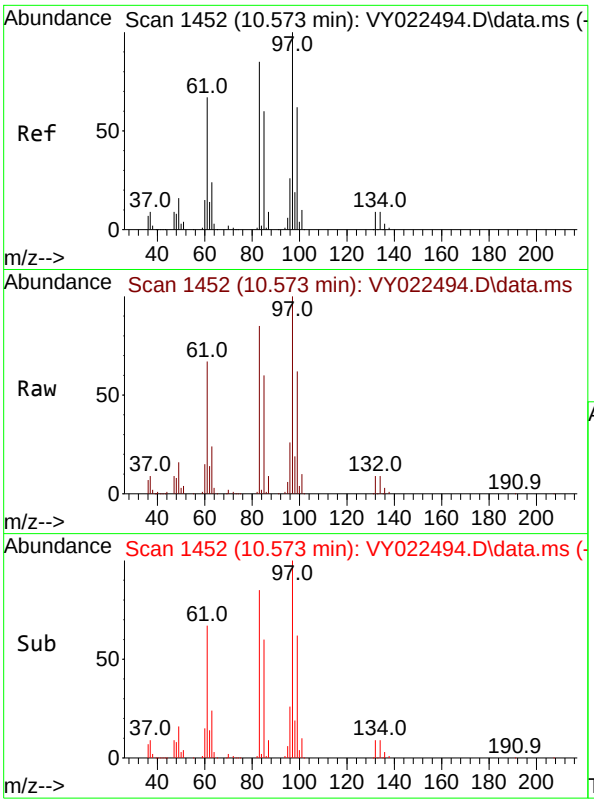


#54
cis-1,3-Dichloropropene
Concen: 52.108 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 188559

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	53.4	42.7	64.1

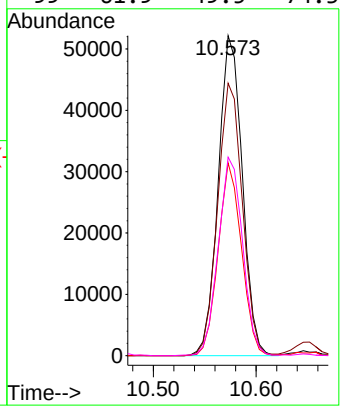




#55
1,1,2-Trichloroethane
Concen: 51.209 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 97 Resp: 8478

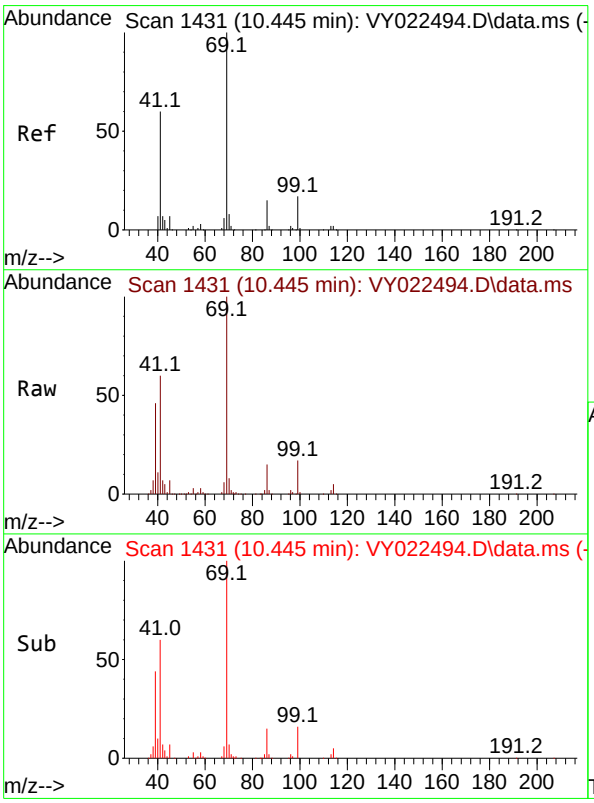
Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.1	102.1
85	60.2	48.2	72.2
99	61.9	49.5	74.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

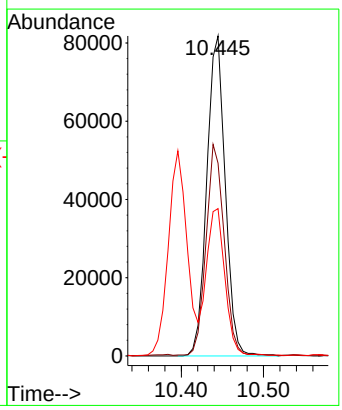
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

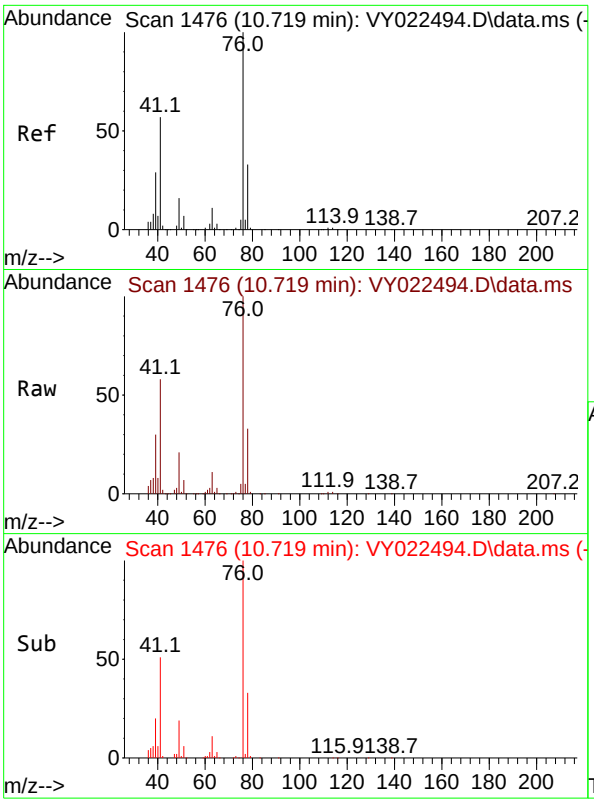


#56
Ethyl methacrylate
Concen: 52.930 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 69 Resp: 127271

Ion	Ratio	Lower	Upper
69	100		
41	65.2	52.2	78.2
39	45.9	36.7	55.1

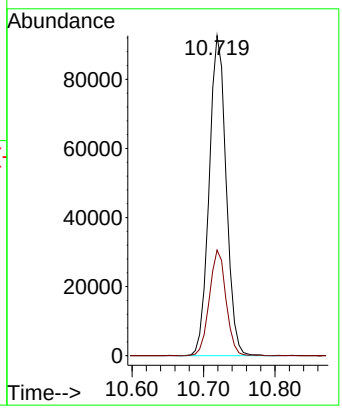




#57
1,3-Dichloropropane
Concen: 51.821 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 76 Resp: 15280

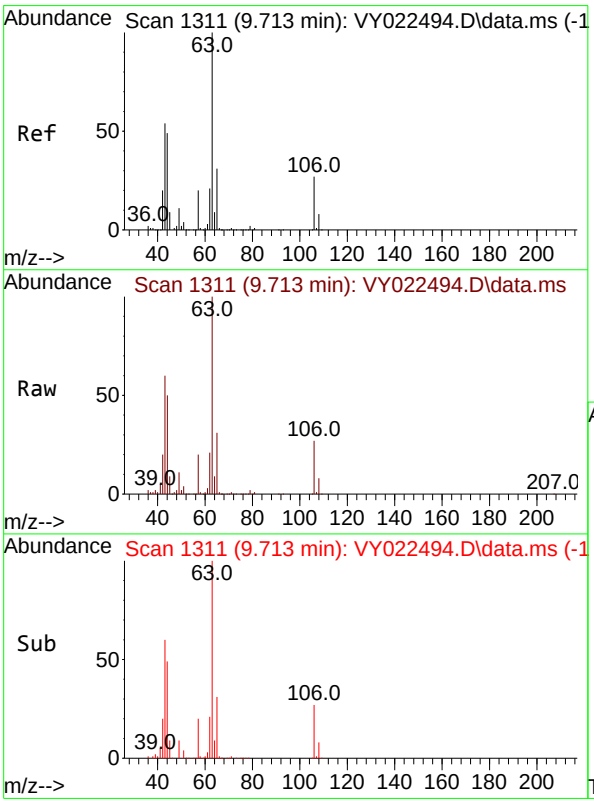
Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

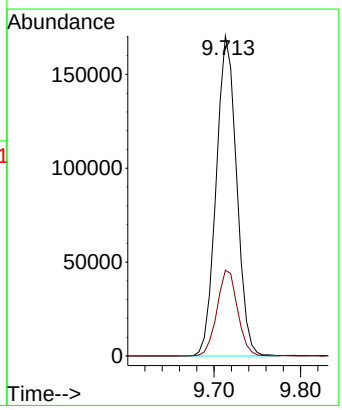
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

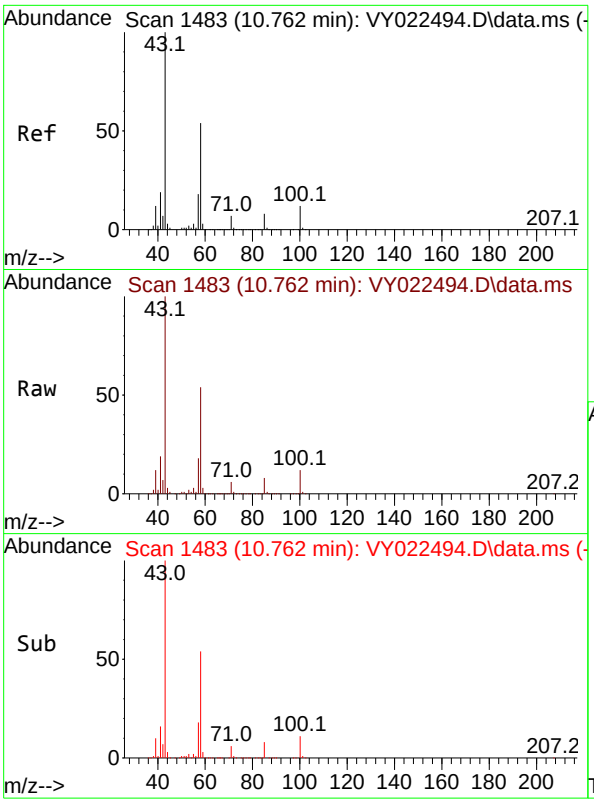


#58
2-Chloroethyl Vinyl ether
Concen: 260.896 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 63 Resp: 279669

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.6	32.4

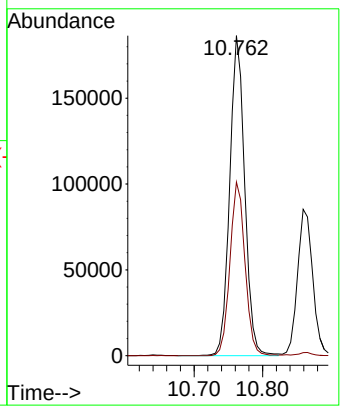




#59
2-Hexanone
Concen: 266.885 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 28360

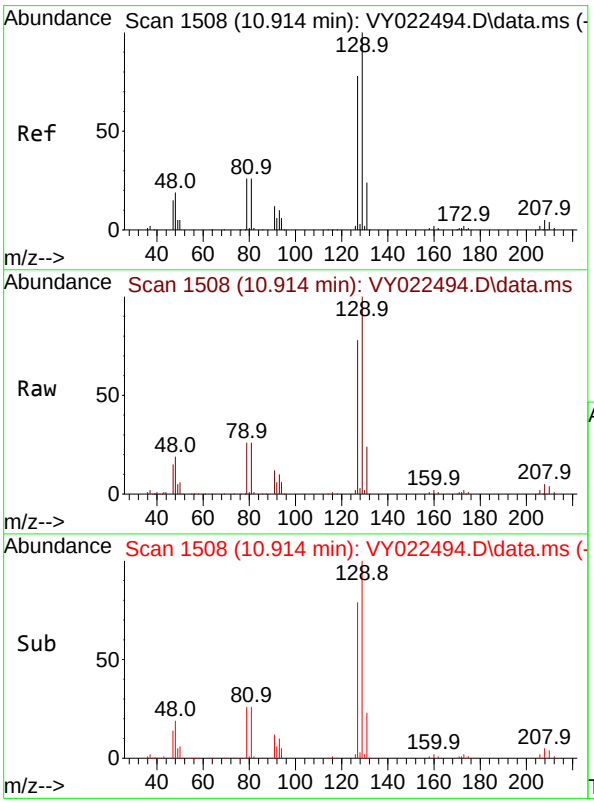
Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.3	81.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

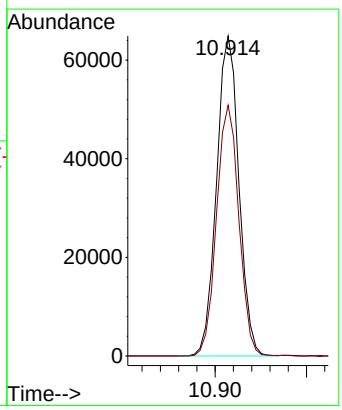
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

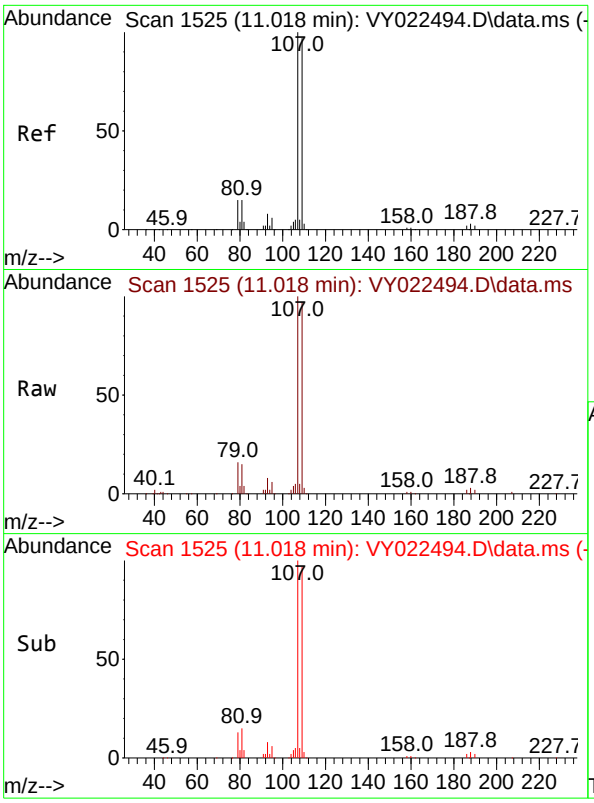


#60
Dibromochloromethane
Concen: 52.582 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:129 Resp: 110314

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.2

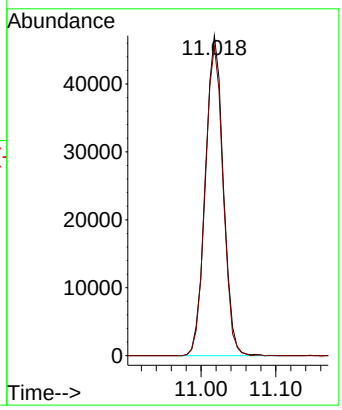




#61
1,2-Dibromoethane
Concen: 51.150 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:107 Resp: 7815

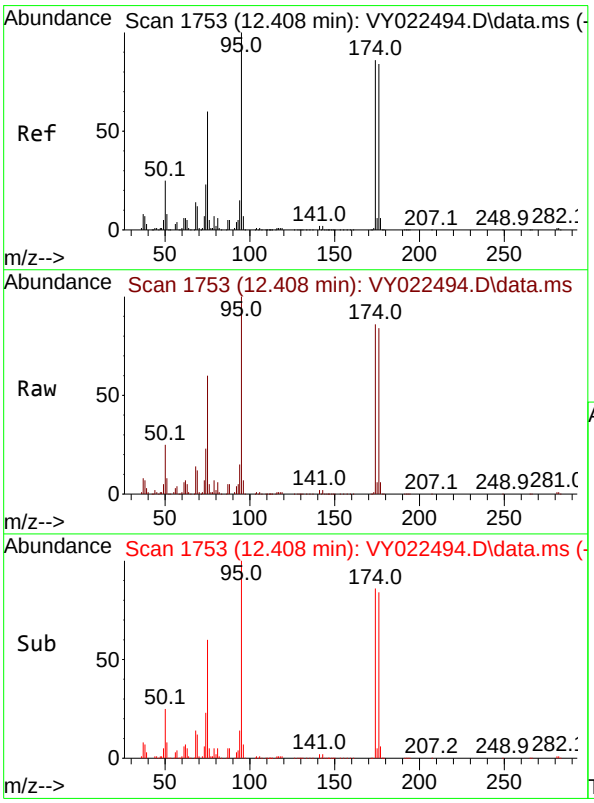
Ion	Ratio	Lower	Upper
107	100		
109	97.1	77.7	116.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

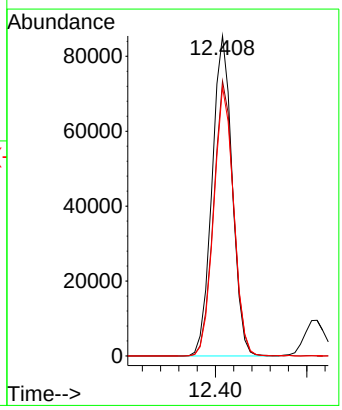
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

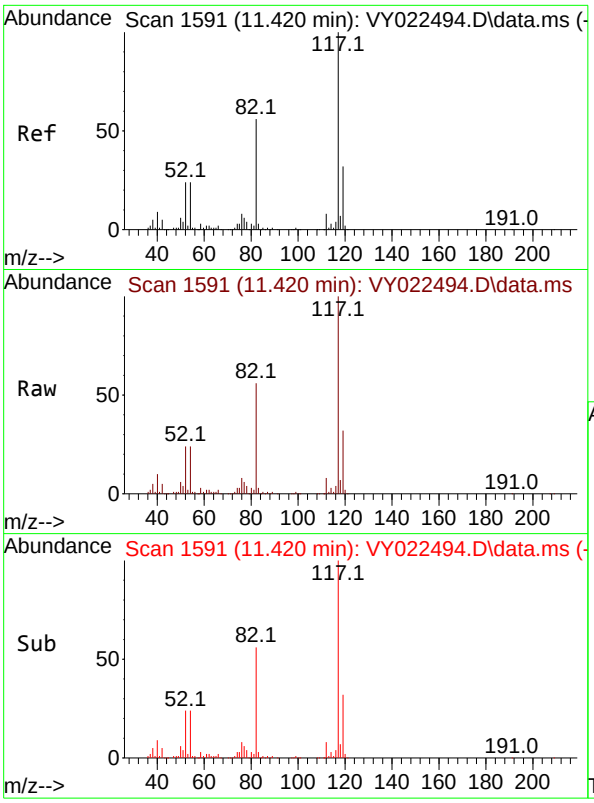


#62
4-Bromofluorobenzene
Concen: 51.503 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 95 Resp: 130393

Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	170.0
176	83.1	0.0	166.2

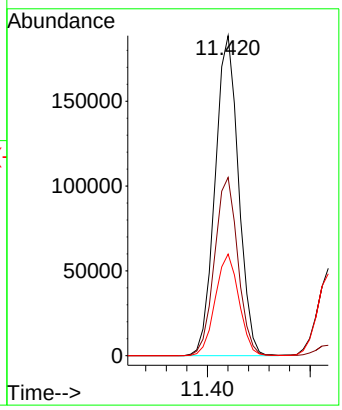




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:117 Resp: 29818

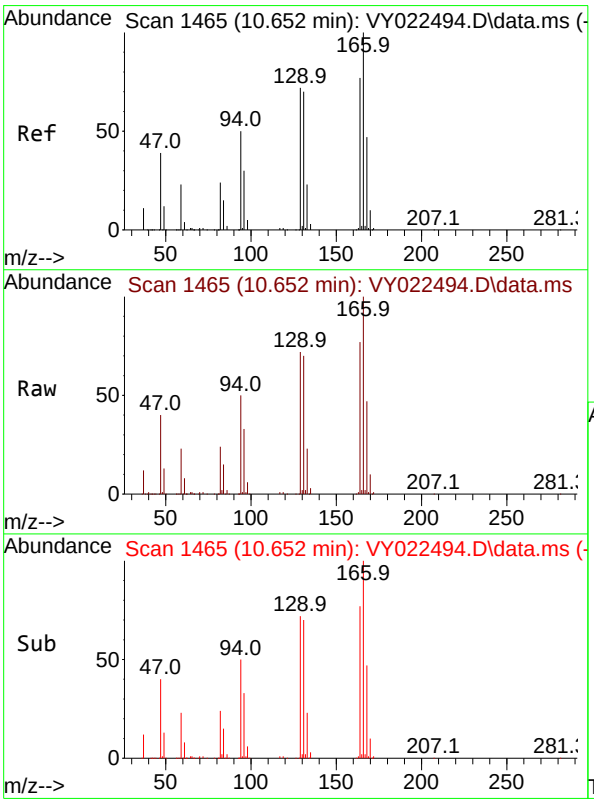
Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.6	66.8
119	31.7	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

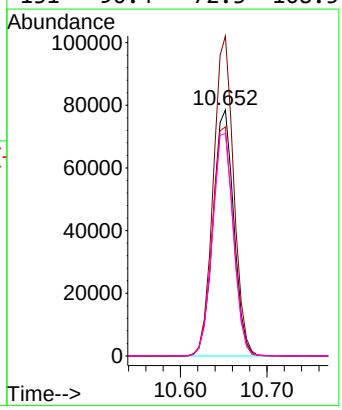
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

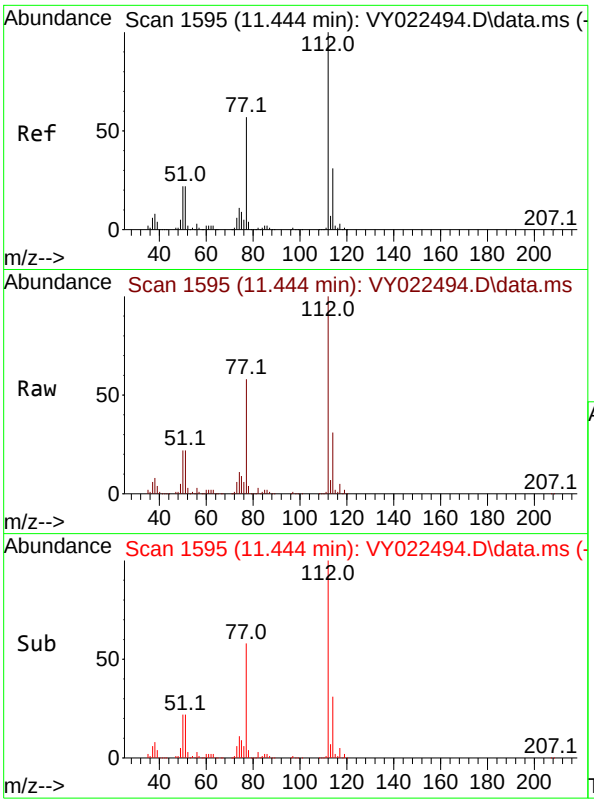


#64
Tetrachloroethene
Concen: 51.367 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:164 Resp: 130171

Ion	Ratio	Lower	Upper
164	100		
166	130.0	104.0	156.0
129	93.1	74.5	111.7
131	90.4	72.3	108.5

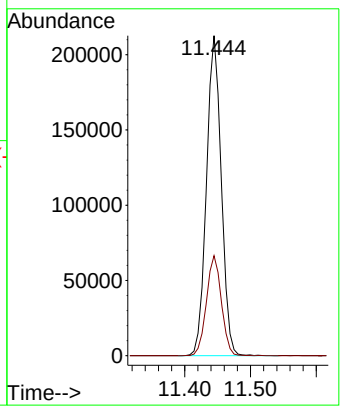




#65
Chlorobenzene
Concen: 51.447 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:112 Resp: 33264

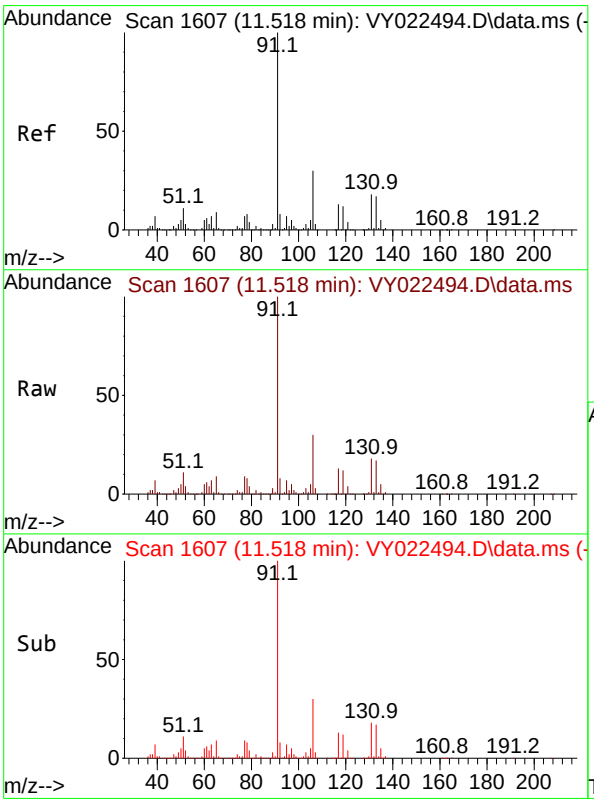
Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

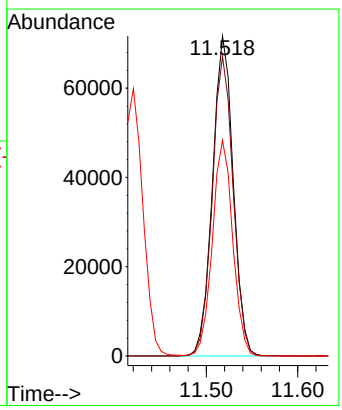
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

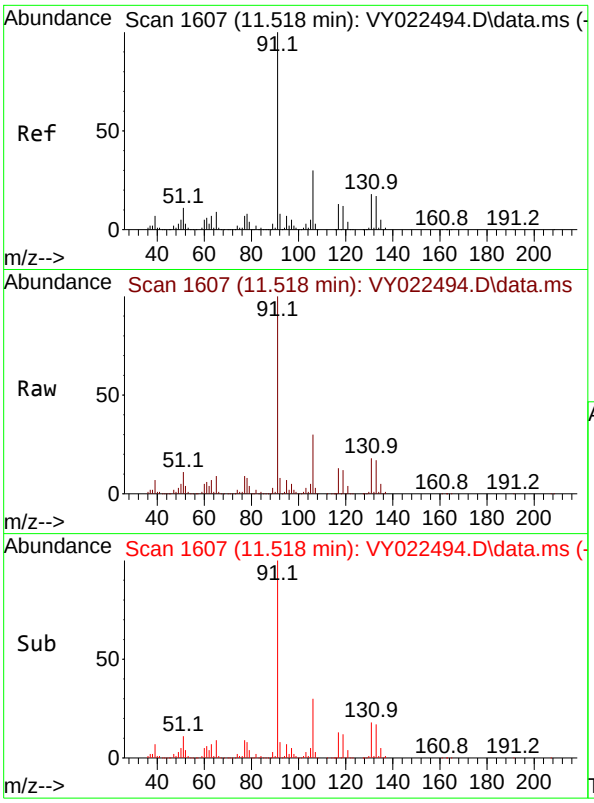


#66
1,1,1,2-Tetrachloroethane
Concen: 51.526 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:131 Resp: 112934

Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.3	141.8
119	66.2	33.1	99.3





#67
Ethyl Benzene
Concen: 51.577 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

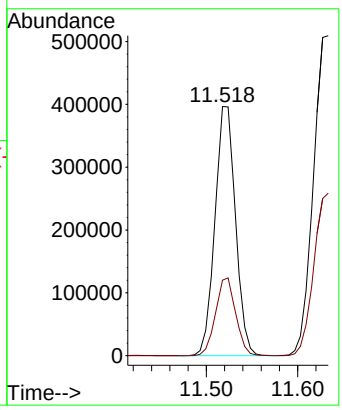
Tgt Ion: 91 Resp: 62103

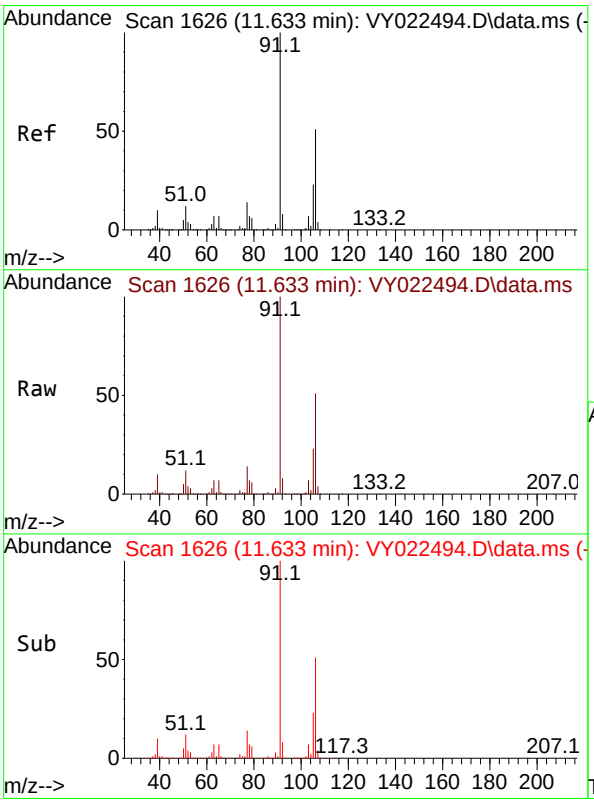
Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.2	36.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

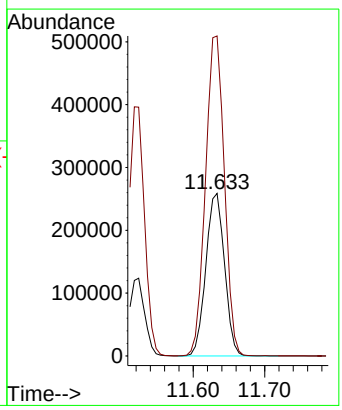


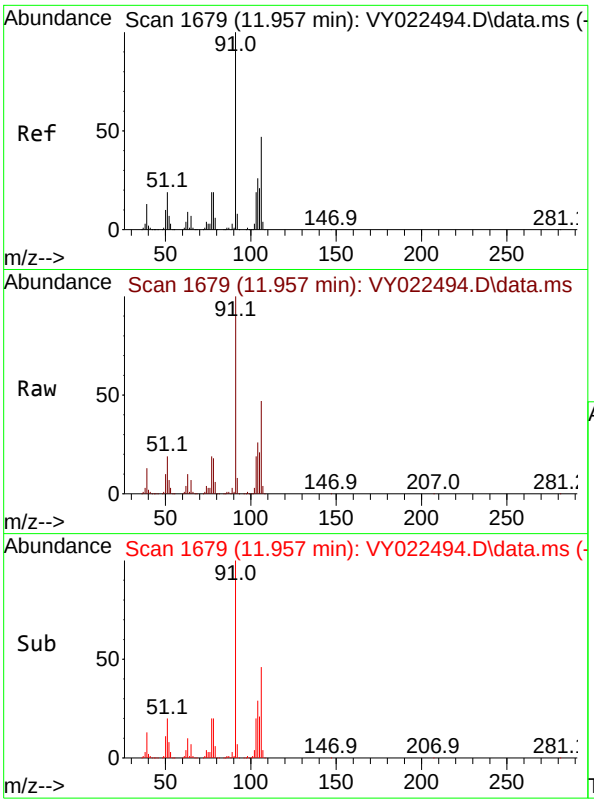


#68
m/p-Xylenes
Concen: 102.795 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:106 Resp: 468441

Ion	Ratio	Lower	Upper
106	100		
91	199.2	159.4	239.0





#69
o-Xylene
Concen: 51.293 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

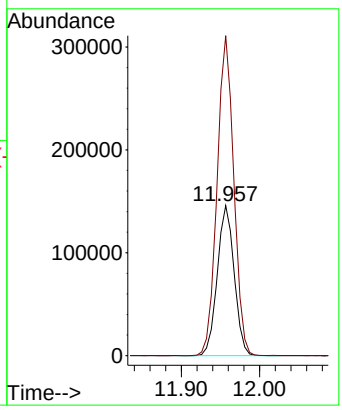
Tgt Ion:106 Resp: 21876

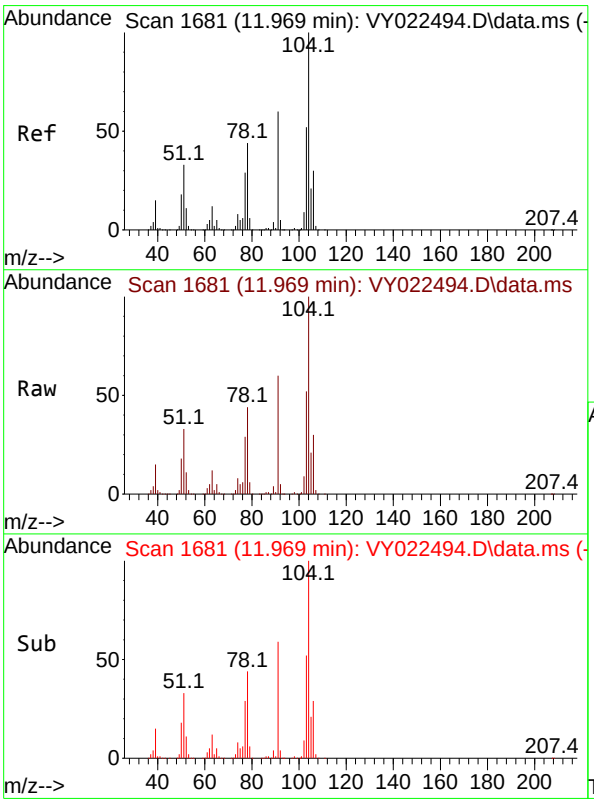
Ion	Ratio	Lower	Upper
106	100		
91	211.5	105.8	317.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

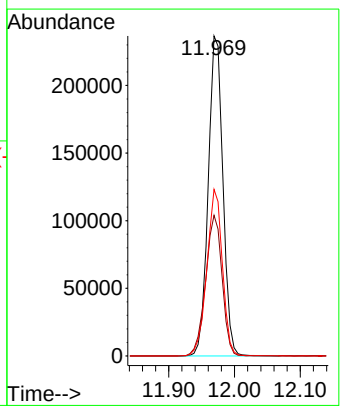


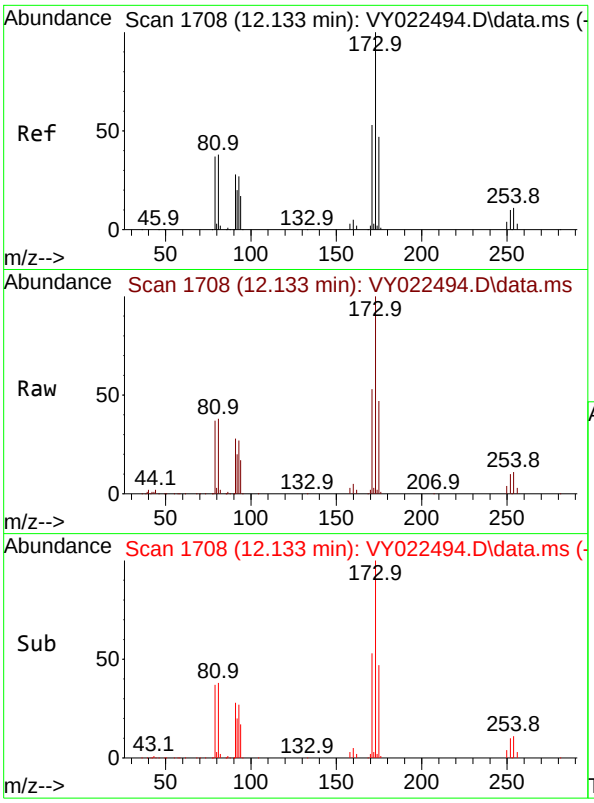


#70
Styrene
Concen: 52.052 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:104 Resp: 367553

Ion	Ratio	Lower	Upper
104	100		
78	49.4	39.5	59.3
103	55.1	44.1	66.1

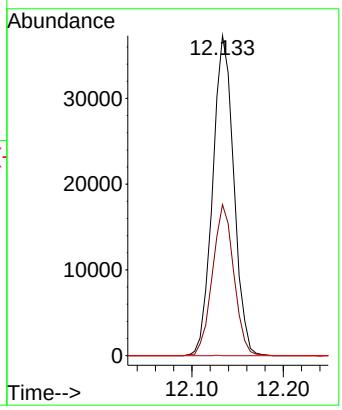




#71
Bromoform
Concen: 51.996 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:173 Resp: 5988

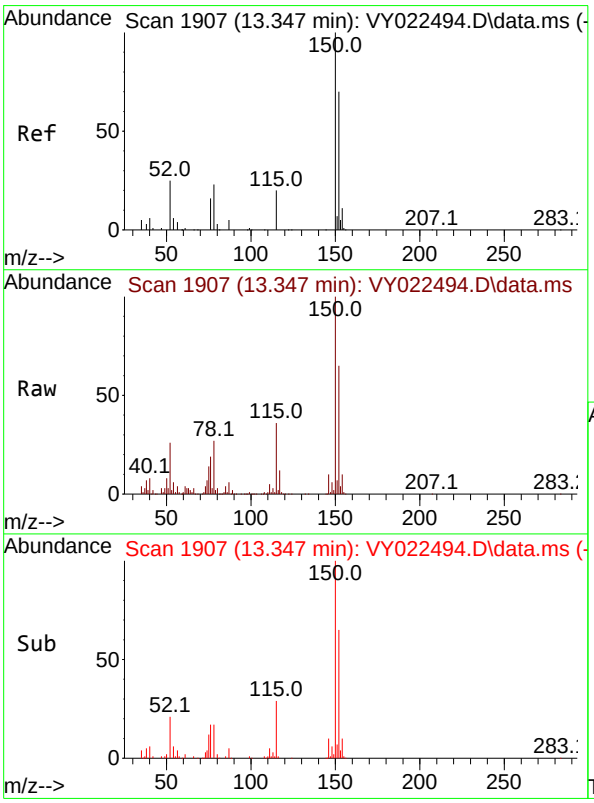
Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.8	71.5
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

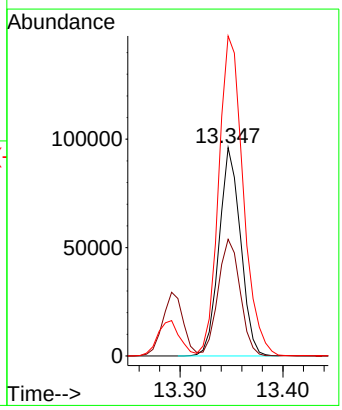
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

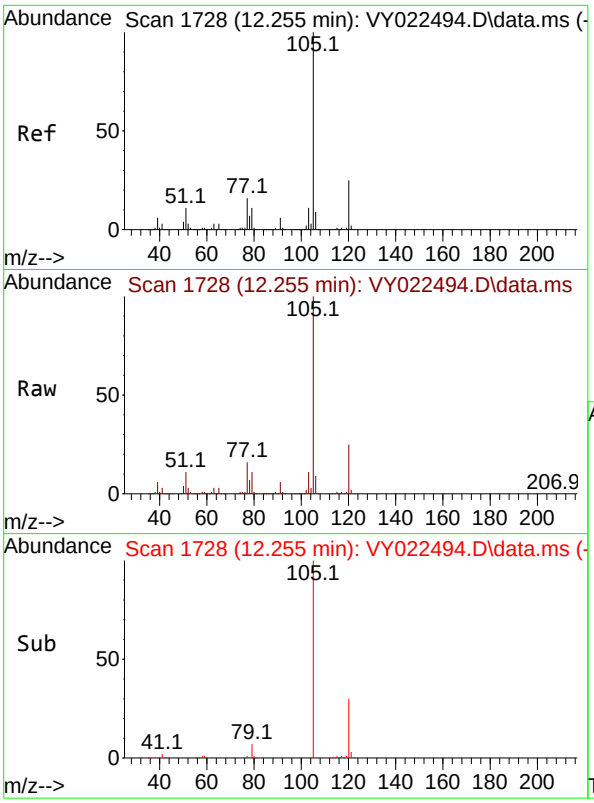


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:152 Resp: 139554

Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.9	86.7
150	174.8	0.0	349.6





#73
Isopropylbenzene
Concen: 51.329 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

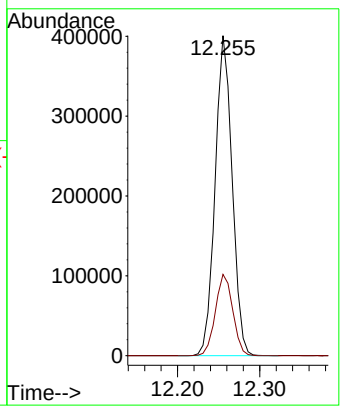
Tgt Ion:105 Resp: 57713

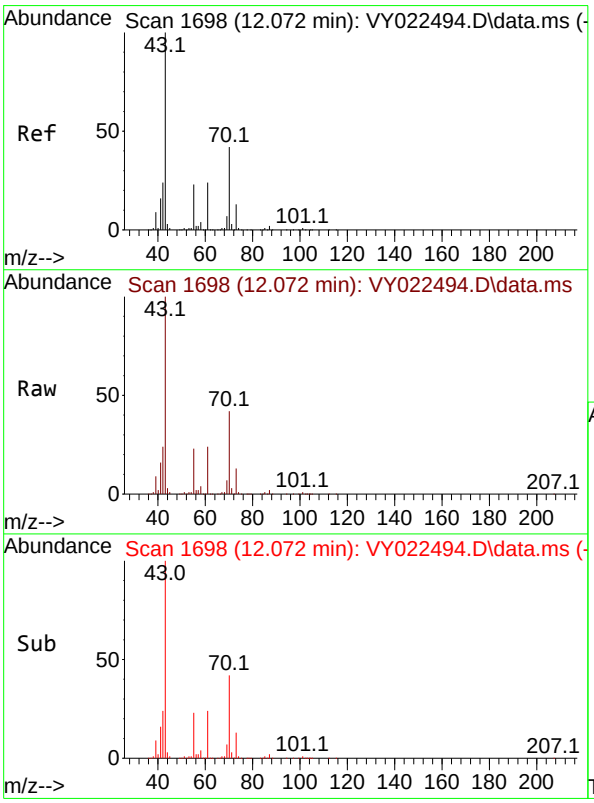
Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

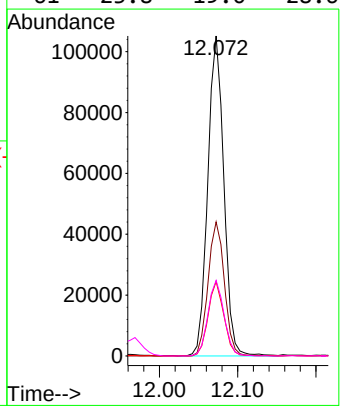


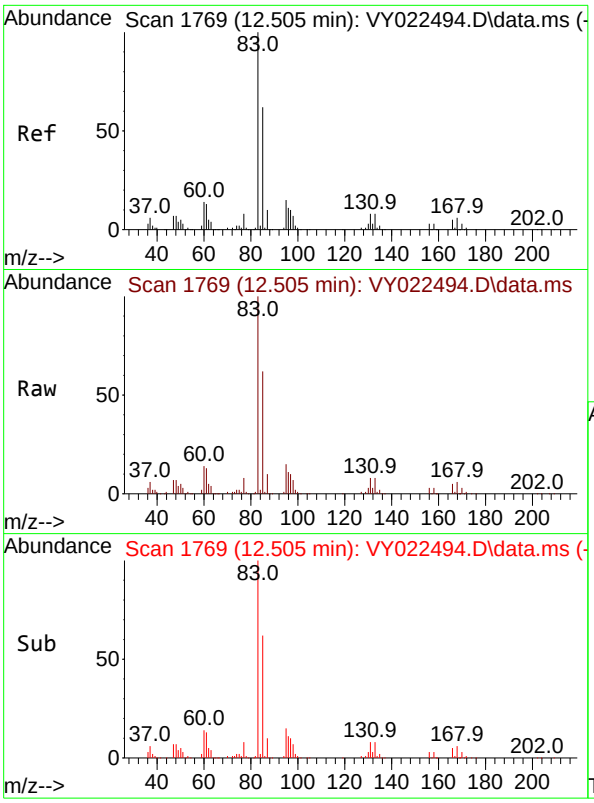


#74
N-amyl acetate
Concen: 52.627 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 149637

Ion	Ratio	Lower	Upper
43	100		
70	42.7	34.2	51.2
55	22.8	18.2	27.4
61	23.8	19.0	28.6

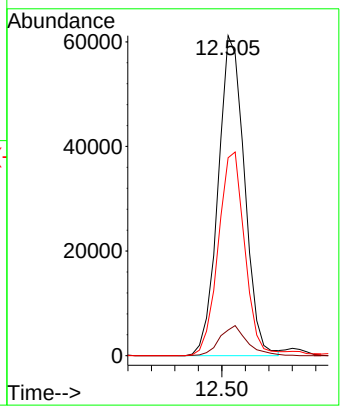




#75
1,1,2,2-Tetrachloroethane
Concen: 52.145 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 83 Resp: 9521

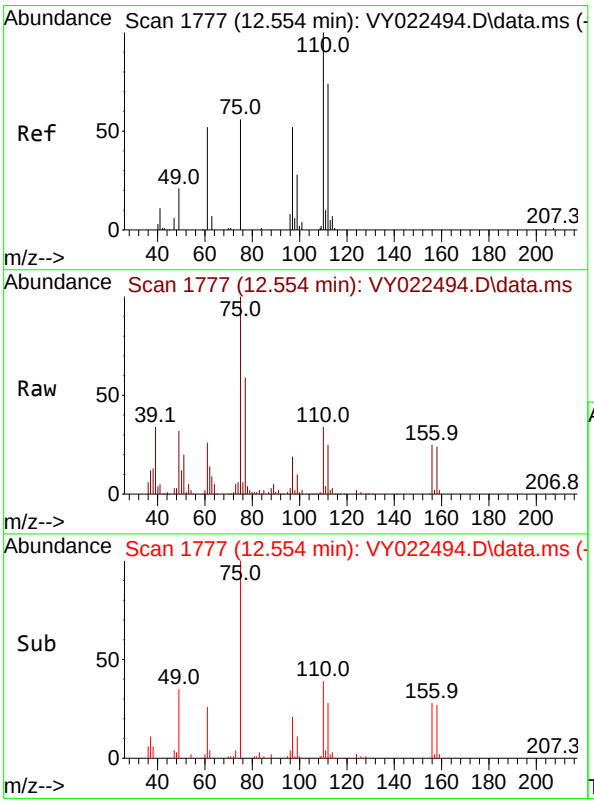
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	65.2	32.6	97.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

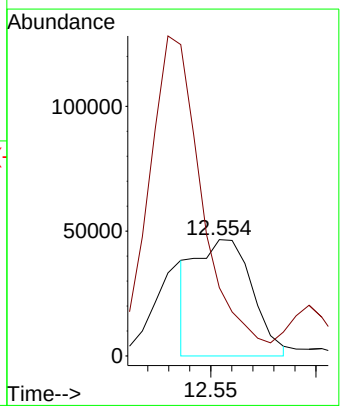
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

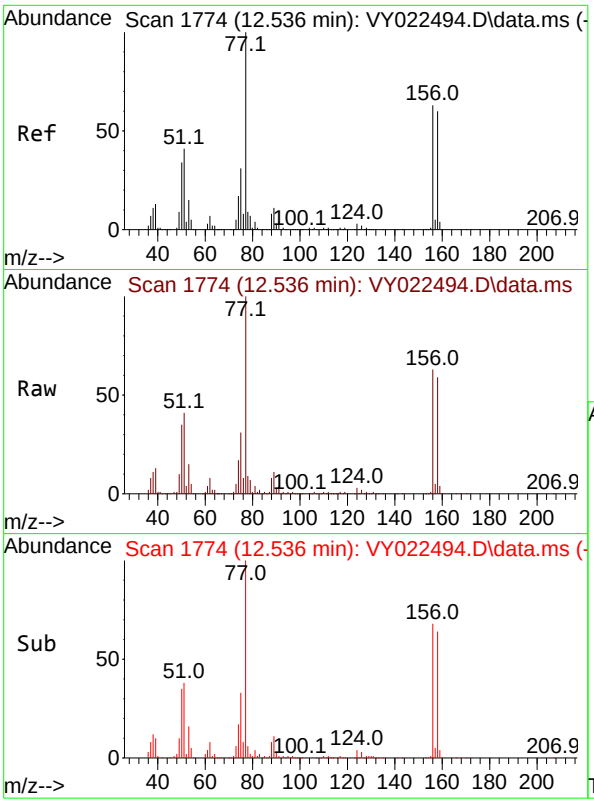


#76
1,2,3-Trichloropropane
Concen: 47.747 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 87965

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

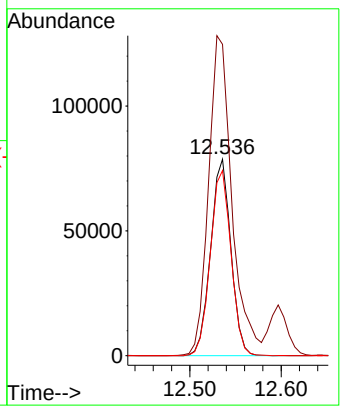




#77
Bromobenzene
Concen: 50.812 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:156 Resp: 12109

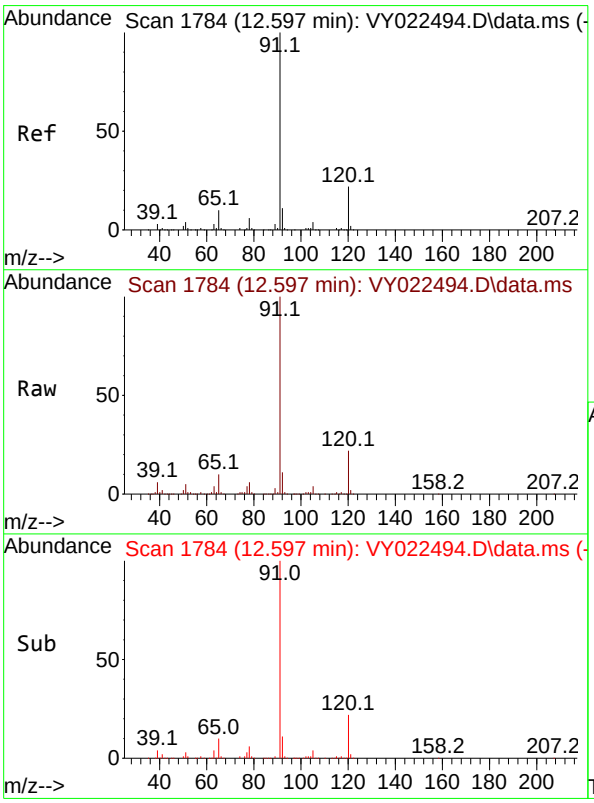
Ion	Ratio	Lower	Upper
156	100		
77	188.1	94.0	282.1
158	96.4	48.2	144.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

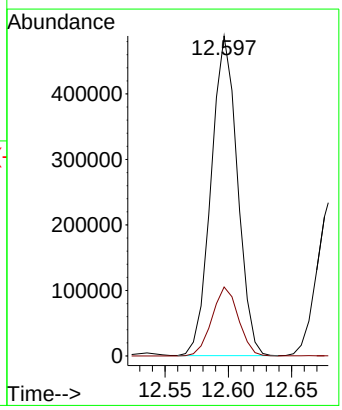
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

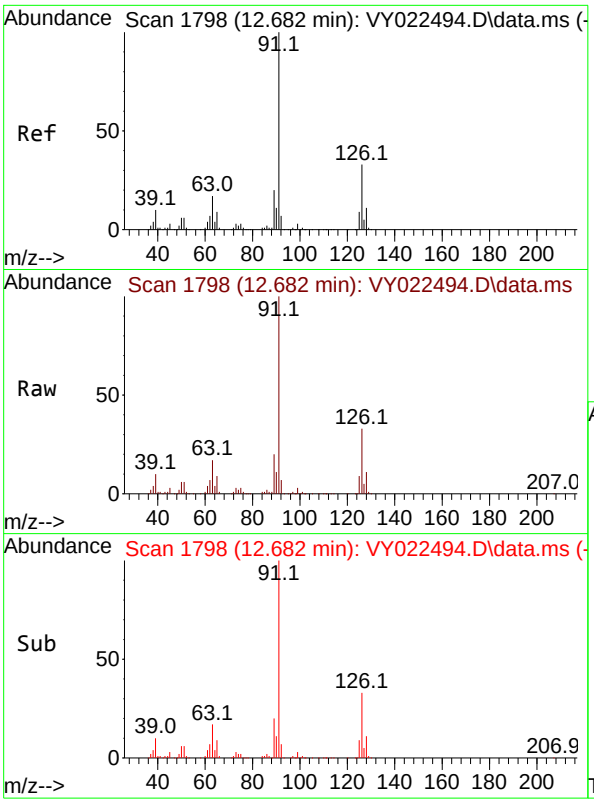


#78
n-propylbenzene
Concen: 51.667 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 91 Resp: 707143

Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.4





#79
2-Chlorotoluene
Concen: 51.670 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

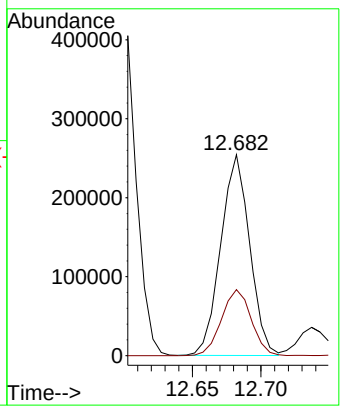
Tgt Ion: 91 Resp: 37340

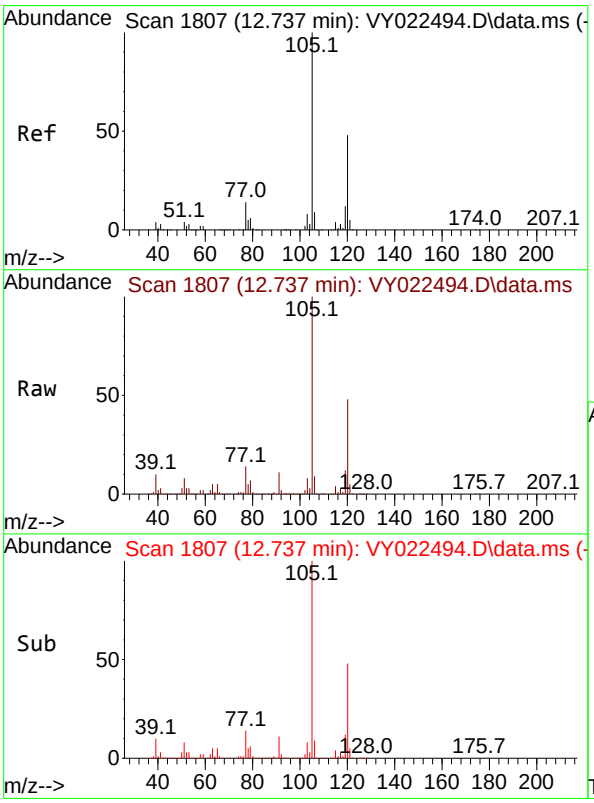
Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.0	51.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

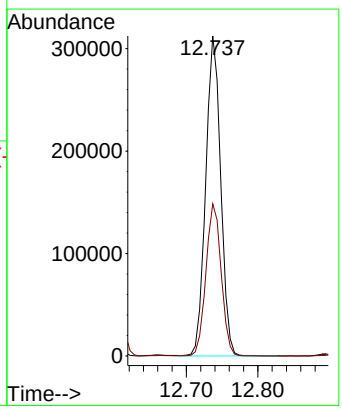


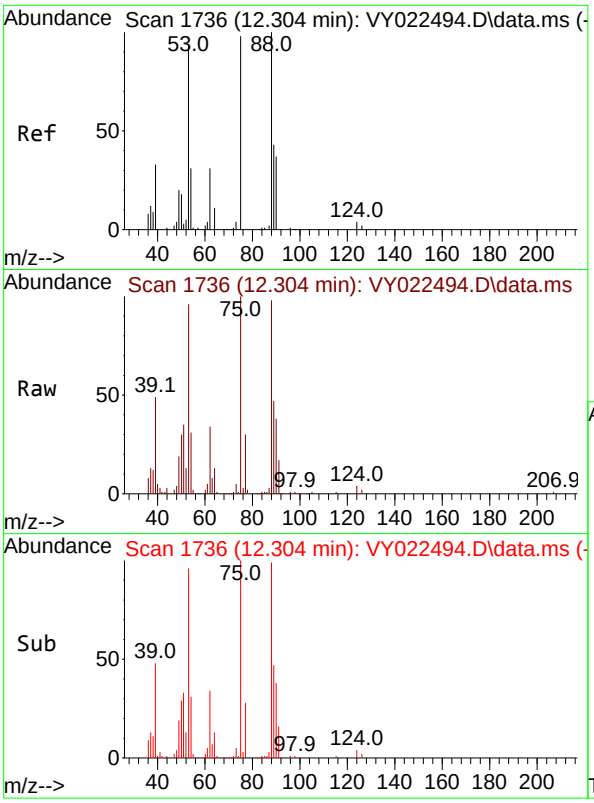


#80
1,3,5-Trimethylbenzene
Concen: 51.754 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:105 Resp: 455006

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.1	72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 50.780 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

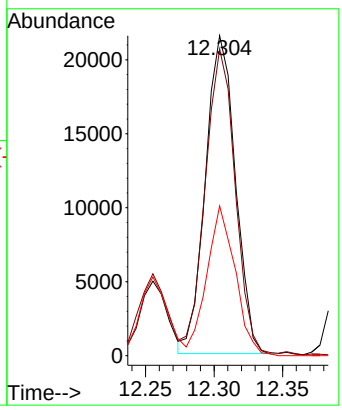
Tgt Ion: 75 Resp: 3263

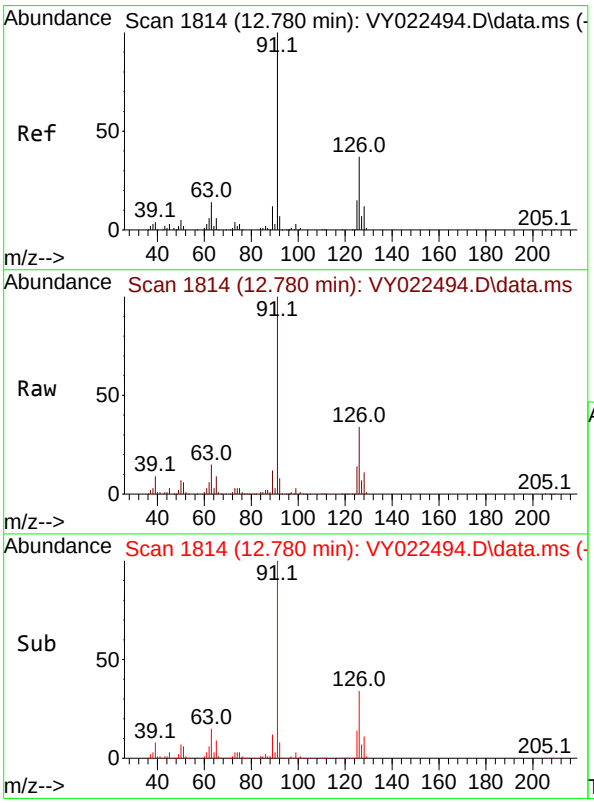
Ion	Ratio	Lower	Upper
75	100		
53	98.1	78.5	117.7
89	44.6	35.7	53.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

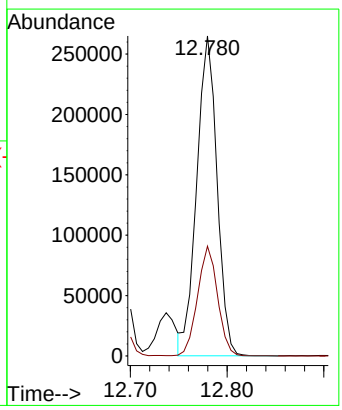


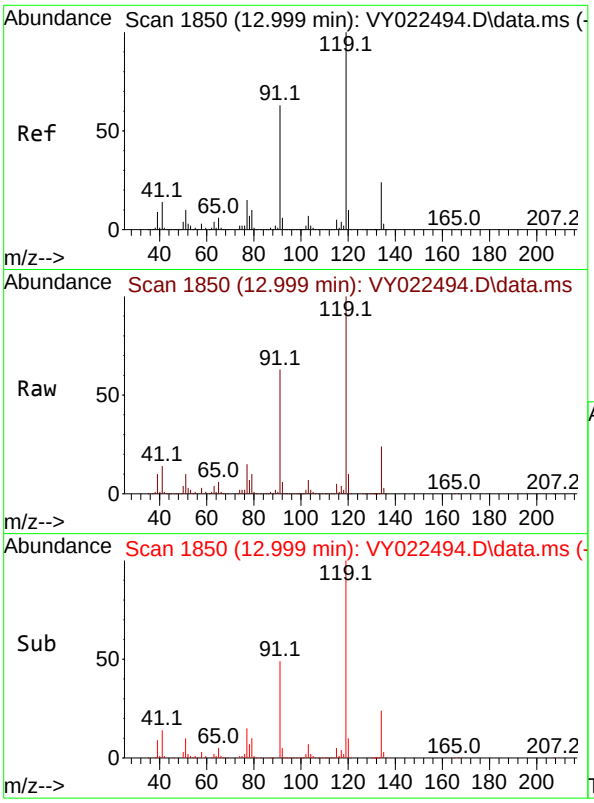


#82
4-Chlorotoluene
Concen: 51.710 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 91 Resp: 387296

Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.0	50.9

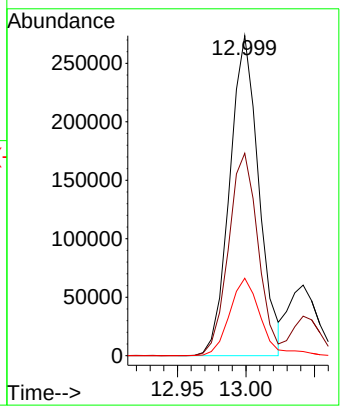




#83
tert-Butylbenzene
Concen: 50.438 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:119 Resp: 40451

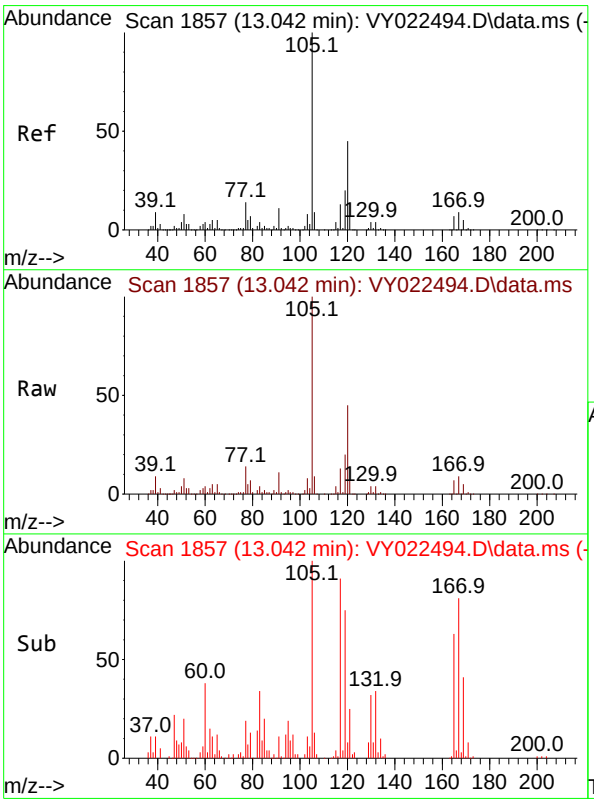
Ion	Ratio	Lower	Upper
119	100		
91	64.2	32.1	96.3
134	25.9	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

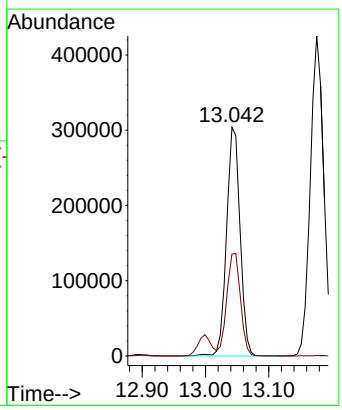
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

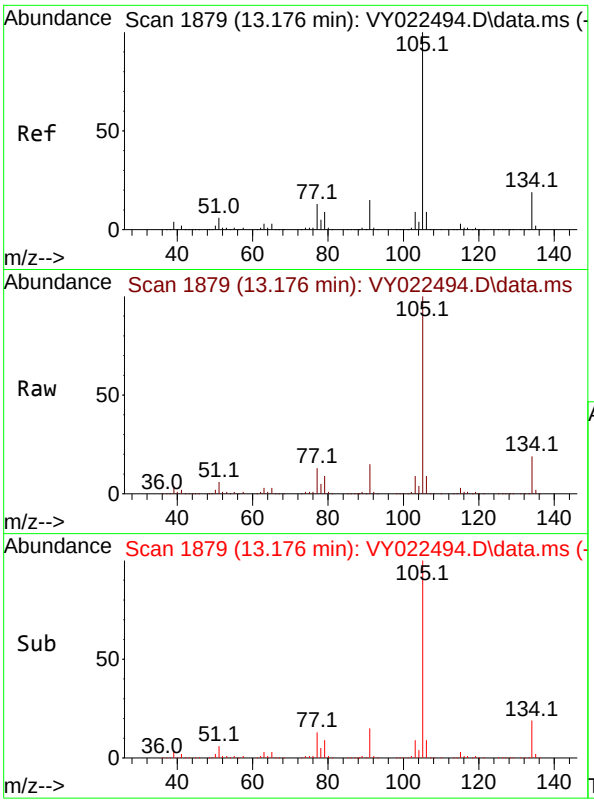


#84
1,2,4-Trimethylbenzene
Concen: 51.088 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:105 Resp: 449372

Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.1





#85
sec-Butylbenzene
Concen: 51.250 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

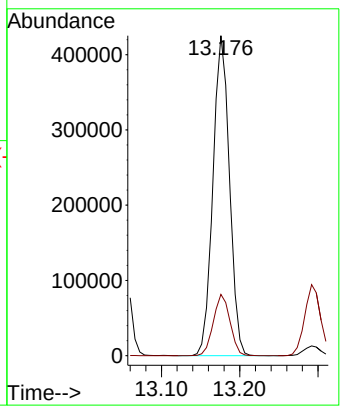
Tgt Ion:105 Resp: 62318

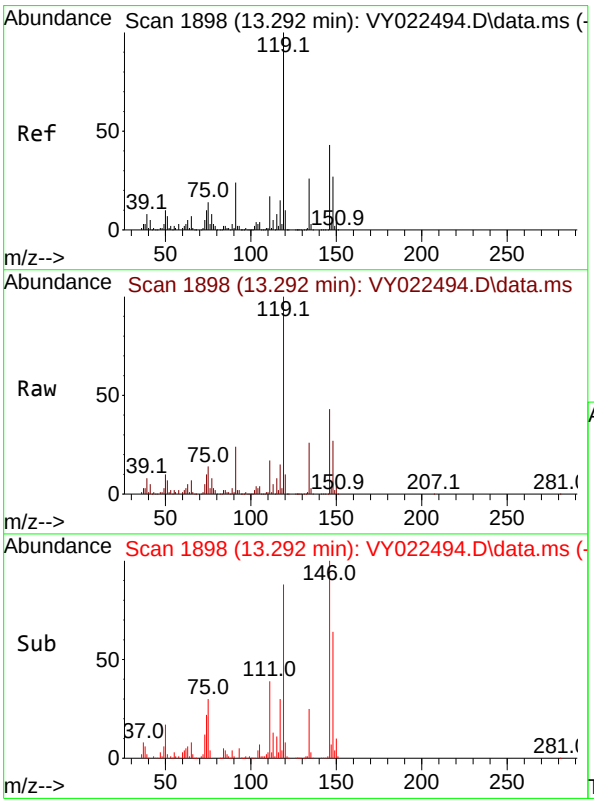
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

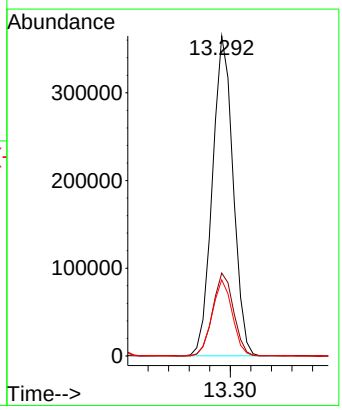


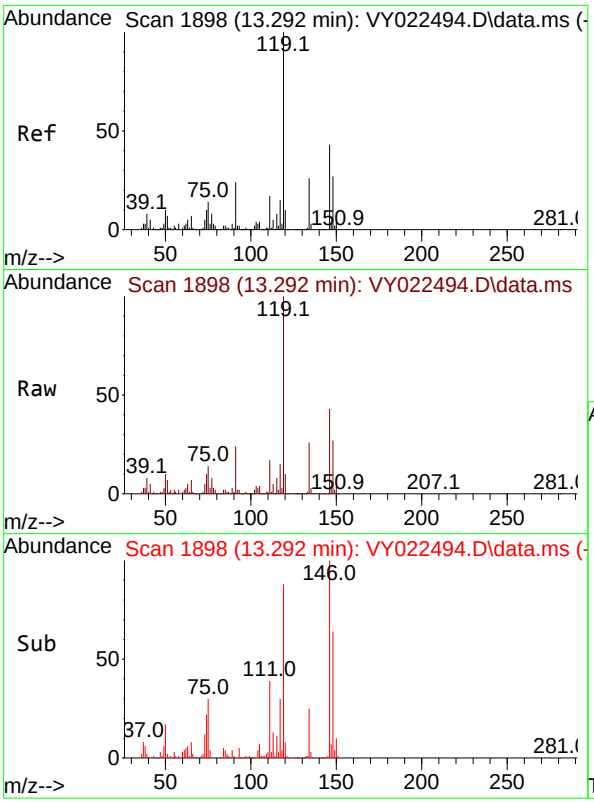


#86
p-Isopropyltoluene
Concen: 51.018 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:119 Resp: 510026

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	23.2	11.6	34.8





#87
1,3-Dichlorobenzene
Concen: 50.717 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

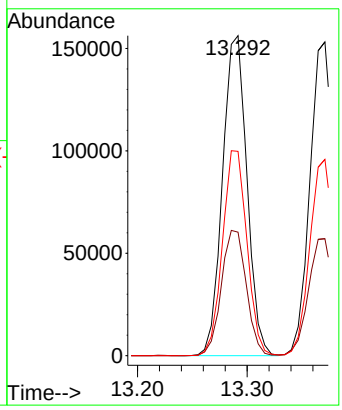
Tgt Ion:146 Resp: 24181

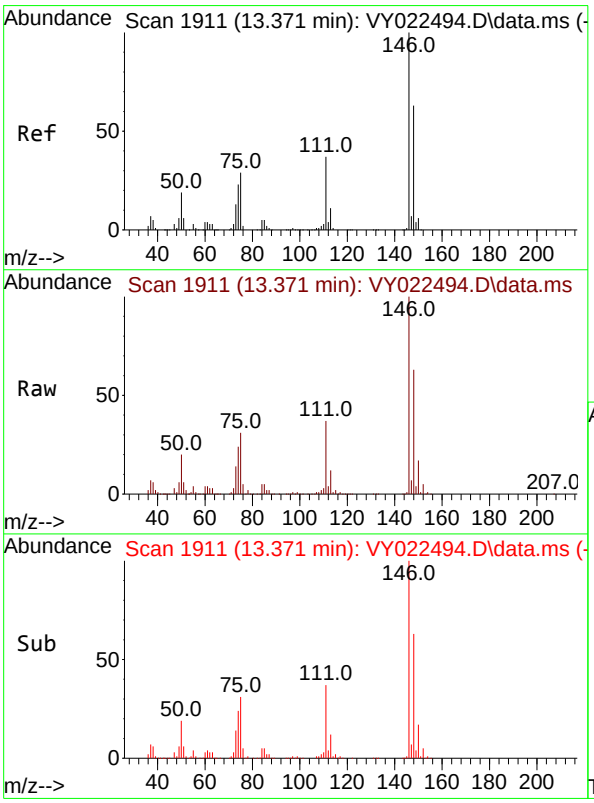
Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.1	60.2
148	64.2	32.1	96.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

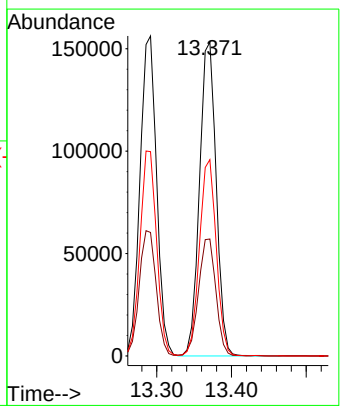


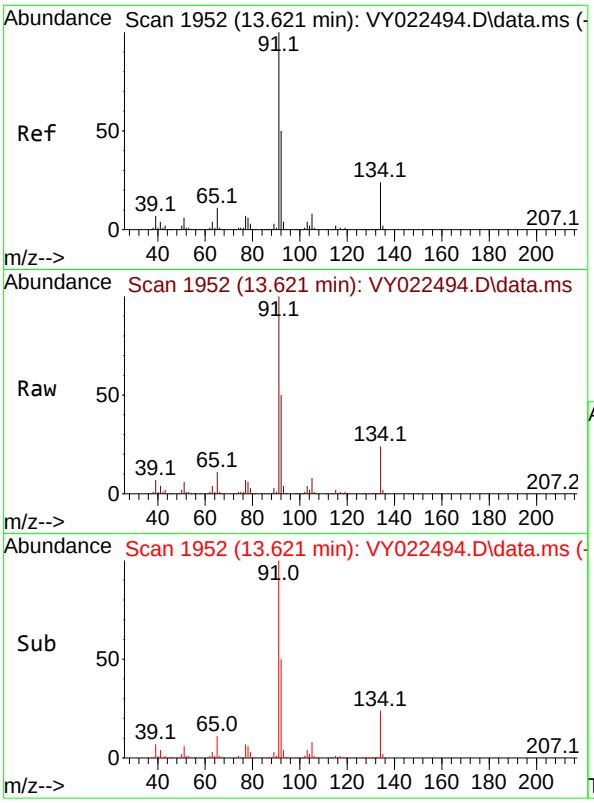


#88
1,4-Dichlorobenzene
Concen: 51.108 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:146 Resp: 237429

Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.2
148	63.2	31.6	94.8

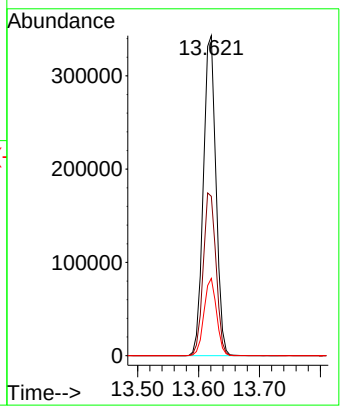




#89
n-Butylbenzene
Concen: 51.811 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 91 Resp: 49315

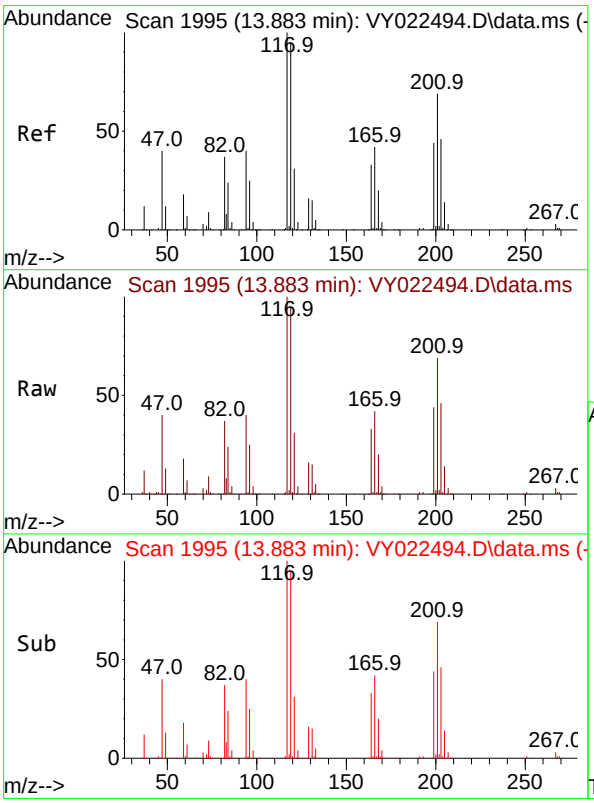
Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.8
134	24.1	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

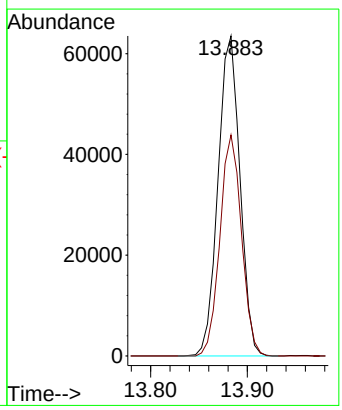
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

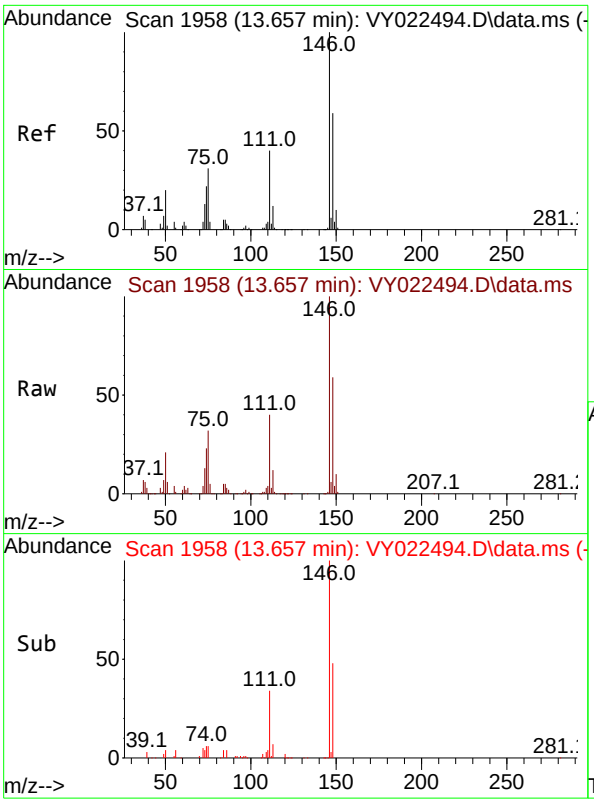


#90
Hexachloroethane
Concen: 51.068 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:117 Resp: 99901

Ion	Ratio	Lower	Upper
117	100		
201	68.0	34.0	102.0

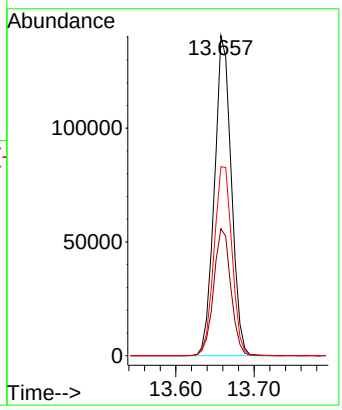




#91
1,2-Dichlorobenzene
Concen: 51.528 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:146 Resp: 21106

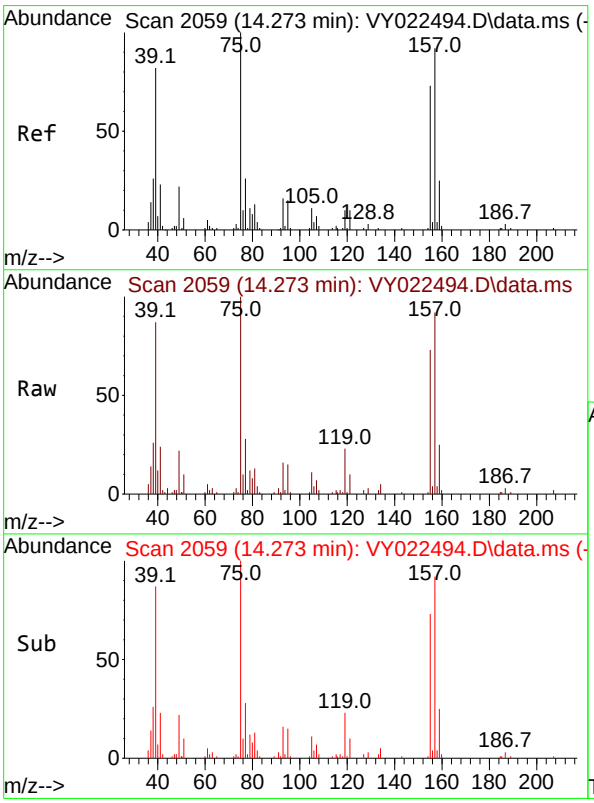
Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.6
148	62.7	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

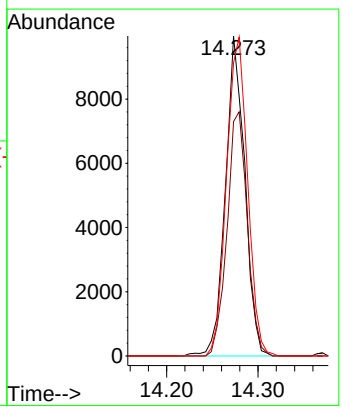
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

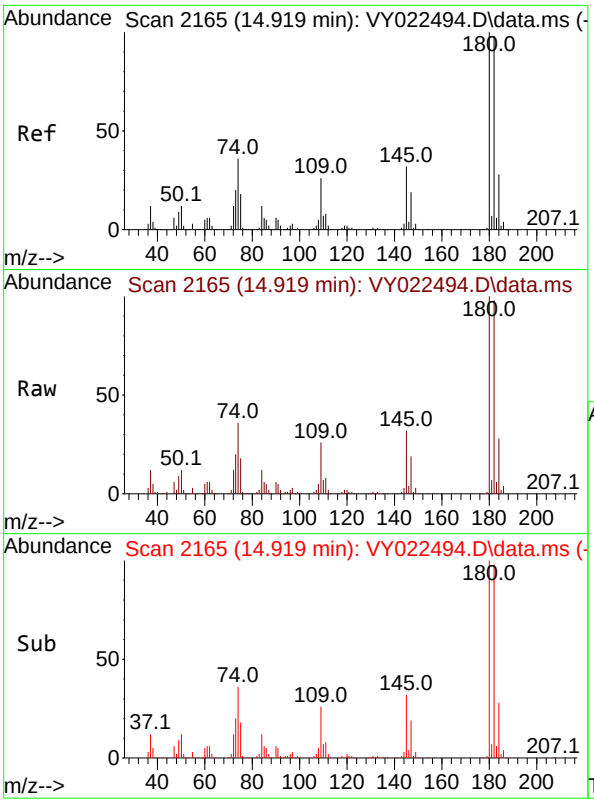


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.244 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 14697

Ion	Ratio	Lower	Upper
75	100		
155	79.7	39.9	119.6
157	108.0	54.0	162.0

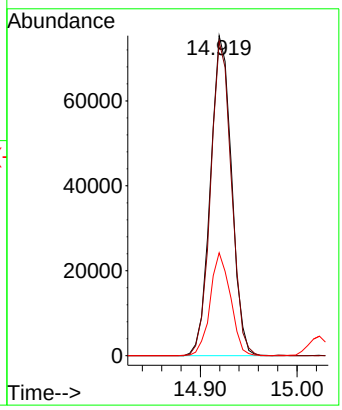




#93
1,2,4-Trichlorobenzene
Concen: 50.919 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:180 Resp: 11400

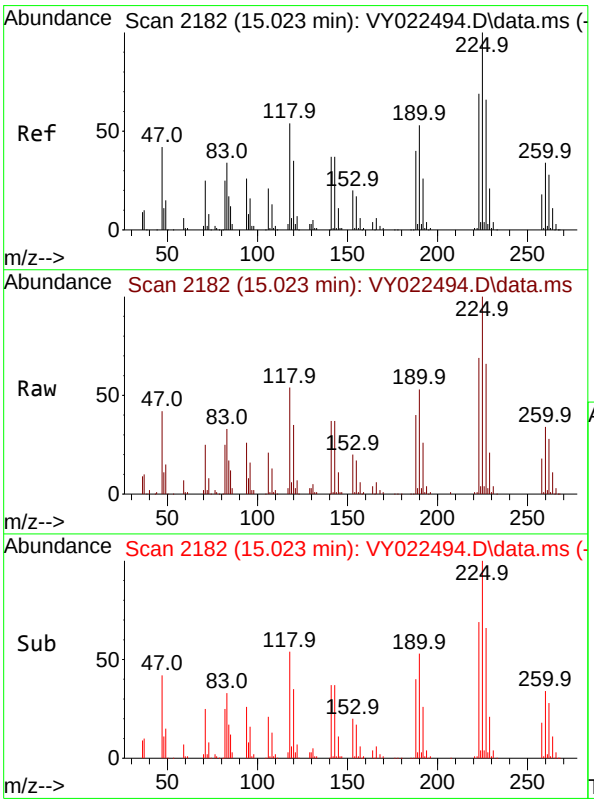
Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.4	145.3
145	31.0	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

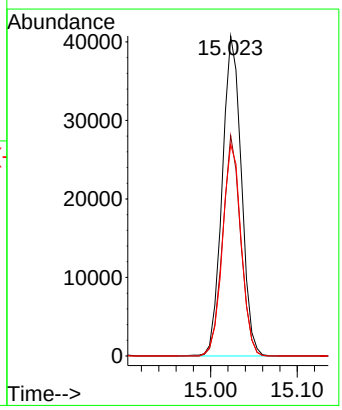
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

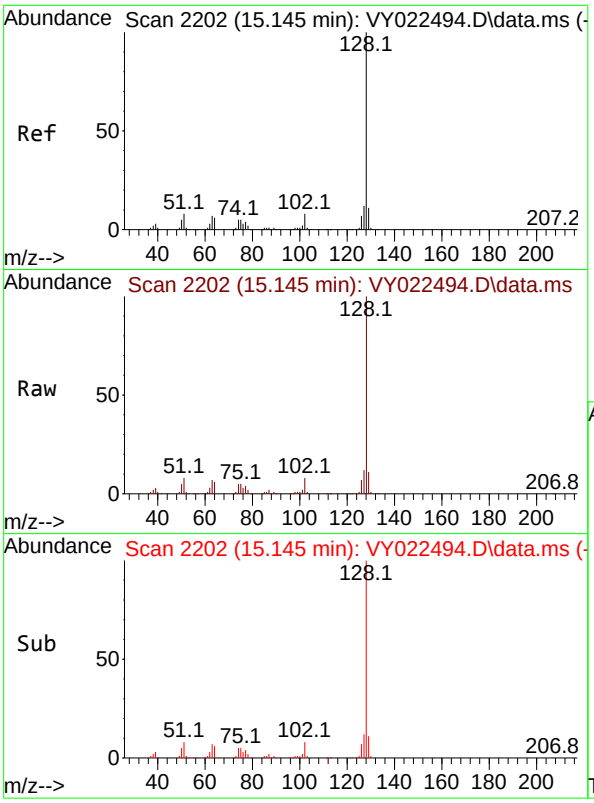


#94
Hexachlorobutadiene
Concen: 51.054 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:225 Resp: 62434

Ion	Ratio	Lower	Upper
225	100		
223	64.9	32.5	97.4
227	64.6	32.3	96.9

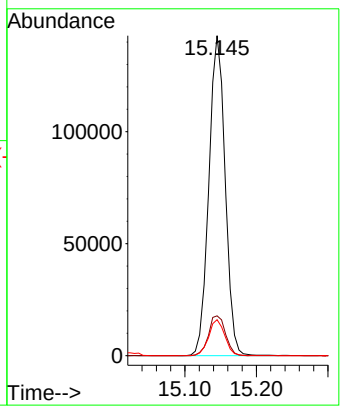




#95
Naphthalene
Concen: 52.686 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:128 Resp: 22607

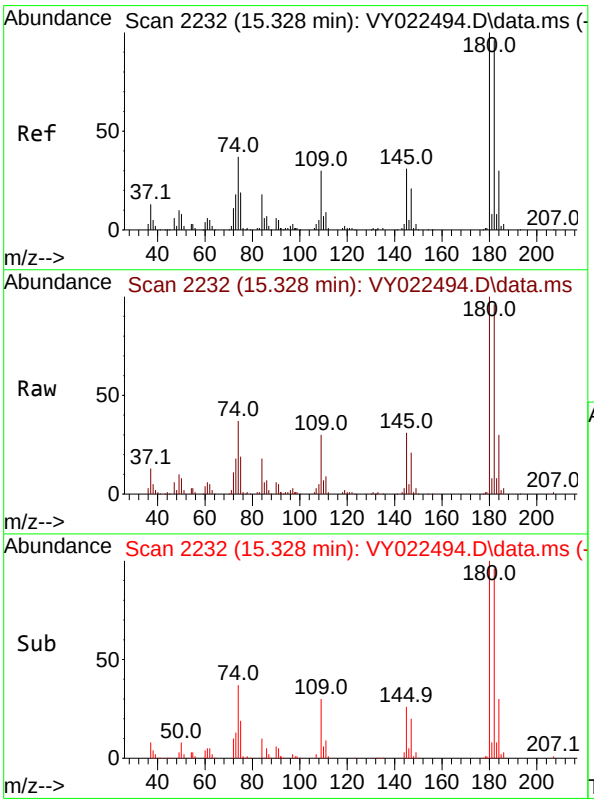
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.1	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

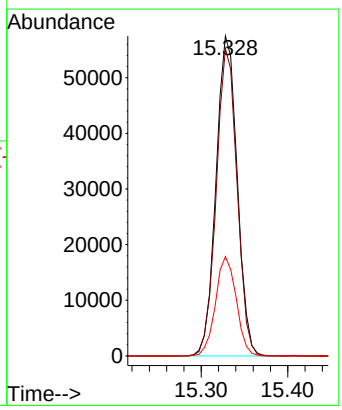
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.295 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:180 Resp: 97609

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.1	141.3
145	30.4	15.2	45.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	220566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	362519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	312741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	150217	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	243724	101.553	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 203.100%#			
35) Dibromofluoromethane	7.634	113	222443	104.234	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 208.460%#			
50) Toluene-d8	10.109	98	908424	105.318	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 210.640%#			
62) 4-Bromofluorobenzene	12.407	95	270310	103.359	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 206.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	175145	90.872	ug/l	97
3) Chloromethane	2.068	50	519859	91.429	ug/l	99
4) Vinyl Chloride	2.202	62	636843	95.695	ug/l	100
5) Bromomethane	2.592	94	591589	93.980	ug/l	99
6) Chloroethane	2.732	64	414935	91.070	ug/l	96
7) Trichlorofluoromethane	3.049	101	539323	95.384	ug/l	97
8) Diethyl Ether	3.458	74	122923	98.428	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.817	101	230240	97.074	ug/l	99
10) Methyl Iodide	4.006	142	278576	109.525	ug/l	99
11) Tert butyl alcohol	4.878	59	83900	489.395	ug/l #	87
12) 1,1-Dichloroethene	3.793	96	224855	99.317	ug/l	97
13) Acrolein	3.653	56	109392	522.746	ug/l	100
14) Allyl chloride	4.390	41	354774	100.560	ug/l	98
15) Acrylonitrile	5.067	53	269411	507.168	ug/l	100
16) Acetone	3.872	43	231202	487.310	ug/l	100
17) Carbon Disulfide	4.110	76	722508	99.952	ug/l	99
18) Methyl Acetate	4.390	43	132608	92.907	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	632873	100.187	ug/l	99
20) Methylene Chloride	4.622	84	241903	91.318	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	253184	100.103	ug/l	95
22) Diisopropyl ether	6.024	45	794164	101.232	ug/l	98
23) Vinyl Acetate	5.963	43	2424134	520.866	ug/l	99
24) 1,1-Dichloroethane	5.915	63	463641	99.980	ug/l	99
25) 2-Butanone	6.896	43	358881	512.798	ug/l	99
26) 2,2-Dichloropropane	6.890	77	420323	101.961	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	294837	100.858	ug/l	98
28) Bromochloromethane	7.250	49	206906	103.263	ug/l	100
29) Tetrahydrofuran	7.268	42	226299	501.243	ug/l	99
30) Chloroform	7.426	83	459957	100.373	ug/l	96
31) Cyclohexane	7.707	56	428074	91.723	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	419389	102.410	ug/l	99
36) 1,1-Dichloropropene	7.841	75	355563	103.070	ug/l	99
37) Ethyl Acetate	6.988	43	159922	105.336	ug/l	98
38) Carbon Tetrachloride	7.823	117	368617	103.651	ug/l	96
39) Methylcyclohexane	9.109	83	481512	103.323	ug/l	99
40) Benzene	8.085	78	1052881	103.542	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	97672m	99.893	ug/l		
42) 1,2-Dichloroethane	8.158	62	286305	103.504	ug/l		98
43) Isopropyl Acetate	8.201	43	344110	103.721	ug/l		98
44) Trichloroethene	8.865	130	253632	102.104	ug/l		100
45) 1,2-Dichloropropane	9.146	63	249363	102.865	ug/l		100
46) Dibromomethane	9.231	93	139349	102.605	ug/l		98
47) Bromodichloromethane	9.426	83	356025	103.321	ug/l		99
48) Methyl methacrylate	9.225	41	163867	107.875	ug/l		99
49) 1,4-Dioxane	9.237	88	31675	1955.012	ug/l		98
51) 4-Methyl-2-Pentanone	9.999	43	884897	537.390	ug/l		98
52) Toluene	10.170	92	676554	105.821	ug/l		100
53) t-1,3-Dichloropropene	10.395	75	339647	106.548	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	394647	105.579	ug/l		100
55) 1,1,2-Trichloroethane	10.572	97	176386	103.130	ug/l		97
56) Ethyl methacrylate	10.438	69	270253	108.807	ug/l		99
57) 1,3-Dichloropropane	10.719	76	314882	103.374	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	631985	570.744	ug/l		99
59) 2-Hexanone	10.761	43	599356	546.025	ug/l		99
60) Dibromochloromethane	10.914	129	231582	106.862	ug/l		99
61) 1,2-Dibromoethane	11.017	107	162846	103.182	ug/l		97
64) Tetrachloroethene	10.645	164	260085	97.857	ug/l		98
65) Chlorobenzene	11.444	112	700365	103.277	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	241080	104.874	ug/l		99
67) Ethyl Benzene	11.517	91	1343424	106.379	ug/l		100
68) m/p-Xylenes	11.627	106	1027669	215.017	ug/l		99
69) o-Xylene	11.956	106	478106	106.884	ug/l		100
70) Styrene	11.968	104	807331	109.011	ug/l		99
71) Bromoform	12.133	173	129134	106.900	ug/l	#	98
73) Isopropylbenzene	12.255	105	1251781	103.429	ug/l		100
74) N-amyl acetate	12.072	43	331256	108.232	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	201554	102.543	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	153645m	77.478	ug/l		
77) Bromobenzene	12.535	156	260522	101.560	ug/l		99
78) n-propylbenzene	12.596	91	1517453	103.002	ug/l		99
79) 2-Chlorotoluene	12.682	91	801096	102.984	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	983812	103.959	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	72518	104.845	ug/l		97
82) 4-Chlorotoluene	12.779	91	836500	103.758	ug/l		99
83) tert-Butylbenzene	12.999	119	886942	102.740	ug/l		100
84) 1,2,4-Trimethylbenzene	13.041	105	992770	104.854	ug/l		100
85) sec-Butylbenzene	13.175	105	1348209	103.006	ug/l		100
86) p-Isopropyltoluene	13.291	119	1148821	106.760	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	543396	105.879	ug/l		99
88) 1,4-Dichlorobenzene	13.364	146	503842	100.757	ug/l		98
89) n-Butylbenzene	13.621	91	1062595	103.713	ug/l		99
90) Hexachloroethane	13.883	117	213148	101.224	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	447574	101.511	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	29357	98.805	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	255752	106.117	ug/l		97
94) Hexachlorobutadiene	15.023	225	132452	100.622	ug/l		99
95) Naphthalene	15.145	128	499554	108.155	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	213300	104.136	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 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

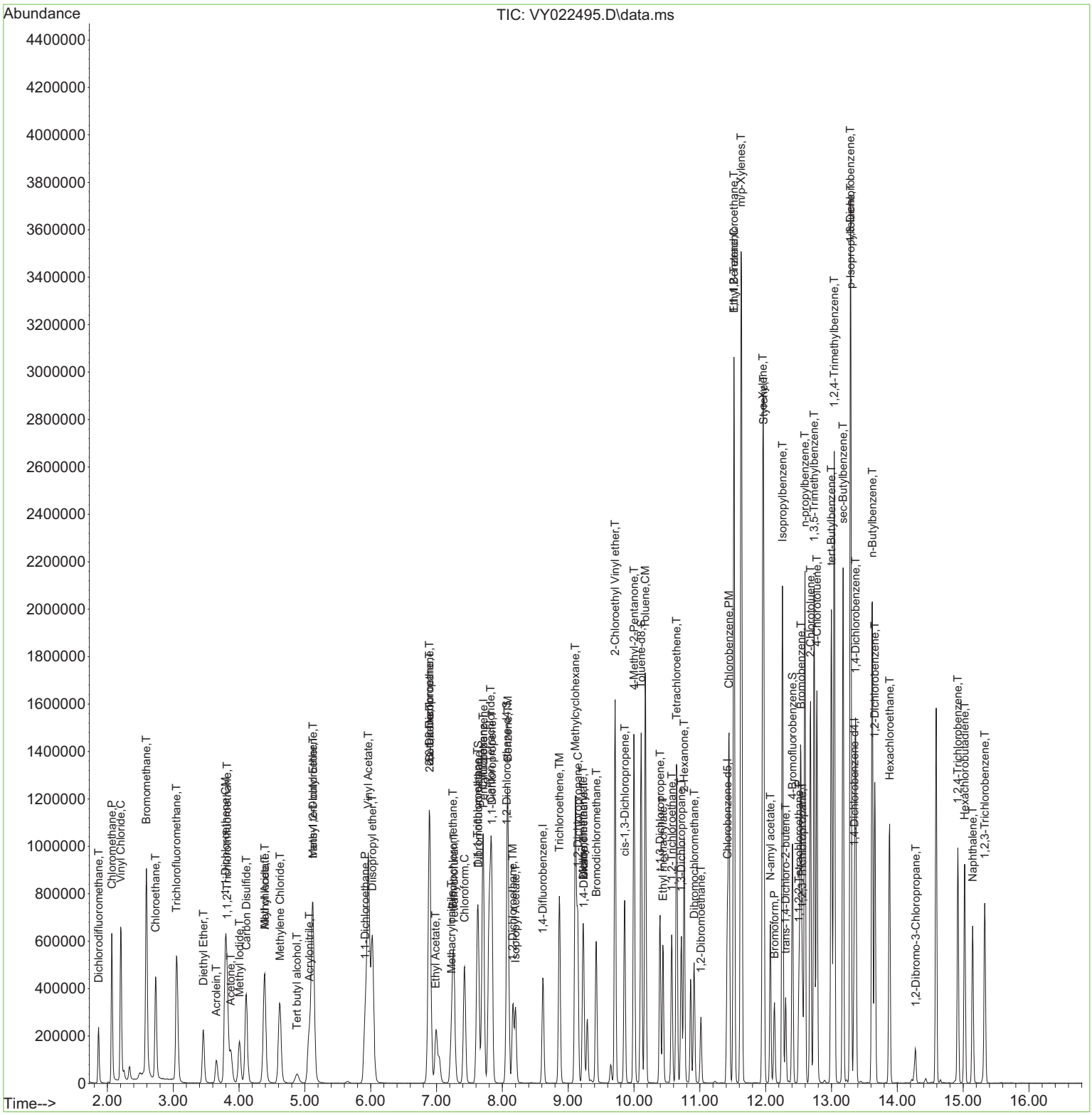
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

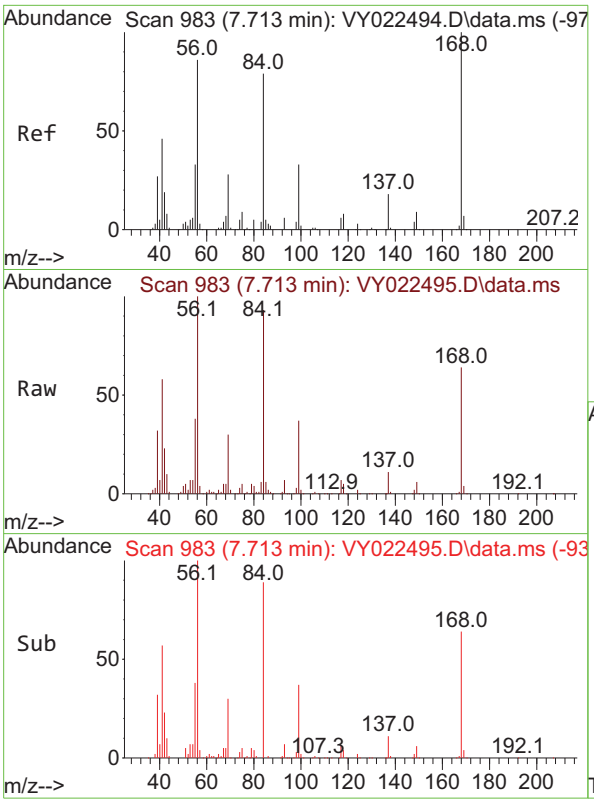
Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

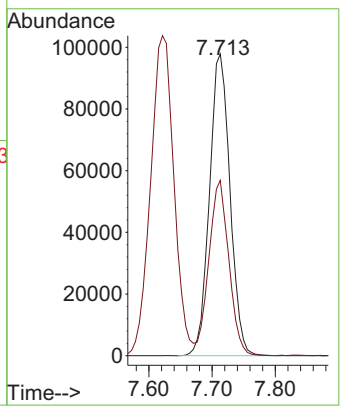




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:168 Resp: 22056

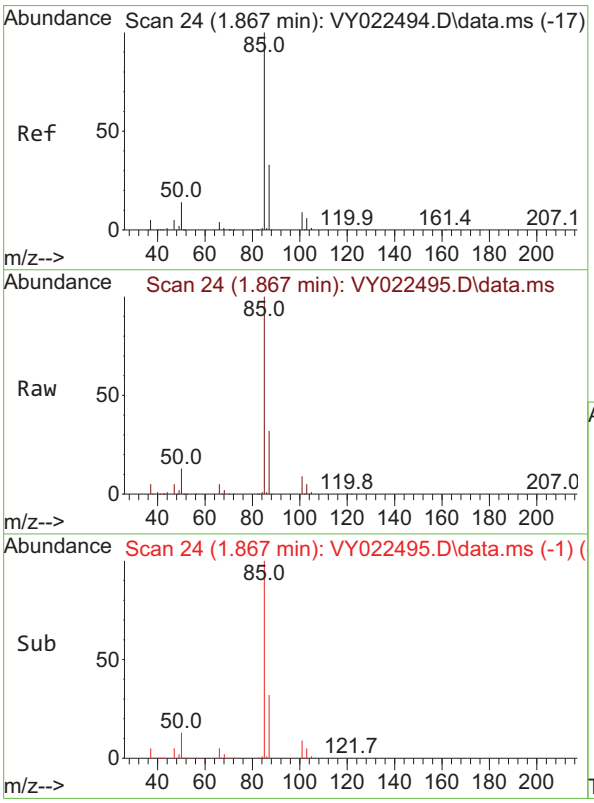
Ion	Ratio	Lower	Upper
168	100		
99	58.1	44.3	66.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

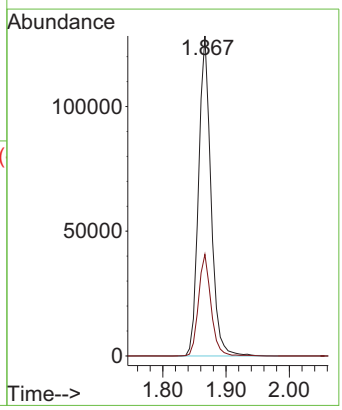
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

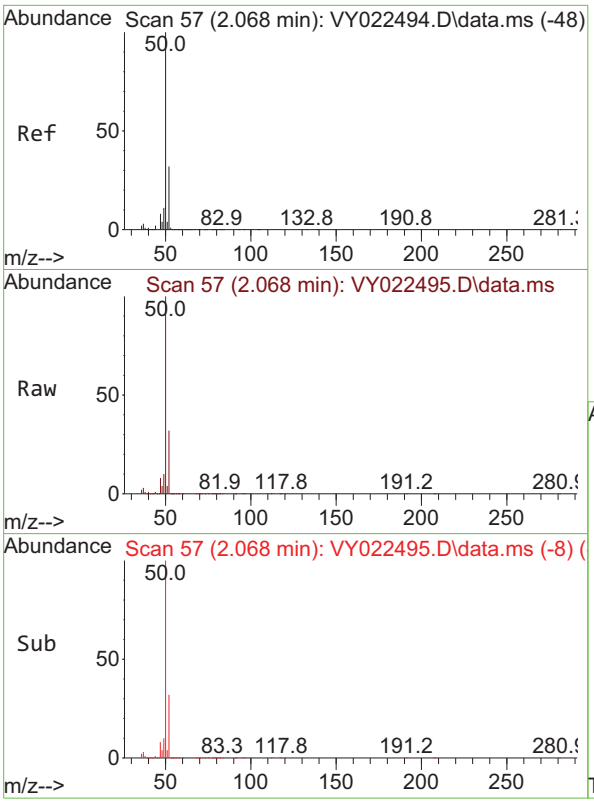


#2
Dichlorodifluoromethane
Concen: 90.872 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 85 Resp: 175145

Ion	Ratio	Lower	Upper
85	100		
87	31.8	16.7	50.0

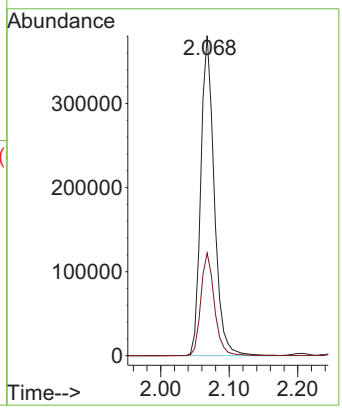




#3
Chloromethane
Concen: 91.429 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 50 Resp: 51985

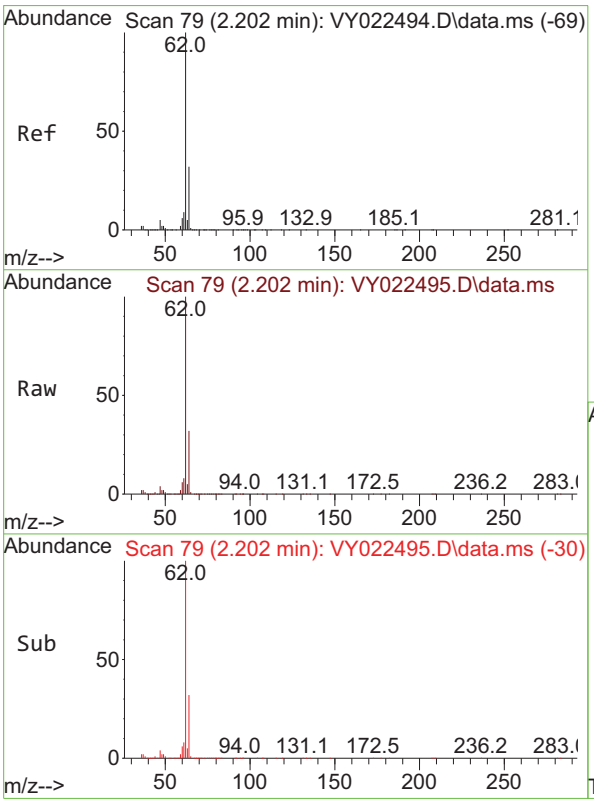
Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

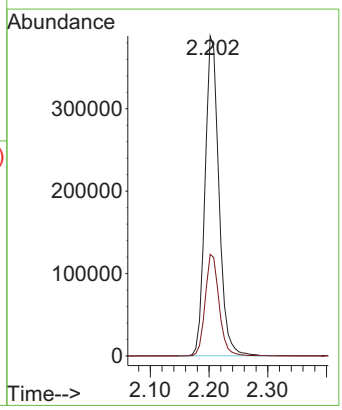
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

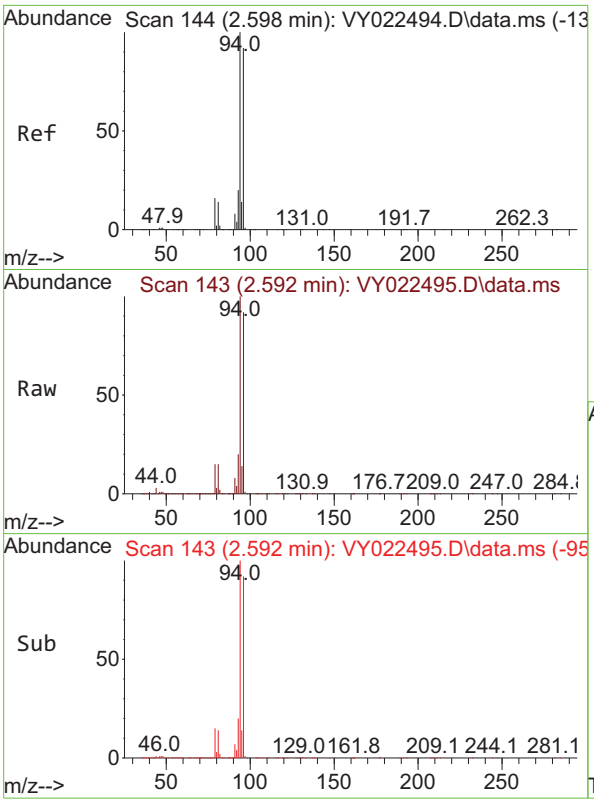


#4
Vinyl Chloride
Concen: 95.695 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 62 Resp: 636843

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.3	37.9





#5
Bromomethane
Concen: 93.980 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

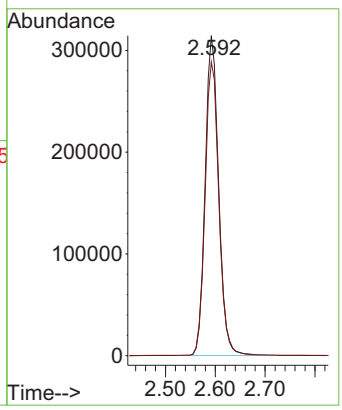
Tgt Ion: 94 Resp: 59158

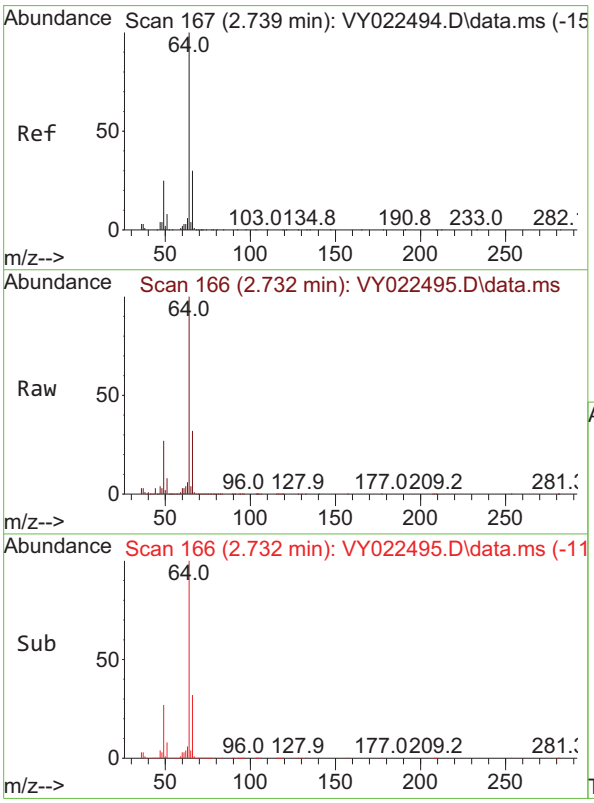
Ion	Ratio	Lower	Upper
94	100		
96	91.7	74.0	111.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

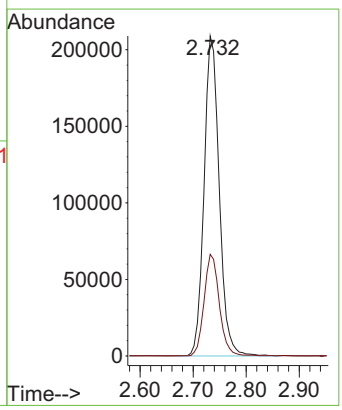


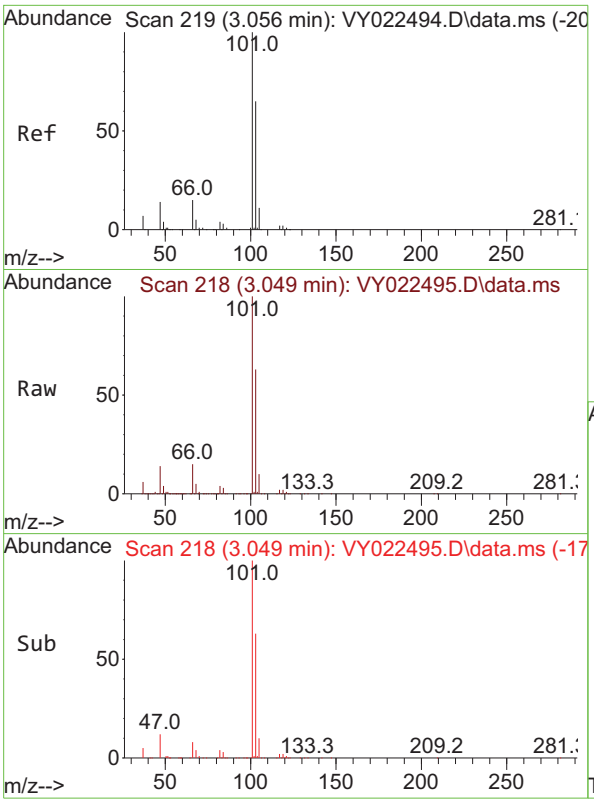


#6
Chloroethane
Concen: 91.070 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 64 Resp: 414935

Ion	Ratio	Lower	Upper
64	100		
66	31.7	23.8	35.6

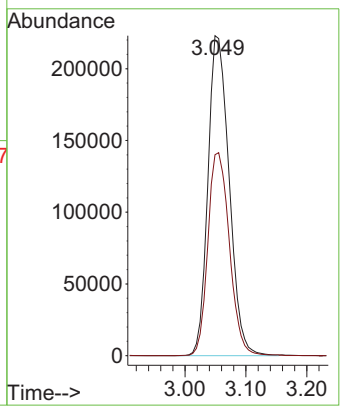




#7
Trichlorofluoromethane
Concen: 95.384 ug/l
RT: 3.049 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:101 Resp: 53932

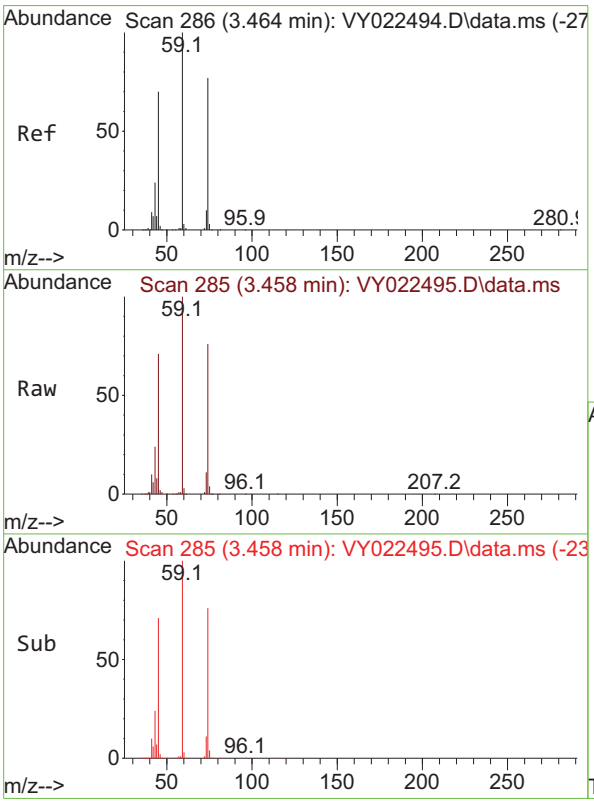
Ion	Ratio	Lower	Upper
101	100		
103	62.8	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

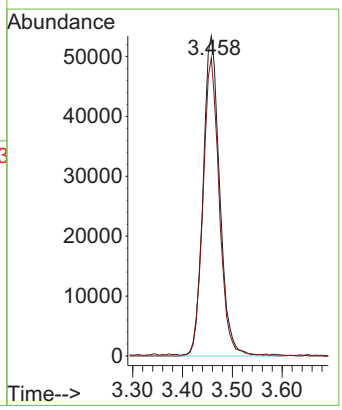
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

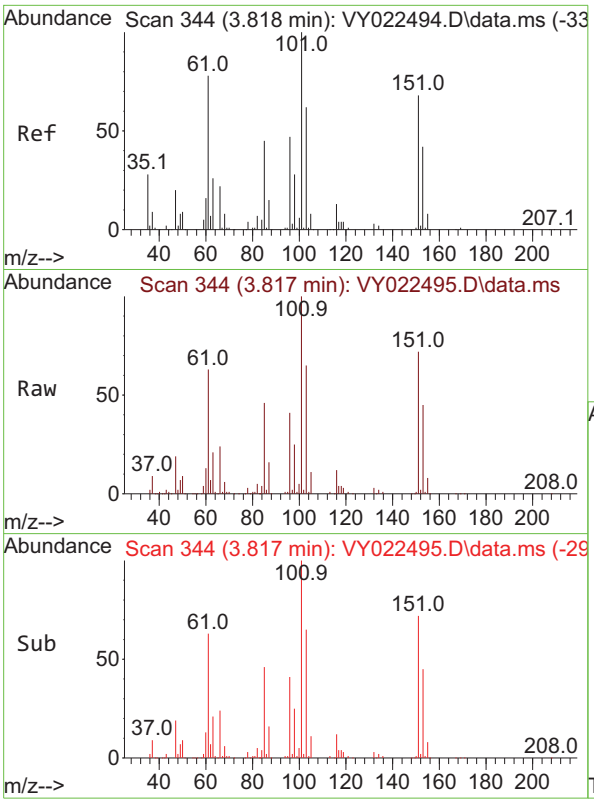


#8
Diethyl Ether
Concen: 98.428 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 74 Resp: 122923

Ion	Ratio	Lower	Upper
74	100		
45	90.6	45.9	137.6

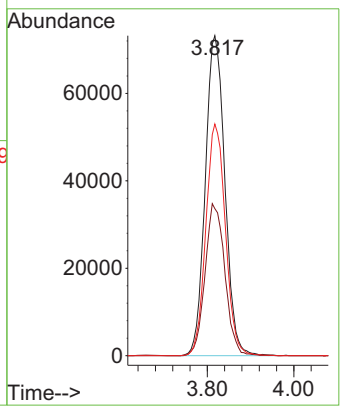




#9
1,1,2-Trichlorotrifluoroethane
Concen: 97.074 ug/l
RT: 3.817 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:101 Resp: 23024

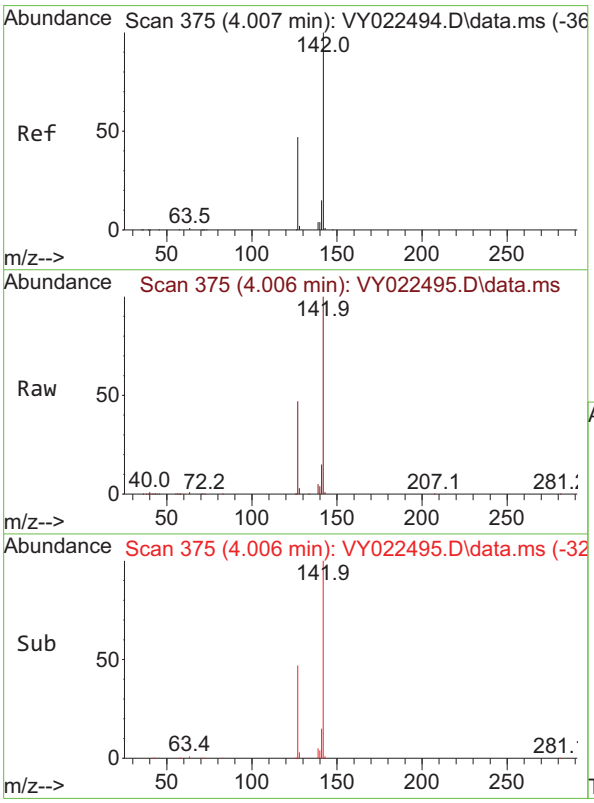
Ion	Ratio	Lower	Upper
101	100		
85	48.1	39.3	58.9
151	72.4	57.8	86.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

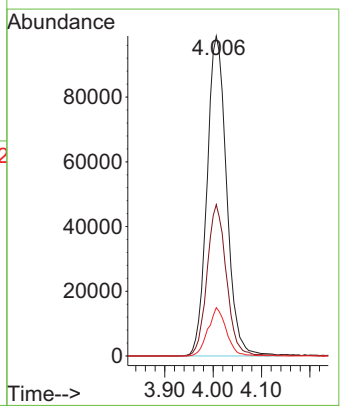
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

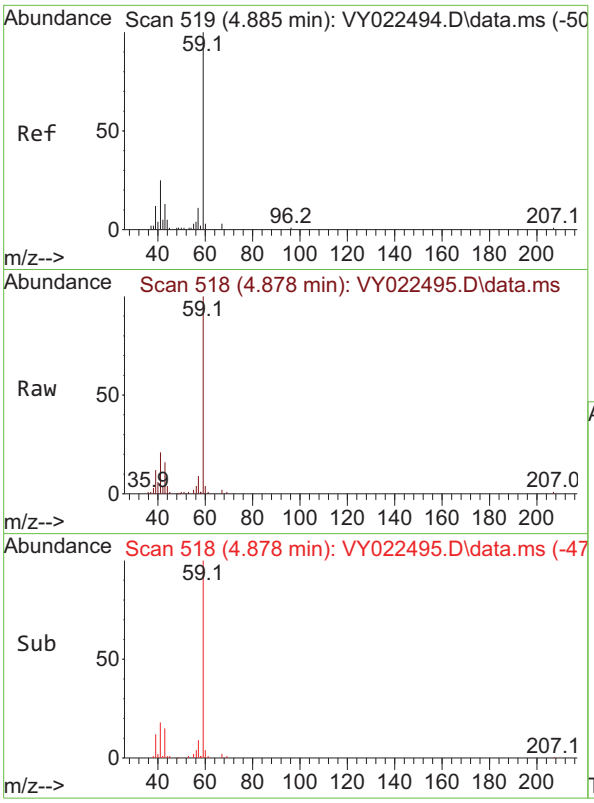


#10
Methyl Iodide
Concen: 109.525 ug/l
RT: 4.006 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:142 Resp: 278576

Ion	Ratio	Lower	Upper
142	100		
127	47.0	37.1	55.7
141	14.2	11.4	17.2

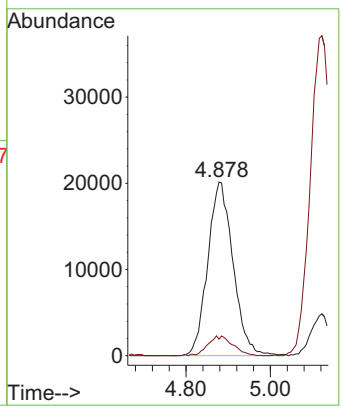




#11
Tert butyl alcohol
Concen: 489.395 ug/l
RT: 4.878 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 59 Resp: 8390

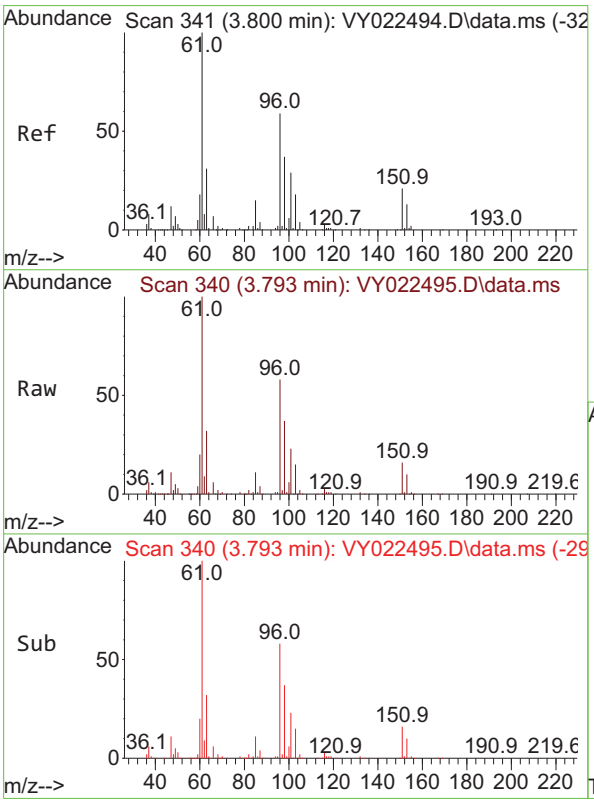
Ion	Ratio	Lower	Upper
59	100		
57	5.4	8.0	12.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

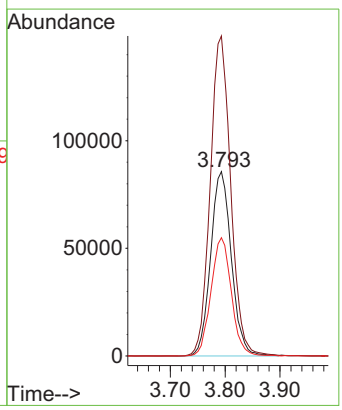
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

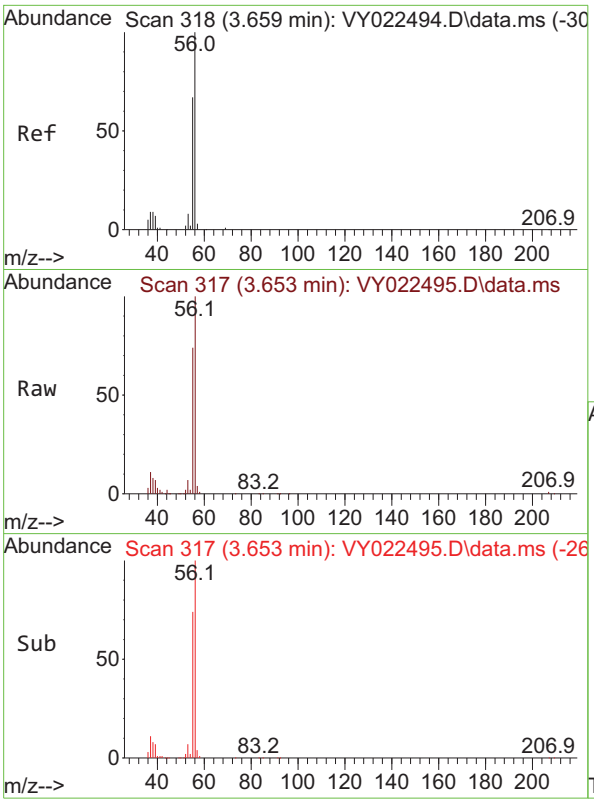


#12
1,1-Dichloroethene
Concen: 99.317 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 96 Resp: 224855

Ion	Ratio	Lower	Upper
96	100		
61	173.6	134.6	201.8
98	64.1	50.2	75.4

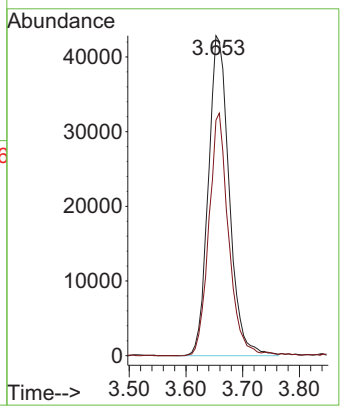




#13
Acrolein
Concen: 522.746 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 56 Resp: 10939

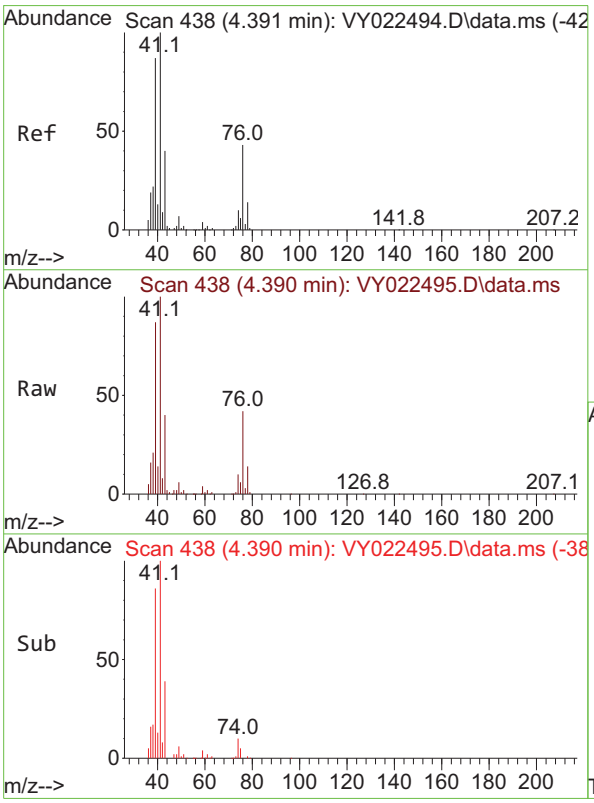
Ion	Ratio	Lower	Upper
56	100		
55	71.1	57.0	85.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

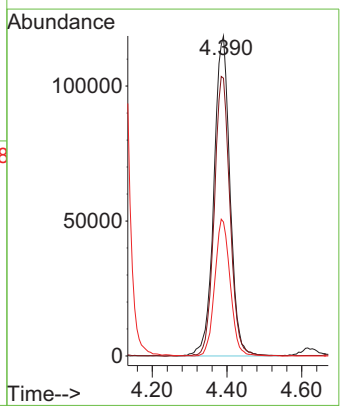
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

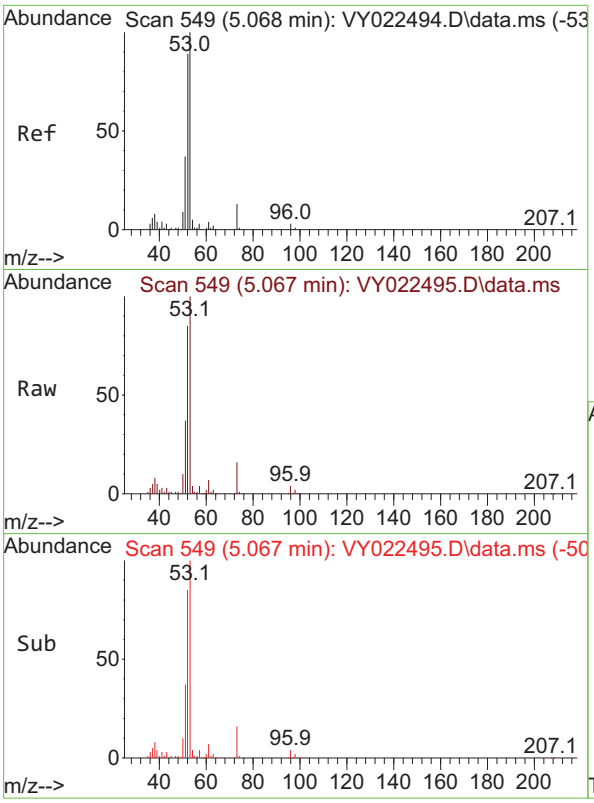


#14
Allyl chloride
Concen: 100.560 ug/l
RT: 4.390 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 41 Resp: 354774

Ion	Ratio	Lower	Upper
41	100		
39	85.0	69.1	103.7
76	40.8	33.5	50.3

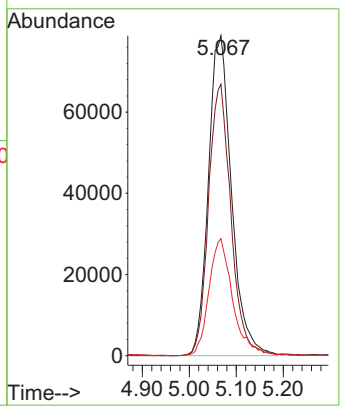




#15
Acrylonitrile
Concen: 507.168 ug/l
RT: 5.067 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 53 Resp: 26941

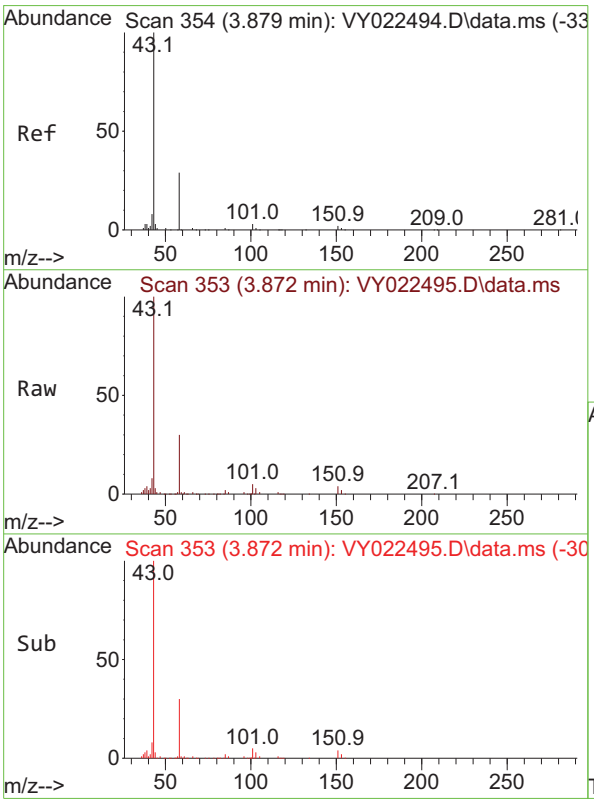
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.7	98.5
51	37.8	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

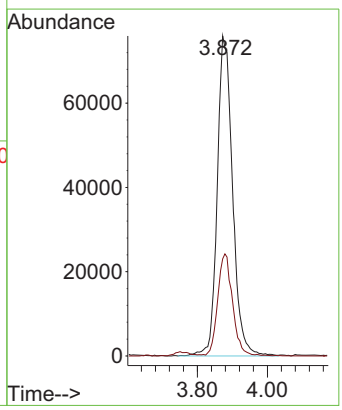
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

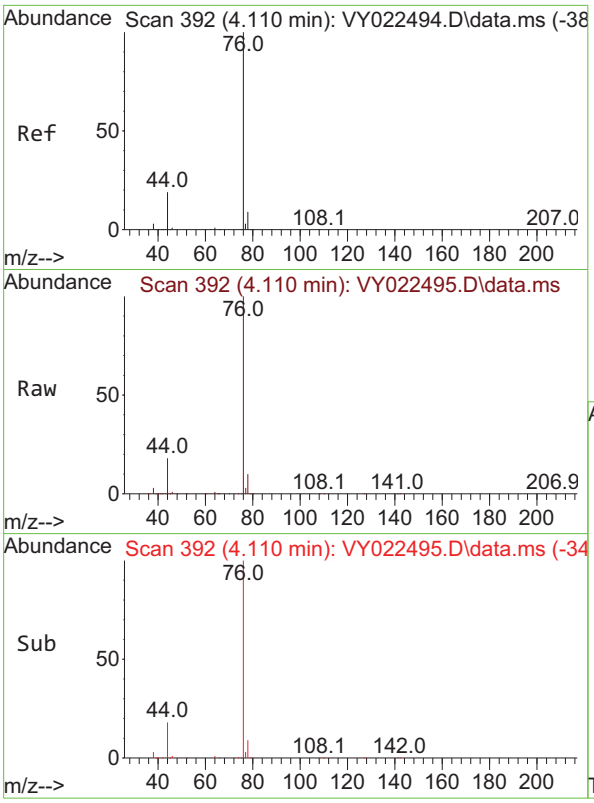


#16
Acetone
Concen: 487.310 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 231202

Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.0	36.0





#17
Carbon Disulfide
Concen: 99.952 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

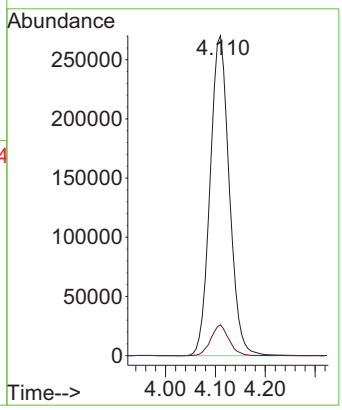
Tgt Ion: 76 Resp: 72250

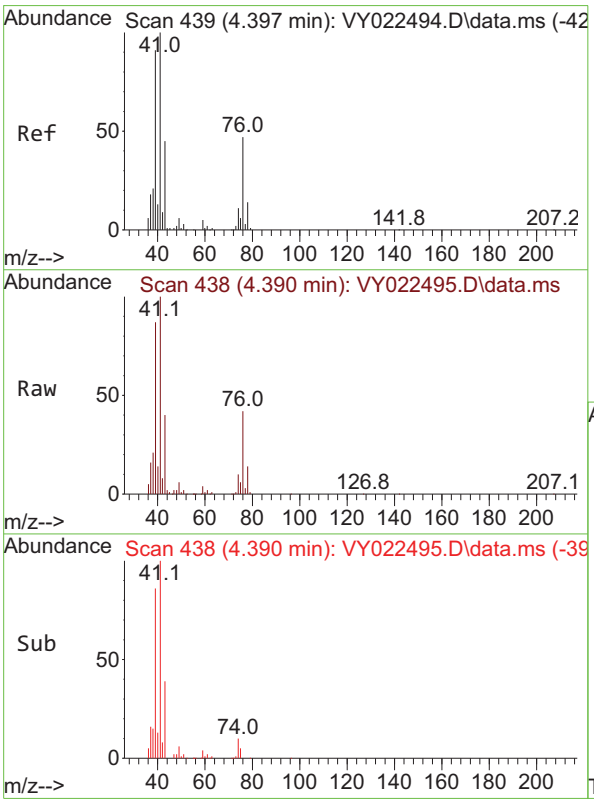
Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

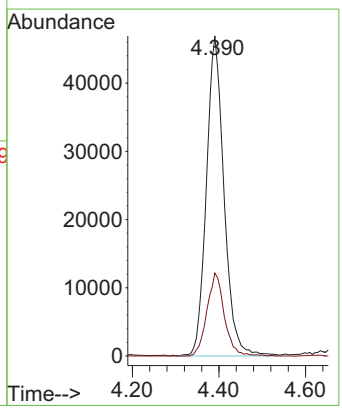


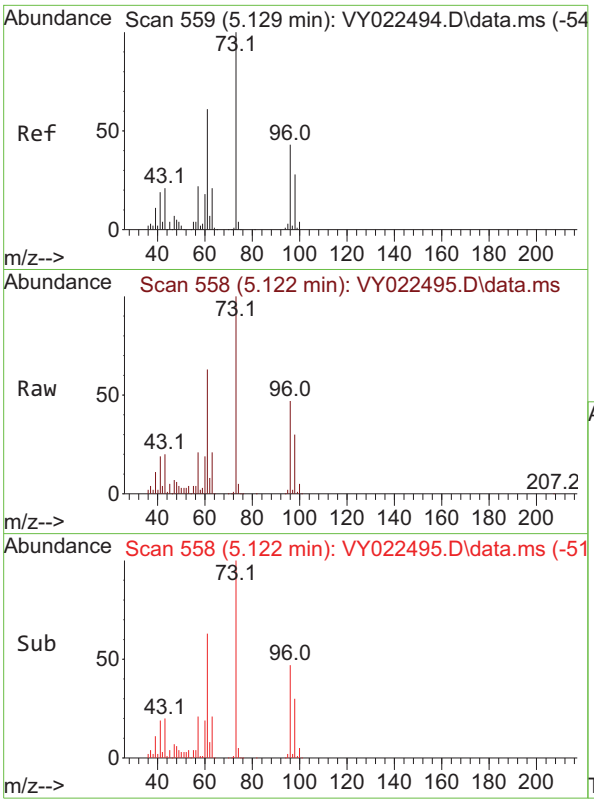


#18
Methyl Acetate
Concen: 92.907 ug/l
RT: 4.390 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 132608

Ion	Ratio	Lower	Upper
43	100		
74	25.5	19.8	29.6

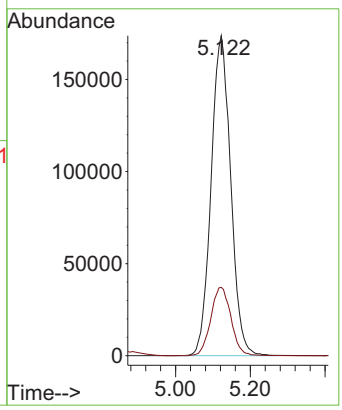




#19
Methyl tert-butyl Ether
Concen: 100.187 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 73 Resp: 63287

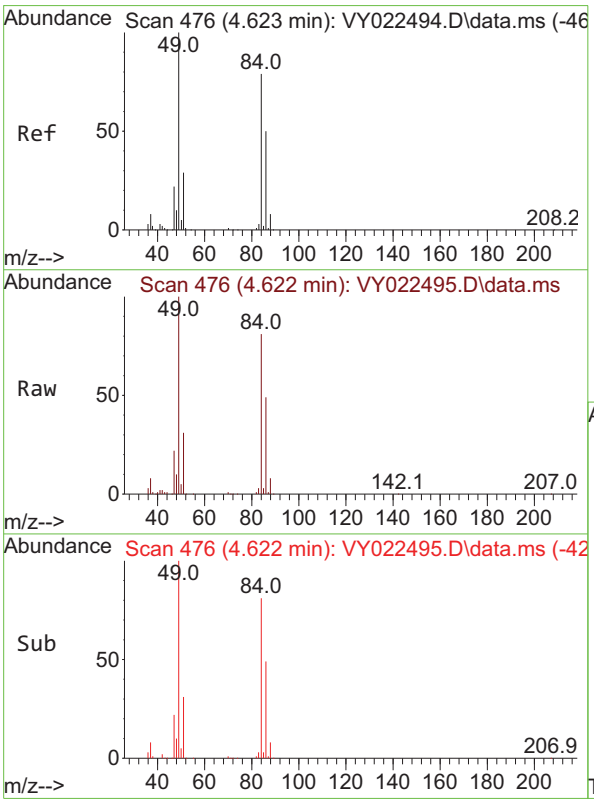
Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

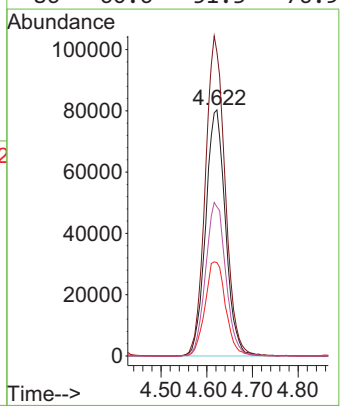
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

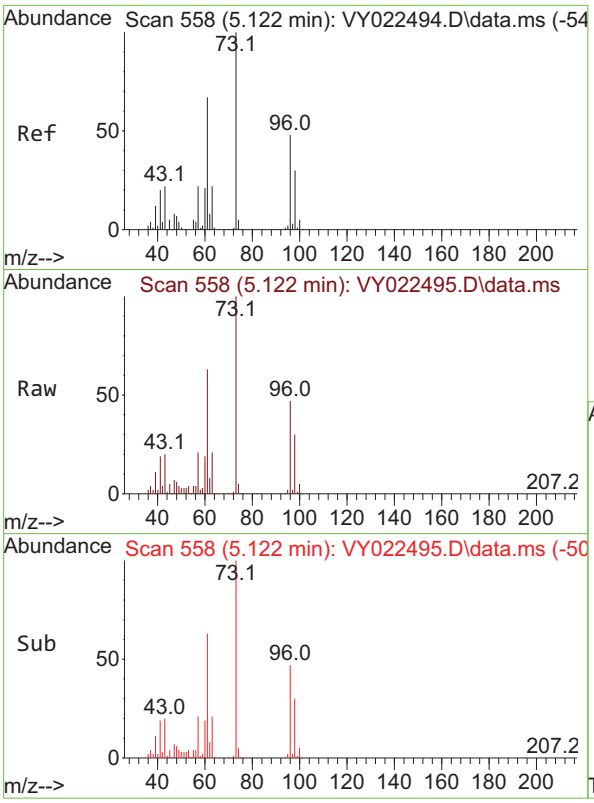


#20
Methylene Chloride
Concen: 91.318 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 84 Resp: 241903

Ion	Ratio	Lower	Upper
84	100		
49	123.5	101.9	152.9
51	38.0	29.8	44.8
86	60.6	51.3	76.9

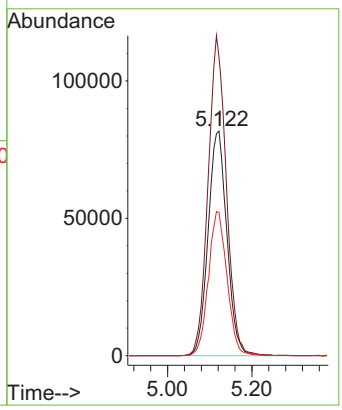




#21
trans-1,2-Dichloroethene
Concen: 100.103 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 96 Resp: 25318

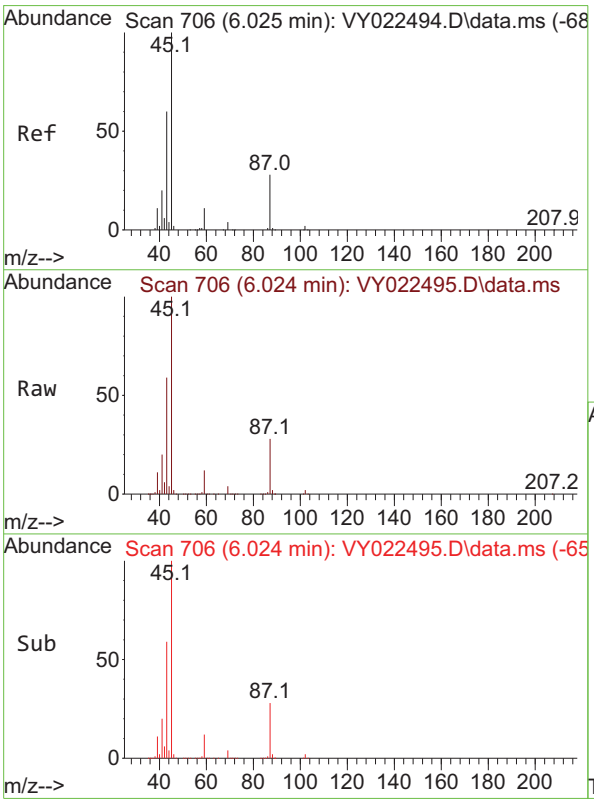
Ion	Ratio	Lower	Upper
96	100		
61	132.9	112.6	169.0
98	63.7	50.6	75.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

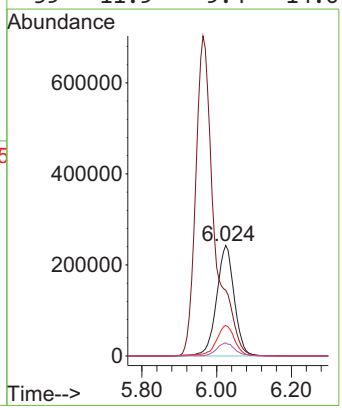
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

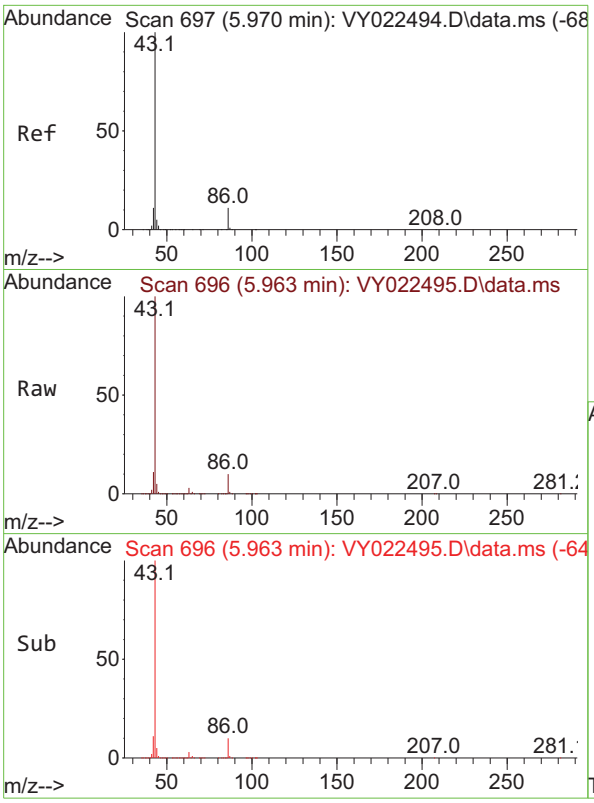


#22
Diisopropyl ether
Concen: 101.232 ug/l
RT: 6.024 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 45 Resp: 794164

Ion	Ratio	Lower	Upper
45	100		
43	59.3	48.3	72.5
87	27.6	23.0	34.6
59	11.9	9.4	14.0





#23
Vinyl Acetate
Concen: 520.866 ug/l
RT: 5.963 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

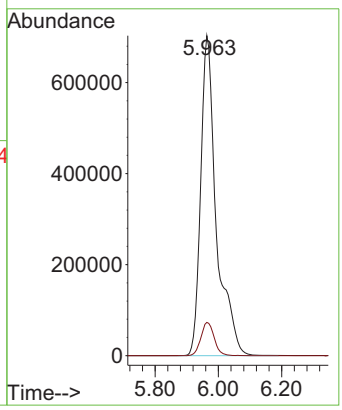
Tgt Ion: 43 Resp: 242413

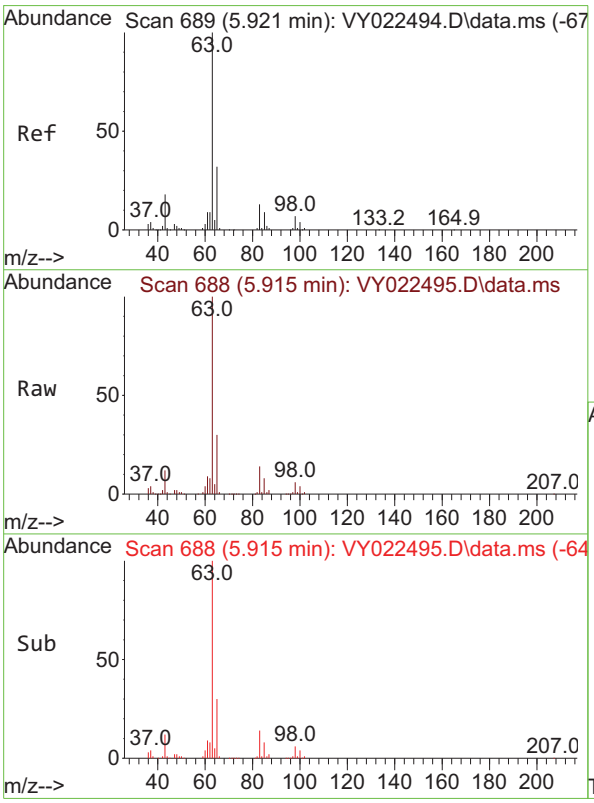
Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.6	12.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

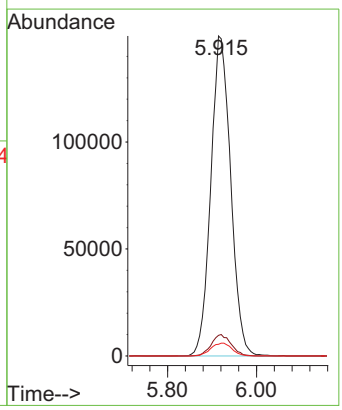


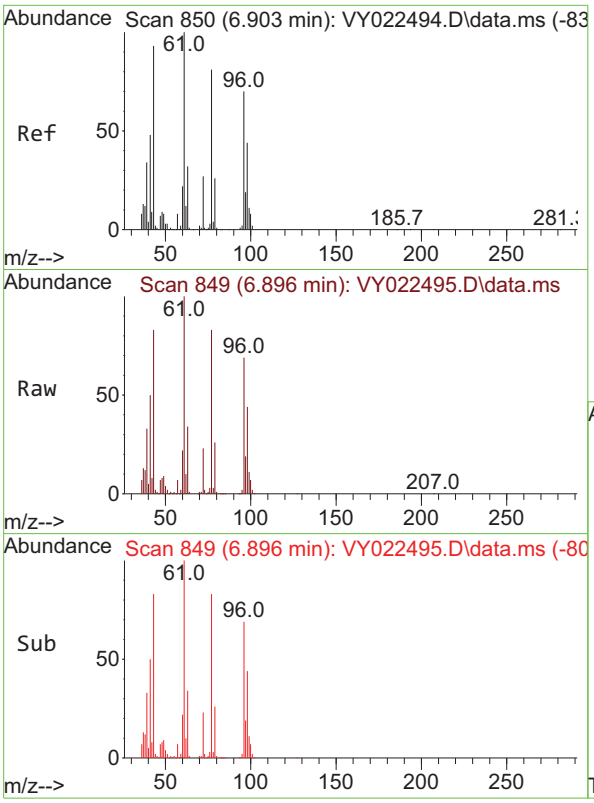


#24
1,1-Dichloroethane
Concen: 99.980 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 63 Resp: 463641

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.1
100	3.7	2.1	6.3





#25
2-Butanone
Concen: 512.798 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

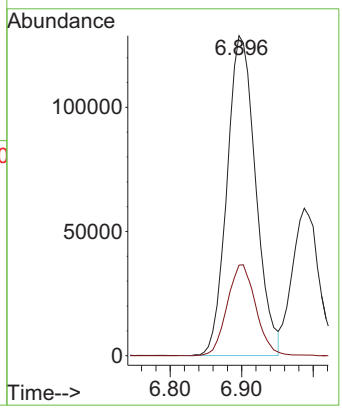
Tgt Ion: 43 Resp: 35888

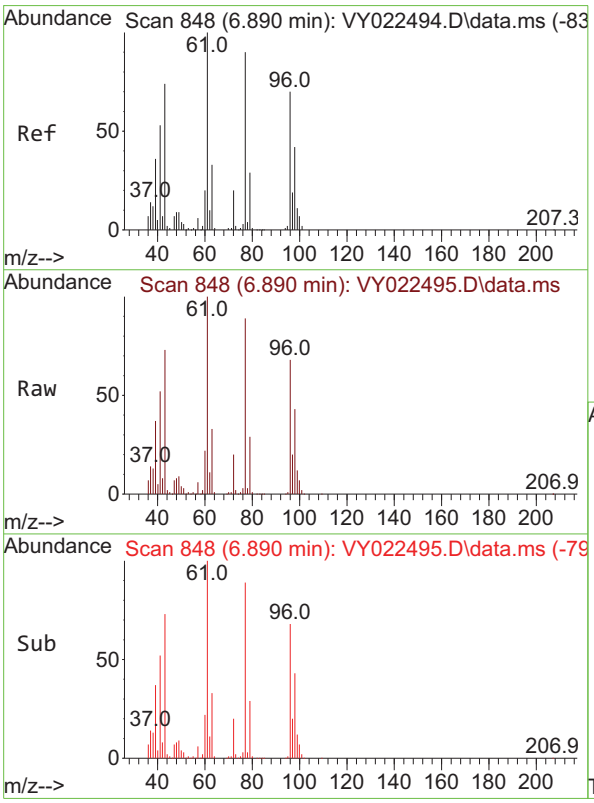
Ion	Ratio	Lower	Upper
43	100		
72	28.3	22.9	34.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

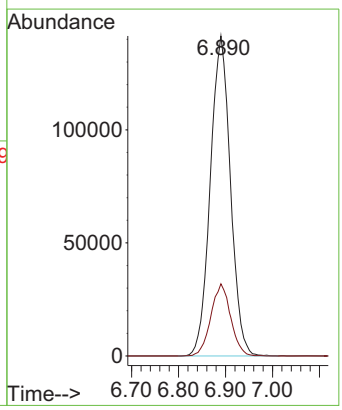


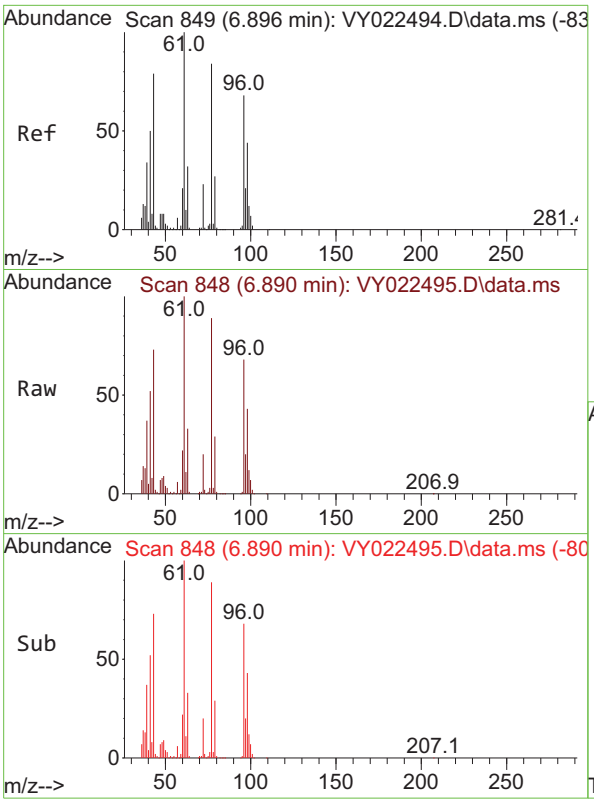


#26
2,2-Dichloropropane
Concen: 101.961 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 77 Resp: 420323

Ion	Ratio	Lower	Upper
77	100		
97	22.2	11.4	34.2





#27
cis-1,2-Dichloroethene
Concen: 100.858 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

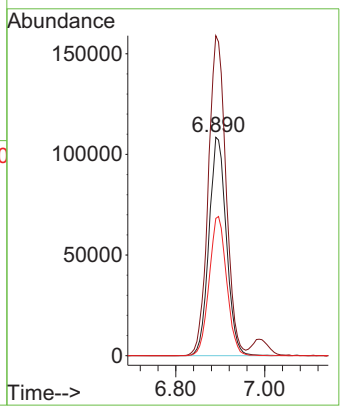
Tgt Ion: 96 Resp: 29483

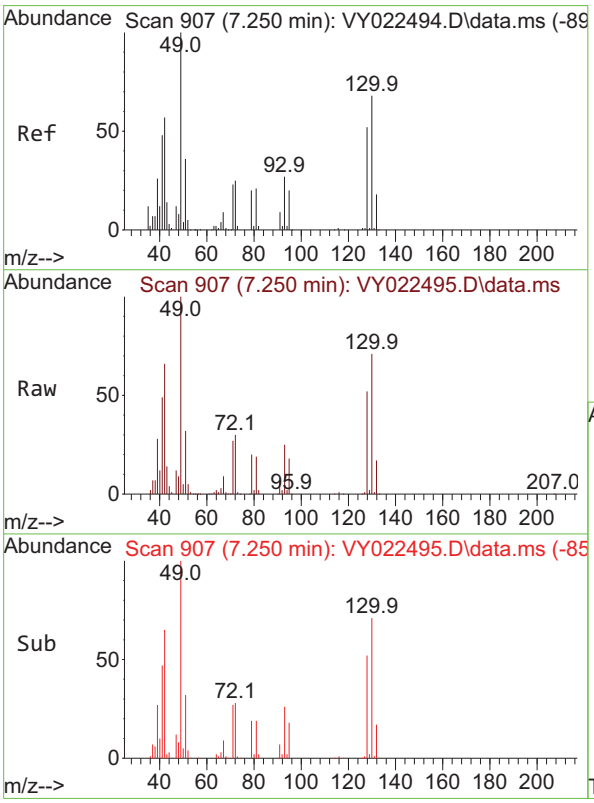
Ion	Ratio	Lower	Upper
96	100		
61	149.1	0.0	290.0
98	64.1	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

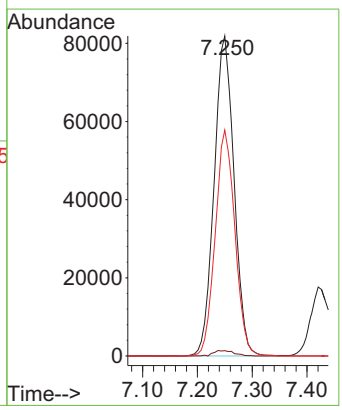


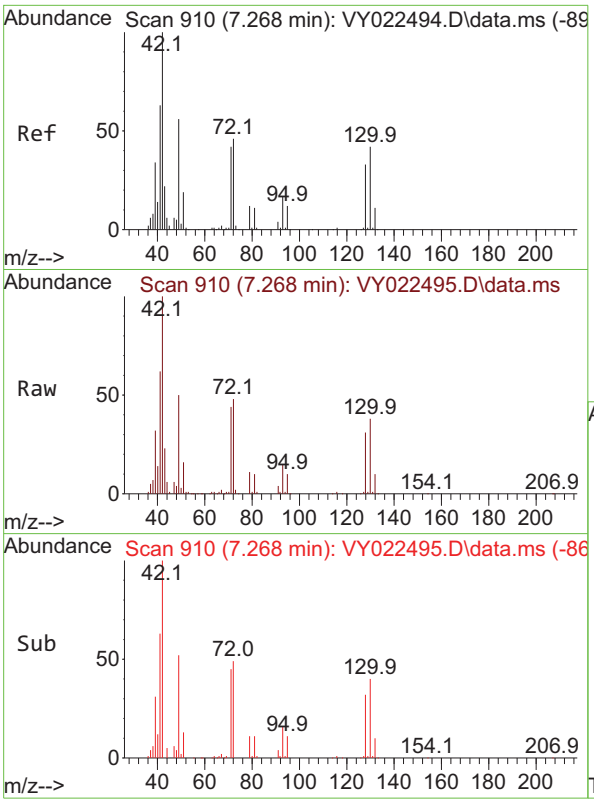


#28
Bromochloromethane
Concen: 103.263 ug/l
RT: 7.250 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 49 Resp: 206906

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	69.7	55.7	83.5

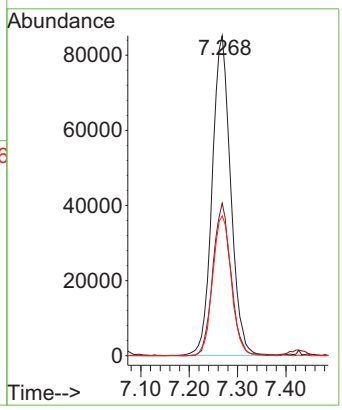




#29
Tetrahydrofuran
Concen: 501.243 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 42 Resp: 22629

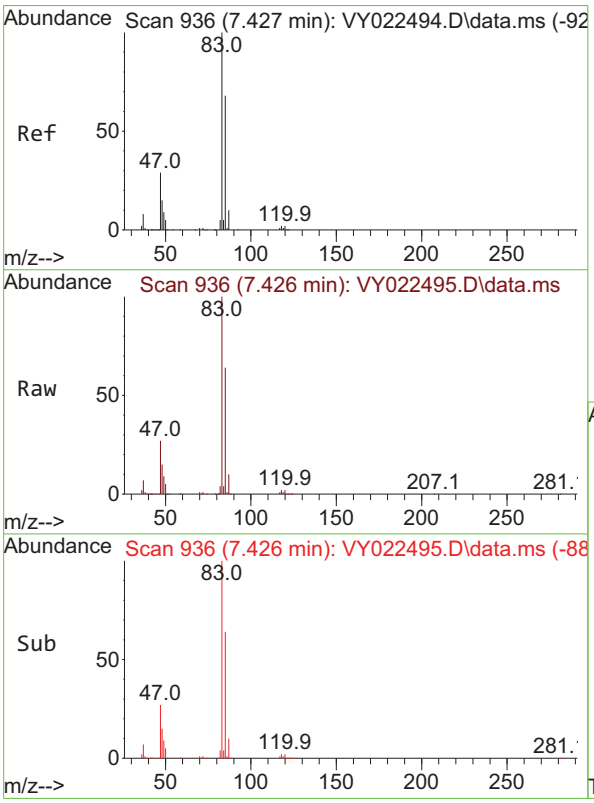
Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.4	56.2
71	44.1	34.2	51.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

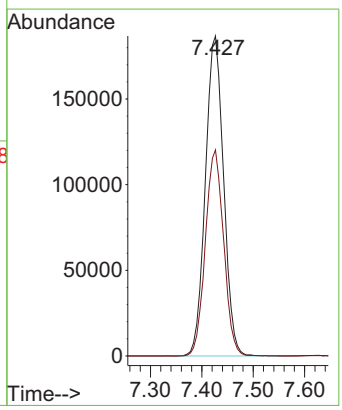
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

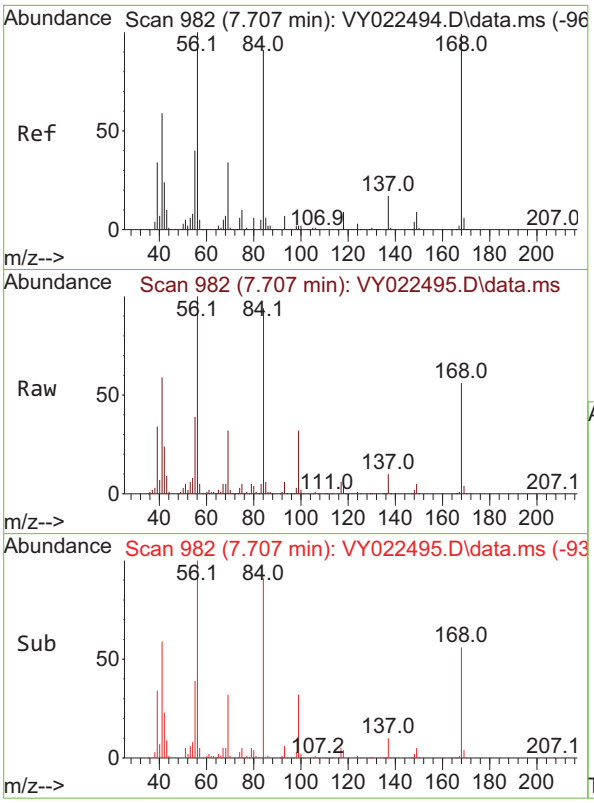


#30
Chloroform
Concen: 100.373 ug/l
RT: 7.426 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 83 Resp: 459957

Ion	Ratio	Lower	Upper
83	100		
85	64.4	54.2	81.4

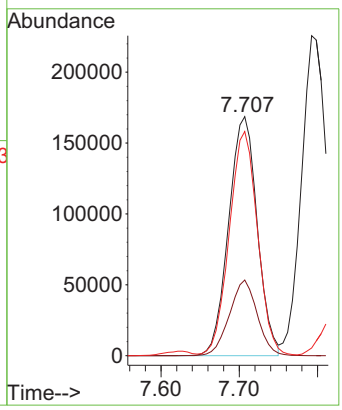




#31
Cyclohexane
Concen: 91.723 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 56 Resp: 42807

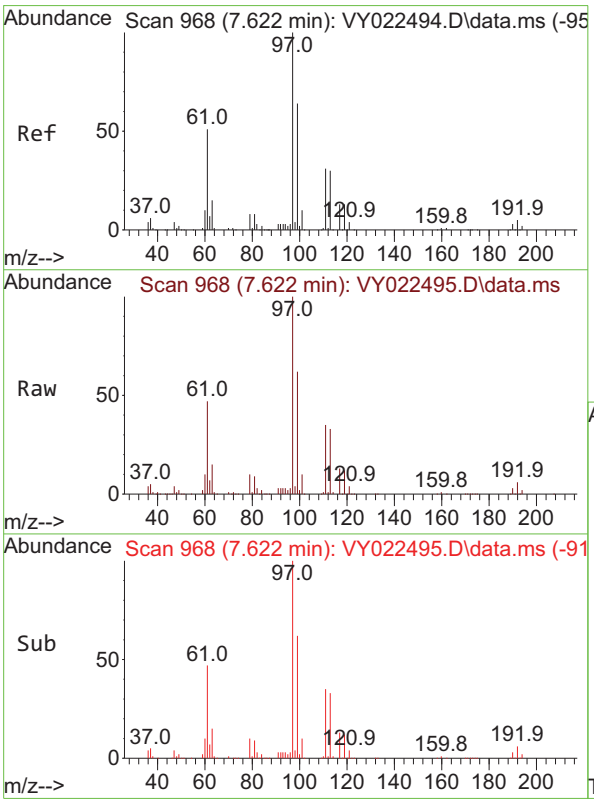
Ion	Ratio	Lower	Upper
56	100		
69	31.6	27.0	40.6
84	91.9	72.6	109.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

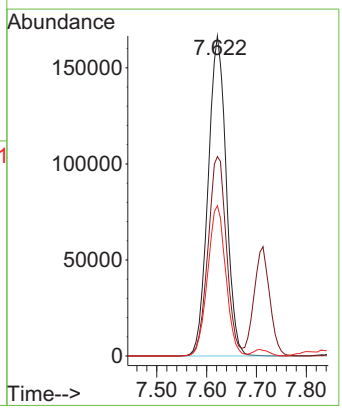
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

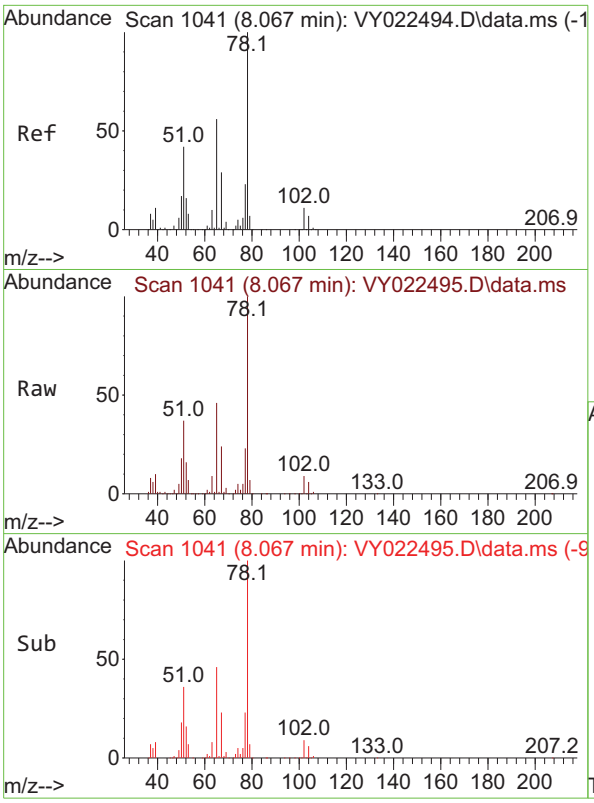


#32
1,1,1-Trichloroethane
Concen: 102.410 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 97 Resp: 419389

Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.9	76.3
61	47.3	38.5	57.7





#33
1,2-Dichloroethane-d4
Concen: 101.553 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

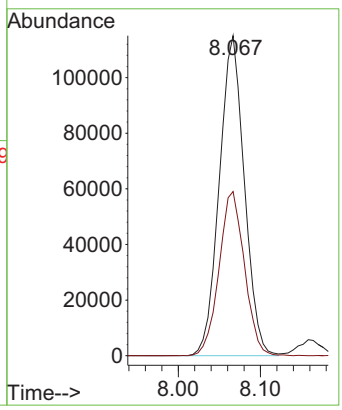
Tgt Ion: 65 Resp: 24372

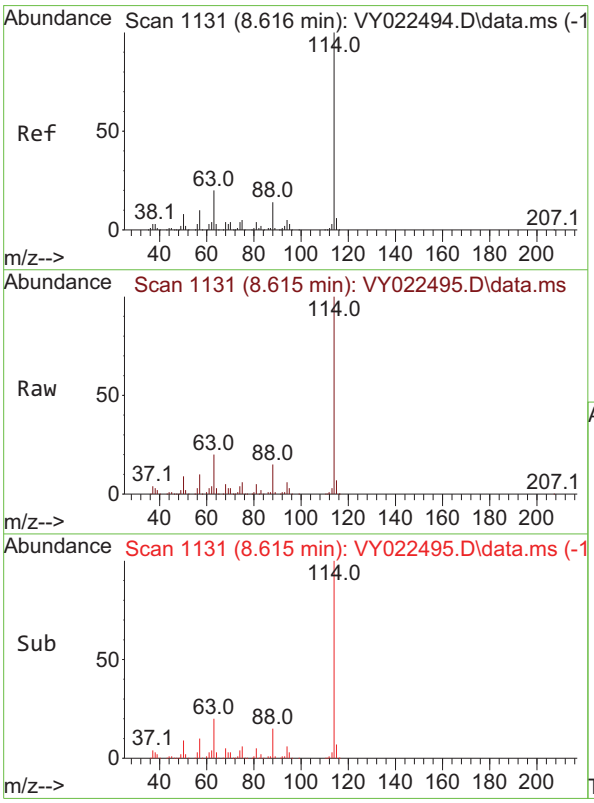
Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

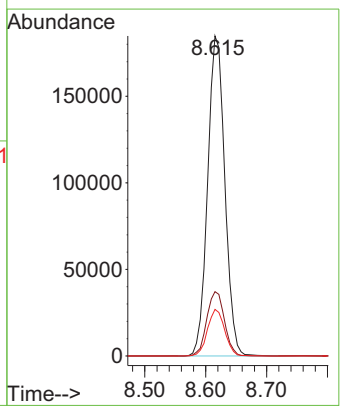


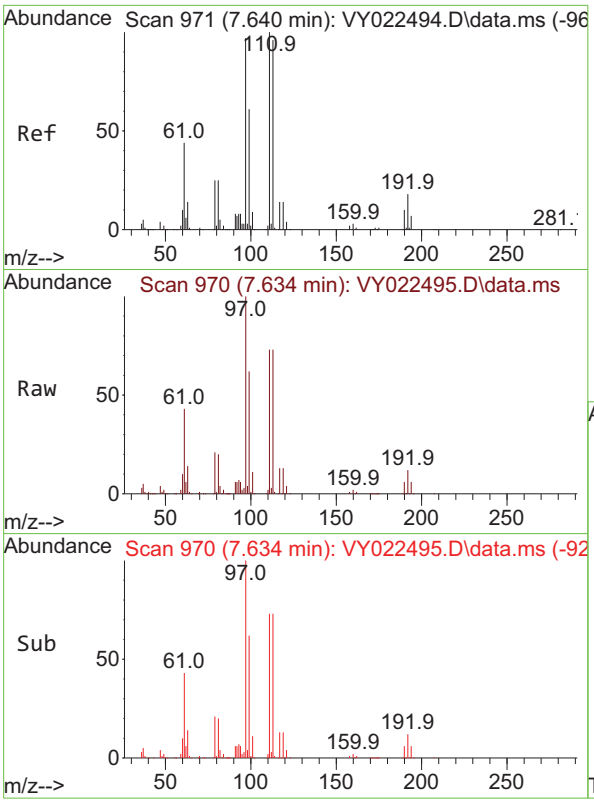


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:114 Resp: 362519

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.8
88	14.5	0.0	27.8

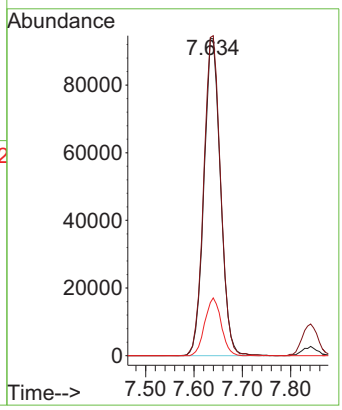




#35
Dibromofluoromethane
Concen: 104.234 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:113 Resp: 22244

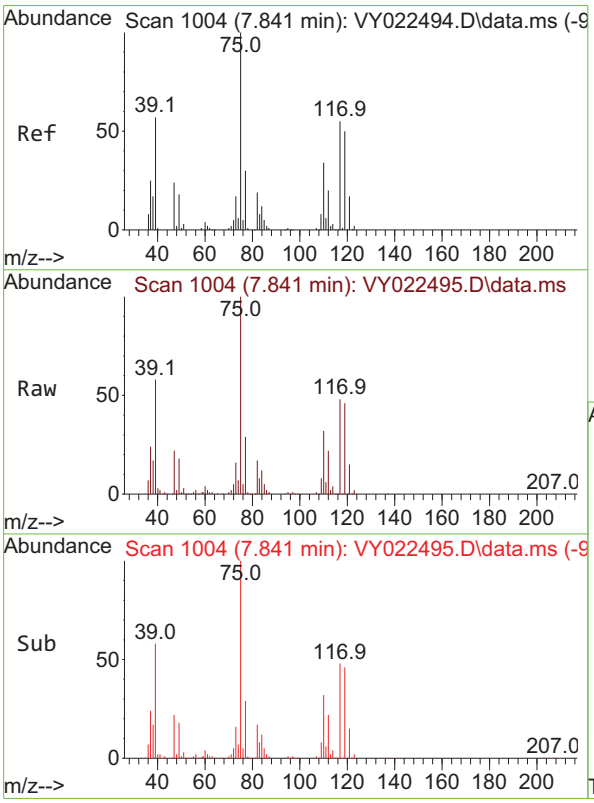
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.1	121.7
192	18.2	14.2	21.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

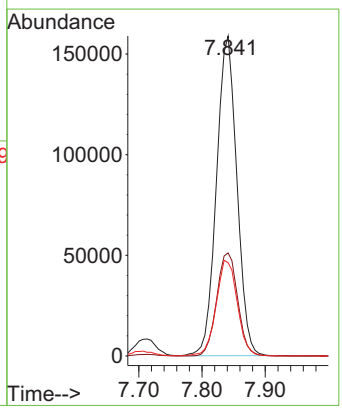
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

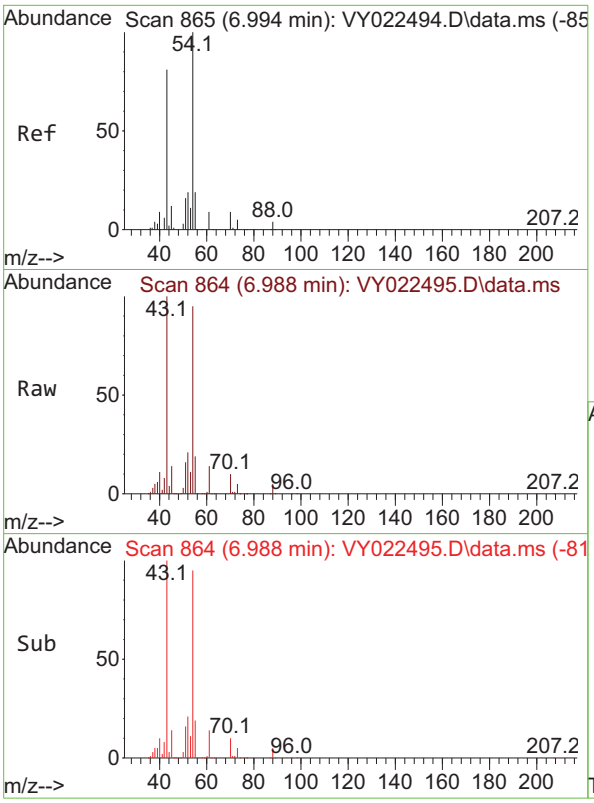


#36
1,1-Dichloropropene
Concen: 103.070 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 75 Resp: 355563

Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.9	50.7
77	31.1	24.8	37.2





#37
Ethyl Acetate
Concen: 105.336 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

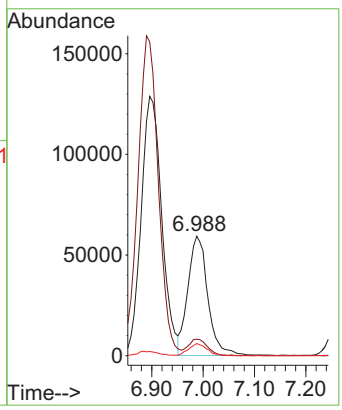
Tgt Ion: 43 Resp: 15992

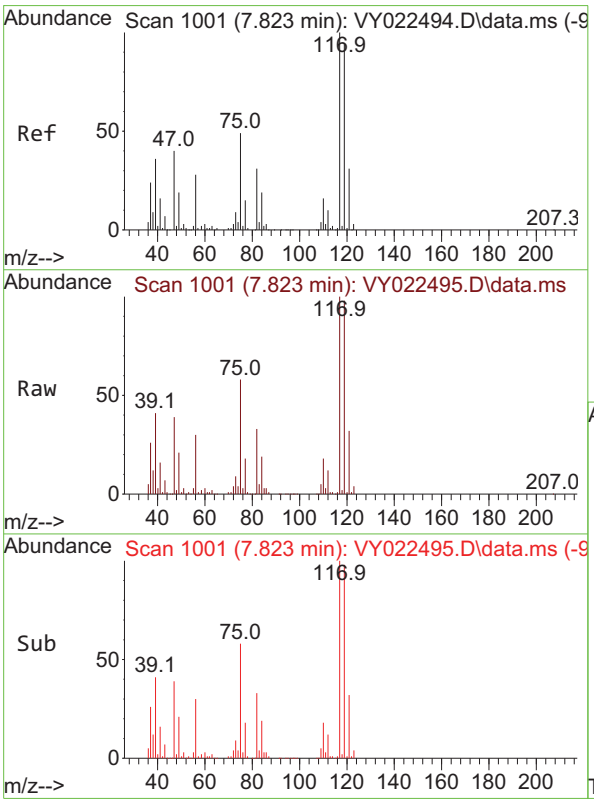
Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.5	17.3
70	9.3	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

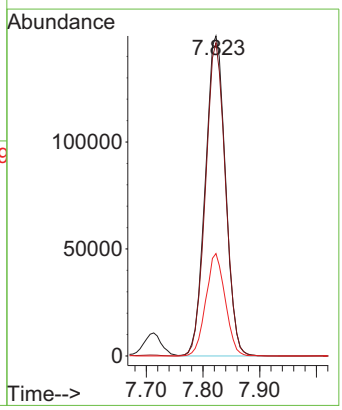


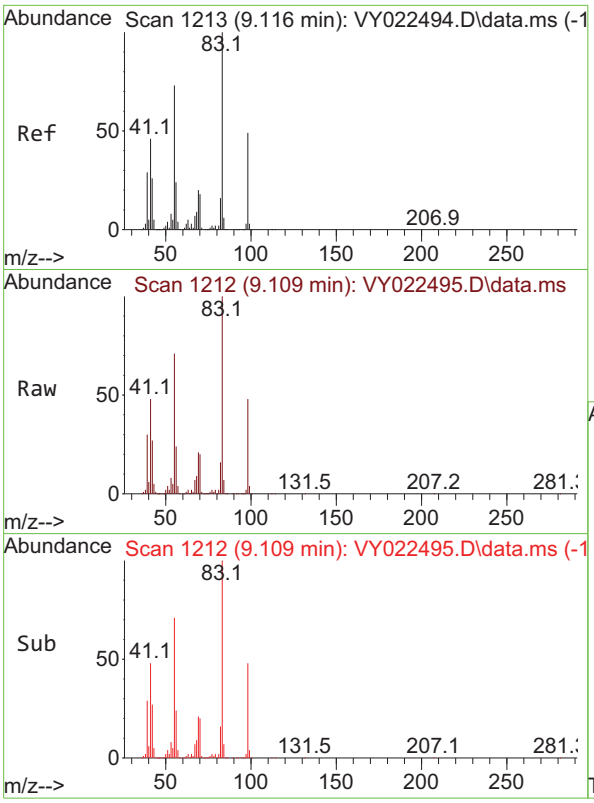


#38
Carbon Tetrachloride
Concen: 103.651 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:117 Resp: 368617

Ion	Ratio	Lower	Upper
117	100		
119	97.9	75.0	112.6
121	32.0	25.0	37.4





#39
Methylcyclohexane
Concen: 103.323 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

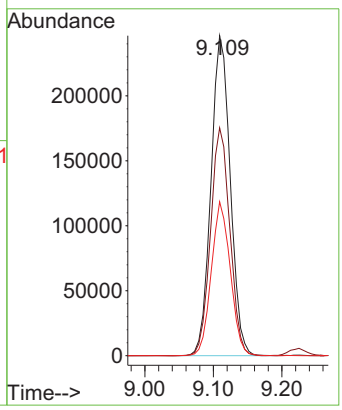
Tgt Ion: 83 Resp: 48151

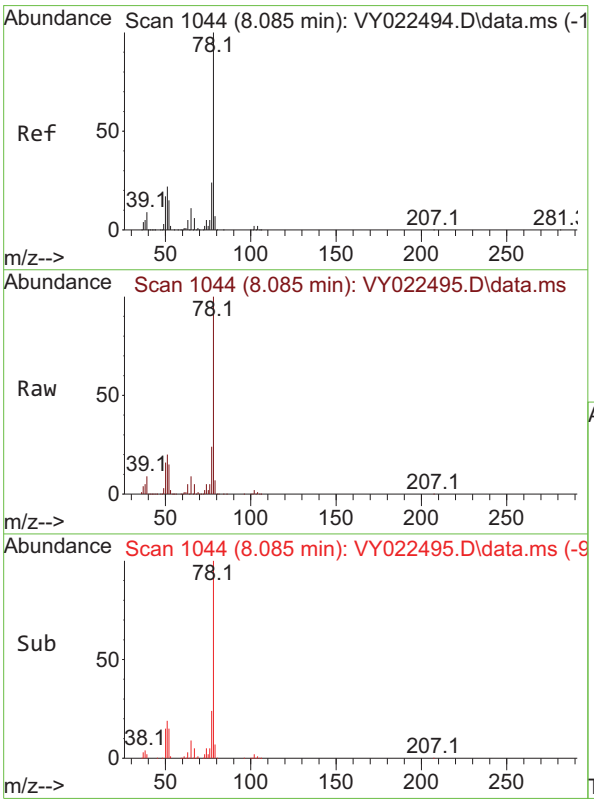
Ion	Ratio	Lower	Upper
83	100		
55	71.2	58.1	87.1
98	48.1	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

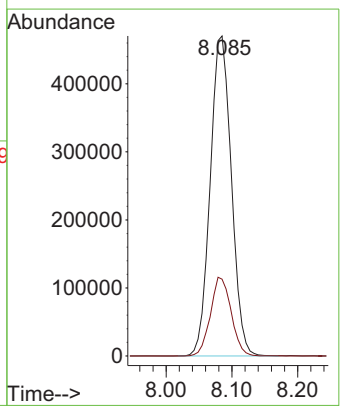


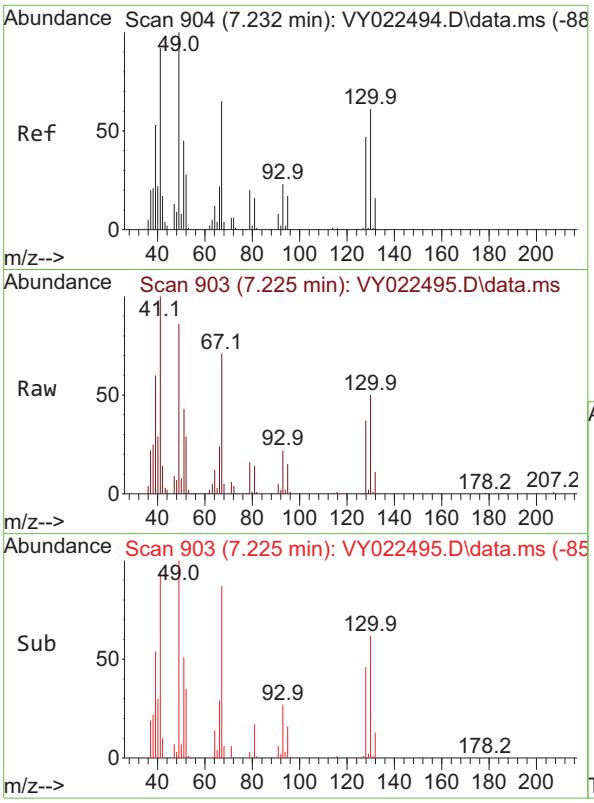


#40
Benzene
Concen: 103.542 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 78 Resp: 1052881

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9

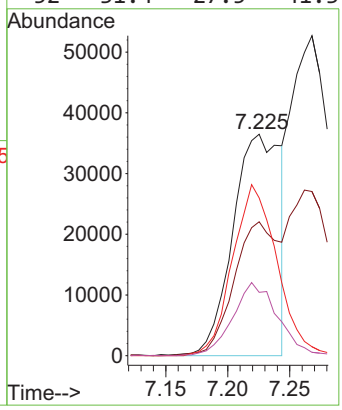




#41
Methacrylonitrile
Concen: 99.893 ug/l m
RT: 7.225 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 41 Resp: 9767

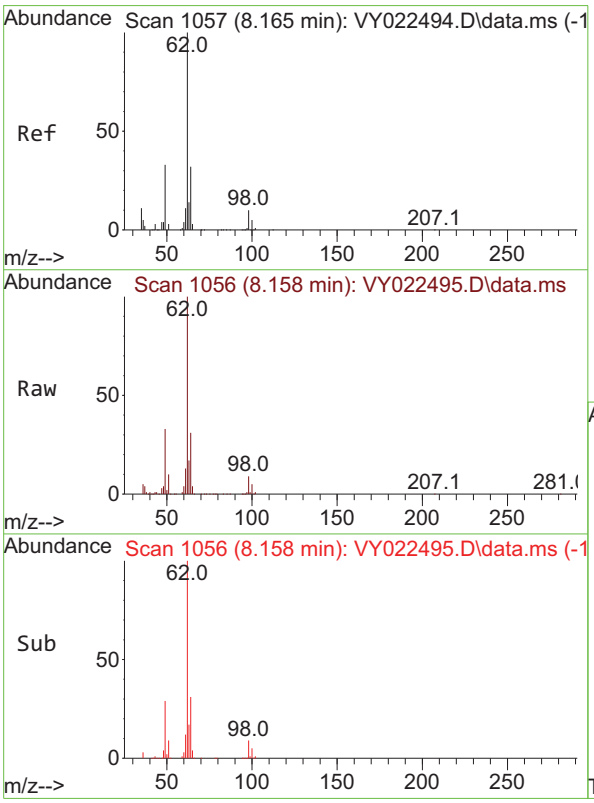
Ion	Ratio	Lower	Upper
41	100		
39	57.6	46.6	69.8
67	72.4	63.3	94.9
52	31.4	27.5	41.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

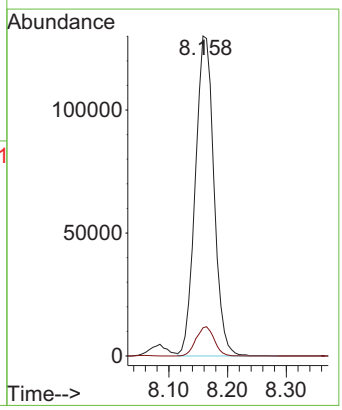
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

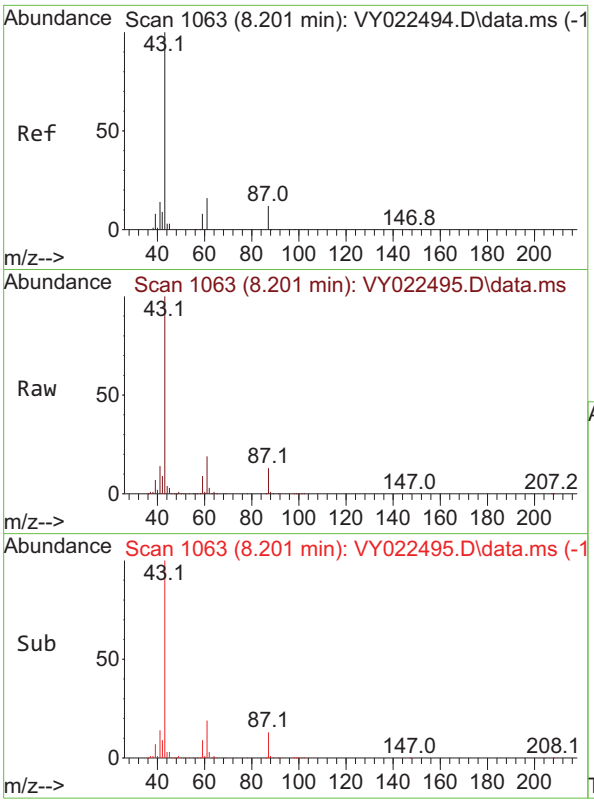


#42
1,2-Dichloroethane
Concen: 103.504 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 62 Resp: 286305

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	19.2





#43
Isopropyl Acetate
Concen: 103.721 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

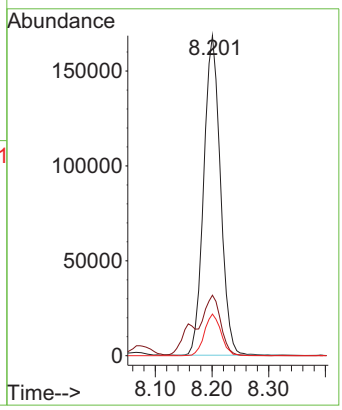
Tgt Ion: 43 Resp: 34411

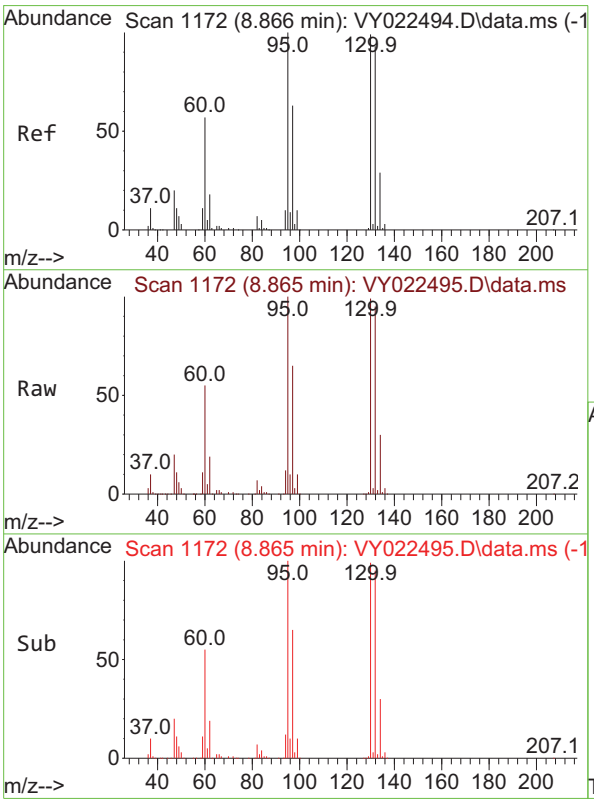
Ion	Ratio	Lower	Upper
43	100		
61	20.5	15.6	23.4
87	13.0	10.2	15.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

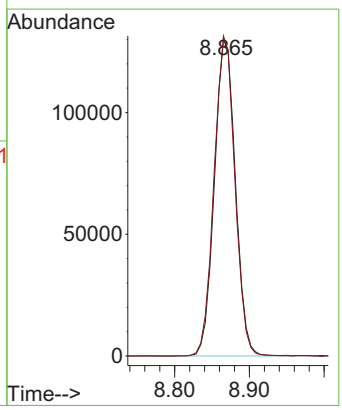


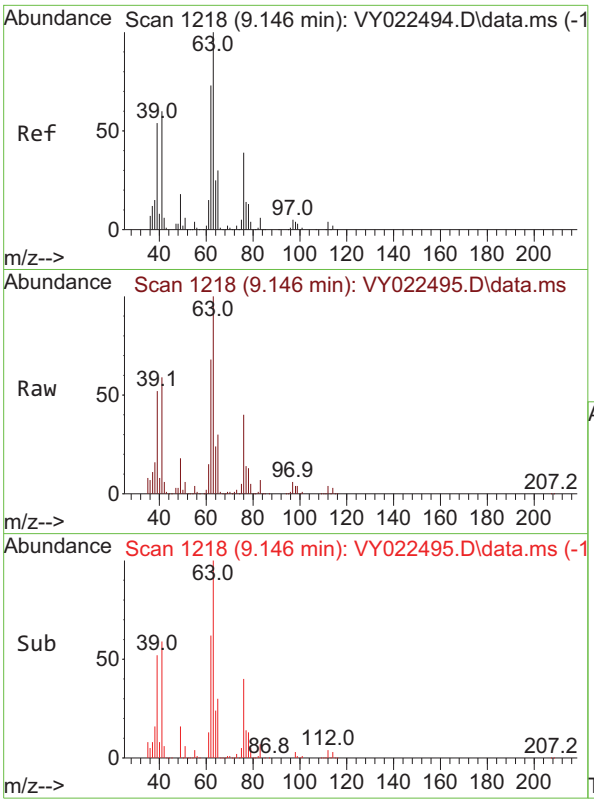


#44
Trichloroethene
Concen: 102.104 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:130 Resp: 253632

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	203.0

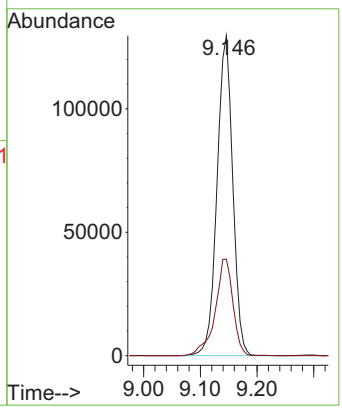




#45
1,2-Dichloropropane
Concen: 102.865 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 63 Resp: 24936

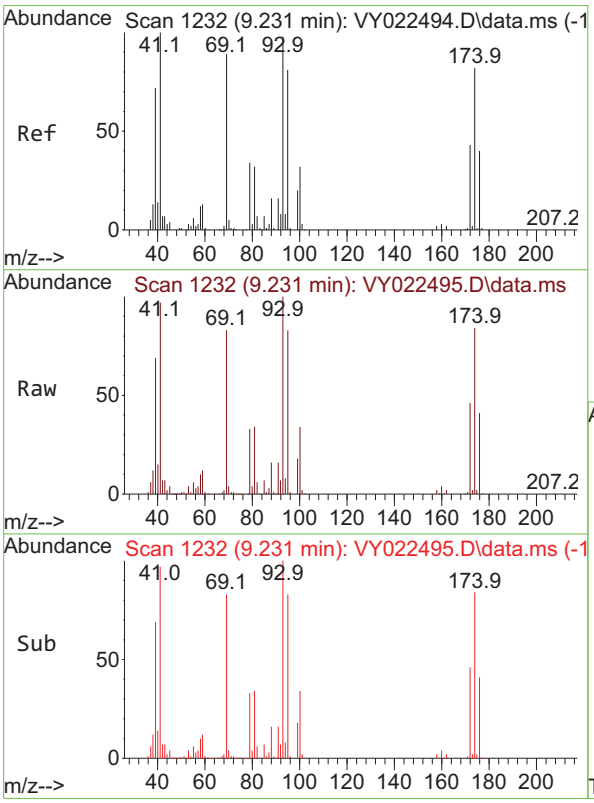
Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.0	36.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

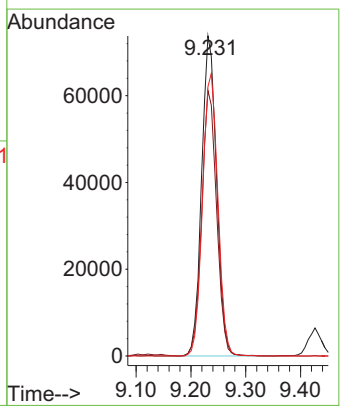
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

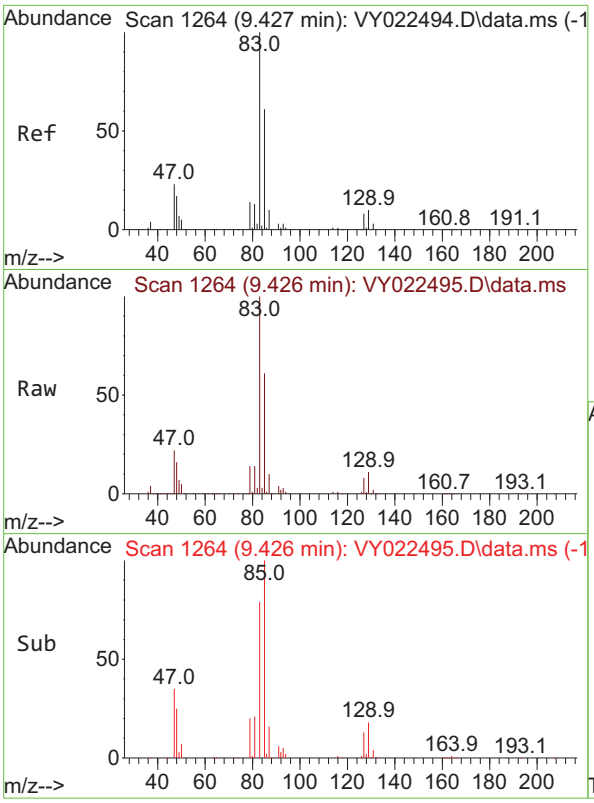


#46
Dibromomethane
Concen: 102.605 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 93 Resp: 139349

Ion	Ratio	Lower	Upper
93	100		
95	82.5	65.6	98.4
174	90.4	70.4	105.6

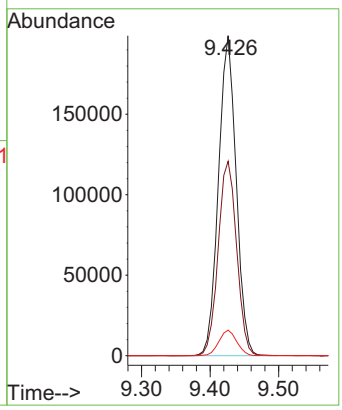




#47
Bromodichloromethane
Concen: 103.321 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 83 Resp: 35602

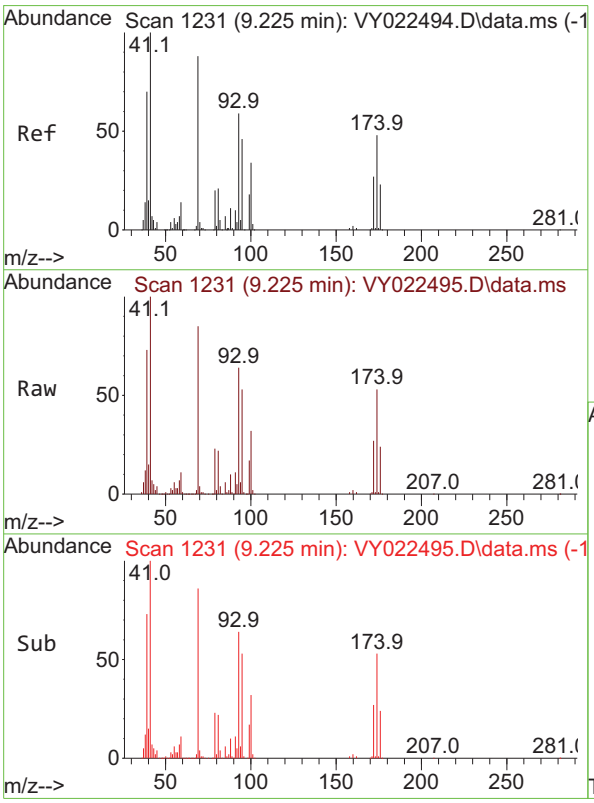
Ion	Ratio	Lower	Upper
83	100		
85	60.7	49.1	73.7
127	8.0	6.2	9.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

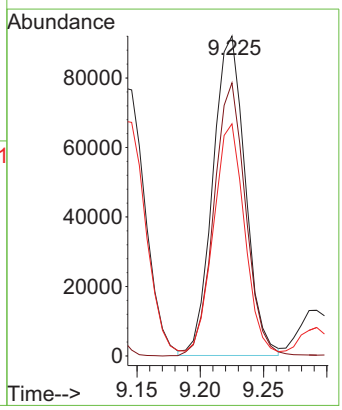
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

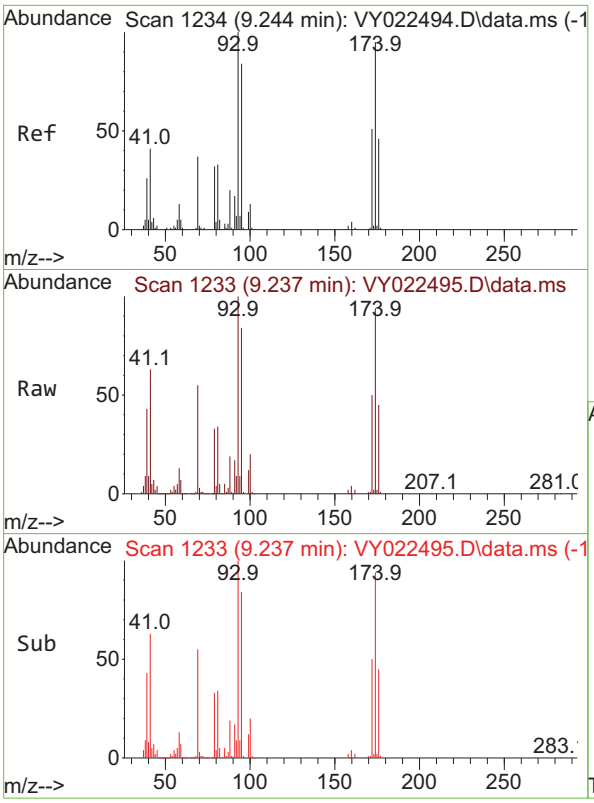


#48
Methyl methacrylate
Concen: 107.875 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 41 Resp: 163867

Ion	Ratio	Lower	Upper
41	100		
69	84.0	67.8	101.8
39	68.0	55.0	82.4

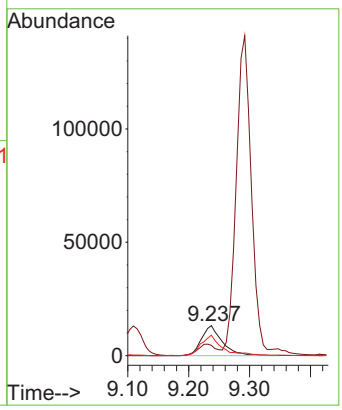




#49
1,4-Dioxane
Concen: 1955.012 ug/l
RT: 9.237 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 88 Resp: 3167

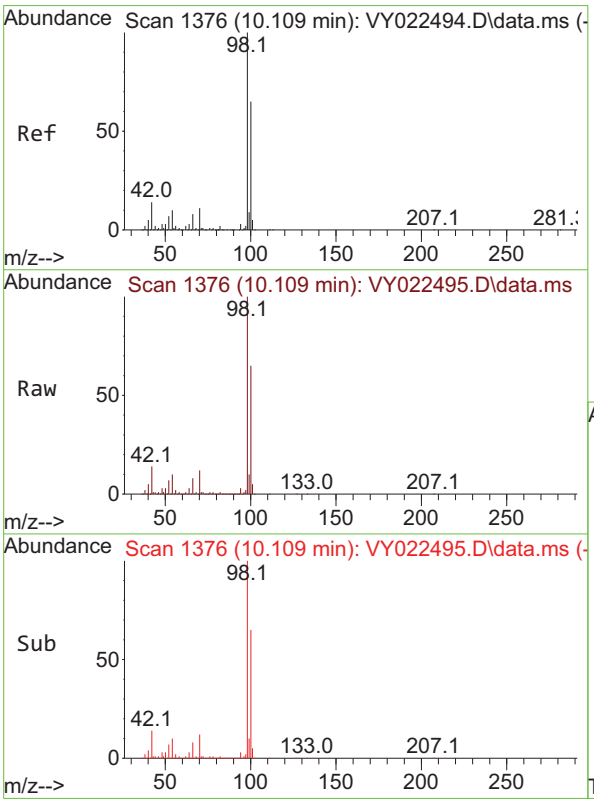
Ion	Ratio	Lower	Upper
88	100		
43	35.0	25.4	38.2
58	69.1	54.9	82.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

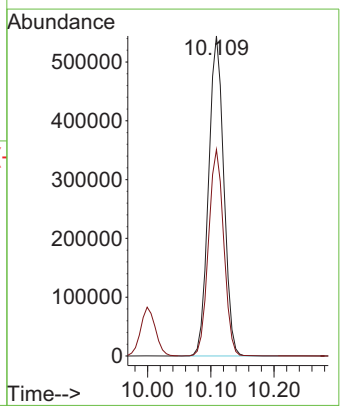
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

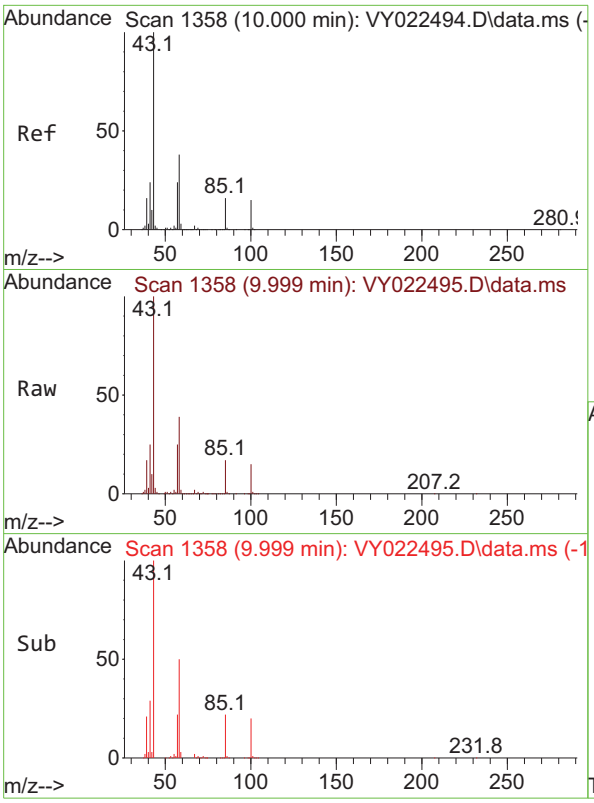


#50
Toluene-d8
Concen: 105.318 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 98 Resp: 908424

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0





#51
4-Methyl-2-Pentanone
Concen: 537.390 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

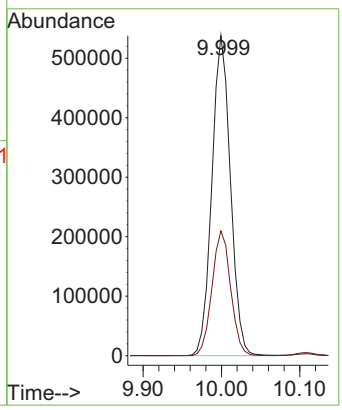
Tgt Ion: 43 Resp: 88489

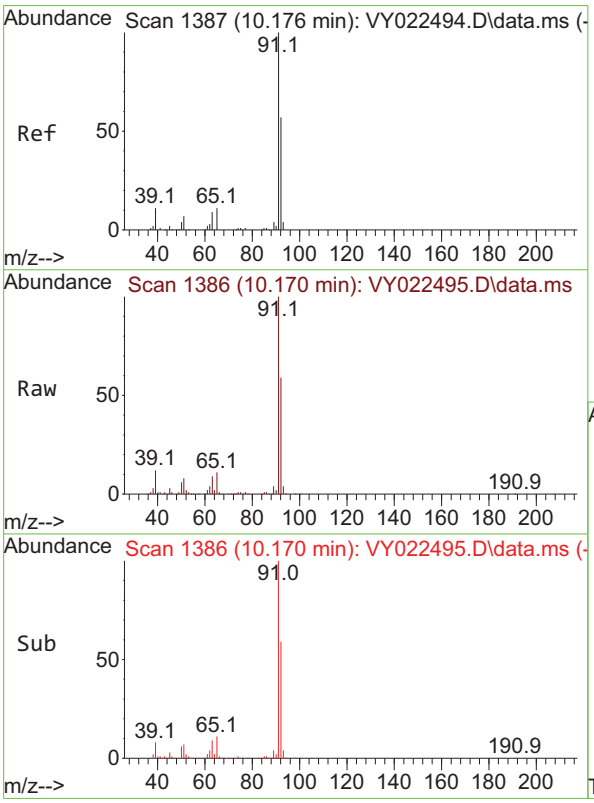
Ion	Ratio	Lower	Upper
43	100		
58	39.3	30.4	45.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

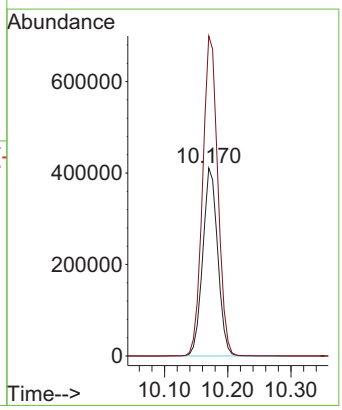


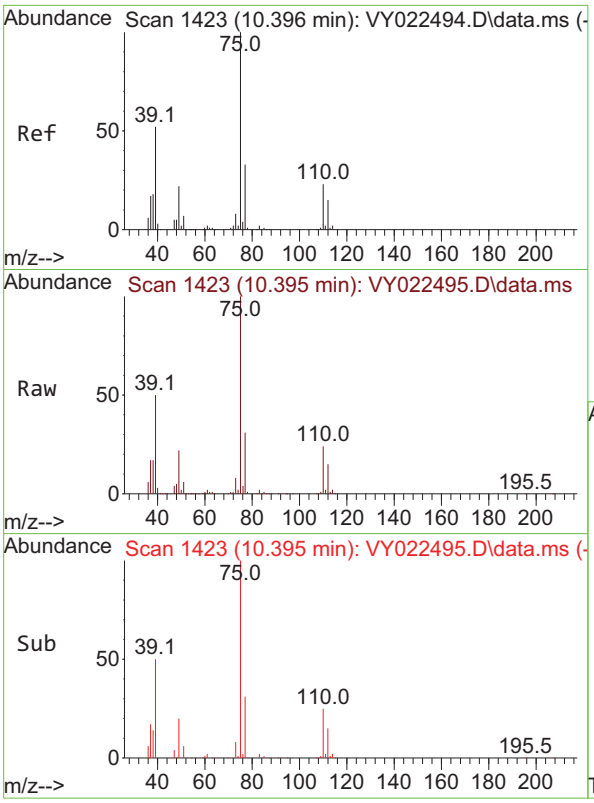


#52
Toluene
Concen: 105.821 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 92 Resp: 676554

Ion	Ratio	Lower	Upper
92	100		
91	173.1	139.0	208.4

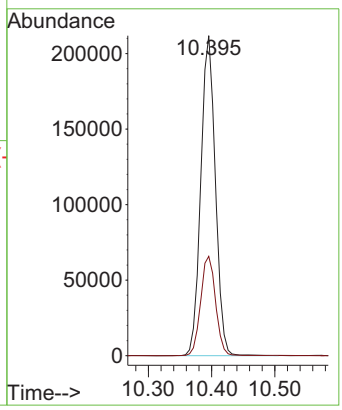




#53
t-1,3-Dichloropropene
Concen: 106.548 ug/l
RT: 10.395 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 75 Resp: 33964

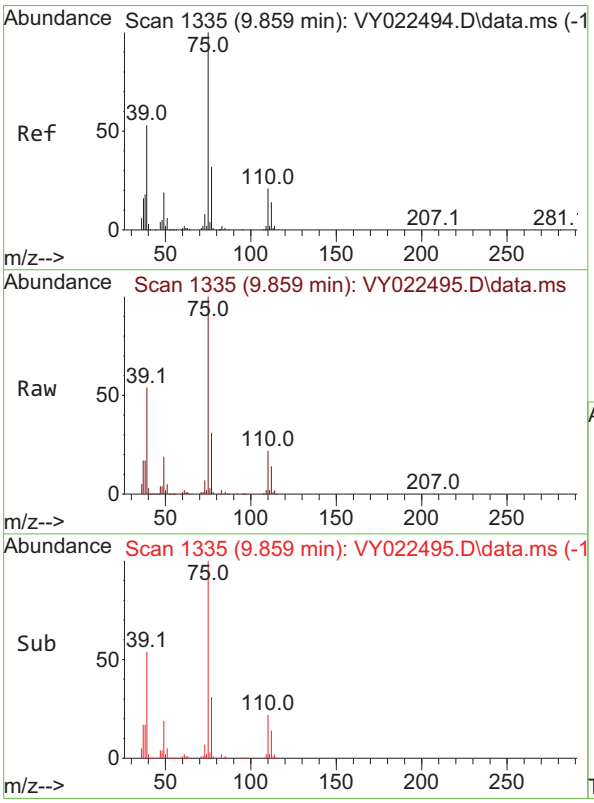
Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

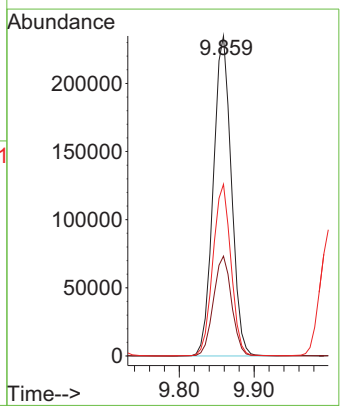
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

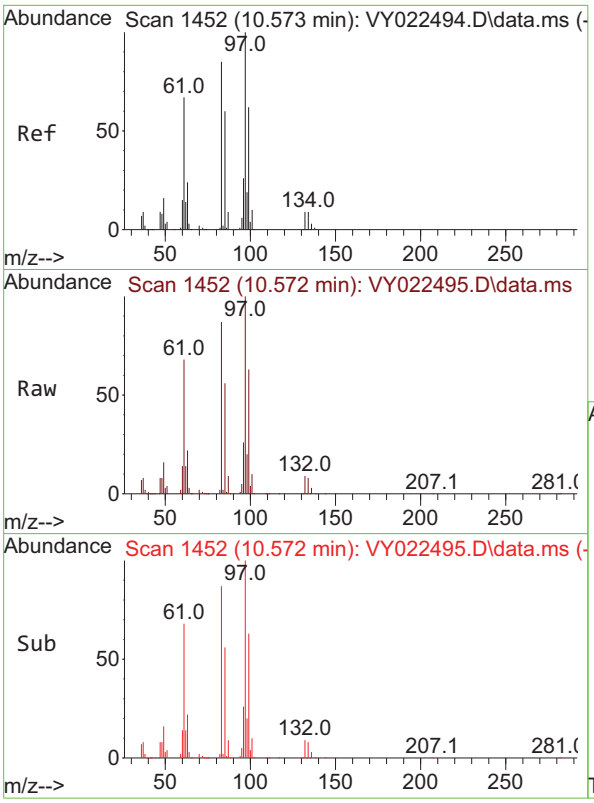


#54
cis-1,3-Dichloropropene
Concen: 105.579 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 75 Resp: 394647

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.3	37.9
39	53.6	42.7	64.1

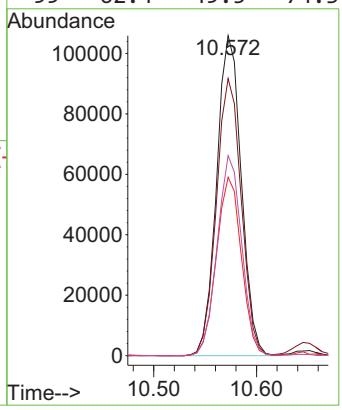




#55
1,1,2-Trichloroethane
Concen: 103.130 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 97 Resp: 17638

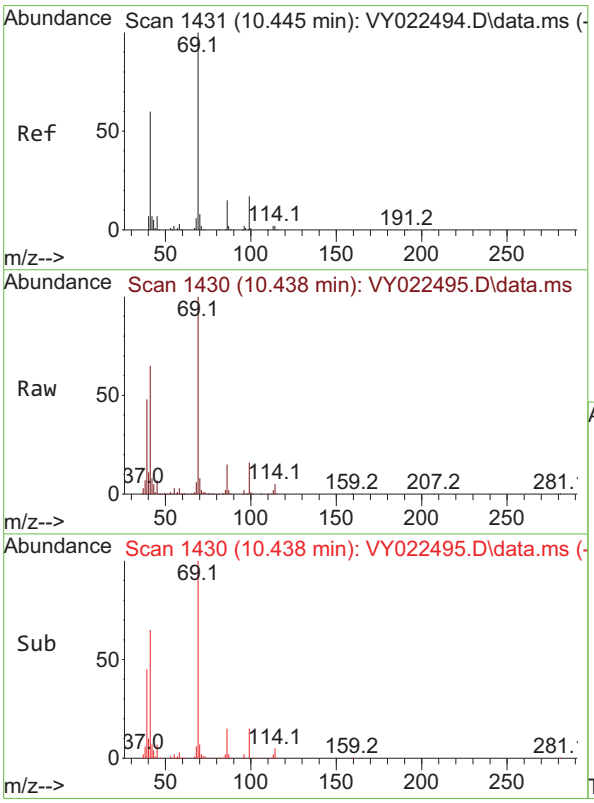
Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.1	102.1
85	55.8	48.2	72.2
99	62.4	49.5	74.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

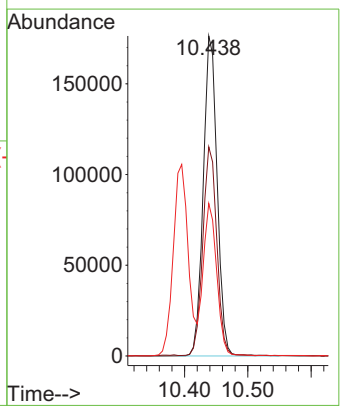
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

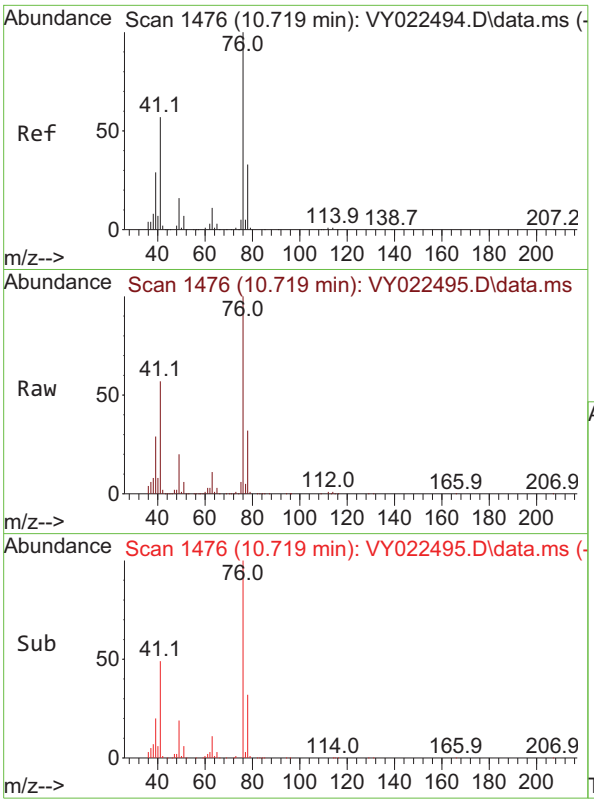


#56
Ethyl methacrylate
Concen: 108.807 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 69 Resp: 270253

Ion	Ratio	Lower	Upper
69	100		
41	65.7	52.2	78.2
39	45.6	36.7	55.1





#57
1,3-Dichloropropane
Concen: 103.374 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

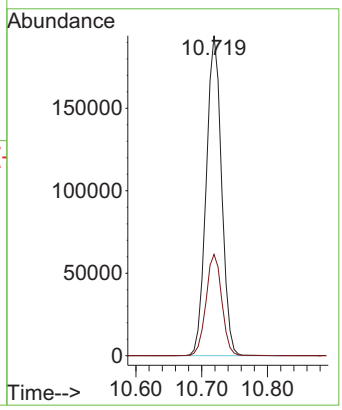
Tgt Ion: 76 Resp: 31488

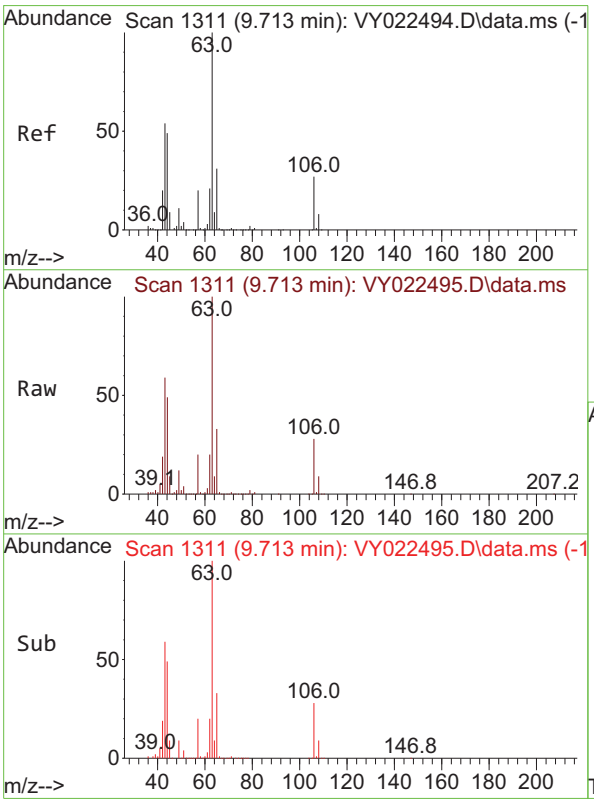
Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

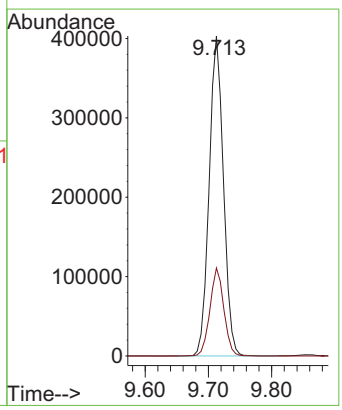


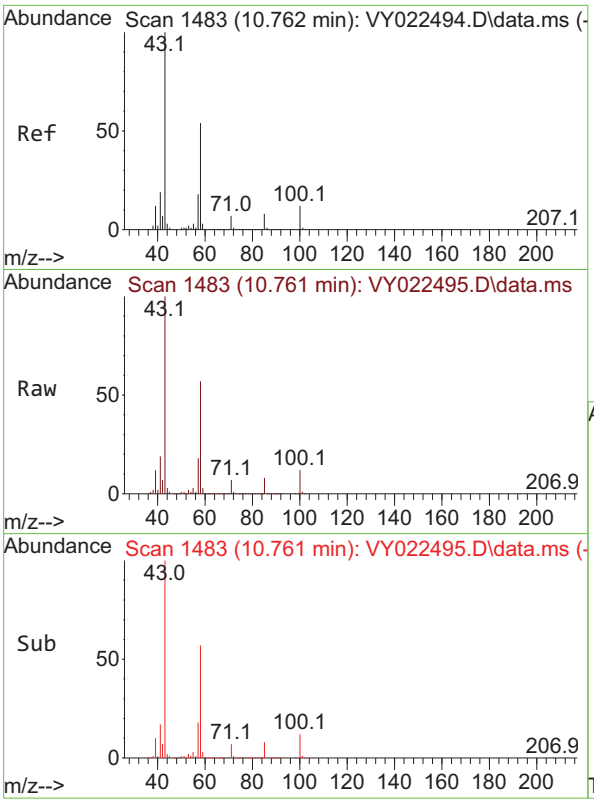


#58
2-Chloroethyl Vinyl ether
Concen: 570.744 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 63 Resp: 631985

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.6	32.4

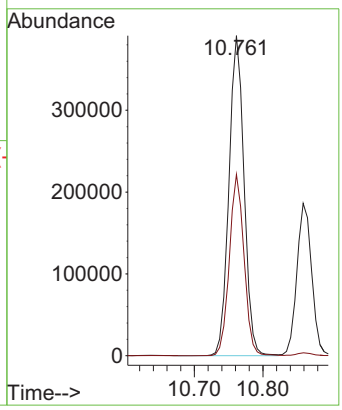




#59
2-Hexanone
Concen: 546.025 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 59935

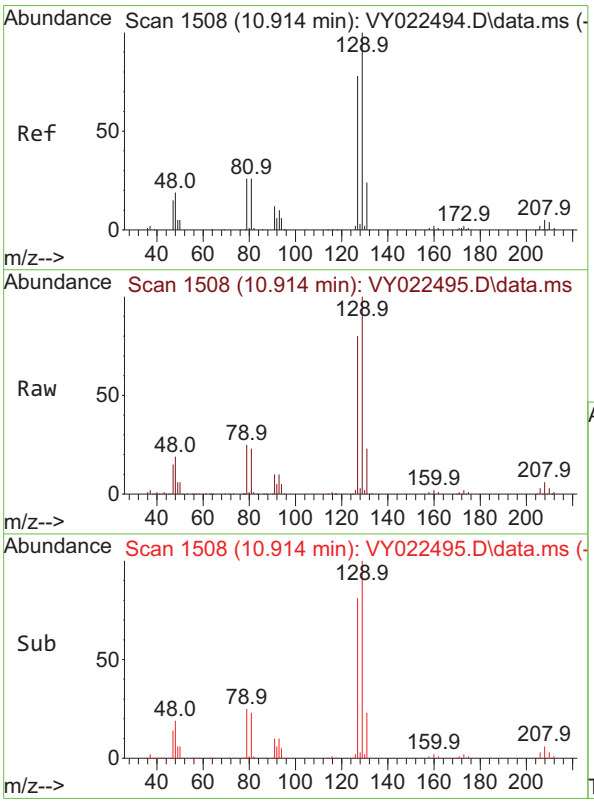
Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.3	81.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

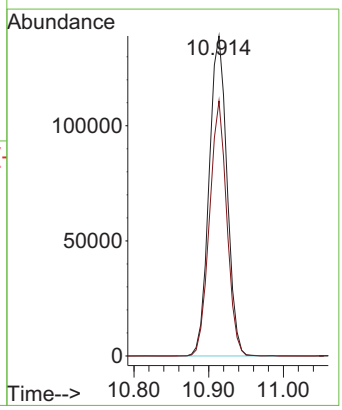
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

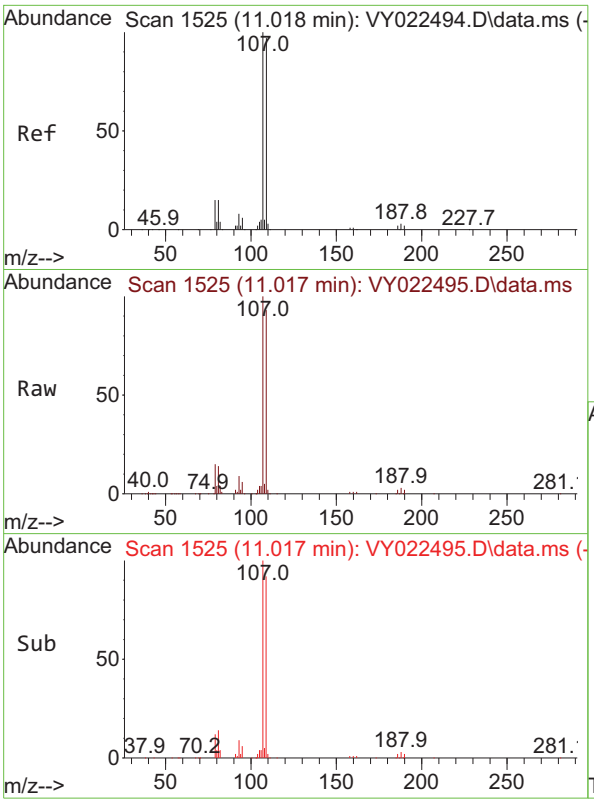


#60
Dibromochloromethane
Concen: 106.862 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:129 Resp: 231582

Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.1	117.2





#61
1,2-Dibromoethane
Concen: 103.182 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

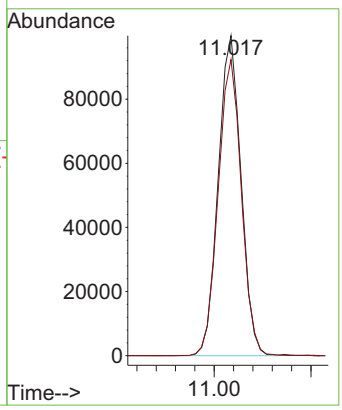
Tgt Ion:107 Resp: 16284

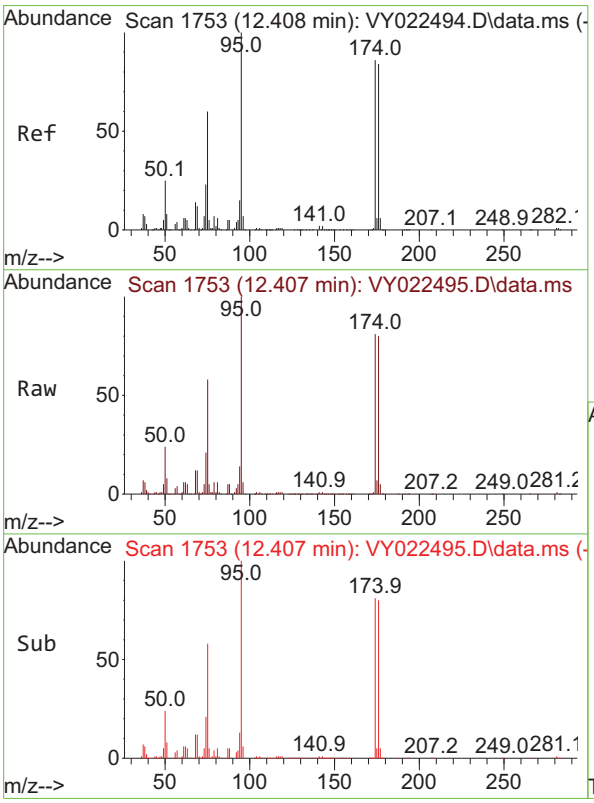
Ion	Ratio	Lower	Upper
107	100		
109	94.4	77.7	116.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

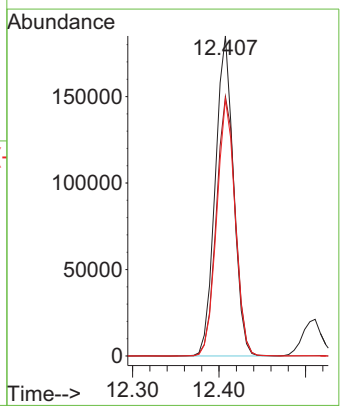


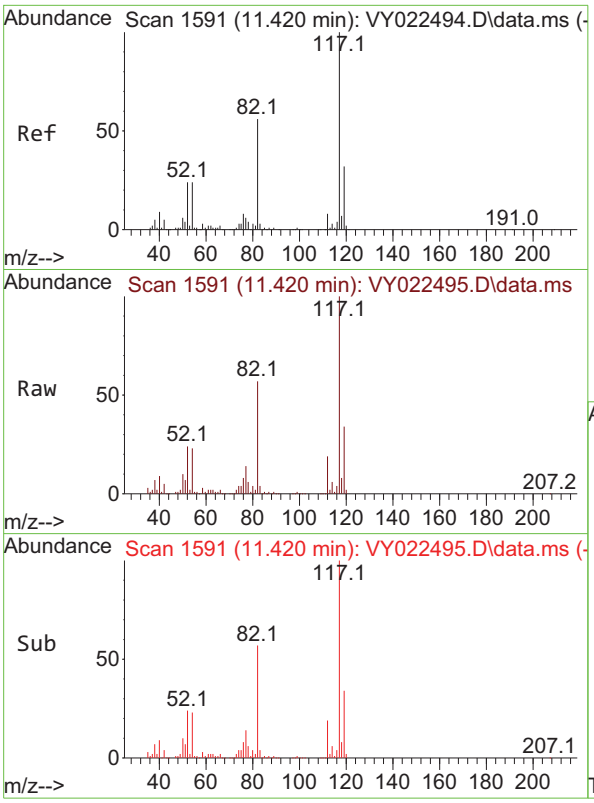


#62
4-Bromofluorobenzene
Concen: 103.359 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 95 Resp: 270310

Ion	Ratio	Lower	Upper
95	100		
174	84.4	0.0	170.0
176	80.8	0.0	166.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

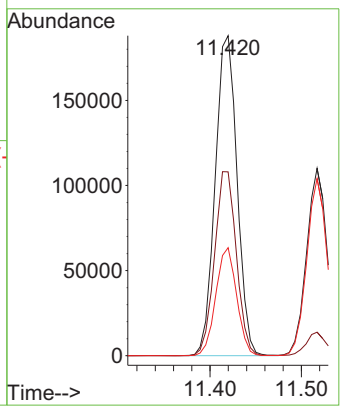
Tgt Ion:117 Resp: 31274

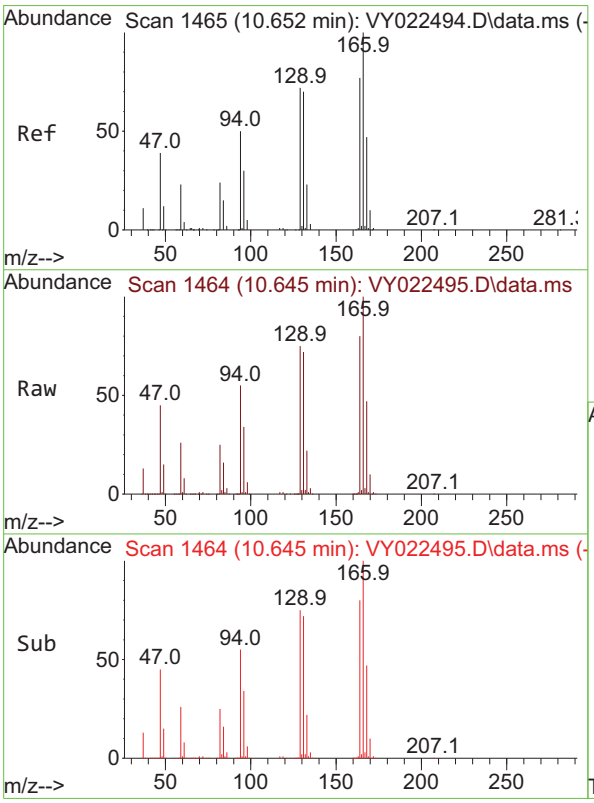
Ion	Ratio	Lower	Upper
117	100		
82	57.4	44.6	66.8
119	33.8	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

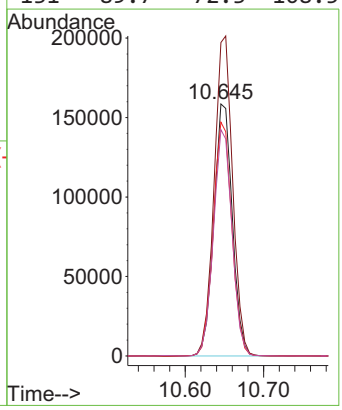


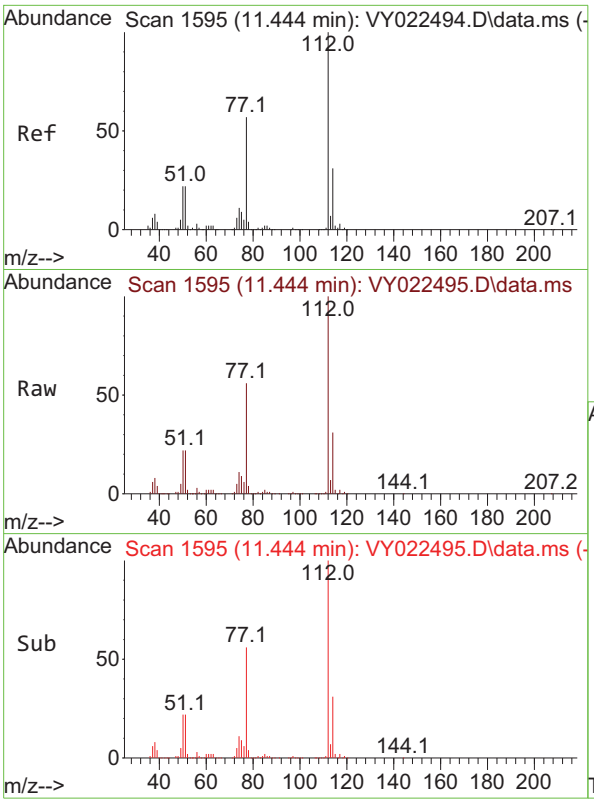


#64
Tetrachloroethene
Concen: 97.857 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:164 Resp: 260085

Ion	Ratio	Lower	Upper
164	100		
166	124.4	104.0	156.0
129	92.8	74.5	111.7
131	89.7	72.3	108.5

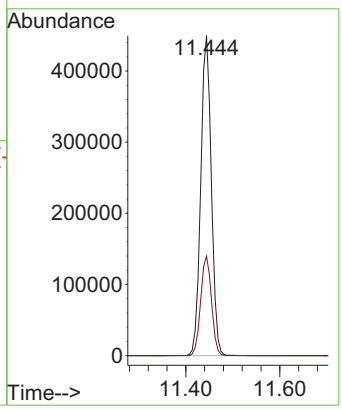




#65
Chlorobenzene
Concen: 103.277 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:112 Resp: 70036

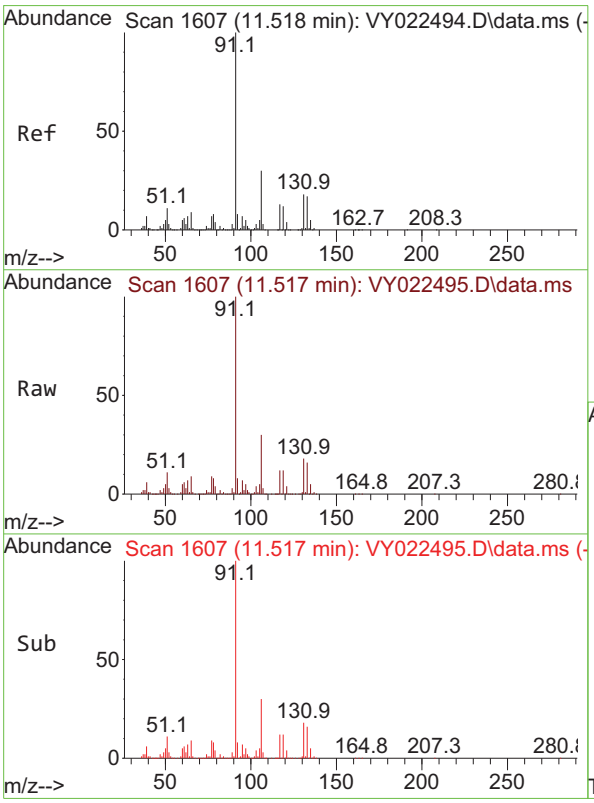
Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

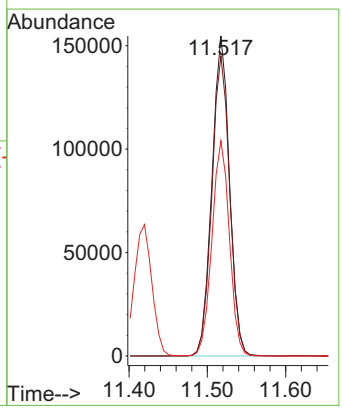
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

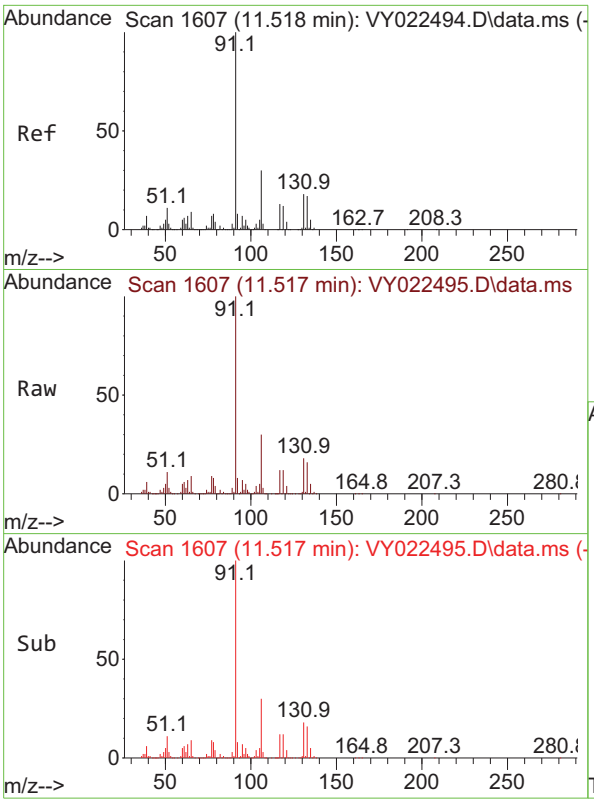


#66
1,1,1,2-Tetrachloroethane
Concen: 104.874 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:131 Resp: 241080

Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.3	141.8
119	66.9	33.1	99.3

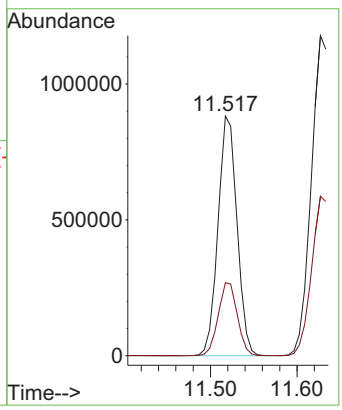




#67
Ethyl Benzene
Concen: 106.379 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 91 Resp: 134342

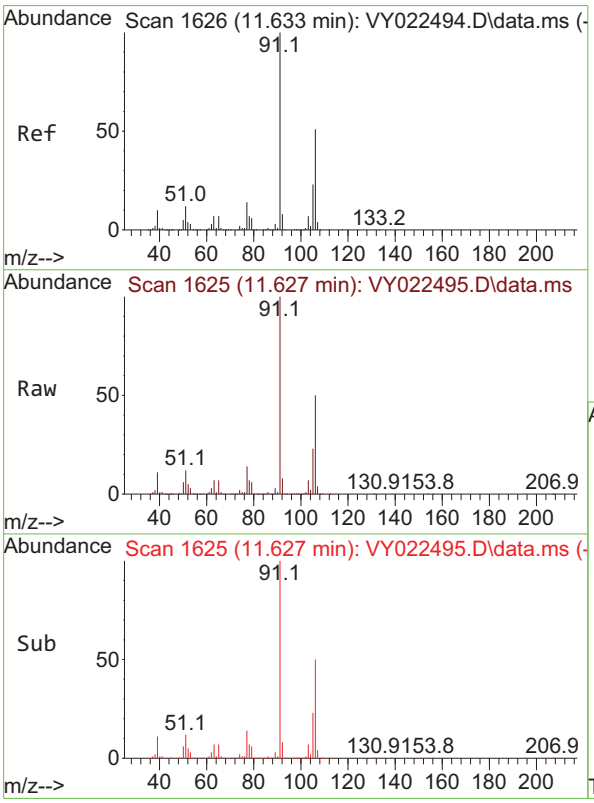
Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.2	36.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

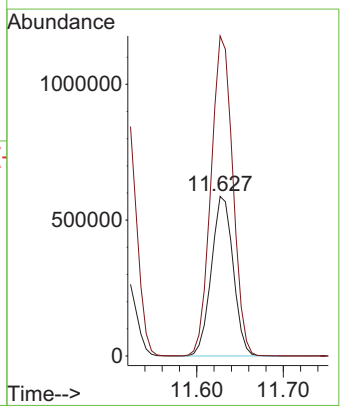
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

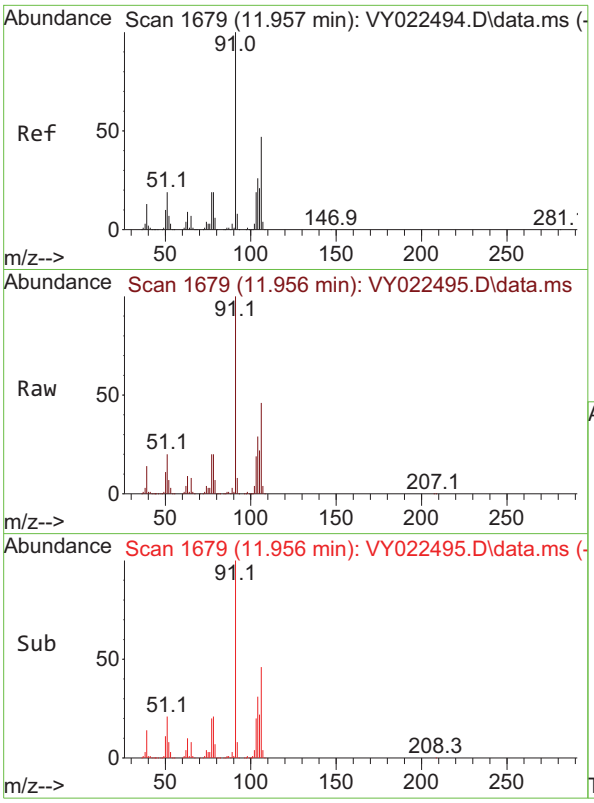


#68
m/p-Xylenes
Concen: 215.017 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:106 Resp: 1027669

Ion	Ratio	Lower	Upper
106	100		
91	200.6	159.4	239.0

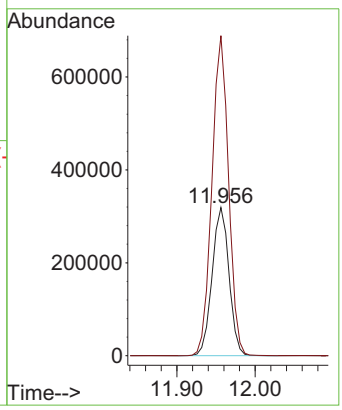




#69
o-Xylene
Concen: 106.884 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:106 Resp: 47810

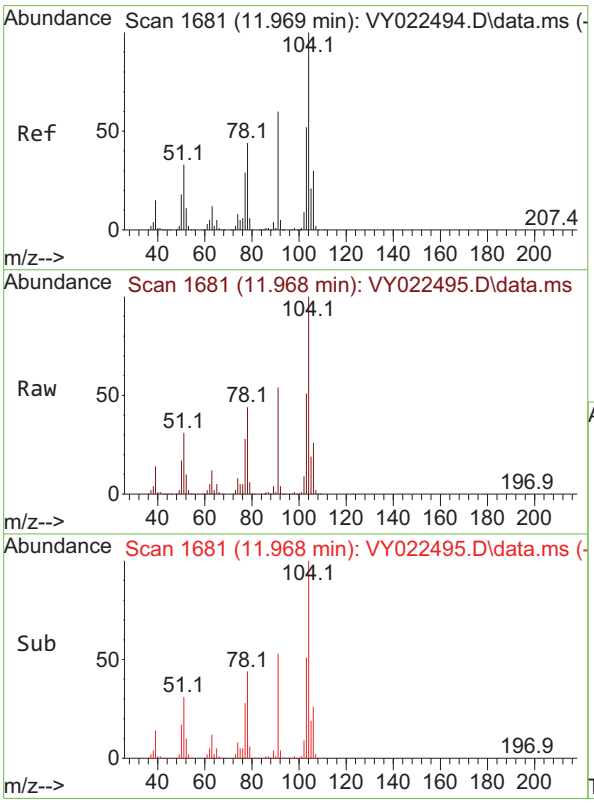
Ion	Ratio	Lower	Upper
106	100		
91	212.3	105.8	317.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

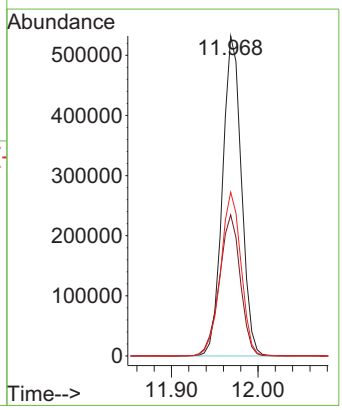
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

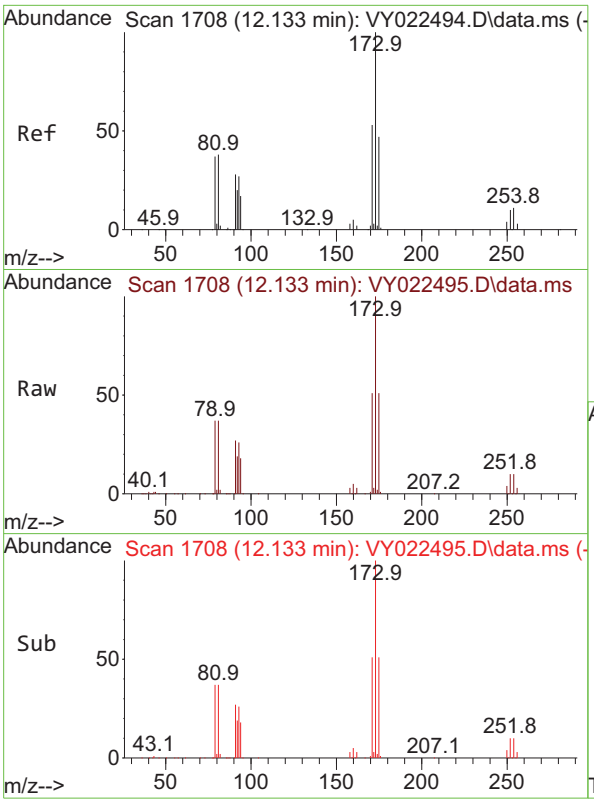


#70
Styrene
Concen: 109.011 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:104 Resp: 807331

Ion	Ratio	Lower	Upper
104	100		
78	48.7	39.5	59.3
103	55.3	44.1	66.1

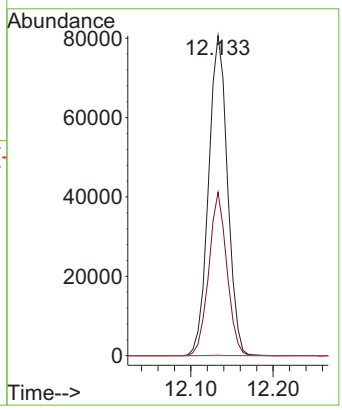




#71
Bromoform
Concen: 106.900 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:173 Resp: 12913

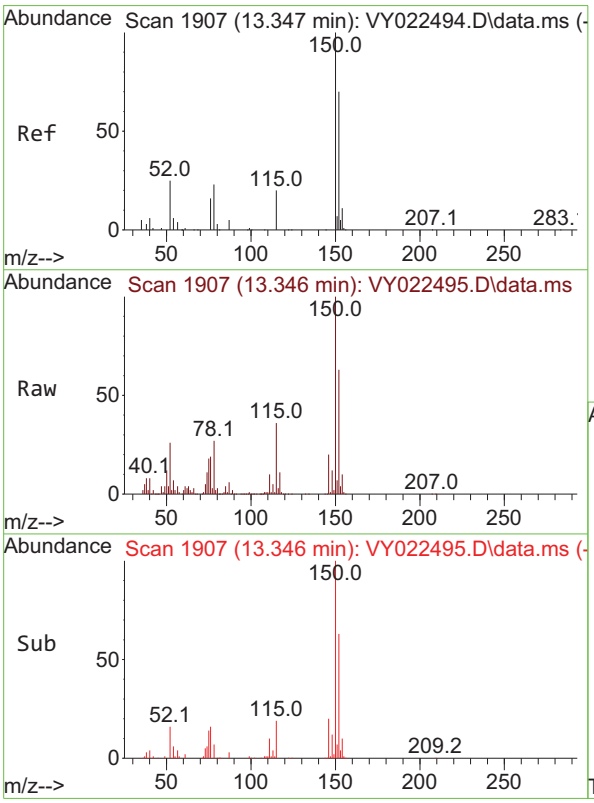
Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.8	71.5
254	0.2	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

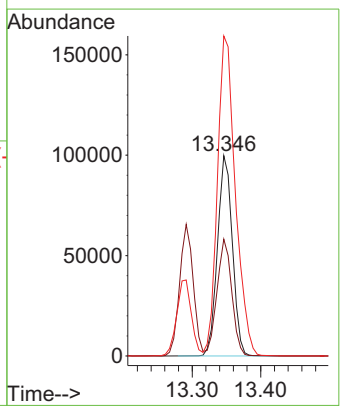
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

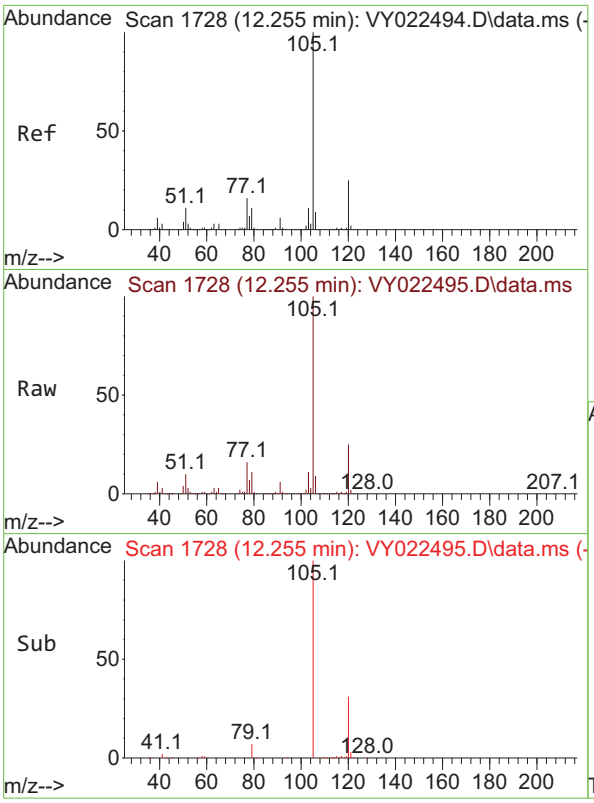


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:152 Resp: 150217

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.9	86.7
150	192.2	0.0	349.6

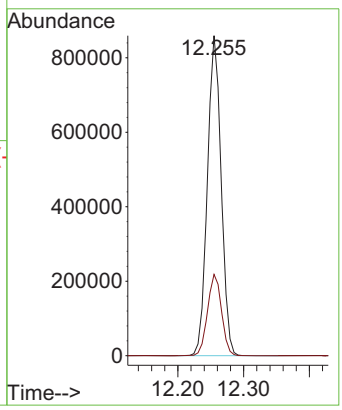




#73
Isopropylbenzene
Concen: 103.429 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:105 Resp: 125178

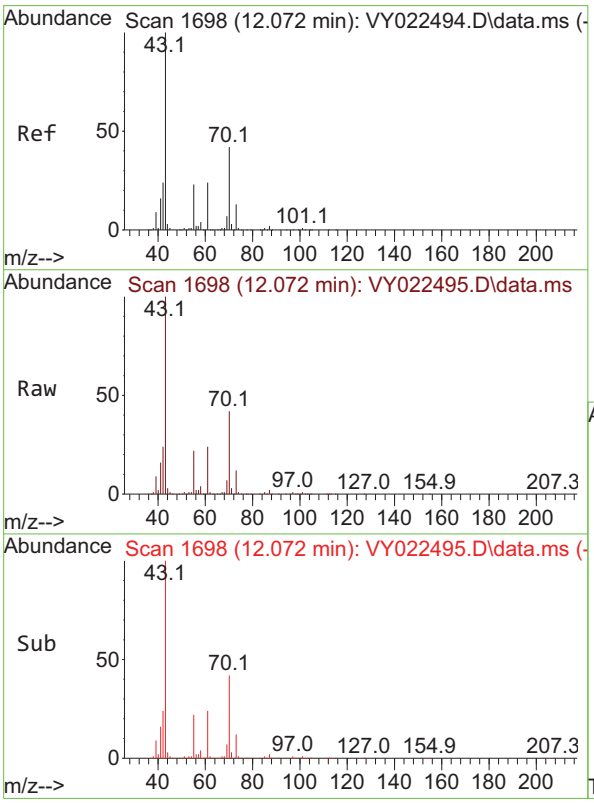
Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

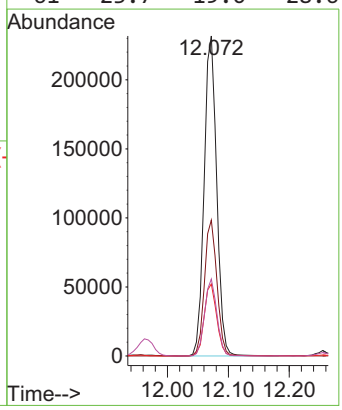
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

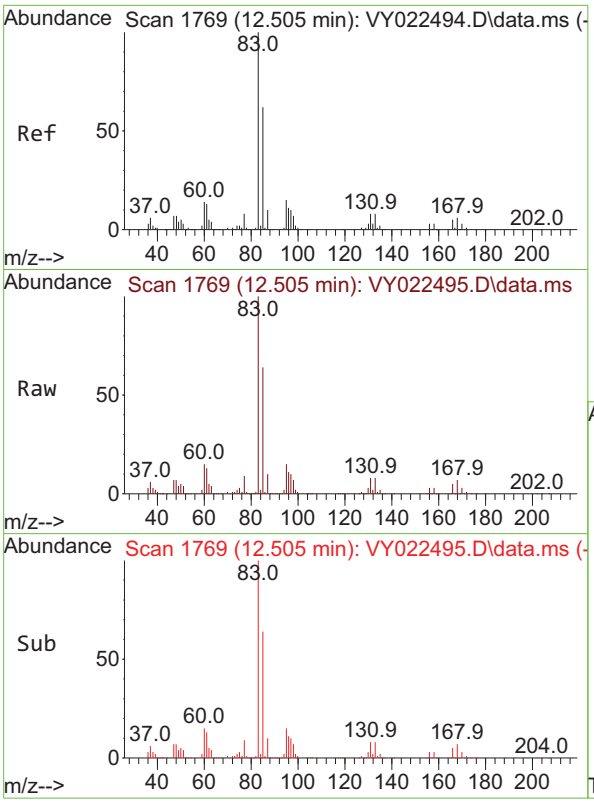


#74
N-amyl acetate
Concen: 108.232 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 331256

Ion	Ratio	Lower	Upper
43	100		
70	42.4	34.2	51.2
55	22.5	18.2	27.4
61	23.7	19.0	28.6

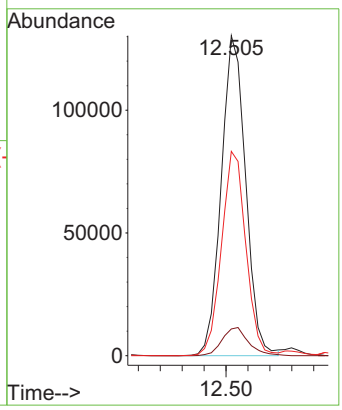




#75
1,1,2,2-Tetrachloroethane
Concen: 102.543 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 83 Resp: 20155

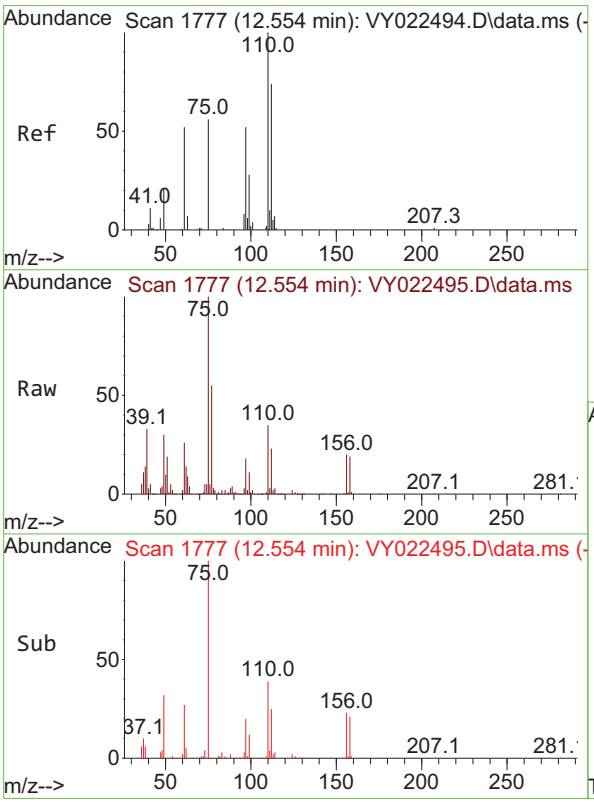
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	63.7	32.6	97.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

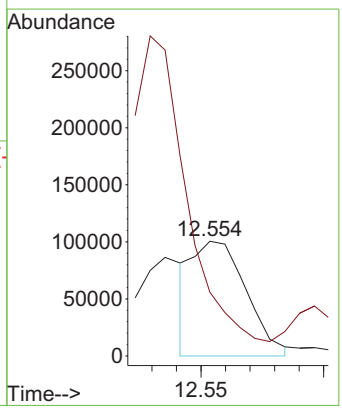
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

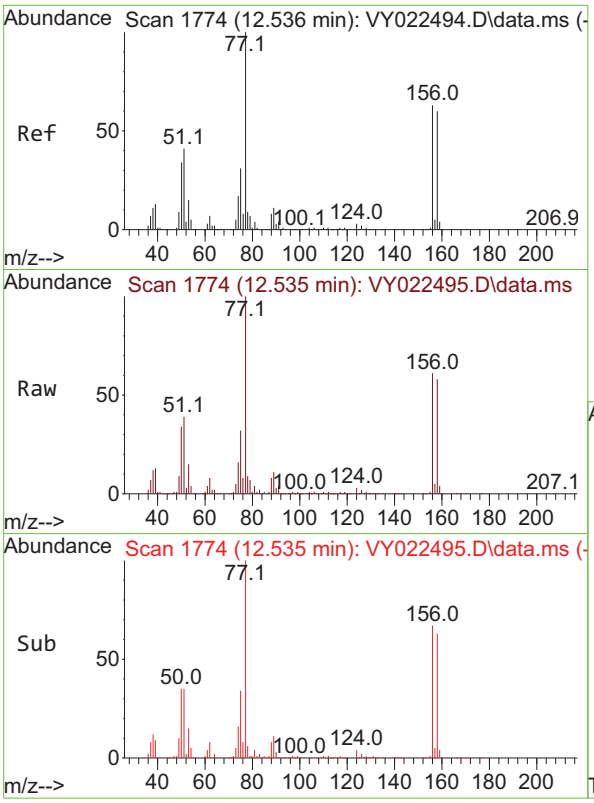


#76
1,2,3-Trichloropropane
Concen: 77.478 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 75 Resp: 153645

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77
Bromobenzene
Concen: 101.560 ug/l
RT: 12.535 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

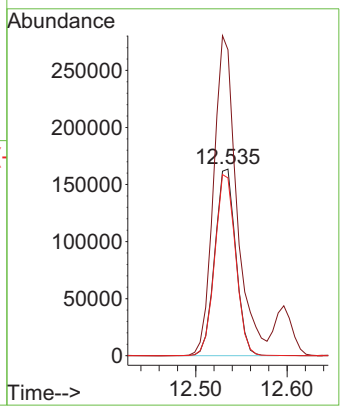
Tgt Ion:156 Resp: 26052

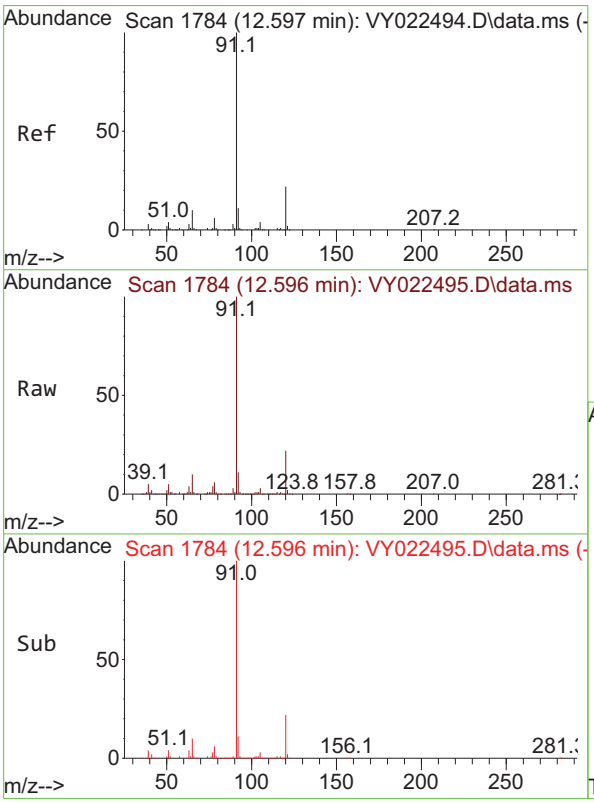
Ion	Ratio	Lower	Upper
156	100		
77	189.8	94.0	282.1
158	97.1	48.2	144.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

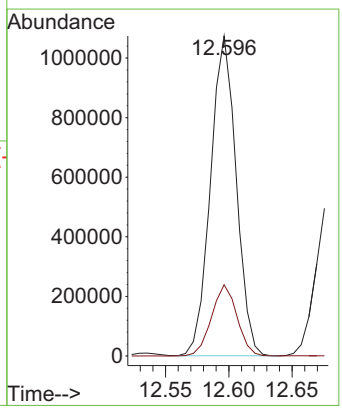


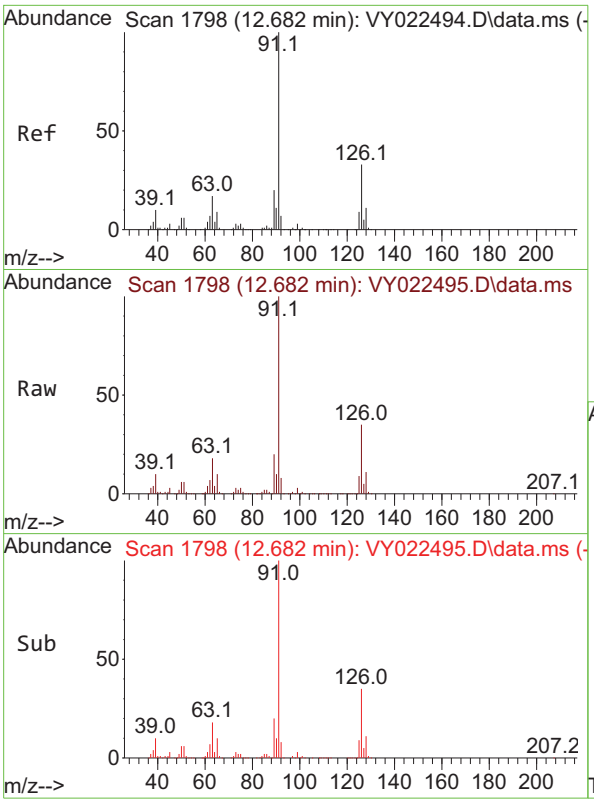


#78
n-propylbenzene
Concen: 103.002 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 91 Resp: 1517453

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4





#79
2-Chlorotoluene
Concen: 102.984 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

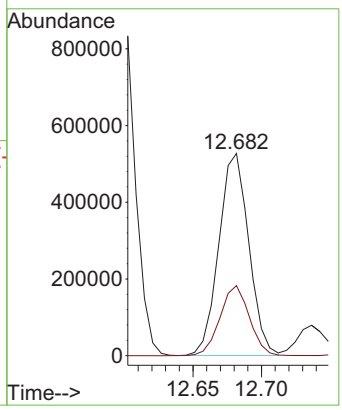
Tgt Ion: 91 Resp: 80109

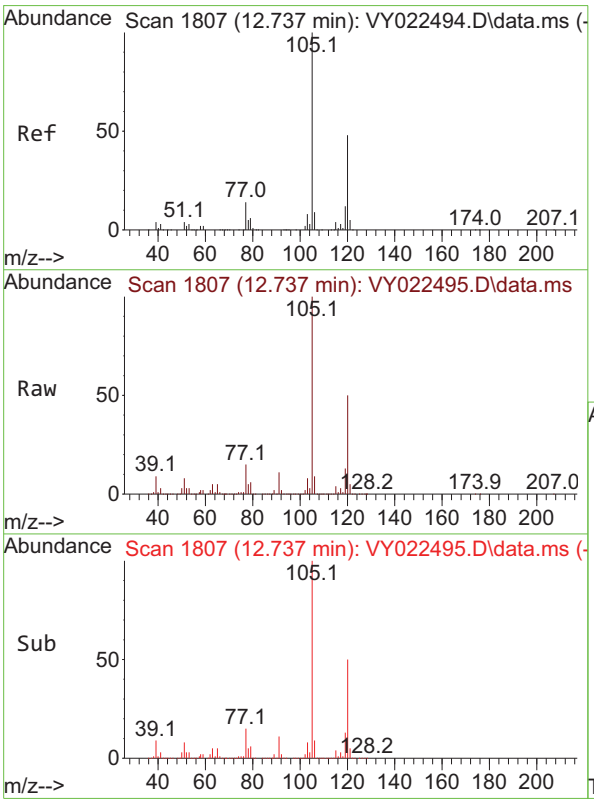
Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.0	51.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

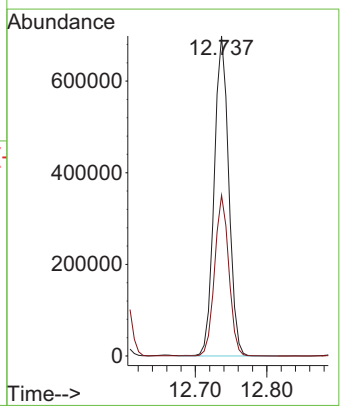


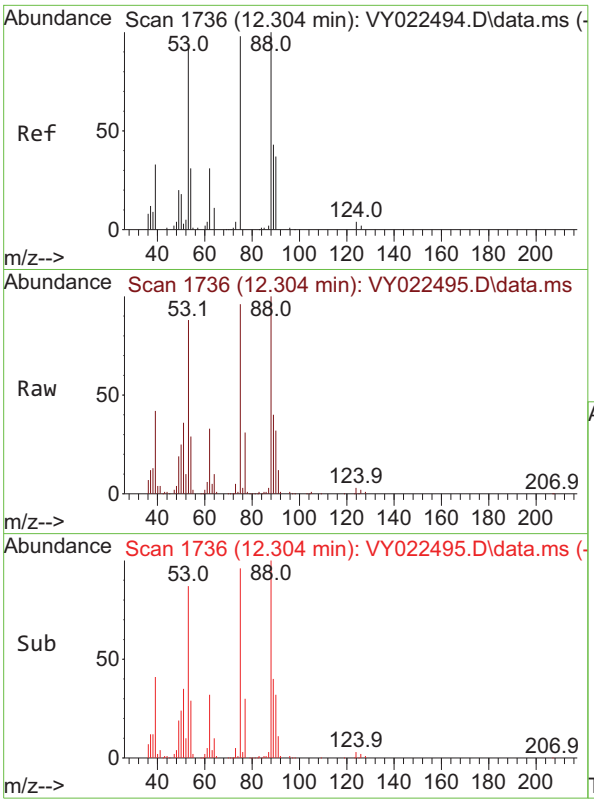


#80
1,3,5-Trimethylbenzene
Concen: 103.959 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:105 Resp: 983812

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.1	72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 104.845 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

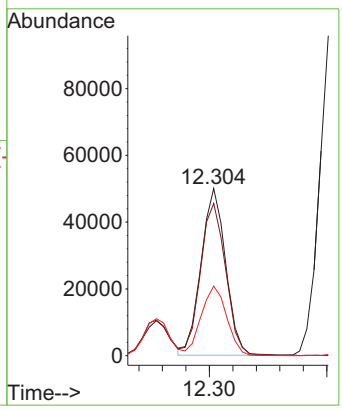
Tgt Ion: 75 Resp: 7251

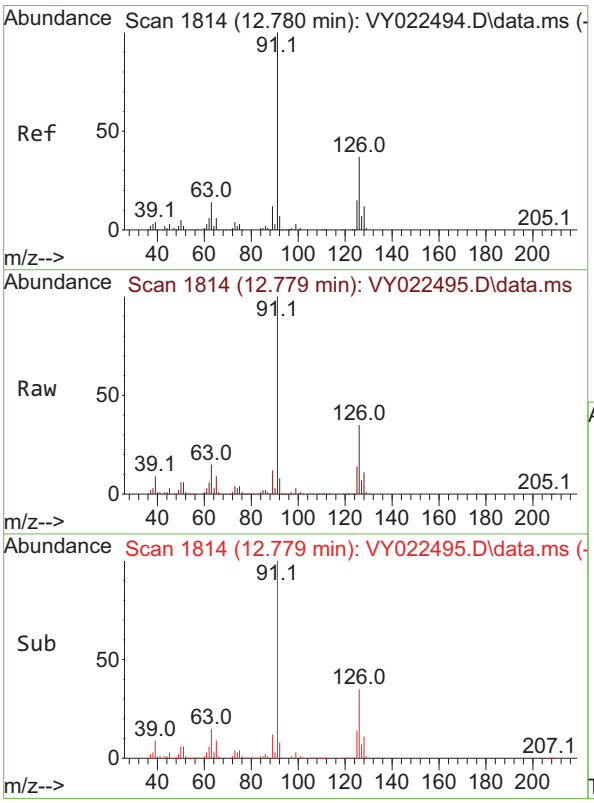
Ion	Ratio	Lower	Upper
75	100		
53	94.6	78.5	117.7
89	43.2	35.7	53.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

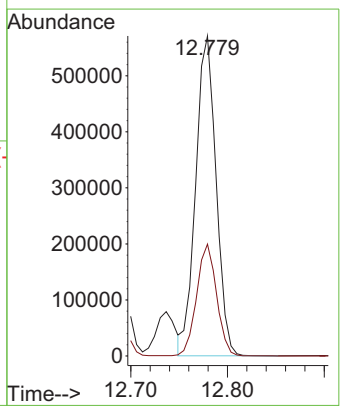


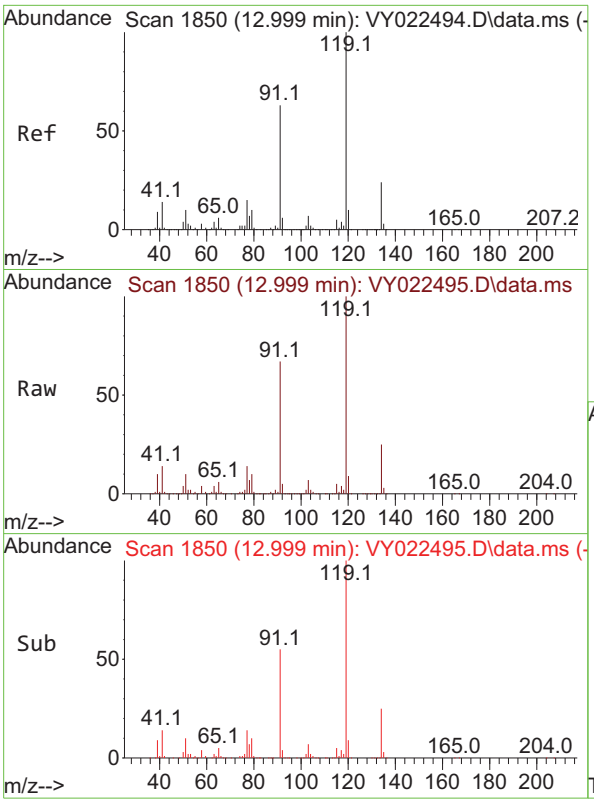


#82
4-Chlorotoluene
Concen: 103.758 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 91 Resp: 836500

Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.0	50.9





#83
tert-Butylbenzene
Concen: 102.740 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

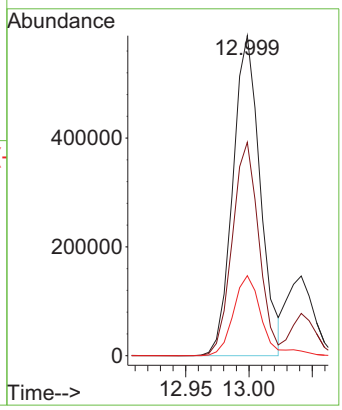
Tgt Ion:119 Resp: 88694

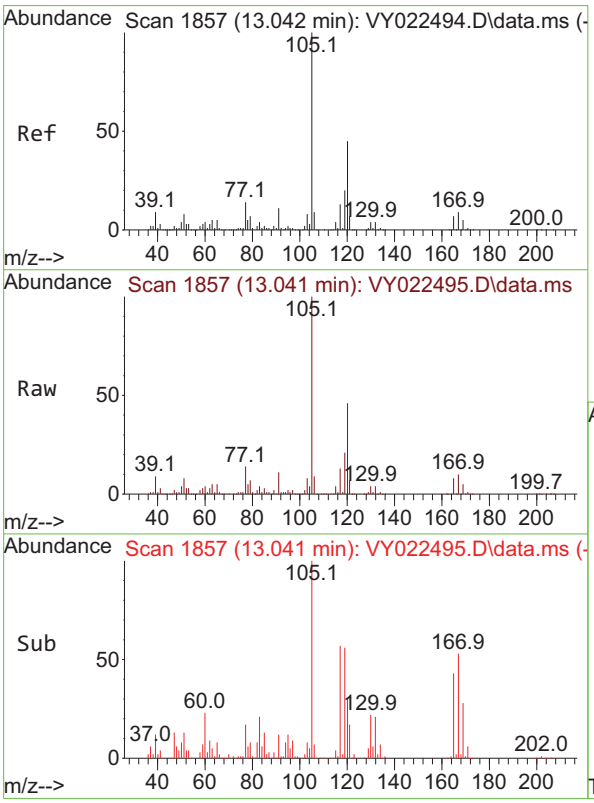
Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.1	96.3
134	25.9	13.0	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

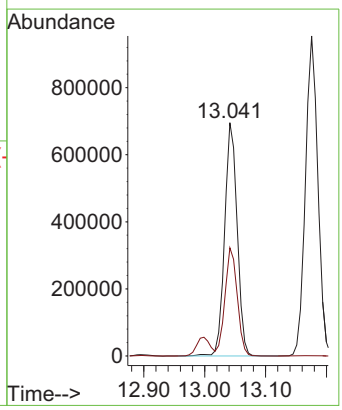


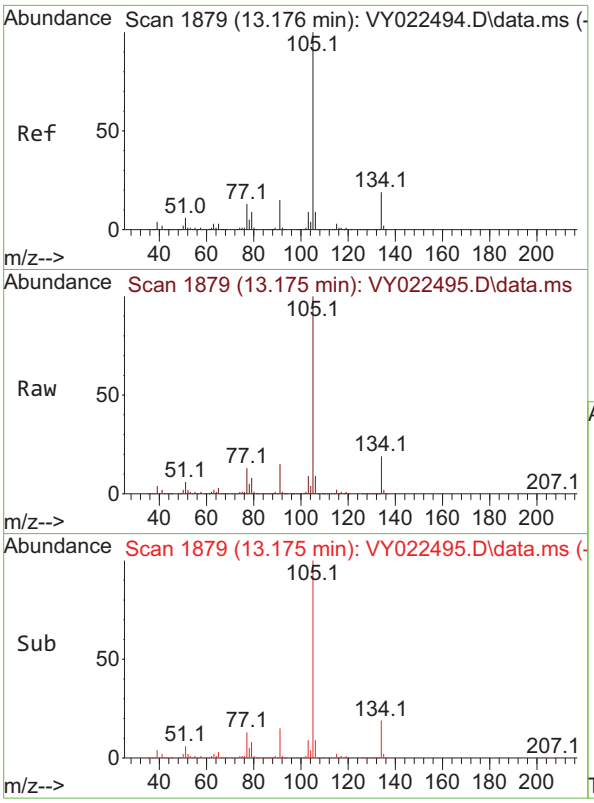


#84
1,2,4-Trimethylbenzene
Concen: 104.854 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:105 Resp: 992770

Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.1

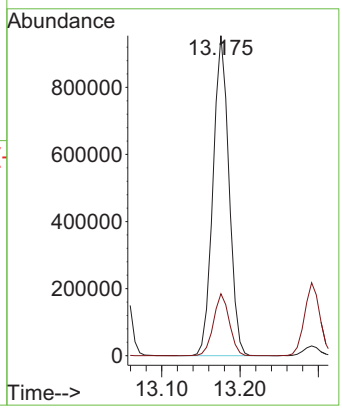




#85
sec-Butylbenzene
Concen: 103.006 ug/l
RT: 13.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:105 Resp: 134820

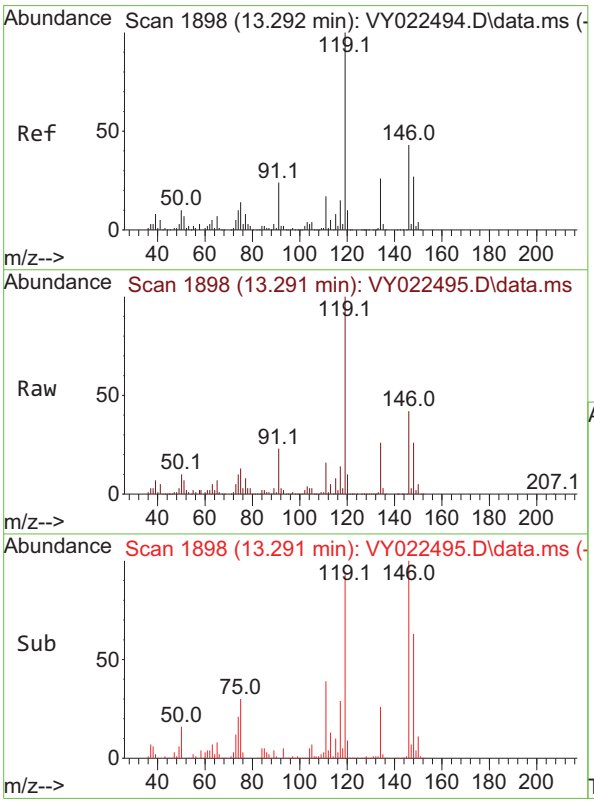
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

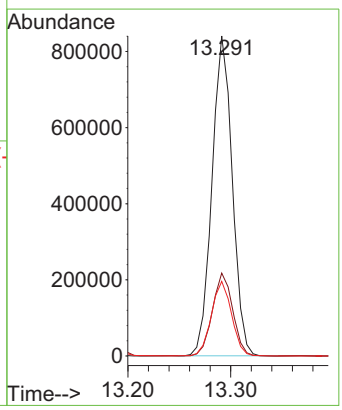
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

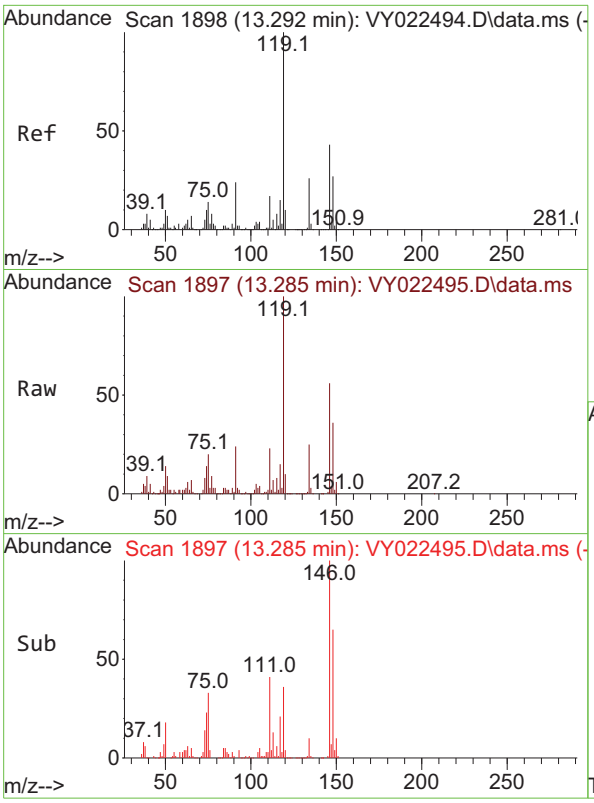


#86
p-Isopropyltoluene
Concen: 106.760 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:119 Resp: 1148821

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.1
91	23.2	11.6	34.8





#87
1,3-Dichlorobenzene
Concen: 105.879 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.007 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

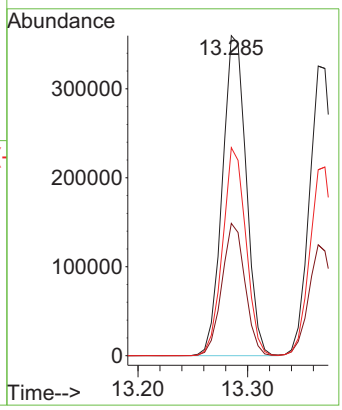
Tgt Ion:146 Resp: 54339

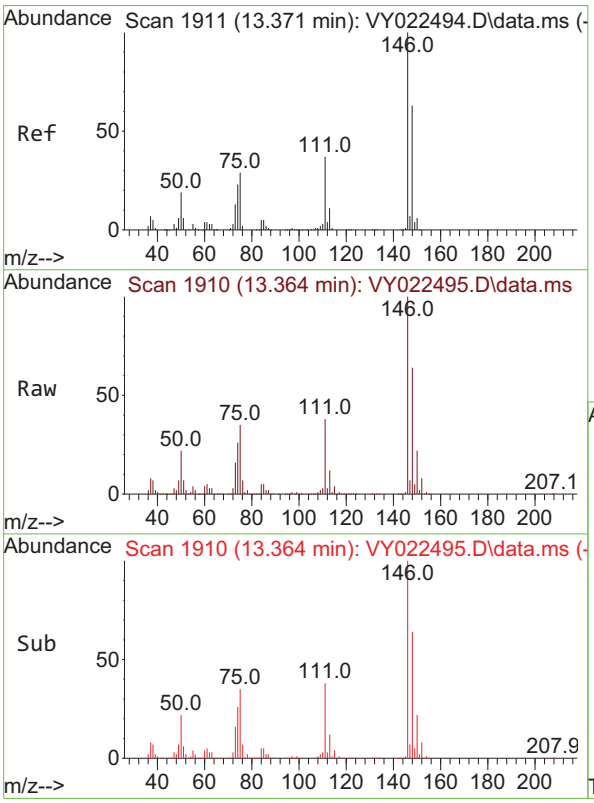
Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.2
148	63.4	32.1	96.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

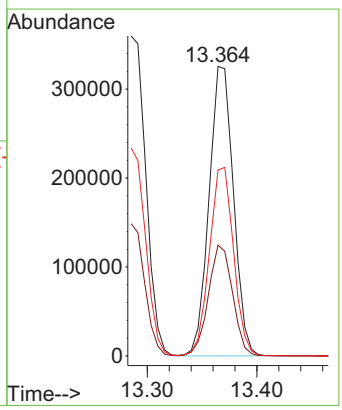


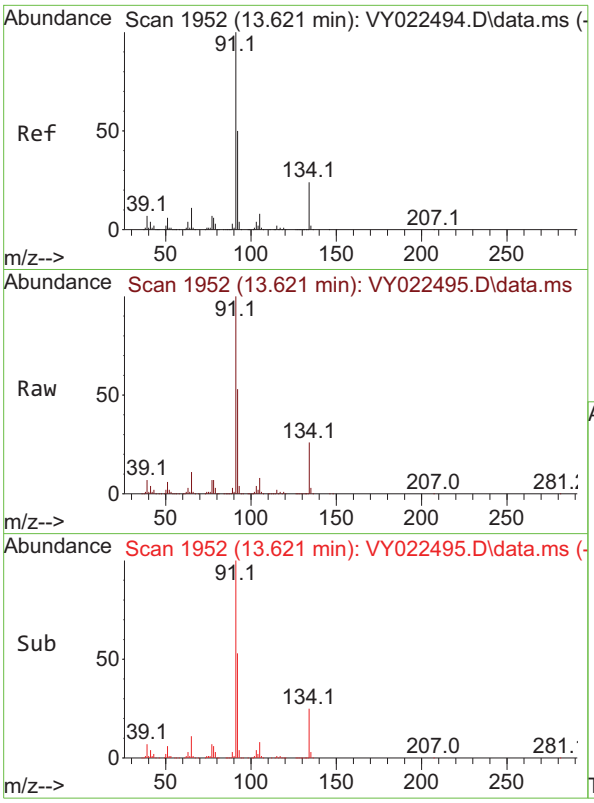


#88
1,4-Dichlorobenzene
Concen: 100.757 ug/l
RT: 13.364 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:146 Resp: 503842

Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.4	58.2
148	64.7	31.6	94.8

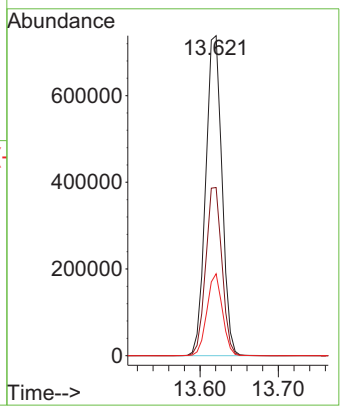




#89
n-Butylbenzene
Concen: 103.713 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 91 Resp: 106259

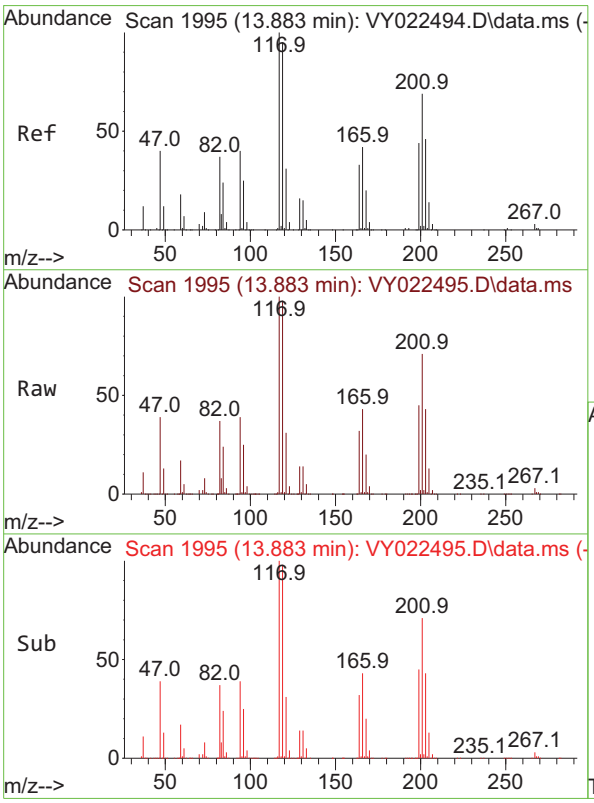
Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.9	77.8
134	24.4	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

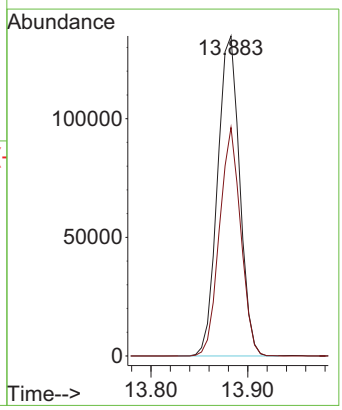
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

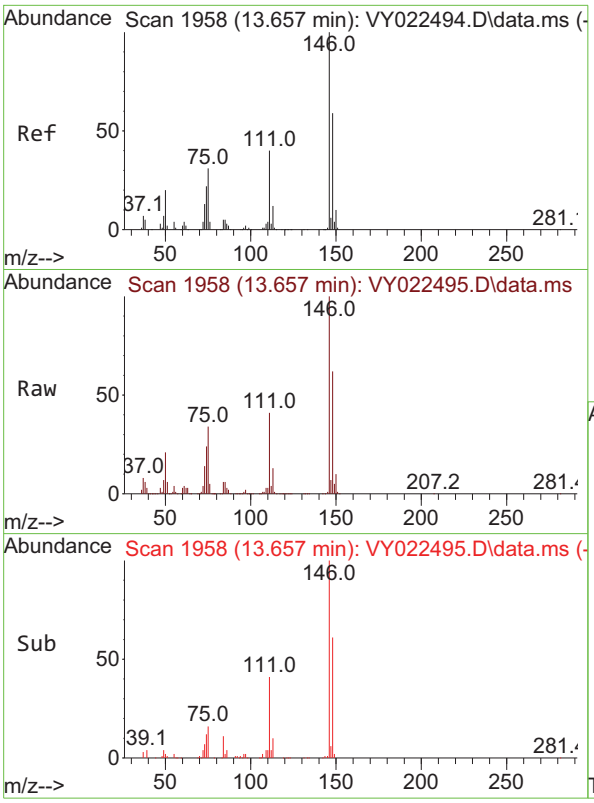


#90
Hexachloroethane
Concen: 101.224 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:117 Resp: 213148

Ion	Ratio	Lower	Upper
117	100		
201	68.6	34.0	102.0

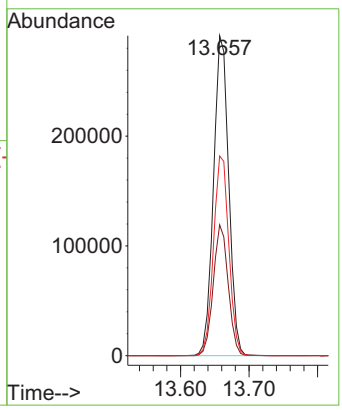




#91
1,2-Dichlorobenzene
Concen: 101.511 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:146 Resp: 44757

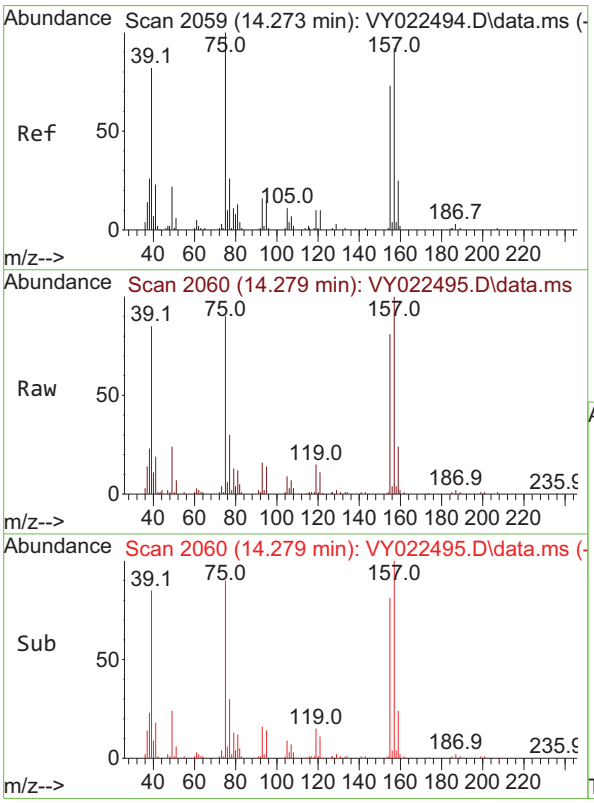
Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.2	60.6
148	63.2	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

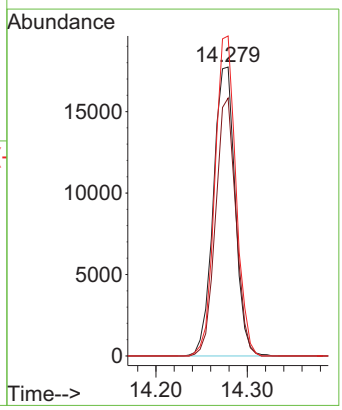
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

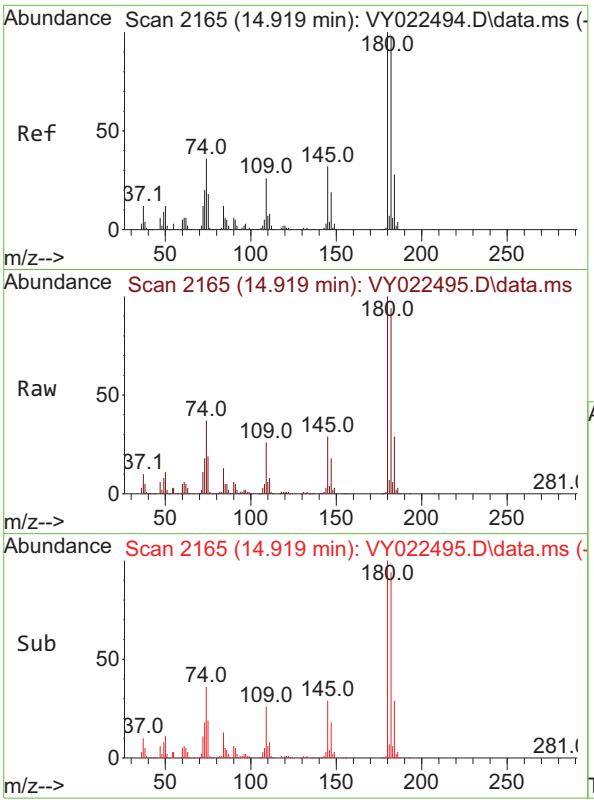


#92
1,2-Dibromo-3-Chloropropane
Concen: 98.805 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 75 Resp: 29357

Ion	Ratio	Lower	Upper
75	100		
155	83.2	39.9	119.6
157	106.6	54.0	162.0

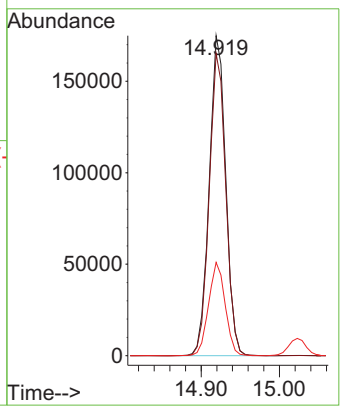




#93
1,2,4-Trichlorobenzene
Concen: 106.117 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:180 Resp: 25575

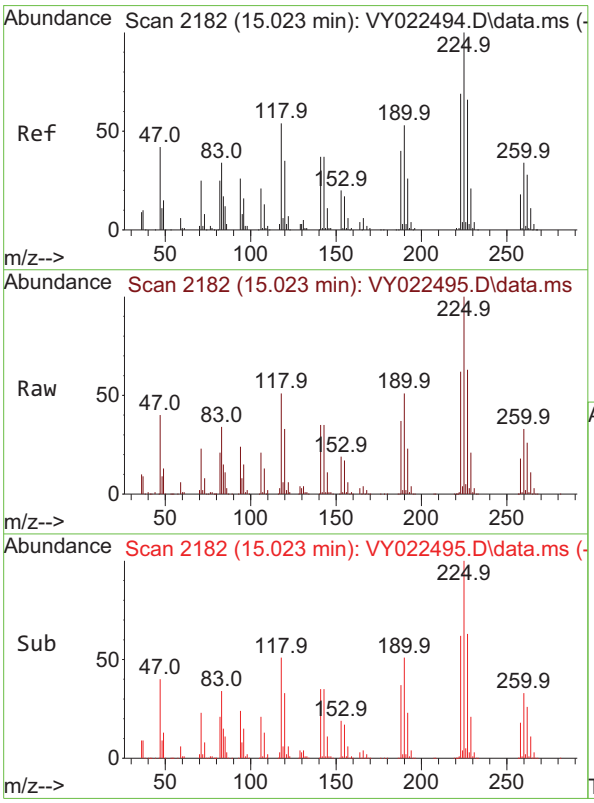
Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.4	145.3
145	29.3	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

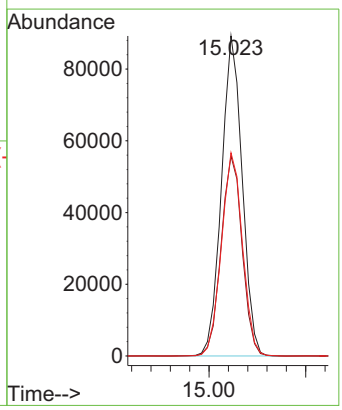
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

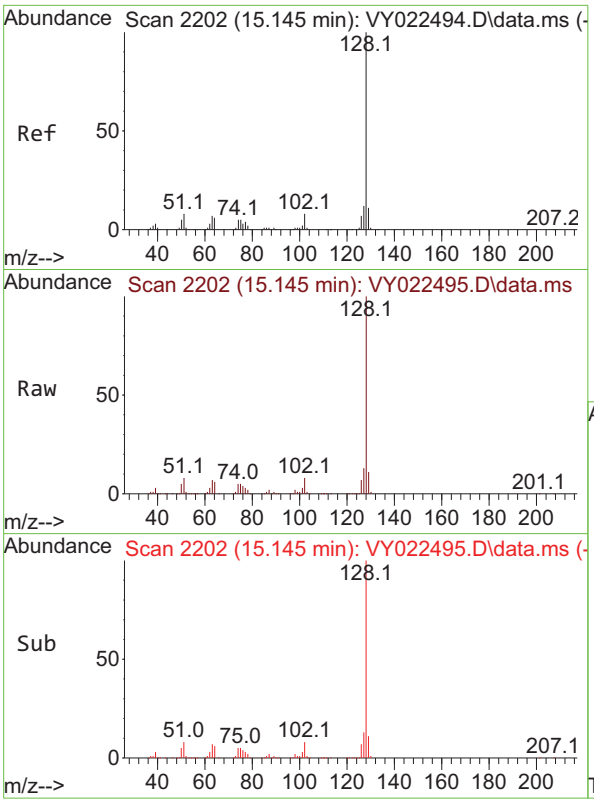


#94
Hexachlorobutadiene
Concen: 100.622 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:225 Resp: 132452

Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.5	97.4
227	64.6	32.3	96.9

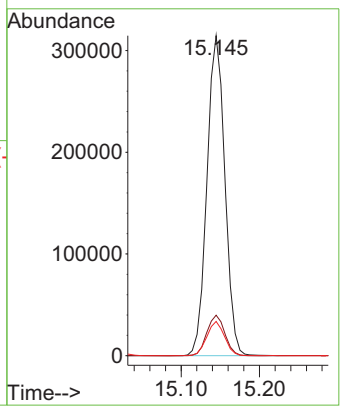




#95
Naphthalene
Concen: 108.155 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:128 Resp: 49955

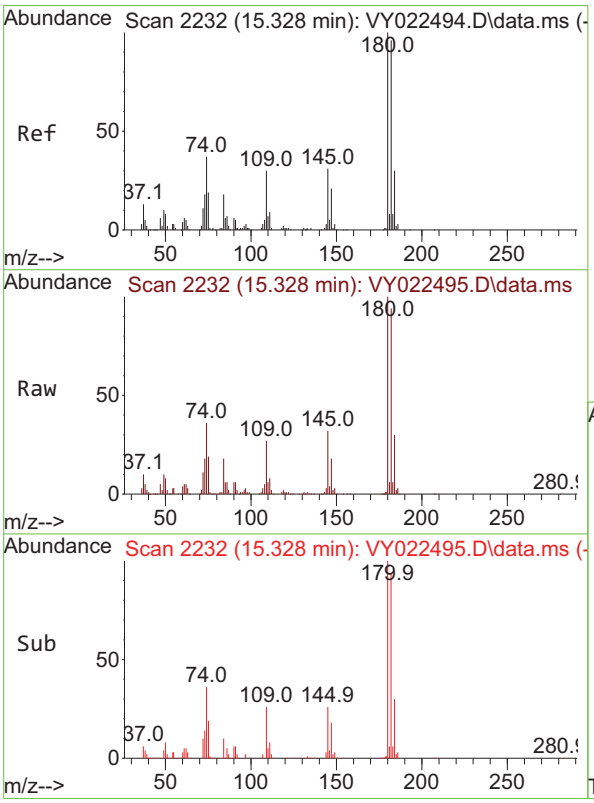
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	10.6	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

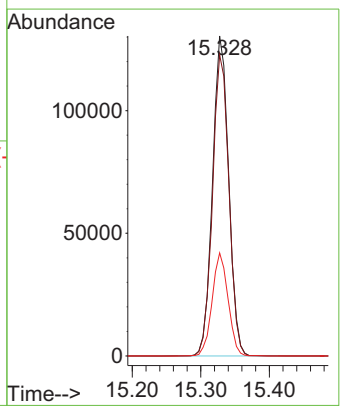
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 104.136 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:180 Resp: 213300

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.1	141.3
145	31.7	15.2	45.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	225293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	367991	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	313951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	150326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	377706	154.078	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 308.160%#			
35) Dibromofluoromethane	7.634	113	348038	160.661	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 321.320%#			
50) Toluene-d8	10.109	98	1432587	163.617	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 327.240%#			
62) 4-Bromofluorobenzene	12.408	95	426573	160.684	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 321.360%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	273817	139.086	ug/l	96
3) Chloromethane	2.068	50	800733	137.873	ug/l	99
4) Vinyl Chloride	2.202	62	967746	142.366	ug/l	99
5) Bromomethane	2.586	94	970833	150.991	ug/l	99
6) Chloroethane	2.733	64	651603	140.013	ug/l	95
7) Trichlorofluoromethane	3.050	101	885391	153.303	ug/l	98
8) Diethyl Ether	3.458	74	191391	150.036	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	360800	148.929	ug/l	100
10) Methyl Iodide	4.007	142	416014	160.129	ug/l	100
11) Tert butyl alcohol	4.879	59	128018	731.071	ug/l	100
12) 1,1-Dichloroethene	3.793	96	353193	152.730	ug/l	98
13) Acrolein	3.653	56	156417	731.778	ug/l	100
14) Allyl chloride	4.385	41	551896	153.152	ug/l	100
15) Acrylonitrile	5.061	53	406745	749.634	ug/l	99
16) Acetone	3.879	43	311886	643.577	ug/l	95
17) Carbon Disulfide	4.104	76	1126077	152.513	ug/l	99
18) Methyl Acetate	4.391	43	203507	139.589	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	988071	153.134	ug/l	99
20) Methylene Chloride	4.616	84	371818	137.416	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	399937	154.808	ug/l	99
22) Diisopropyl ether	6.025	45	1244804	155.346	ug/l	99
23) Vinyl Acetate	5.964	43	3806024	800.629	ug/l	100
24) 1,1-Dichloroethane	5.921	63	730276	154.173	ug/l	100
25) 2-Butanone	6.896	43	530692	742.386	ug/l	99
26) 2,2-Dichloropropane	6.890	77	664024	157.698	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	466804	156.334	ug/l	98
28) Bromochloromethane	7.250	49	320509	156.605	ug/l	100
29) Tetrahydrofuran	7.268	42	342435	742.566	ug/l	100
30) Chloroform	7.421	83	717477	153.285	ug/l	94
31) Cyclohexane	7.701	56	667836	140.095	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	660456	157.892	ug/l	99
36) 1,1-Dichloropropene	7.841	75	562935	160.756	ug/l	100
37) Ethyl Acetate	6.988	43	238966	155.059	ug/l	98
38) Carbon Tetrachloride	7.823	117	593167	164.311	ug/l	99
39) Methylcyclohexane	9.109	83	770382	162.851	ug/l	100
40) Benzene	8.085	78	1675603	162.332	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	136495	137.523	ug/l		98
42) 1,2-Dichloroethane	8.158	62	442216	157.491	ug/l		98
43) Isopropyl Acetate	8.201	43	522842	155.250	ug/l		98
44) Trichloroethene	8.866	130	394832	156.583	ug/l		97
45) 1,2-Dichloropropane	9.140	63	385206	156.539	ug/l		99
46) Dibromomethane	9.231	93	218014	158.140	ug/l		100
47) Bromodichloromethane	9.426	83	560425	160.221	ug/l		97
48) Methyl methacrylate	9.225	41	252724	163.897	ug/l		99
49) 1,4-Dioxane	9.231	88	50874	3093.301	ug/l		95
51) 4-Methyl-2-Pentanone	10.000	43	1358512	812.744	ug/l		98
52) Toluene	10.170	92	1093200	168.447	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	537922	166.237	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	615667	162.259	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	274460	158.086	ug/l		97
56) Ethyl methacrylate	10.438	69	423233	167.865	ug/l		99
57) 1,3-Dichloropropane	10.719	76	488570	158.010	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	1000760	890.345	ug/l		100
59) 2-Hexanone	10.762	43	896627	804.699	ug/l		100
60) Dibromochloromethane	10.914	129	356873	162.227	ug/l		100
61) 1,2-Dibromoethane	11.018	107	254128	158.625	ug/l		96
64) Tetrachloroethene	10.646	164	406758	152.453	ug/l		98
65) Chlorobenzene	11.444	112	1113347	163.544	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	395046	171.190	ug/l		99
67) Ethyl Benzene	11.518	91	2196819	173.285	ug/l		100
68) m/p-Xylenes	11.627	106	1694177	353.103	ug/l		100
69) o-Xylene	11.957	106	777688	173.188	ug/l		99
70) Styrene	11.969	104	1334986	179.564	ug/l		99
71) Bromoform	12.133	173	201469	166.138	ug/l	#	99
73) Isopropylbenzene	12.255	105	2011262	166.060	ug/l		100
74) N-amyl acetate	12.072	43	508301	165.957	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	310641	157.927	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	231729m	116.768	ug/l		
77) Bromobenzene	12.530	156	417122	162.489	ug/l		100
78) n-propylbenzene	12.597	91	2416013	163.876	ug/l		98
79) 2-Chlorotoluene	12.682	91	1275581	163.862	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1576906	166.511	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	111432	160.989	ug/l		96
82) 4-Chlorotoluene	12.780	91	1334965	165.467	ug/l		99
83) tert-Butylbenzene	12.999	119	1434641	166.064	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1623289	171.323	ug/l		99
85) sec-Butylbenzene	13.176	105	2140445	163.415	ug/l		100
86) p-Isopropyltoluene	13.292	119	1877539	174.353	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	885058	172.326	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	803022	160.470	ug/l		99
89) n-Butylbenzene	13.615	91	1691118	164.939	ug/l		99
90) Hexachloroethane	13.877	117	338845	160.801	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	705129	159.809	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	44514	149.709	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	390170	161.773	ug/l		97
94) Hexachlorobutadiene	15.023	225	199423	151.389	ug/l		98
95) Naphthalene	15.145	128	753279	162.970	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	321960	157.072	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 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

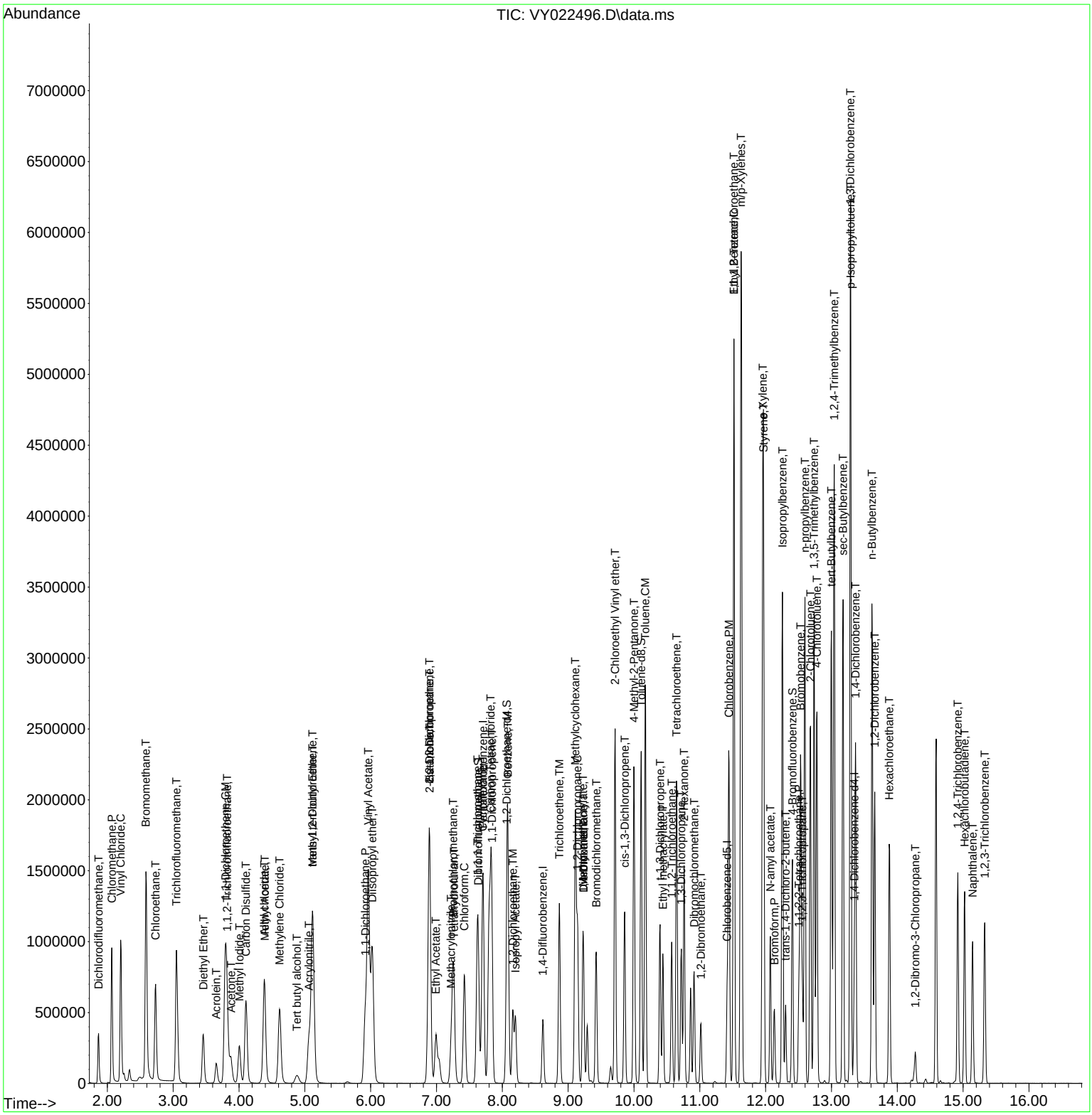
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

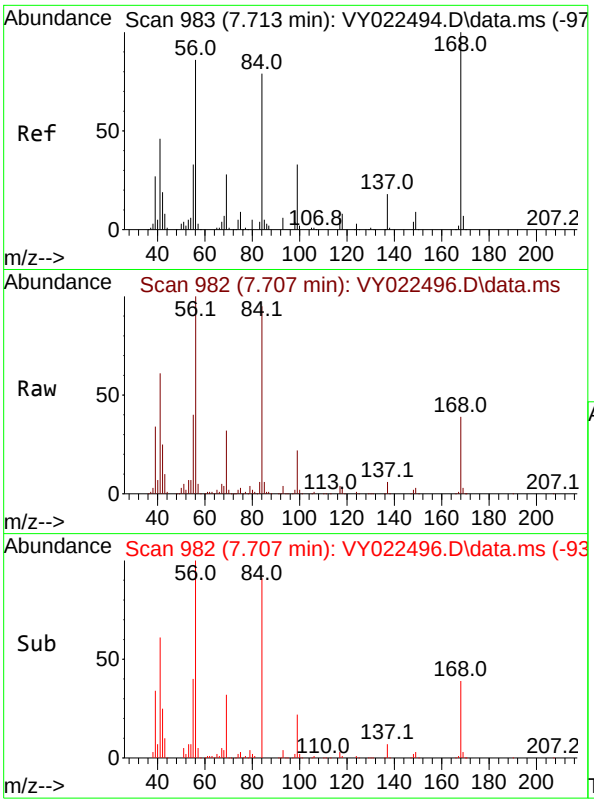
Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

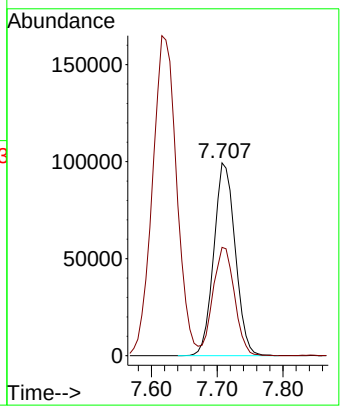
Tgt Ion:168 Resp: 22529

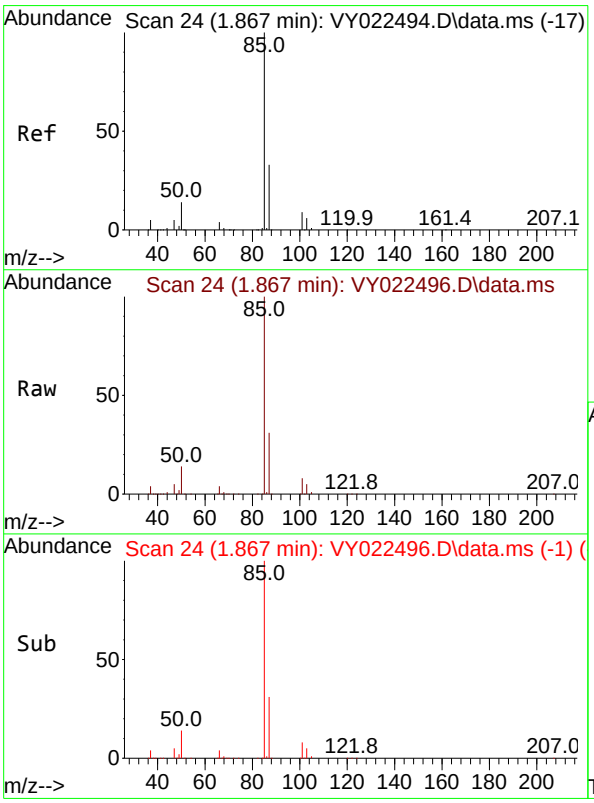
Ion	Ratio	Lower	Upper
168	100		
99	56.1	44.3	66.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

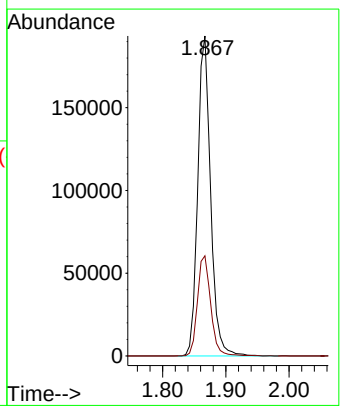


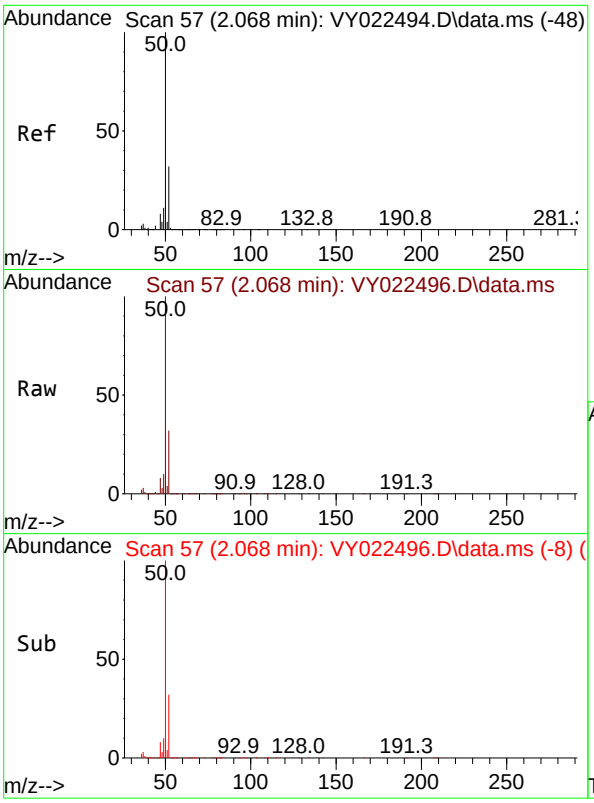


#2
Dichlorodifluoromethane
Concen: 139.086 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 85 Resp: 273817

Ion	Ratio	Lower	Upper
85	100		
87	31.3	16.7	50.0

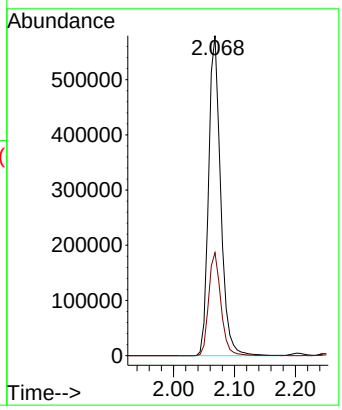




#3
Chloromethane
Concen: 137.873 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 50 Resp: 80073

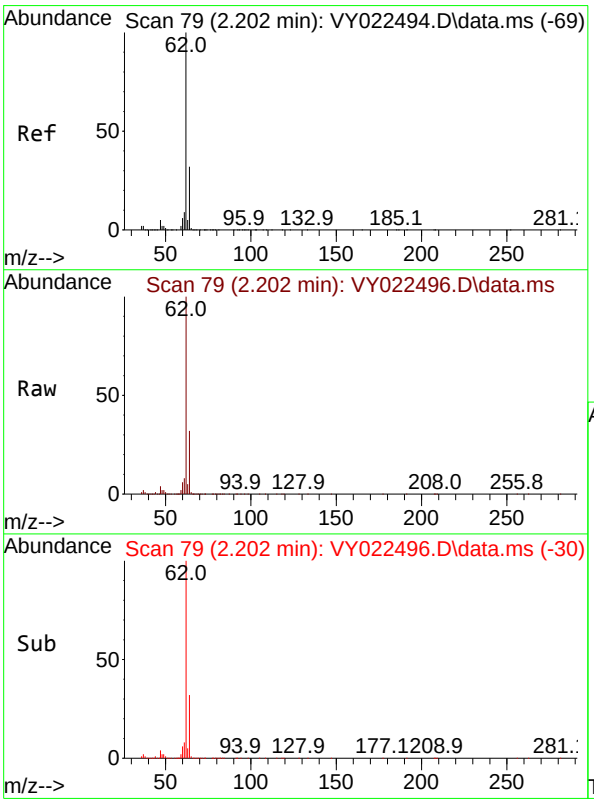
Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

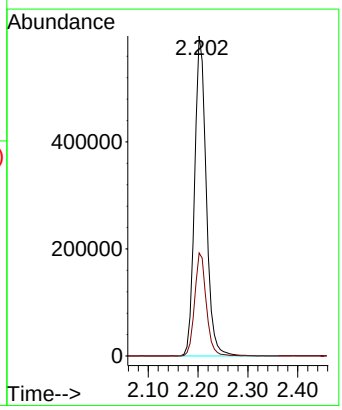
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

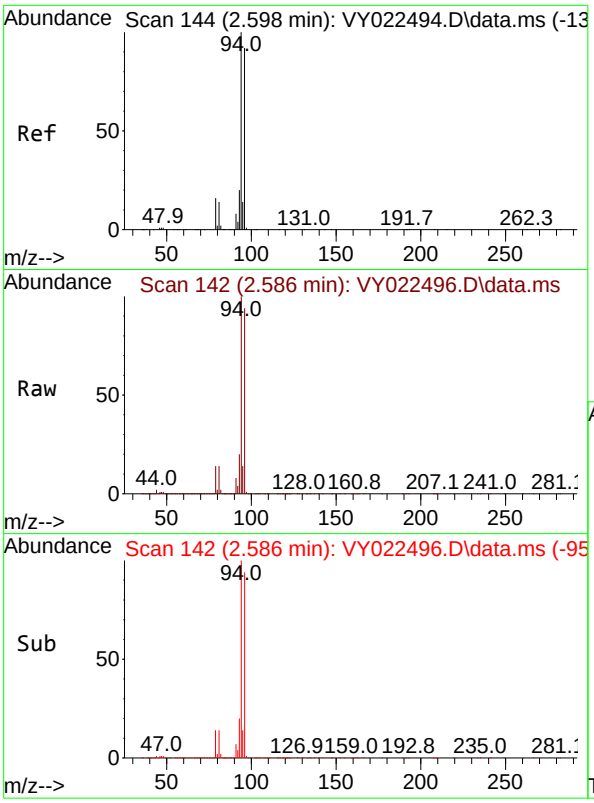


#4
Vinyl Chloride
Concen: 142.366 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 62 Resp: 967746

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.3	37.9

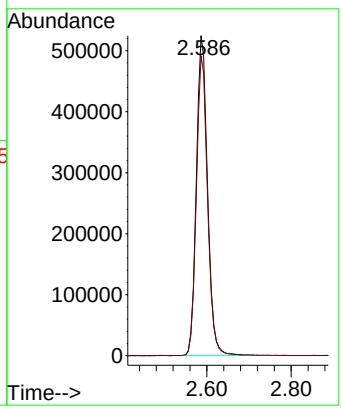




#5
Bromomethane
Concen: 150.991 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 94 Resp: 97083

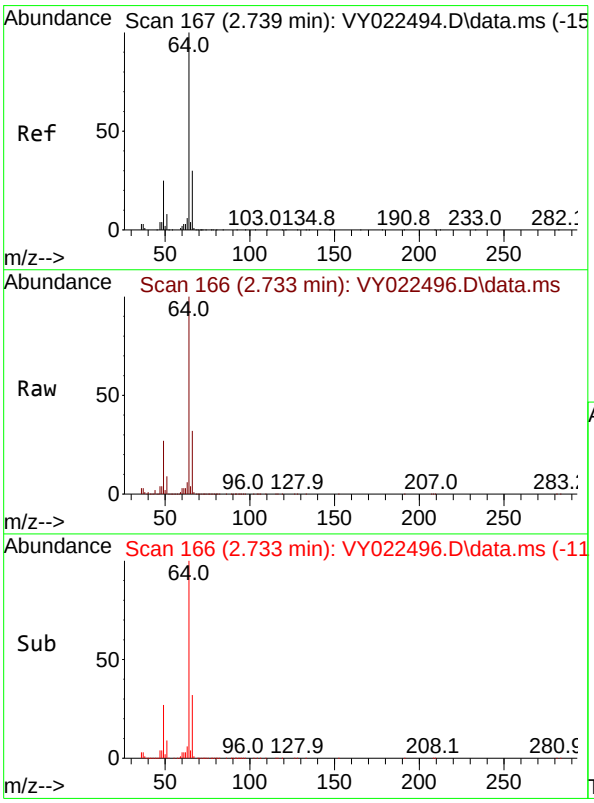
Ion	Ratio	Lower	Upper
94	100		
96	93.7	74.0	111.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

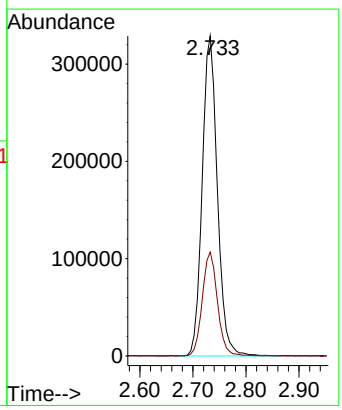
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

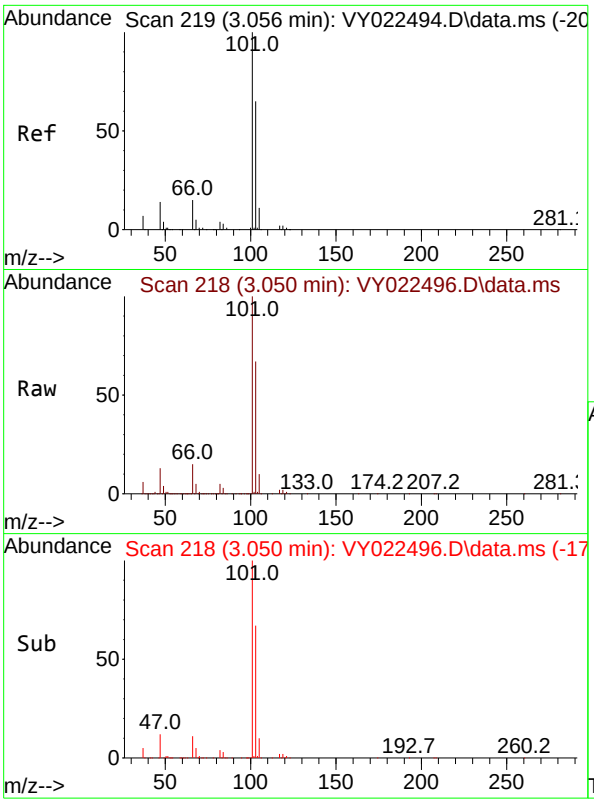


#6
Chloroethane
Concen: 140.013 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 64 Resp: 651603

Ion	Ratio	Lower	Upper
64	100		
66	32.4	23.8	35.6

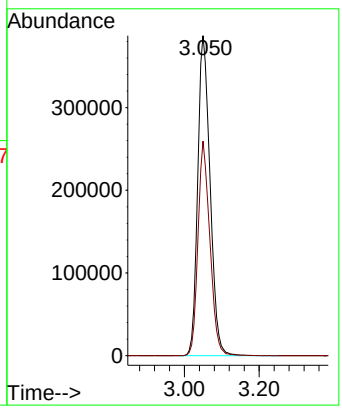




#7
Trichlorofluoromethane
Concen: 153.303 ug/l
RT: 3.050 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:101 Resp: 88539

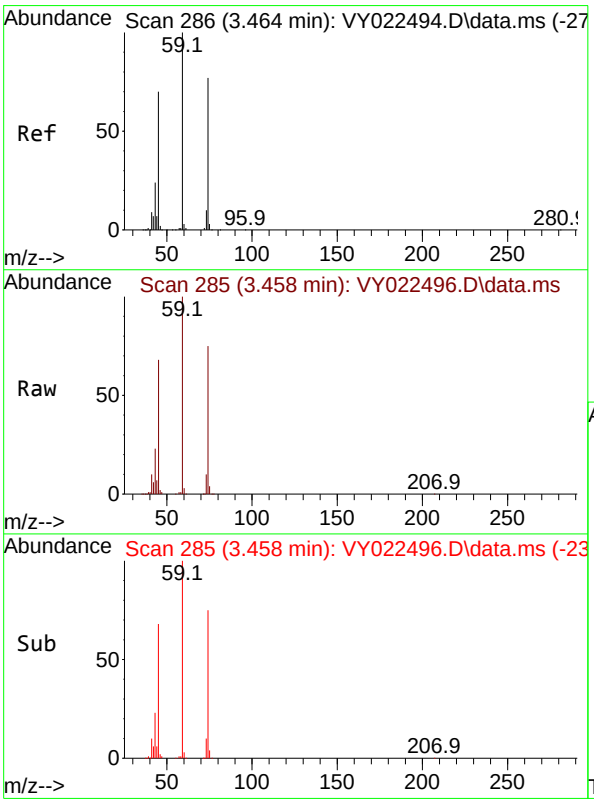
Ion	Ratio	Lower	Upper
101	100		
103	67.0	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

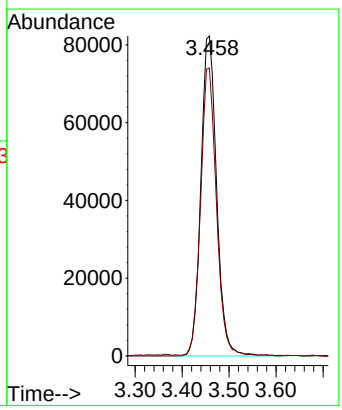
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

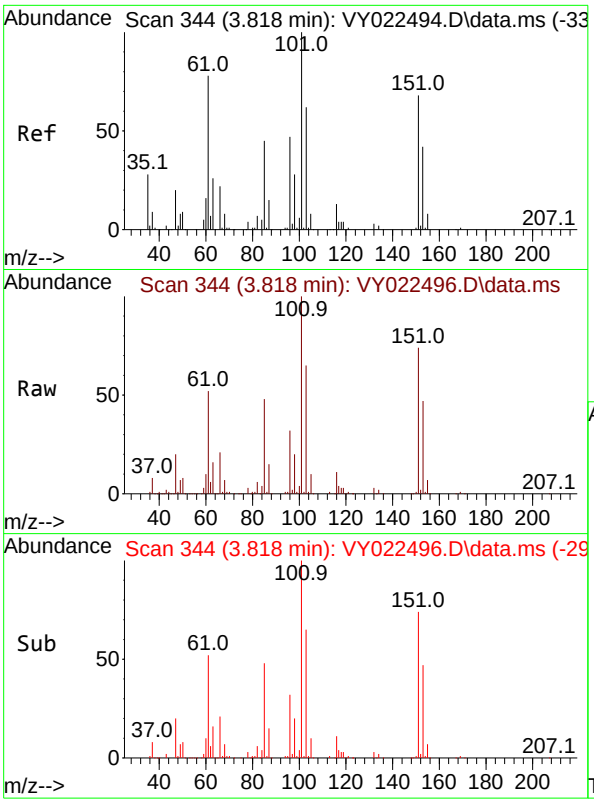


#8
Diethyl Ether
Concen: 150.036 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 74 Resp: 191391

Ion	Ratio	Lower	Upper
74	100		
45	89.8	45.9	137.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 148.929 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

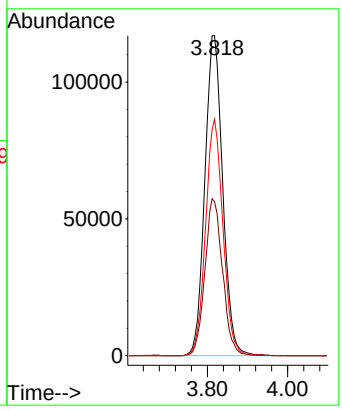
Tgt Ion:101 Resp: 360800

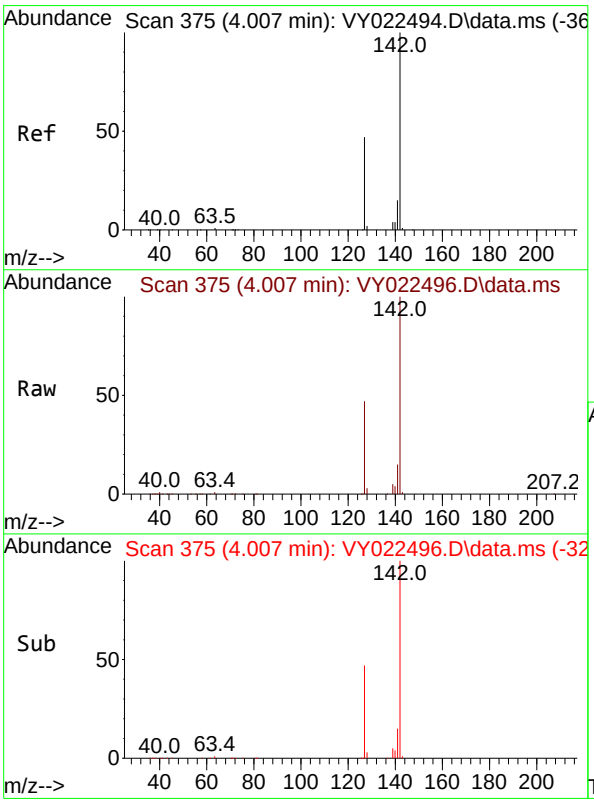
Ion	Ratio	Lower	Upper
101	100		
85	48.7	39.3	58.9
151	72.4	57.8	86.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

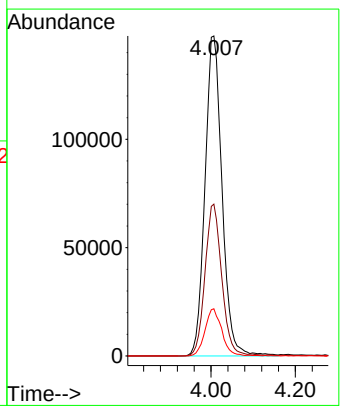


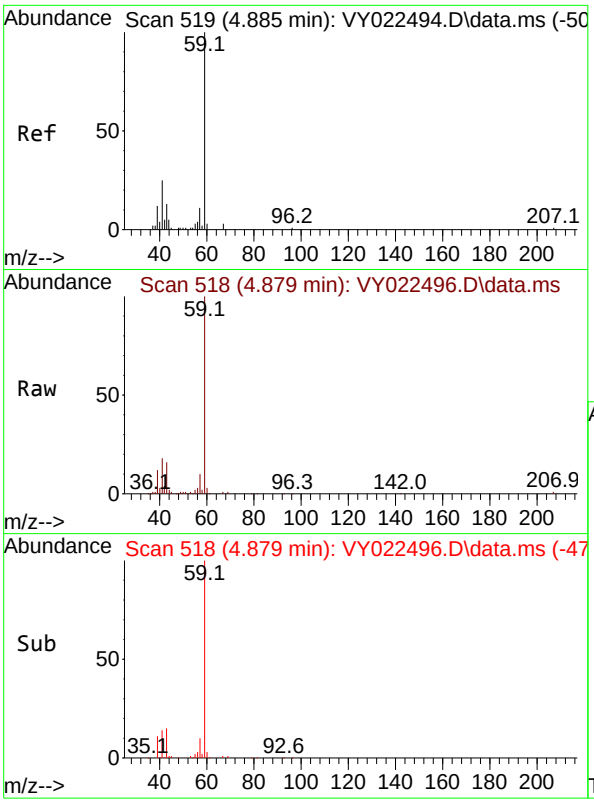


#10
Methyl Iodide
Concen: 160.129 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:142 Resp: 416014

Ion	Ratio	Lower	Upper
142	100		
127	46.7	37.1	55.7
141	14.6	11.4	17.2

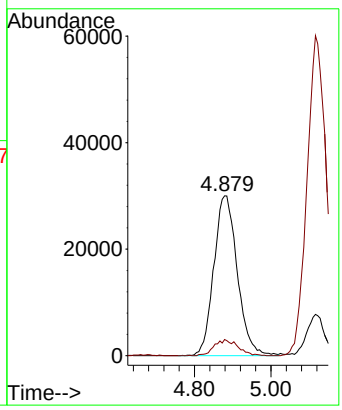




#11
Tert butyl alcohol
Concen: 731.071 ug/l
RT: 4.879 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 59 Resp: 12801

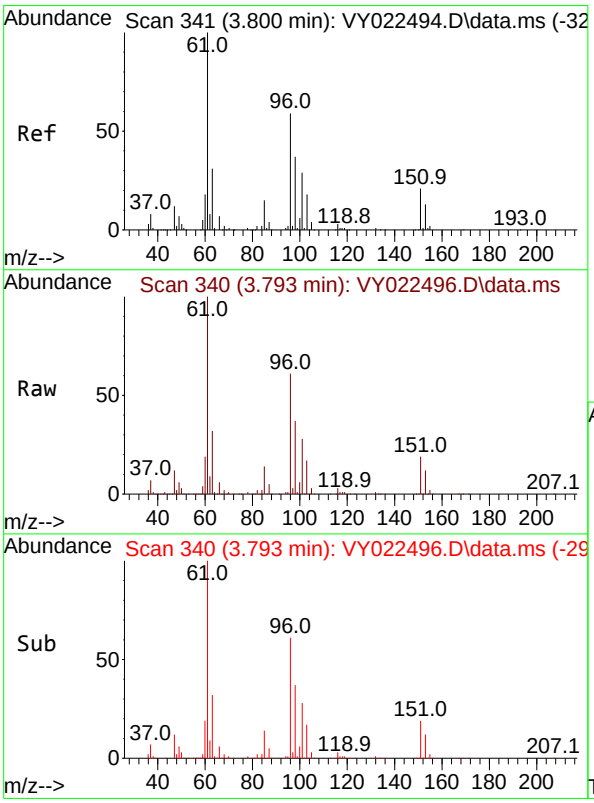
Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.0	12.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

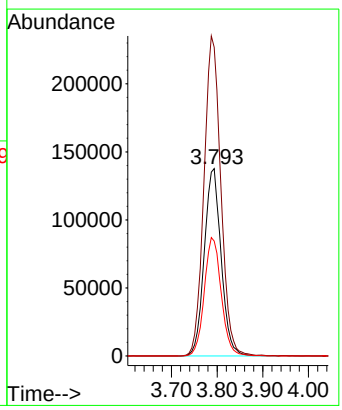
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

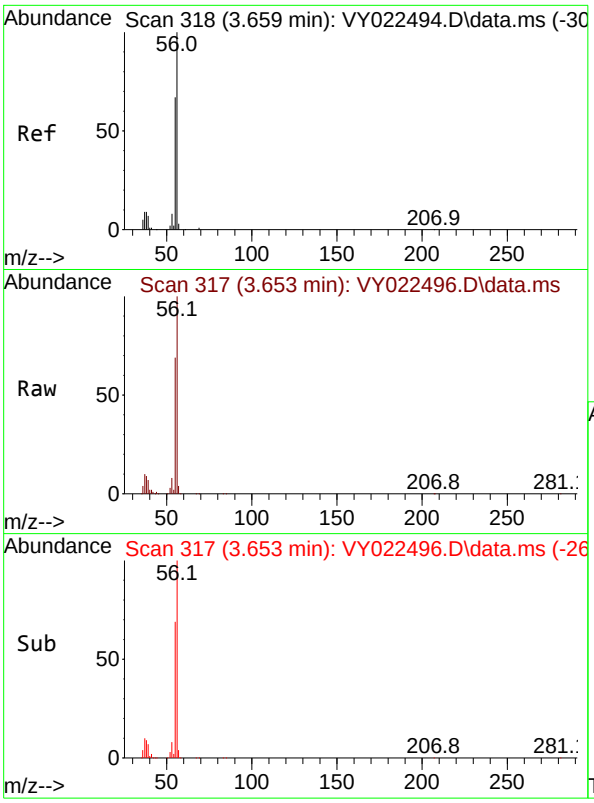


#12
1,1-Dichloroethene
Concen: 152.730 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 96 Resp: 353193

Ion	Ratio	Lower	Upper
96	100		
61	164.8	134.6	201.8
98	61.3	50.2	75.4

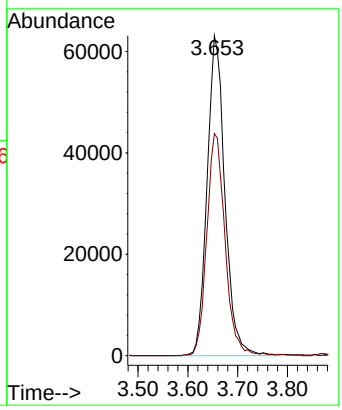




#13
Acrolein
Concen: 731.778 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 56 Resp: 15641

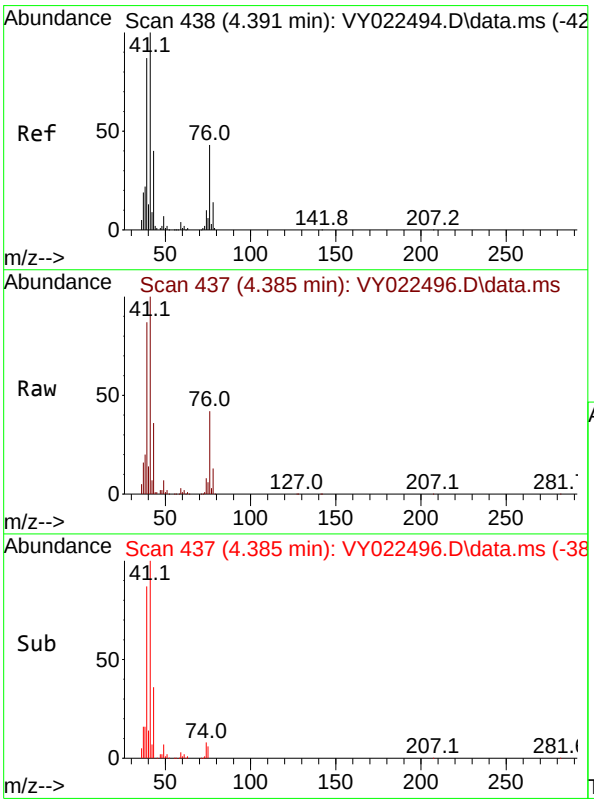
Ion	Ratio	Lower	Upper
56	100		
55	70.9	57.0	85.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

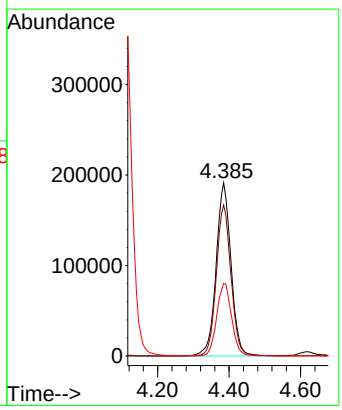
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

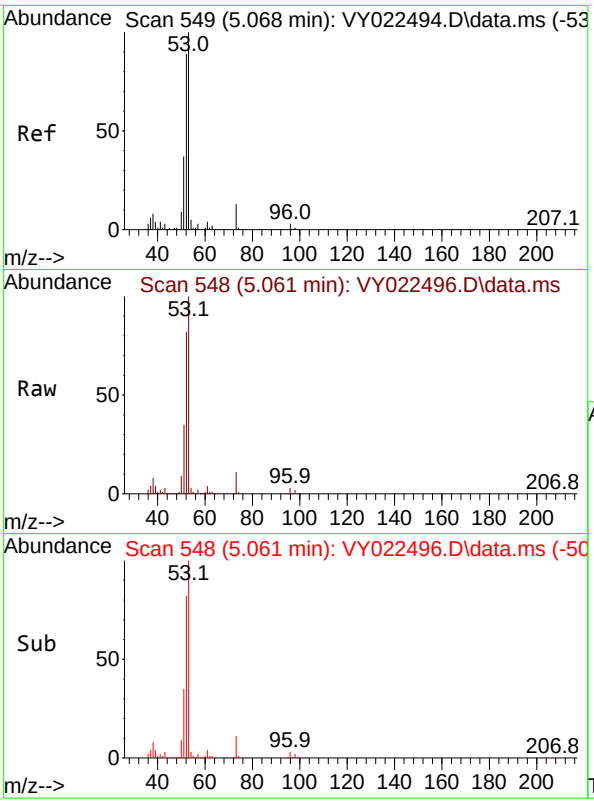


#14
Allyl chloride
Concen: 153.152 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 41 Resp: 551896

Ion	Ratio	Lower	Upper
41	100		
39	86.2	69.1	103.7
76	41.5	33.5	50.3

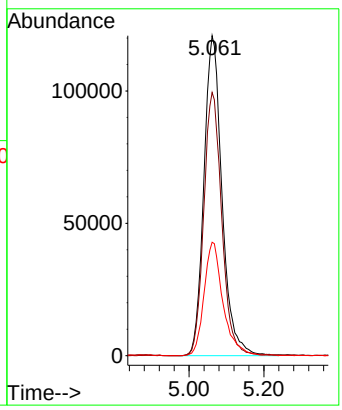




#15
Acrylonitrile
Concen: 749.634 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 53 Resp: 40674

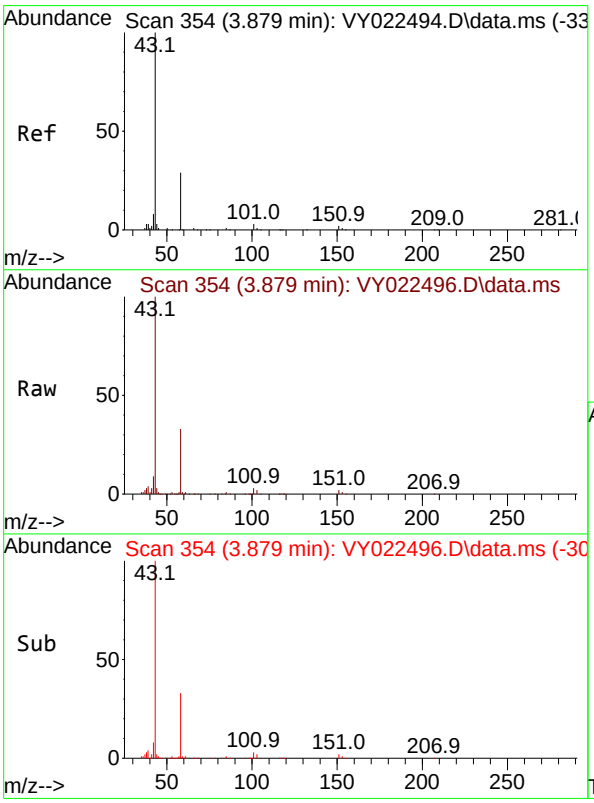
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.7	98.5
51	37.1	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

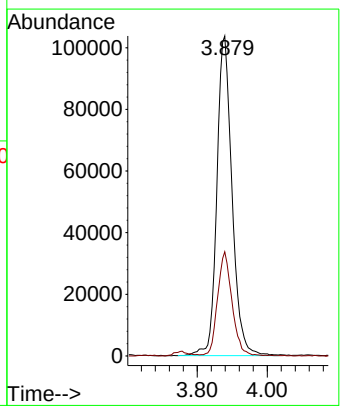
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

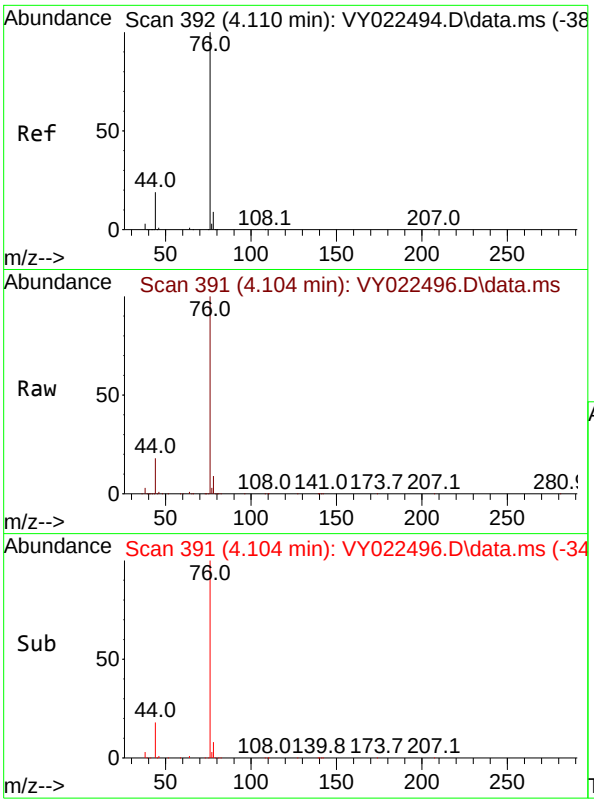


#16
Acetone
Concen: 643.577 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 311886

Ion	Ratio	Lower	Upper
43	100		
58	32.5	24.0	36.0





#17
Carbon Disulfide
Concen: 152.513 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

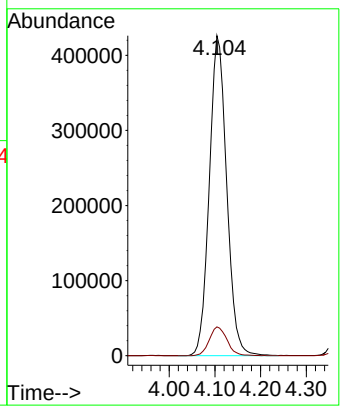
Tgt Ion: 76 Resp: 112607

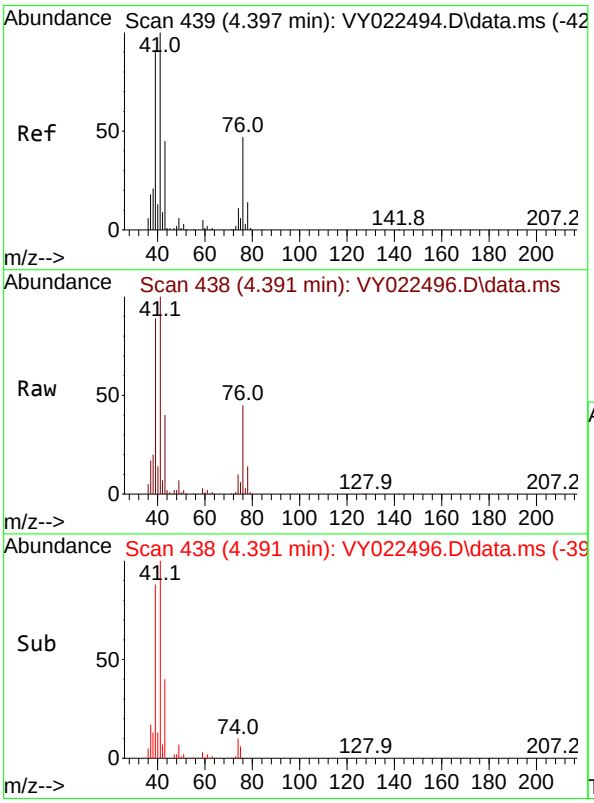
Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

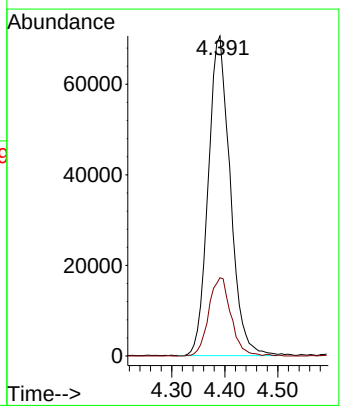


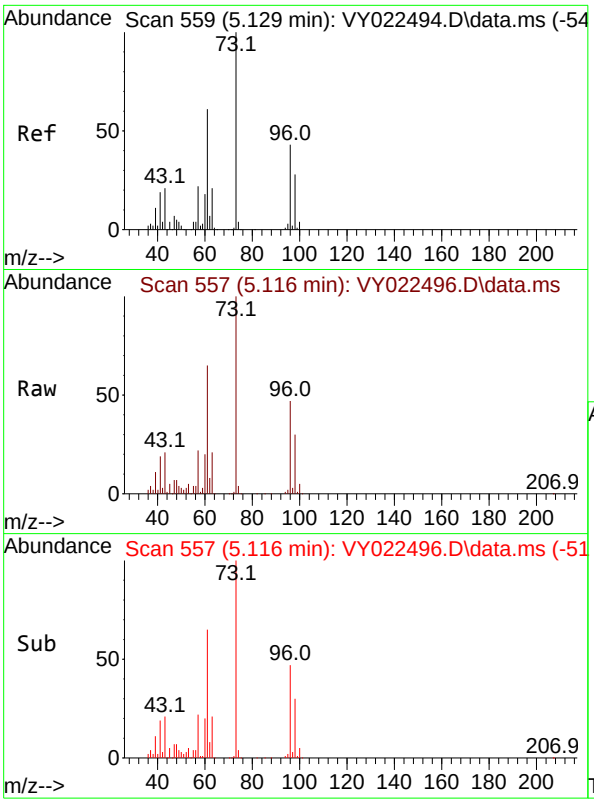


#18
Methyl Acetate
Concen: 139.589 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 203507

Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.8	29.6

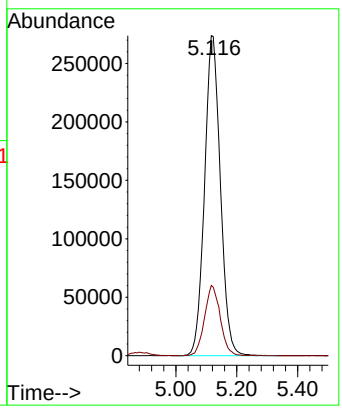




#19
Methyl tert-butyl Ether
Concen: 153.134 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 73 Resp: 98807

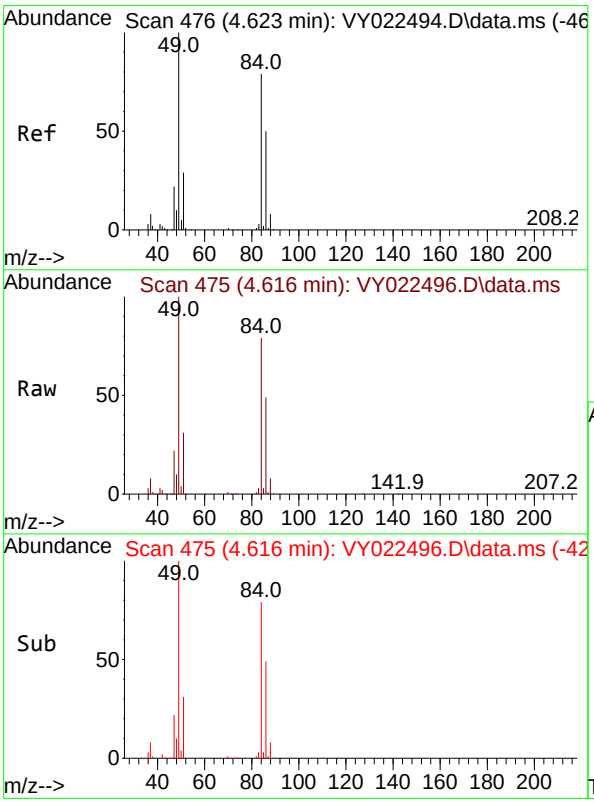
Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

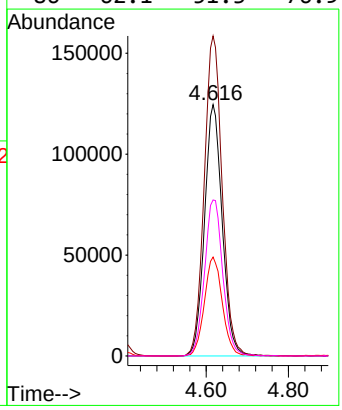
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

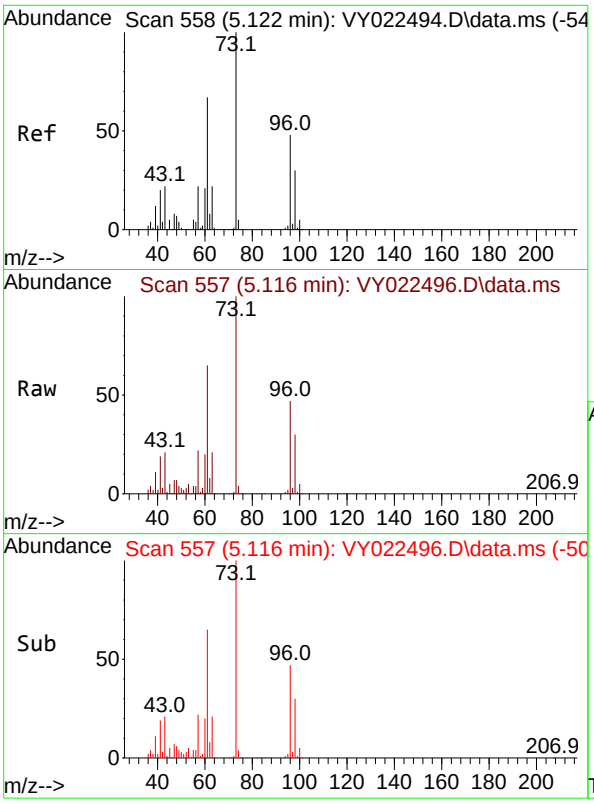


#20
Methylene Chloride
Concen: 137.416 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 84 Resp: 371818

Ion	Ratio	Lower	Upper
84	100		
49	127.3	101.9	152.9
51	39.4	29.8	44.8
86	62.1	51.3	76.9





#21
trans-1,2-Dichloroethene
Concen: 154.808 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

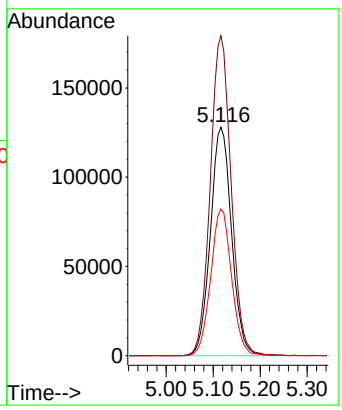
Tgt Ion: 96 Resp: 39993

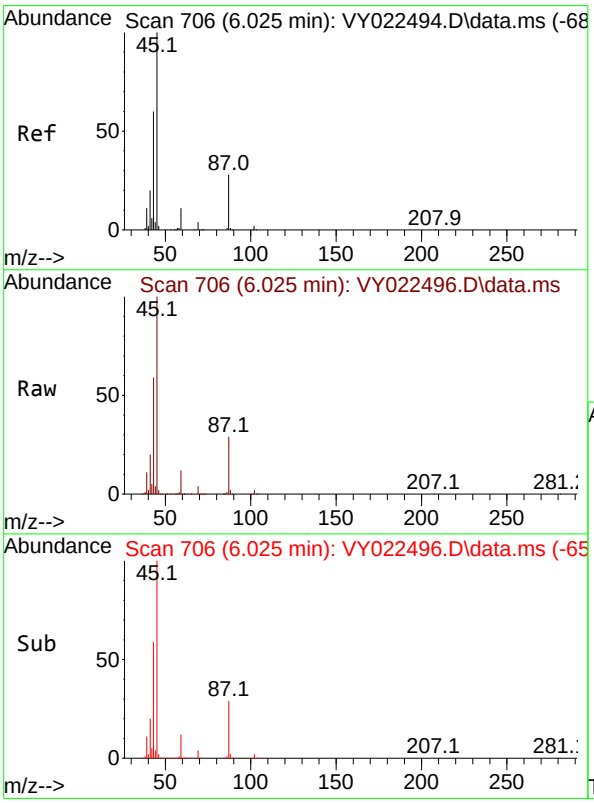
Ion	Ratio	Lower	Upper
96	100		
61	140.1	112.6	169.0
98	64.1	50.6	75.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

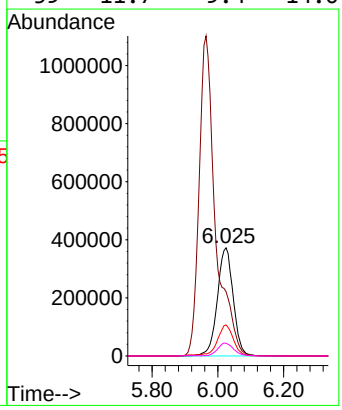


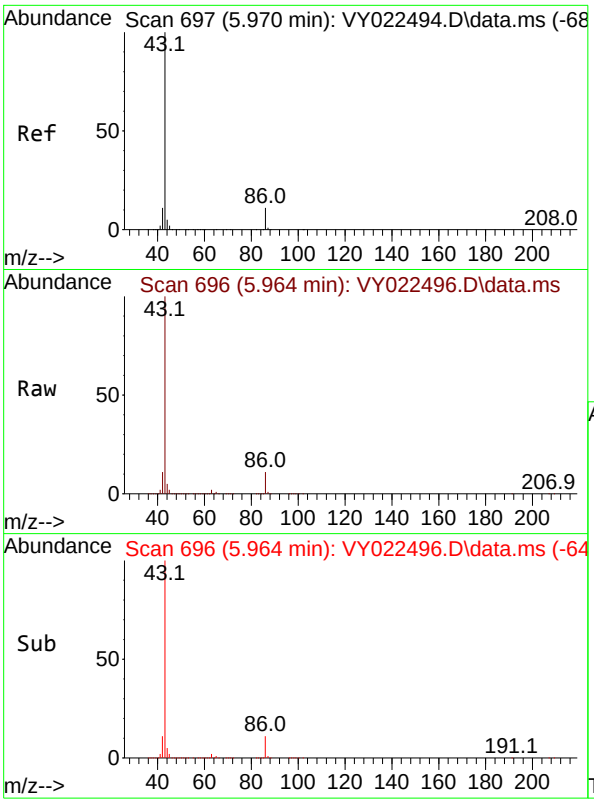


#22
Diisopropyl ether
Concen: 155.346 ug/l
RT: 6.025 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 45 Resp: 1244804

Ion	Ratio	Lower	Upper
45	100		
43	59.5	48.3	72.5
87	28.6	23.0	34.6
59	11.7	9.4	14.0





#23
Vinyl Acetate
Concen: 800.629 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

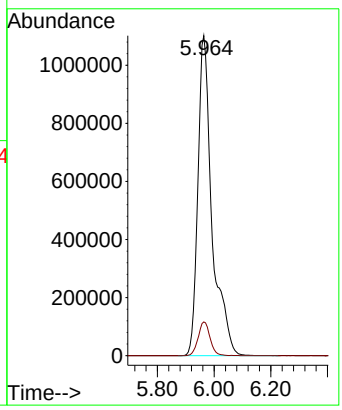
Tgt Ion: 43 Resp: 380602

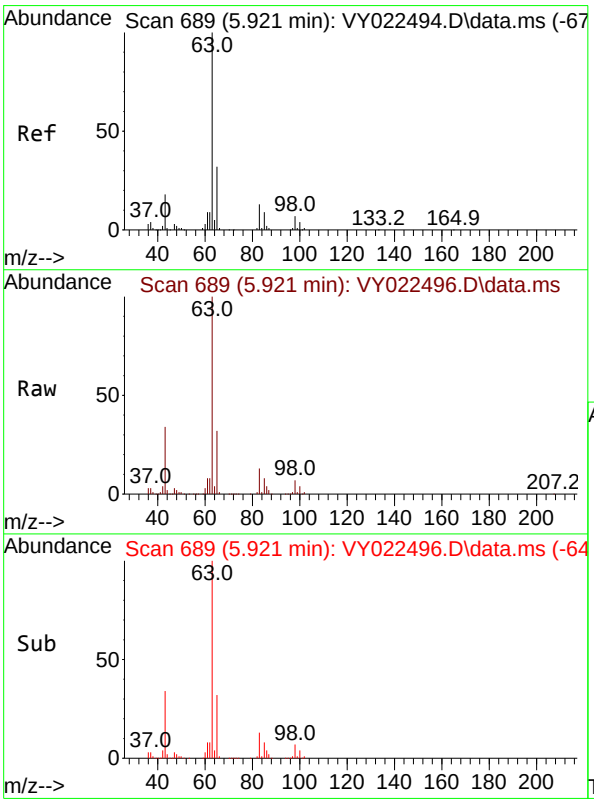
Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.6	12.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

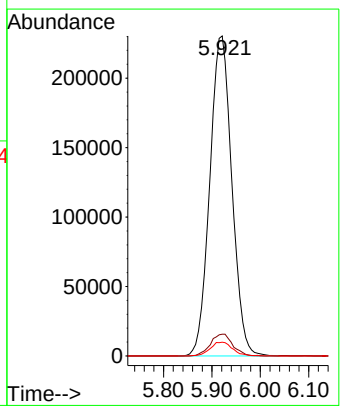


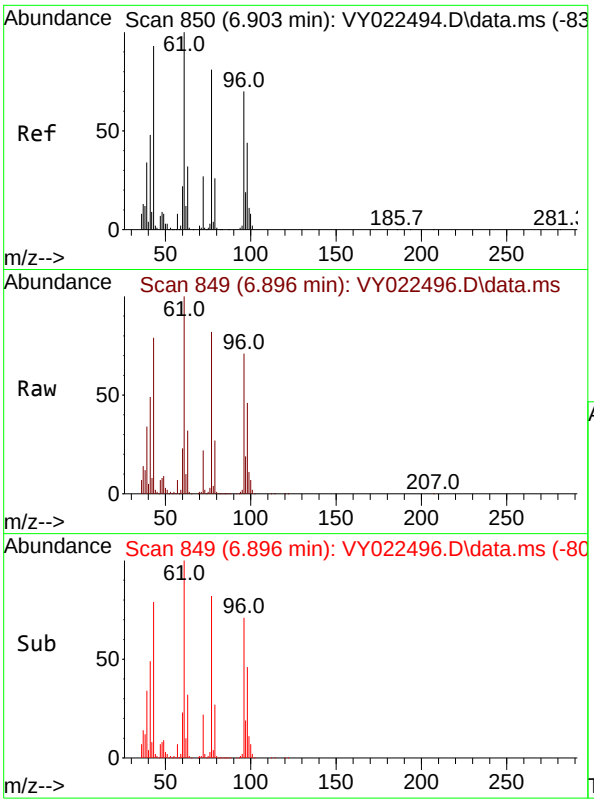


#24
1,1-Dichloroethane
Concen: 154.173 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 63 Resp: 730276

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.1
100	4.3	2.1	6.3

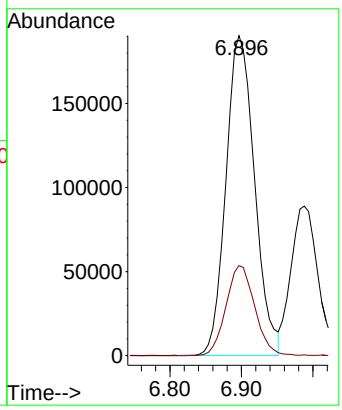




#25
2-Butanone
Concen: 742.386 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 53069

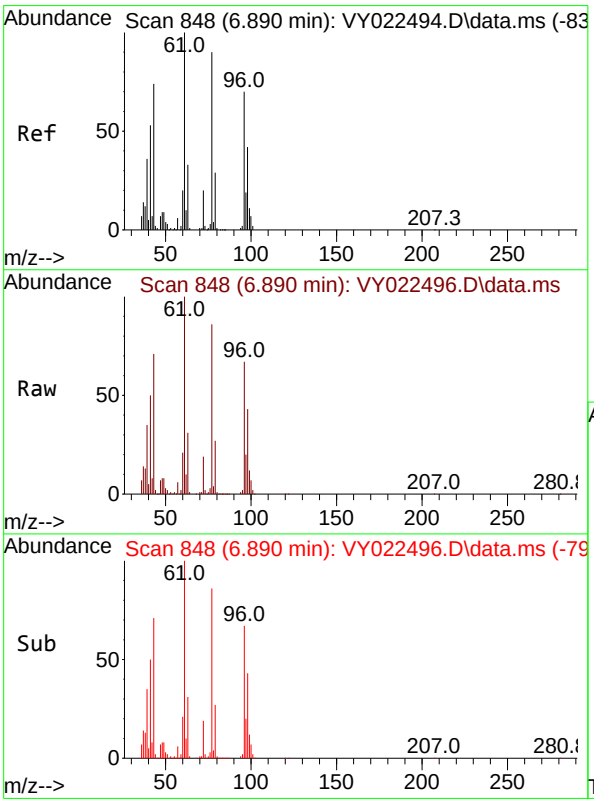
Ion	Ratio	Lower	Upper
43	100		
72	28.2	22.9	34.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

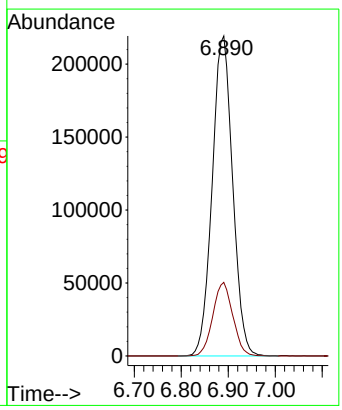
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

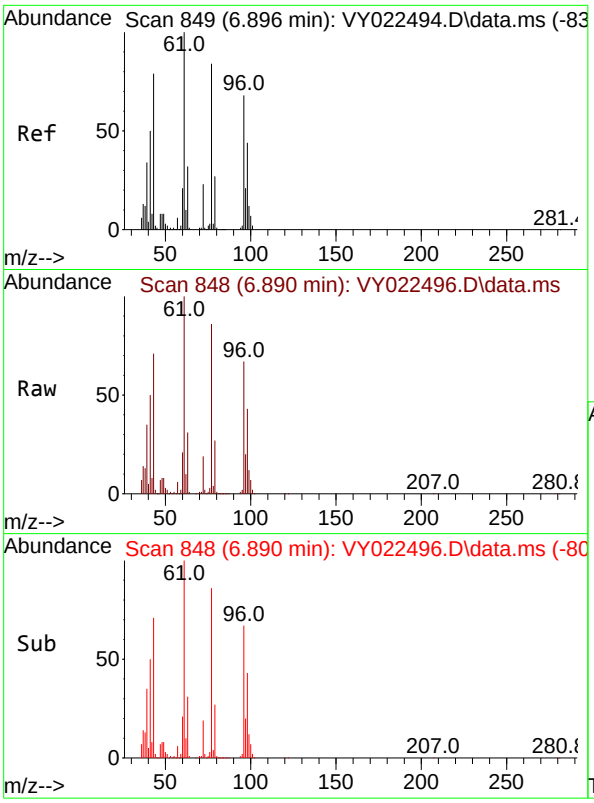


#26
2,2-Dichloropropane
Concen: 157.698 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 77 Resp: 664024

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.4	34.2





#27
cis-1,2-Dichloroethene
Concen: 156.334 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

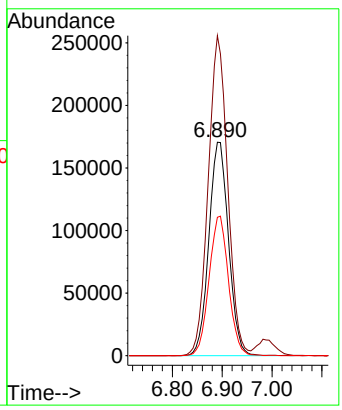
Tgt Ion: 96 Resp: 46680

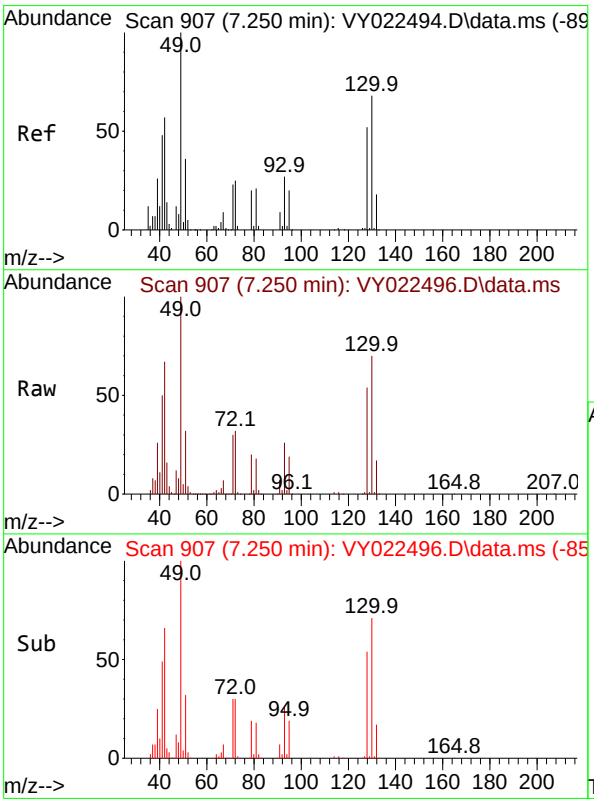
Ion	Ratio	Lower	Upper
96	100		
61	148.6	0.0	290.0
98	64.7	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

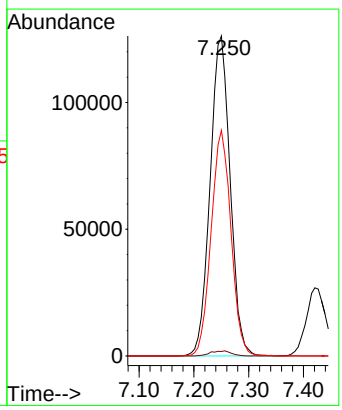


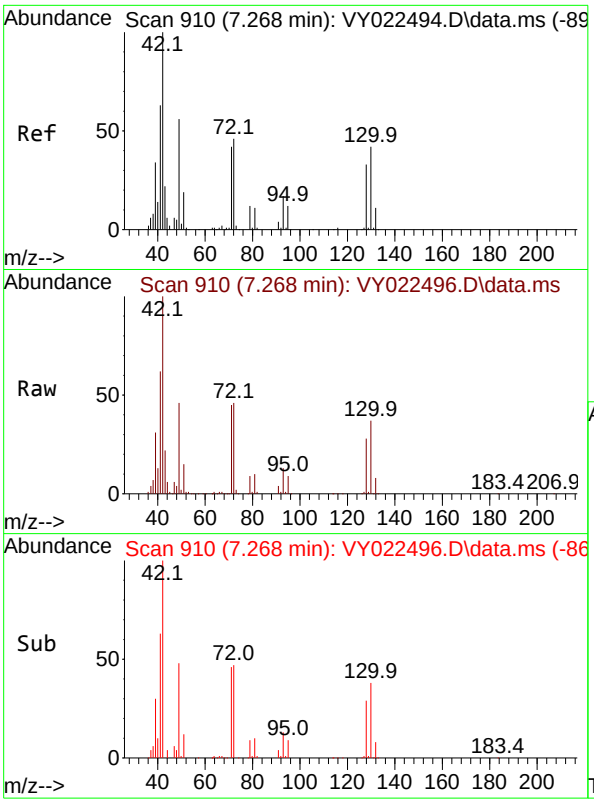


#28
Bromochloromethane
Concen: 156.605 ug/l
RT: 7.250 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 49 Resp: 320509

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	69.8	55.7	83.5

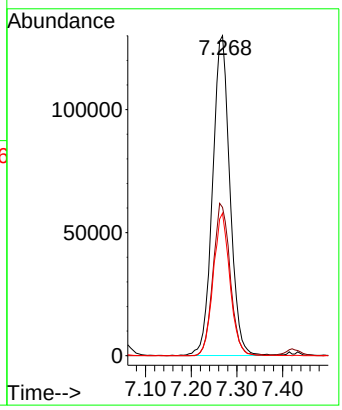




#29
Tetrahydrofuran
Concen: 742.566 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 42 Resp: 34243

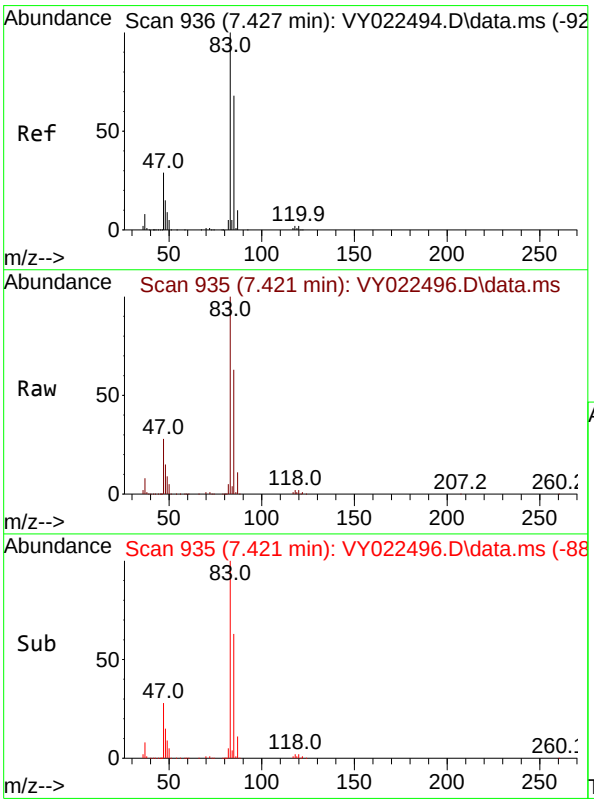
Ion	Ratio	Lower	Upper
42	100		
72	47.0	37.4	56.2
71	42.9	34.2	51.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

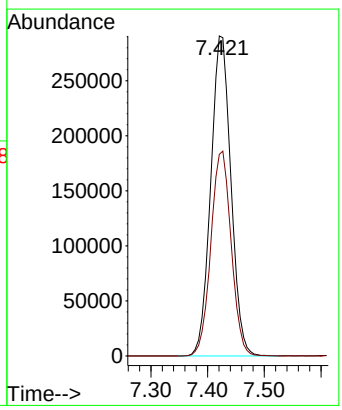
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

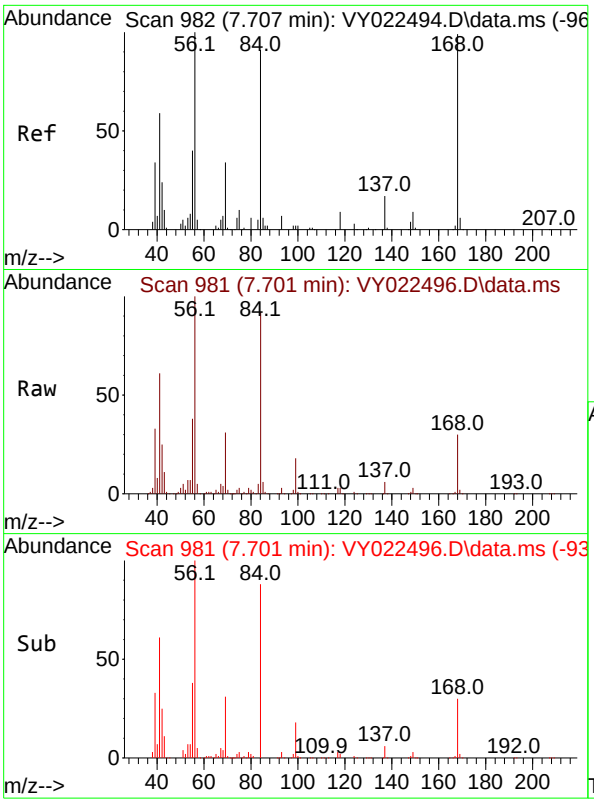


#30
Chloroform
Concen: 153.285 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 83 Resp: 717477

Ion	Ratio	Lower	Upper
83	100		
85	63.0	54.2	81.4





#31
Cyclohexane
Concen: 140.095 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

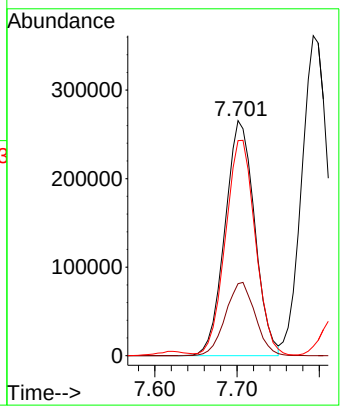
Tgt Ion: 56 Resp: 66783

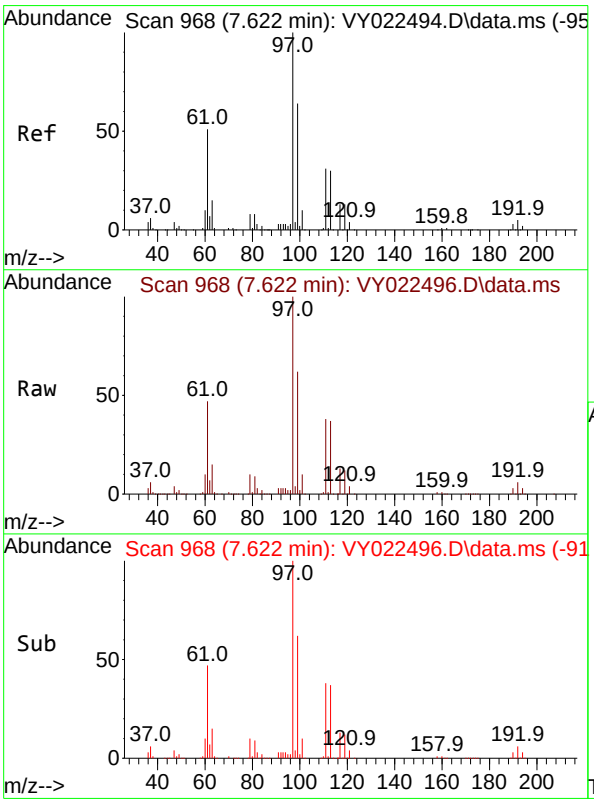
Ion	Ratio	Lower	Upper
56	100		
69	30.6	27.0	40.6
84	89.9	72.6	109.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

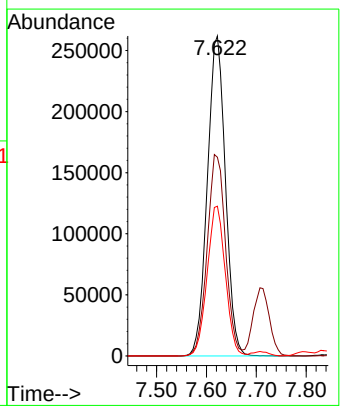


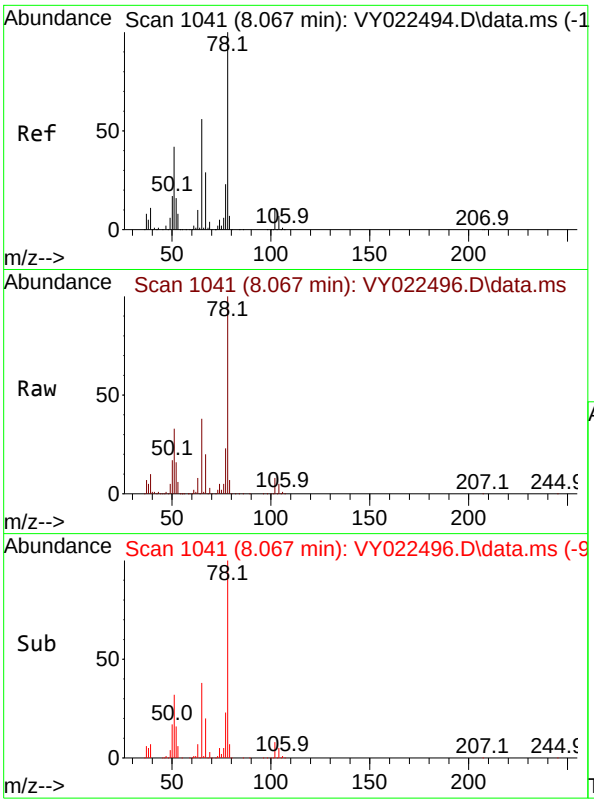


#32
1,1,1-Trichloroethane
Concen: 157.892 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 97 Resp: 660456

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.9	76.3
61	47.2	38.5	57.7





#33
1,2-Dichloroethane-d4
Concen: 154.078 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

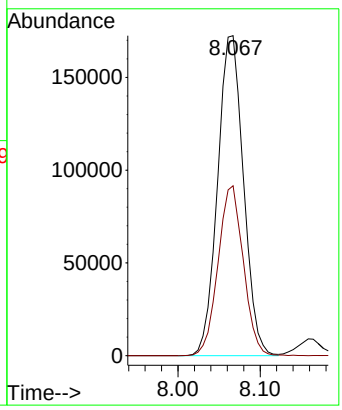
Tgt Ion: 65 Resp: 37770

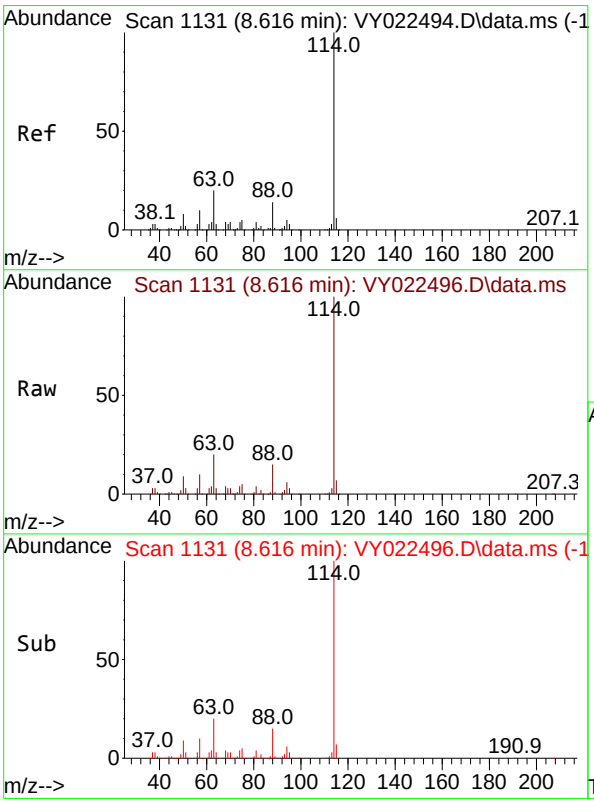
Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

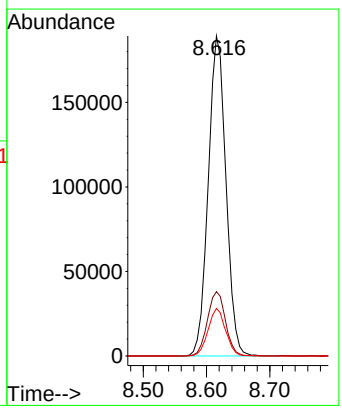


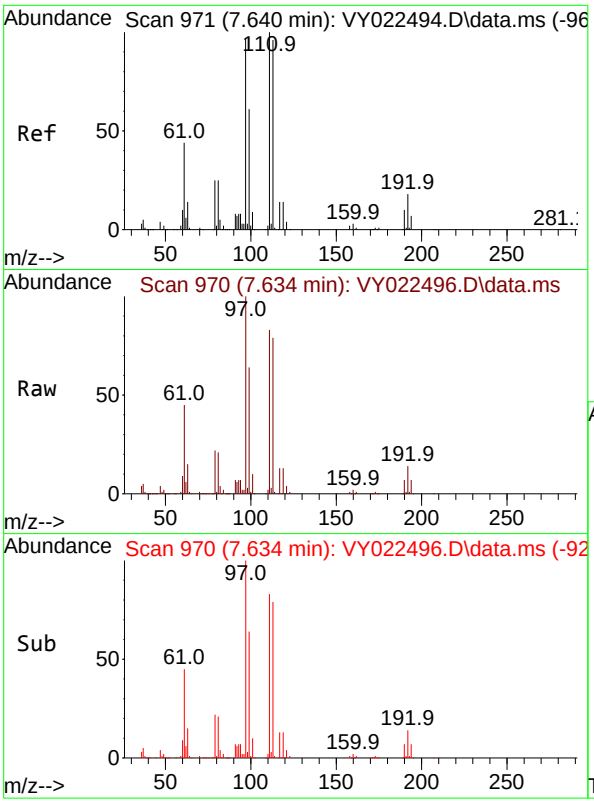


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:114 Resp: 367991

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.8
88	14.8	0.0	27.8

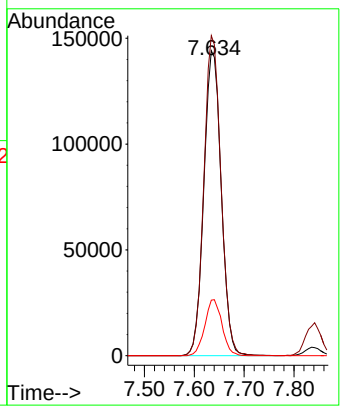




#35
Dibromofluoromethane
Concen: 160.661 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:113 Resp: 34803

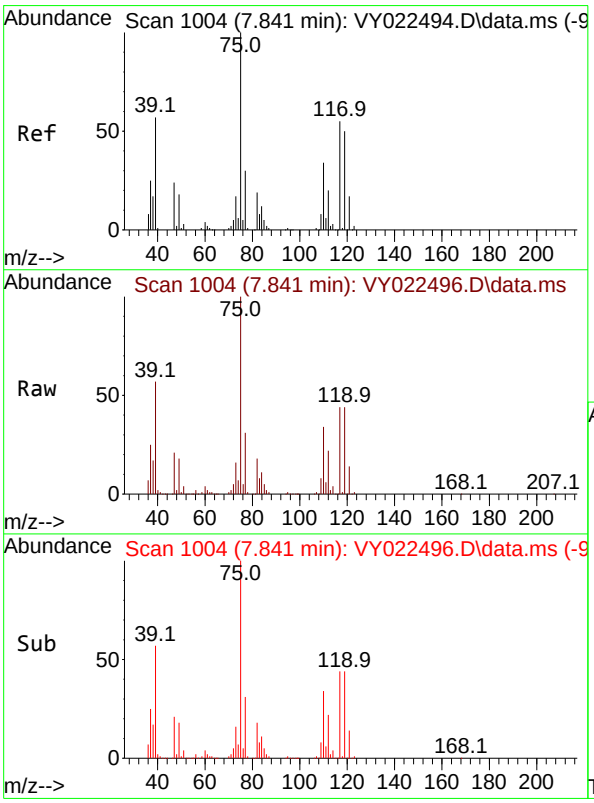
Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.1	121.7
192	18.2	14.2	21.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

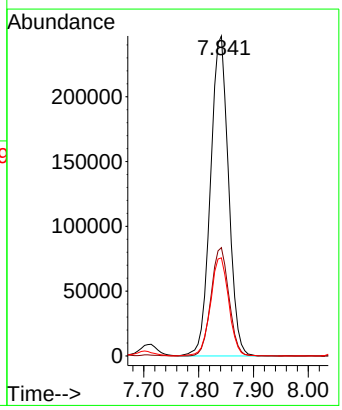
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

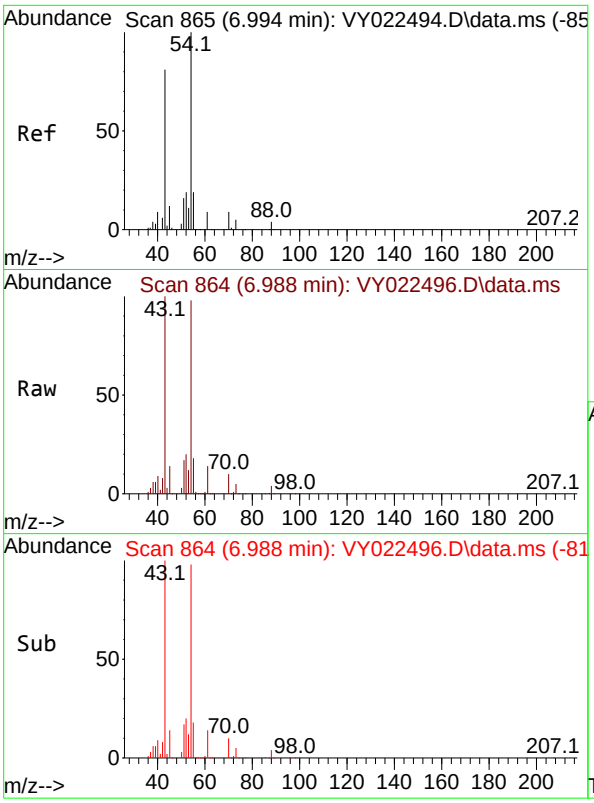


#36
1,1-Dichloropropene
Concen: 160.756 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 75 Resp: 562935

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.9	50.7
77	31.1	24.8	37.2

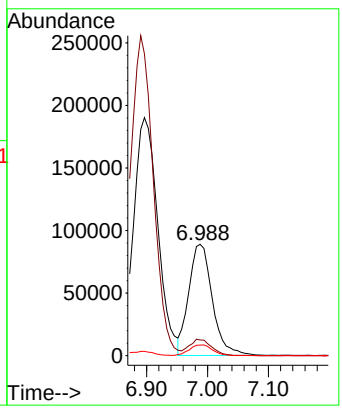




#37
Ethyl Acetate
Concen: 155.059 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 23896

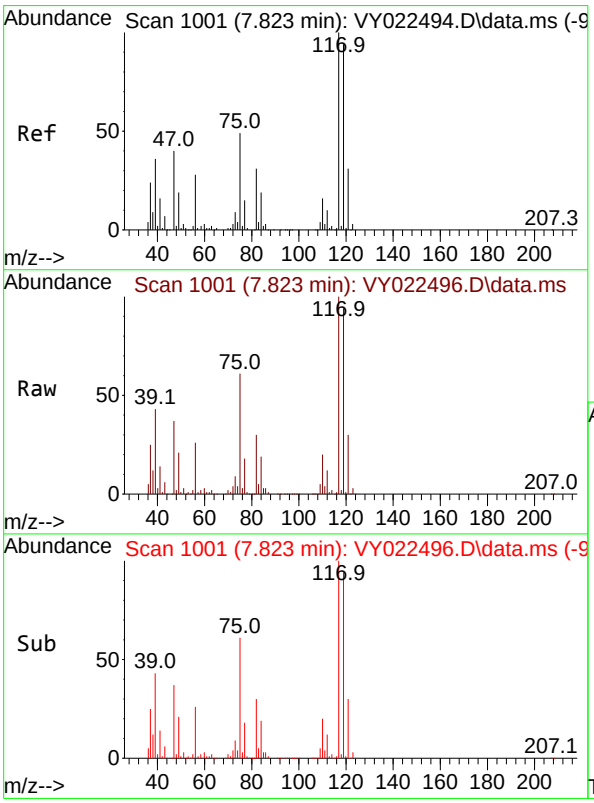
Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.5	17.3
70	9.4	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

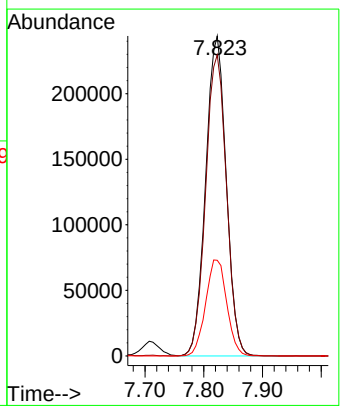
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

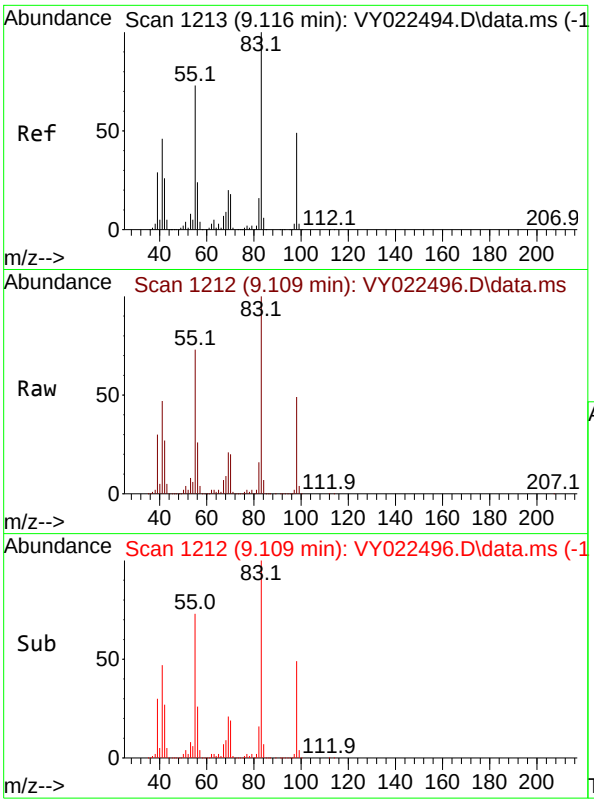


#38
Carbon Tetrachloride
Concen: 164.311 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:117 Resp: 593167

Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.0	112.6
121	29.9	25.0	37.4





#39
Methylcyclohexane
Concen: 162.851 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

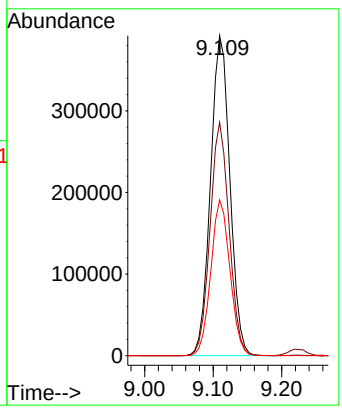
Tgt Ion: 83 Resp: 77038

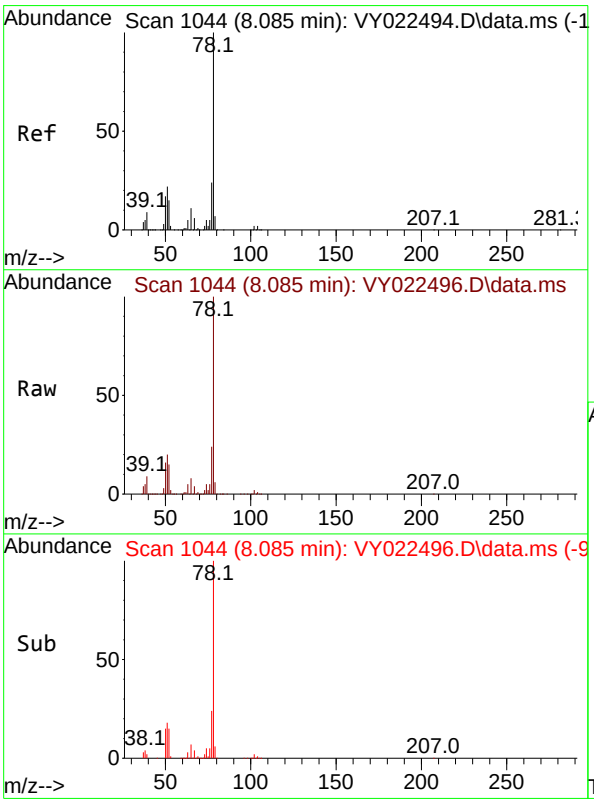
Ion	Ratio	Lower	Upper
83	100		
55	72.9	58.1	87.1
98	48.7	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

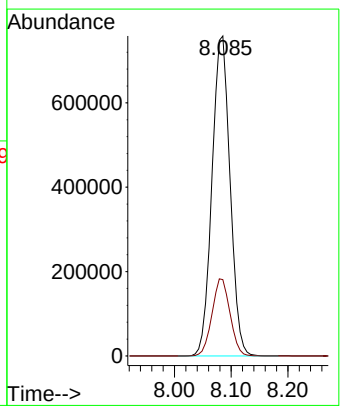


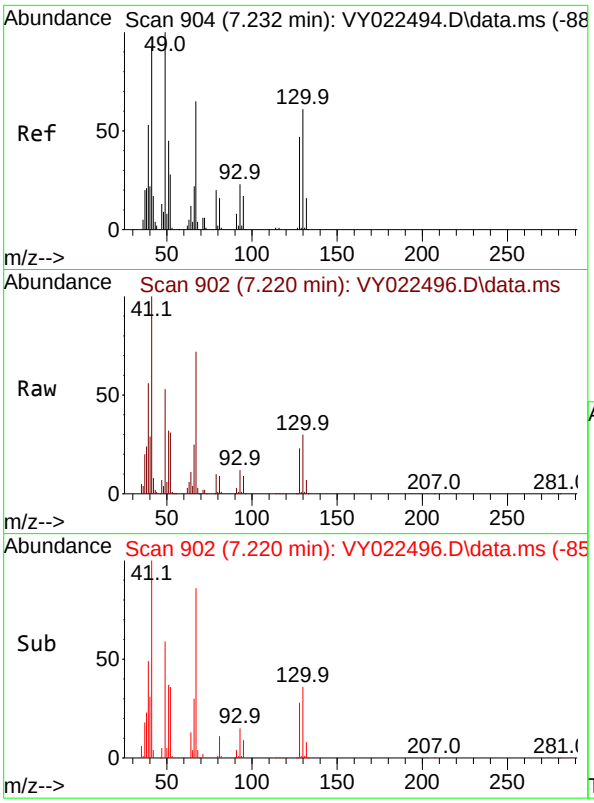


#40
Benzene
Concen: 162.332 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 78 Resp: 1675603

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.3	28.9

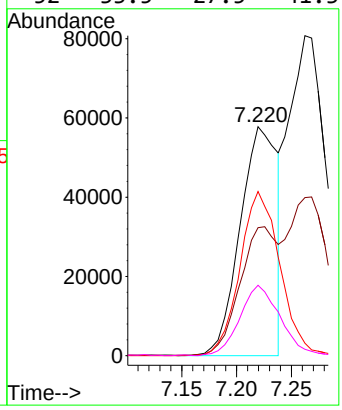




#41
Methacrylonitrile
Concen: 137.523 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 41 Resp: 13649

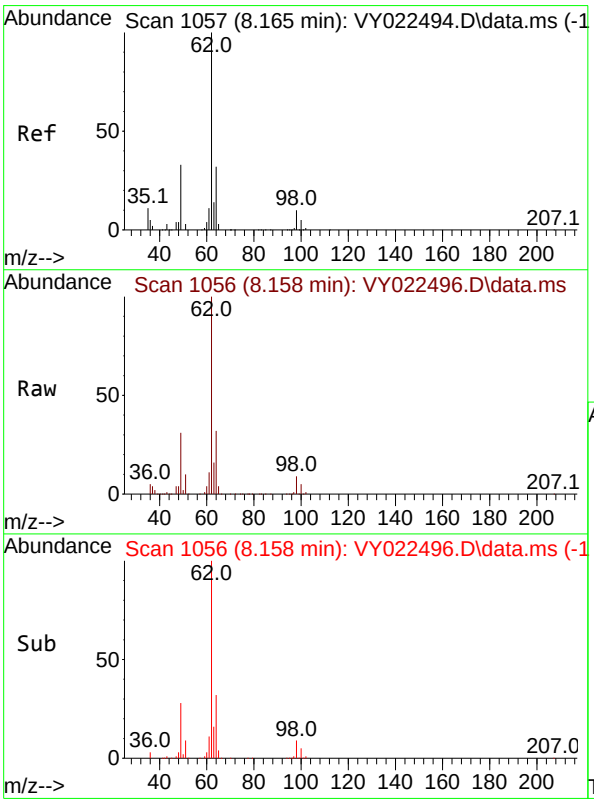
Ion	Ratio	Lower	Upper
41	100		
39	56.5	46.6	69.8
67	77.5	63.3	94.9
52	33.5	27.5	41.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

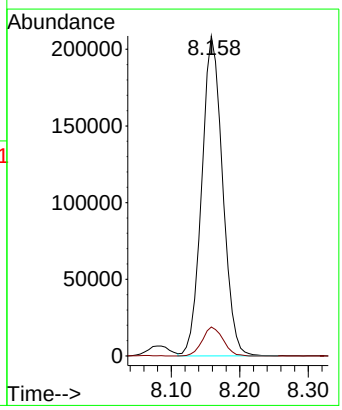
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

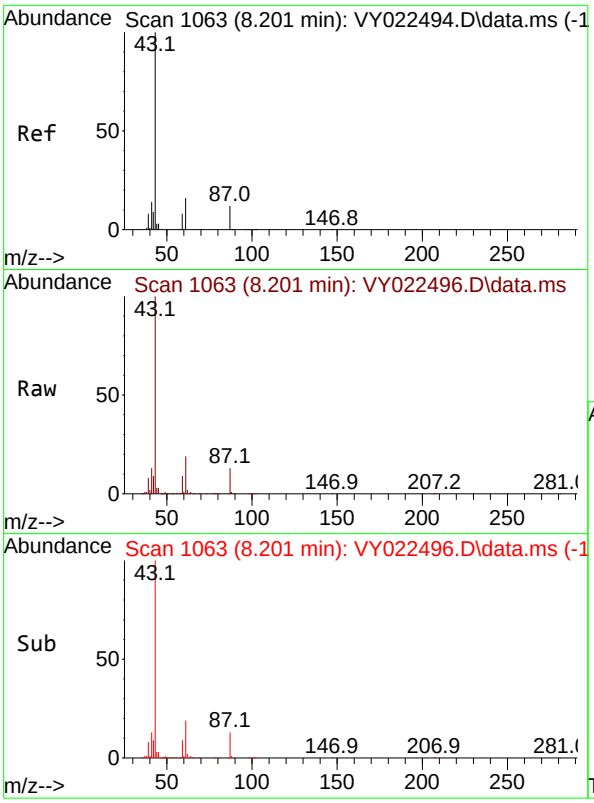


#42
1,2-Dichloroethane
Concen: 157.491 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 62 Resp: 442216

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	19.2

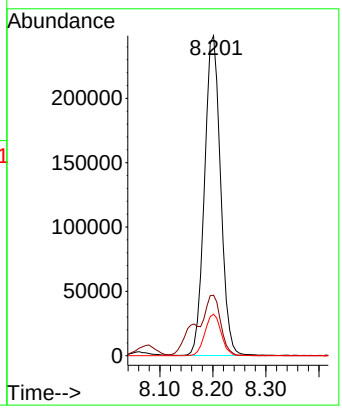




#43
Isopropyl Acetate
Concen: 155.250 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 52284

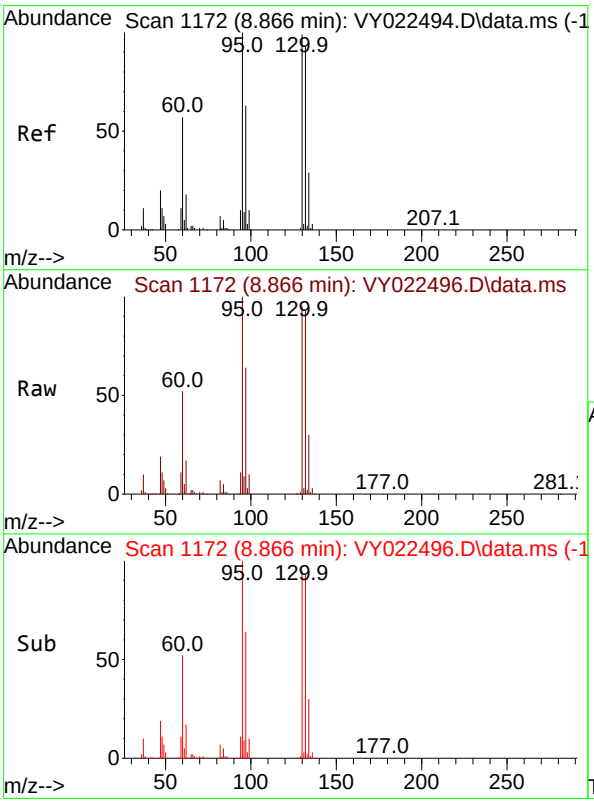
Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.6	23.4
87	13.1	10.2	15.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

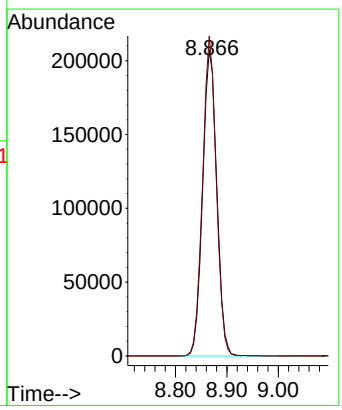
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

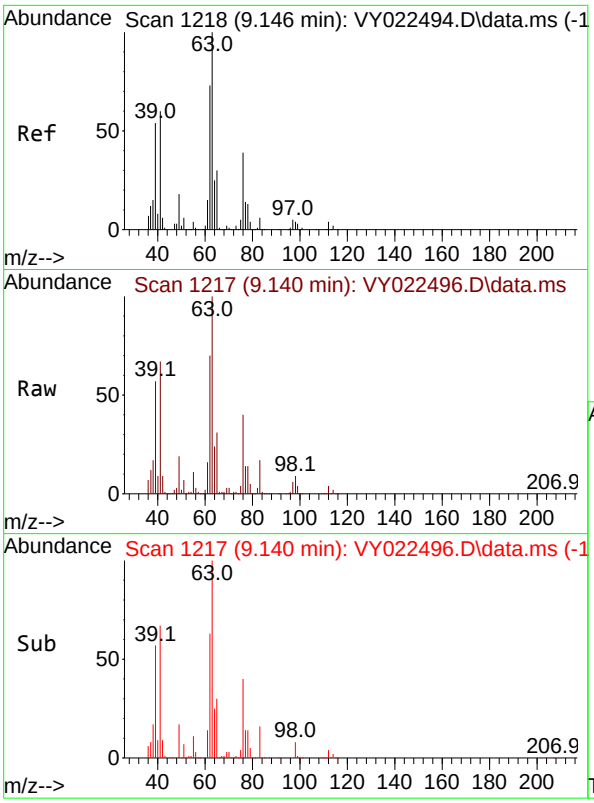


#44
Trichloroethene
Concen: 156.583 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:130 Resp: 394832

Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	203.0

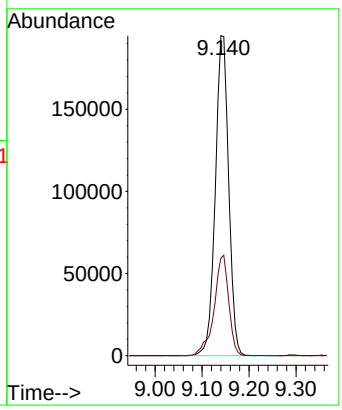




#45
1,2-Dichloropropane
Concen: 156.539 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 63 Resp: 38520

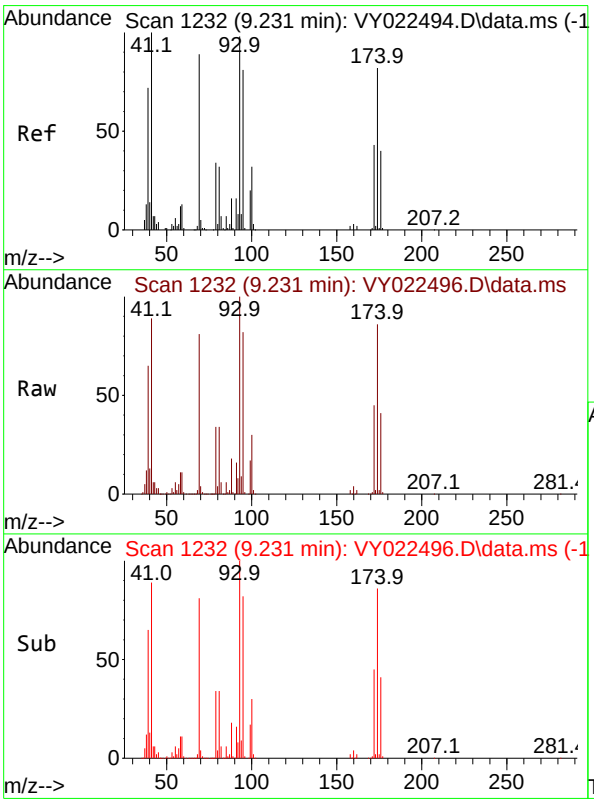
Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.0	36.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

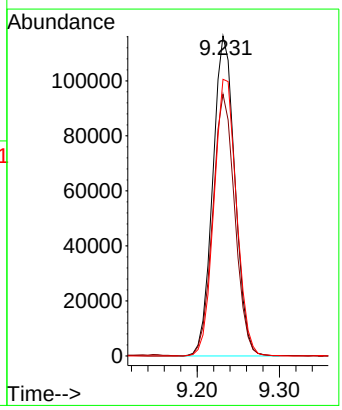
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

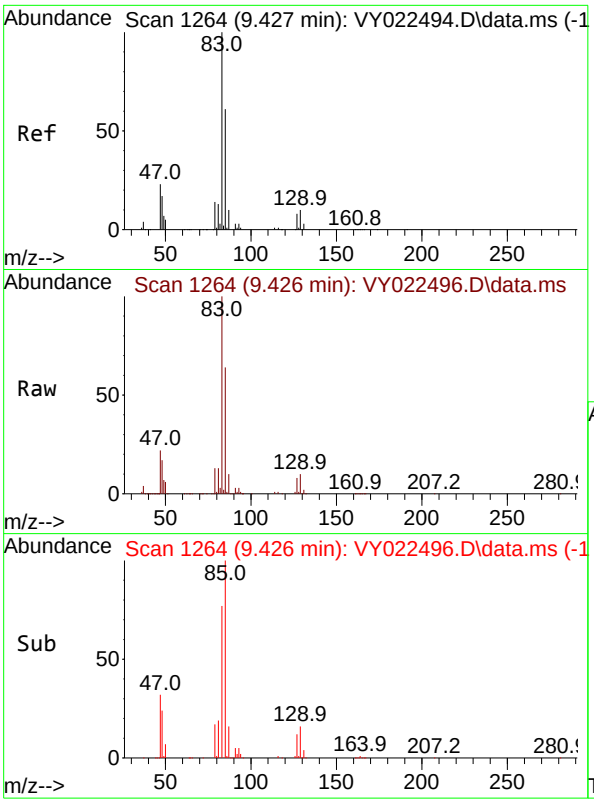


#46
Dibromomethane
Concen: 158.140 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 93 Resp: 218014

Ion	Ratio	Lower	Upper
93	100		
95	81.6	65.6	98.4
174	87.8	70.4	105.6

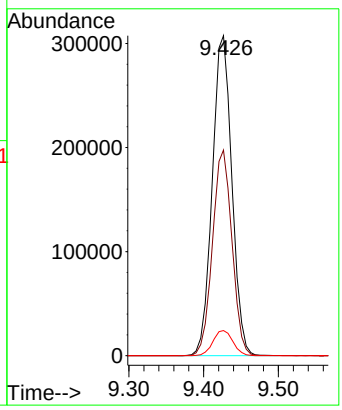




#47
Bromodichloromethane
Concen: 160.221 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 83 Resp: 56042

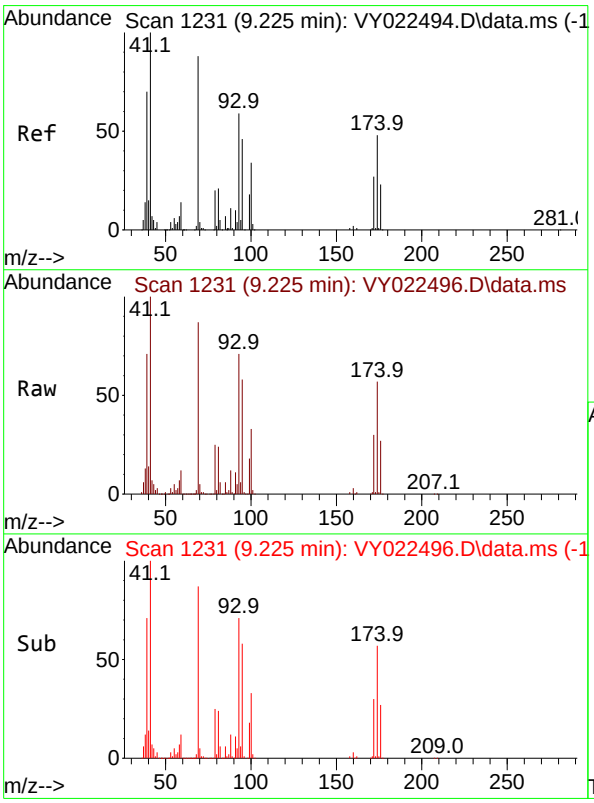
Ion	Ratio	Lower	Upper
83	100		
85	64.3	49.1	73.7
127	7.9	6.2	9.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

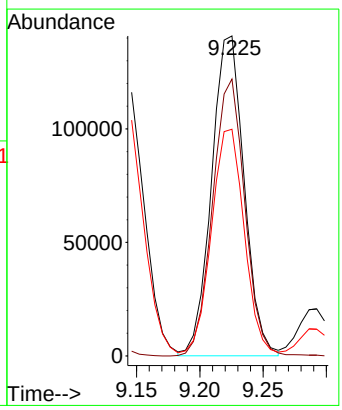
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

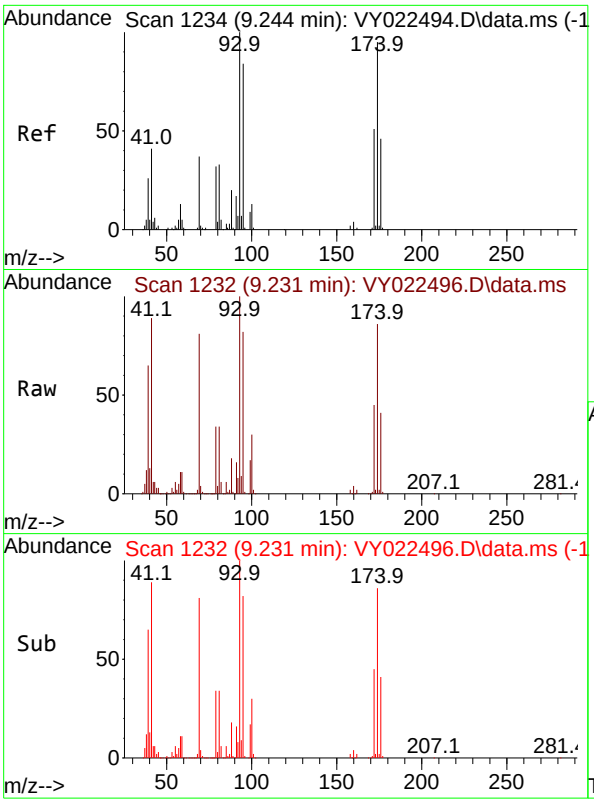


#48
Methyl methacrylate
Concen: 163.897 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 41 Resp: 252724

Ion	Ratio	Lower	Upper
41	100		
69	85.6	67.8	101.8
39	69.7	55.0	82.4

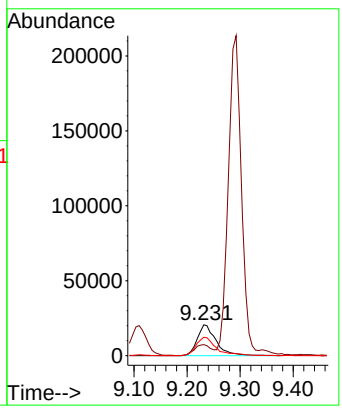




#49
1,4-Dioxane
Concen: 3093.301 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 88 Resp: 5087

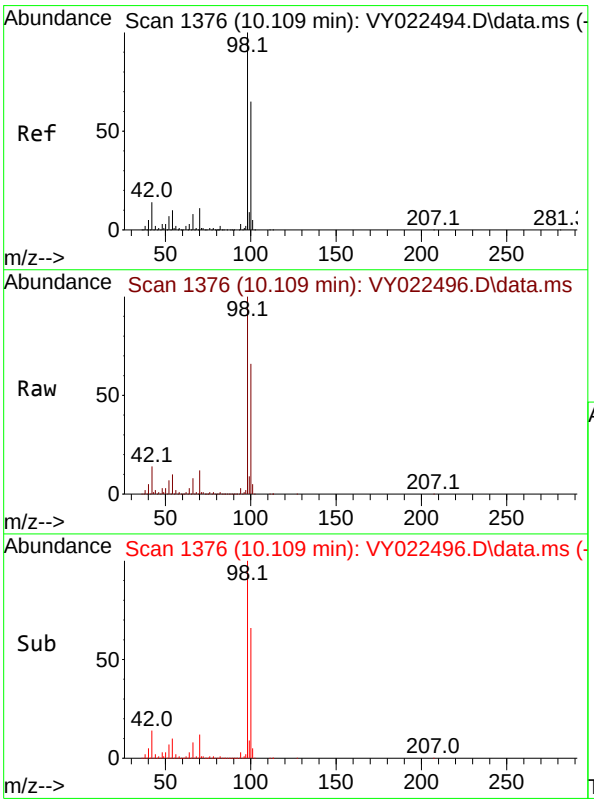
Ion	Ratio	Lower	Upper
88	100		
43	33.3	25.4	38.2
58	64.1	54.9	82.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

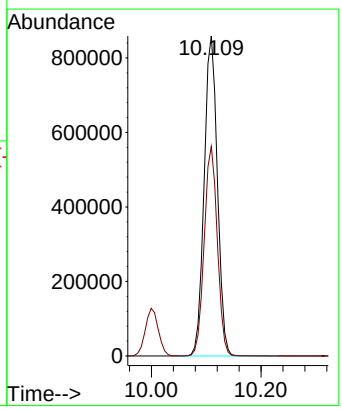
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

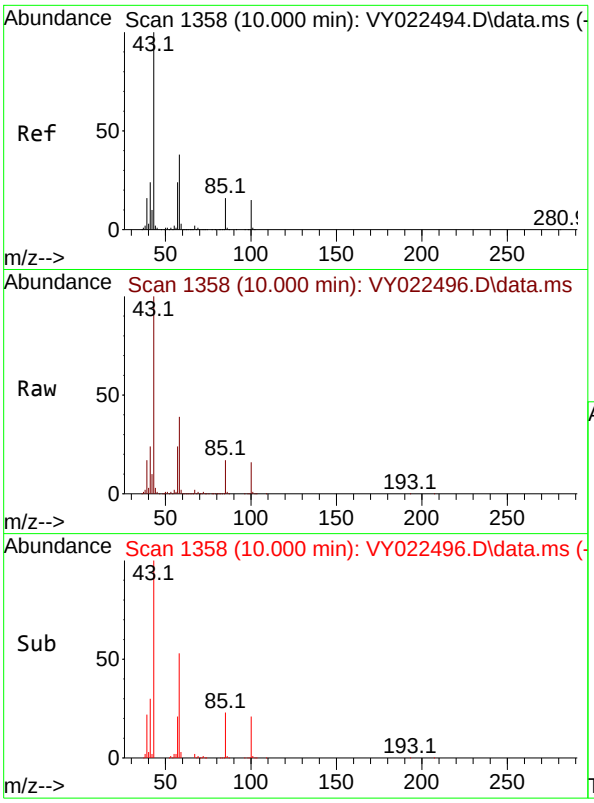


#50
Toluene-d8
Concen: 163.617 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 98 Resp: 1432587

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.4	77.0





#51
4-Methyl-2-Pentanone
Concen: 812.744 ug/l
RT: 10.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

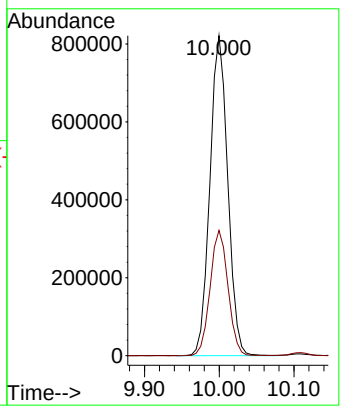
Tgt Ion: 43 Resp: 135851

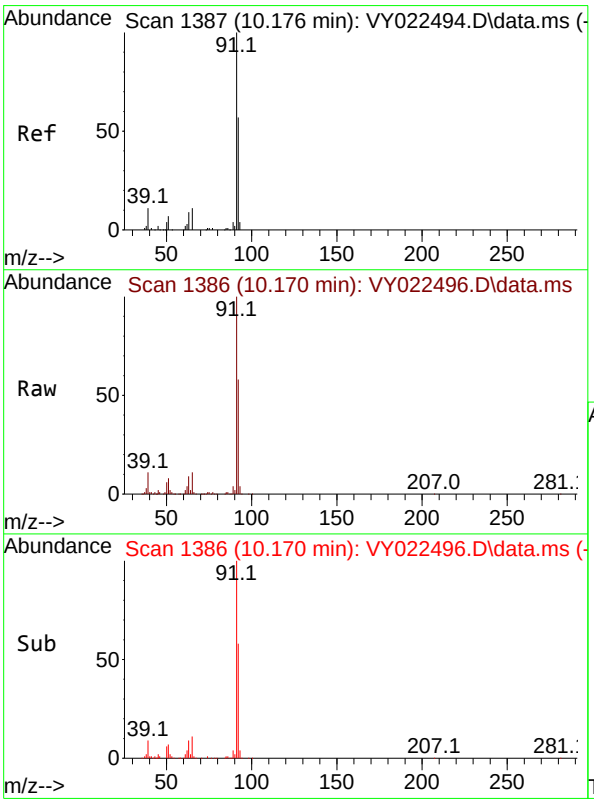
Ion	Ratio	Lower	Upper
43	100		
58	39.3	30.4	45.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

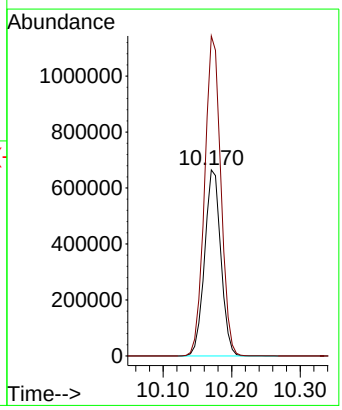


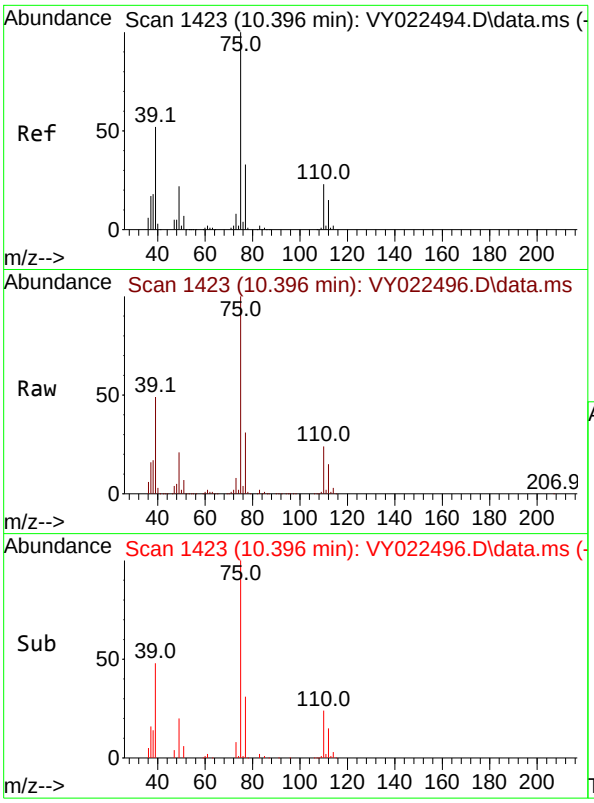


#52
Toluene
Concen: 168.447 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 92 Resp: 1093200

Ion	Ratio	Lower	Upper
92	100		
91	172.1	139.0	208.4

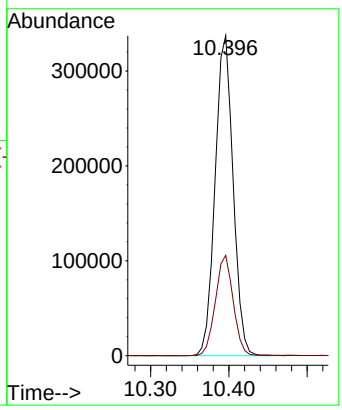




#53
t-1,3-Dichloropropene
Concen: 166.237 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 75 Resp: 53792

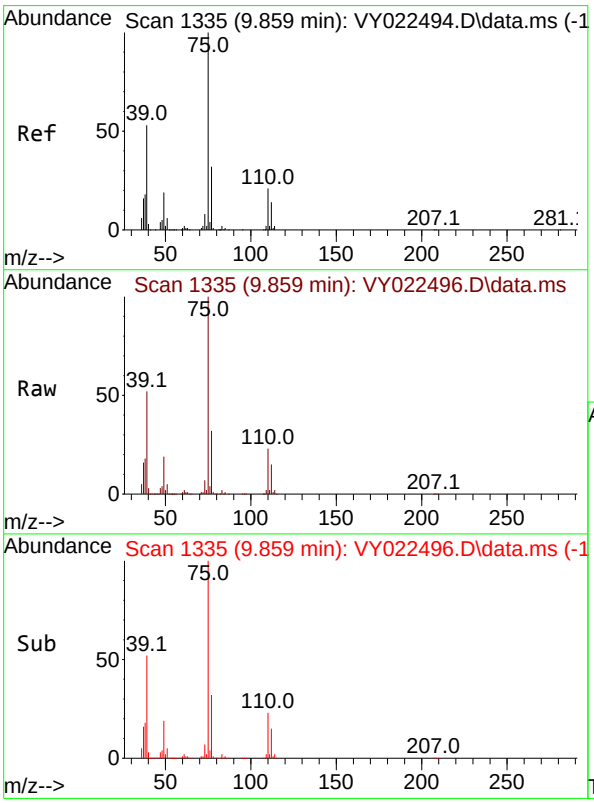
Ion	Ratio	Lower	Upper
75	100		
77	31.3	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

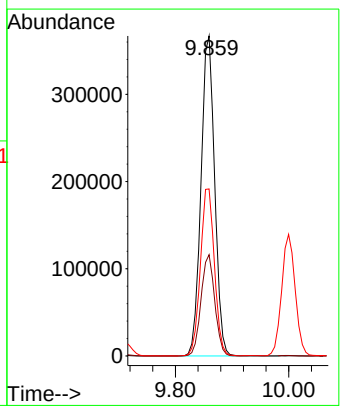
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

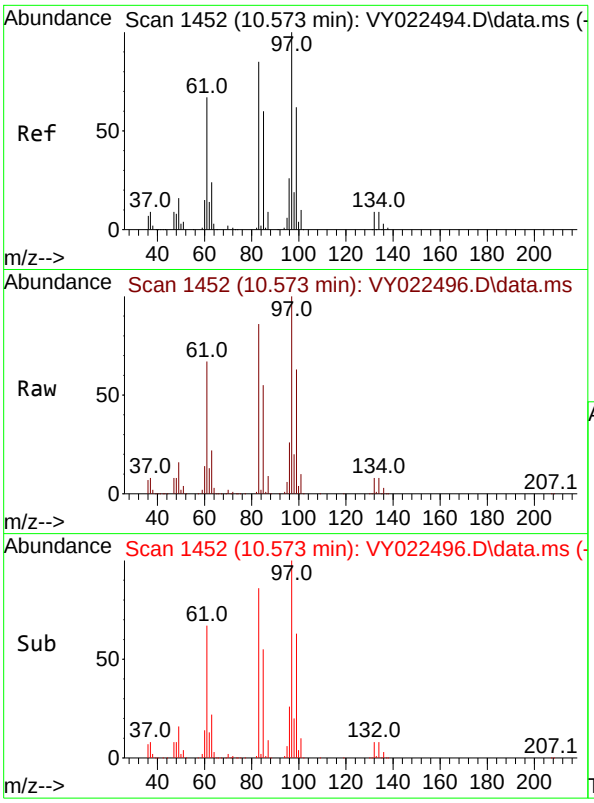


#54
cis-1,3-Dichloropropene
Concen: 162.259 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 75 Resp: 615667

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	52.2	42.7	64.1

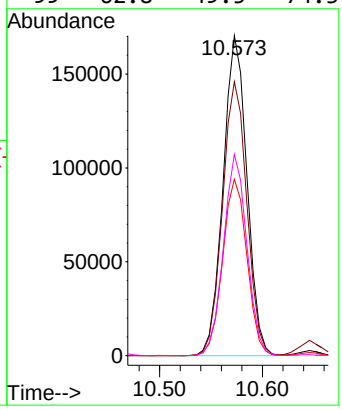




#55
1,1,2-Trichloroethane
Concen: 158.086 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 97 Resp: 27446

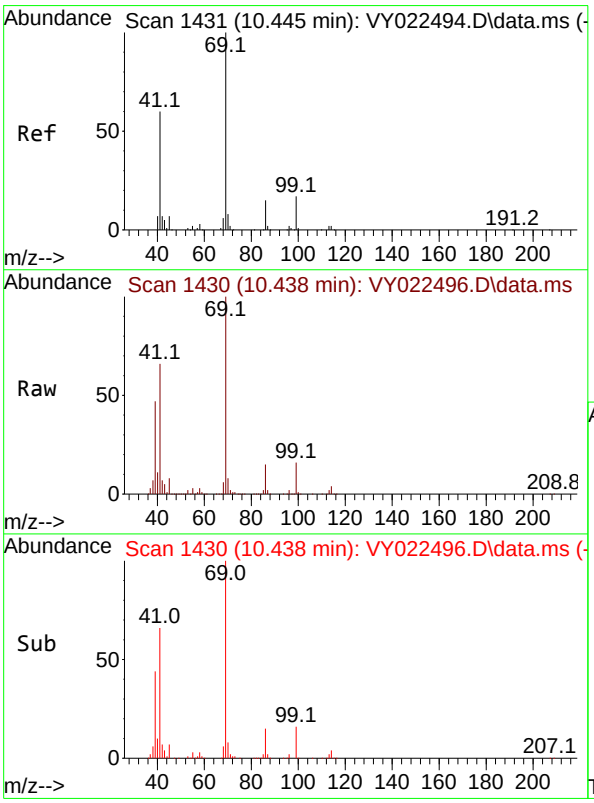
Ion	Ratio	Lower	Upper
97	100		
83	85.6	68.1	102.1
85	55.1	48.2	72.2
99	62.8	49.5	74.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

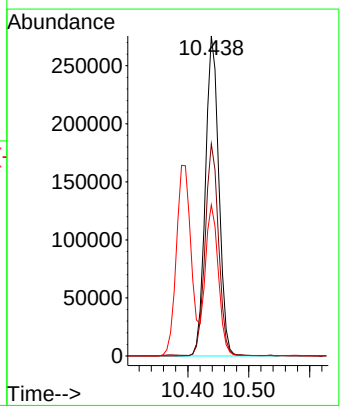
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

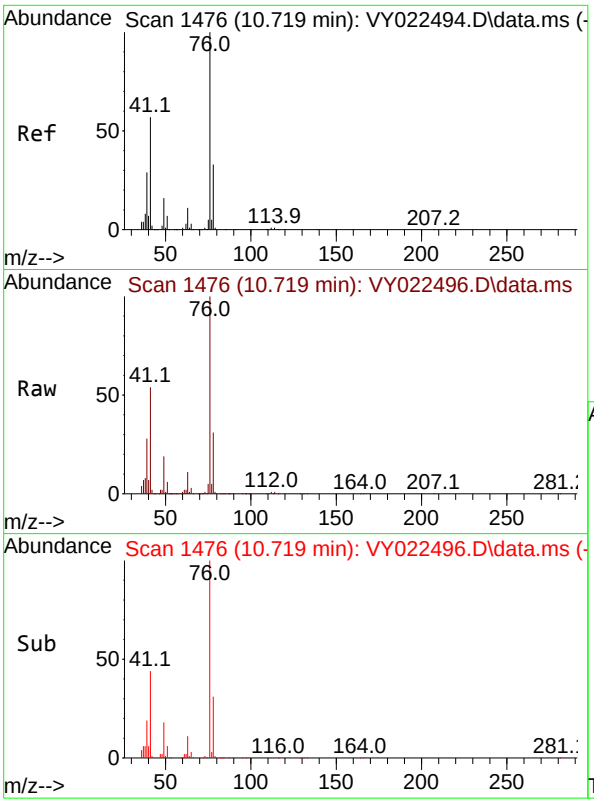


#56
Ethyl methacrylate
Concen: 167.865 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 69 Resp: 423233

Ion	Ratio	Lower	Upper
69	100		
41	66.0	52.2	78.2
39	44.7	36.7	55.1





#57
1,3-Dichloropropane
Concen: 158.010 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

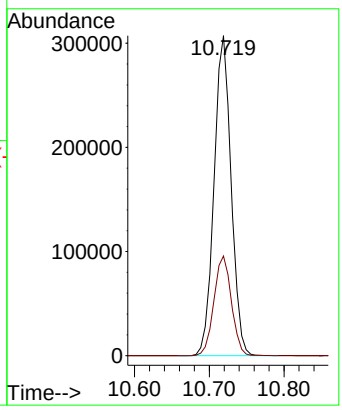
Tgt Ion: 76 Resp: 48857

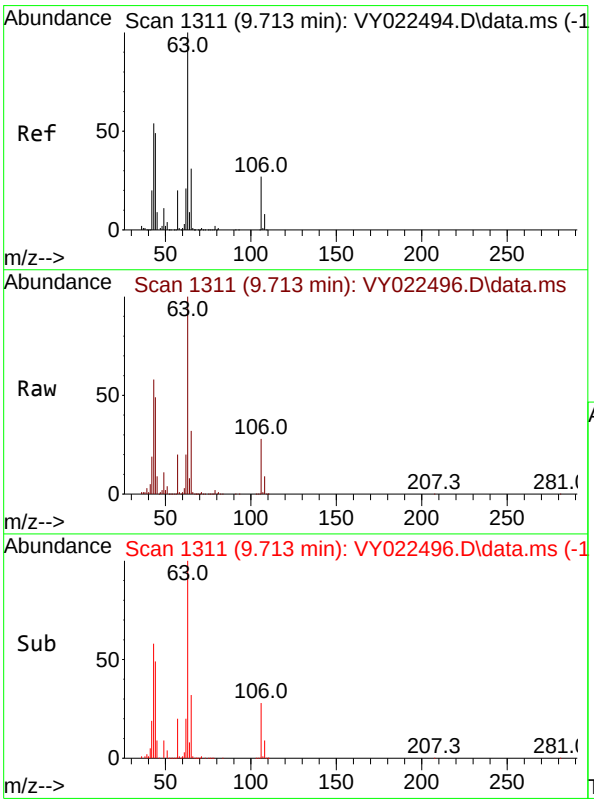
Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

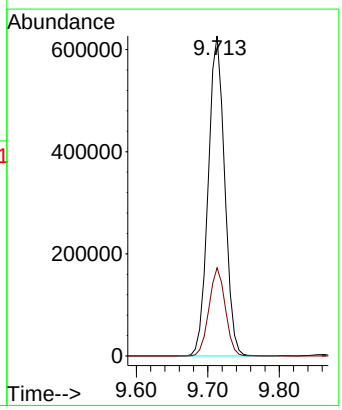


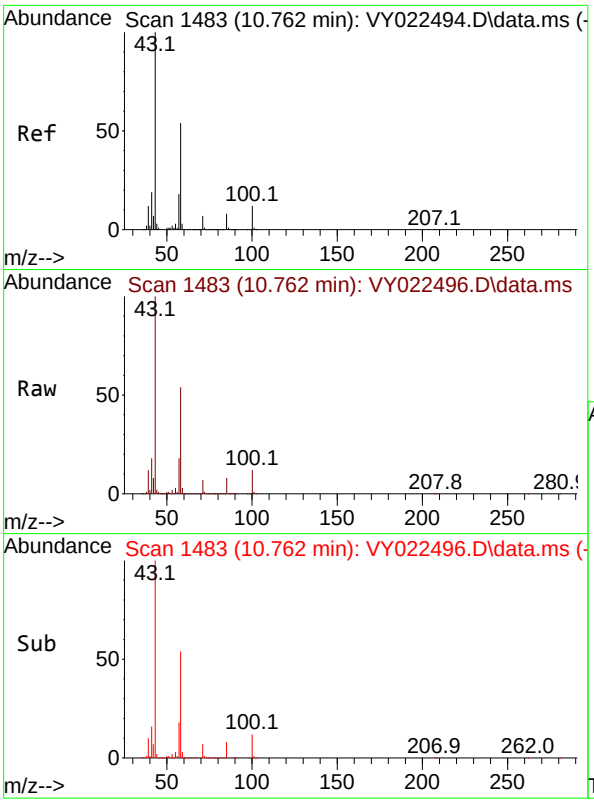


#58
2-Chloroethyl Vinyl ether
Concen: 890.345 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 63 Resp: 1000760

Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.6	32.4





#59
2-Hexanone
Concen: 804.699 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

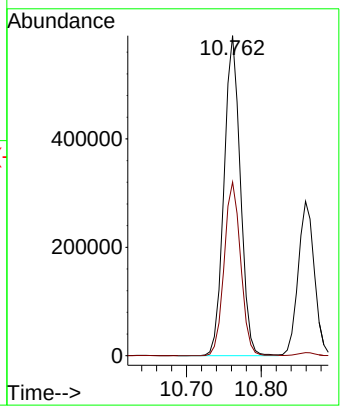
Tgt Ion: 43 Resp: 89662

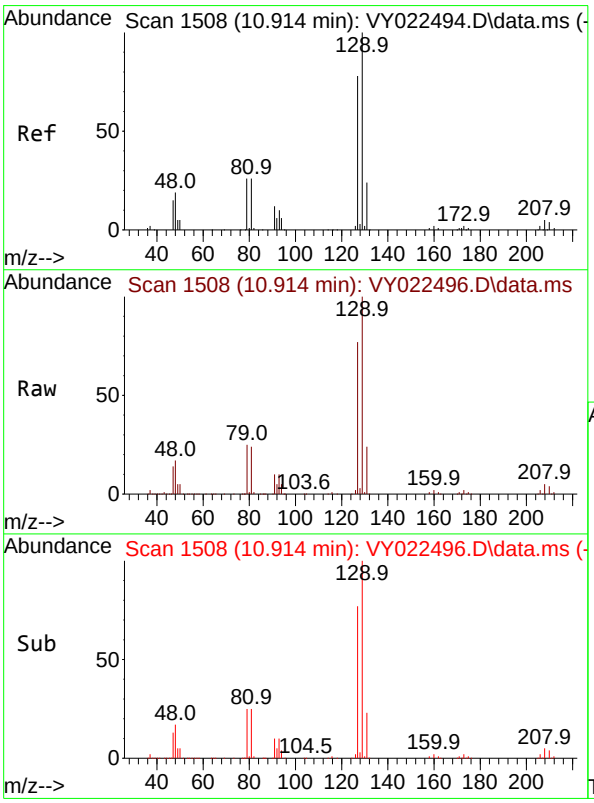
Ion	Ratio	Lower	Upper
43	100		
58	54.6	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

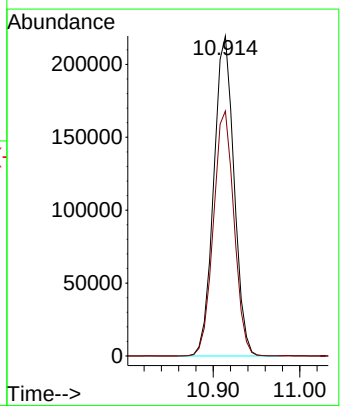


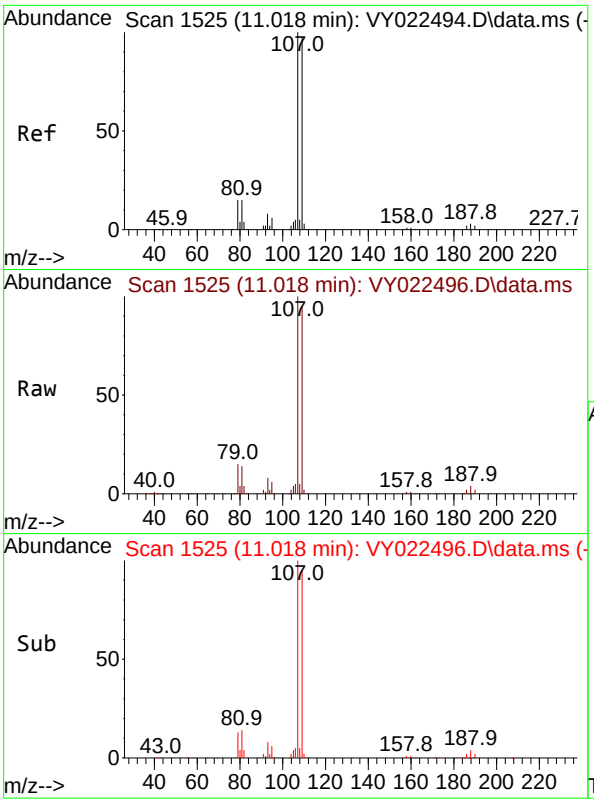


#60
Dibromochloromethane
Concen: 162.227 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:129 Resp: 356873

Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.1	117.2





#61
1,2-Dibromoethane
Concen: 158.625 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

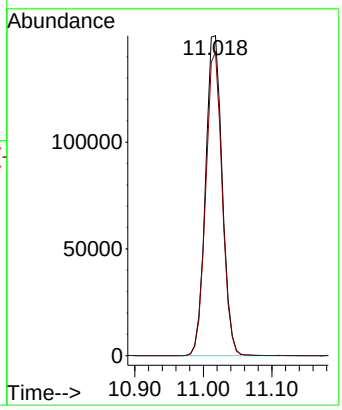
Tgt Ion:107 Resp: 25412

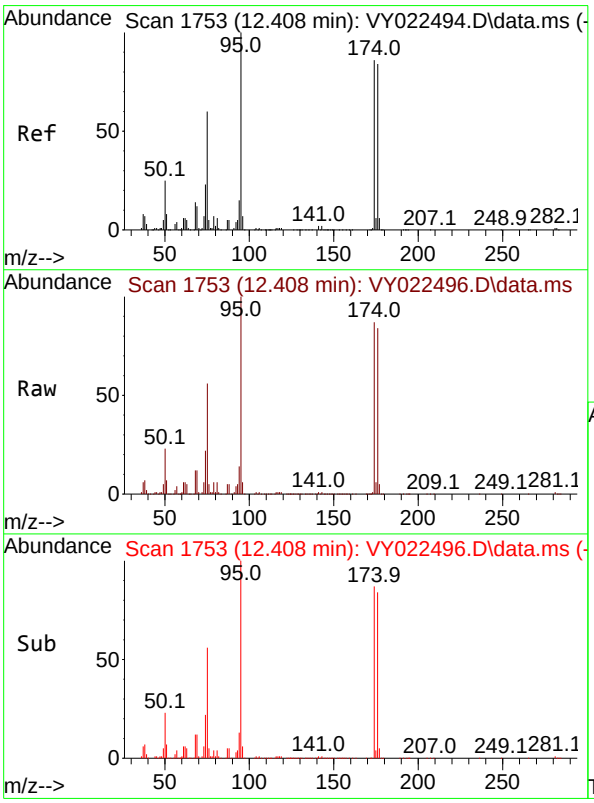
Ion	Ratio	Lower	Upper
107	100		
109	93.4	77.7	116.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

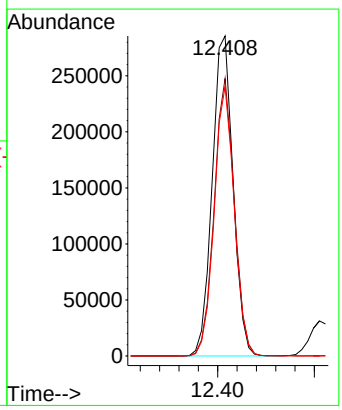


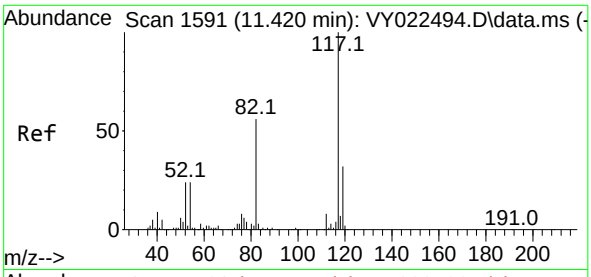


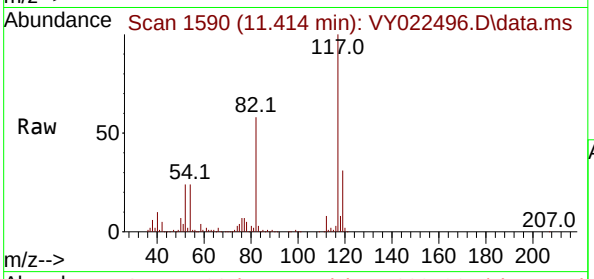
#62
4-Bromofluorobenzene
Concen: 160.684 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

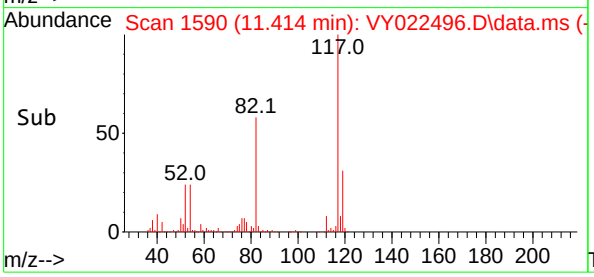
Tgt Ion: 95 Resp: 426573

Ion	Ratio	Lower	Upper
95	100		
174	83.8	0.0	170.0
176	81.1	0.0	166.2





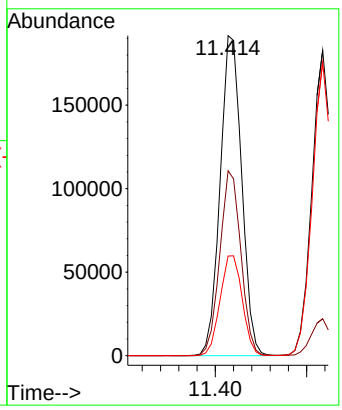




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:117 Resp: 31395

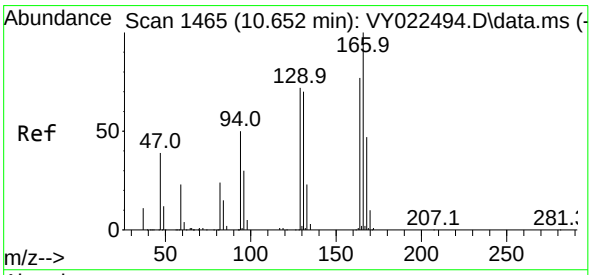
Ion	Ratio	Lower	Upper
117	100		
82	57.8	44.6	66.8
119	31.2	25.4	38.0

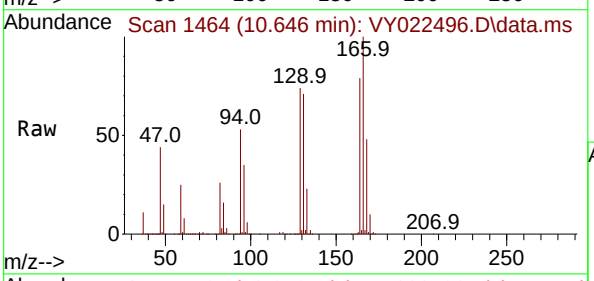


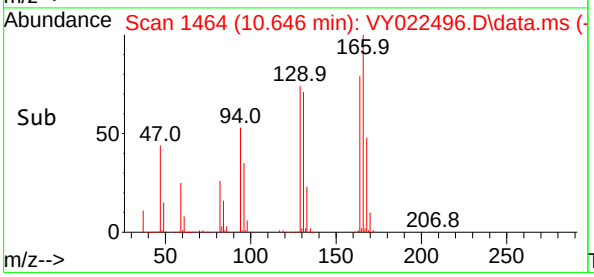
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



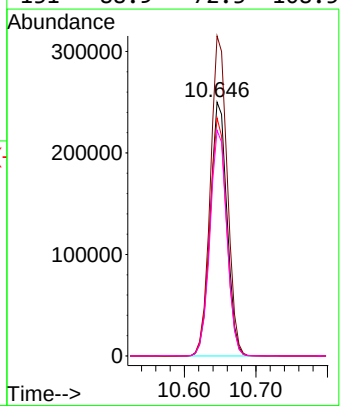


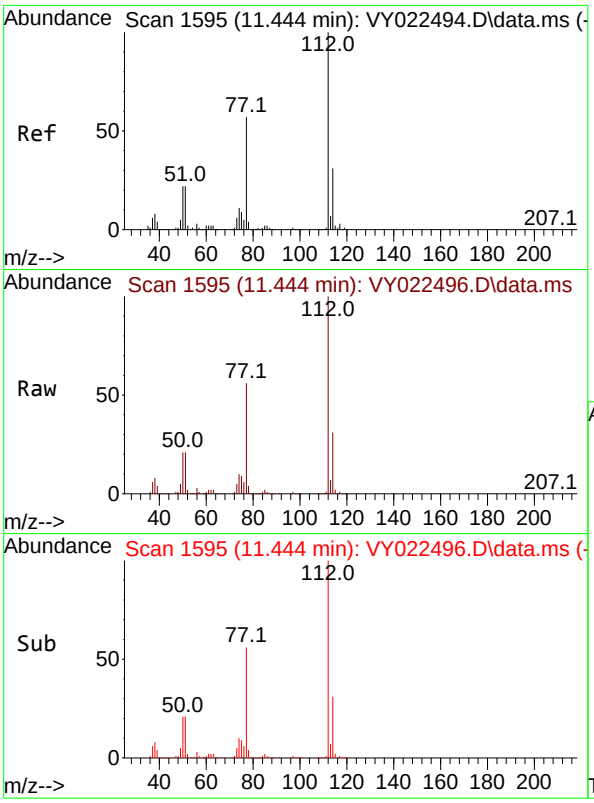


#64
Tetrachloroethene
Concen: 152.453 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:164 Resp: 406758

Ion	Ratio	Lower	Upper
164	100		
166	126.1	104.0	156.0
129	93.8	74.5	111.7
131	88.9	72.3	108.5

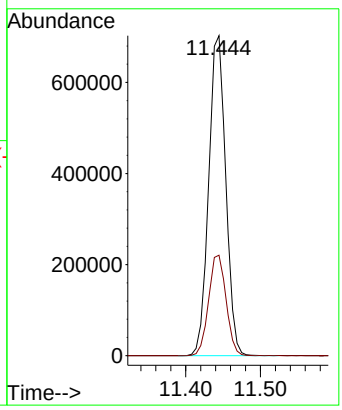




#65
Chlorobenzene
Concen: 163.544 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:112 Resp: 111334

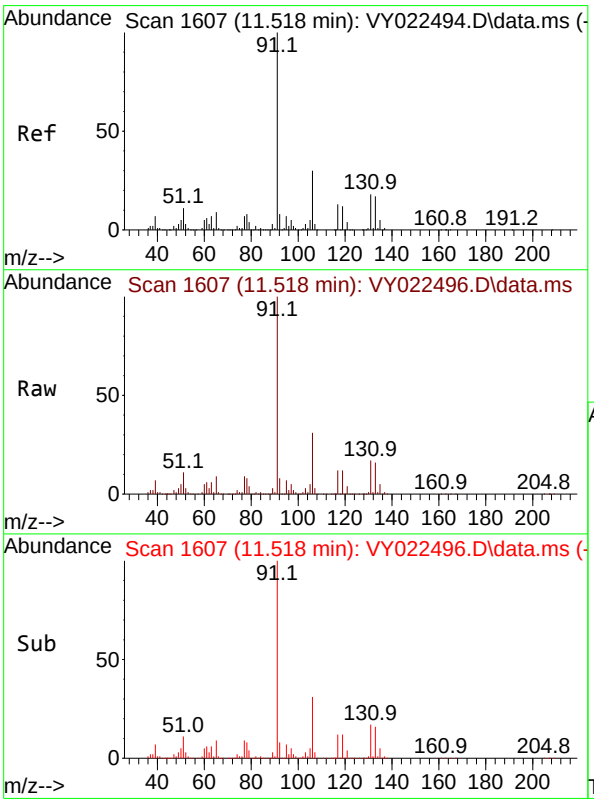
Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

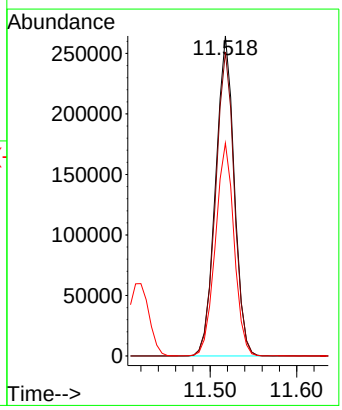
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

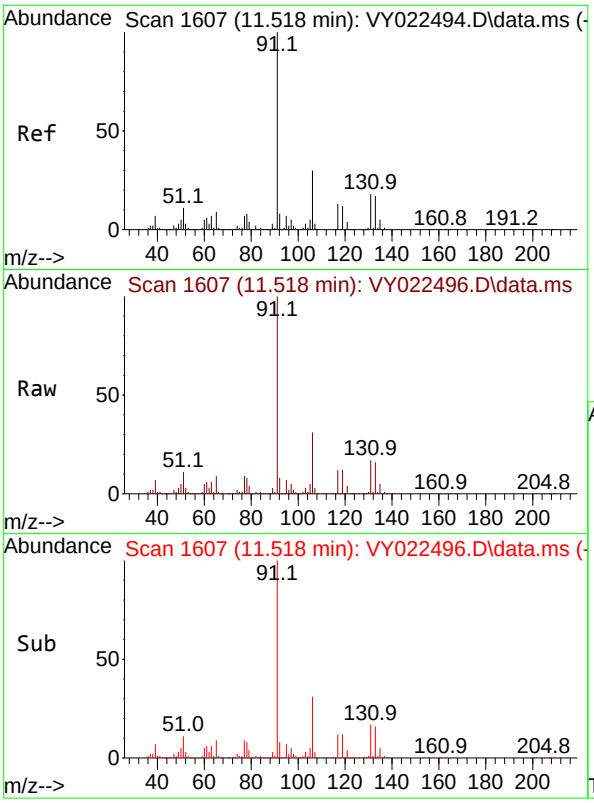


#66
1,1,1,2-Tetrachloroethane
Concen: 171.190 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:131 Resp: 395046

Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.3	141.8
119	66.8	33.1	99.3





#67
Ethyl Benzene
Concen: 173.285 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

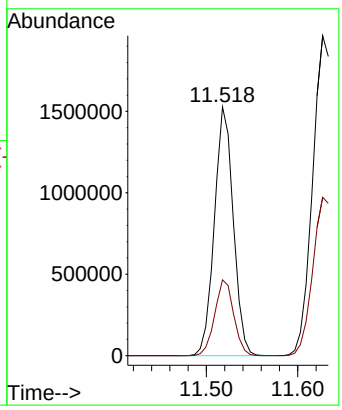
Tgt Ion: 91 Resp: 219681

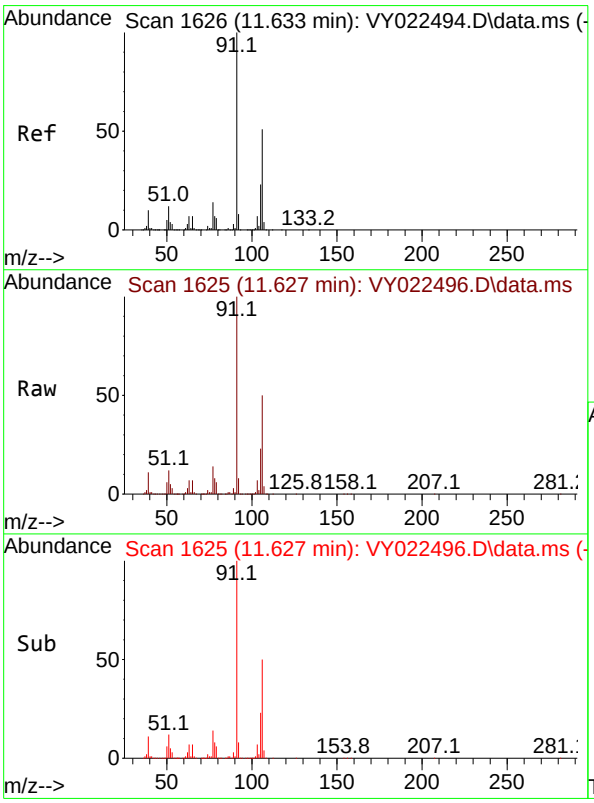
Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.2	36.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

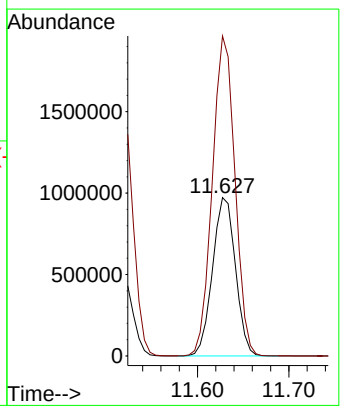


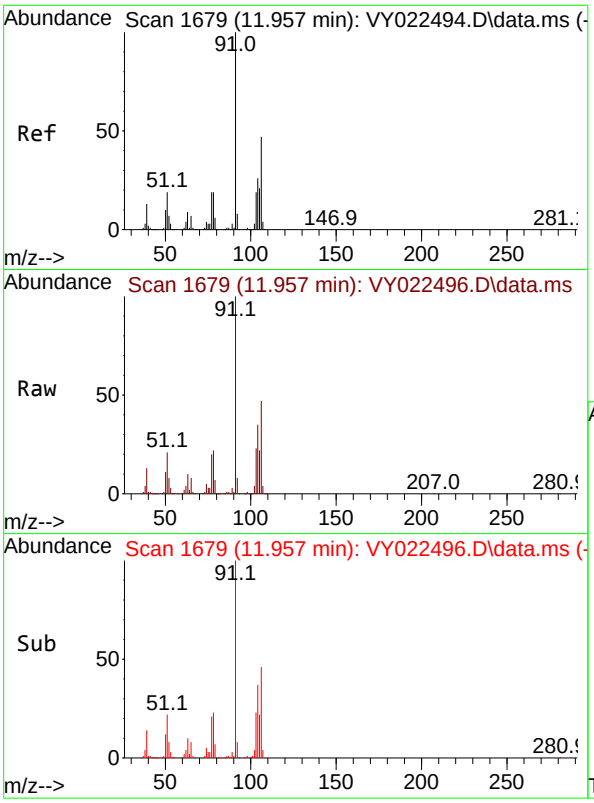


#68
m/p-Xylenes
Concen: 353.103 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:106 Resp: 1694177

Ion	Ratio	Lower	Upper
106	100		
91	199.2	159.4	239.0





#69
o-Xylene
Concen: 173.188 ug/l
RT: 11.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

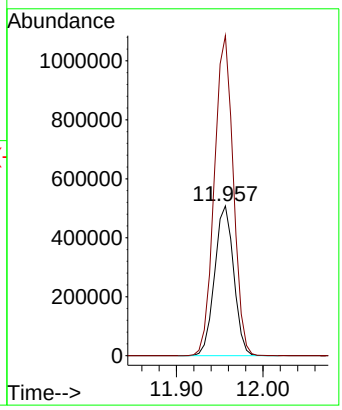
Tgt Ion:106 Resp: 77768

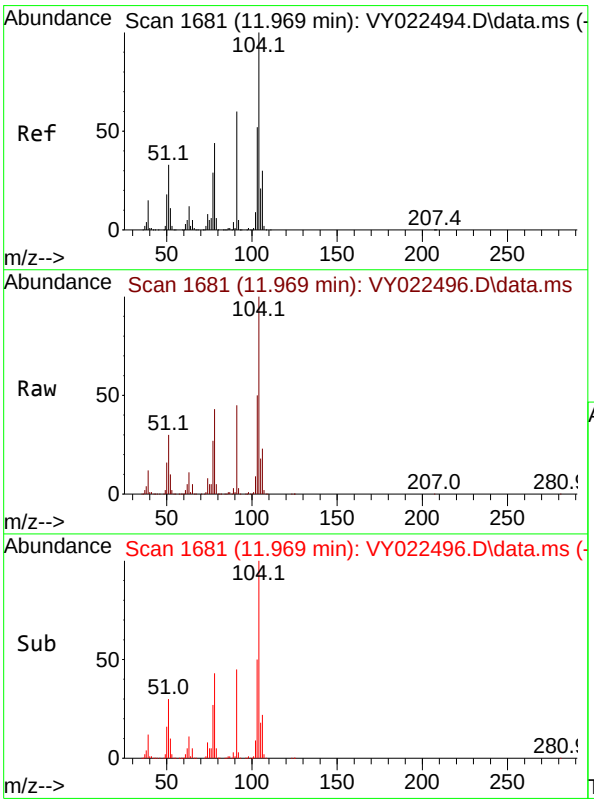
Ion	Ratio	Lower	Upper
106	100		
91	212.3	105.8	317.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

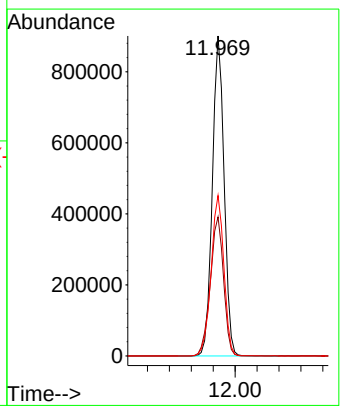


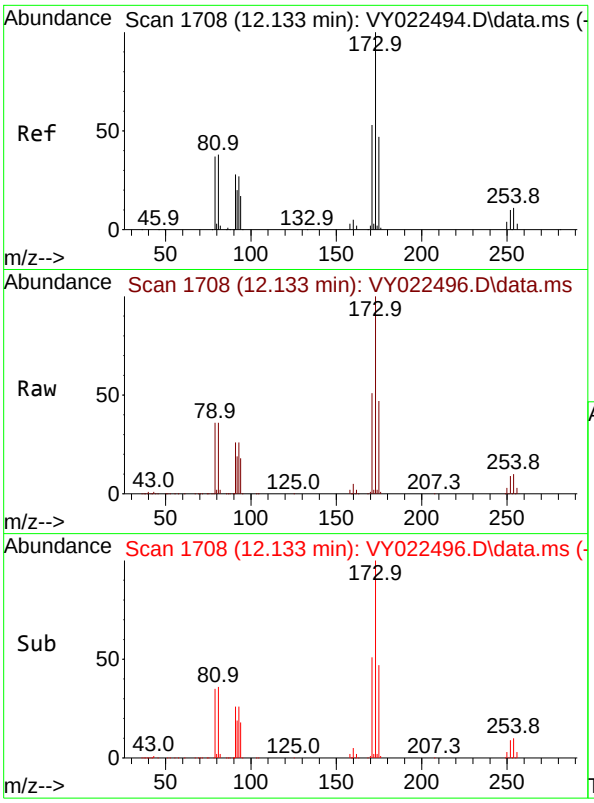


#70
Styrene
Concen: 179.564 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:104 Resp: 1334986

Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.5	59.3
103	54.6	44.1	66.1

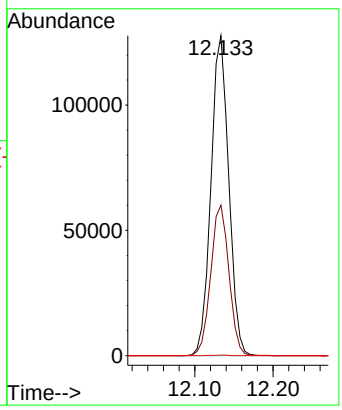




#71
Bromoform
Concen: 166.138 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:173 Resp: 20146

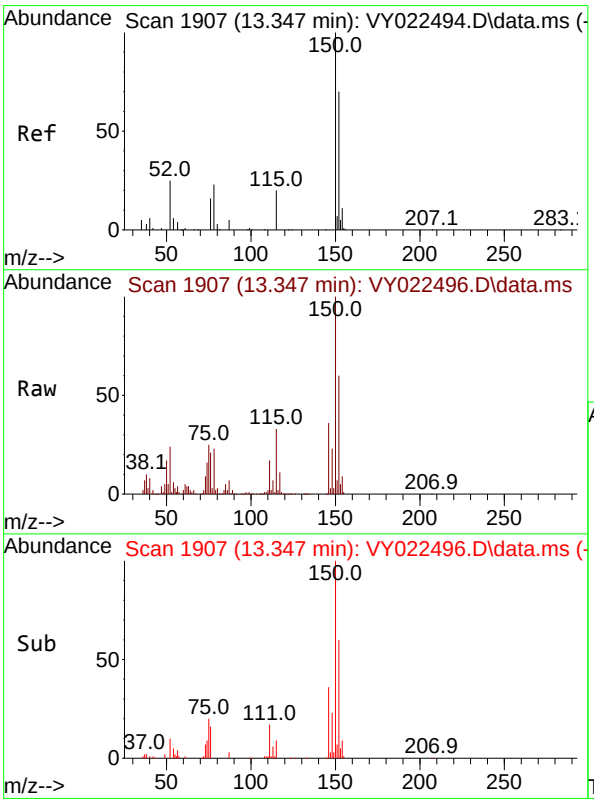
Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.8	71.5
254	0.2	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

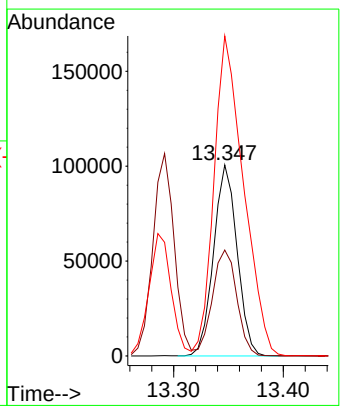
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

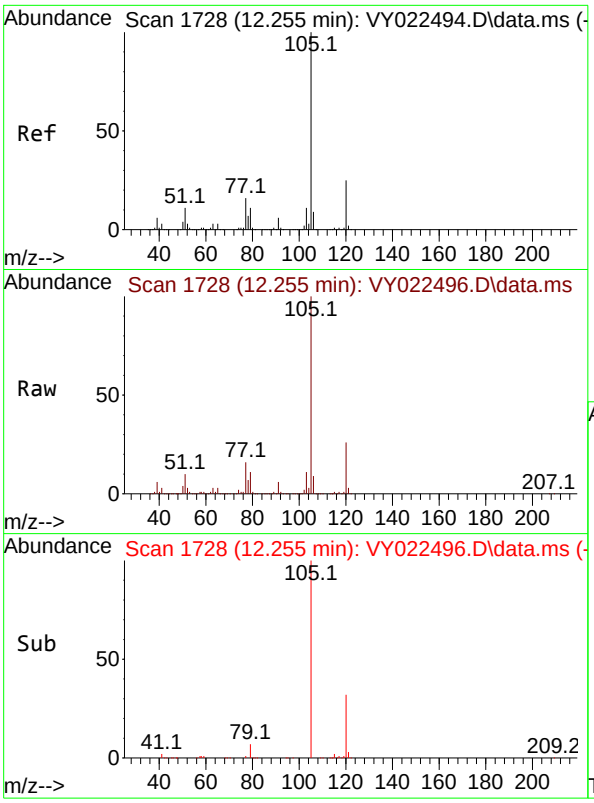


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:152 Resp: 150326

Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.9	86.7
150	210.0	0.0	349.6

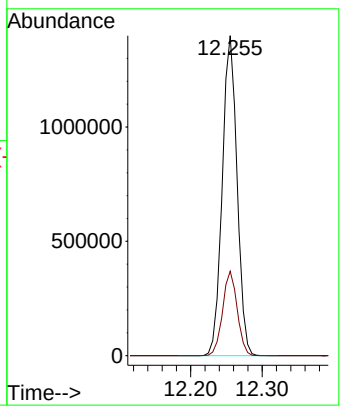




#73
Isopropylbenzene
Concen: 166.060 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:105 Resp: 201126

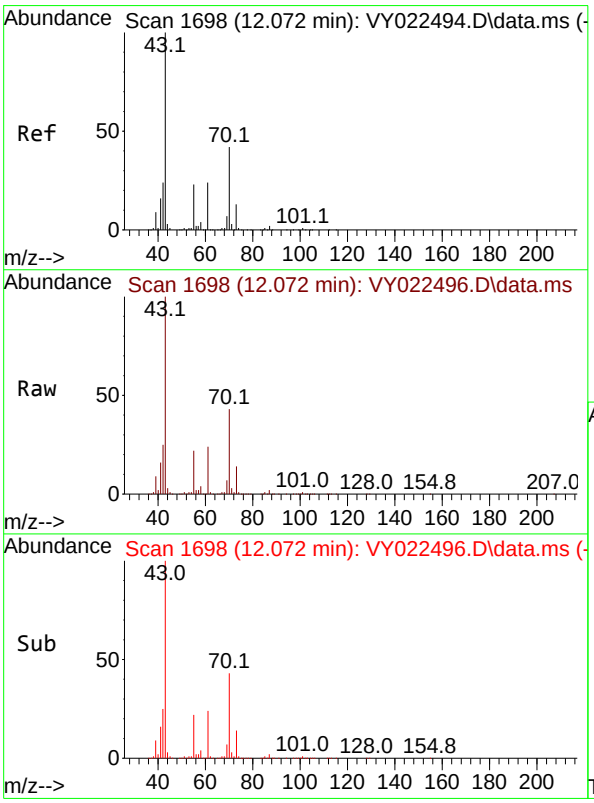
Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

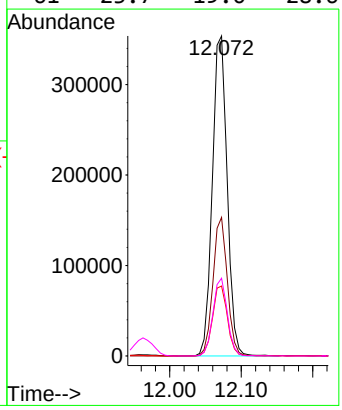
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

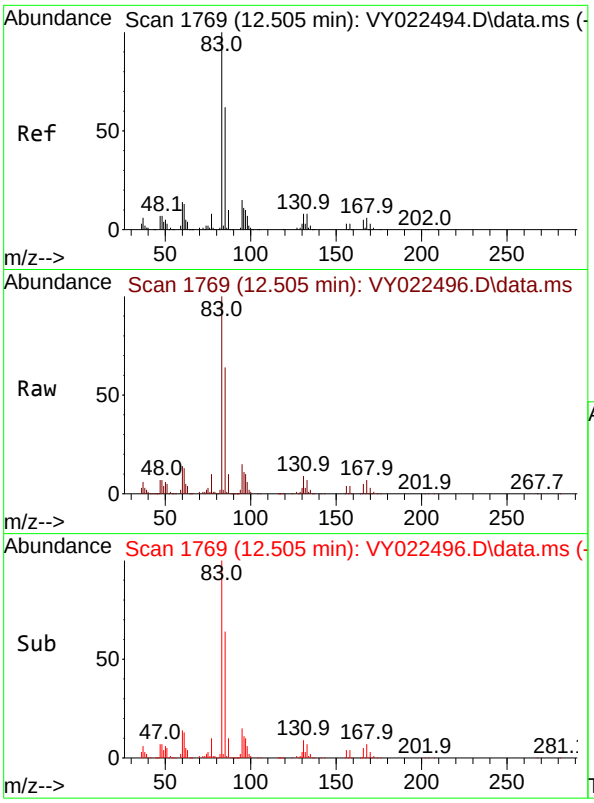


#74
N-amyl acetate
Concen: 165.957 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 508301

Ion	Ratio	Lower	Upper
43	100		
70	42.1	34.2	51.2
55	22.1	18.2	27.4
61	23.7	19.0	28.6

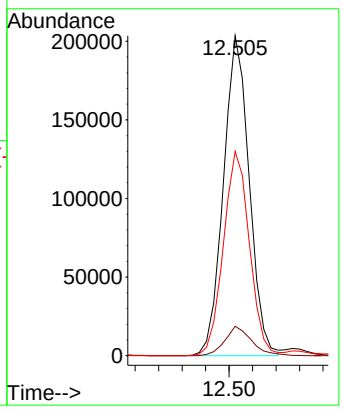




#75
1,1,2,2-Tetrachloroethane
Concen: 157.927 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 83 Resp: 31064

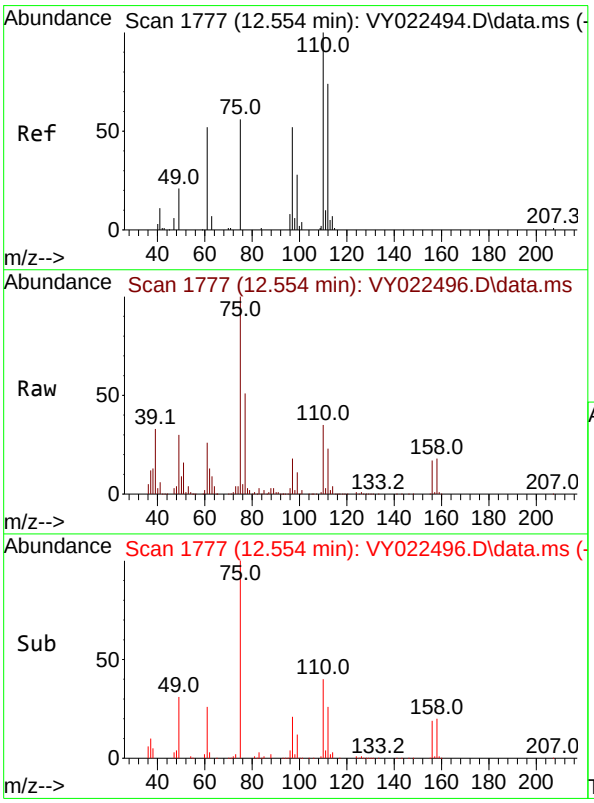
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	64.3	32.6	97.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

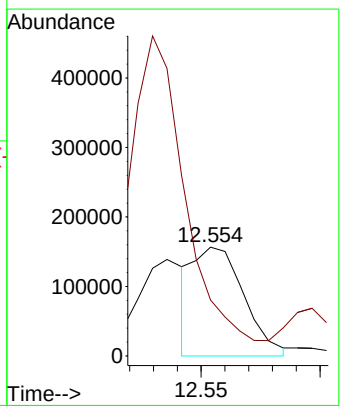
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

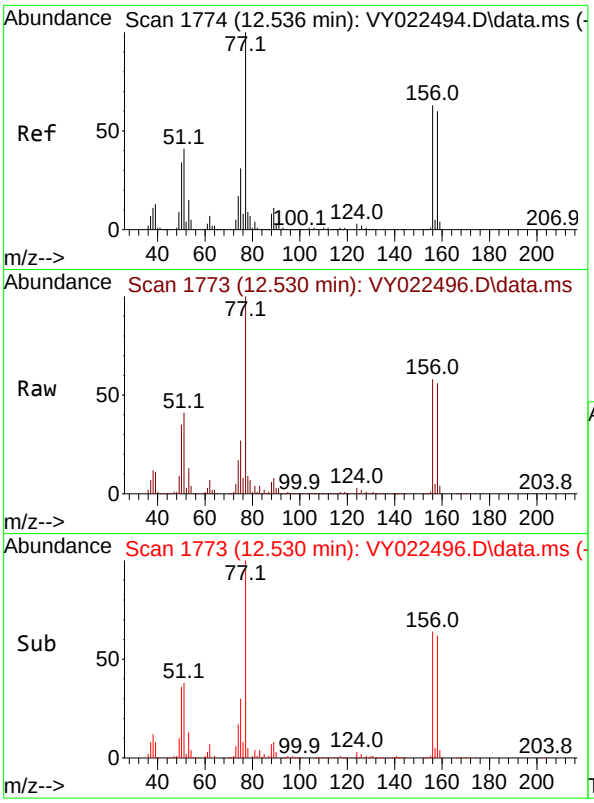


#76
1,2,3-Trichloropropane
Concen: 116.768 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 75 Resp: 231729

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

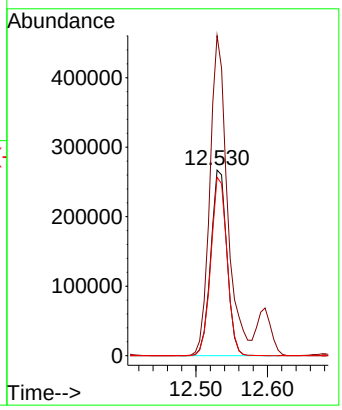




#77
Bromobenzene
Concen: 162.489 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:156 Resp: 41712

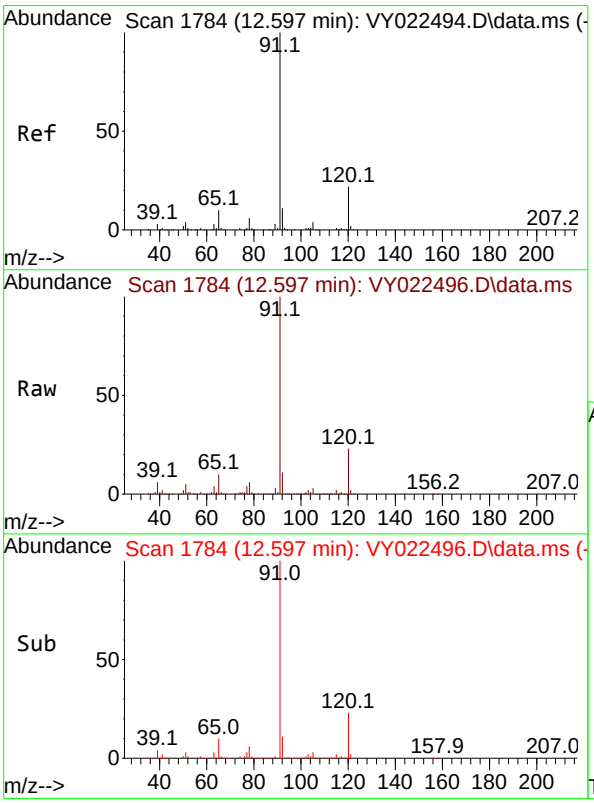
Ion	Ratio	Lower	Upper
156	100		
77	188.4	94.0	282.1
158	96.4	48.2	144.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

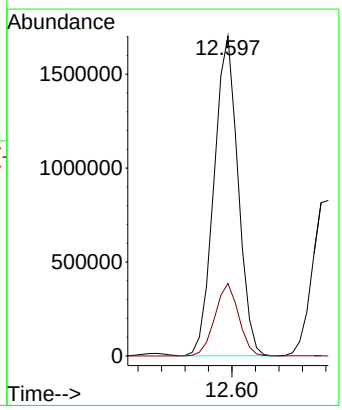
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

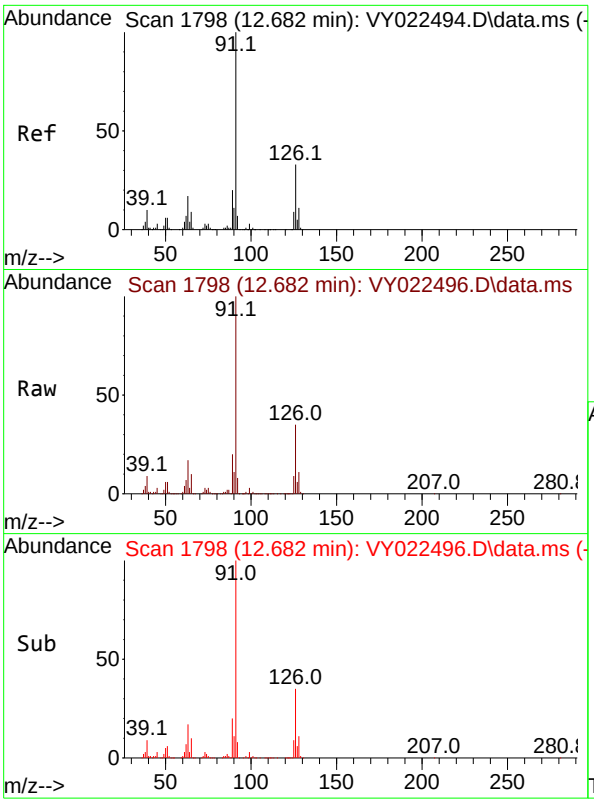


#78
n-propylbenzene
Concen: 163.876 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 91 Resp: 2416013

Ion	Ratio	Lower	Upper
91	100		
120	22.4	10.8	32.4





#79
2-Chlorotoluene
Concen: 163.862 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

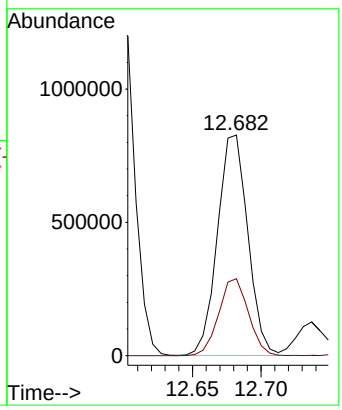
Tgt Ion: 91 Resp: 127558

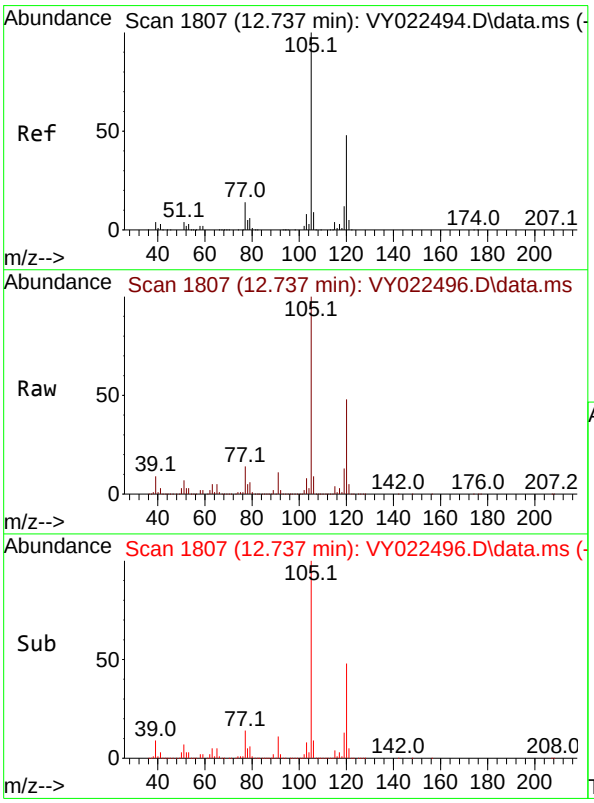
Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.0	51.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

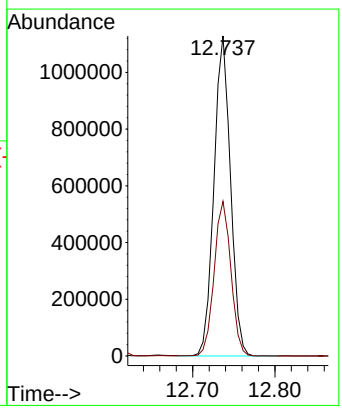


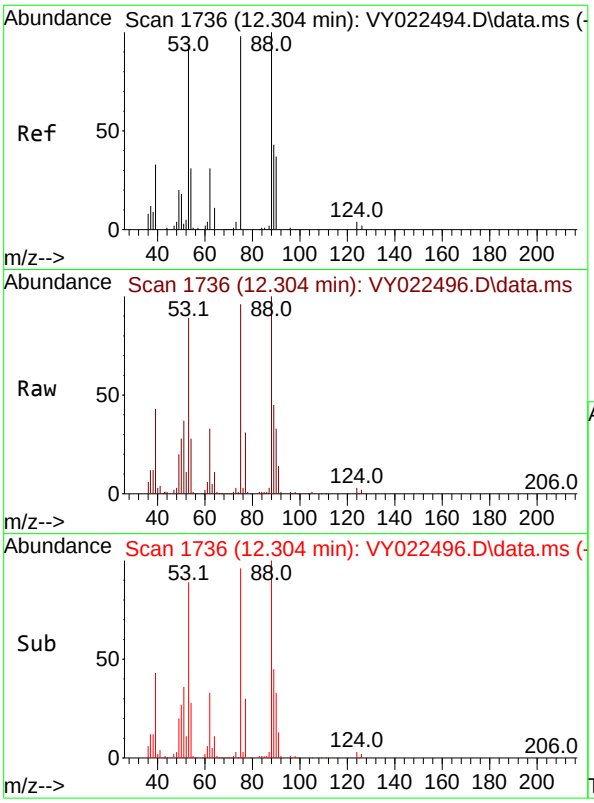


#80
1,3,5-Trimethylbenzene
Concen: 166.511 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:105 Resp: 1576906

Ion	Ratio	Lower	Upper
105	100		
120	49.0	24.1	72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 160.989 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

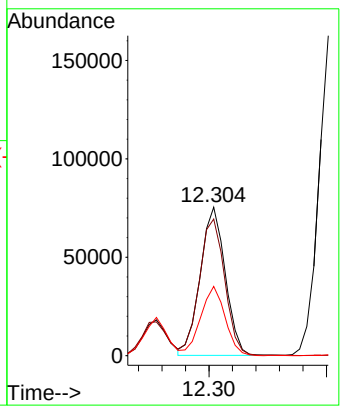
Tgt Ion: 75 Resp: 11143

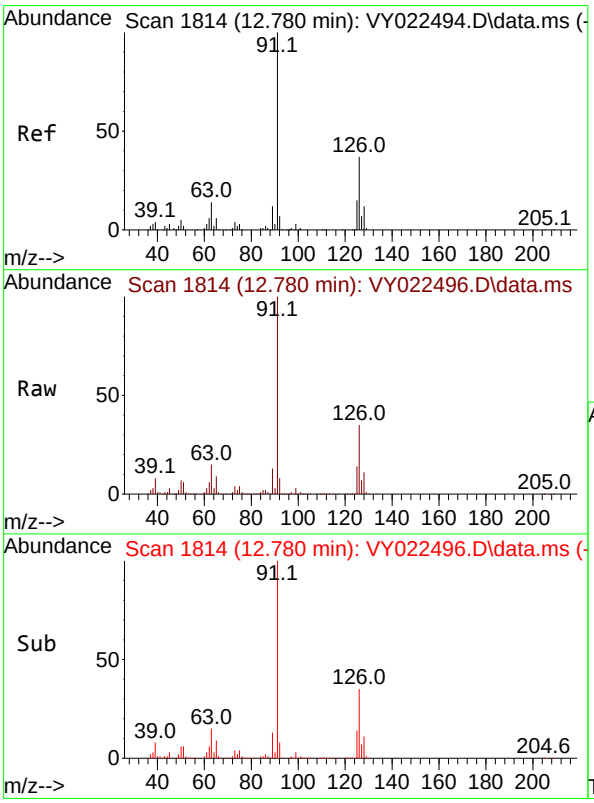
Ion	Ratio	Lower	Upper
75	100		
53	93.2	78.5	117.7
89	46.1	35.7	53.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

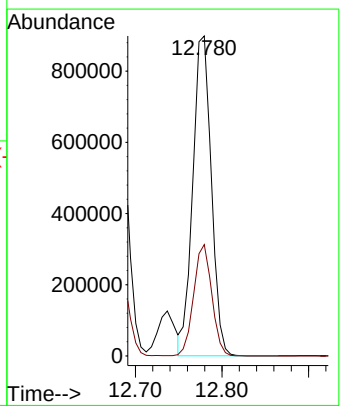


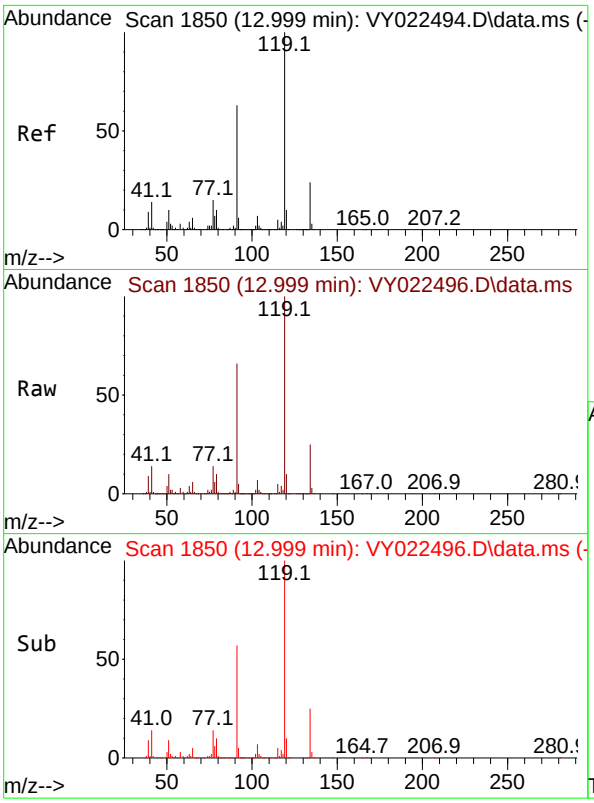


#82
4-Chlorotoluene
Concen: 165.467 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 91 Resp: 1334965

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	50.9

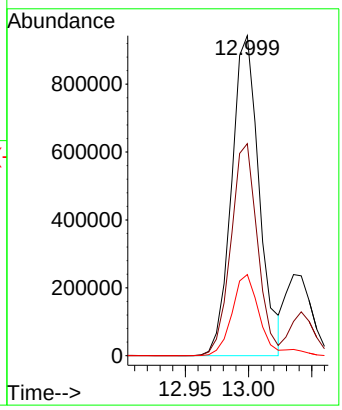




#83
tert-Butylbenzene
Concen: 166.064 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:119 Resp: 143464

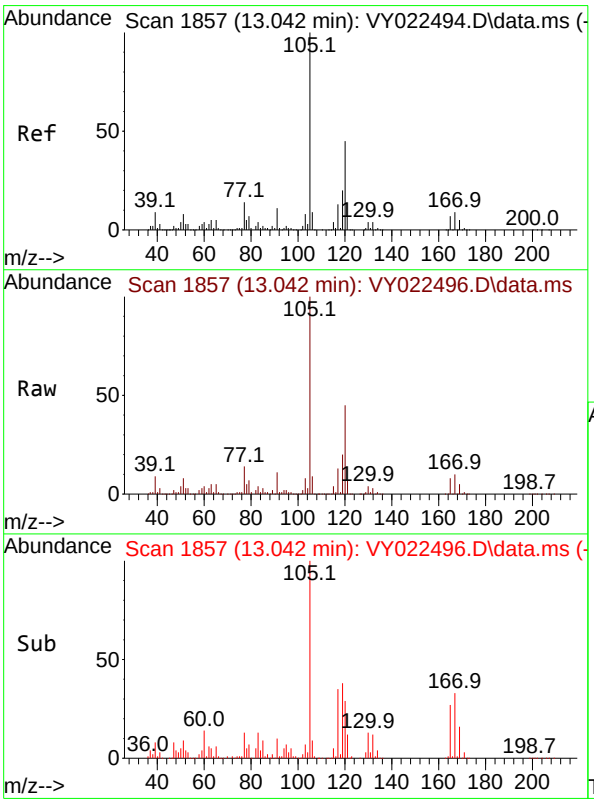
Ion	Ratio	Lower	Upper
119	100		
91	63.7	32.1	96.3
134	25.9	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

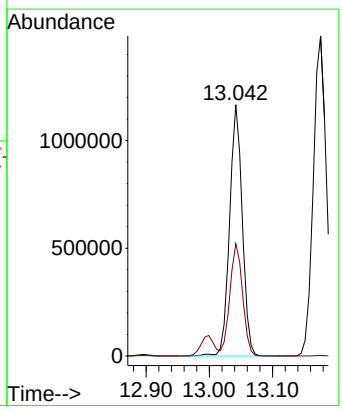
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

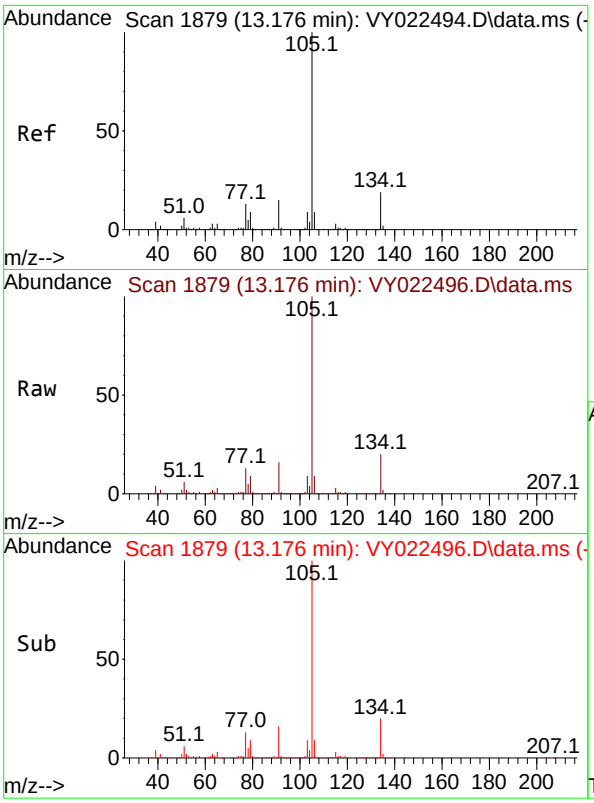


#84
1,2,4-Trimethylbenzene
Concen: 171.323 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:105 Resp: 1623289

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.7	68.1

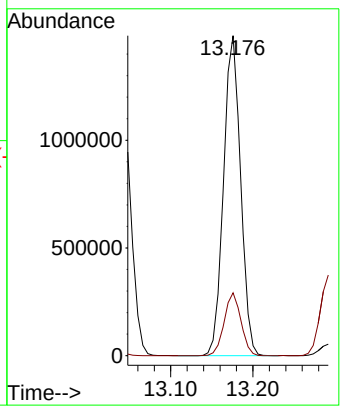




#85
sec-Butylbenzene
Concen: 163.415 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:105 Resp: 214044

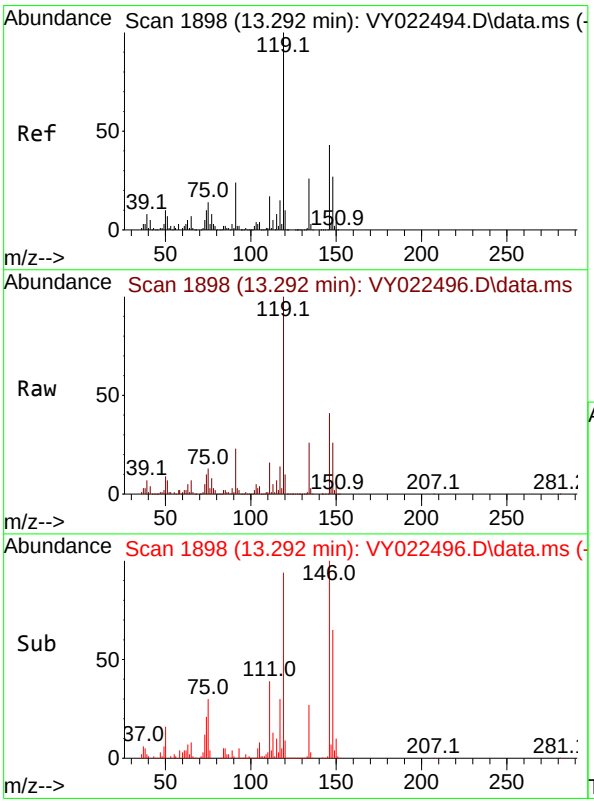
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

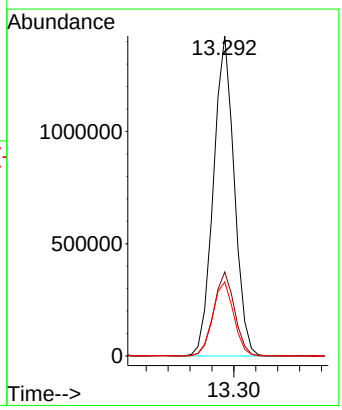
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

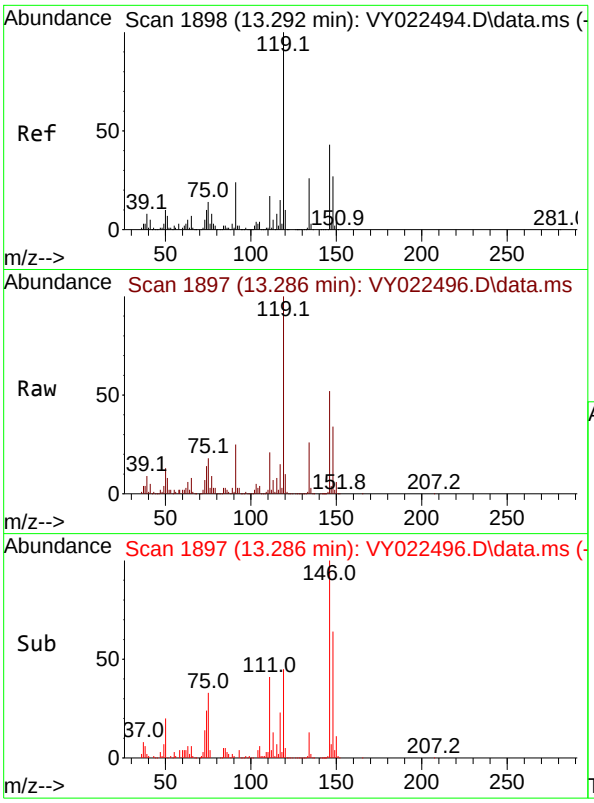


#86
p-Isopropyltoluene
Concen: 174.353 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:119 Resp: 1877539

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.1
91	23.6	11.6	34.8

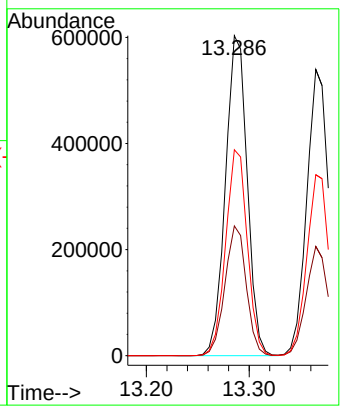




#87
1,3-Dichlorobenzene
Concen: 172.326 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:146 Resp: 88505

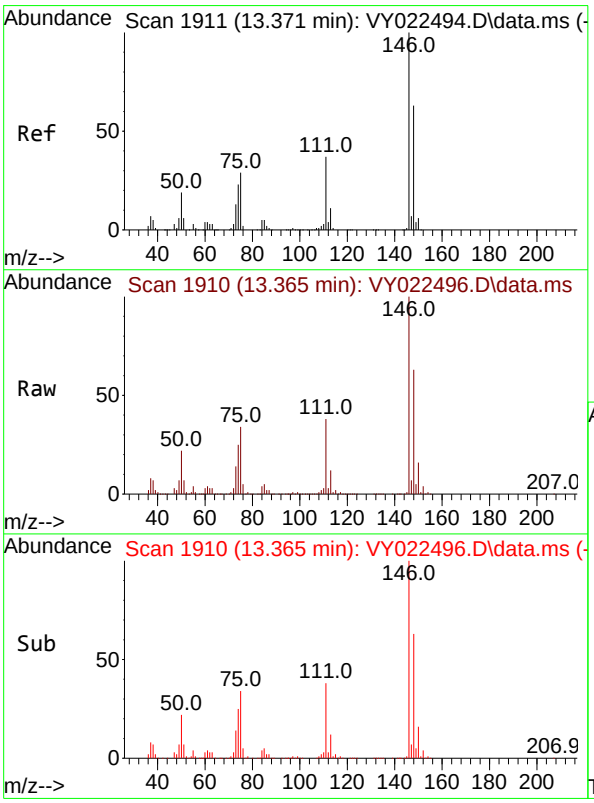
Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.1	60.2
148	64.2	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

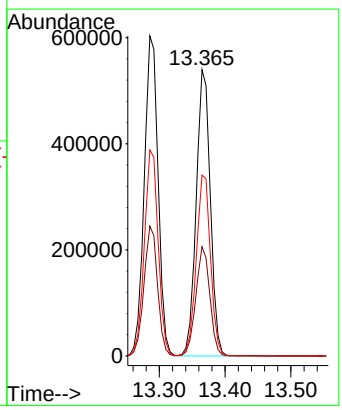
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

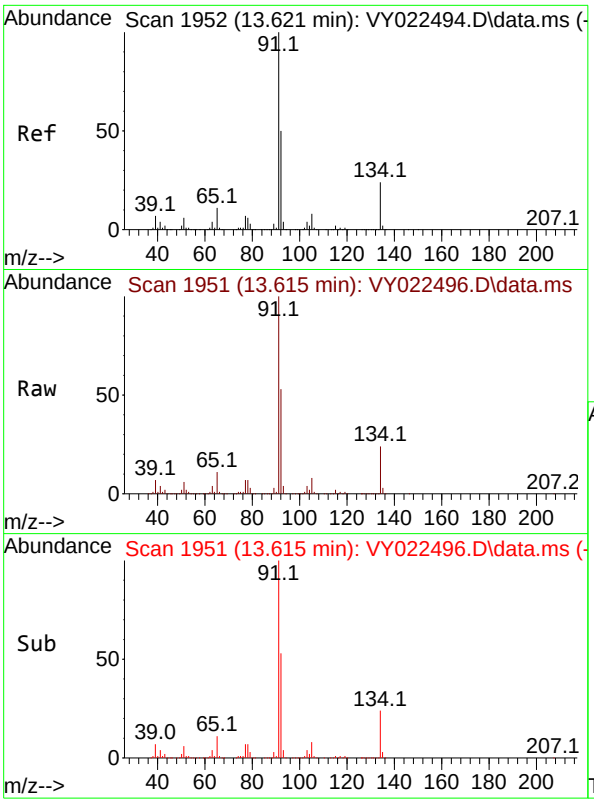


#88
1,4-Dichlorobenzene
Concen: 160.470 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:146 Resp: 803022

Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.4	58.2
148	63.7	31.6	94.8

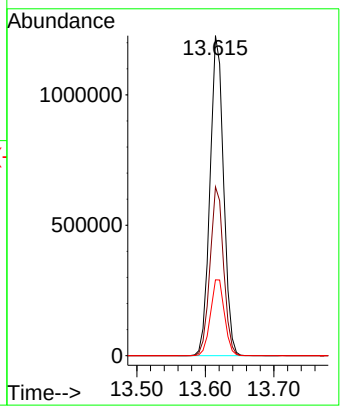




#89
n-Butylbenzene
Concen: 164.939 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 91 Resp: 169111

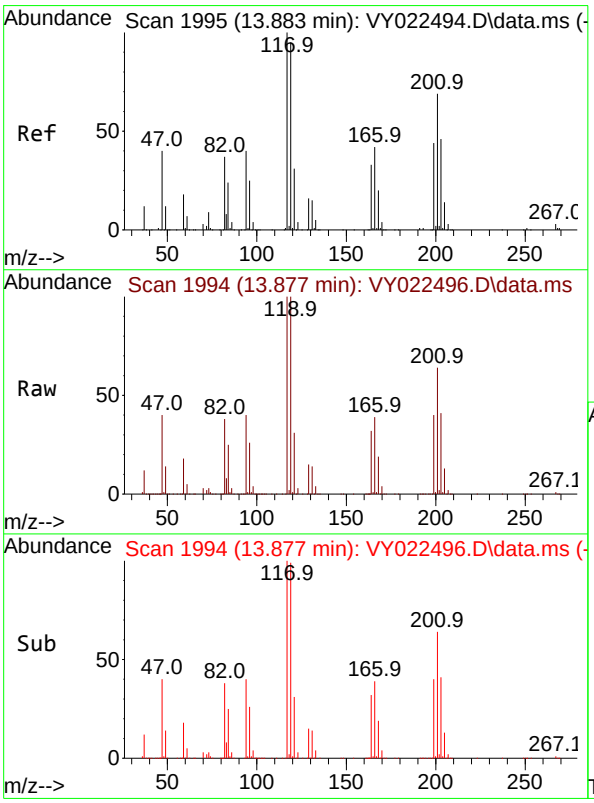
Ion	Ratio	Lower	Upper
91	100		
92	52.6	25.9	77.8
134	24.6	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

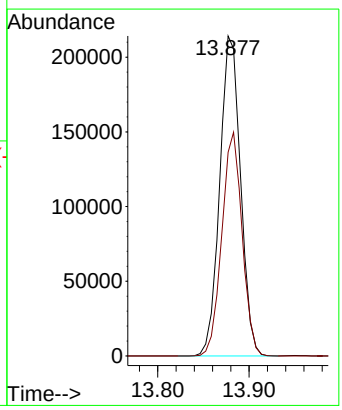
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

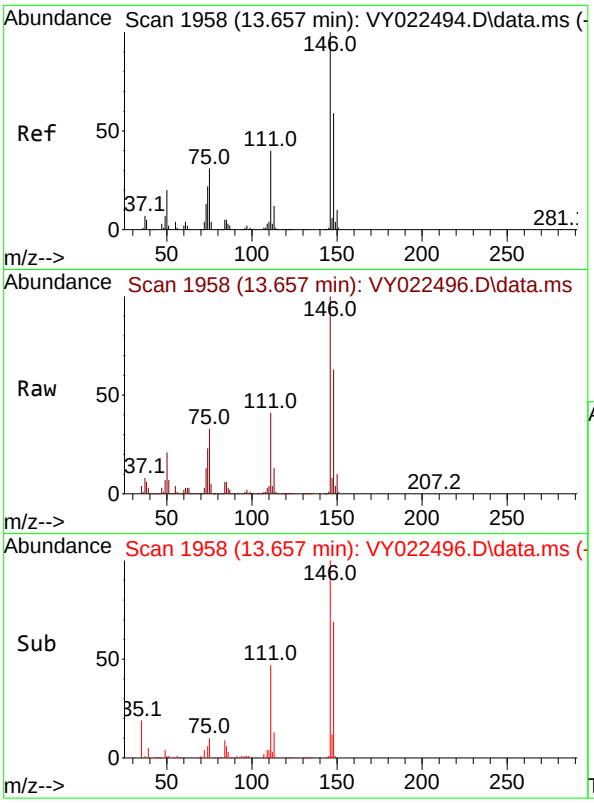


#90
Hexachloroethane
Concen: 160.801 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:117 Resp: 338845

Ion	Ratio	Lower	Upper
117	100		
201	68.2	34.0	102.0

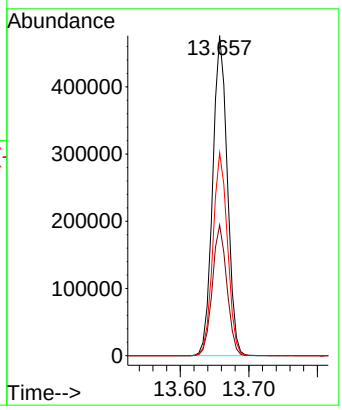




#91
1,2-Dichlorobenzene
Concen: 159.809 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:146 Resp: 70512

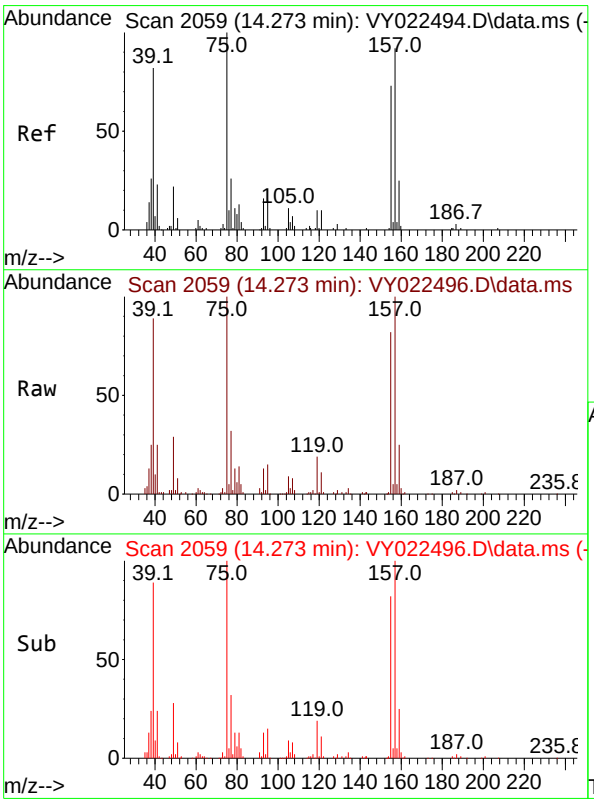
Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.2	60.6
148	63.2	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

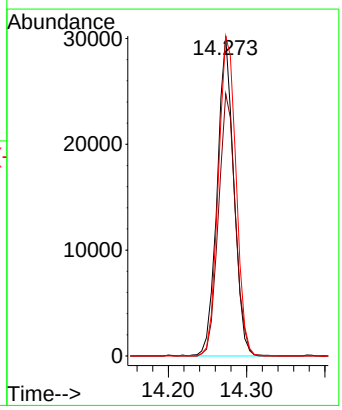
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

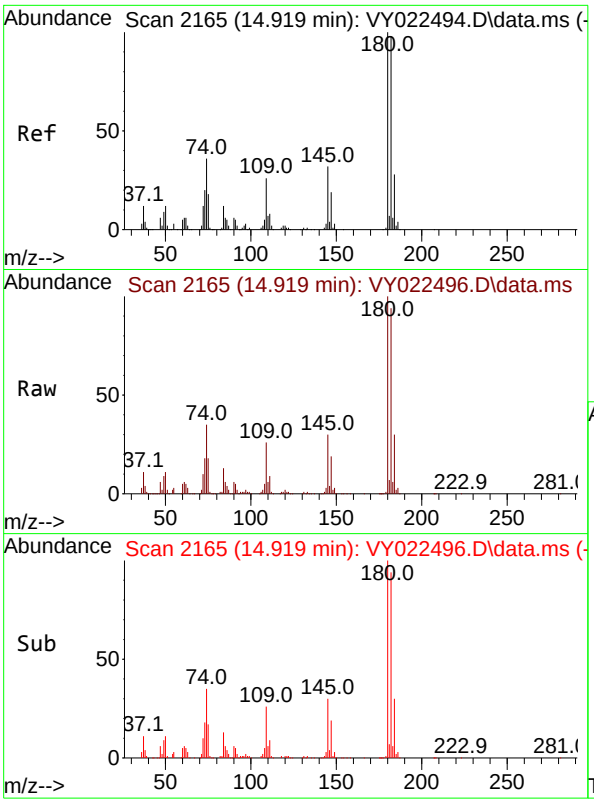


#92
1,2-Dibromo-3-Chloropropane
Concen: 149.709 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 75 Resp: 44514

Ion	Ratio	Lower	Upper
75	100		
155	83.7	39.9	119.6
157	106.5	54.0	162.0

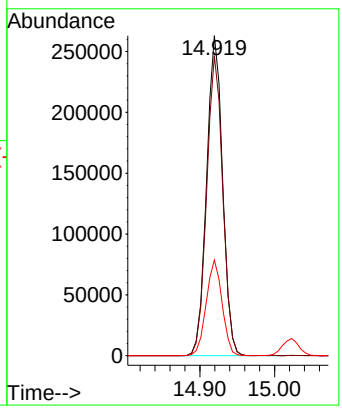




#93
1,2,4-Trichlorobenzene
Concen: 161.773 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:180 Resp: 39017

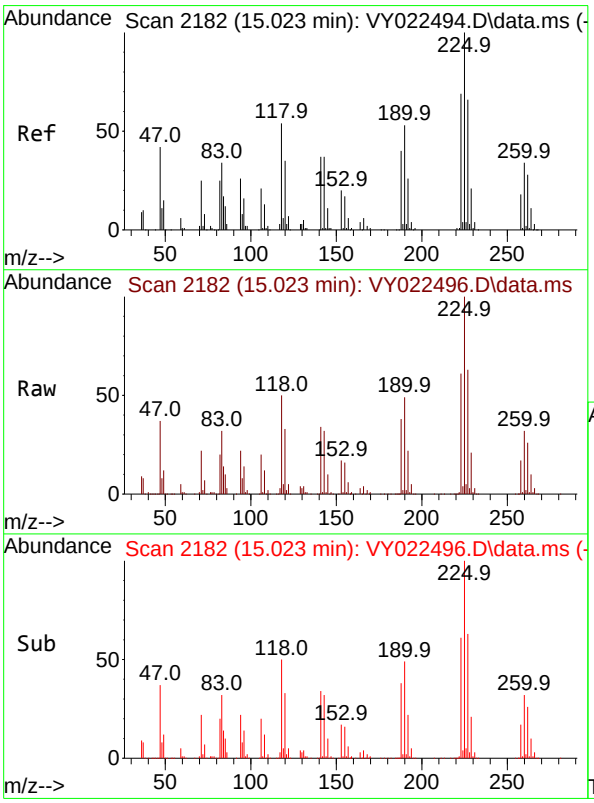
Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.4	145.3
145	29.7	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

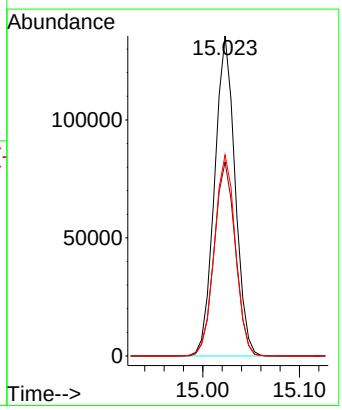
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

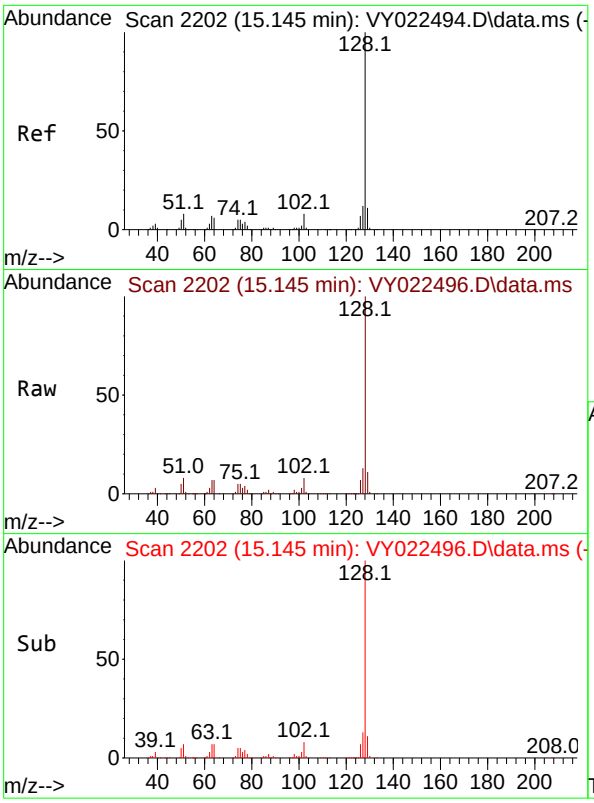


#94
Hexachlorobutadiene
Concen: 151.389 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:225 Resp: 199423

Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.5	97.4
227	64.2	32.3	96.9

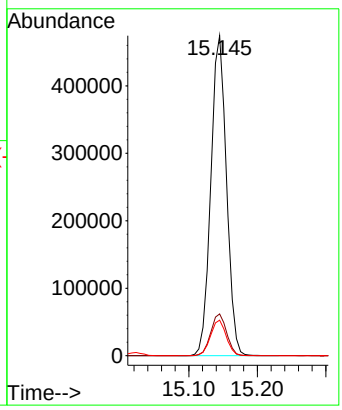




#95
Naphthalene
Concen: 162.970 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:128 Resp: 75327

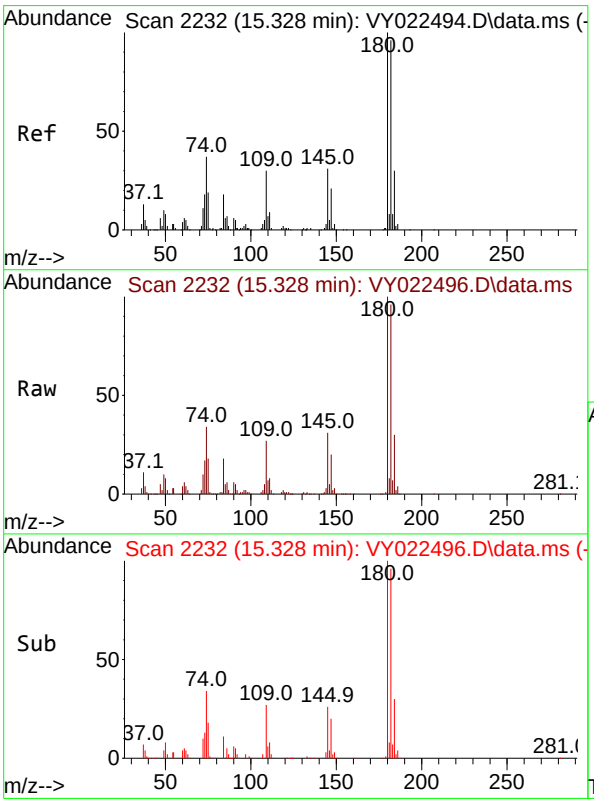
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.2	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

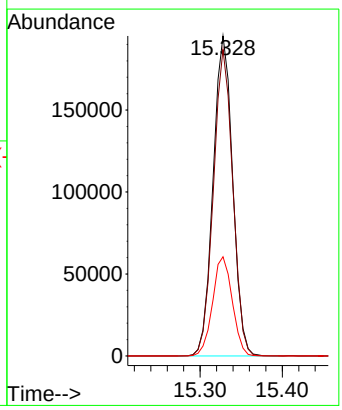
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 157.072 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:180 Resp: 321960

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.1	141.3
145	31.3	15.2	45.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	219240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	365013	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	312263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	145254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	106759	43.538	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 87.080%			
35) Dibromofluoromethane	7.634	113	101692	46.676	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.360%			
50) Toluene-d8	10.109	98	411640	46.760	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.520%			
62) 4-Bromofluorobenzene	12.408	95	120253	45.847	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	84059	42.825	ug/l	99
3) Chloromethane	2.068	50	276116	47.616	ug/l	100
4) Vinyl Chloride	2.202	62	323338	48.066	ug/l	97
5) Bromomethane	2.599	94	274123	42.515	ug/l	99
6) Chloroethane	2.733	64	205816	44.575	ug/l	96
7) Trichlorofluoromethane	3.050	101	271122	47.475	ug/l	96
8) Diethyl Ether	3.458	74	56906	44.247	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	108788	45.230	ug/l	99
10) Methyl Iodide	4.007	142	116830	44.885	ug/l	100
11) Tert butyl alcohol	4.879	59	36036	205.761	ug/l	97
12) 1,1-Dichloroethene	3.787	96	106297	46.234	ug/l	98
13) Acrolein	3.653	56	48776	223.473	ug/l	98
14) Allyl chloride	4.385	41	165428	45.834	ug/l	99
15) Acrylonitrile	5.061	53	118175	216.963	ug/l	100
16) Acetone	3.873	43	110479	221.854	ug/l	99
17) Carbon Disulfide	4.104	76	341772	46.432	ug/l	100
18) Methyl Acetate	4.391	43	57416	38.935	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	284761	43.974	ug/l	99
20) Methylene Chloride	4.616	84	115624	40.875	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	118427	46.024	ug/l	95
22) Diisopropyl ether	6.019	45	354328	44.104	ug/l	96
23) Vinyl Acetate	5.964	43	1064896	223.951	ug/l	100
24) 1,1-Dichloroethane	5.915	63	217965	46.053	ug/l	98
25) 2-Butanone	6.897	43	158557	220.736	ug/l	98
26) 2,2-Dichloropropane	6.890	77	195035	46.639	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	136882	46.024	ug/l	99
28) Bromochloromethane	7.244	49	96031	46.547	ug/l	100
29) Tetrahydrofuran	7.262	42	98109	211.767	ug/l	100
30) Chloroform	7.427	83	215264	45.919	ug/l	94
31) Cyclohexane	7.701	56	206176	43.757	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	194039	46.627	ug/l	99
36) 1,1-Dichloropropene	7.835	75	166116	46.978	ug/l	99
37) Ethyl Acetate	6.988	43	68761	43.605	ug/l	98
38) Carbon Tetrachloride	7.823	117	173199	47.747	ug/l	97
39) Methylcyclohexane	9.110	83	222971	46.923	ug/l	99
40) Benzene	8.085	78	491078	47.020	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	39730	43.134	ug/l		99
42) 1,2-Dichloroethane	8.158	62	130161	45.644	ug/l		98
43) Isopropyl Acetate	8.201	43	150263	44.122	ug/l	#	88
44) Trichloroethene	8.866	130	118971	46.609	ug/l		97
45) 1,2-Dichloropropane	9.140	63	114988	46.587	ug/l		96
46) Dibromomethane	9.231	93	64473	46.430	ug/l		98
47) Bromodichloromethane	9.427	83	164872	46.825	ug/l		100
48) Methyl methacrylate	9.219	41	70644	44.198	ug/l		98
49) 1,4-Dioxane	9.231	88	13433	816.553	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.000	43	372276	219.250	ug/l		98
52) Toluene	10.170	92	309375	47.137	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	152066	46.094	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	177445	46.206	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	79596	44.953	ug/l		96
56) Ethyl methacrylate	10.439	69	115237	45.029	ug/l		99
57) 1,3-Dichloropropane	10.719	76	143407	45.696	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	283213	243.746	ug/l		99
59) 2-Hexanone	10.762	43	249926	220.088	ug/l		99
60) Dibromochloromethane	10.914	129	101515	45.114	ug/l		100
61) 1,2-Dibromoethane	11.018	107	74173	45.960	ug/l		97
64) Tetrachloroethene	10.646	164	121944	45.398	ug/l		98
65) Chlorobenzene	11.444	112	317533	45.953	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	105830	45.464	ug/l		98
67) Ethyl Benzene	11.518	91	605560	47.248	ug/l		99
68) m/p-Xylenes	11.633	106	454148	93.473	ug/l		100
69) o-Xylene	11.957	106	209354	45.959	ug/l		98
70) Styrene	11.969	104	352505	46.815	ug/l		98
71) Bromoform	12.133	173	55559	44.852	ug/l	#	98
73) Isopropylbenzene	12.255	105	559690	46.933	ug/l		100
74) N-amyl acetate	12.072	43	136915	45.502	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	87402	44.656	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	68304m	41.103	ug/l		
77) Bromobenzene	12.536	156	114771	45.607	ug/l		100
78) n-propylbenzene	12.597	91	680155	46.696	ug/l		99
79) 2-Chlorotoluene	12.682	91	358756	46.472	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	438873	46.876	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	29567	42.968	ug/l		100
82) 4-Chlorotoluene	12.780	91	368631	46.289	ug/l		100
83) tert-Butylbenzene	12.999	119	400440	47.655	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	437631	46.735	ug/l		99
85) sec-Butylbenzene	13.176	105	607968	47.241	ug/l		100
86) p-Isopropyltoluene	13.292	119	501979	47.321	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	234193	45.932	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	223096	45.113	ug/l		98
89) n-Butylbenzene	13.621	91	482774	47.968	ug/l		100
90) Hexachloroethane	13.883	117	97273	47.101	ug/l		98
91) 1,2-Dichlorobenzene	13.658	146	195728	45.213	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12728	44.665	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	109742	46.481	ug/l		97
94) Hexachlorobutadiene	15.023	225	59236	45.457	ug/l		98
95) Naphthalene	15.145	128	203925	45.009	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	89699	44.331	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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

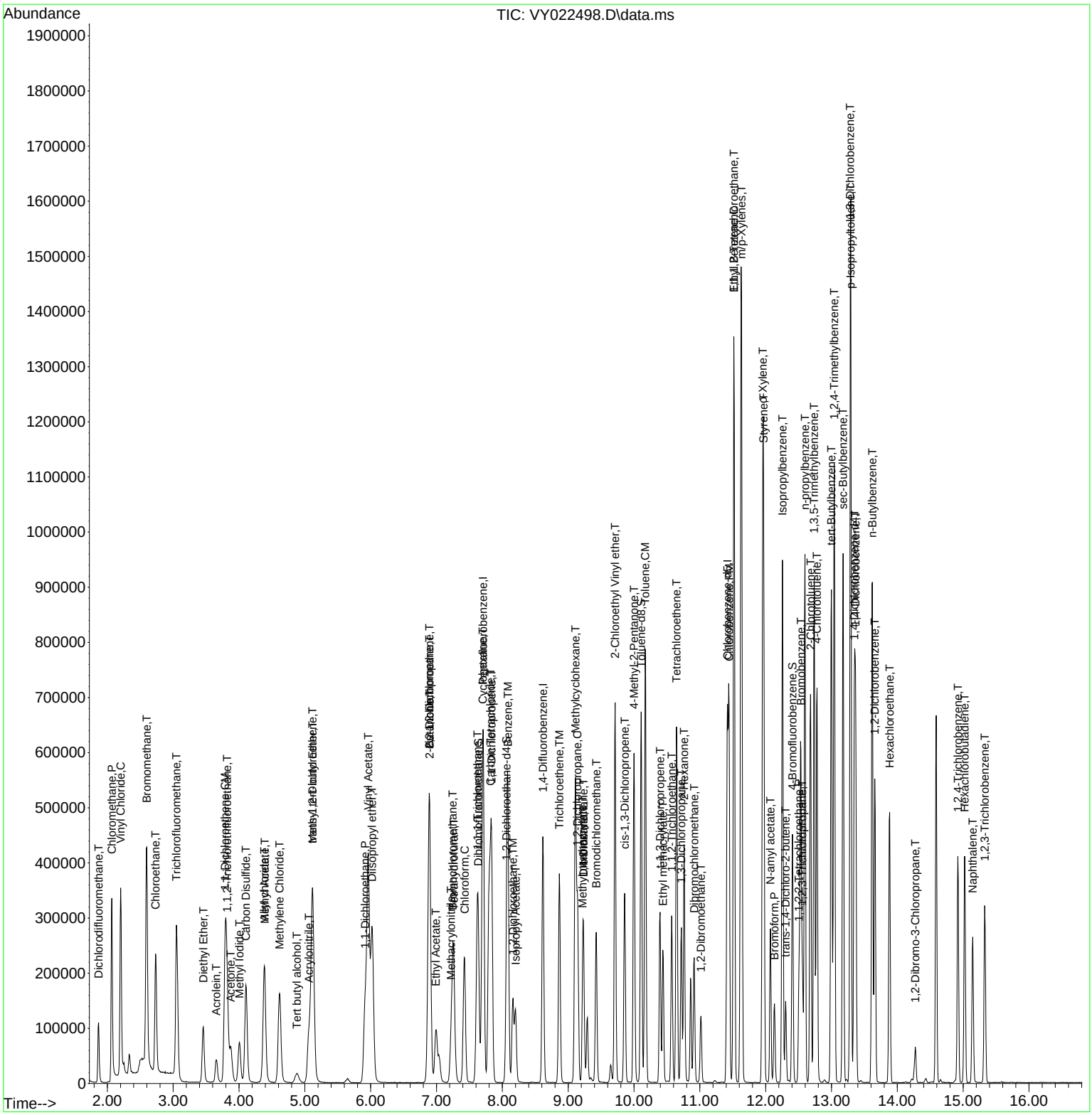
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

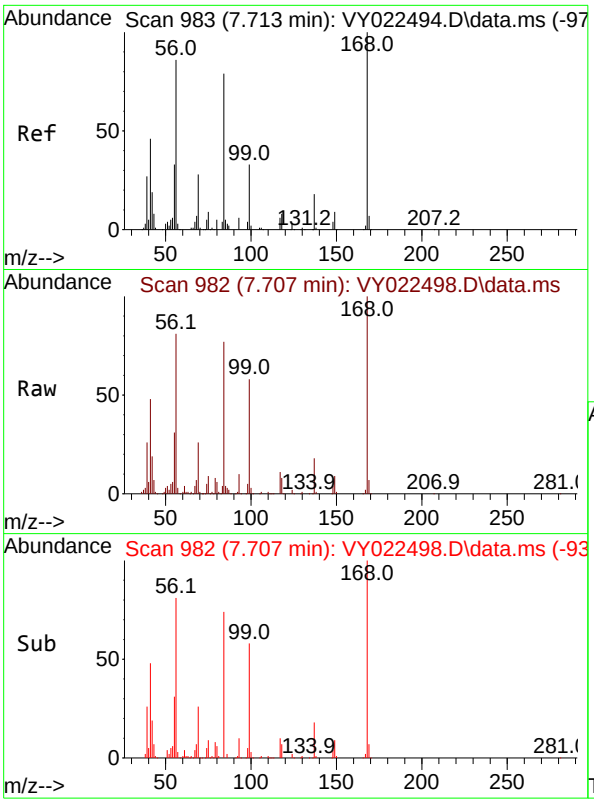
Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

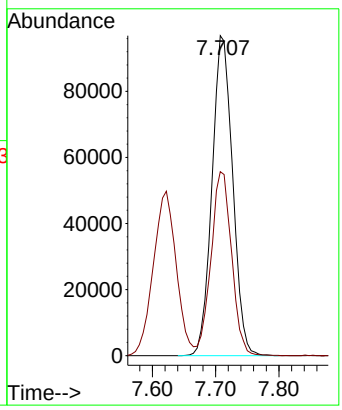




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:168 Resp: 21924

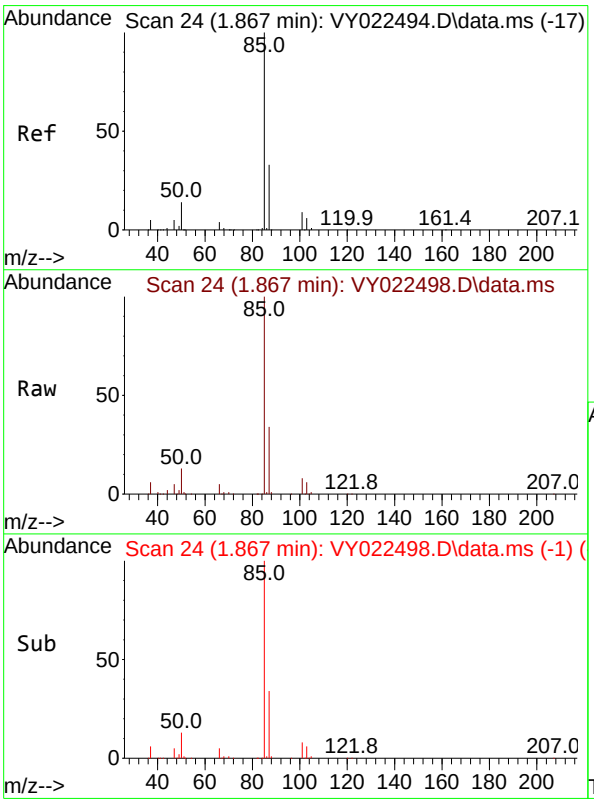
Ion	Ratio	Lower	Upper
168	100		
99	57.4	44.3	66.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

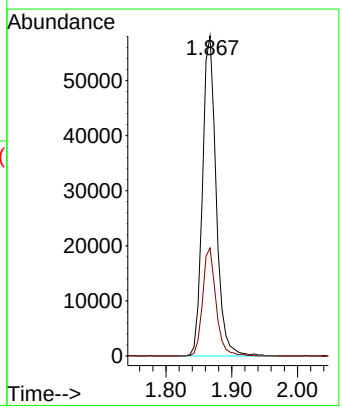
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

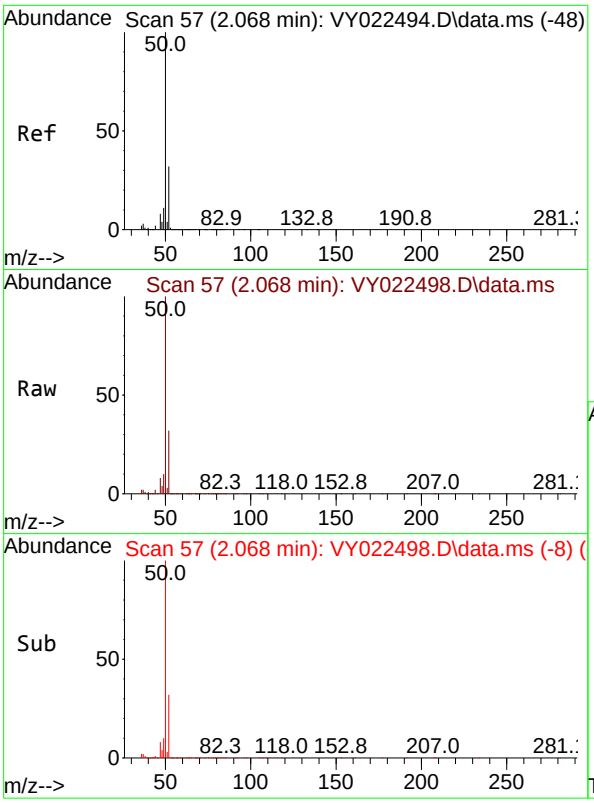


#2
Dichlorodifluoromethane
Concen: 42.825 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 85 Resp: 84059

Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.7	50.0





#3
Chloromethane
Concen: 47.616 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

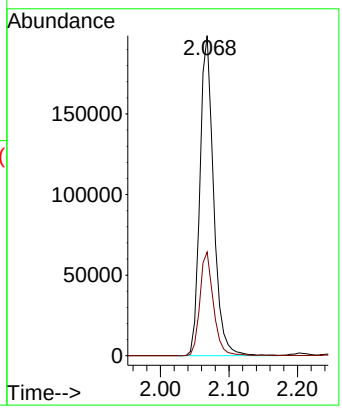
Tgt Ion: 50 Resp: 27611

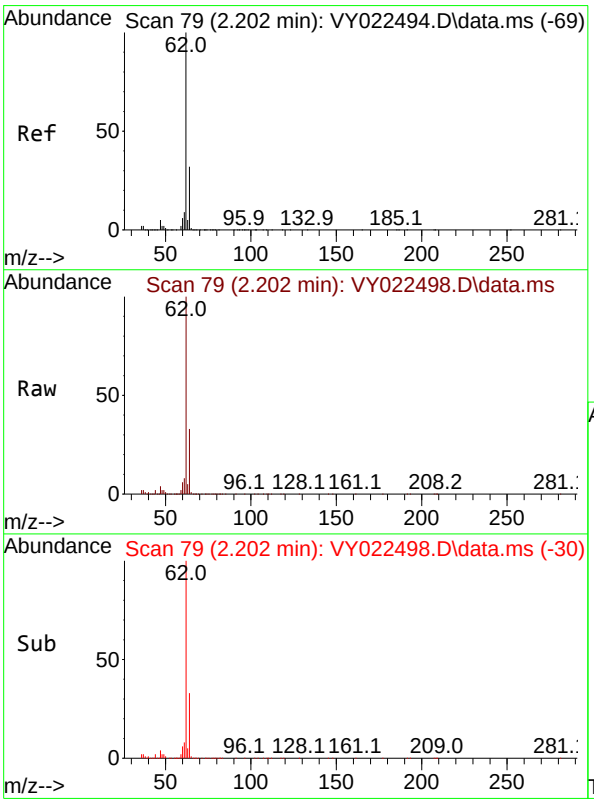
Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

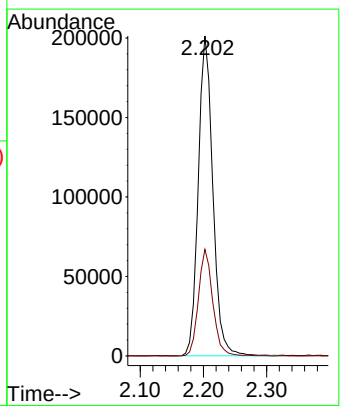


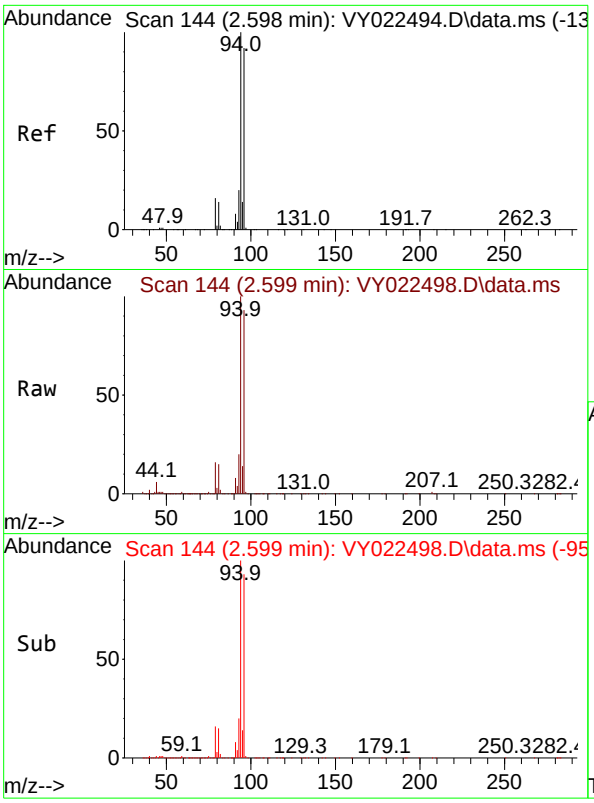


#4
Vinyl Chloride
Concen: 48.066 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 62 Resp: 323338

Ion	Ratio	Lower	Upper
62	100		
64	33.3	25.3	37.9

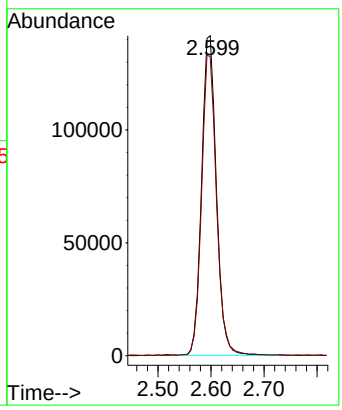




#5
Bromomethane
Concen: 42.515 ug/l
RT: 2.599 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 94 Resp: 27412

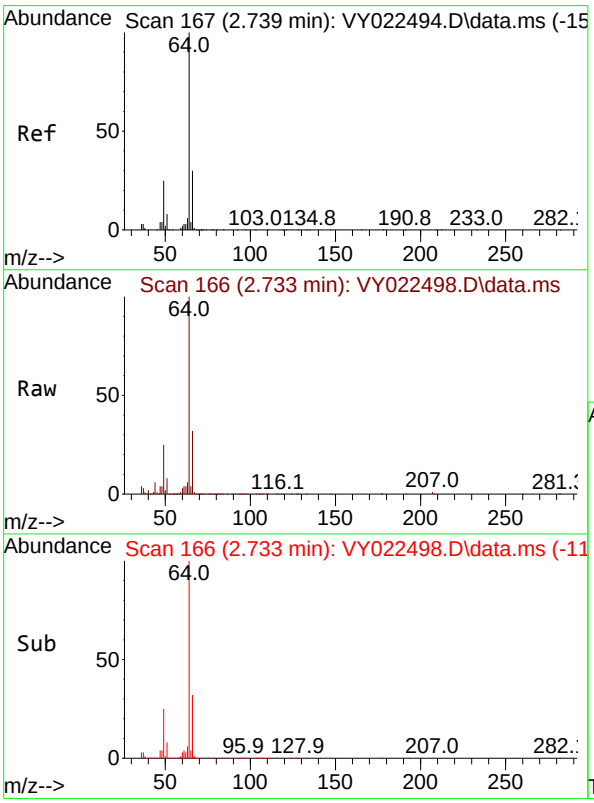
Ion	Ratio	Lower	Upper
94	100		
96	93.4	74.0	111.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

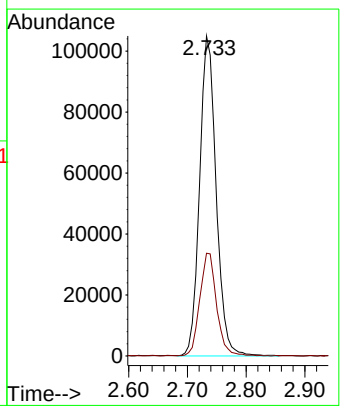
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

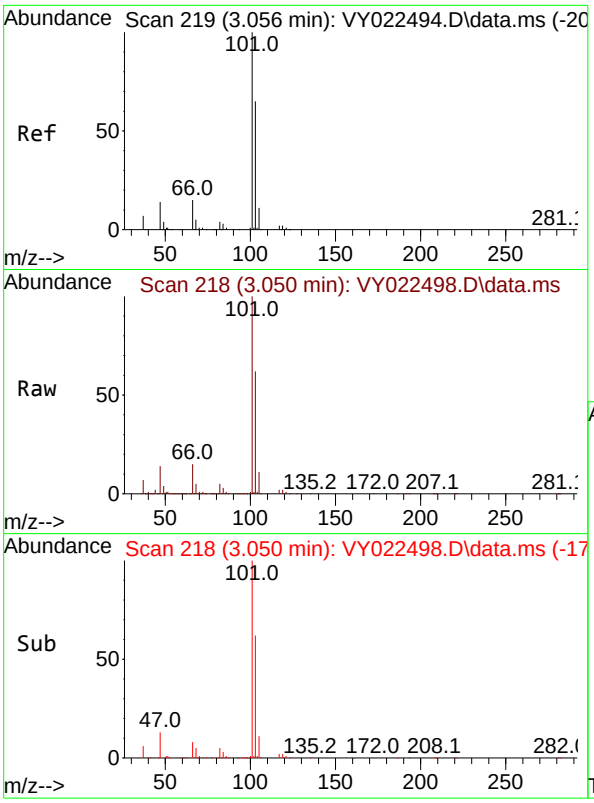


#6
Chloroethane
Concen: 44.575 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 64 Resp: 205816

Ion	Ratio	Lower	Upper
64	100		
66	32.0	23.8	35.6

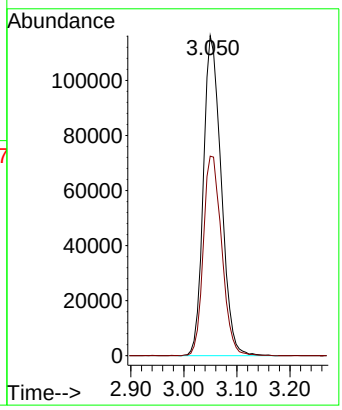




#7
Trichlorofluoromethane
Concen: 47.475 ug/l
RT: 3.050 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:101 Resp: 27112

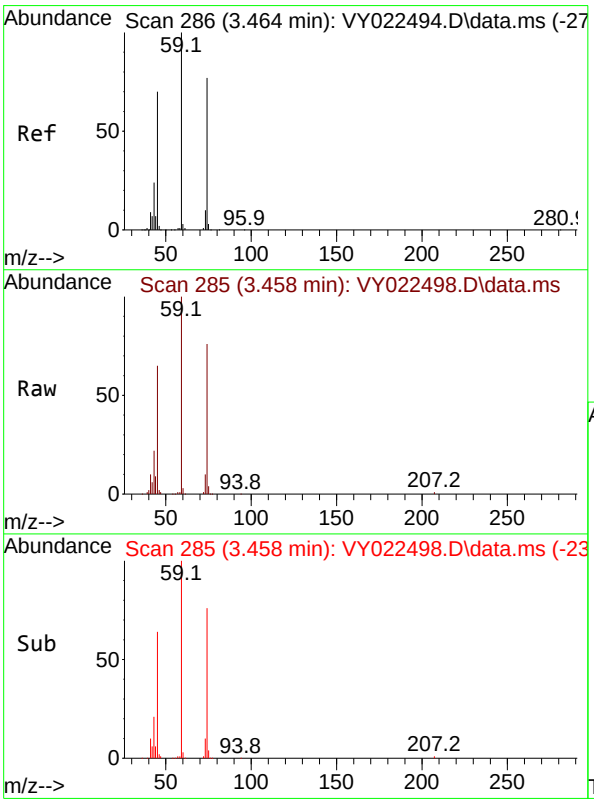
Ion	Ratio	Lower	Upper
101	100		
103	62.4	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

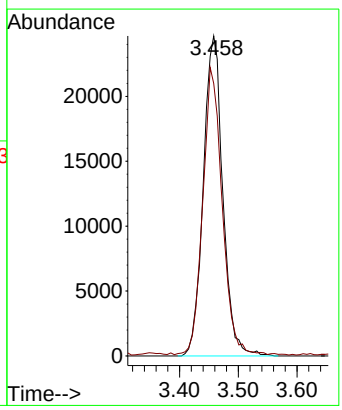
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

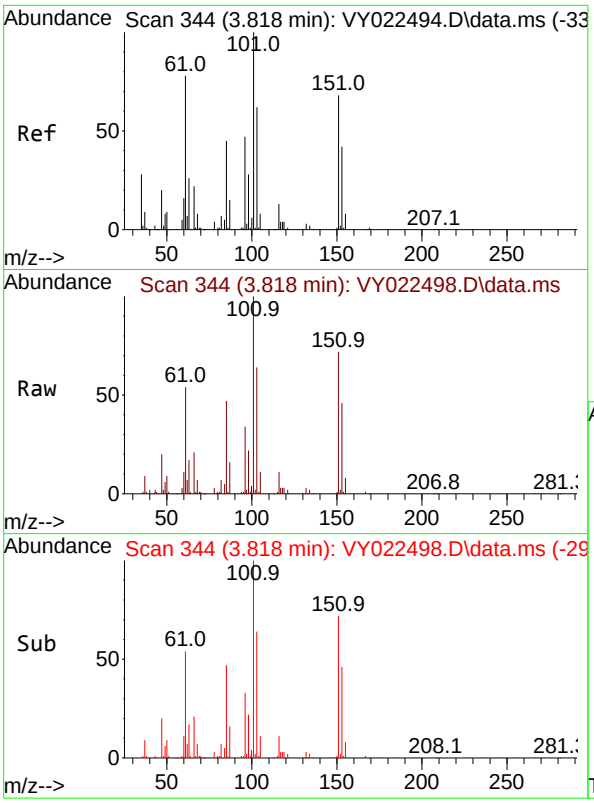


#8
Diethyl Ether
Concen: 44.247 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 74 Resp: 56906

Ion	Ratio	Lower	Upper
74	100		
45	89.1	45.9	137.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.230 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

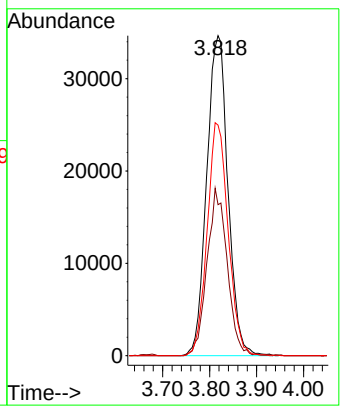
Tgt Ion:101 Resp: 10878

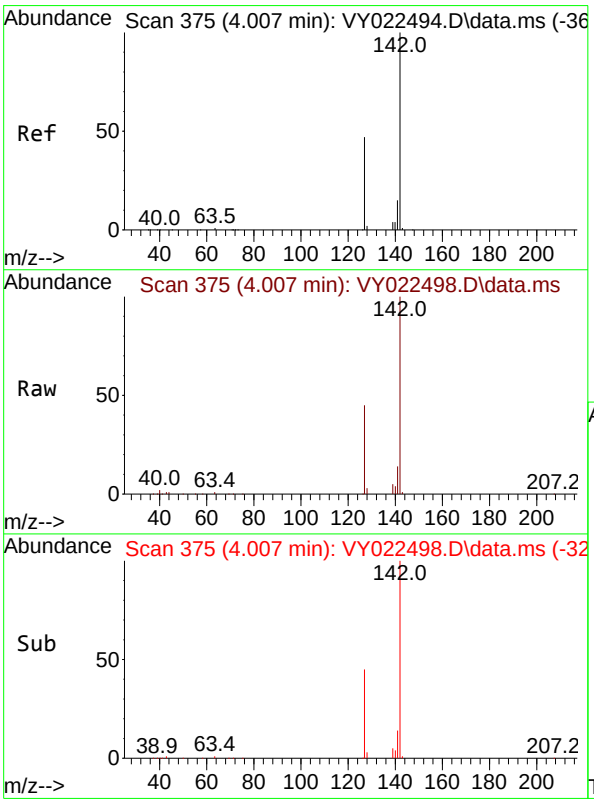
Ion	Ratio	Lower	Upper
101	100		
85	49.7	39.3	58.9
151	71.8	57.8	86.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

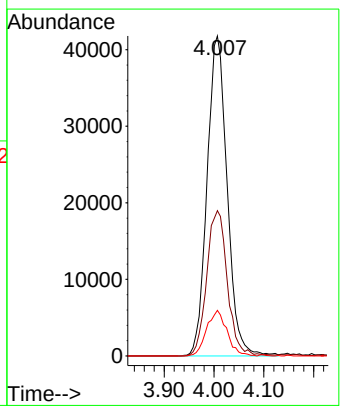


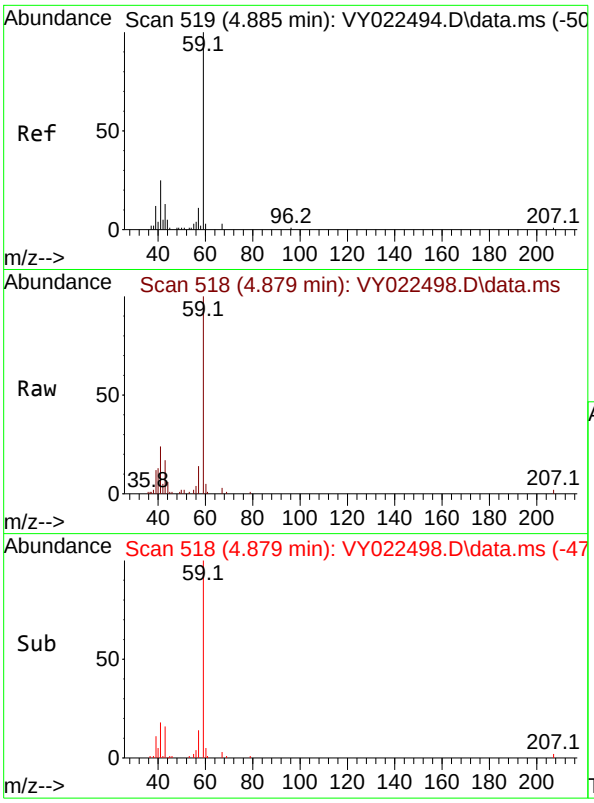


#10
Methyl Iodide
Concen: 44.885 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:142 Resp: 116830

Ion	Ratio	Lower	Upper
142	100		
127	46.7	37.1	55.7
141	14.5	11.4	17.2

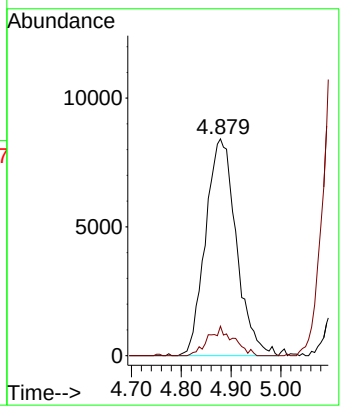




#11
Tert butyl alcohol
Concen: 205.761 ug/l
RT: 4.879 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 59 Resp: 3603

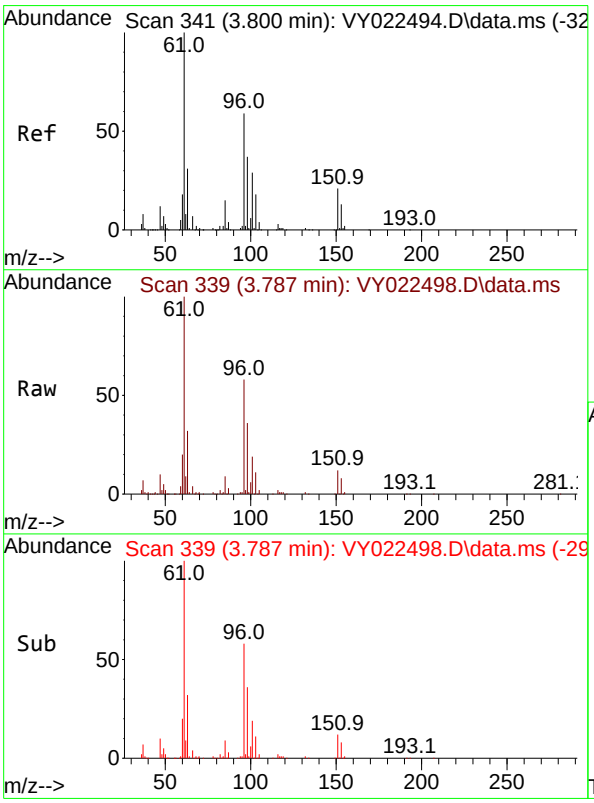
Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.0	12.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

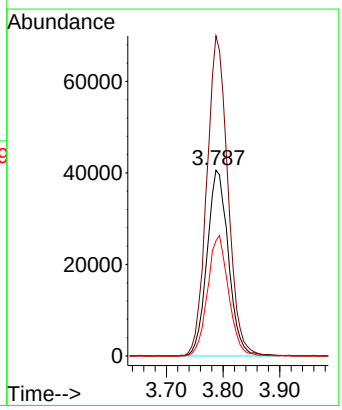
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

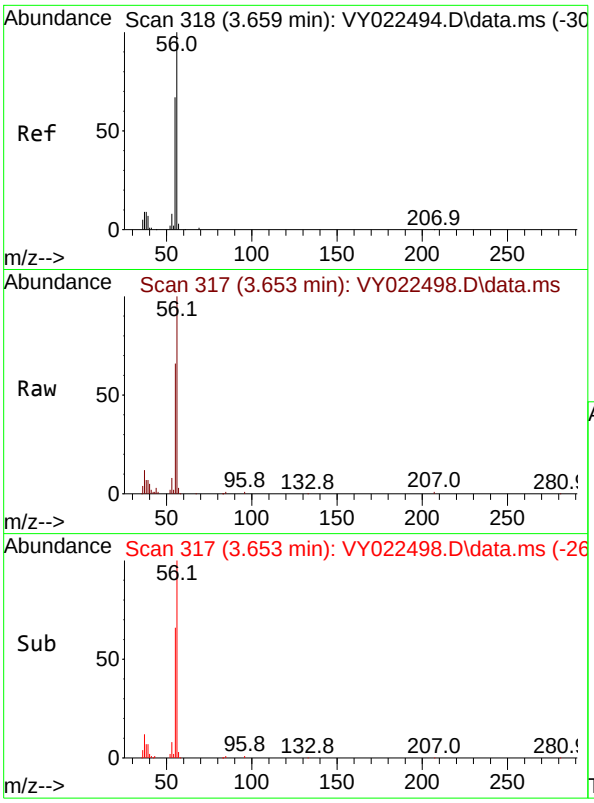


#12
1,1-Dichloroethene
Concen: 46.234 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.012 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 96 Resp: 106297

Ion	Ratio	Lower	Upper
96	100		
61	172.2	134.6	201.8
98	62.0	50.2	75.4

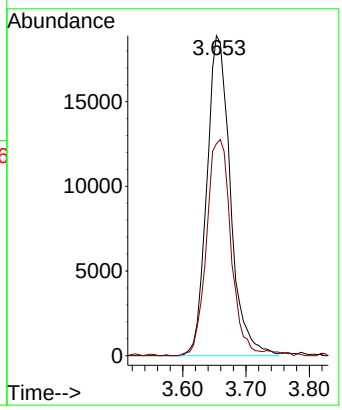




#13
Acrolein
Concen: 223.473 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 56 Resp: 4877

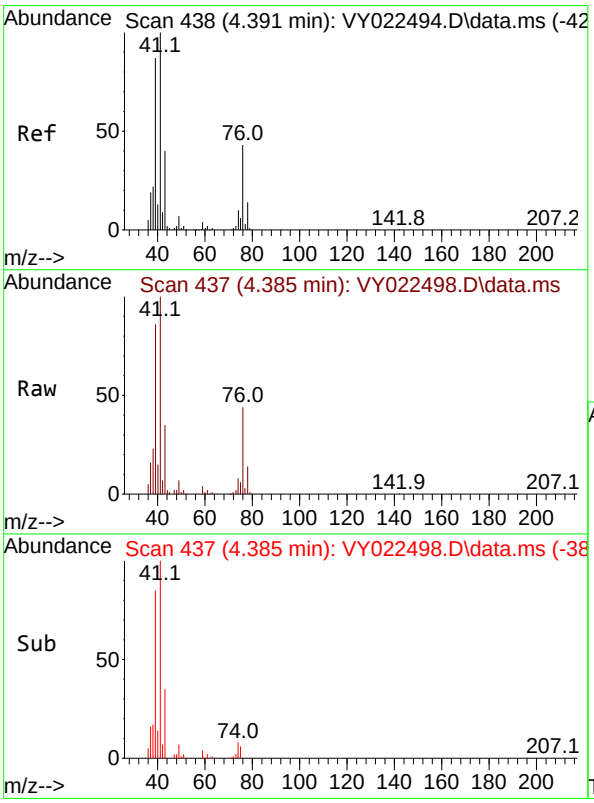
Ion	Ratio	Lower	Upper
56	100		
55	70.0	57.0	85.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

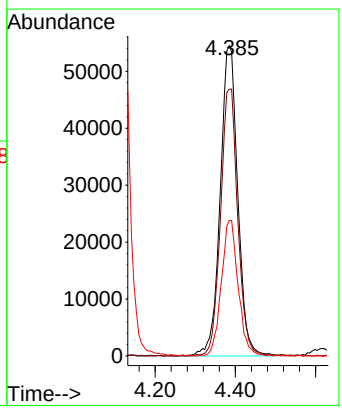
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

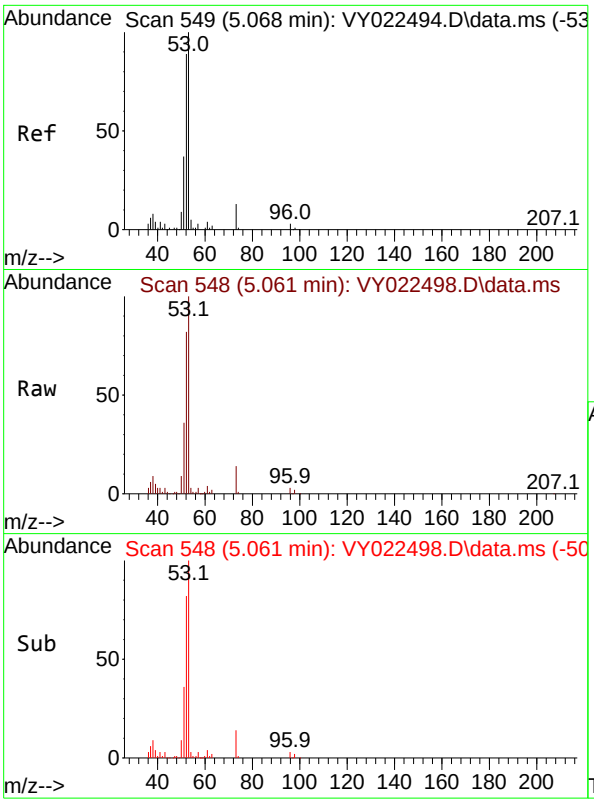


#14
Allyl chloride
Concen: 45.834 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 41 Resp: 165428

Ion	Ratio	Lower	Upper
41	100		
39	84.5	69.1	103.7
76	41.9	33.5	50.3

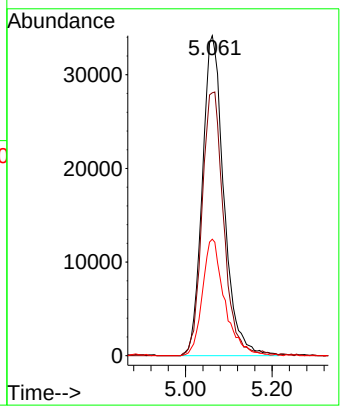




#15
Acrylonitrile
Concen: 216.963 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 53 Resp: 11817

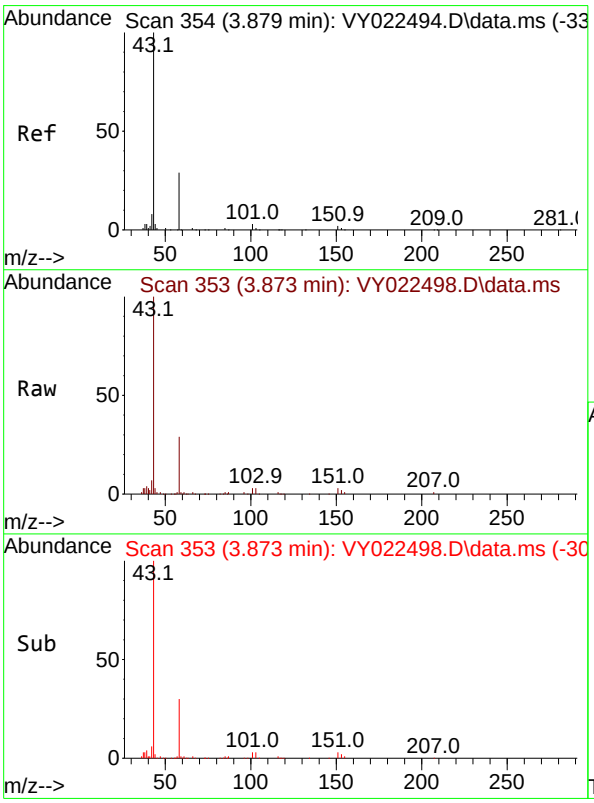
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	37.5	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

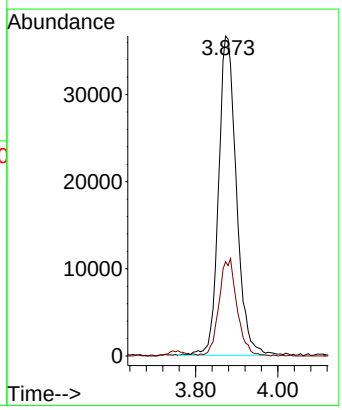
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

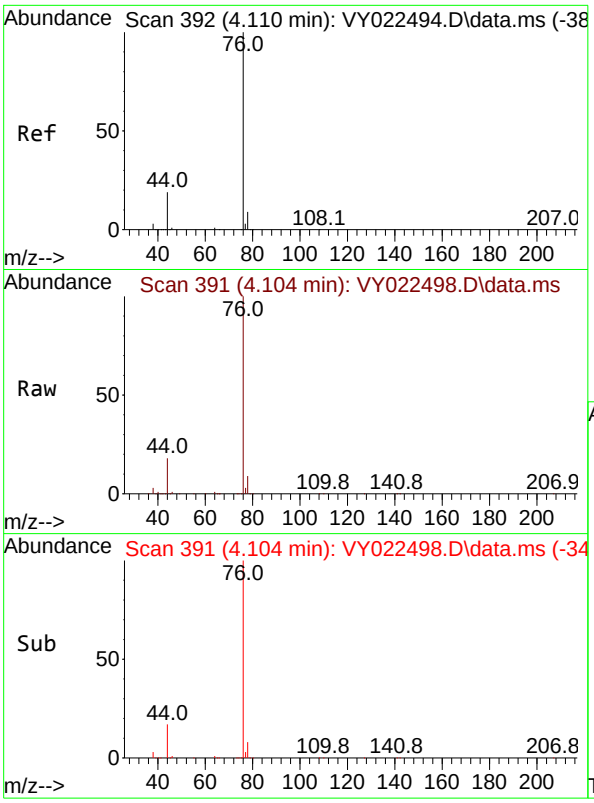


#16
Acetone
Concen: 221.854 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 110479

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.0	36.0

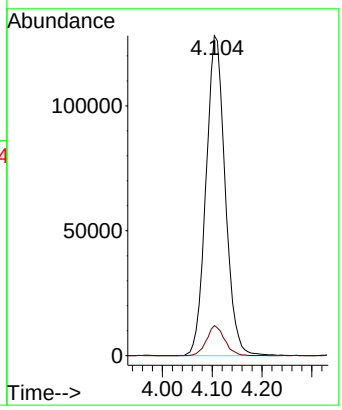




#17
Carbon Disulfide
Concen: 46.432 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 76 Resp: 34177

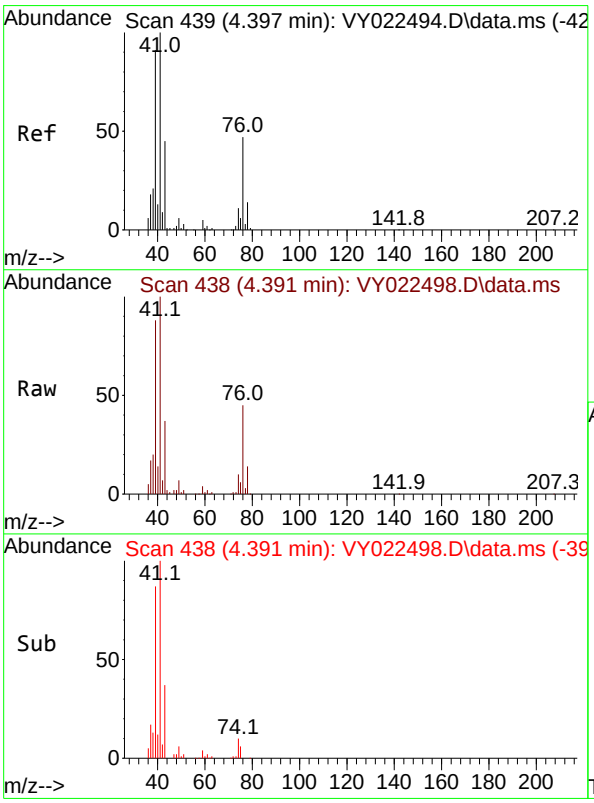
Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

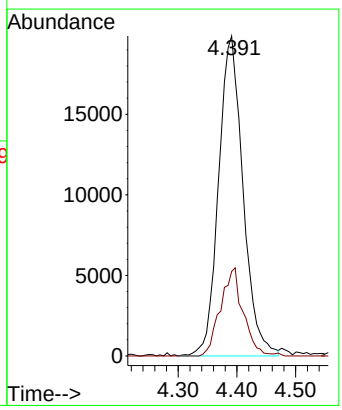
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

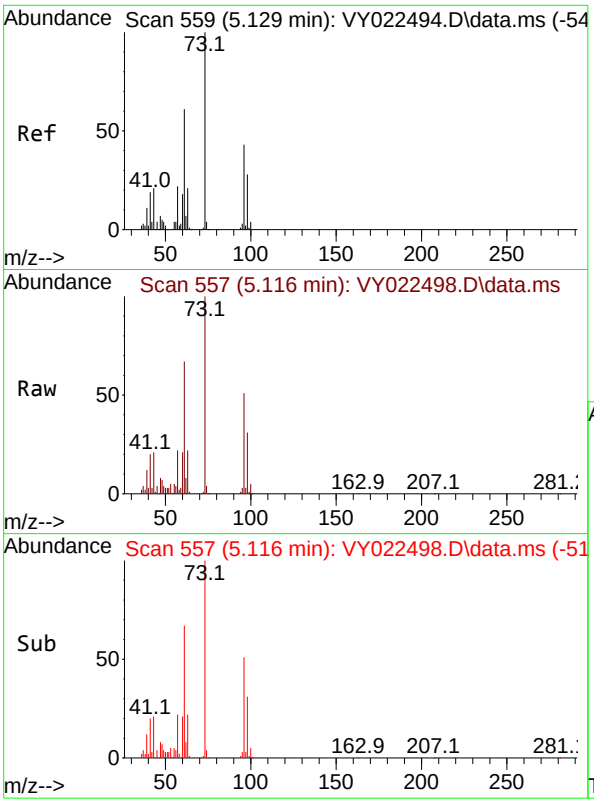


#18
Methyl Acetate
Concen: 38.935 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 57416

Ion	Ratio	Lower	Upper
43	100		
74	25.6	19.8	29.6

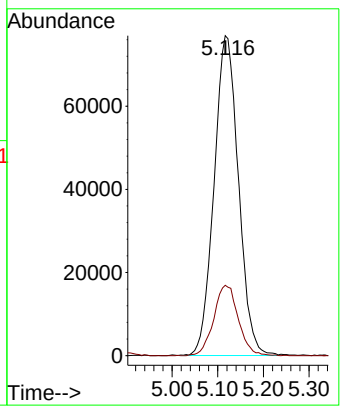




#19
Methyl tert-butyl Ether
Concen: 43.974 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 73 Resp: 28476

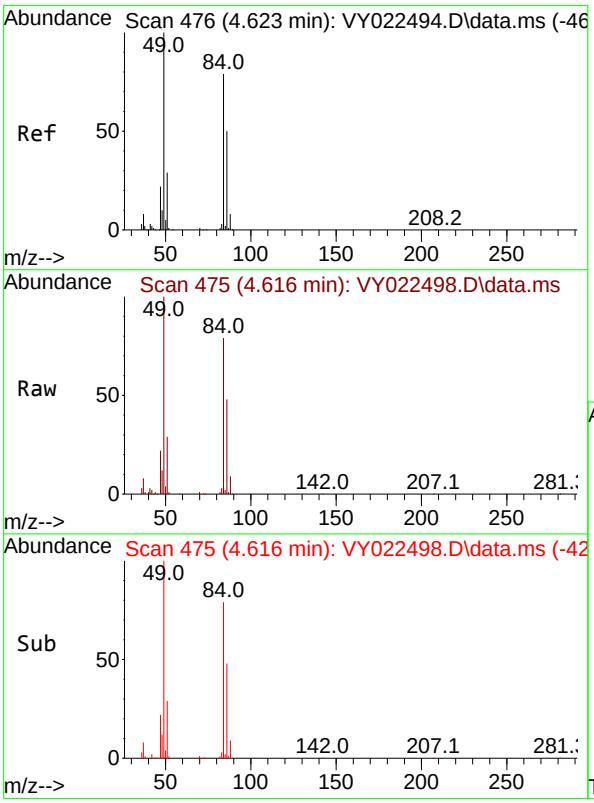
Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

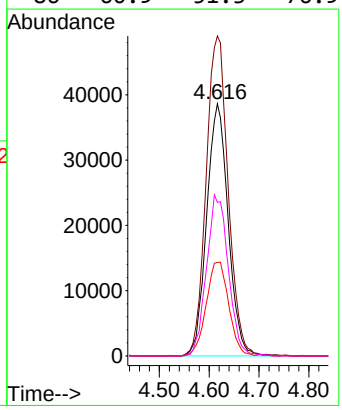
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

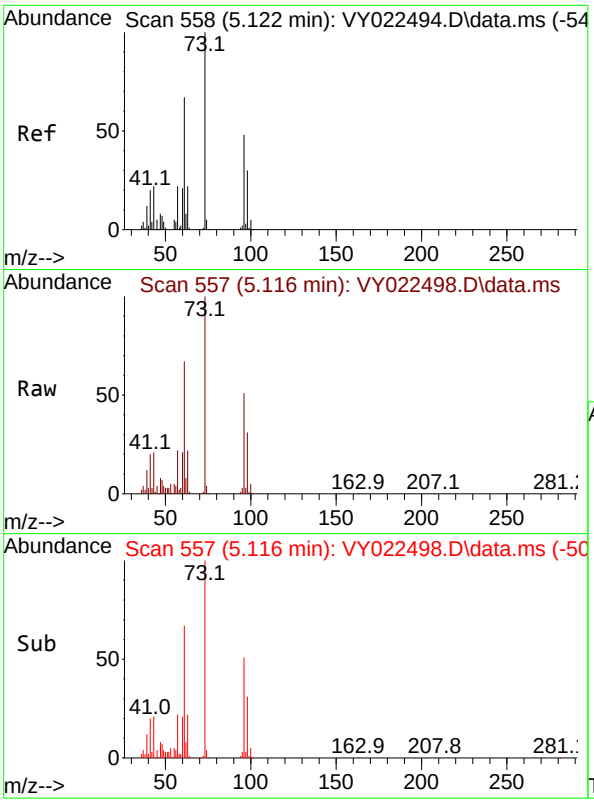


#20
Methylene Chloride
Concen: 40.875 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 84 Resp: 115624

Ion	Ratio	Lower	Upper
84	100		
49	126.9	101.9	152.9
51	37.1	29.8	44.8
86	60.9	51.3	76.9

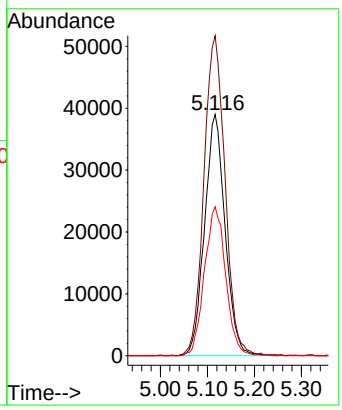




#21
trans-1,2-Dichloroethene
Concen: 46.024 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 96 Resp: 11842

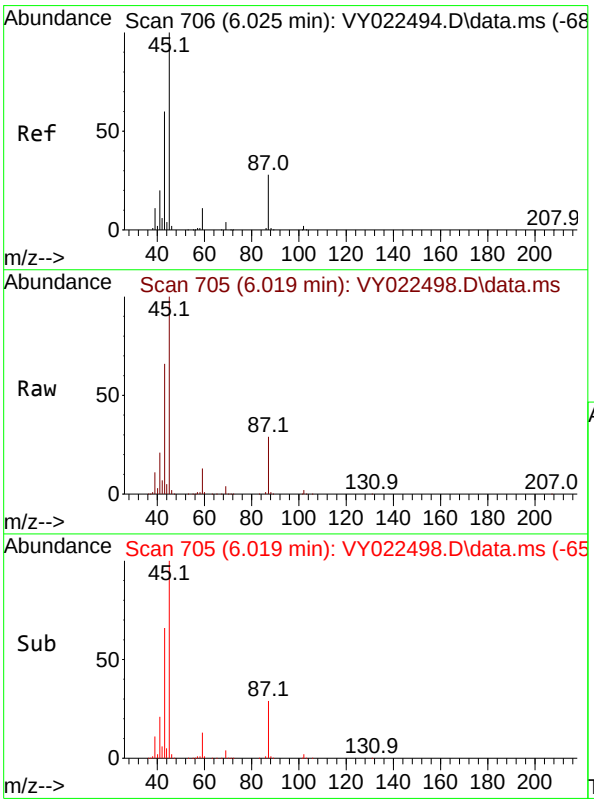
Ion	Ratio	Lower	Upper
96	100		
61	132.6	112.6	169.0
98	61.8	50.6	75.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

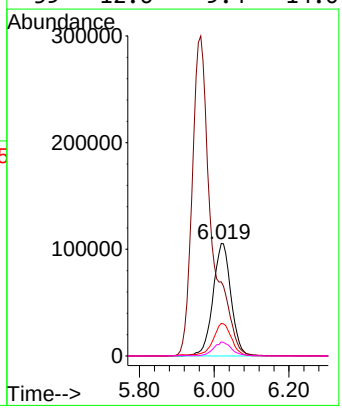
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

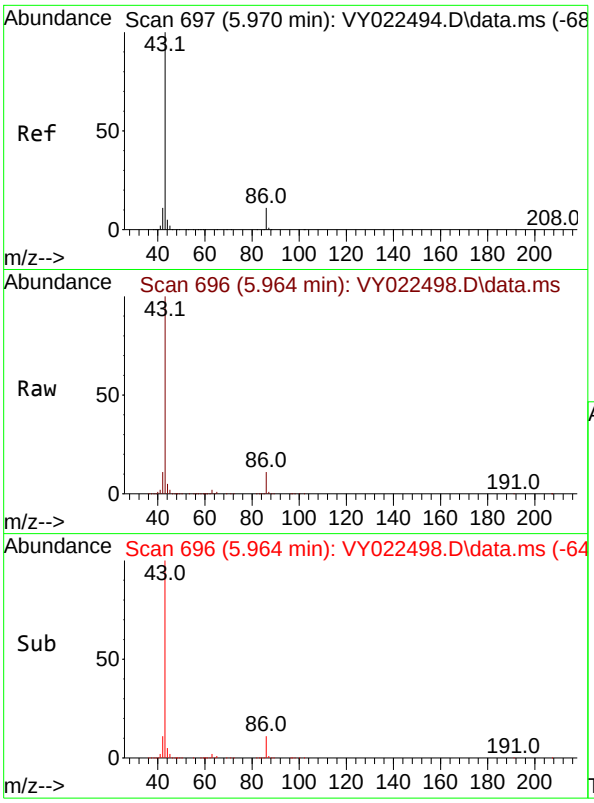


#22
Diisopropyl ether
Concen: 44.104 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 45 Resp: 354328

Ion	Ratio	Lower	Upper
45	100		
43	65.4	48.3	72.5
87	28.8	23.0	34.6
59	12.6	9.4	14.0





#23
Vinyl Acetate
Concen: 223.951 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

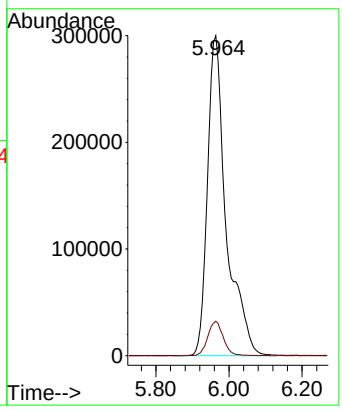
Tgt Ion: 43 Resp: 106489

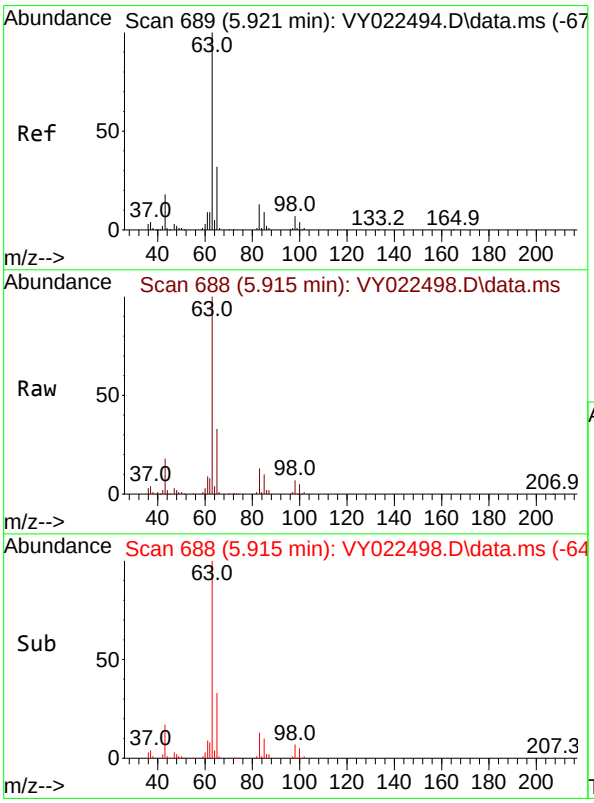
Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.6	12.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

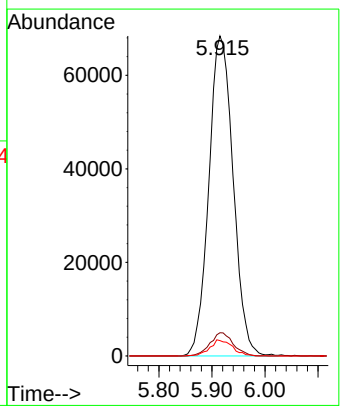


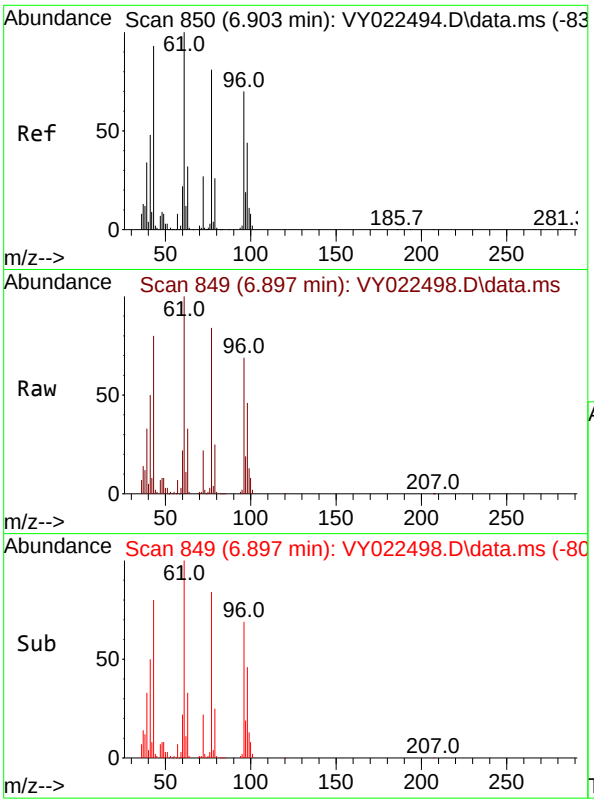


#24
1,1-Dichloroethane
Concen: 46.053 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 63 Resp: 217965

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.1
100	4.8	2.1	6.3





#25
2-Butanone
Concen: 220.736 ug/l
RT: 6.897 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

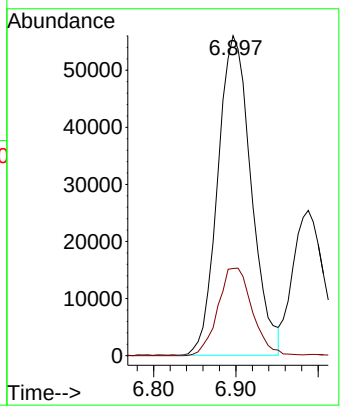
Tgt Ion: 43 Resp: 15855

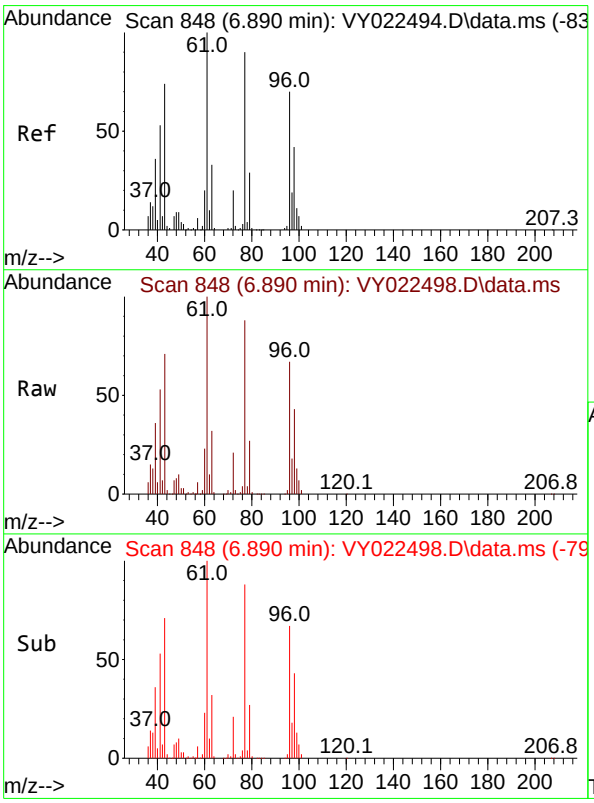
Ion	Ratio	Lower	Upper
43	100		
72	27.3	22.9	34.3

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

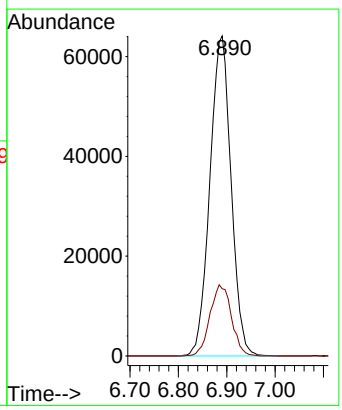


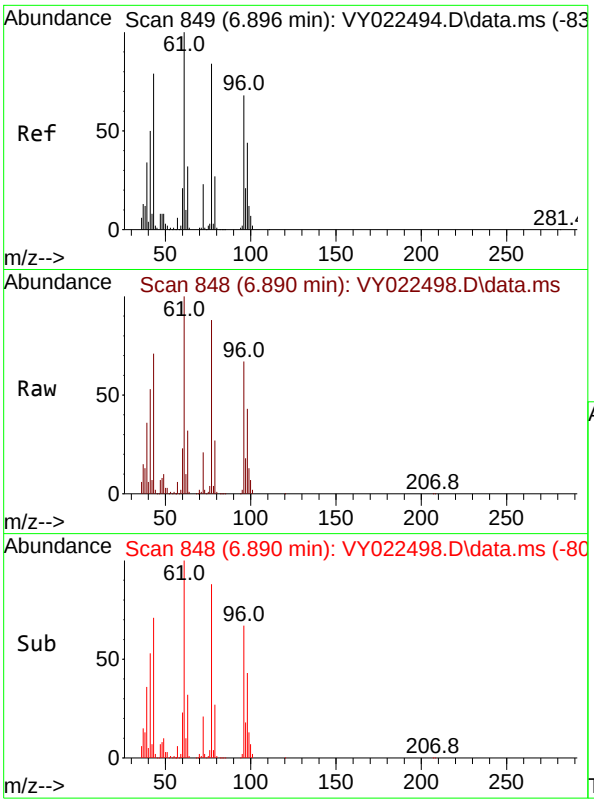


#26
2,2-Dichloropropane
Concen: 46.639 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 77 Resp: 195035

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.4	34.2





#27
cis-1,2-Dichloroethene
Concen: 46.024 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

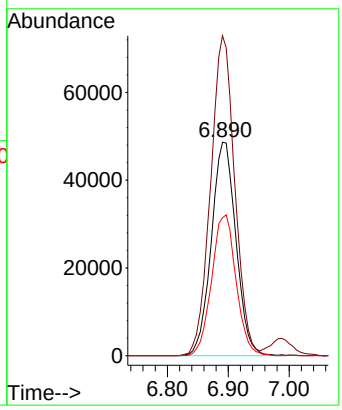
Tgt Ion: 96 Resp: 13688

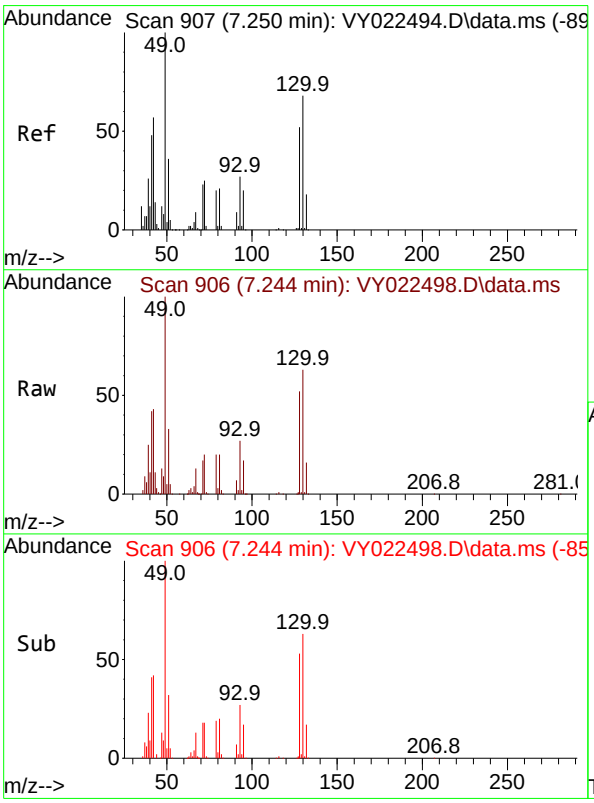
Ion	Ratio	Lower	Upper
96	100		
61	146.7	0.0	290.0
98	65.3	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

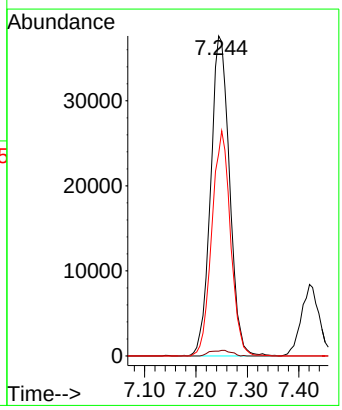


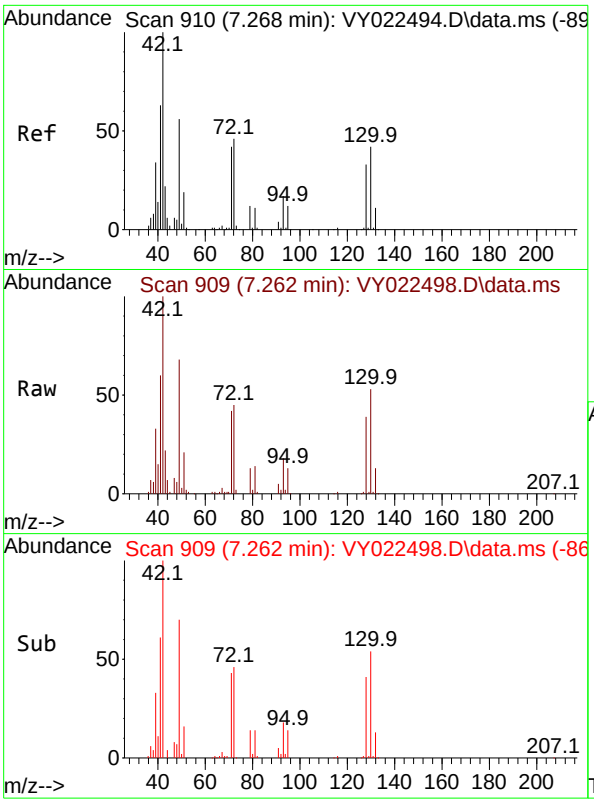


#28
Bromochloromethane
Concen: 46.547 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 49 Resp: 96031

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	69.6	55.7	83.5

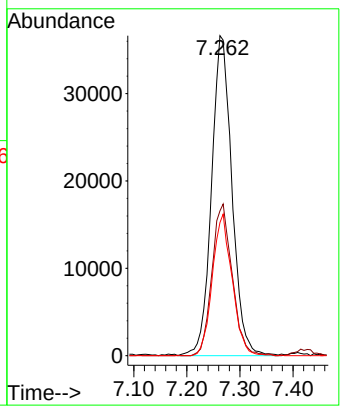




#29
Tetrahydrofuran
Concen: 211.767 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 42 Resp: 9810

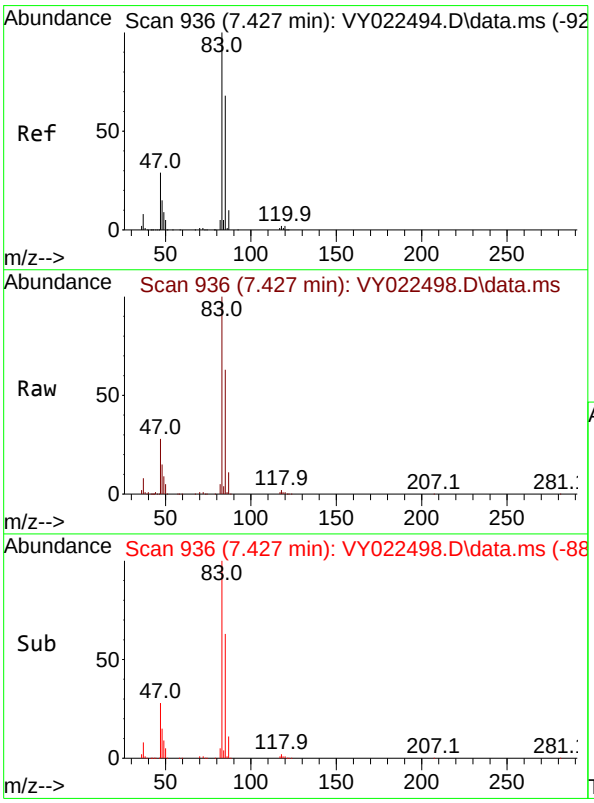
Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.4	56.2
71	42.7	34.2	51.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

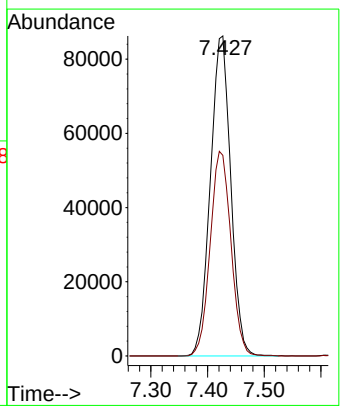
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

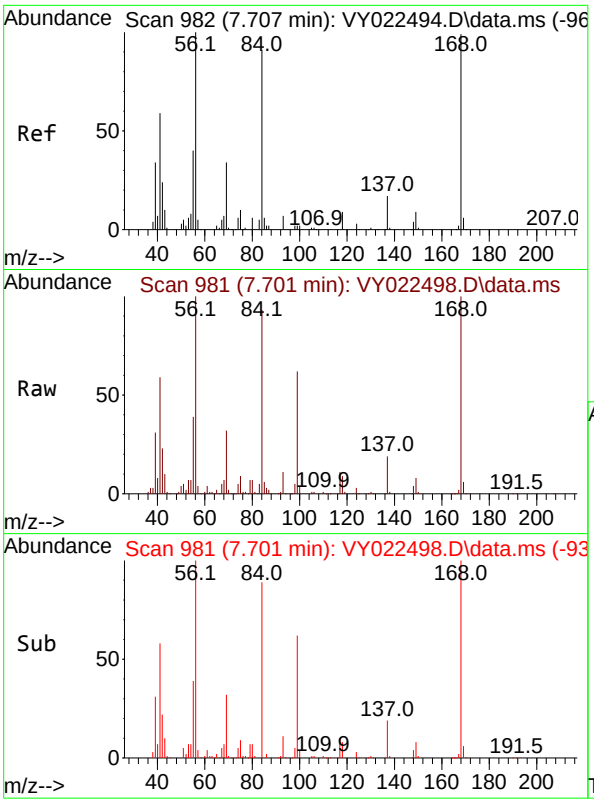


#30
Chloroform
Concen: 45.919 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 83 Resp: 215264

Ion	Ratio	Lower	Upper
83	100		
85	62.7	54.2	81.4

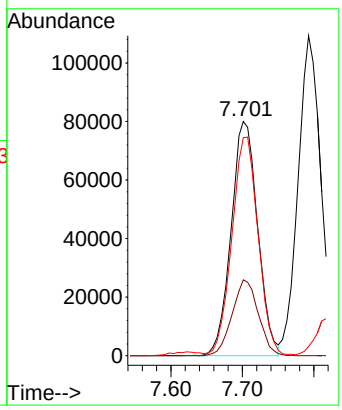




#31
Cyclohexane
Concen: 43.757 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 56 Resp: 20617

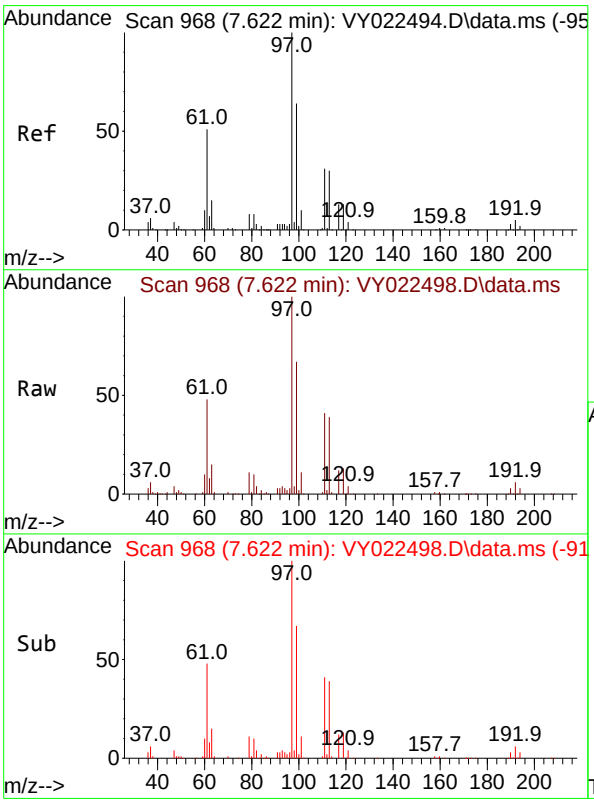
Ion	Ratio	Lower	Upper
56	100		
69	32.4	27.0	40.6
84	91.7	72.6	109.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

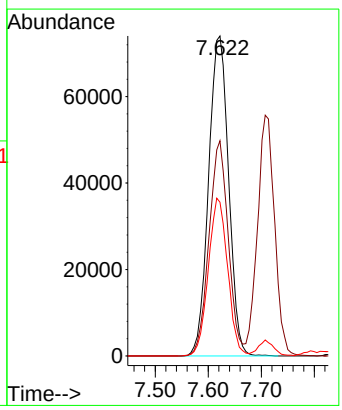
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

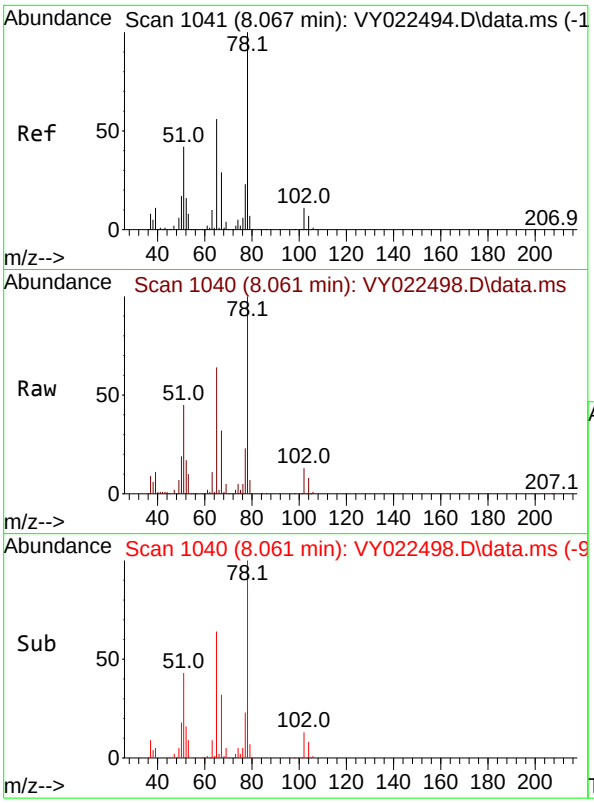


#32
1,1,1-Trichloroethane
Concen: 46.627 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 97 Resp: 194039

Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.9	76.3
61	47.8	38.5	57.7

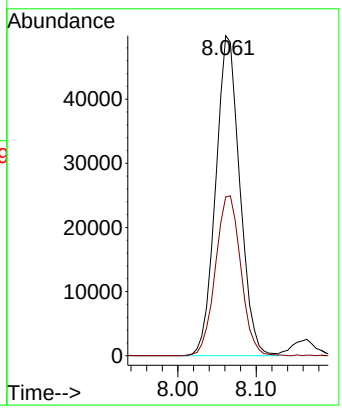




#33
1,2-Dichloroethane-d4
Concen: 43.538 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 65 Resp: 10675

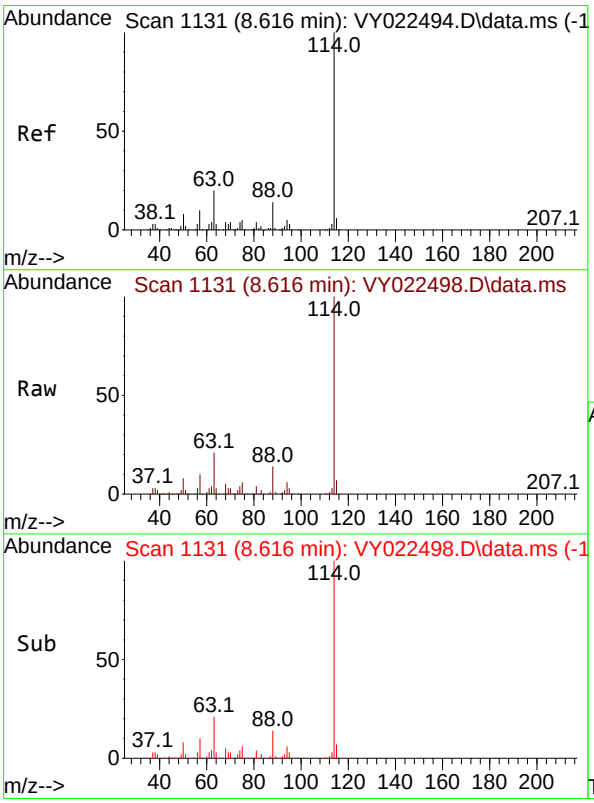
Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

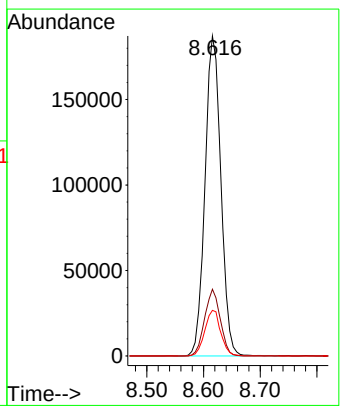
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

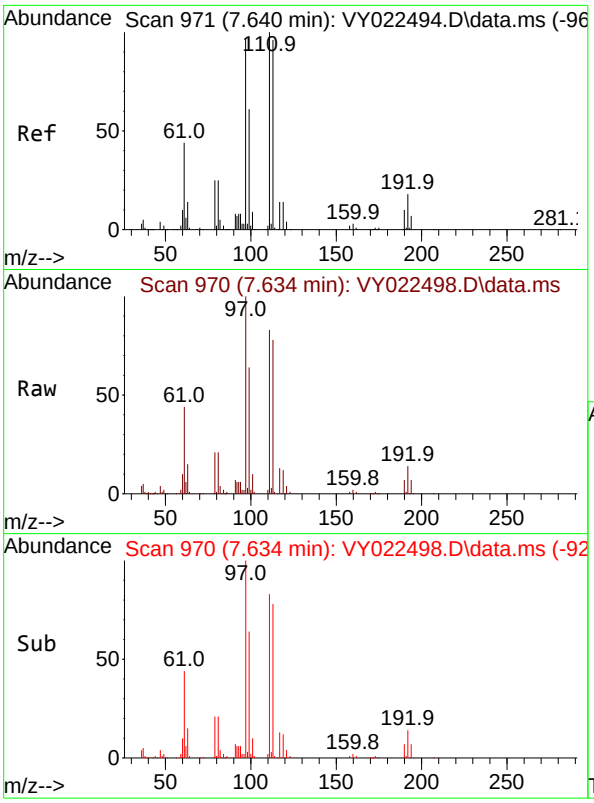


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:114 Resp: 365013

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	40.8
88	14.3	0.0	27.8

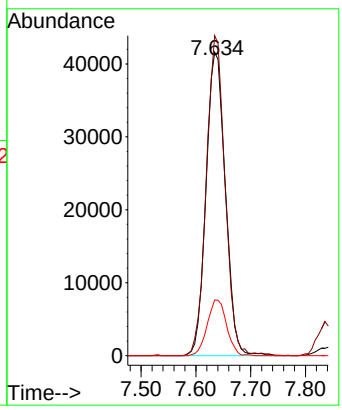




#35
Dibromofluoromethane
Concen: 46.676 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:113 Resp: 10169

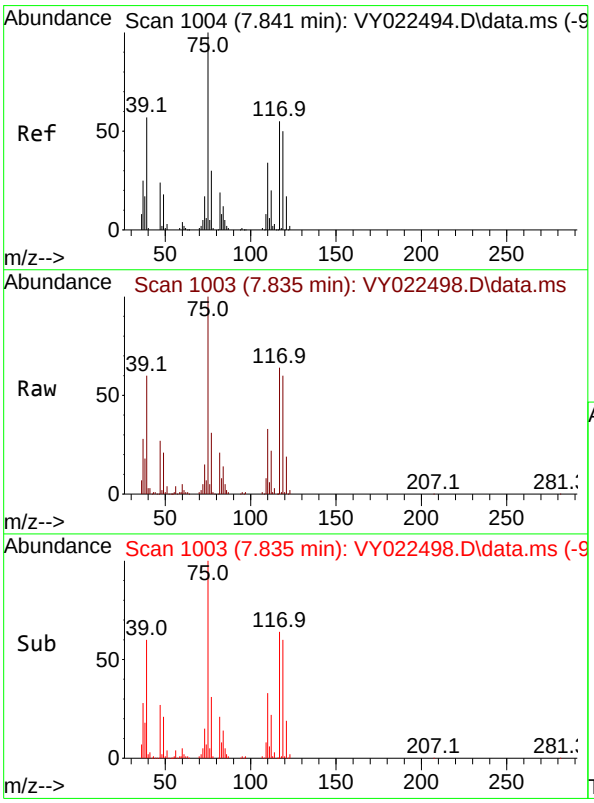
Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.1	121.7
192	18.4	14.2	21.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

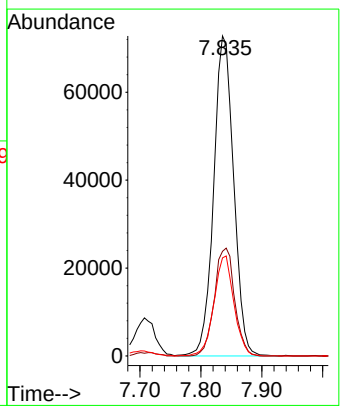
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

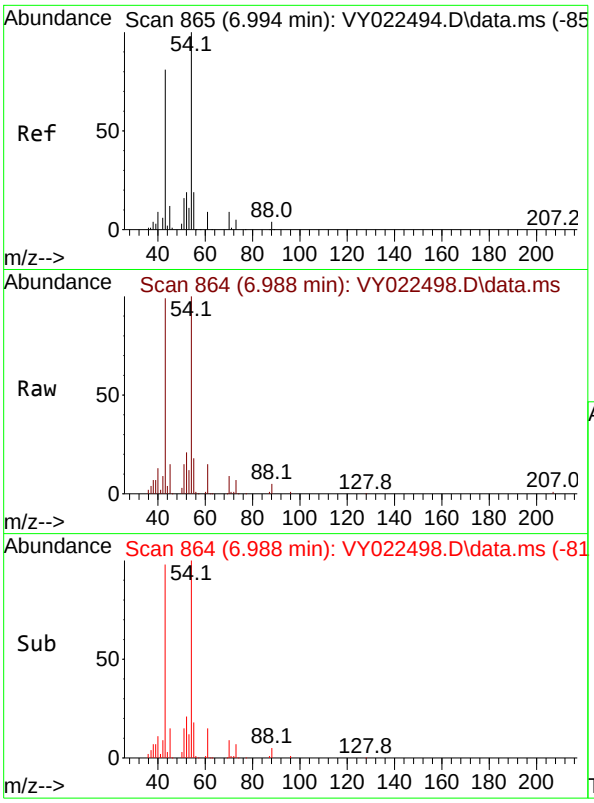


#36
1,1-Dichloropropene
Concen: 46.978 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 75 Resp: 166116

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.9	50.7
77	31.2	24.8	37.2

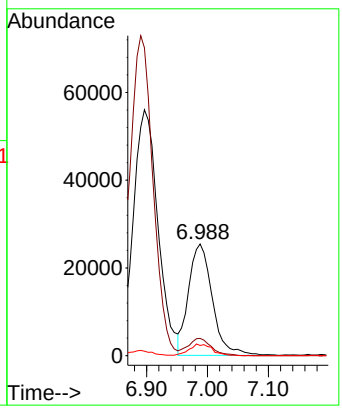




#37
Ethyl Acetate
Concen: 43.605 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 6876

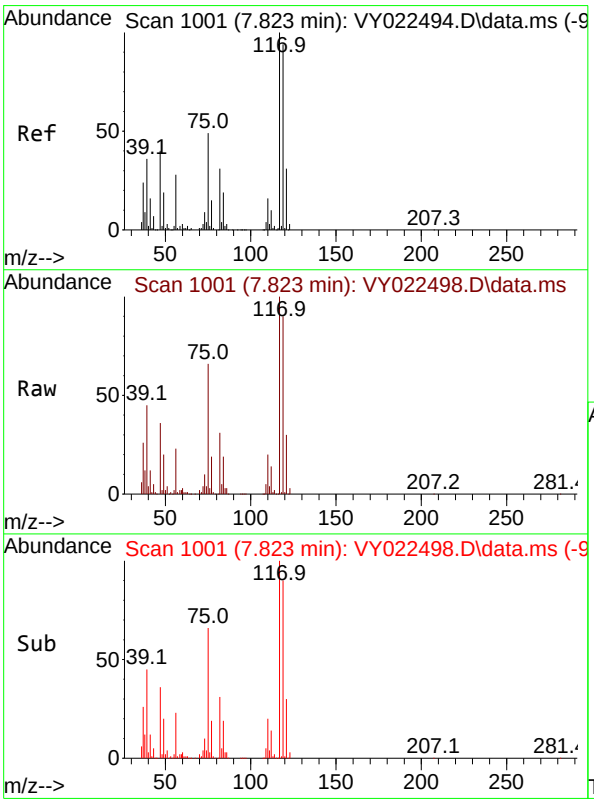
Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.5	17.3
70	10.1	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

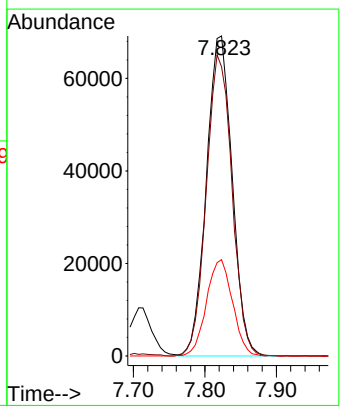
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

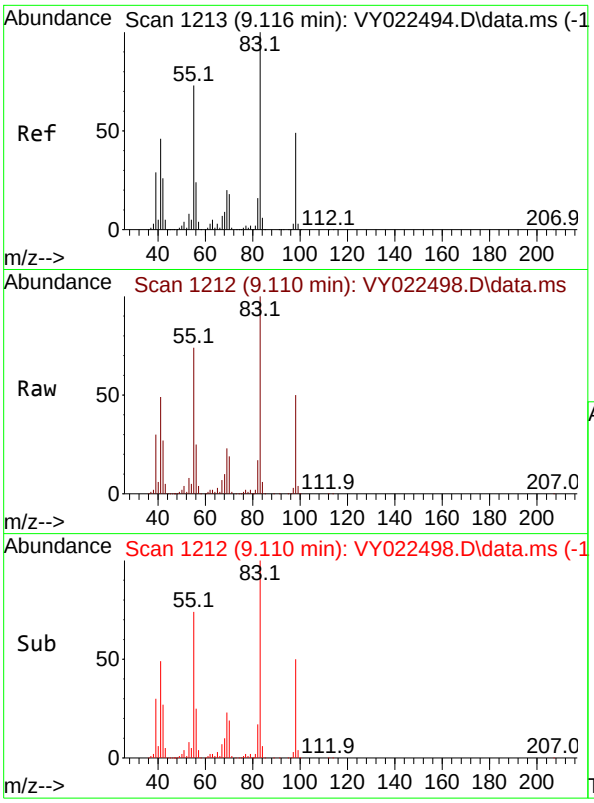


#38
Carbon Tetrachloride
Concen: 47.747 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:117 Resp: 173199

Ion	Ratio	Lower	Upper
117	100		
119	90.3	75.0	112.6
121	30.1	25.0	37.4





#39
Methylcyclohexane
Concen: 46.923 ug/l
RT: 9.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

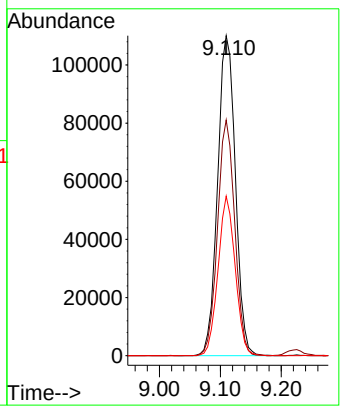
Tgt Ion: 83 Resp: 22297

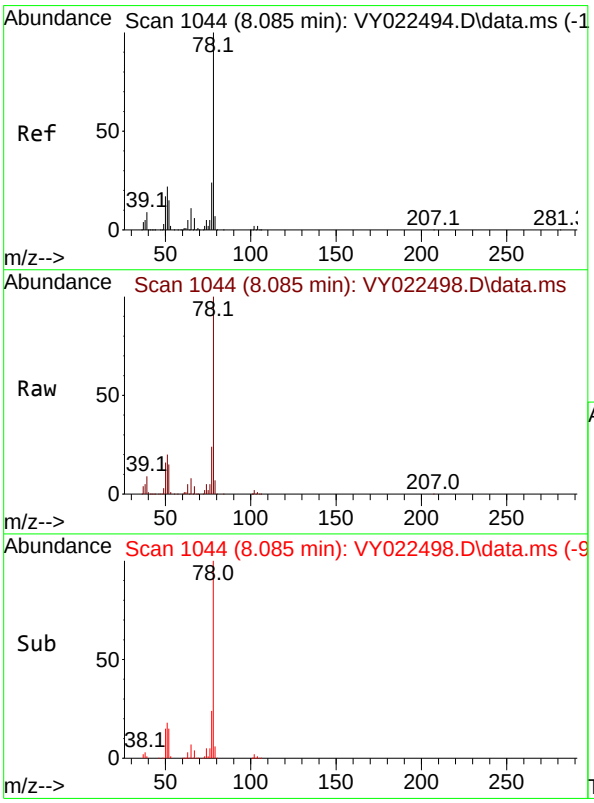
Ion	Ratio	Lower	Upper
83	100		
55	73.7	58.1	87.1
98	49.9	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

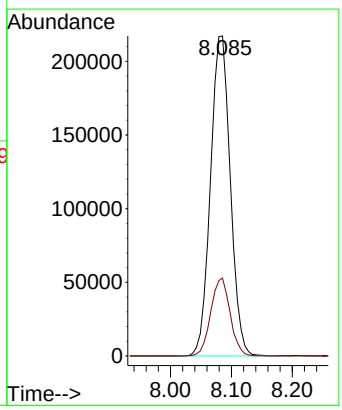


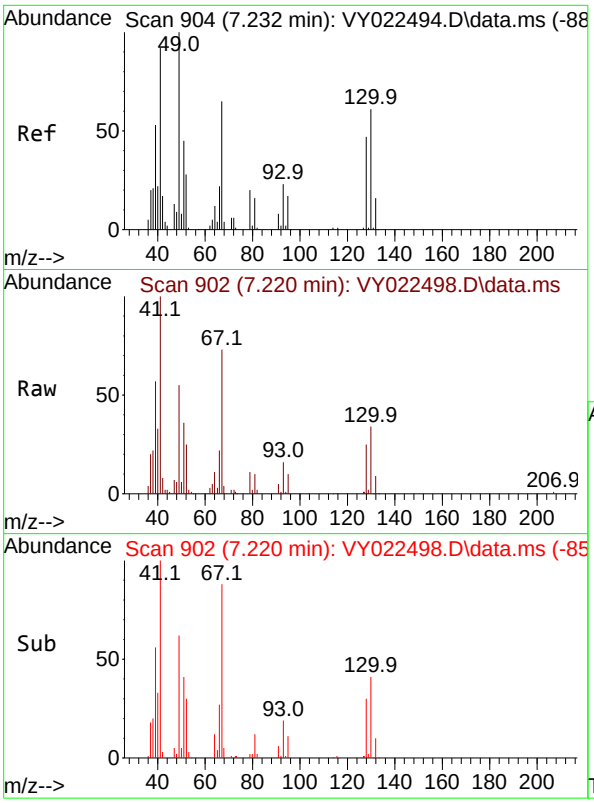


#40
Benzene
Concen: 47.020 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 78 Resp: 491078

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.3	28.9

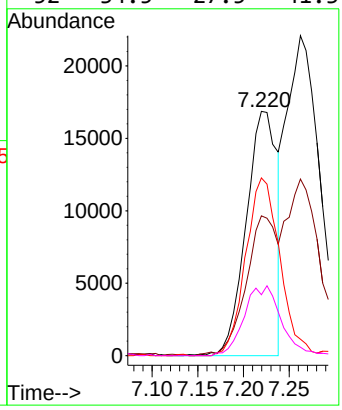




#41
Methacrylonitrile
Concen: 43.134 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 41 Resp: 3973

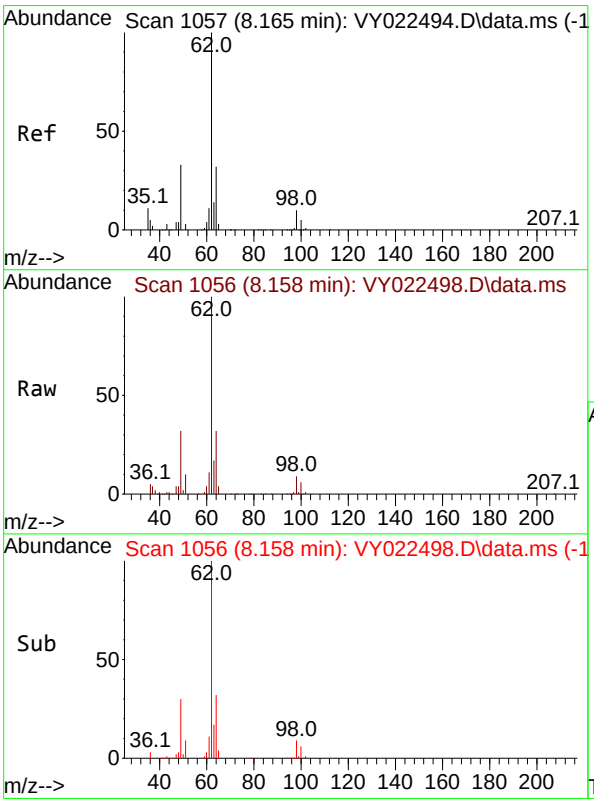
Ion	Ratio	Lower	Upper
41	100		
39	57.3	46.6	69.8
67	80.2	63.3	94.9
52	34.5	27.5	41.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

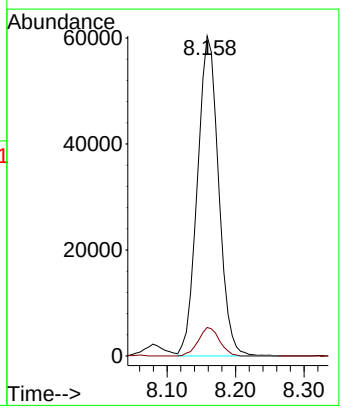
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

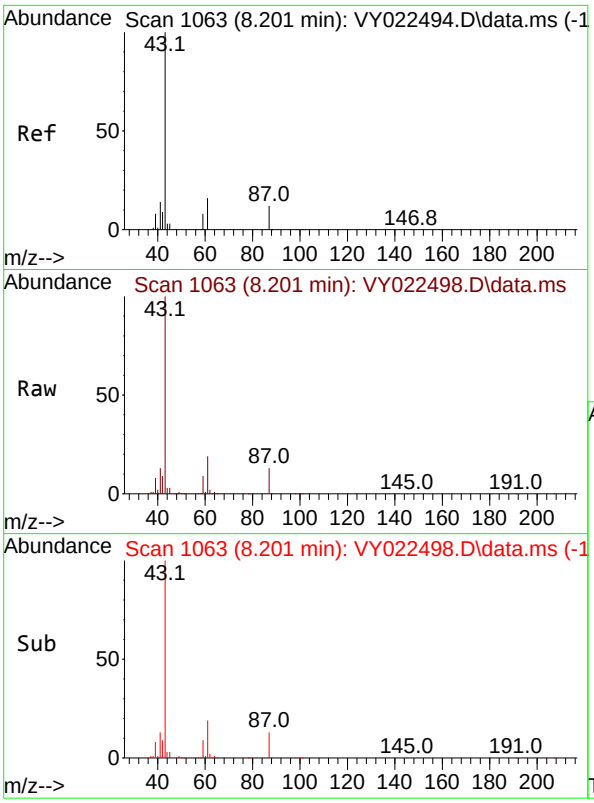


#42
1,2-Dichloroethane
Concen: 45.644 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 62 Resp: 130161

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	19.2

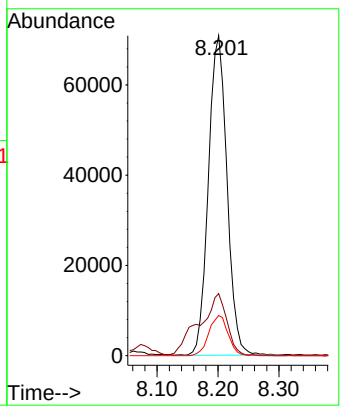




#43
Isopropyl Acetate
Concen: 44.122 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 15026

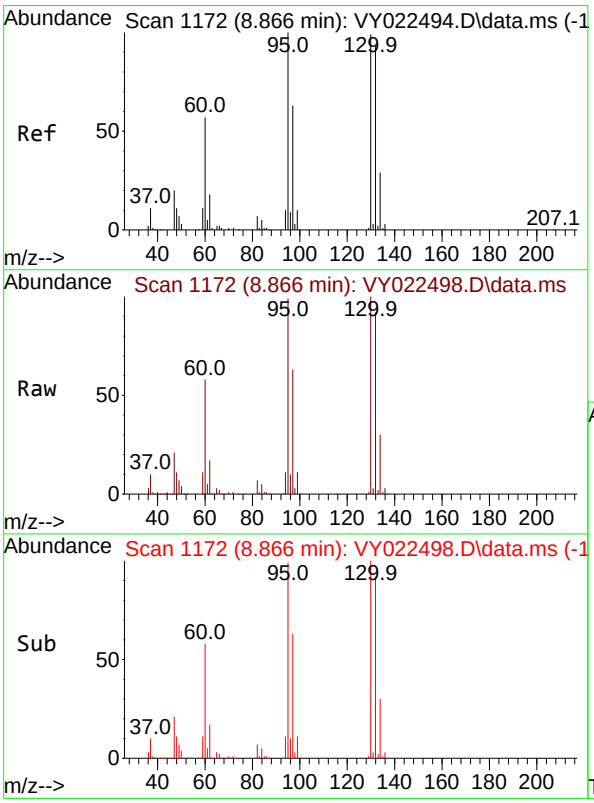
Ion	Ratio	Lower	Upper
43	100		
61	28.6	15.6	23.4
87	13.0	10.2	15.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

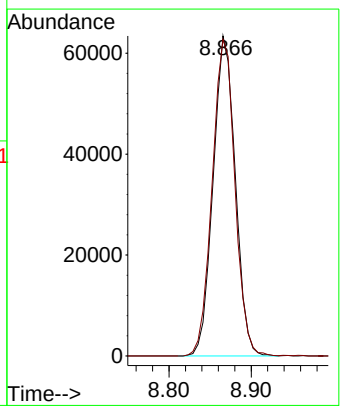
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

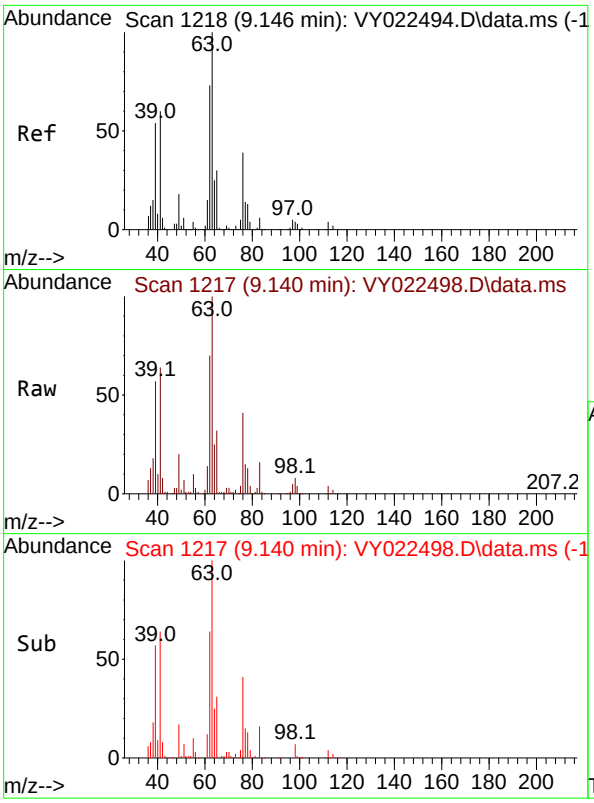


#44
Trichloroethene
Concen: 46.609 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:130 Resp: 118971

Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	203.0

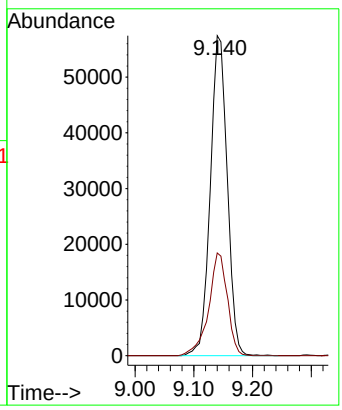




#45
1,2-Dichloropropane
Concen: 46.587 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 63 Resp: 11498

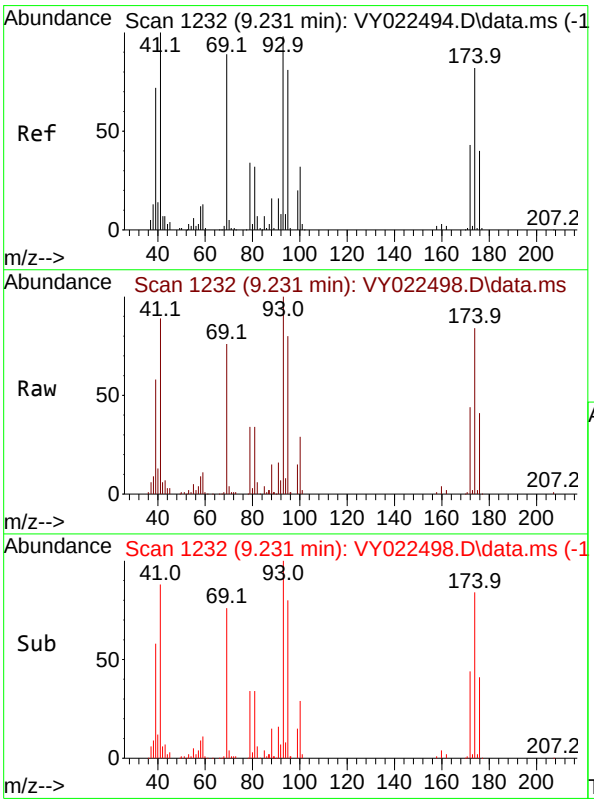
Ion	Ratio	Lower	Upper
63	100		
65	32.1	24.0	36.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

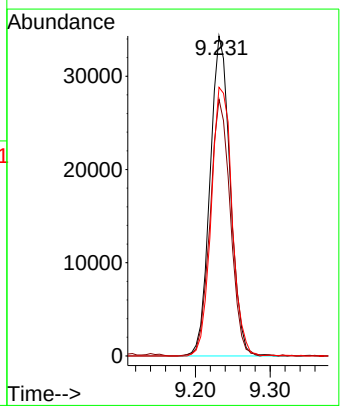
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

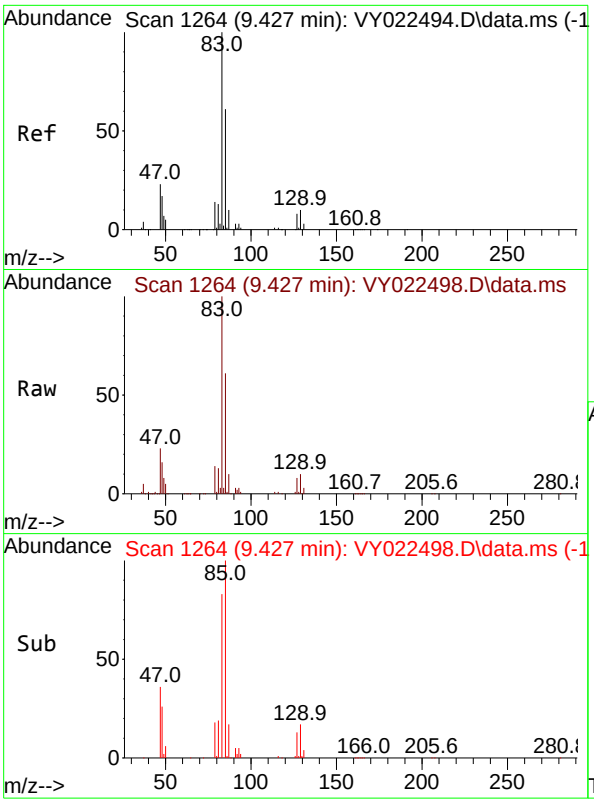


#46
Dibromomethane
Concen: 46.430 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 93 Resp: 64473

Ion	Ratio	Lower	Upper
93	100		
95	80.2	65.6	98.4
174	86.4	70.4	105.6

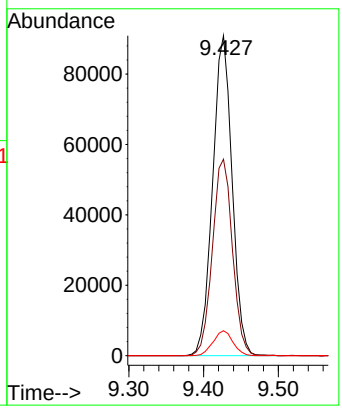




#47
Bromodichloromethane
Concen: 46.825 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 83 Resp: 16487

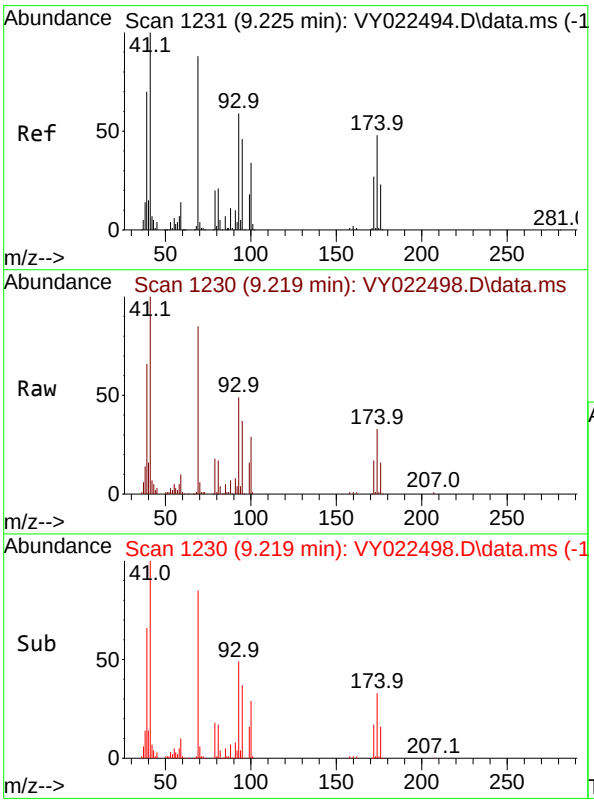
Ion	Ratio	Lower	Upper
83	100		
85	61.4	49.1	73.7
127	7.8	6.2	9.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

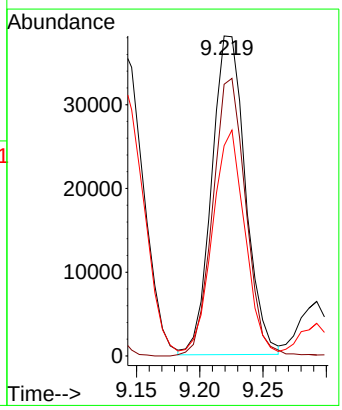
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

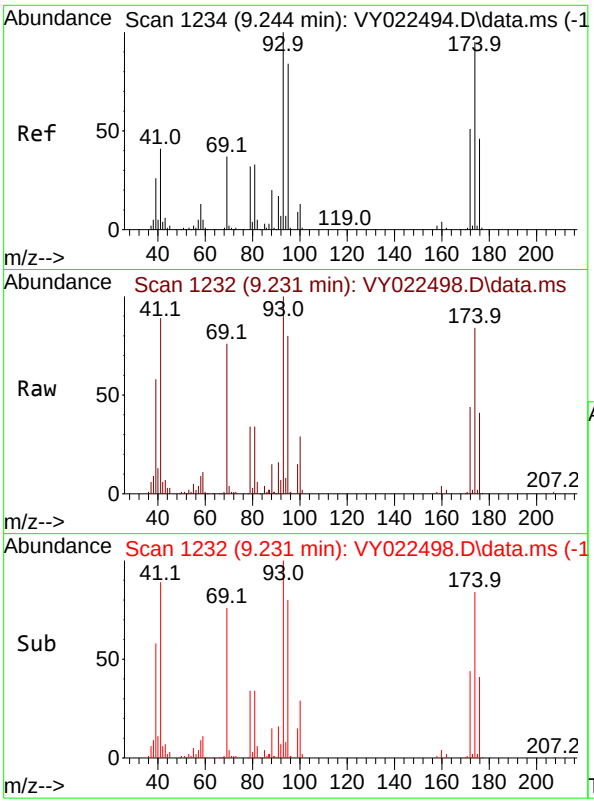


#48
Methyl methacrylate
Concen: 44.198 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 41 Resp: 70644

Ion	Ratio	Lower	Upper
41	100		
69	85.1	67.8	101.8
39	65.9	55.0	82.4





#49
1,4-Dioxane
Concen: 816.553 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

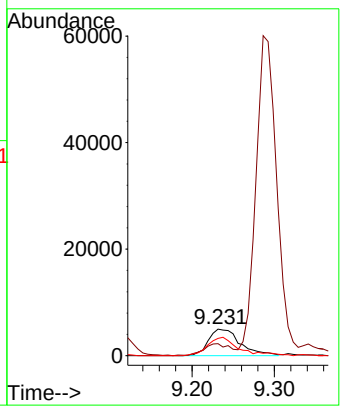
Tgt Ion: 88 Resp: 1343

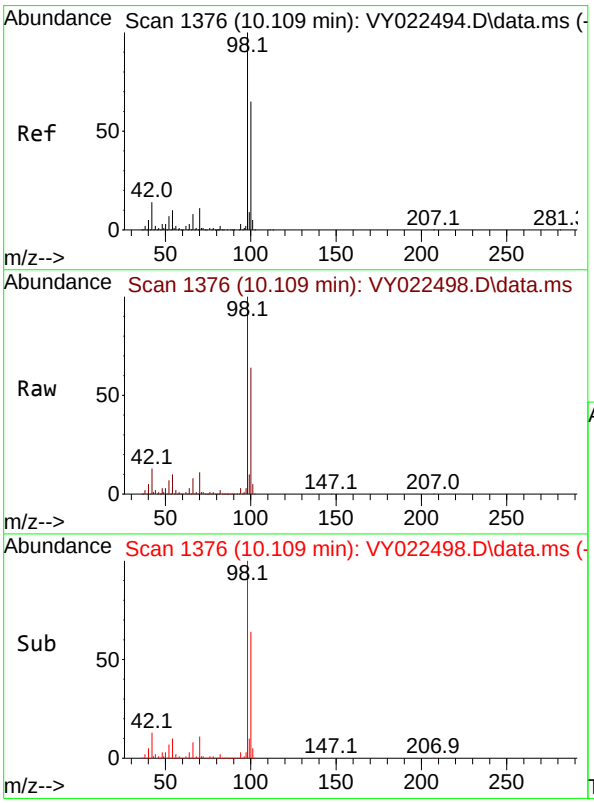
Ion	Ratio	Lower	Upper
88	100		
43	39.1	25.4	38.2
58	67.7	54.9	82.3

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

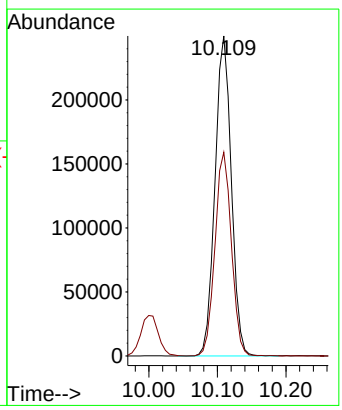


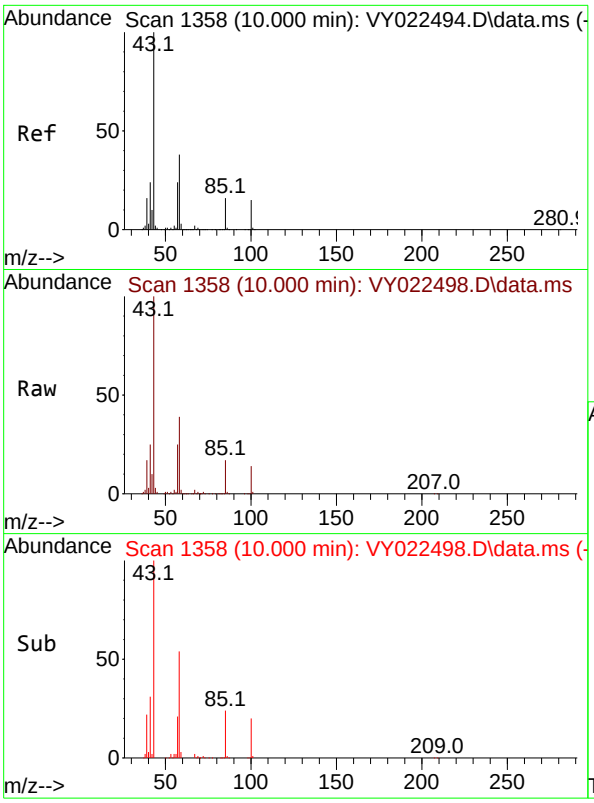


#50
Toluene-d8
Concen: 46.760 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 98 Resp: 411640

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.0

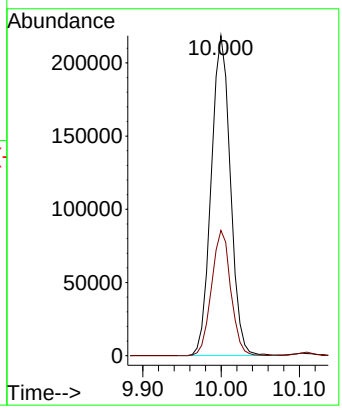




#51
4-Methyl-2-Pentanone
Concen: 219.250 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 37227

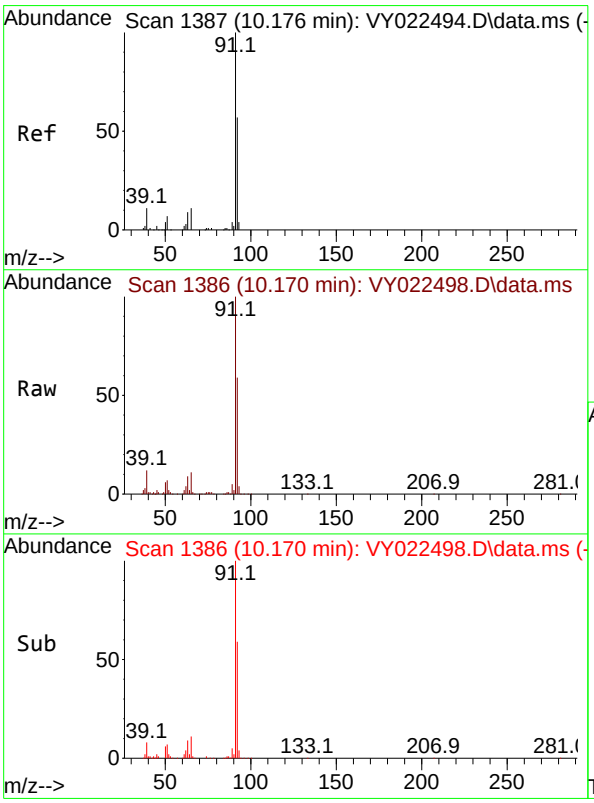
Ion	Ratio	Lower	Upper
43	100		
58	39.2	30.4	45.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

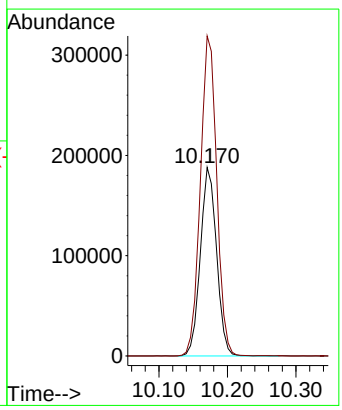
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

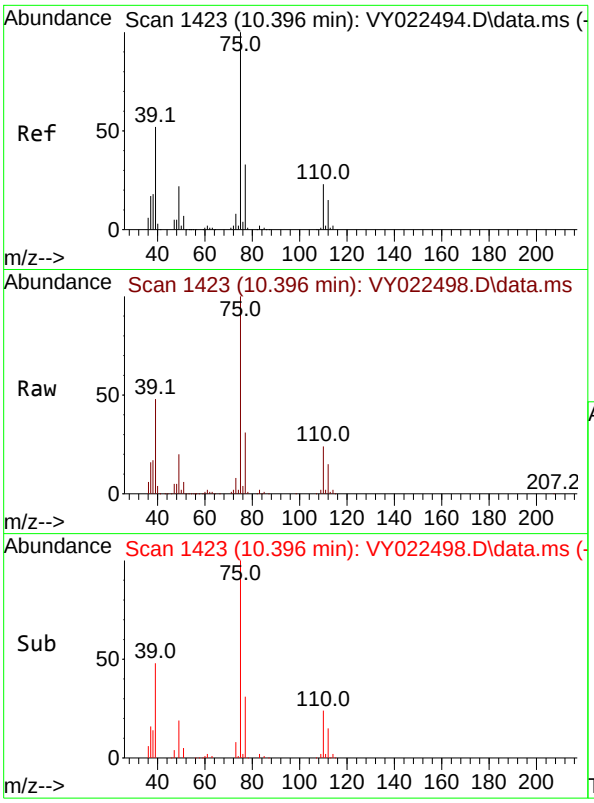


#52
Toluene
Concen: 47.137 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 92 Resp: 309375

Ion	Ratio	Lower	Upper
92	100		
91	171.7	139.0	208.4

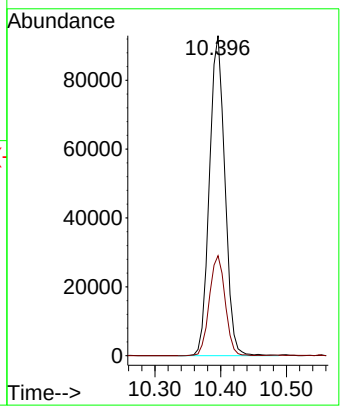




#53
t-1,3-Dichloropropene
Concen: 46.094 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 75 Resp: 15206

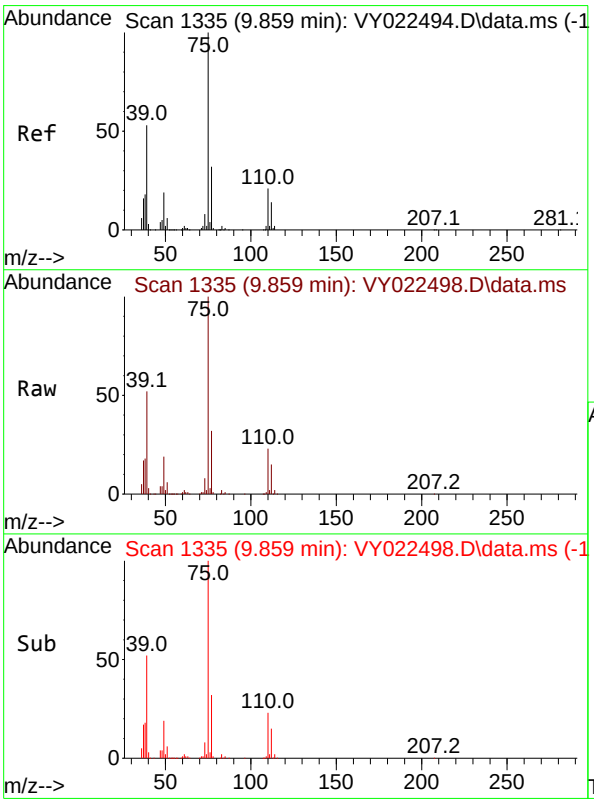
Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

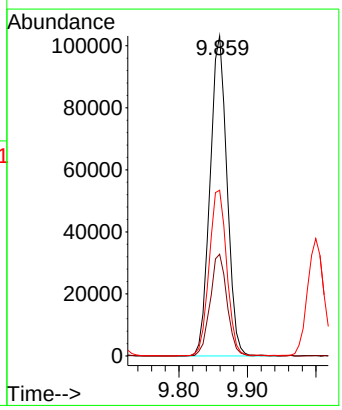
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

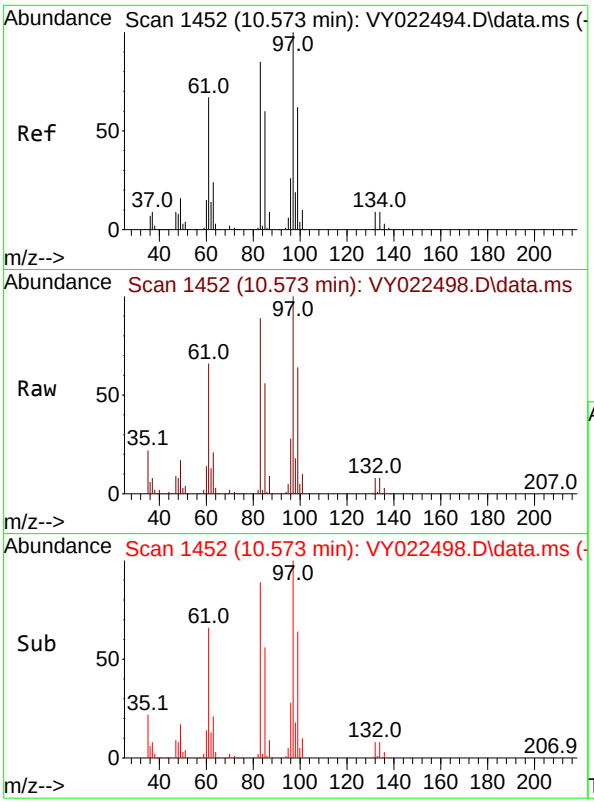


#54
cis-1,3-Dichloropropene
Concen: 46.206 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 75 Resp: 177445

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.3	37.9
39	51.6	42.7	64.1

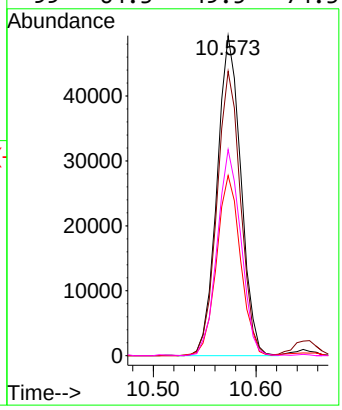




#55
1,1,2-Trichloroethane
Concen: 44.953 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 97 Resp: 7959

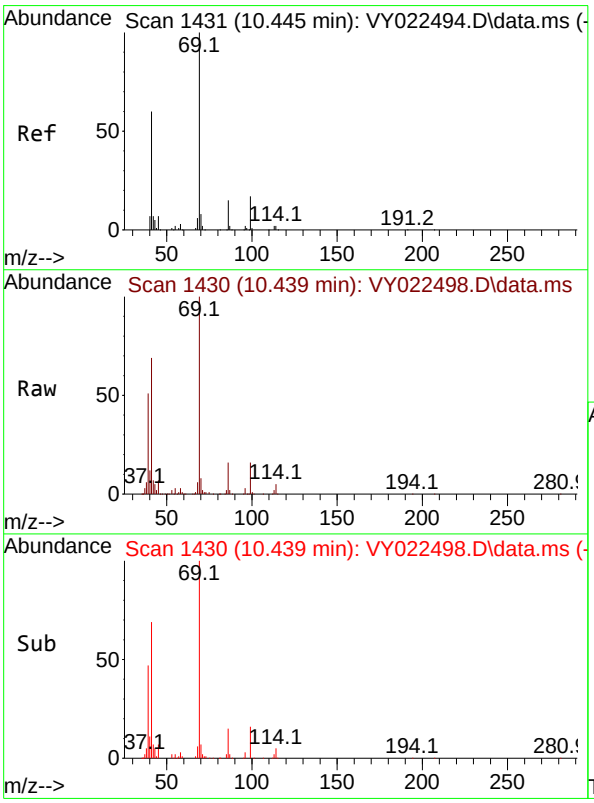
Ion	Ratio	Lower	Upper
97	100		
83	88.8	68.1	102.1
85	56.3	48.2	72.2
99	64.3	49.5	74.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

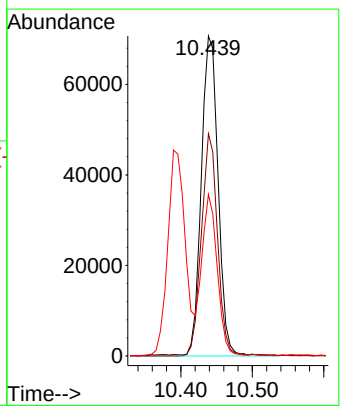
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

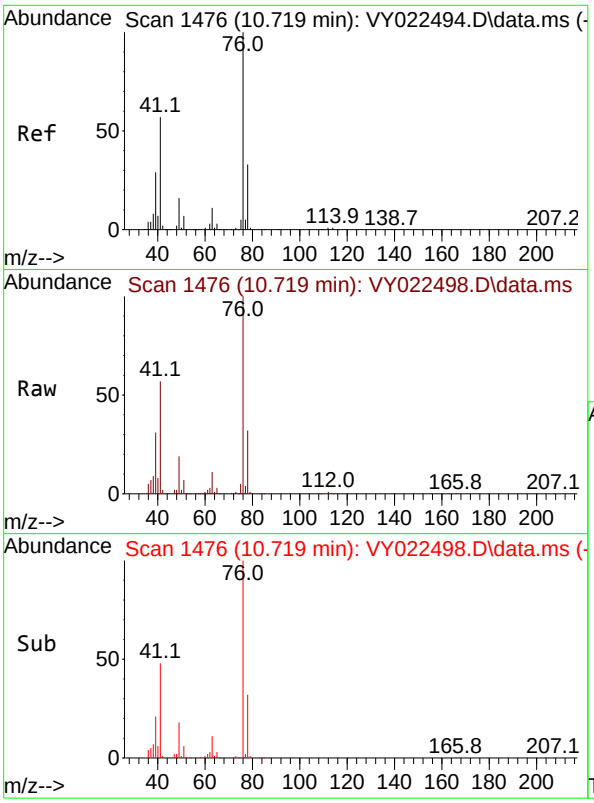


#56
Ethyl methacrylate
Concen: 45.029 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 69 Resp: 115237

Ion	Ratio	Lower	Upper
69	100		
41	65.8	52.2	78.2
39	45.6	36.7	55.1

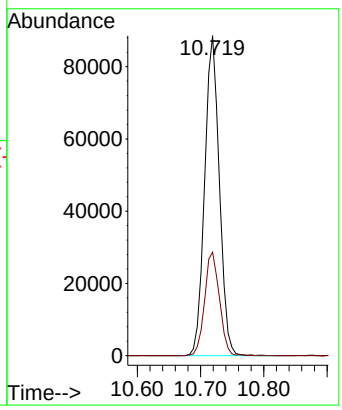




#57
1,3-Dichloropropane
Concen: 45.696 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 76 Resp: 14340

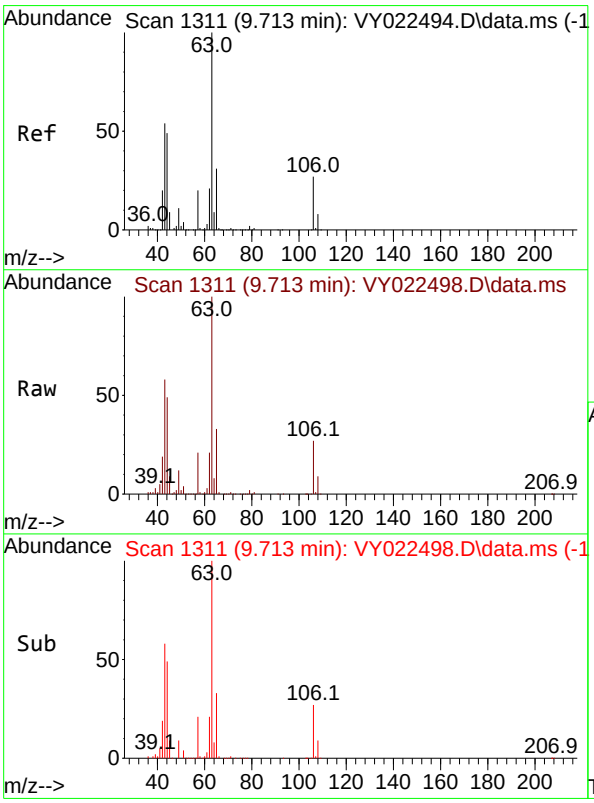
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

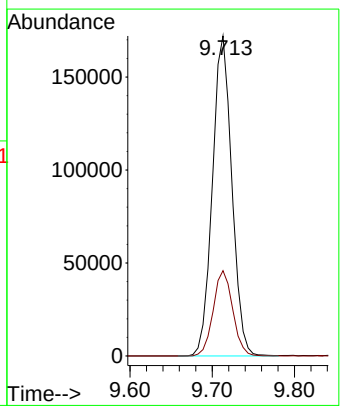
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

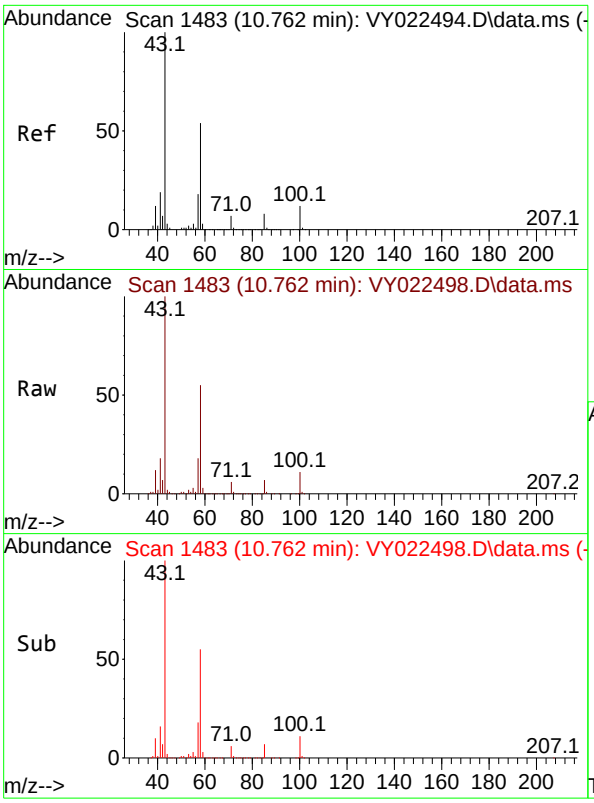


#58
2-Chloroethyl Vinyl ether
Concen: 243.746 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 63 Resp: 283213

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.6	32.4





#59
2-Hexanone
Concen: 220.088 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

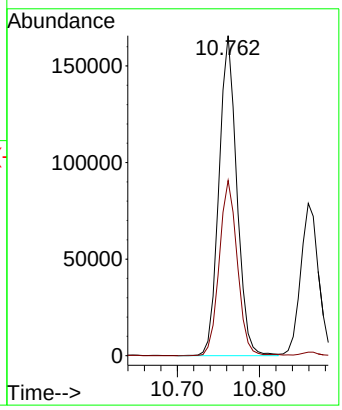
Tgt Ion: 43 Resp: 24992

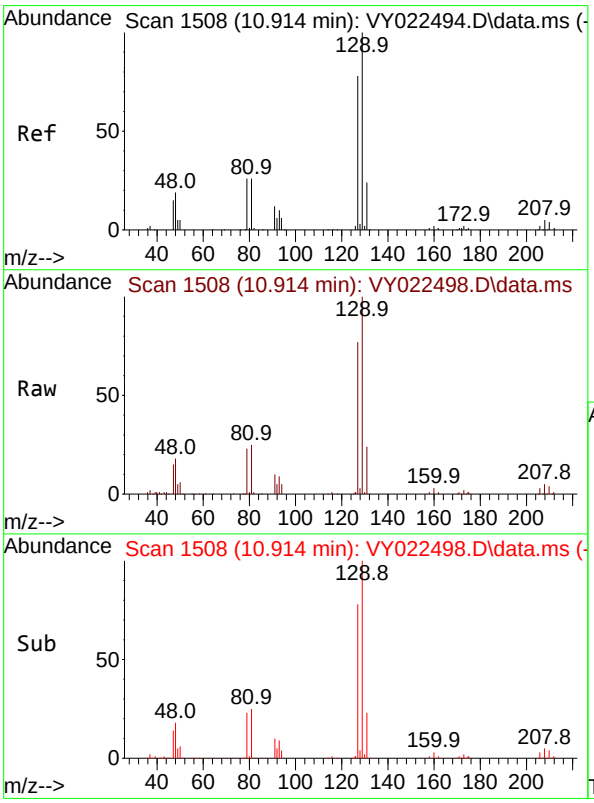
Ion	Ratio	Lower	Upper
43	100		
58	55.5	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

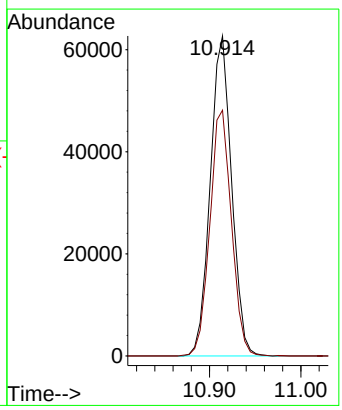


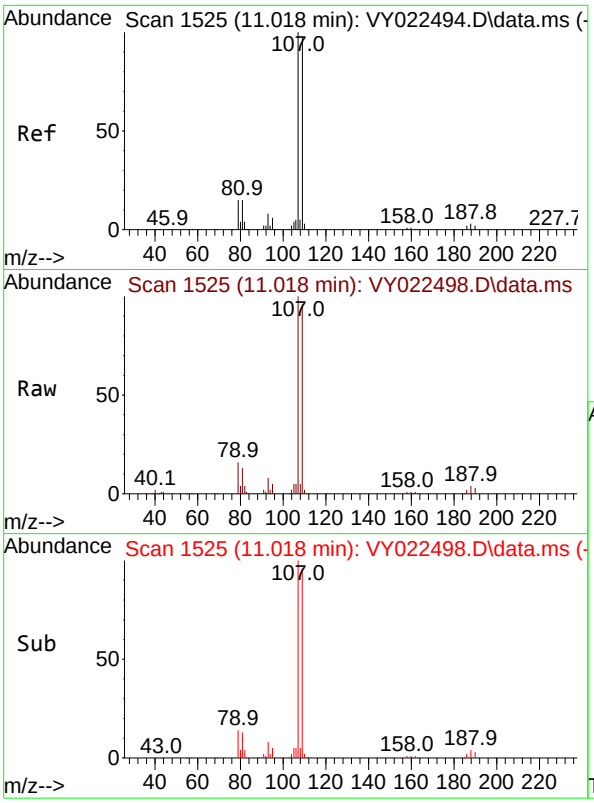


#60
Dibromochloromethane
Concen: 45.114 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:129 Resp: 101515

Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.1	117.2

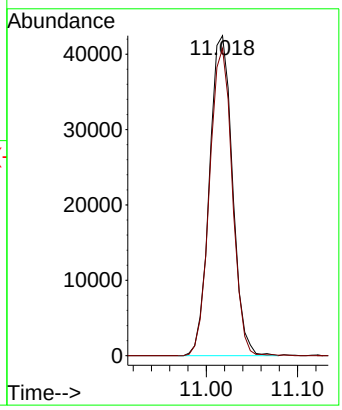




#61
1,2-Dibromoethane
Concen: 45.960 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:107 Resp: 7417

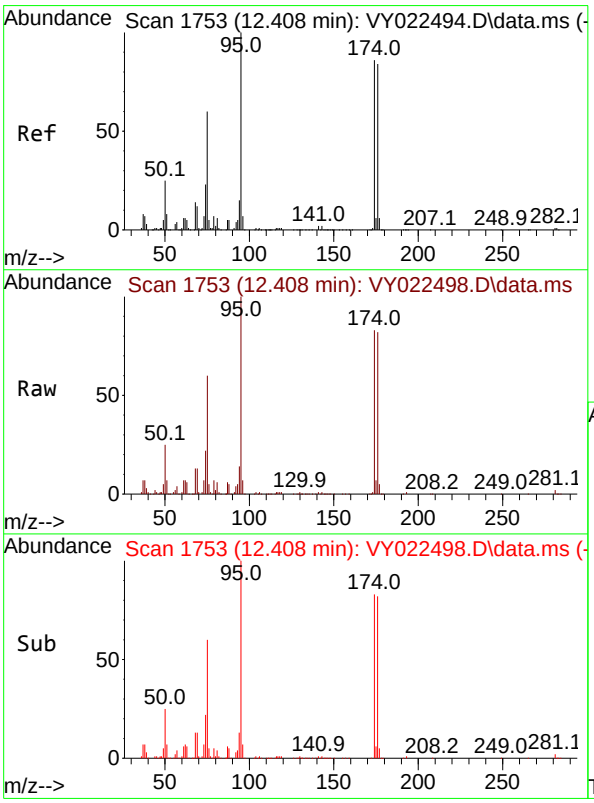
Ion	Ratio	Lower	Upper
107	100		
109	94.5	77.7	116.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

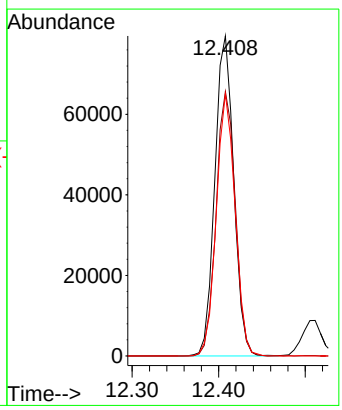
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

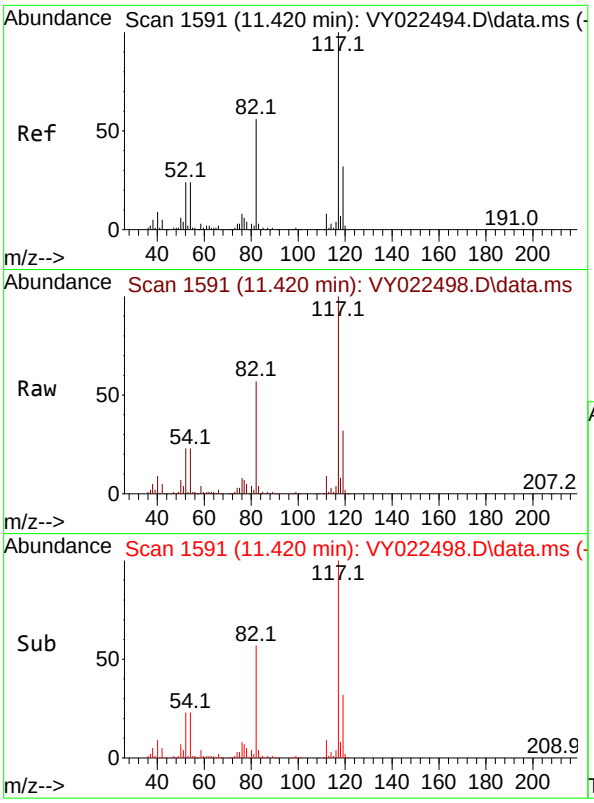


#62
4-Bromofluorobenzene
Concen: 45.847 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 95 Resp: 120253

Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	170.0
176	81.5	0.0	166.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

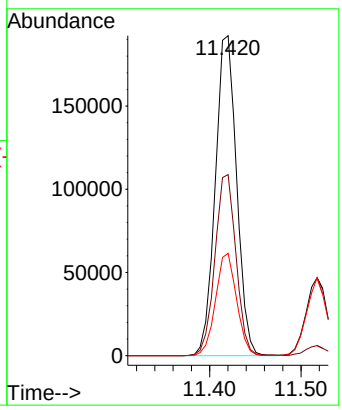
Tgt Ion:117 Resp: 31226

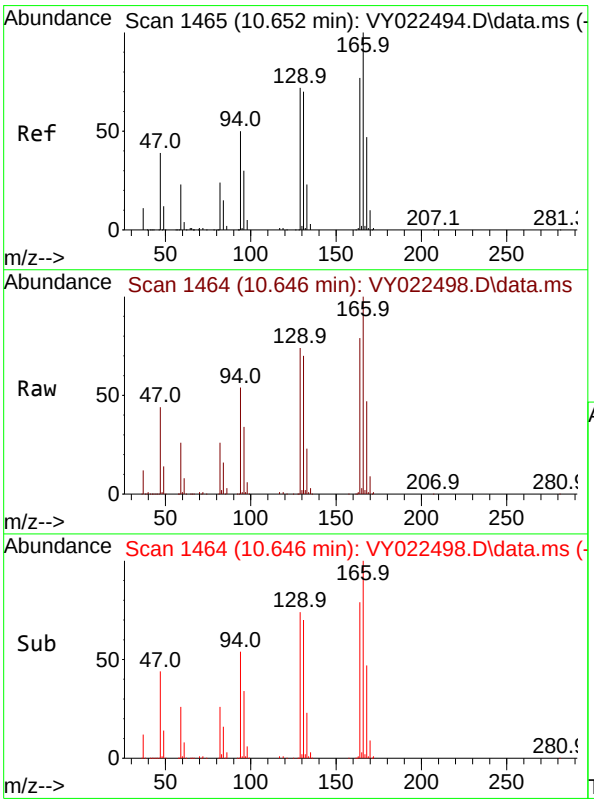
Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.6	66.8
119	32.0	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

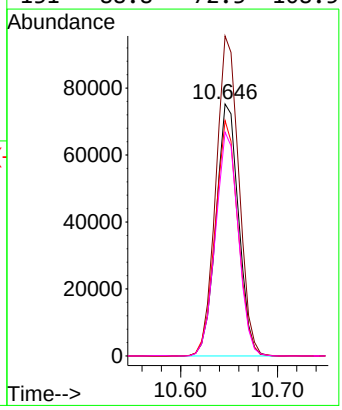


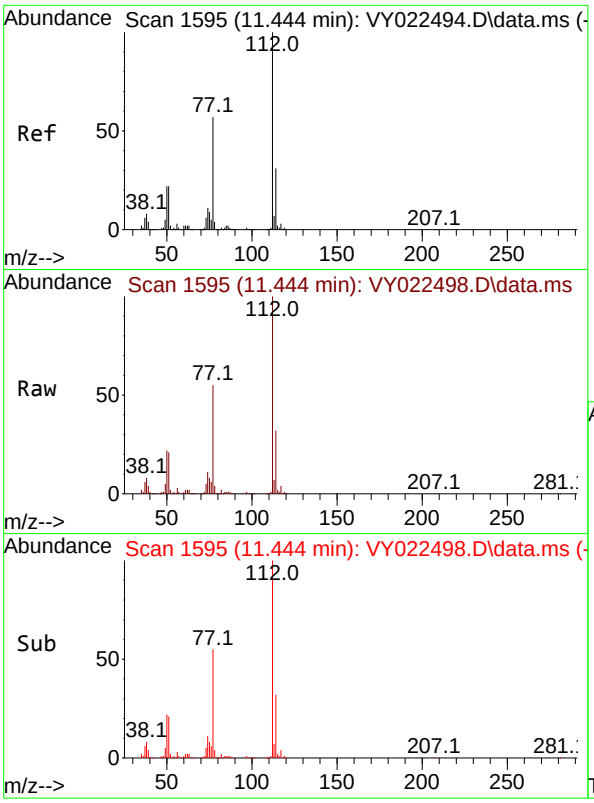


#64
Tetrachloroethene
Concen: 45.398 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:164 Resp: 121944

Ion	Ratio	Lower	Upper
164	100		
166	127.0	104.0	156.0
129	93.4	74.5	111.7
131	88.8	72.3	108.5

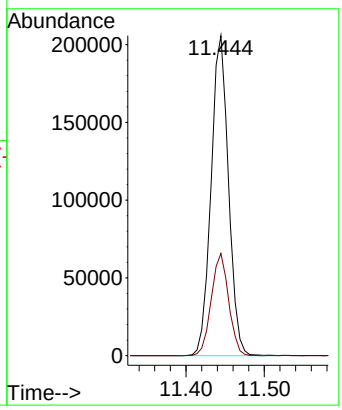




#65
Chlorobenzene
Concen: 45.953 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:112 Resp: 31753

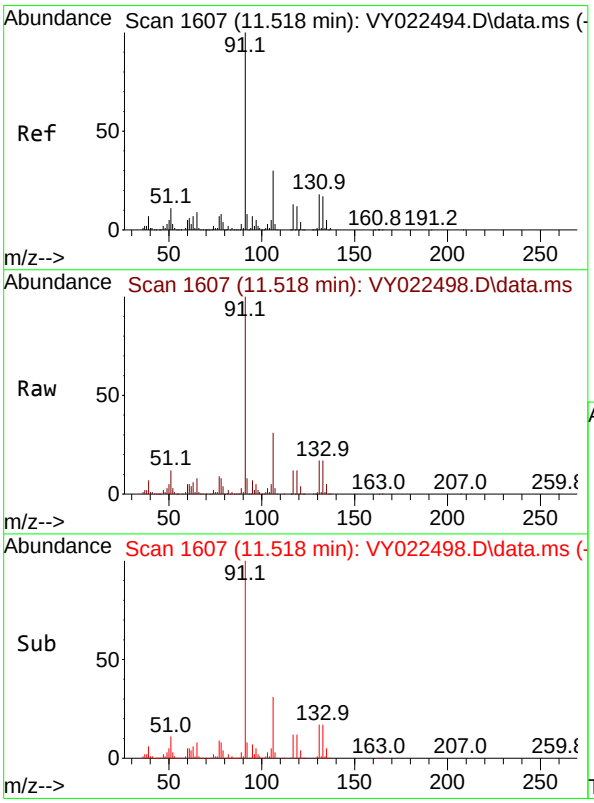
Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

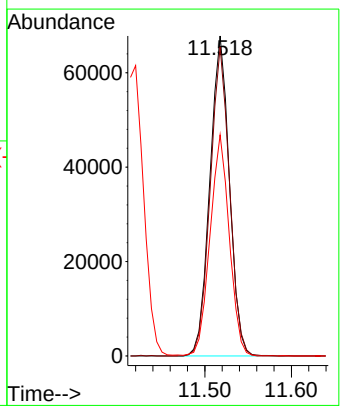
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

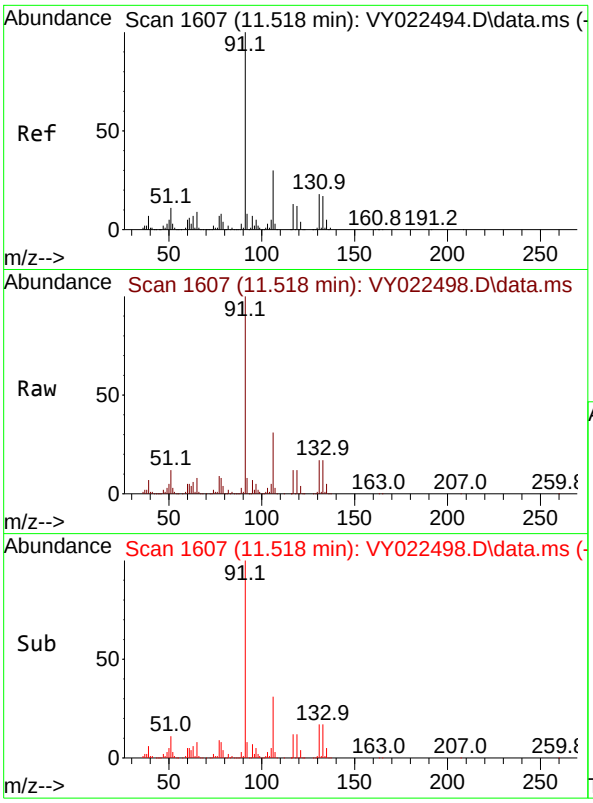


#66
1,1,1,2-Tetrachloroethane
Concen: 45.464 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:131 Resp: 105830

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.3	141.8
119	68.3	33.1	99.3

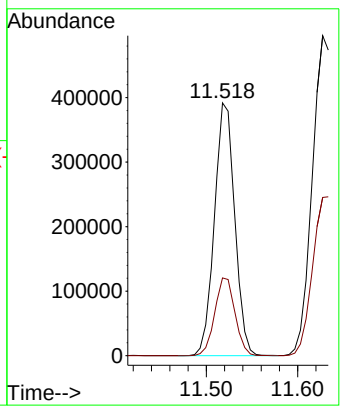




#67
Ethyl Benzene
Concen: 47.248 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 91 Resp: 60556

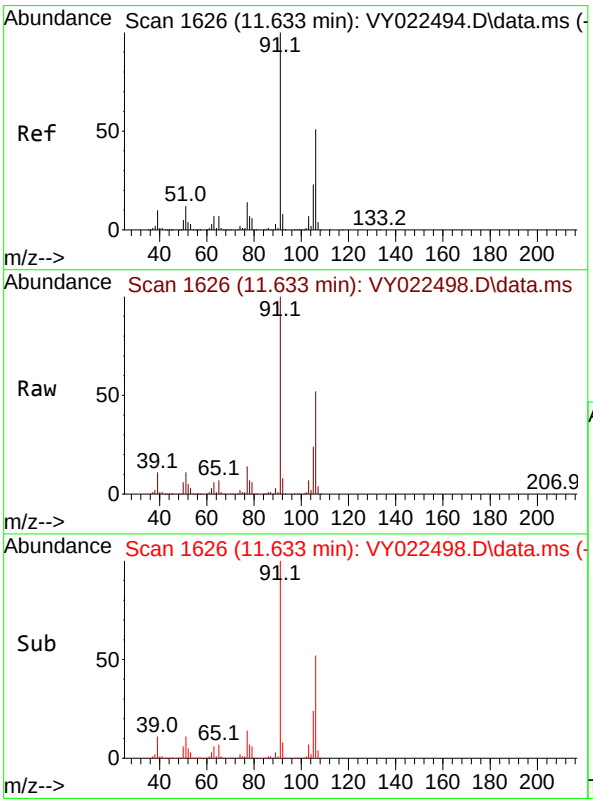
Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.2	36.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

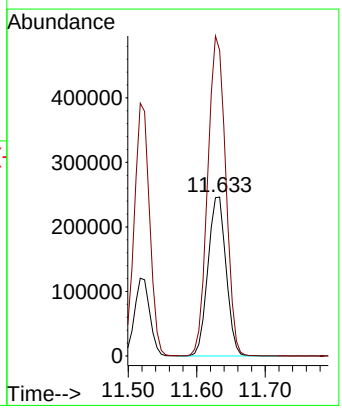
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

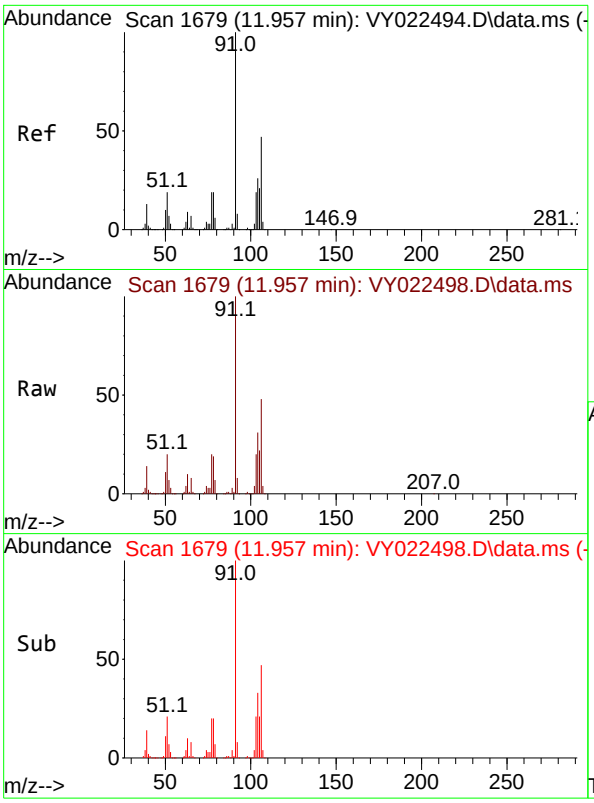


#68
m/p-Xylenes
Concen: 93.473 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:106 Resp: 454148

Ion	Ratio	Lower	Upper
106	100		
91	199.5	159.4	239.0

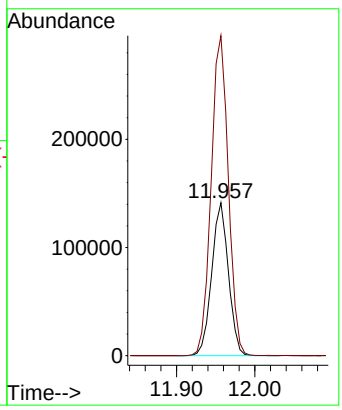




#69
o-Xylene
Concen: 45.959 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:106 Resp: 20935

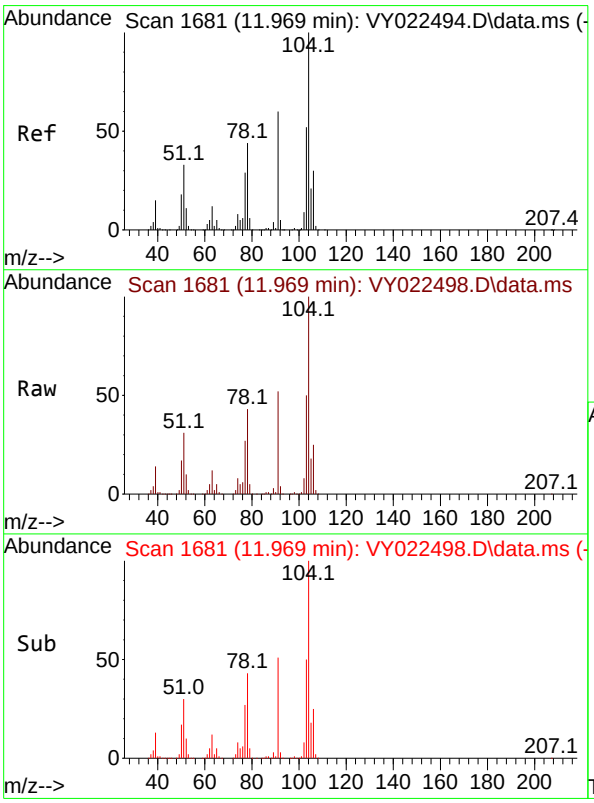
Ion	Ratio	Lower	Upper
106	100		
91	214.9	105.8	317.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

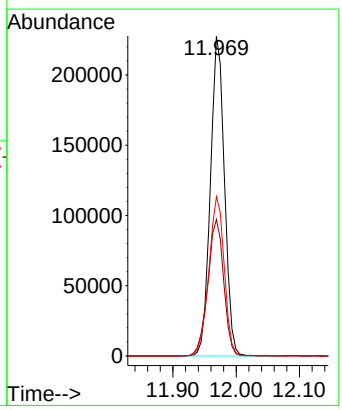
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

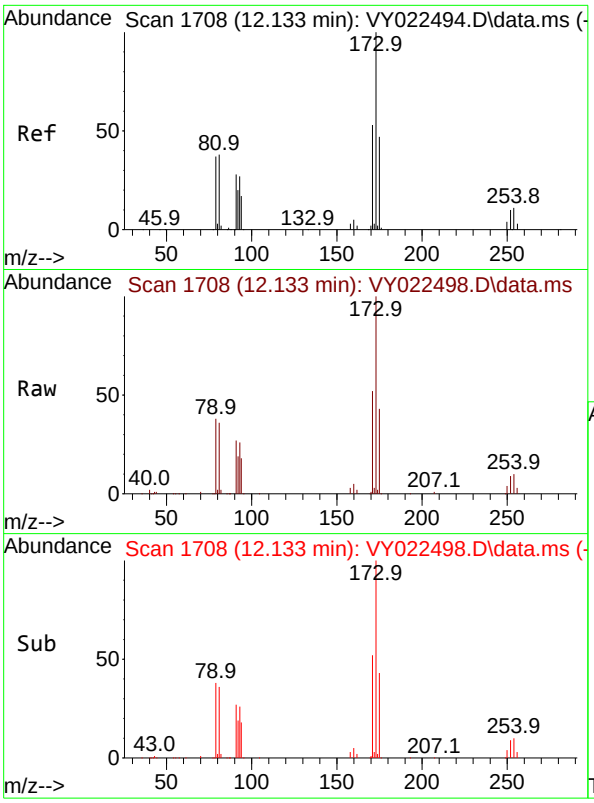


#70
Styrene
Concen: 46.815 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:104 Resp: 352505

Ion	Ratio	Lower	Upper
104	100		
78	48.0	39.5	59.3
103	54.4	44.1	66.1

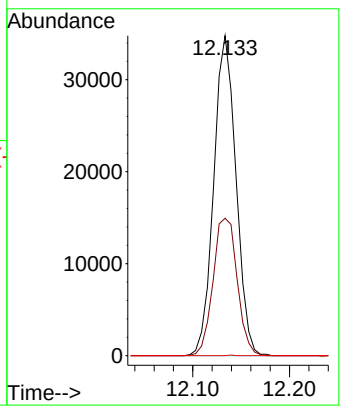




#71
Bromoform
Concen: 44.852 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:173 Resp: 5555

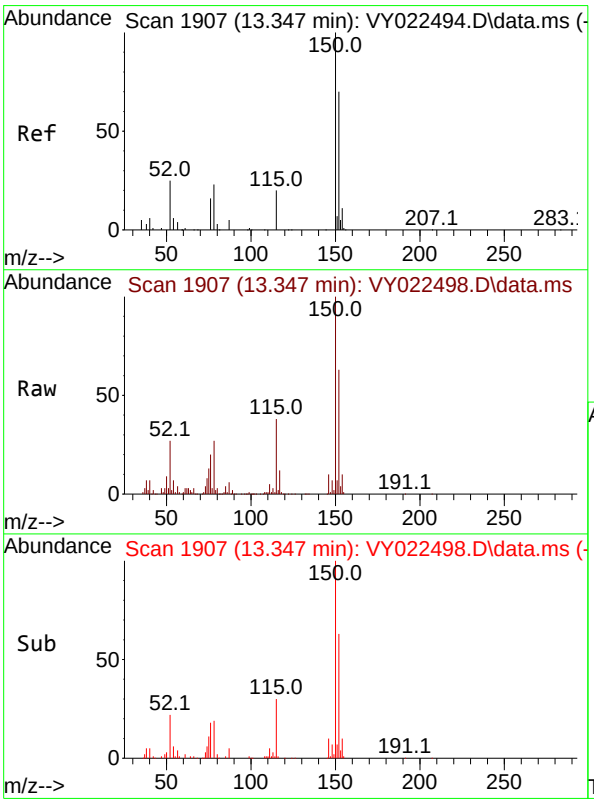
Ion	Ratio	Lower	Upper
173	100		
175	46.5	23.8	71.5
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

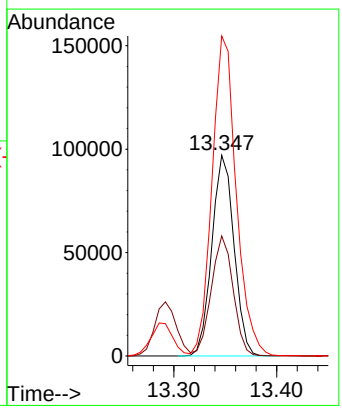
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

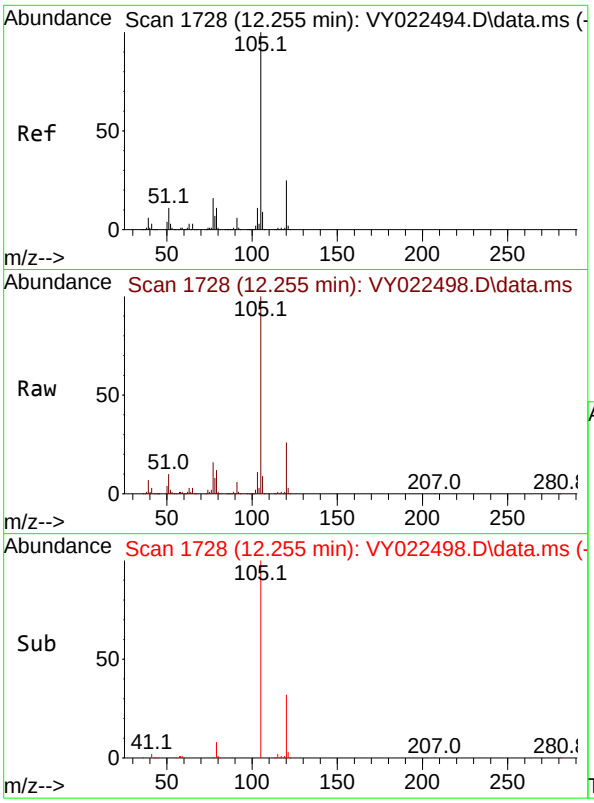


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:152 Resp: 145254

Ion	Ratio	Lower	Upper
152	100		
115	59.1	28.9	86.7
150	174.0	0.0	349.6

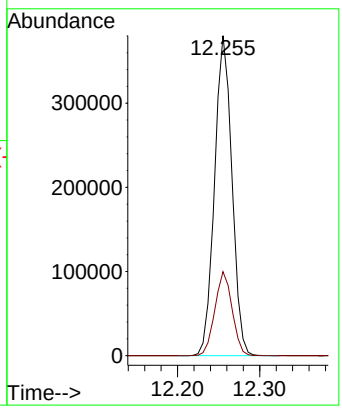




#73
Isopropylbenzene
Concen: 46.933 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:105 Resp: 55969

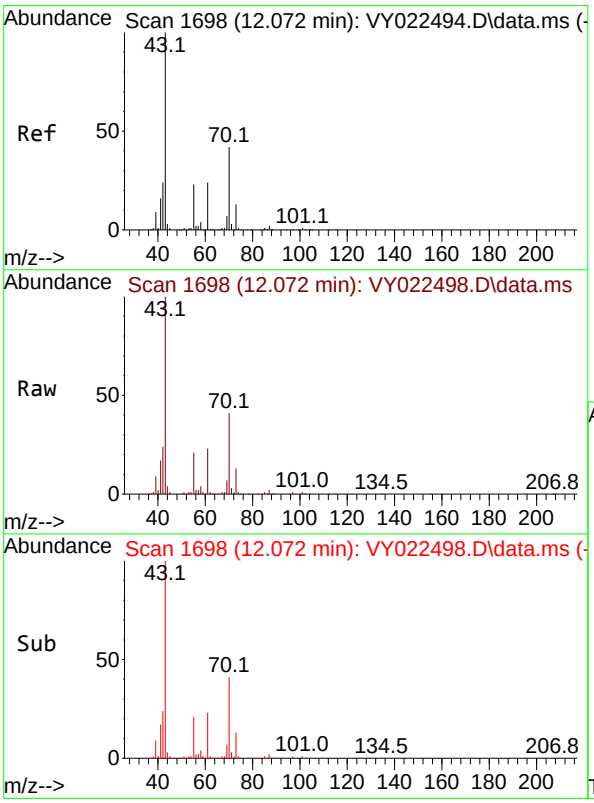
Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

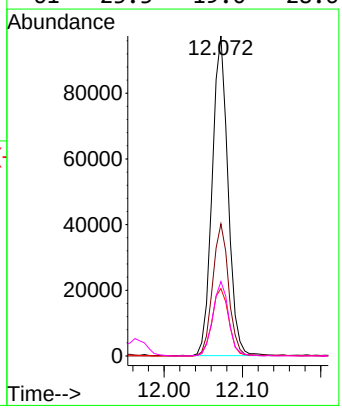
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

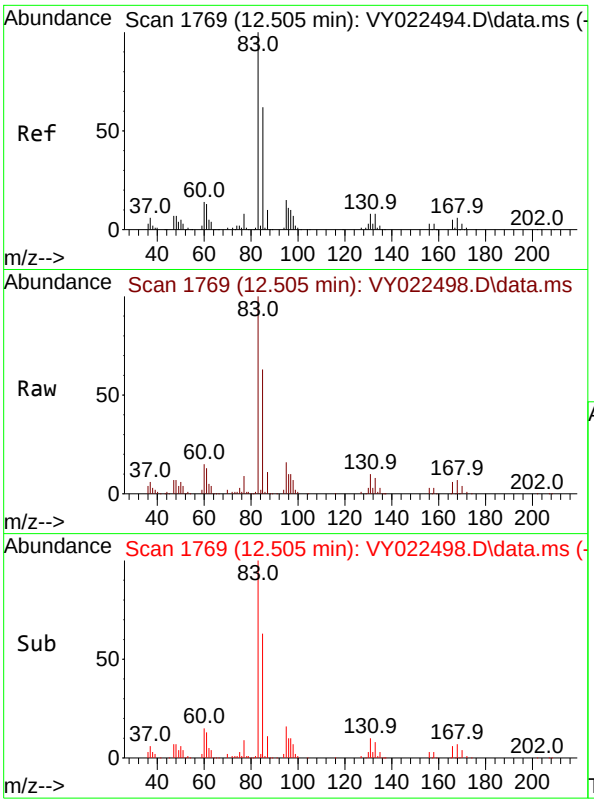


#74
N-amyl acetate
Concen: 45.502 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 136915

Ion	Ratio	Lower	Upper
43	100		
70	41.8	34.2	51.2
55	22.1	18.2	27.4
61	23.3	19.0	28.6

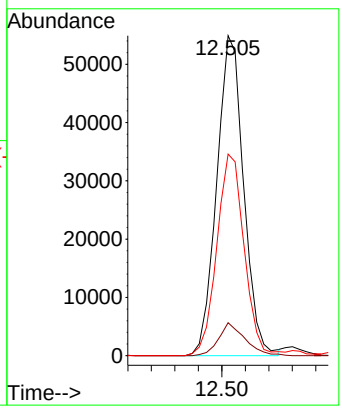




#75
1,1,2,2-Tetrachloroethane
Concen: 44.656 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 83 Resp: 8740

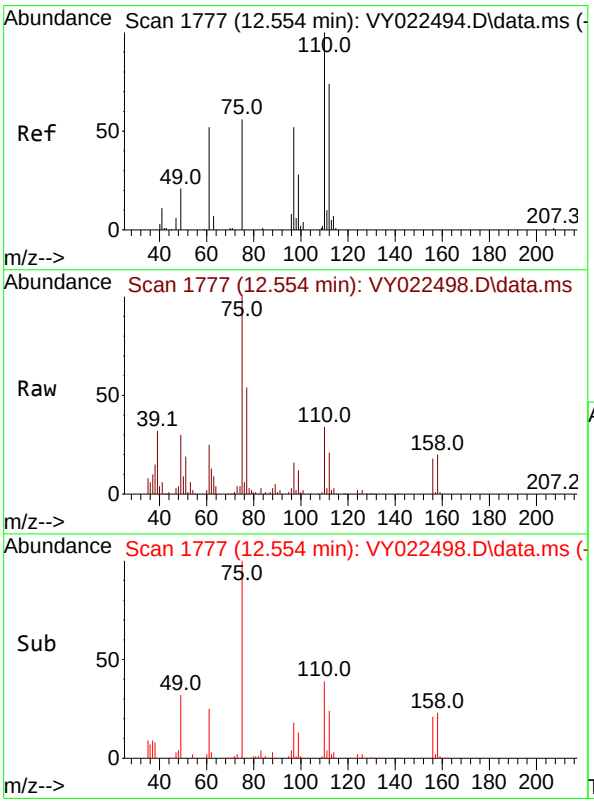
Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	64.1	32.6	97.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

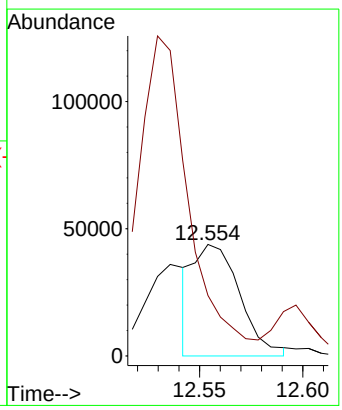
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

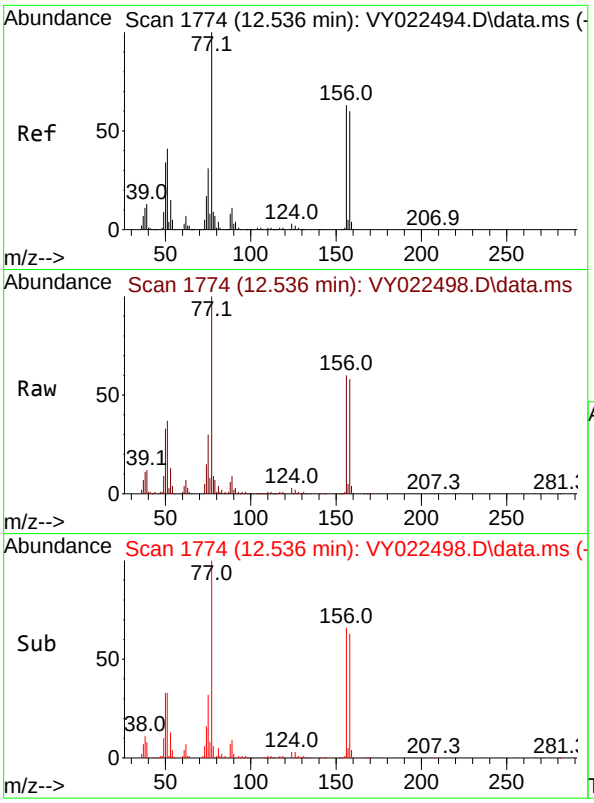


#76
1,2,3-Trichloropropane
Concen: 41.103 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 75 Resp: 68304

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

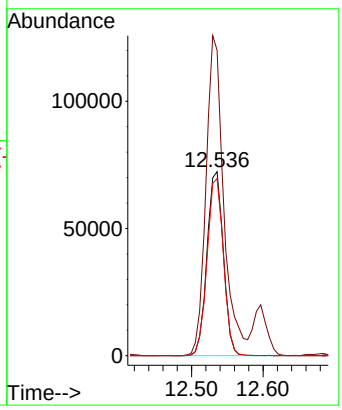




#77
Bromobenzene
Concen: 45.607 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:156 Resp: 11477

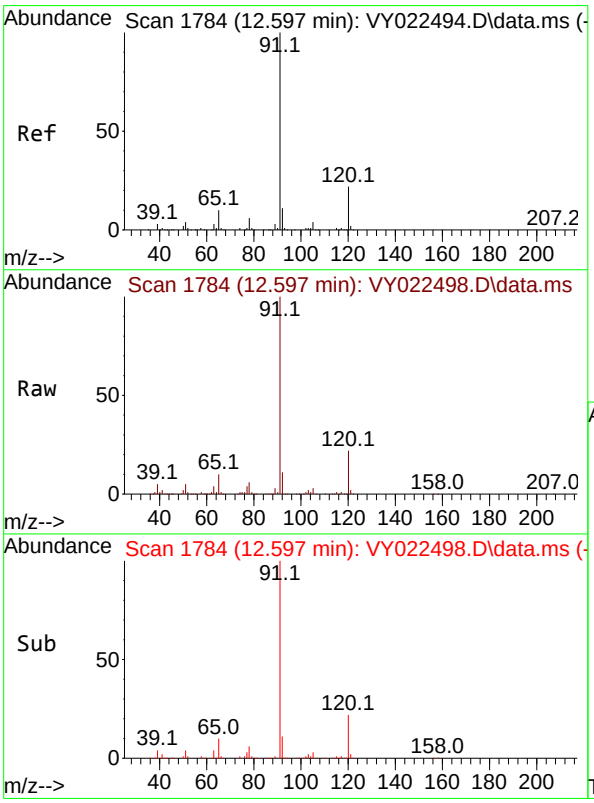
Ion	Ratio	Lower	Upper
156	100		
77	189.1	94.0	282.1
158	96.4	48.2	144.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

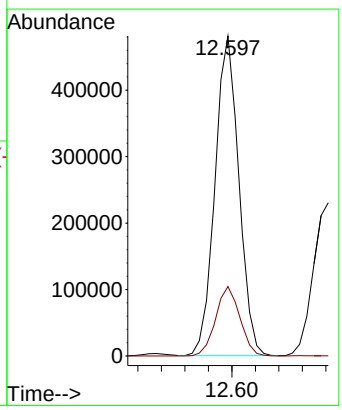
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

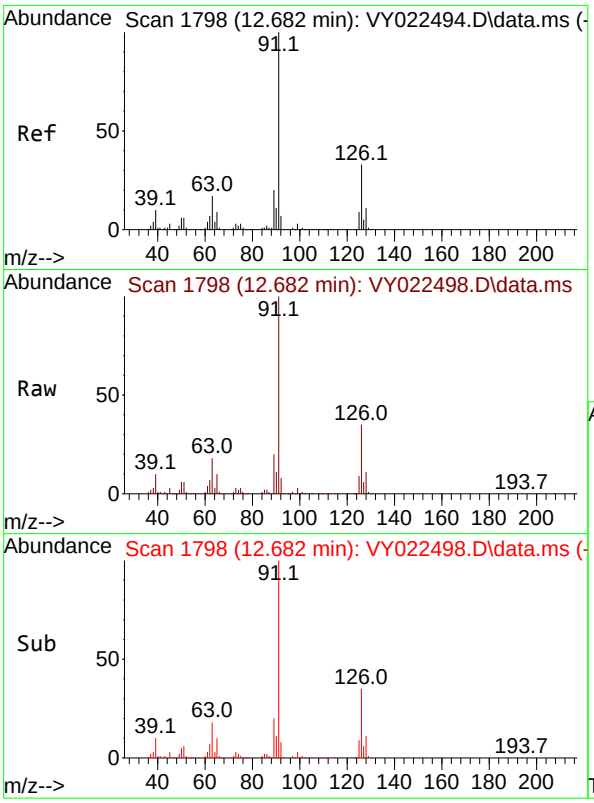


#78
n-propylbenzene
Concen: 46.696 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 91 Resp: 680155

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4





#79
2-Chlorotoluene
Concen: 46.472 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

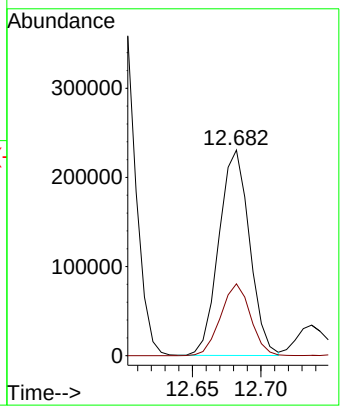
Tgt Ion: 91 Resp: 35875

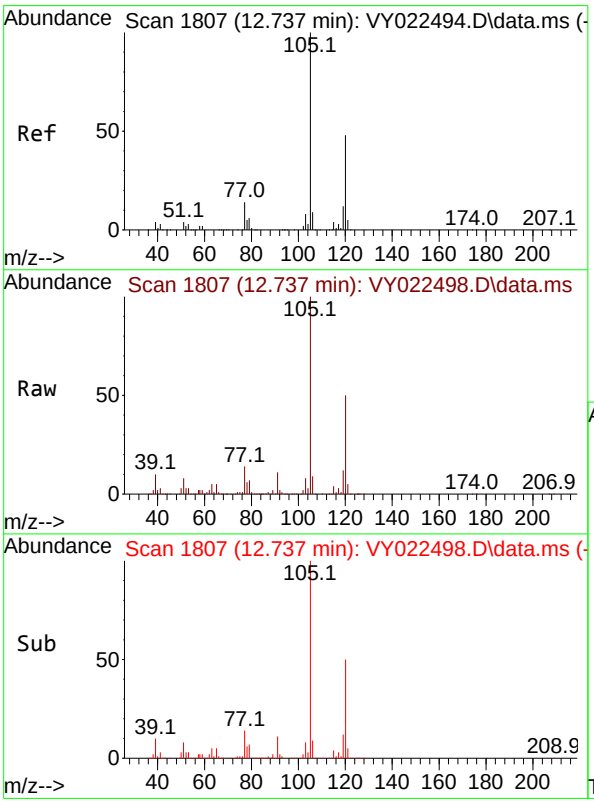
Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	51.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

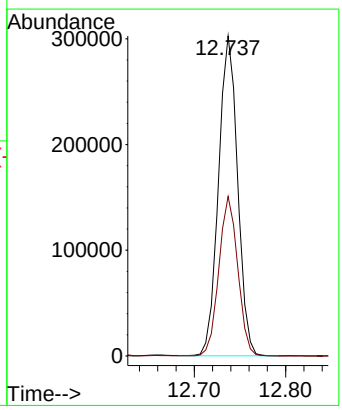


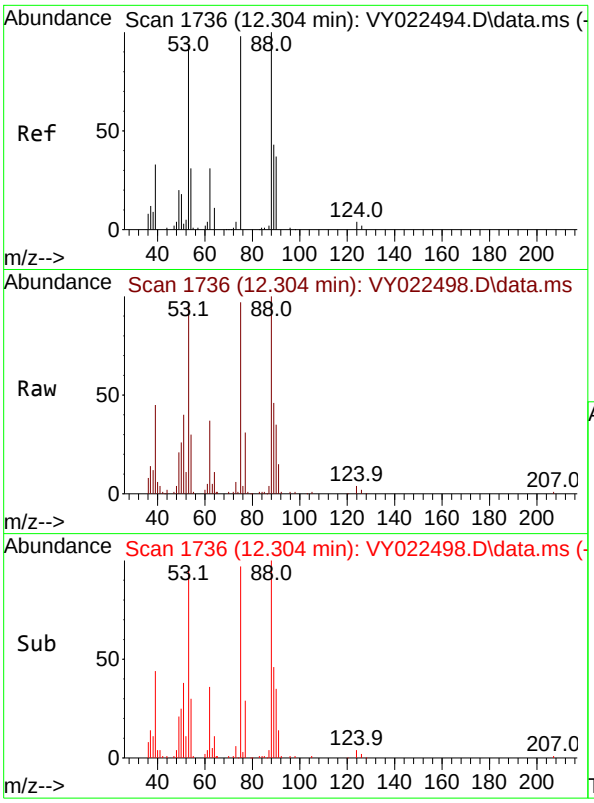


#80
1,3,5-Trimethylbenzene
Concen: 46.876 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:105 Resp: 438873

Ion	Ratio	Lower	Upper
105	100		
120	49.4	24.1	72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 42.968 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

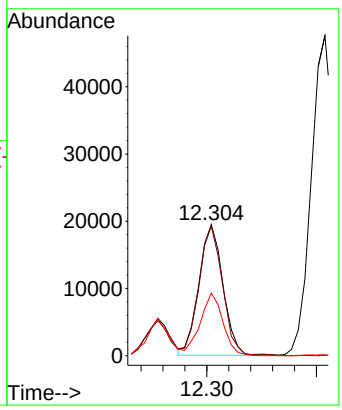
Tgt Ion: 75 Resp: 2956

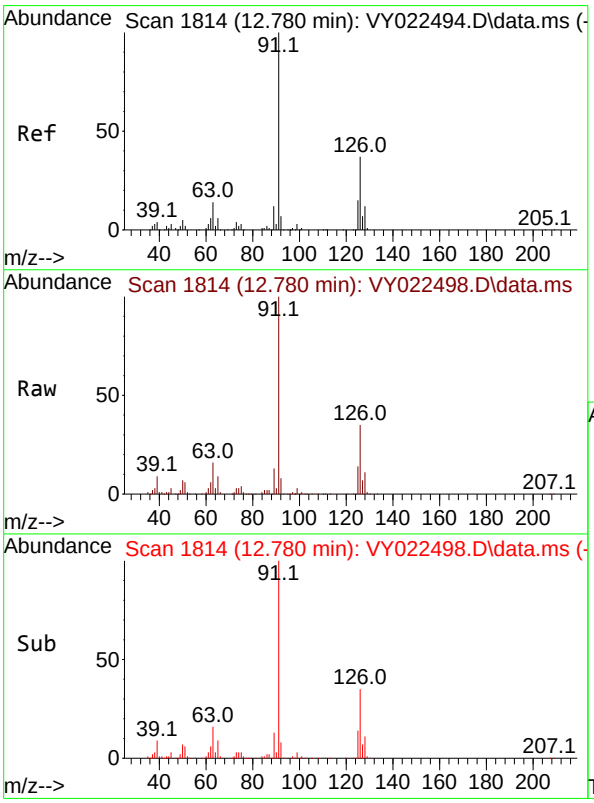
Ion	Ratio	Lower	Upper
75	100		
53	97.8	78.5	117.7
89	44.9	35.7	53.5

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

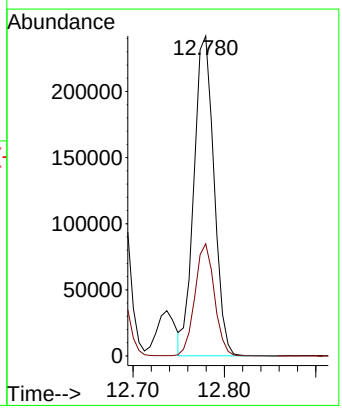


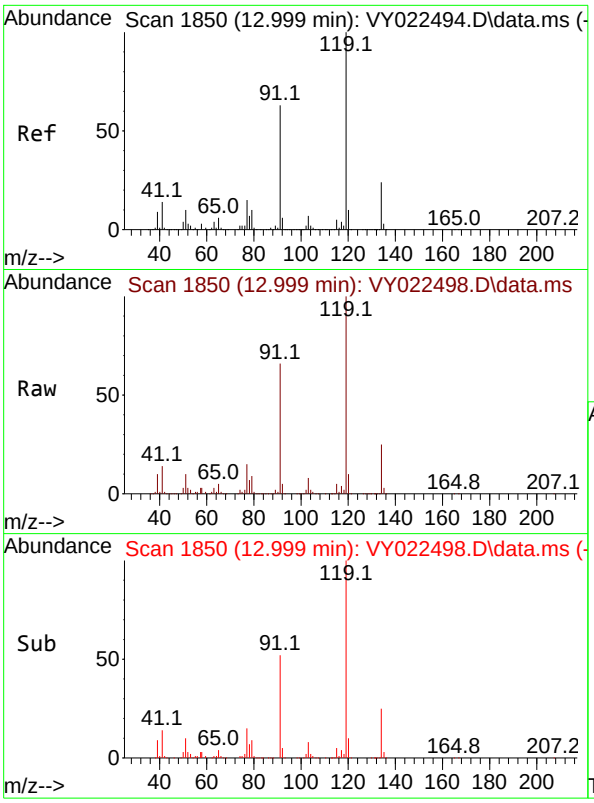


#82
4-Chlorotoluene
Concen: 46.289 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 91 Resp: 368631

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	50.9

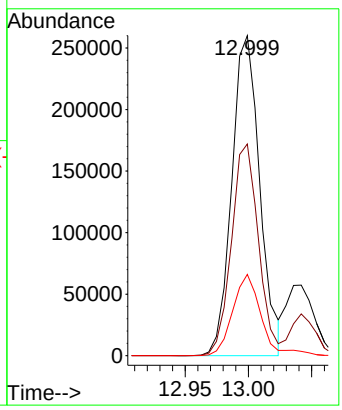




#83
tert-Butylbenzene
Concen: 47.655 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:119 Resp: 40044

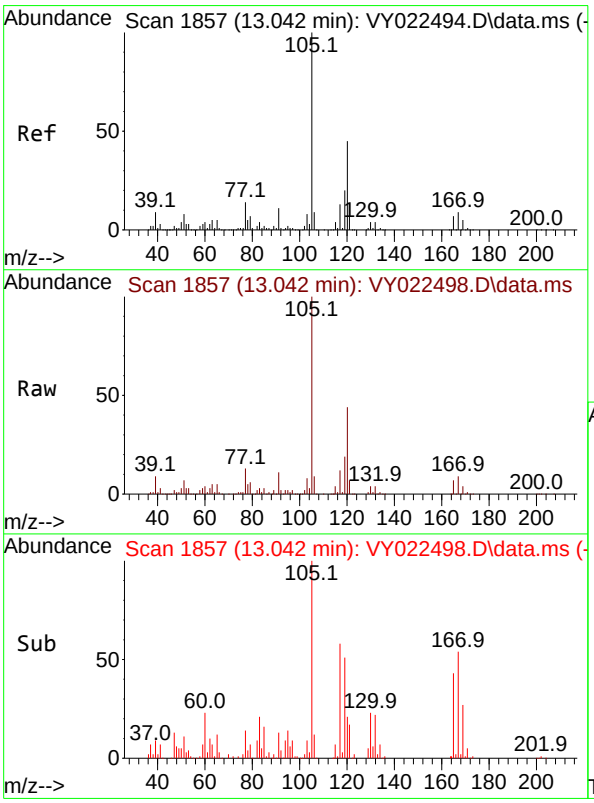
Ion	Ratio	Lower	Upper
119	100		
91	63.8	32.1	96.3
134	25.9	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

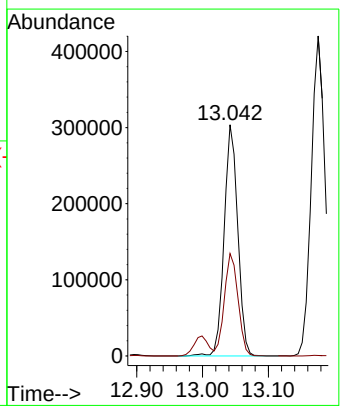
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

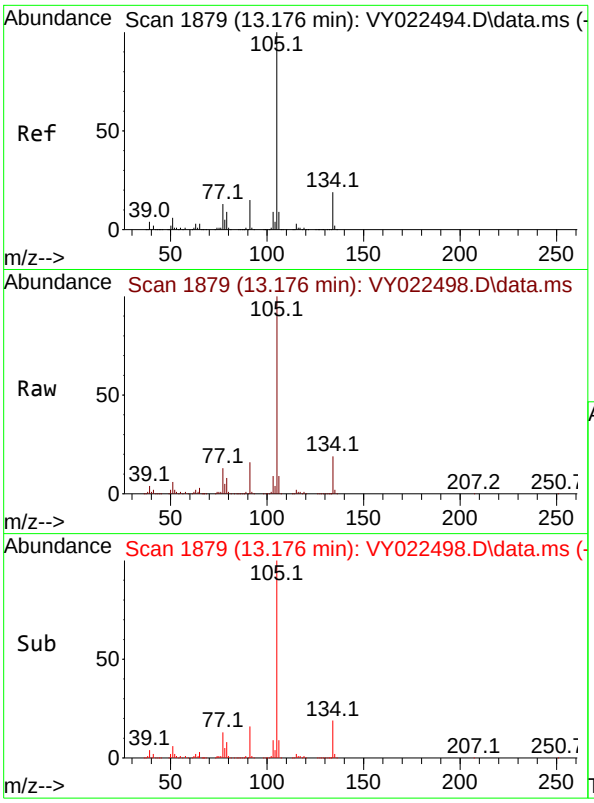


#84
1,2,4-Trimethylbenzene
Concen: 46.735 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:105 Resp: 437631

Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.7	68.1

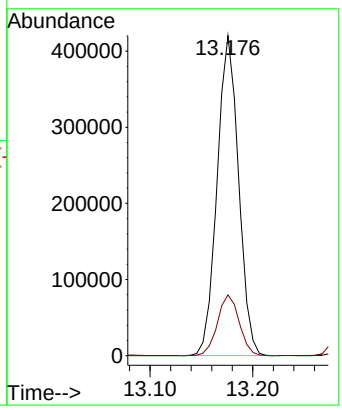




#85
sec-Butylbenzene
Concen: 47.241 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:105 Resp: 60796

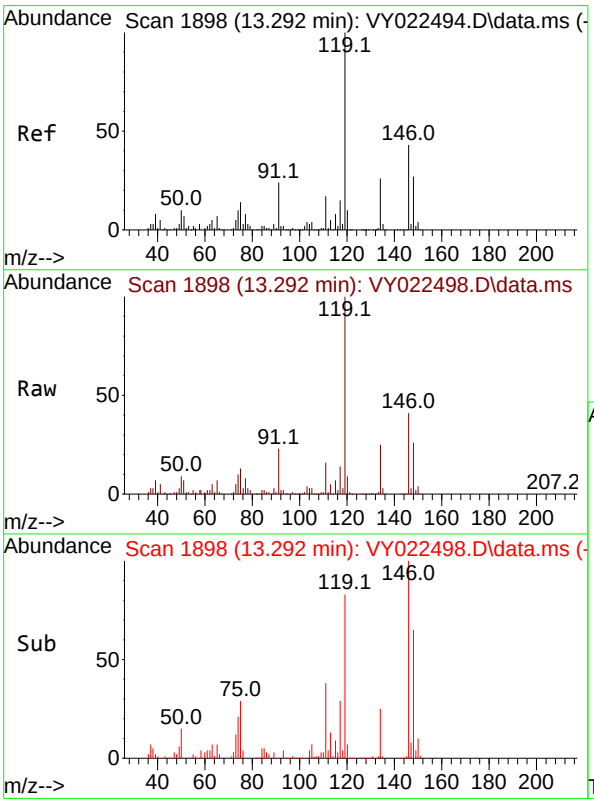
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

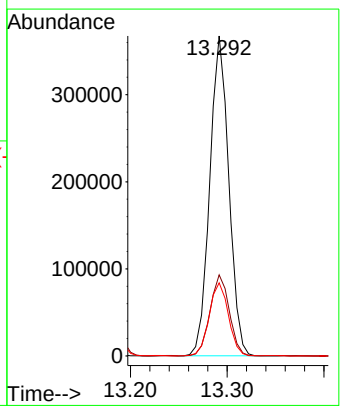
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

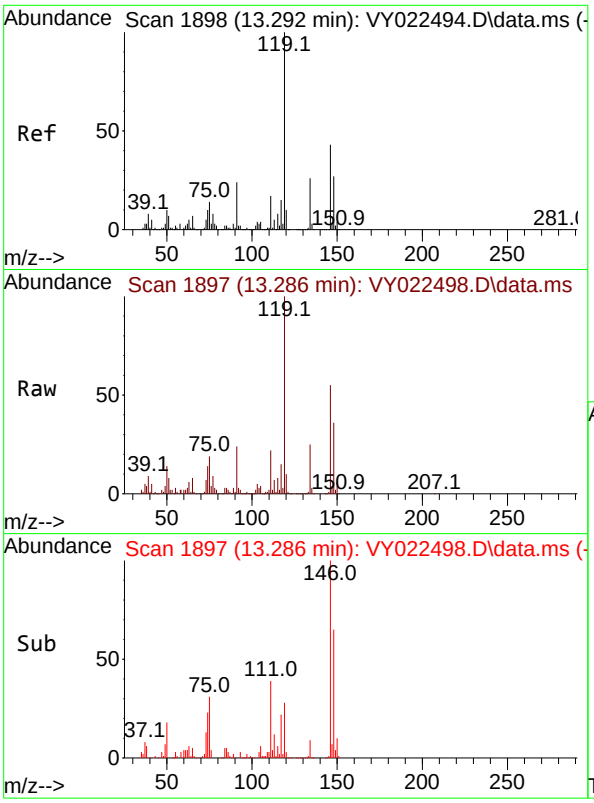


#86
p-Isopropyltoluene
Concen: 47.321 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:119 Resp: 501979

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.1	39.1
91	23.0	11.6	34.8

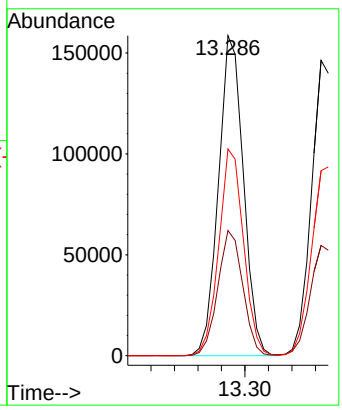




#87
1,3-Dichlorobenzene
Concen: 45.932 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:146 Resp: 23419

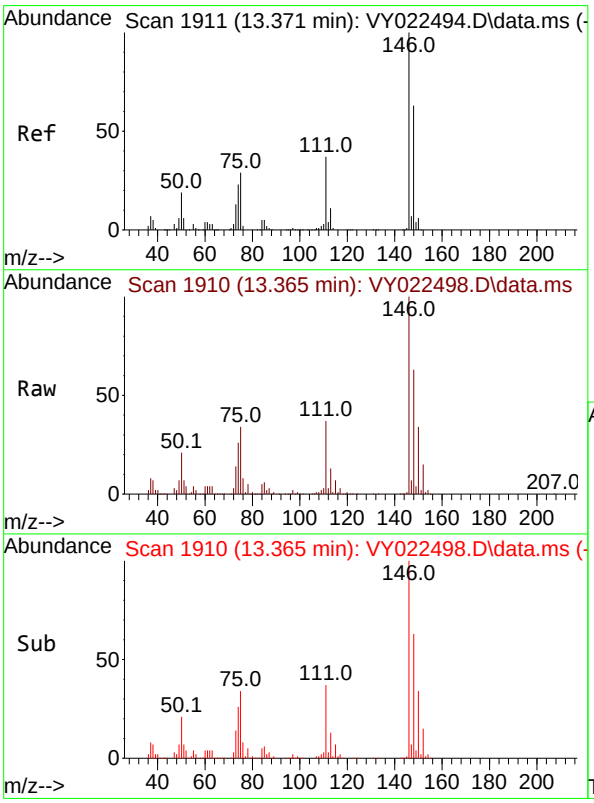
Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.1	60.2
148	64.1	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

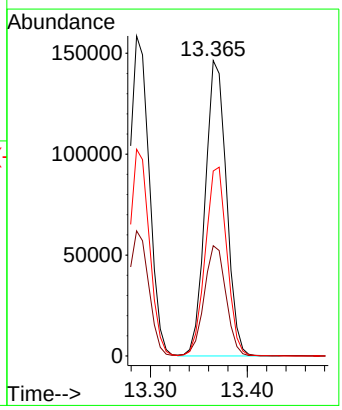
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

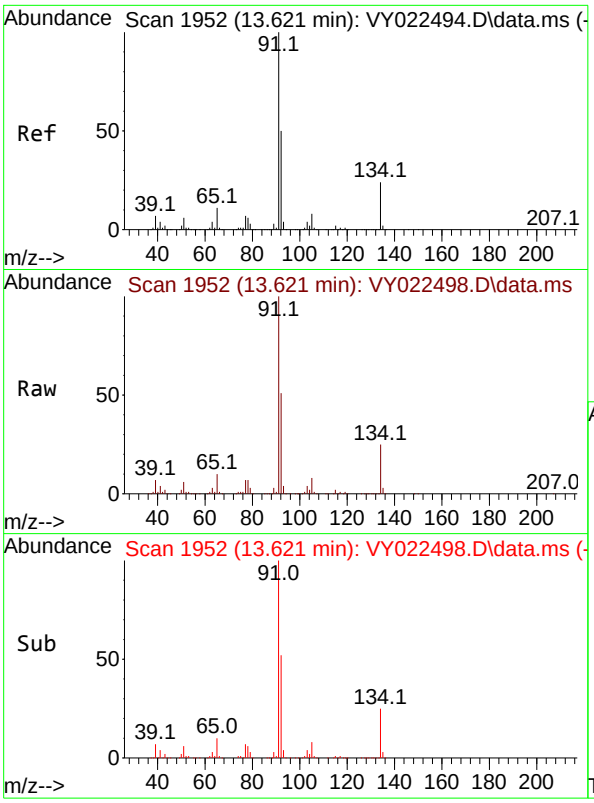


#88
1,4-Dichlorobenzene
Concen: 45.113 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:146 Resp: 223096

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.2
148	65.3	31.6	94.8

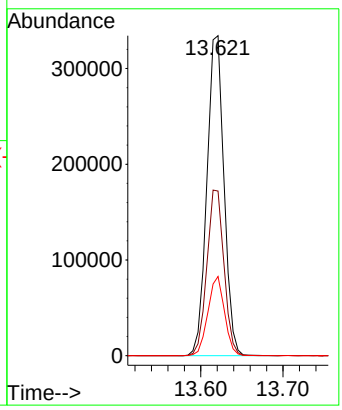




#89
n-Butylbenzene
Concen: 47.968 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 91 Resp: 48277

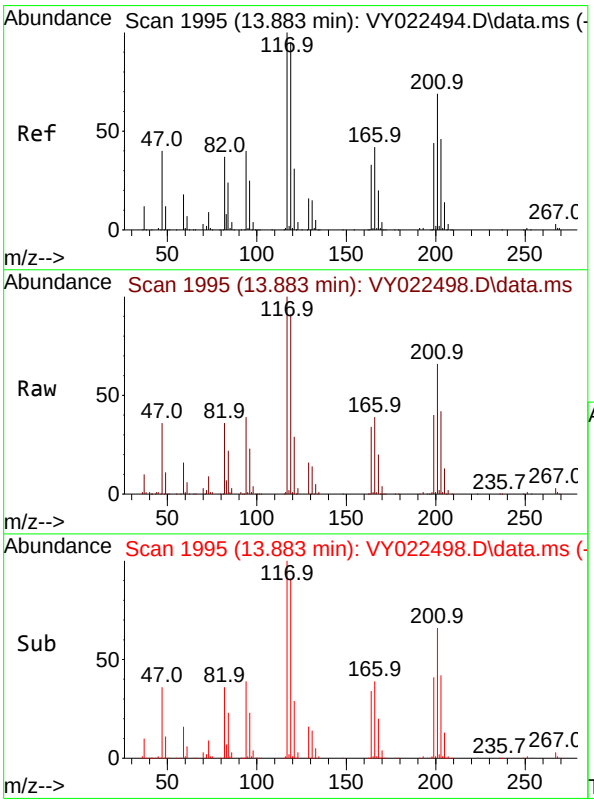
Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.8
134	24.1	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

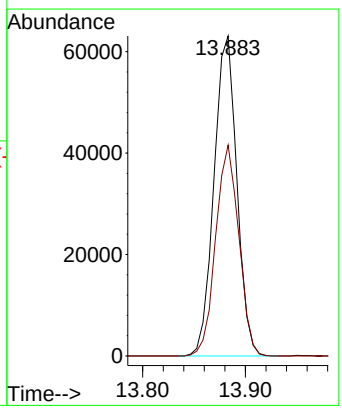
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

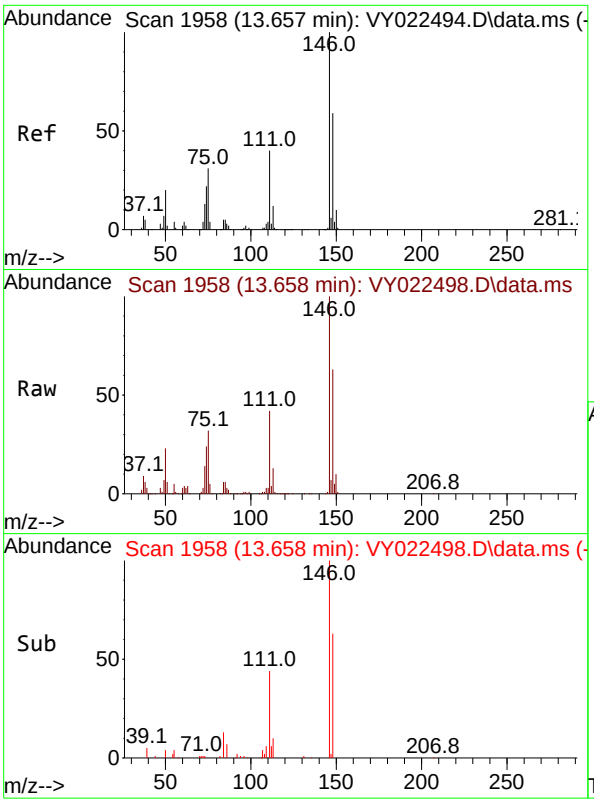


#90
Hexachloroethane
Concen: 47.101 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:117 Resp: 97273

Ion	Ratio	Lower	Upper
117	100		
201	66.8	34.0	102.0

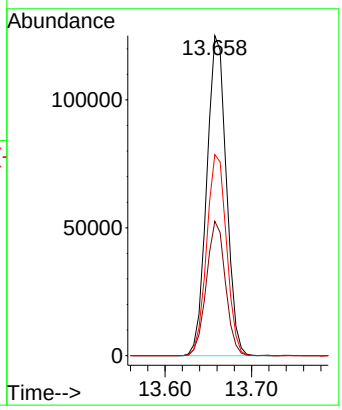




#91
1,2-Dichlorobenzene
Concen: 45.213 ug/l
RT: 13.658 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:146 Resp: 19572

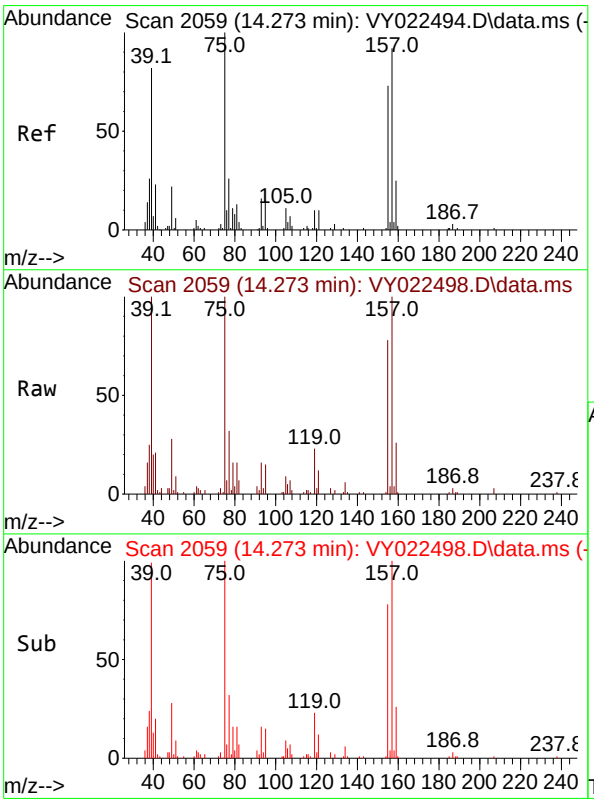
Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.2	60.6
148	63.8	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

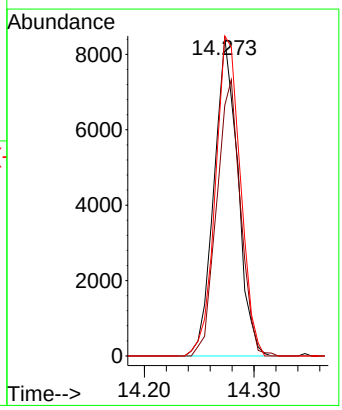
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

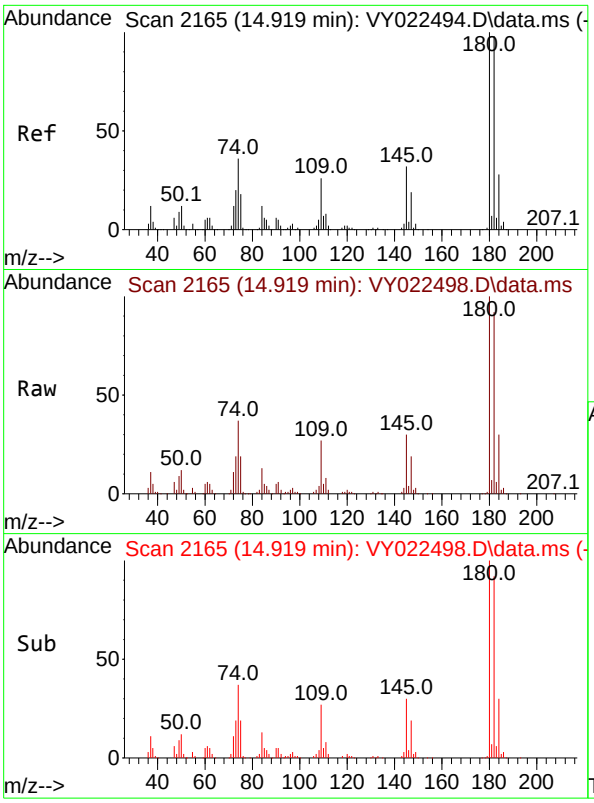


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.665 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 75 Resp: 12728

Ion	Ratio	Lower	Upper
75	100		
155	87.1	39.9	119.6
157	105.8	54.0	162.0

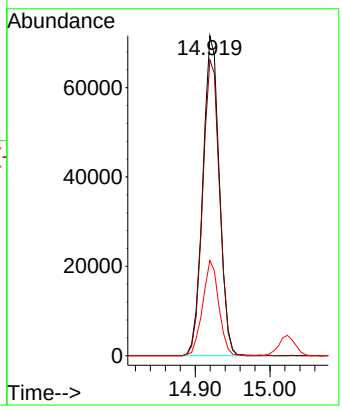




#93
1,2,4-Trichlorobenzene
Concen: 46.481 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:180 Resp: 10974

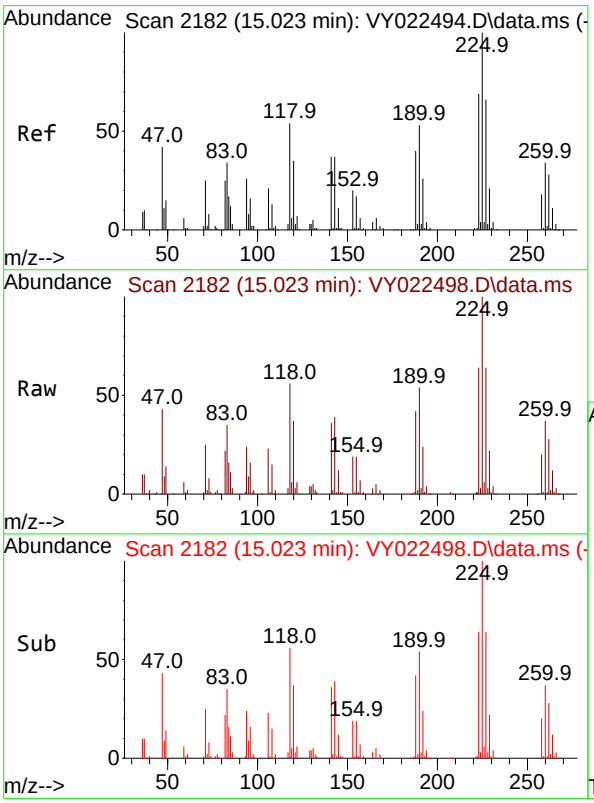
Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.4	145.3
145	29.1	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

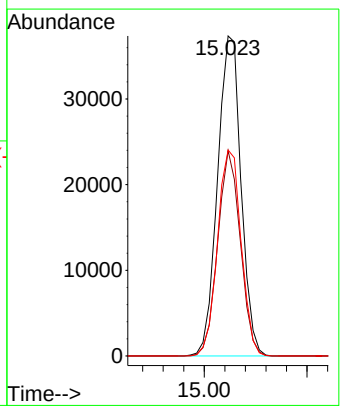
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

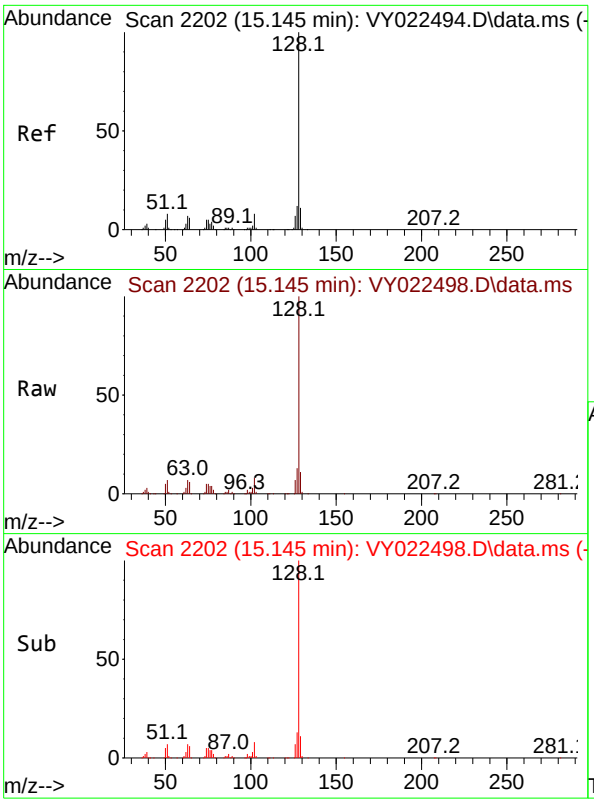


#94
Hexachlorobutadiene
Concen: 45.457 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:225 Resp: 59236

Ion	Ratio	Lower	Upper
225	100		
223	61.5	32.5	97.4
227	64.6	32.3	96.9

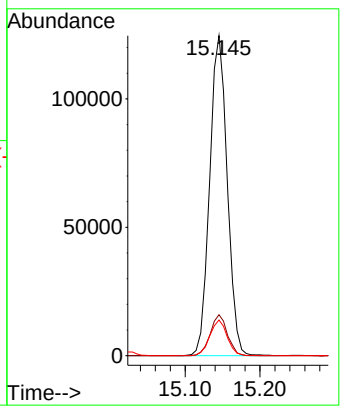




#95
Naphthalene
Concen: 45.009 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:128 Resp: 20392

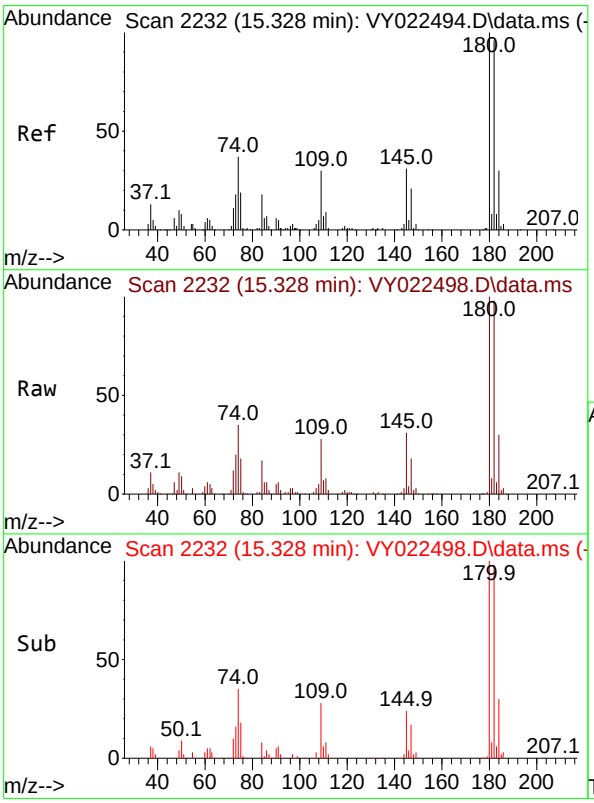
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.4	15.6
129	11.0	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Manual Integrations
APPROVED

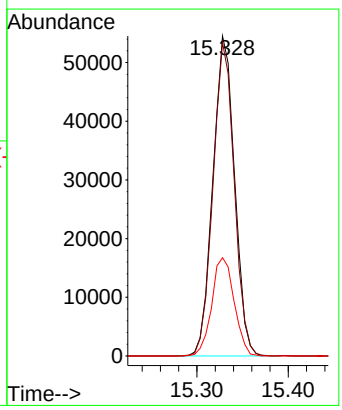
Reviewed By :Semsettin Yesilyurt 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 44.331 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:180 Resp: 89699

Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.1	141.3
145	31.8	15.2	45.6



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	104	0.00
2	T	Dichlorodifluoromethane	0.448	0.383	14.5	97	0.00
3	P	Chloromethane	1.322	1.259	4.8	107	0.00
4	C	Vinyl Chloride	1.534	1.475	3.8#	103	0.00
5	T	Bromomethane	1.470	1.250	15.0	105	0.00
6	T	Chloroethane	1.053	0.939	10.8	102	0.00
7	T	Trichlorofluoromethane	1.302	1.237	5.0	105	0.00
8	T	Diethyl Ether	0.293	0.260	11.3	93	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.549	0.496	9.7	96	0.00
10	T	Methyl Iodide	0.594	0.533	10.3	86	0.00
11	T	Tert butyl alcohol	0.040	0.033	17.5	87	0.00
12	CM	1,1-Dichloroethene	0.524	0.485	7.4#	98	-0.01
13	T	Acrolein	0.050	0.044	12.0	97	0.00
14	T	Allyl chloride	0.823	0.755	8.3	98	0.00
15	T	Acrylonitrile	0.124	0.108	12.9	90	0.00
16	T	Acetone	0.114	0.101	11.4	91	0.00
17	T	Carbon Disulfide	1.679	1.559	7.1	98	0.00
18	T	Methyl Acetate	0.336	0.262	22.0	82	0.00
19	T	Methyl tert-butyl Ether	1.477	1.299	12.1	92	-0.01
20	T	Methylene Chloride	0.645	0.527	18.3	96	0.00
21	T	trans-1,2-Dichloroethene	0.587	0.540	8.0	99	0.00
22	T	Diisopropyl ether	1.832	1.616	11.8	93	0.00
23	T	Vinyl Acetate	1.084	0.971	10.4	94	0.00
24	P	1,1-Dichloroethane	1.079	0.994	7.9	98	0.00
25	T	2-Butanone	0.164	0.145	11.6	90	0.00
26	T	2,2-Dichloropropane	0.954	0.890	6.7	98	0.00
27	T	cis-1,2-Dichloroethene	0.678	0.624	8.0	96	0.00
28	T	Bromochloromethane	0.471	0.438	7.0	101	0.00
29	T	Tetrahydrofuran	0.106	0.089	16.0	89	0.00
30	C	Chloroform	1.069	0.982	8.1#	97	0.00
31	T	Cyclohexane	1.075	0.940	12.6	97	0.00
32	T	1,1,1-Trichloroethane	0.949	0.885	6.7	97	0.00
33	S	1,2-Dichloroethane-d4	0.559	0.487	12.9	86	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35	S	Dibromofluoromethane	0.298	0.279	6.4	90	0.00
36	T	1,1-Dichloropropene	0.484	0.455	6.0	97	0.00
37	T	Ethyl Acetate	0.216	0.188	13.0	85	0.00
38	T	Carbon Tetrachloride	0.497	0.475	4.4	97	0.00
39	T	Methylcyclohexane	0.651	0.611	6.1	97	0.00
40	TM	Benzene	1.431	1.345	6.0	97	0.00
41	T	Methacrylonitrile	0.126	0.109	13.5	91	-0.01
42	TM	1,2-Dichloroethane	0.391	0.357	8.7	95	0.00
43	T	Isopropyl Acetate	0.467	0.412	11.8	90	0.00
44	TM	Trichloroethene	0.350	0.326	6.9	95	0.00
45	C	1,2-Dichloropropane	0.338	0.315	6.8#	95	0.00
46	T	Dibromomethane	0.190	0.177	6.8	95	0.00
47	T	Bromodichloromethane	0.482	0.452	6.2	96	0.00
48	T	Methyl methacrylate	0.219	0.194	11.4	91	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	88	-0.01
50	S	Toluene-d8	1.206	1.128	6.5	92	0.00
51	T	4-Methyl-2-Pentanone	0.233	0.204	12.4	87	0.00
52	CM	Toluene	0.899	0.848	5.7#	98	0.00
53	T	t-1,3-Dichloropropene	0.452	0.417	7.7	94	0.00
54	T	cis-1,3-Dichloropropene	0.526	0.486	7.6	94	0.00
55	T	1,1,2-Trichloroethane	0.243	0.218	10.3	94	0.00
56	T	Ethyl methacrylate	0.351	0.316	10.0	91	0.00
57	T	1,3-Dichloropropane	0.430	0.393	8.6	94	0.00
58	T	2-Chloroethyl Vinyl ether	0.159	0.155	2.5	101	0.00
59	T	2-Hexanone	0.156	0.137	12.2	88	0.00
60	T	Dibromochloromethane	0.308	0.278	9.7	92	0.00
61	T	1,2-Dibromoethane	0.221	0.203	8.1	95	0.00
62	S	4-Bromofluorobenzene	0.359	0.329	8.4	92	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64	T	Tetrachloroethene	0.430	0.391	9.1	94	0.00
65	PM	Chlorobenzene	1.106	1.017	8.0	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.373	0.339	9.1	94	0.00
67	C	Ethyl Benzene	2.052	1.939	5.5#	98	0.00
68	T	m/p-Xylenes	0.778	0.727	6.6	97	0.00
69	T	o-Xylene	0.729	0.670	8.1	96	0.00
70	T	Styrene	1.206	1.129	6.4	96	0.00
71	P	Bromoform	0.198	0.178	10.1	93	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73	T	Isopropylbenzene	4.105	3.853	6.1	97	0.00
74	T	N-amyl acetate	1.036	0.943	9.0	91	0.00
75	P	1,1,2,2-Tetrachloroethane	0.674	0.602	10.7	92	0.00
76	T	1,2,3-Trichloropropane	0.572	0.470	17.8	78	0.00
77	T	Bromobenzene	0.866	0.790	8.8	95	0.00
78	T	n-propylbenzene	5.014	4.683	6.6	96	0.00
79	T	2-Chlorotoluene	2.657	2.470	7.0	96	0.00
80	T	1,3,5-Trimethylbenzene	3.223	3.021	6.3	96	0.00
81	T	trans-1,4-Dichloro-2-butene	0.237	0.204	13.9	91	0.00
82	T	4-Chlorotoluene	2.741	2.538	7.4	95	0.00
83	T	tert-Butylbenzene	2.893	2.757	4.7	99	0.00
84	T	1,2,4-Trimethylbenzene	3.223	3.013	6.5	97	0.00
85	T	sec-Butylbenzene	4.430	4.186	5.5	98	0.00
86	T	p-Isopropyltoluene	3.652	3.456	5.4	98	0.00
87	T	1,3-Dichlorobenzene	1.755	1.612	8.1	97	0.00
88	T	1,4-Dichlorobenzene	1.702	1.536	9.8	94	0.00
89	T	n-Butylbenzene	3.464	3.324	4.0	98	0.00
90	T	Hexachloroethane	0.711	0.670	5.8	97	0.00
91	T	1,2-Dichlorobenzene	1.490	1.347	9.6	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.098	0.088	10.2	87	0.00
93	T	1,2,4-Trichlorobenzene	0.813	0.756	7.0	96	0.00
94	T	Hexachlorobutadiene	0.449	0.408	9.1	95	0.00
95	T	Naphthalene	1.560	1.404	10.0	90	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	0.697	0.618	11.3	92	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\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	104	0.00
2	T	Dichlorodifluoromethane	50.000	42.825	14.3	97	0.00
3	P	Chloromethane	50.000	47.616	4.8	107	0.00
4	C	Vinyl Chloride	50.000	48.066	3.9#	103	0.00
5	T	Bromomethane	50.000	42.515	15.0	105	0.00
6	T	Chloroethane	50.000	44.575	10.8	102	0.00
7	T	Trichlorofluoromethane	50.000	47.475	5.0	105	0.00
8	T	Diethyl Ether	50.000	44.247	11.5	93	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	45.230	9.5	96	0.00
10	T	Methyl Iodide	50.000	44.885	10.2	86	0.00
11	T	Tert butyl alcohol	250.000	205.761	17.7	87	0.00
12	CM	1,1-Dichloroethene	50.000	46.234	7.5#	98	-0.01
13	T	Acrolein	250.000	223.473	10.6	97	0.00
14	T	Allyl chloride	50.000	45.834	8.3	98	0.00
15	T	Acrylonitrile	250.000	216.963	13.2	90	0.00
16	T	Acetone	250.000	221.854	11.3	91	0.00
17	T	Carbon Disulfide	50.000	46.432	7.1	98	0.00
18	T	Methyl Acetate	50.000	38.935	22.1	82	0.00
19	T	Methyl tert-butyl Ether	50.000	43.974	12.1	92	-0.01
20	T	Methylene Chloride	50.000	40.875	18.3	96	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.024	8.0	99	0.00
22	T	Diisopropyl ether	50.000	44.104	11.8	93	0.00
23	T	Vinyl Acetate	250.000	223.951	10.4	94	0.00
24	P	1,1-Dichloroethane	50.000	46.053	7.9	98	0.00
25	T	2-Butanone	250.000	220.736	11.7	90	0.00
26	T	2,2-Dichloropropane	50.000	46.639	6.7	98	0.00
27	T	cis-1,2-Dichloroethene	50.000	46.024	8.0	96	0.00
28	T	Bromochloromethane	50.000	46.547	6.9	101	0.00
29	T	Tetrahydrofuran	250.000	211.767	15.3	89	0.00
30	C	Chloroform	50.000	45.919	8.2#	97	0.00
31	T	Cyclohexane	50.000	43.757	12.5	97	0.00
32	T	1,1,1-Trichloroethane	50.000	46.627	6.7	97	0.00
33	S	1,2-Dichloroethane-d4	50.000	43.538	12.9	86	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35	S	Dibromofluoromethane	50.000	46.676	6.6	90	0.00
36	T	1,1-Dichloropropene	50.000	46.978	6.0	97	0.00
37	T	Ethyl Acetate	50.000	43.605	12.8	85	0.00
38	T	Carbon Tetrachloride	50.000	47.747	4.5	97	0.00
39	T	Methylcyclohexane	50.000	46.923	6.2	97	0.00
40	TM	Benzene	50.000	47.020	6.0	97	0.00
41	T	Methacrylonitrile	50.000	43.134	13.7	91	-0.01
42	TM	1,2-Dichloroethane	50.000	45.644	8.7	95	0.00
43	T	Isopropyl Acetate	50.000	44.122	11.8	90	0.00
44	TM	Trichloroethene	50.000	46.609	6.8	95	0.00
45	C	1,2-Dichloropropane	50.000	46.587	6.8#	95	0.00
46	T	Dibromomethane	50.000	46.430	7.1	95	0.00
47	T	Bromodichloromethane	50.000	46.825	6.3	96	0.00
48	T	Methyl methacrylate	50.000	44.198	11.6	91	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	816.553	18.3	88	-0.01
50	S	Toluene-d8	50.000	46.760	6.5	92	0.00
51	T	4-Methyl-2-Pentanone	250.000	219.250	12.3	87	0.00
52	CM	Toluene	50.000	47.137	5.7#	98	0.00
53	T	t-1,3-Dichloropropene	50.000	46.094	7.8	94	0.00
54	T	cis-1,3-Dichloropropene	50.000	46.206	7.6	94	0.00
55	T	1,1,2-Trichloroethane	50.000	44.953	10.1	94	0.00
56	T	Ethyl methacrylate	50.000	45.029	9.9	91	0.00
57	T	1,3-Dichloropropane	50.000	45.696	8.6	94	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	243.746	2.5	101	0.00
59	T	2-Hexanone	250.000	220.088	12.0	88	0.00
60	T	Dibromochloromethane	50.000	45.114	9.8	92	0.00
61	T	1,2-Dibromoethane	50.000	45.960	8.1	95	0.00
62	S	4-Bromofluorobenzene	50.000	45.847	8.3	92	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64	T	Tetrachloroethene	50.000	45.398	9.2	94	0.00
65	PM	Chlorobenzene	50.000	45.953	8.1	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	45.464	9.1	94	0.00
67	C	Ethyl Benzene	50.000	47.248	5.5#	98	0.00
68	T	m/p-Xylenes	100.000	93.473	6.5	97	0.00
69	T	o-Xylene	50.000	45.959	8.1	96	0.00
70	T	Styrene	50.000	46.815	6.4	96	0.00
71	P	Bromoform	50.000	44.852	10.3	93	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73	T	Isopropylbenzene	50.000	46.933	6.1	97	0.00
74	T	N-amyl acetate	50.000	45.502	9.0	91	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	44.656	10.7	92	0.00
76	T	1,2,3-Trichloropropane	50.000	41.103	17.8	78	0.00
77	T	Bromobenzene	50.000	45.607	8.8	95	0.00
78	T	n-propylbenzene	50.000	46.696	6.6	96	0.00
79	T	2-Chlorotoluene	50.000	46.472	7.1	96	0.00
80	T	1,3,5-Trimethylbenzene	50.000	46.876	6.2	96	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	42.968	14.1	91	0.00
82	T	4-Chlorotoluene	50.000	46.289	7.4	95	0.00
83	T	tert-Butylbenzene	50.000	47.655	4.7	99	0.00
84	T	1,2,4-Trimethylbenzene	50.000	46.735	6.5	97	0.00
85	T	sec-Butylbenzene	50.000	47.241	5.5	98	0.00
86	T	p-Isopropyltoluene	50.000	47.321	5.4	98	0.00
87	T	1,3-Dichlorobenzene	50.000	45.932	8.1	97	0.00
88	T	1,4-Dichlorobenzene	50.000	45.113	9.8	94	0.00
89	T	n-Butylbenzene	50.000	47.968	4.1	98	0.00
90	T	Hexachloroethane	50.000	47.101	5.8	97	0.00
91	T	1,2-Dichlorobenzene	50.000	45.213	9.6	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	44.665	10.7	87	0.00
93	T	1,2,4-Trichlorobenzene	50.000	46.481	7.0	96	0.00
94	T	Hexachlorobutadiene	50.000	45.457	9.1	95	0.00
95	T	Naphthalene	50.000	45.009	10.0	90	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 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	44.331	11.3	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VN086996.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: TETR06

Lab Code: CHEM Case No.: Q2314 SAS No.: Q2314 SDG No.: Q2314

Instrument ID: MSVOA_N Calibration Date/Time: 06/13/2025 12:52

Lab File ID: VN086996.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.644	0.562	0.1	-12.73	20
Vinyl Chloride	0.664	0.695		4.67	20
Bromomethane	0.372	0.351		-5.64	20
Chloroethane	0.429	0.449		4.66	20
Trichlorofluoromethane	0.868	0.867		-0.12	20
1,1,2-Trichlorotrifluoroethane	0.545	0.537		-1.47	20
1,1-Dichloroethene	0.557	0.581		4.31	20
Acetone	0.355	0.346		-2.54	20
Carbon Disulfide	1.539	1.720		11.76	20
Methyl tert-butyl Ether	2.015	2.241		11.22	20
Methylene Chloride	0.665	0.715		7.52	20
trans-1,2-Dichloroethene	0.619	0.648		4.68	20
1,1-Dichloroethane	1.120	1.168	0.1	4.29	20
2-Butanone	0.577	0.570		-1.21	20
Carbon Tetrachloride	0.433	0.421		-2.77	20
cis-1,2-Dichloroethene	0.740	0.814		10	20
Chloroform	1.118	1.162		3.94	20
1,1,1-Trichloroethane	0.951	0.927		-2.52	20
Methylcyclohexane	0.605	0.537		-11.24	20
Benzene	1.444	1.500		3.88	20
1,2-Dichloroethane	0.438	0.467		6.62	20
Trichloroethene	0.342	0.362		5.85	20
1,2-Dichloropropane	0.351	0.370		5.41	20
Bromodichloromethane	0.480	0.515		7.29	20
4-Methyl-2-Pentanone	0.543	0.558		2.76	20
Toluene	0.882	0.929		5.33	20
t-1,3-Dichloropropene	0.537	0.613		14.15	20
cis-1,3-Dichloropropene	0.574	0.640		11.5	20
1,1,2-Trichloroethane	0.340	0.373		9.71	20
2-Hexanone	0.350	0.375		7.14	20
Dibromochloromethane	0.354	0.405		14.41	20
Tetrachloroethene	0.316	0.312		-1.27	20
Chlorobenzene	1.103	1.165	0.3	5.62	20
Ethyl Benzene	1.900	1.898		-0.1	20
m/p-Xylenes	0.727	0.748		2.89	20
o-Xylene	0.696	0.743		6.75	20
Styrene	1.192	1.276		7.05	20
Bromoform	0.263	0.307	0.1	16.73	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: **VN086996.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2314 SAS No.: Q2314 SDG No.: Q2314

Instrument ID: MSVOA_N Calibration Date/Time: 06/13/2025 12:52

Lab File ID: VN086996.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.643	3.469		-4.78	20
1,1,2,2-Tetrachloroethane	1.234	1.316	0.3	6.64	20
1,3-Dichlorobenzene	1.644	1.702		3.53	20
1,4-Dichlorobenzene	1.676	1.762		5.13	20
1,2-Dichlorobenzene	1.579	1.647		4.31	20
1,2-Dichloroethane-d4	0.669	0.665		-0.6	20
Dibromofluoromethane	0.296	0.318		7.43	20
Toluene-d8	1.173	1.131		-3.58	20
4-Bromofluorobenzene	0.436	0.446		2.29	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_N\Data\VN061325\
Data File : VN086996.D
Acq On : 13 Jun 2025 12:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 14 00:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	190412	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	349185	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	311622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	154974	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	126564	49.645	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.280%			
35) Dibromofluoromethane	8.171	113	110945	53.613	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.220%			
50) Toluene-d8	10.571	98	395054	48.224	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.440%			
62) 4-Bromofluorobenzene	12.847	95	155769	51.180	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	94130	49.581	ug/l	99
3) Chloromethane	2.395	50	106972	43.634	ug/l	95
4) Vinyl Chloride	2.553	62	132265	52.300	ug/l	98
5) Bromomethane	2.989	94	66850	47.236	ug/l	91
6) Chloroethane	3.153	64	85416	52.288	ug/l	97
7) Trichlorofluoromethane	3.524	101	165154	49.983	ug/l	98
8) Diethyl Ether	3.983	74	85377	59.305	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.400	101	102200	49.231	ug/l	99
10) Methyl Iodide	4.618	142	81332	30.223	ug/l	96
11) Tert butyl alcohol	5.542	59	179272	259.155	ug/l	98
12) 1,1-Dichloroethene	4.365	96	110621	52.196	ug/l	89
13) Acrolein	4.200	56	29452	134.505	ug/l	99
14) Allyl chloride	5.047	41	167560	47.673	ug/l	95
15) Acrylonitrile	5.736	53	429249	265.480	ug/l	100
16) Acetone	4.447	43	329234	243.522	ug/l	96
17) Carbon Disulfide	4.742	76	327418	55.851	ug/l	100
18) Methyl Acetate	5.047	43	165652	42.045	ug/l	97
19) Methyl tert-butyl Ether	5.812	73	426708	55.607	ug/l	100
20) Methylene Chloride	5.294	84	136185	53.804	ug/l	93
21) trans-1,2-Dichloroethene	5.806	96	123359	52.316	ug/l	97
22) Diisopropyl ether	6.689	45	372100	50.223	ug/l	96
23) Vinyl Acetate	6.618	43	1729112	276.228	ug/l	97
24) 1,1-Dichloroethane	6.588	63	222402	52.162	ug/l	100
25) 2-Butanone	7.494	43	542418	246.825	ug/l	96
26) 2,2-Dichloropropane	7.500	77	181352	54.680	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	154905	54.931	ug/l	96
28) Bromochloromethane	7.824	49	114442	54.591	ug/l	90
29) Tetrahydrofuran	7.847	42	358784	250.623	ug/l	93
30) Chloroform	7.977	83	221340	51.983	ug/l	100
31) Cyclohexane	8.265	56	181882	43.987	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	176440	48.720	ug/l	98
36) 1,1-Dichloropropene	8.383	75	154064	49.963	ug/l	99
37) Ethyl Acetate	7.571	43	207704	52.914	ug/l	99
38) Carbon Tetrachloride	8.371	117	147019	48.564	ug/l	96
39) Methylcyclohexane	9.606	83	187509	44.385	ug/l	95
40) Benzene	8.612	78	523742	51.942	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086996.D
Acq On : 13 Jun 2025 12:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 14 00:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.783	41	107515	48.771	ug/l		92
42) 1,2-Dichloroethane	8.677	62	163016	53.302	ug/l		99
43) Isopropyl Acetate	8.694	43	315339	50.052	ug/l		95
44) Trichloroethene	9.359	130	126250	52.804	ug/l		97
45) 1,2-Dichloropropane	9.624	63	129173	52.657	ug/l		97
46) Dibromomethane	9.712	93	92427	56.724	ug/l		98
47) Bromodichloromethane	9.894	83	179817	53.637	ug/l		99
48) Methyl methacrylate	9.682	41	144695	49.899	ug/l		93
49) 1,4-Dioxane	9.700	88	60881	1154.073	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.447	43	974766	257.005	ug/l		96
52) Toluene	10.629	92	324520	52.663	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	213932	57.068	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	223518	55.726	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	130409	55.000	ug/l		98
56) Ethyl methacrylate	10.882	69	221967	58.775	ug/l		93
57) 1,3-Dichloropropane	11.165	76	225149	54.739	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	640810	284.484	ug/l		97
59) 2-Hexanone	11.200	43	655260	268.212	ug/l		91
60) Dibromochloromethane	11.359	129	141550	57.298	ug/l		99
61) 1,2-Dibromoethane	11.471	107	138863	57.138	ug/l		99
64) Tetrachloroethene	11.106	164	97092	49.232	ug/l		94
65) Chlorobenzene	11.894	112	363108	52.832	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	118773	53.761	ug/l		99
67) Ethyl Benzene	11.965	91	591507	49.965	ug/l		99
68) m/p-Xylenes	12.070	106	466007	102.831	ug/l		99
69) o-Xylene	12.400	106	231655	53.373	ug/l		96
70) Styrene	12.412	104	397750	53.555	ug/l		99
71) Bromoform	12.576	173	95755	58.496	ug/l	#	98
73) Isopropylbenzene	12.694	105	537619	47.619	ug/l		99
74) N-amyl acetate	12.512	43	194530	49.308	ug/l		93
75) 1,1,2,2-Tetrachloroethane	12.935	83	203942	53.321	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	178162m	48.364	ug/l		
77) Bromobenzene	12.982	156	141660	54.712	ug/l		95
78) n-propylbenzene	13.035	91	639643	46.620	ug/l		98
79) 2-Chlorotoluene	13.123	91	404220	49.126	ug/l		97
80) 1,3,5-Trimethylbenzene	13.170	105	454100	48.717	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	87402	54.616	ug/l		95
82) 4-Chlorotoluene	13.223	91	417942	50.200	ug/l		99
83) tert-Butylbenzene	13.435	119	392634	46.017	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	463629	49.602	ug/l		98
85) sec-Butylbenzene	13.612	105	540317	43.606	ug/l		99
86) p-Isopropyltoluene	13.729	119	462226	45.127	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	263729	51.771	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	273095	52.583	ug/l		99
89) n-Butylbenzene	14.053	91	413779	41.707	ug/l		100
90) Hexachloroethane	14.335	117	80241	46.217	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	255209	52.145	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	45388	49.620	ug/l		92
93) 1,2,4-Trichlorobenzene	15.388	180	149493	47.834	ug/l		99
94) Hexachlorobutadiene	15.500	225	42985	36.917	ug/l		99
95) Naphthalene	15.635	128	604305	51.949	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	142985	46.049	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086996.D
Acq On : 13 Jun 2025 12:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 14 00:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

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

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

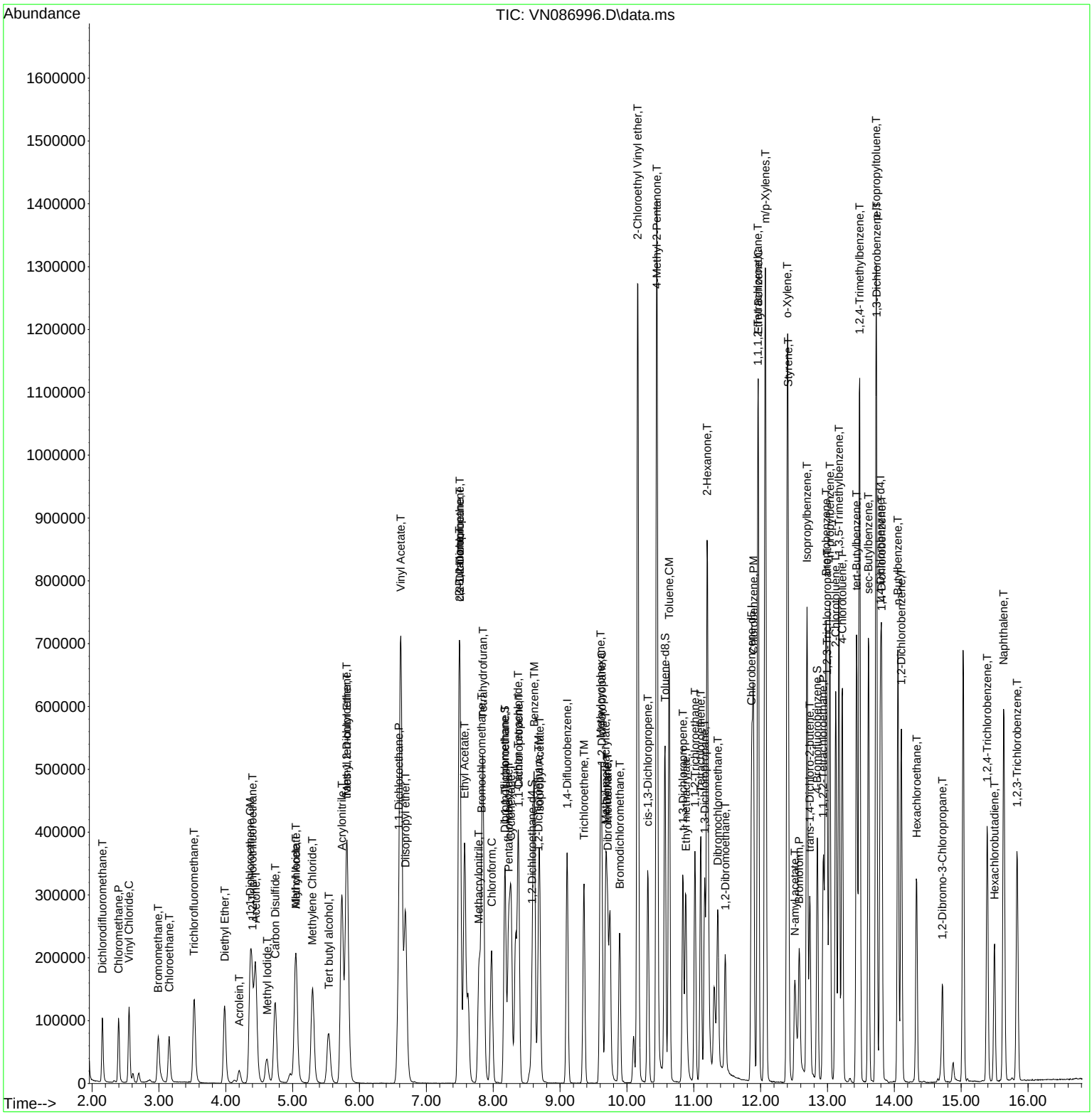
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086996.D
Acq On : 13 Jun 2025 12:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

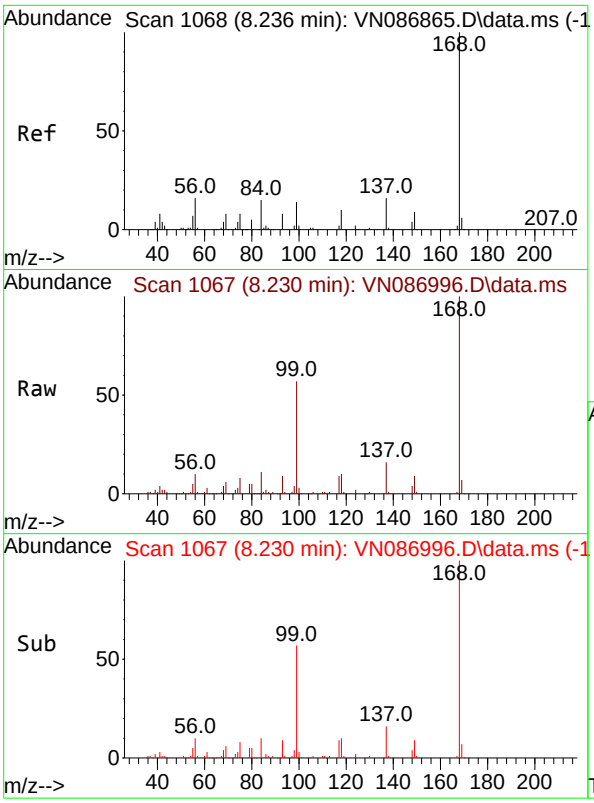
Quant Time: Jun 14 00:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

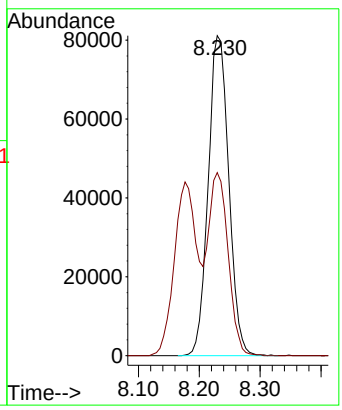




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:168 Resp: 19041

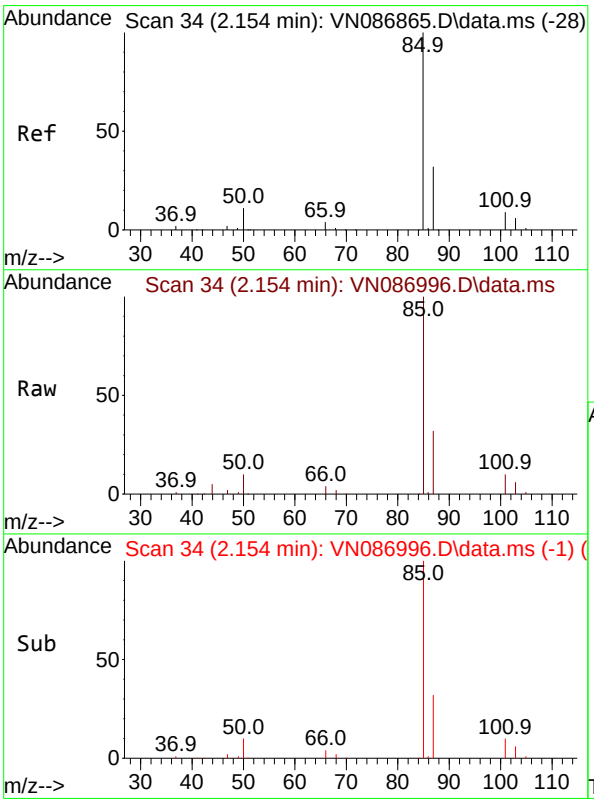
Ion	Ratio	Lower	Upper
168	100		
99	57.2	49.1	73.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

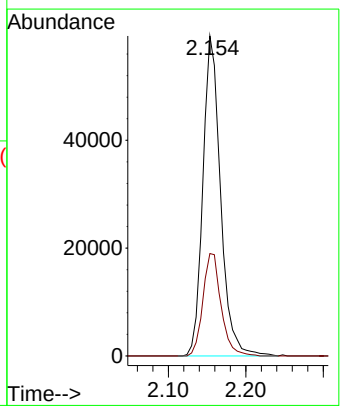
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

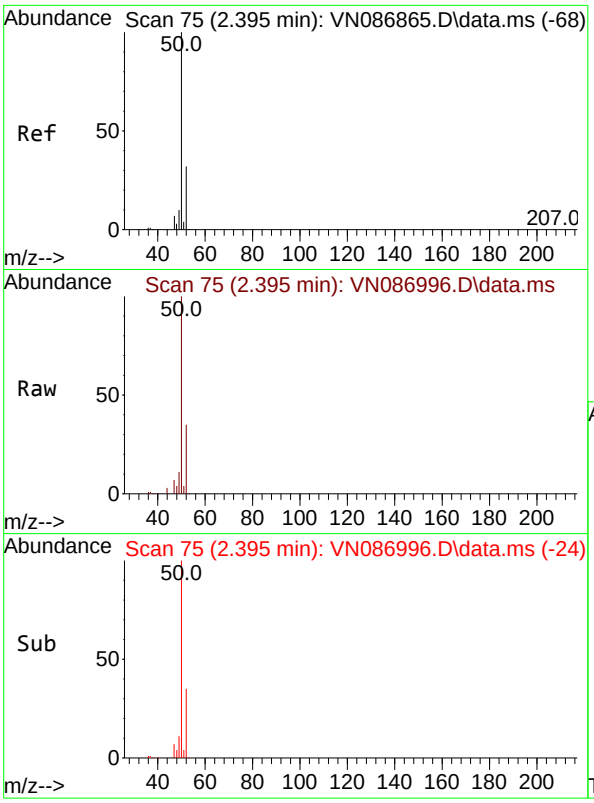


#2
Dichlorodifluoromethane
Concen: 49.581 ug/l
RT: 2.154 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 85 Resp: 94130

Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.2	48.6

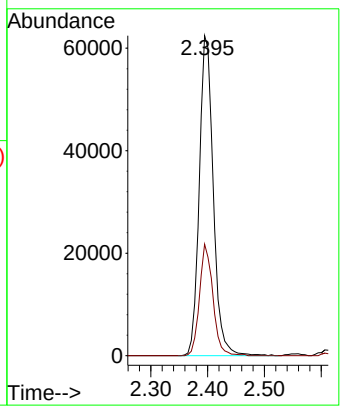




#3
Chloromethane
Concen: 43.634 ug/l
RT: 2.395 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 50 Resp: 10697

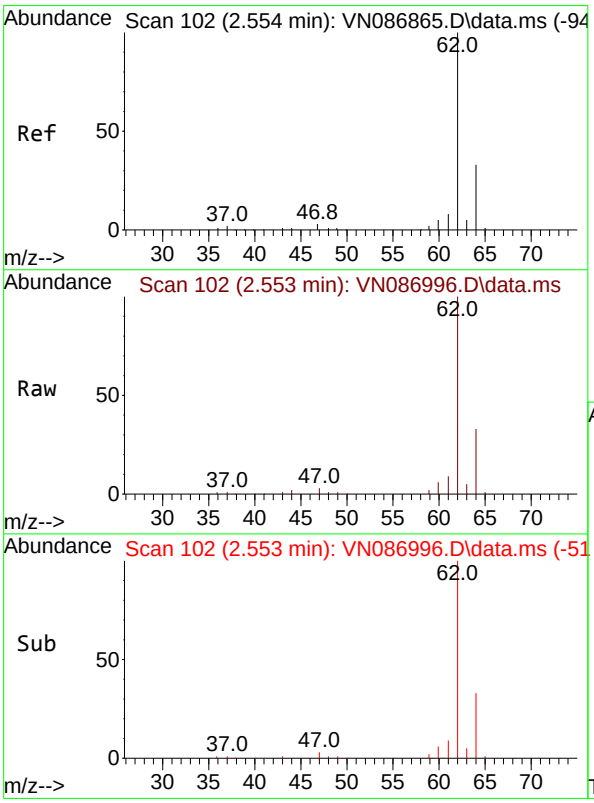
Ion	Ratio	Lower	Upper
50	100		
52	34.8	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

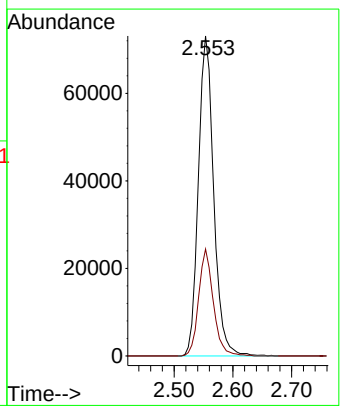
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

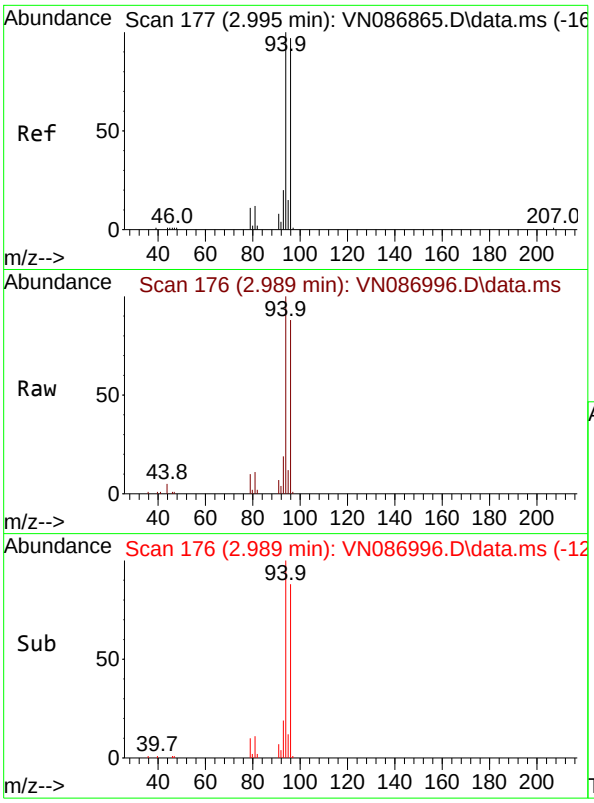


#4
Vinyl Chloride
Concen: 52.300 ug/l
RT: 2.553 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 62 Resp: 132265

Ion	Ratio	Lower	Upper
62	100		
64	33.4	26.0	39.0

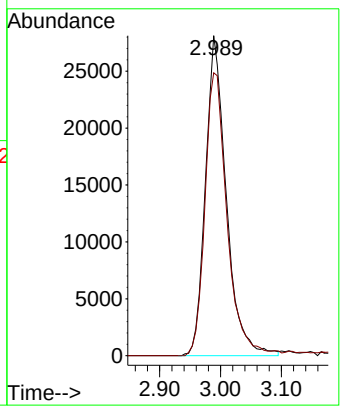




#5
Bromomethane
Concen: 47.236 ug/l
RT: 2.989 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 94 Resp: 6685

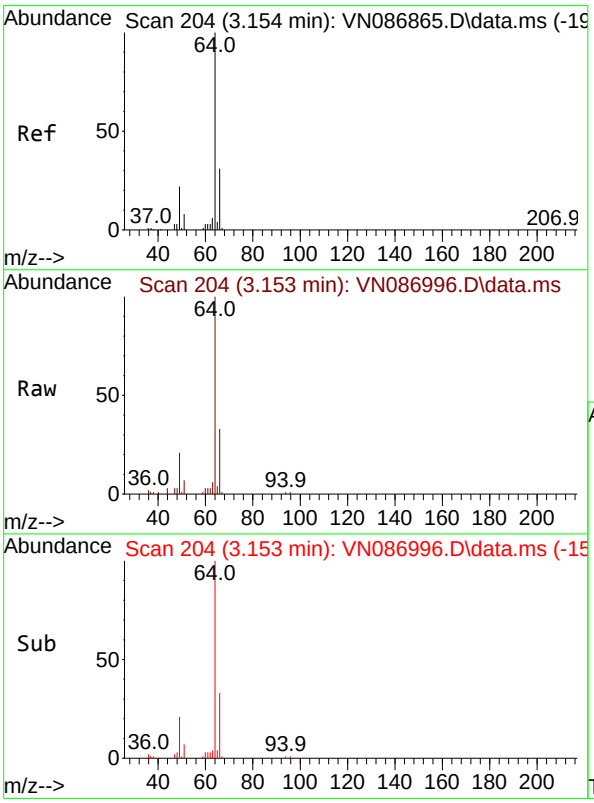
Ion	Ratio	Lower	Upper
94	100		
96	88.4	77.9	116.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

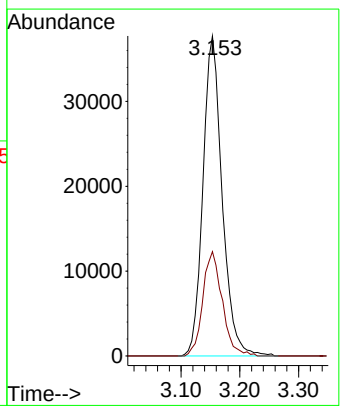
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

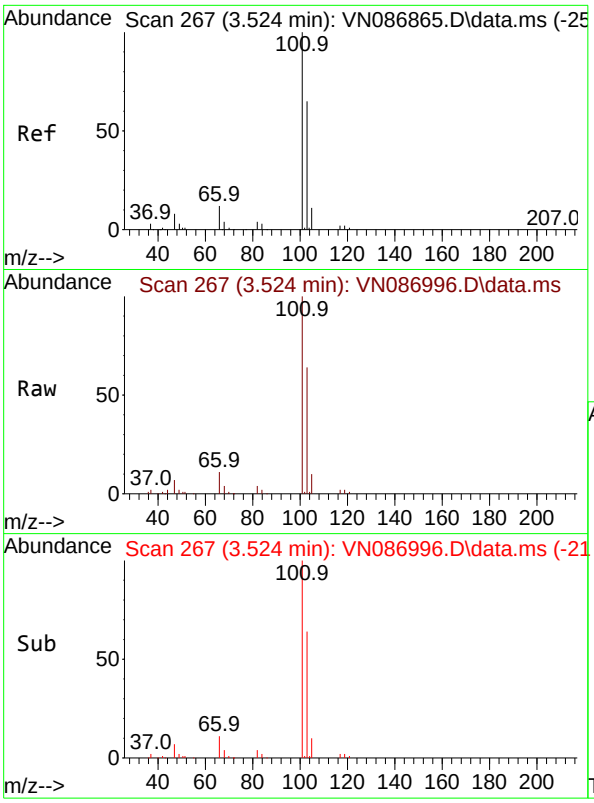


#6
Chloroethane
Concen: 52.288 ug/l
RT: 3.153 min Scan# 204
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 64 Resp: 85416

Ion	Ratio	Lower	Upper
64	100		
66	32.6	24.6	36.8





#7
Trichlorofluoromethane
Concen: 49.983 ug/l
RT: 3.524 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

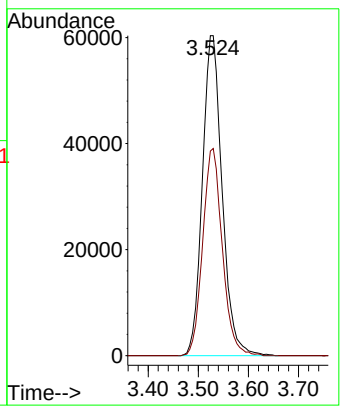
Tgt Ion:101 Resp: 16515

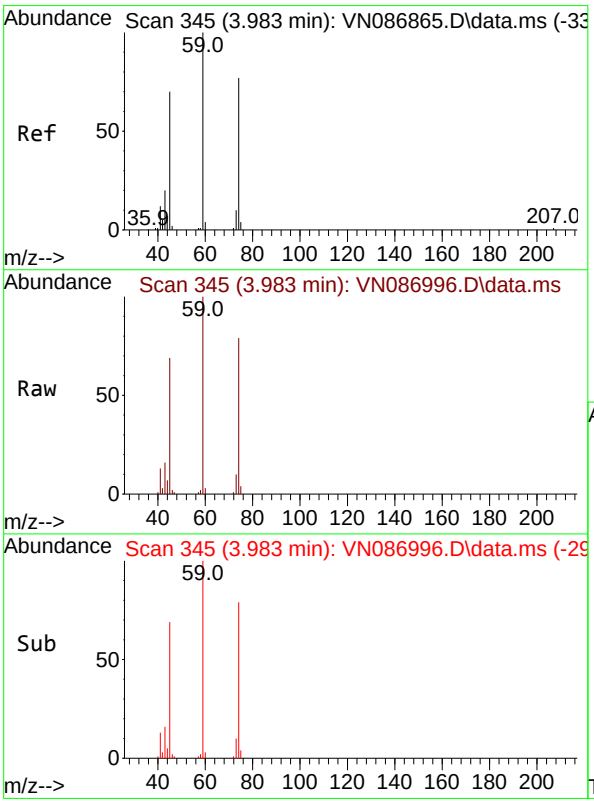
Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.2	78.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

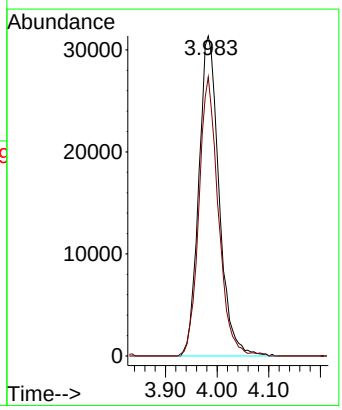


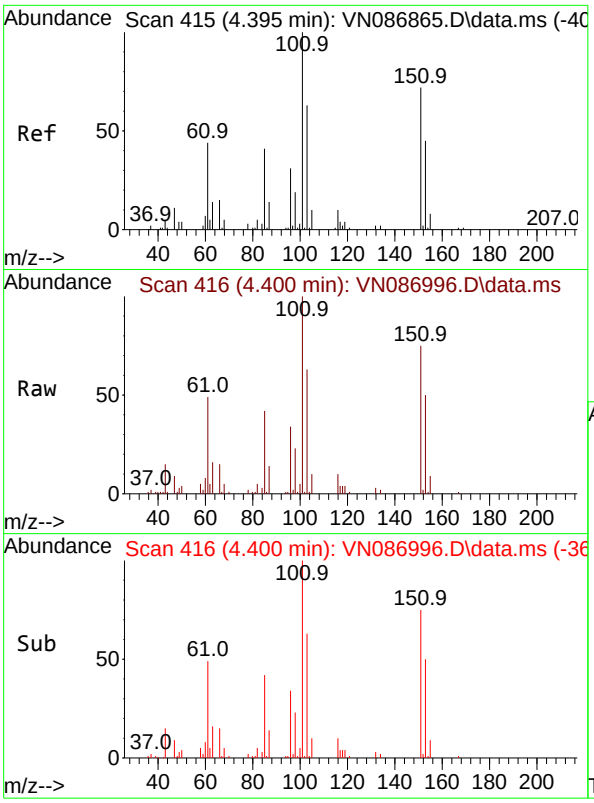


#8
Diethyl Ether
Concen: 59.305 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 74 Resp: 85377

Ion	Ratio	Lower	Upper
74	100		
45	83.8	45.5	136.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.231 ug/l
RT: 4.400 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

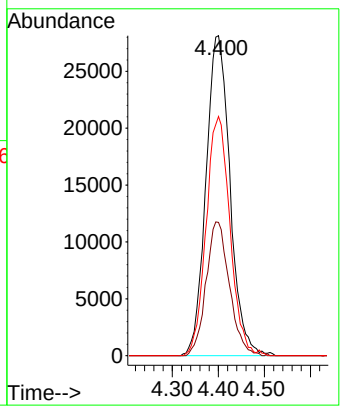
Tgt Ion:101 Resp: 10220

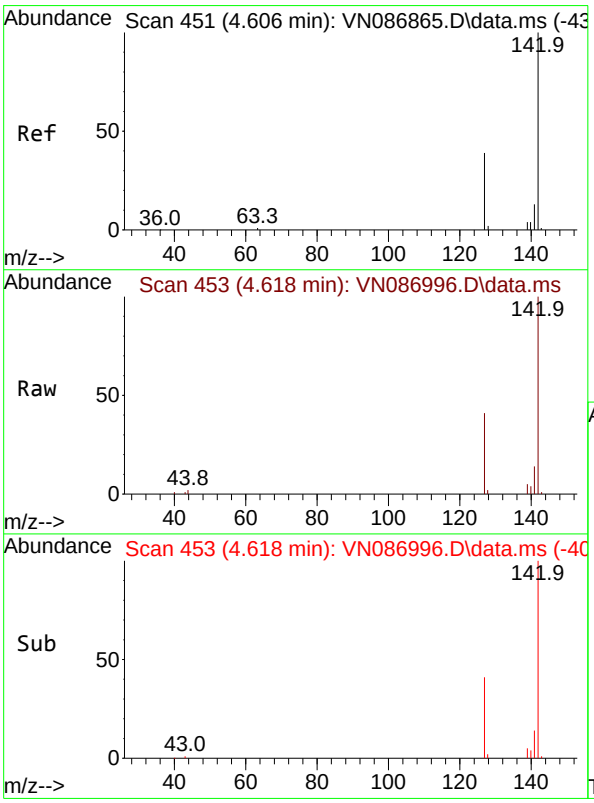
Ion	Ratio	Lower	Upper
101	100		
85	40.5	33.8	50.8
151	73.7	58.7	88.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

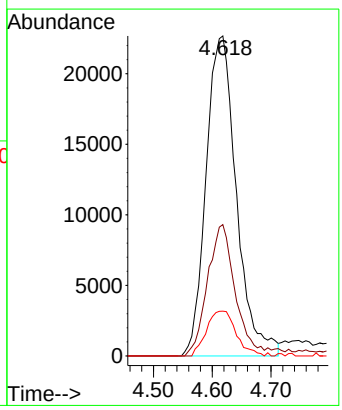


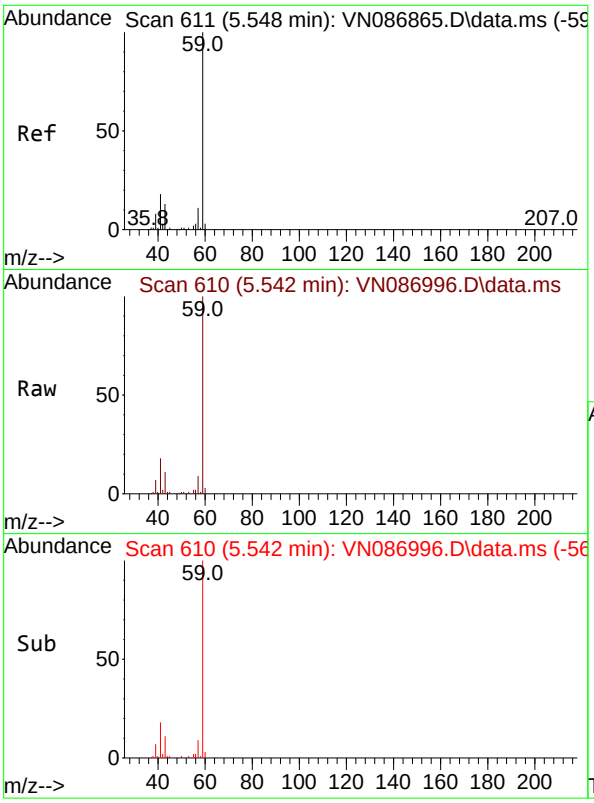


#10
Methyl Iodide
Concen: 30.223 ug/l
RT: 4.618 min Scan# 453
Delta R.T. 0.012 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:142 Resp: 81332

Ion	Ratio	Lower	Upper
142	100		
127	41.0	30.9	46.3
141	14.0	10.4	15.6





#11
Tert butyl alcohol
Concen: 259.155 ug/l
RT: 5.542 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

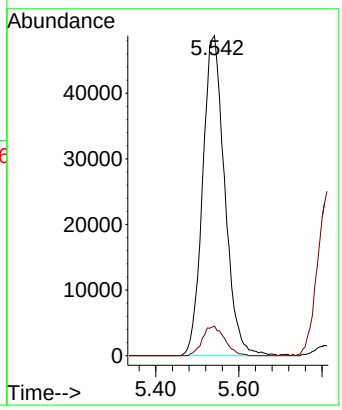
Tgt Ion: 59 Resp: 17927

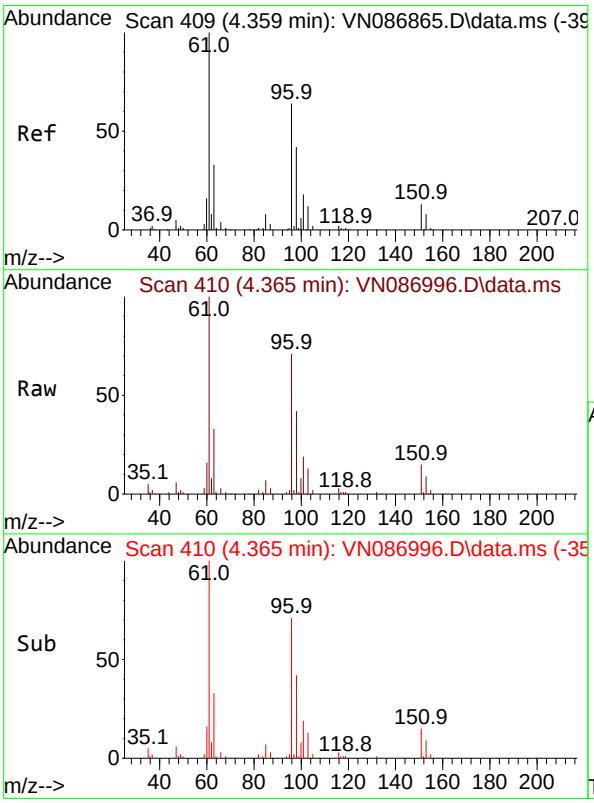
Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.1	12.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

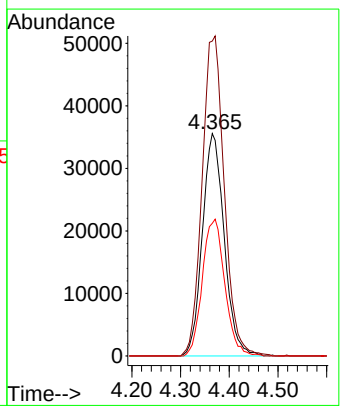


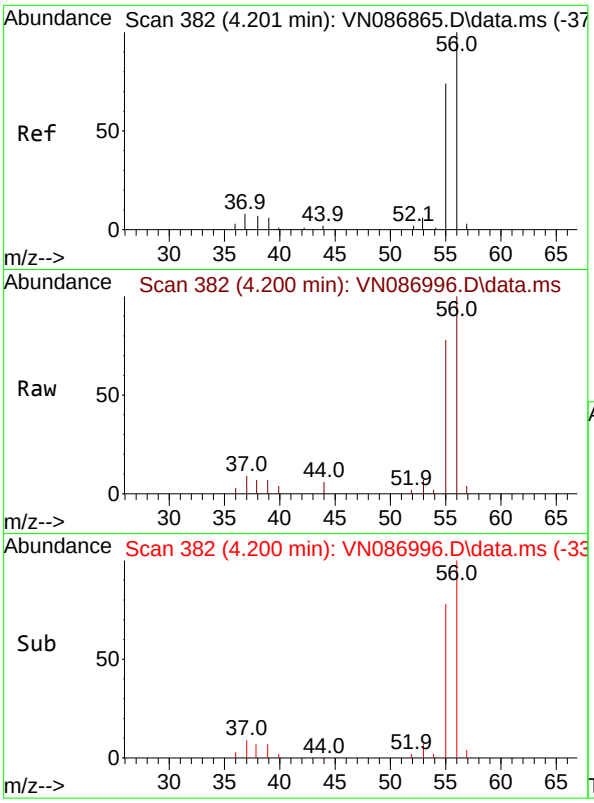


#12
1,1-Dichloroethene
Concen: 52.196 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 96 Resp: 110621

Ion	Ratio	Lower	Upper
96	100		
61	141.6	125.8	188.6
98	59.6	52.5	78.7





#13
Acrolein
Concen: 134.505 ug/l
RT: 4.200 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

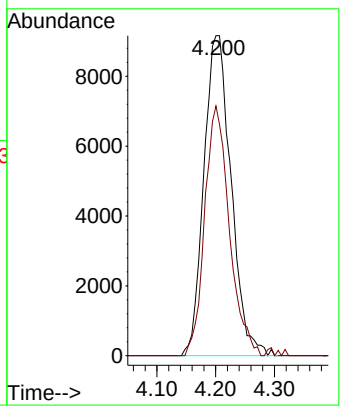
Tgt Ion: 56 Resp: 2945

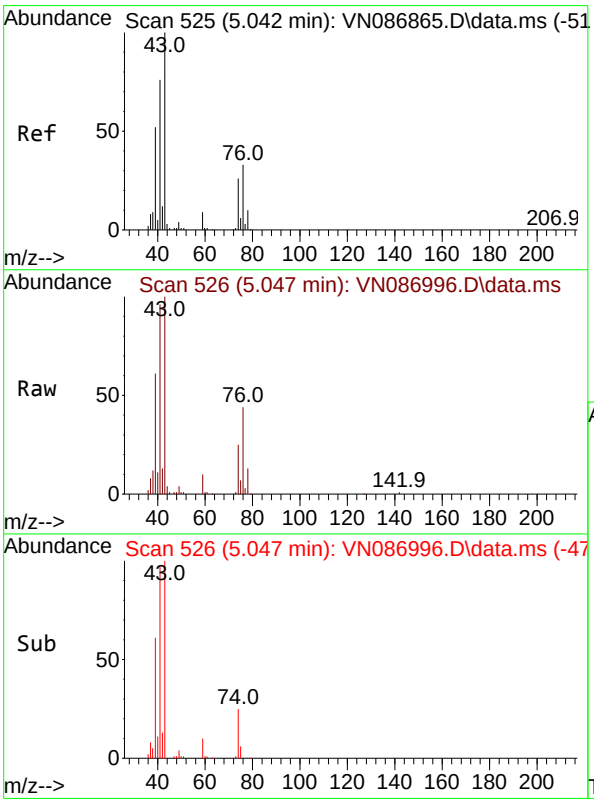
Ion	Ratio	Lower	Upper
56	100		
55	70.7	55.6	83.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

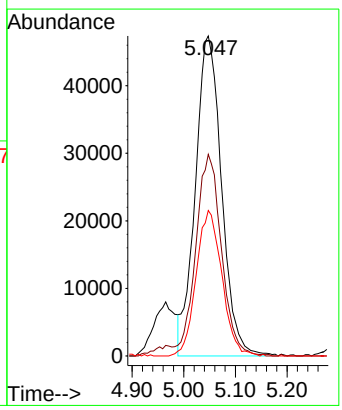


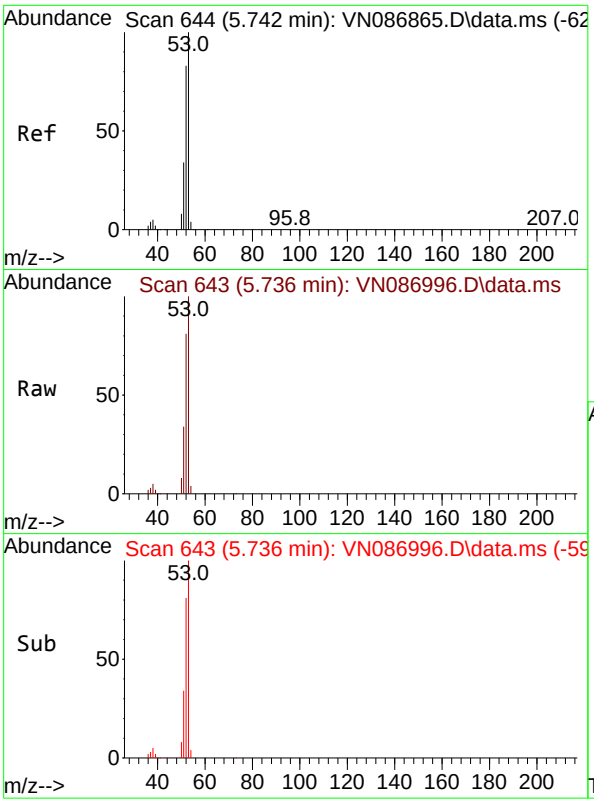


#14
Allyl chloride
Concen: 47.673 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 41 Resp: 167560

Ion	Ratio	Lower	Upper
41	100		
39	61.5	51.3	76.9
76	44.4	31.4	47.0





#15
Acrylonitrile
Concen: 265.480 ug/l
RT: 5.736 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

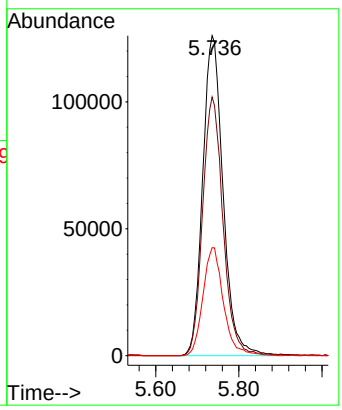
Tgt Ion: 53 Resp: 42924

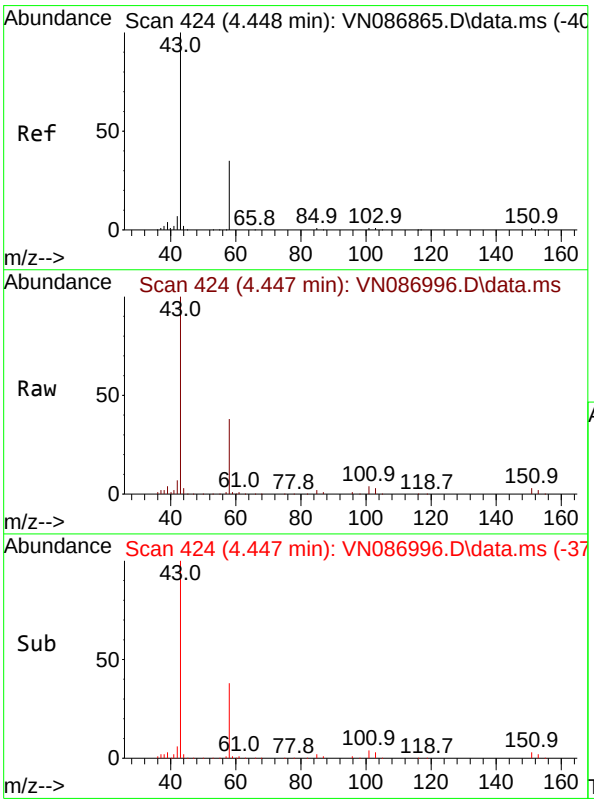
Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.0	97.6
51	34.0	27.2	40.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

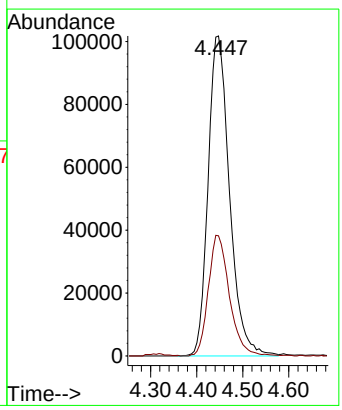


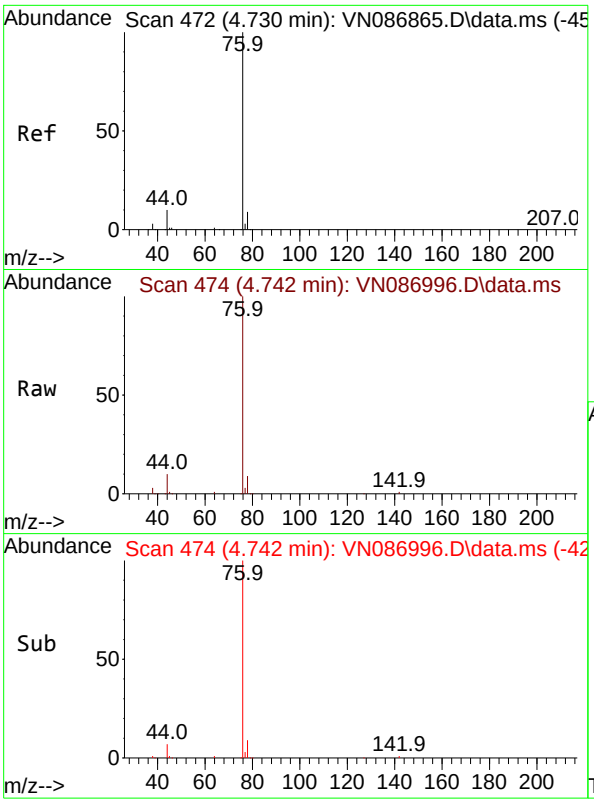


#16
Acetone
Concen: 243.522 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 43 Resp: 329234

Ion	Ratio	Lower	Upper
43	100		
58	37.3	28.0	42.0

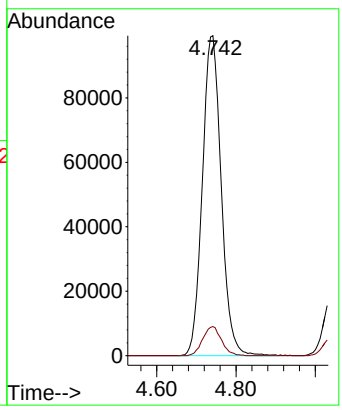




#17
Carbon Disulfide
Concen: 55.851 ug/l
RT: 4.742 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 76 Resp: 32741

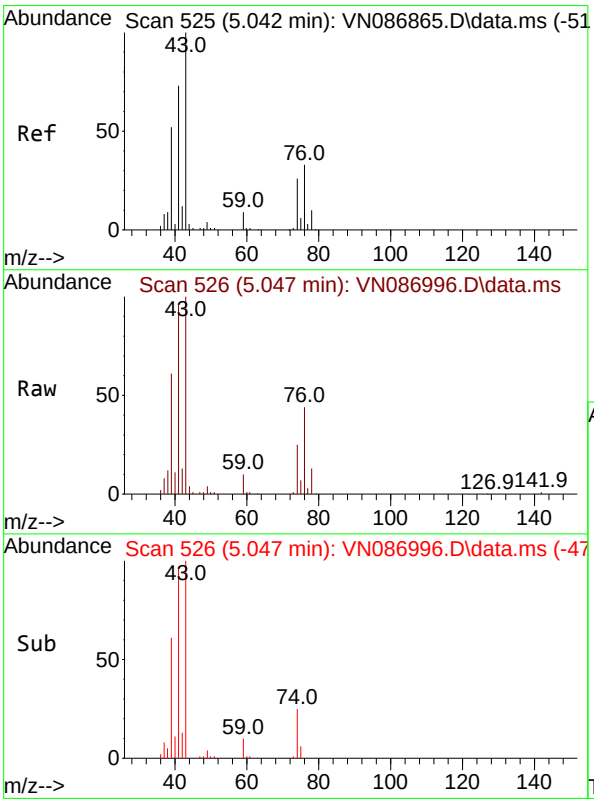
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

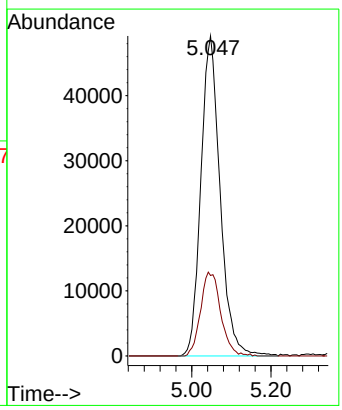
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

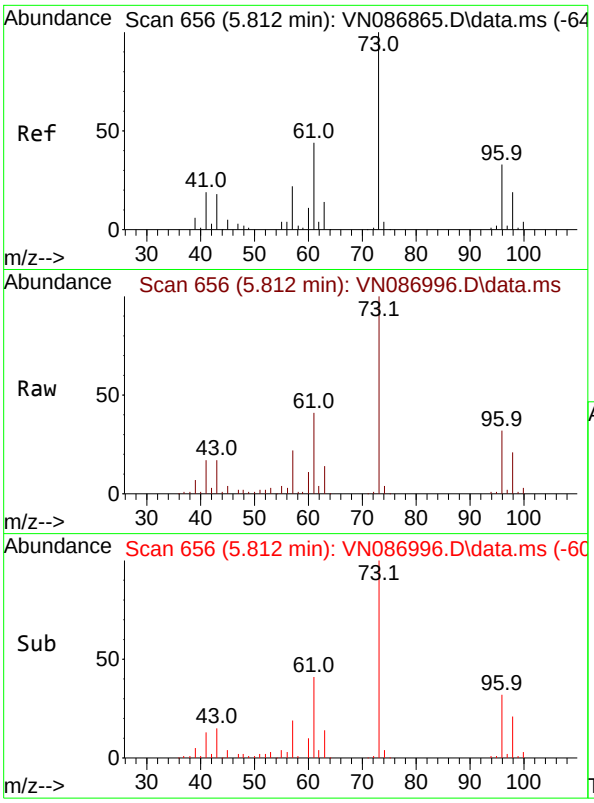


#18
Methyl Acetate
Concen: 42.045 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 43 Resp: 165652

Ion	Ratio	Lower	Upper
43	100		
74	27.4	20.7	31.1

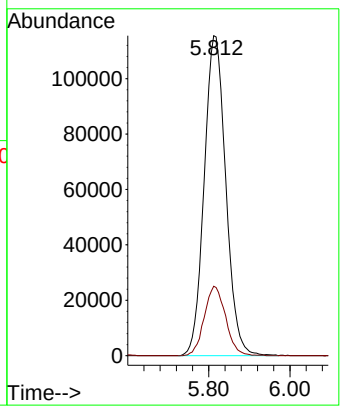




#19
Methyl tert-butyl Ether
Concen: 55.607 ug/l
RT: 5.812 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 73 Resp: 42670

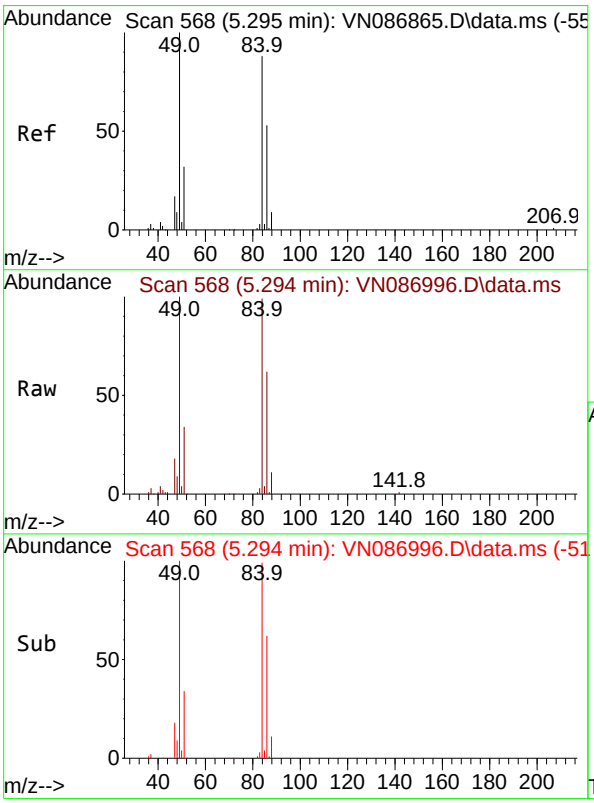
Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

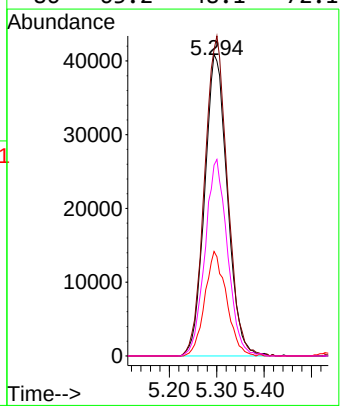
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

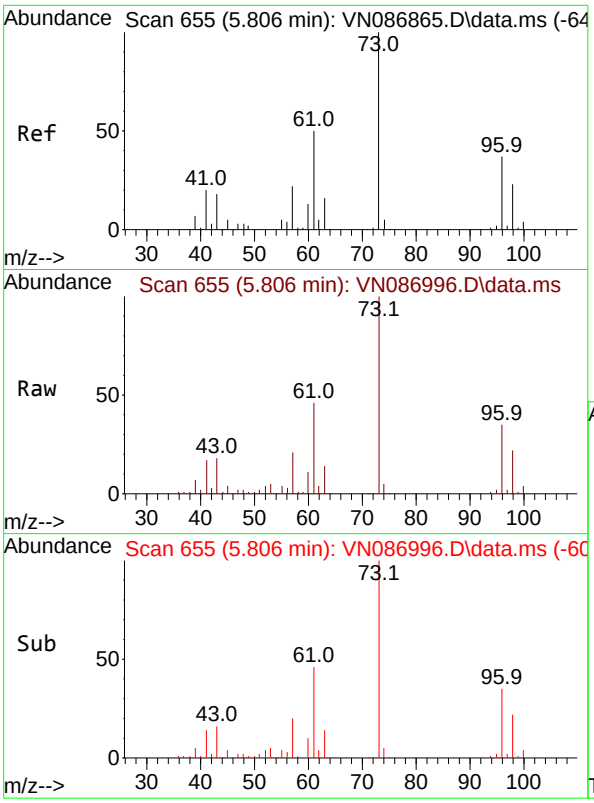


#20
Methylene Chloride
Concen: 53.804 ug/l
RT: 5.294 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 84 Resp: 136185

Ion	Ratio	Lower	Upper
84	100		
49	101.4	90.5	135.7
51	34.6	28.5	42.7
86	63.2	48.1	72.1

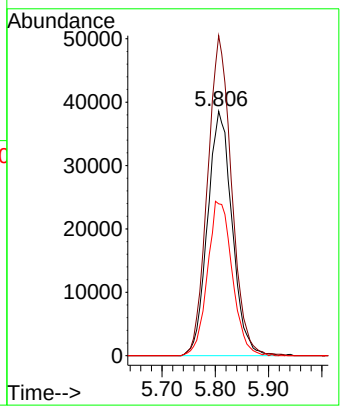




#21
trans-1,2-Dichloroethene
Concen: 52.316 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 96 Resp: 12335

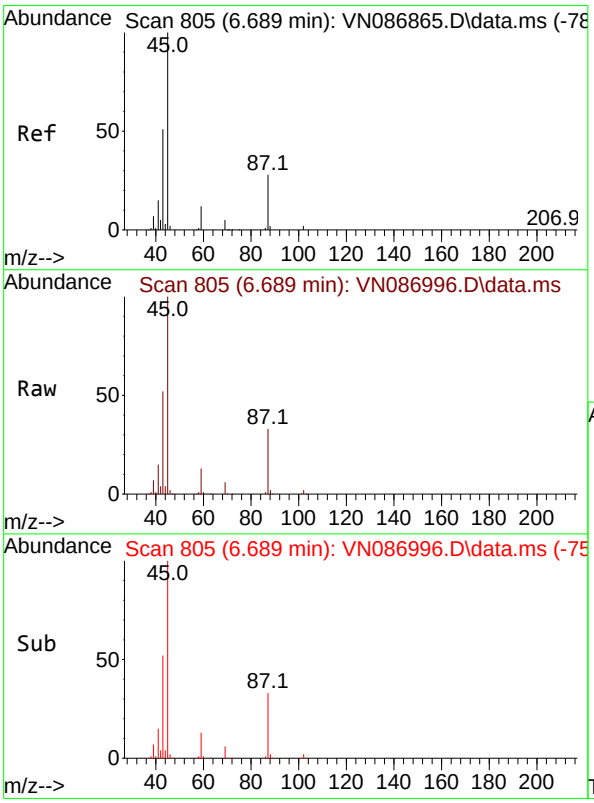
Ion	Ratio	Lower	Upper
96	100		
61	130.9	109.2	163.8
98	62.1	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

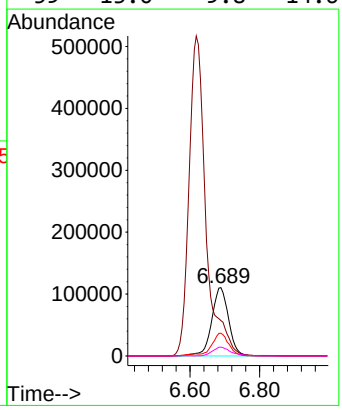
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

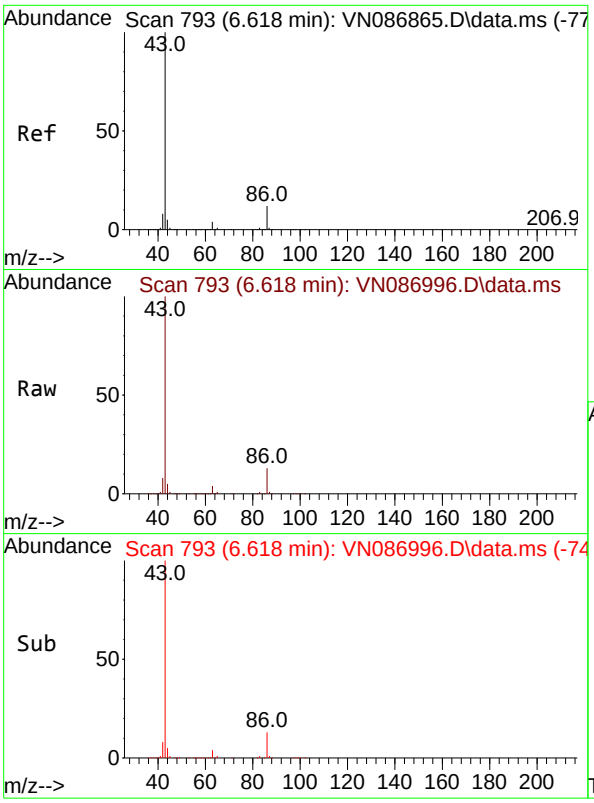


#22
Diisopropyl ether
Concen: 50.223 ug/l
RT: 6.689 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 45 Resp: 372100

Ion	Ratio	Lower	Upper
45	100		
43	51.5	41.9	62.9
87	33.3	22.4	33.6
59	13.0	9.8	14.6





#23
Vinyl Acetate
Concen: 276.228 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

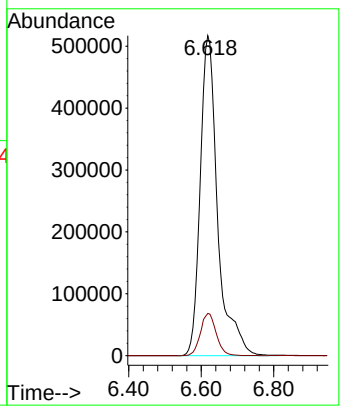
Tgt Ion: 43 Resp: 172911

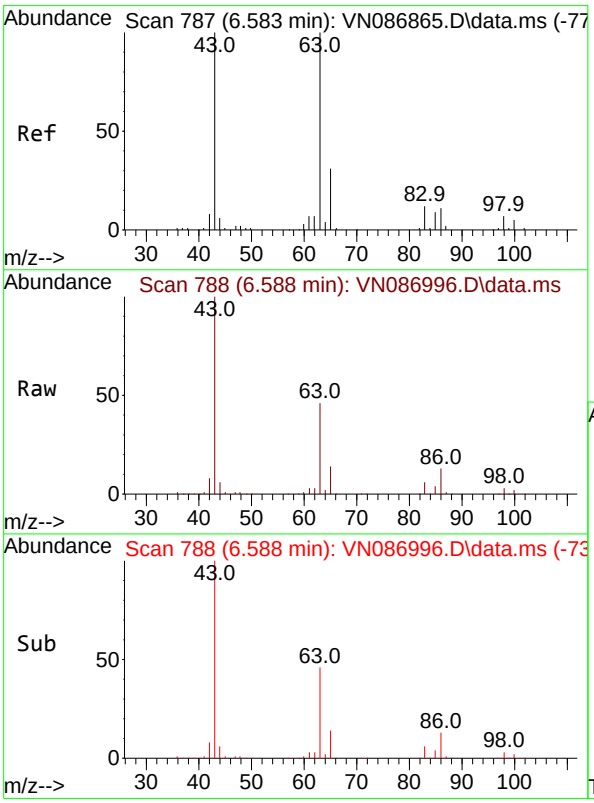
Ion	Ratio	Lower	Upper
43	100		
86	13.2	9.5	14.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

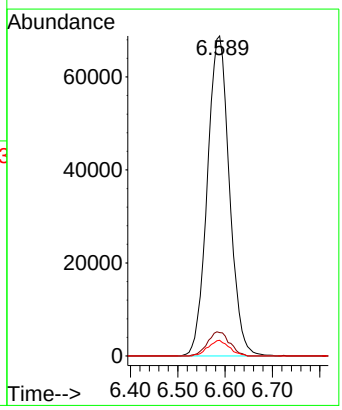


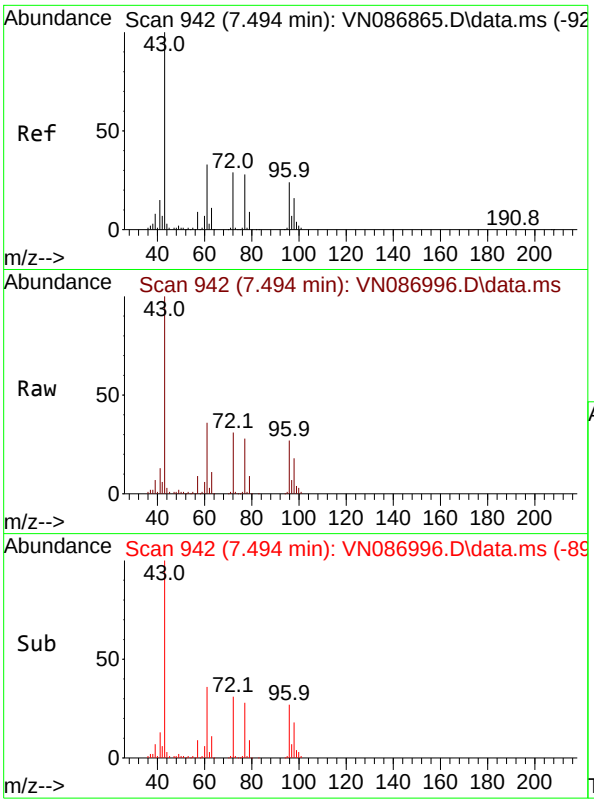


#24
1,1-Dichloroethane
Concen: 52.162 ug/l
RT: 6.588 min Scan# 788
Delta R.T. 0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 63 Resp: 222402

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.6	10.8
100	4.9	2.6	7.8





#25
2-Butanone
Concen: 246.825 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

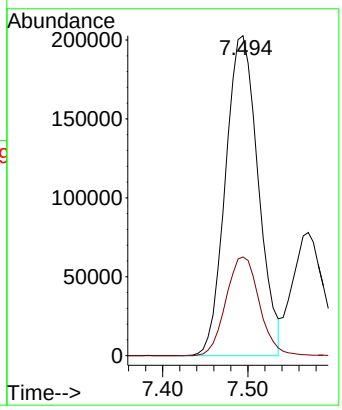
Tgt Ion: 43 Resp: 54241

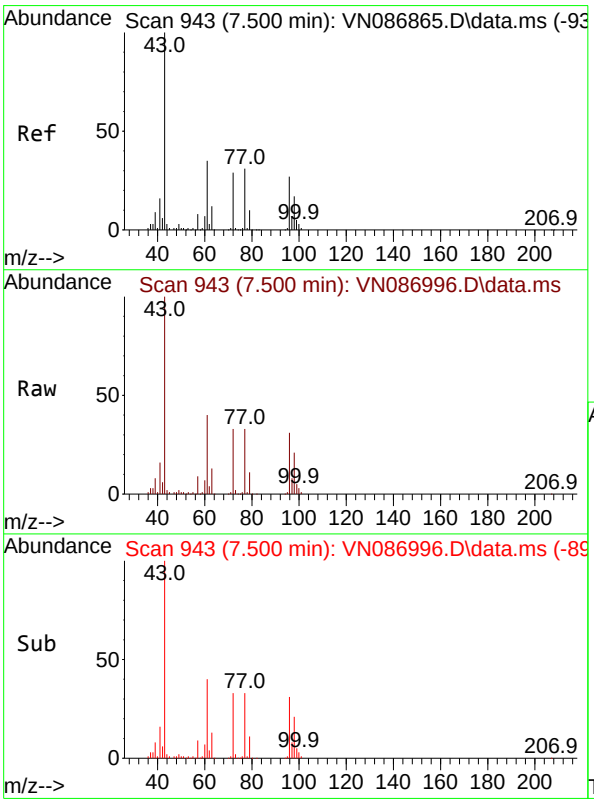
Ion	Ratio	Lower	Upper
43	100		
72	30.8	23.0	34.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

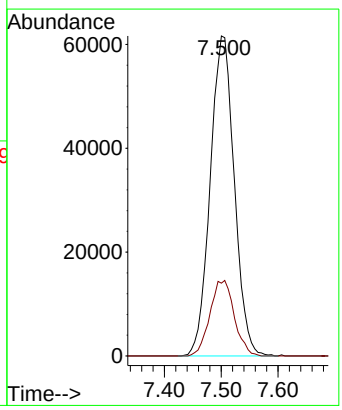


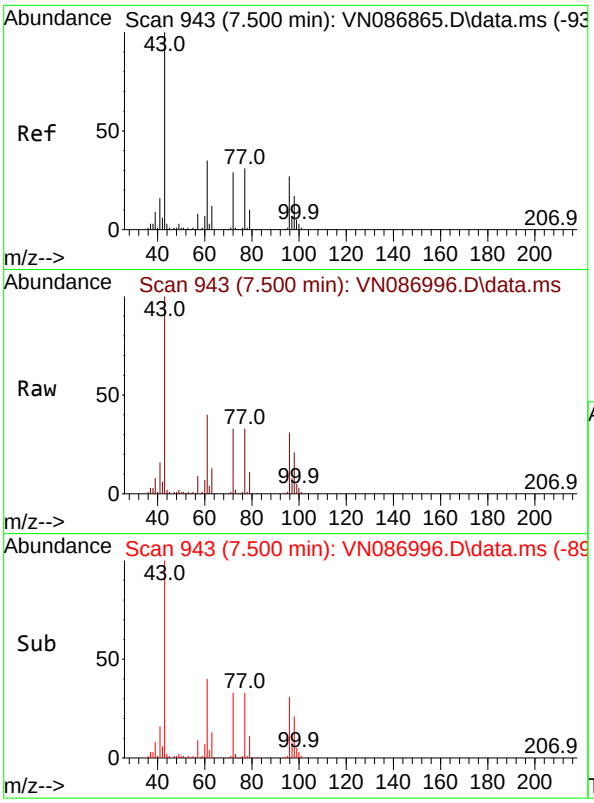


#26
2,2-Dichloropropane
Concen: 54.680 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 77 Resp: 181352

Ion	Ratio	Lower	Upper
77	100		
97	23.9	11.6	34.7





#27
cis-1,2-Dichloroethene
Concen: 54.931 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

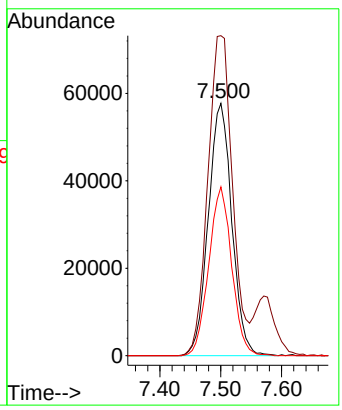
Tgt Ion: 96 Resp: 15490

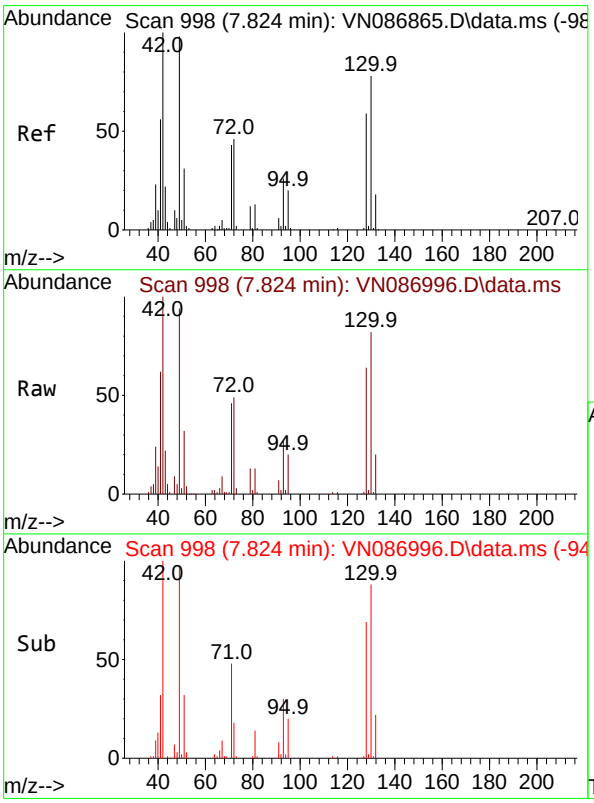
Ion	Ratio	Lower	Upper
96	100		
61	133.1	0.0	278.0
98	65.3	0.0	128.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

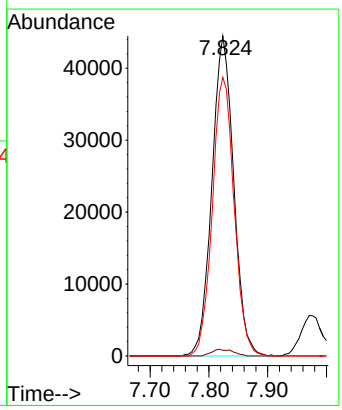


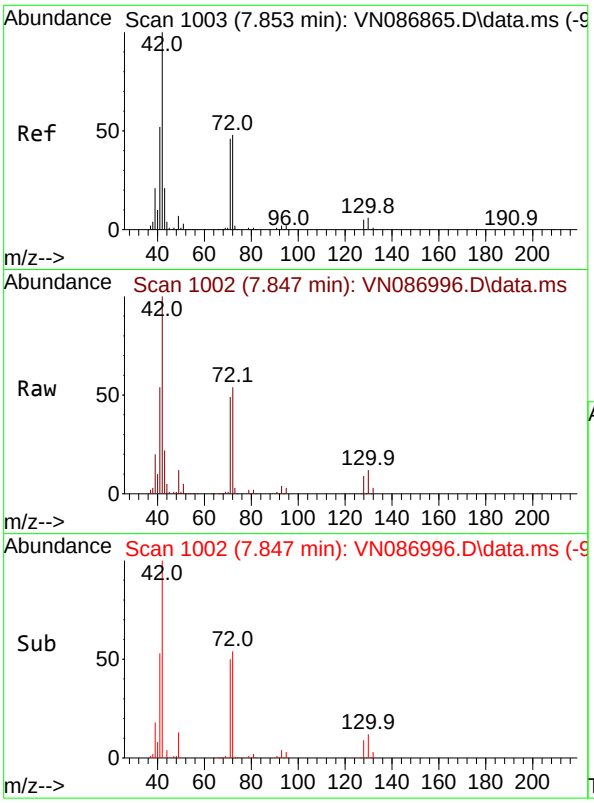


#28
Bromochloromethane
Concen: 54.591 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 49 Resp: 114442

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	87.0	62.2	93.2

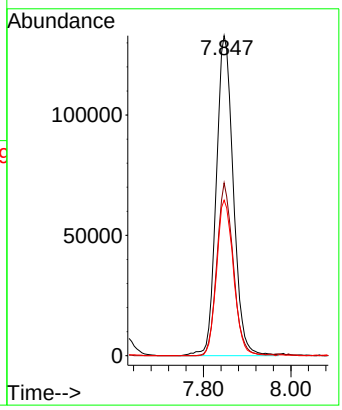




#29
Tetrahydrofuran
Concen: 250.623 ug/l
RT: 7.847 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 42 Resp: 35878

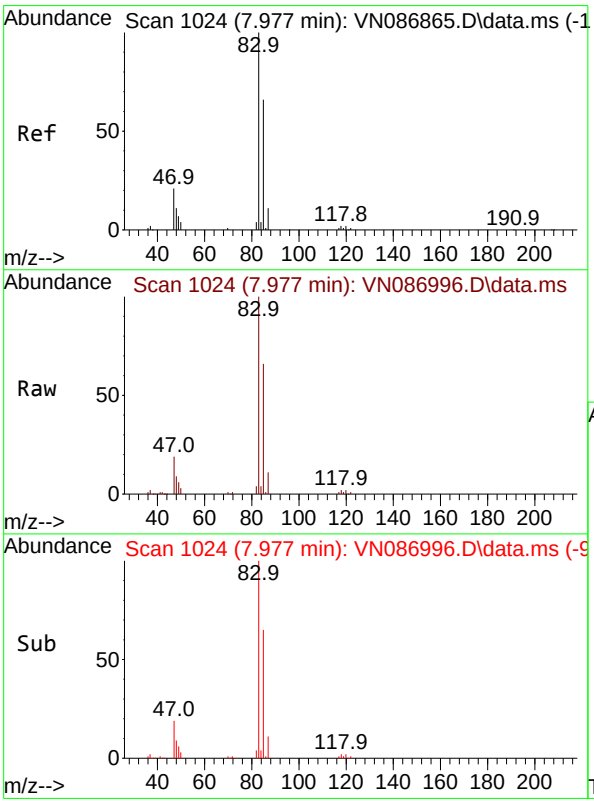
Ion	Ratio	Lower	Upper
42	100		
72	51.9	37.8	56.6
71	48.5	35.6	53.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

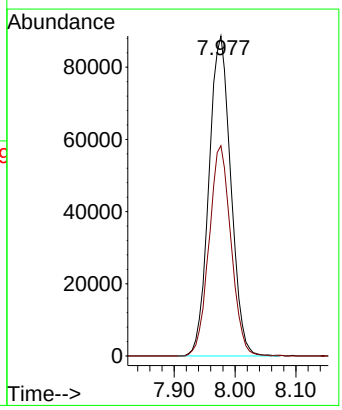
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

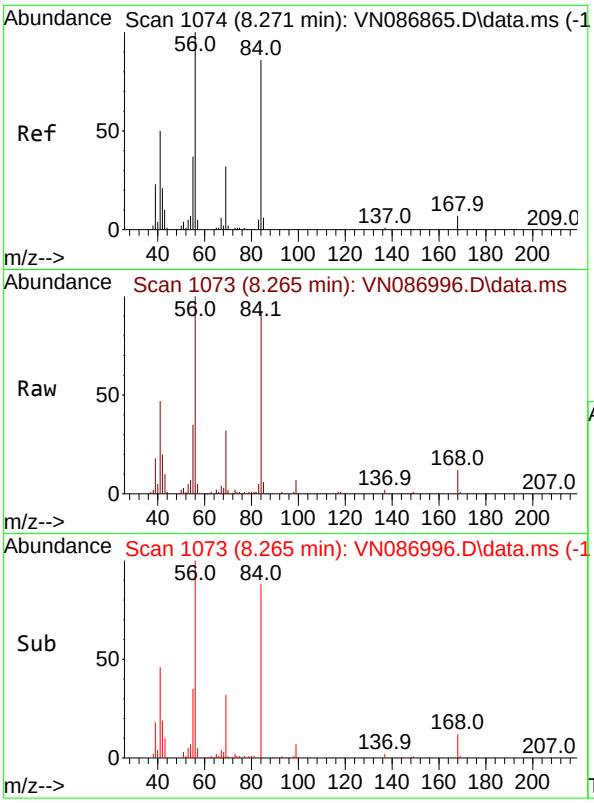


#30
Chloroform
Concen: 51.983 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 83 Resp: 221340

Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.9	79.3

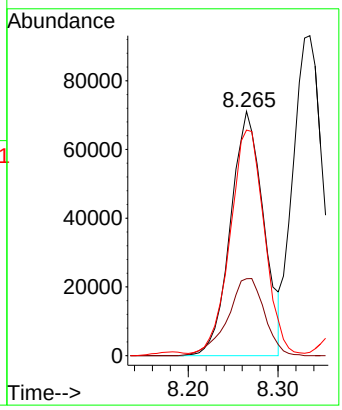




#31
Cyclohexane
Concen: 43.987 ug/l
RT: 8.265 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 56 Resp: 18188

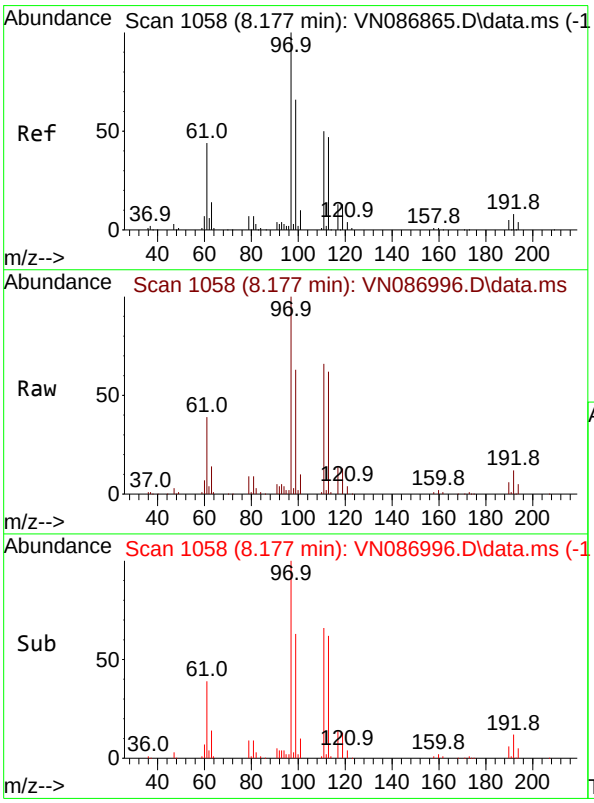
Ion	Ratio	Lower	Upper
56	100		
69	31.5	25.4	38.0
84	90.9	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

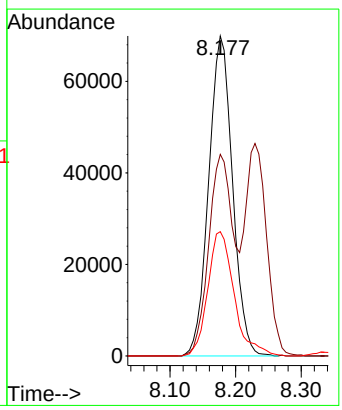
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

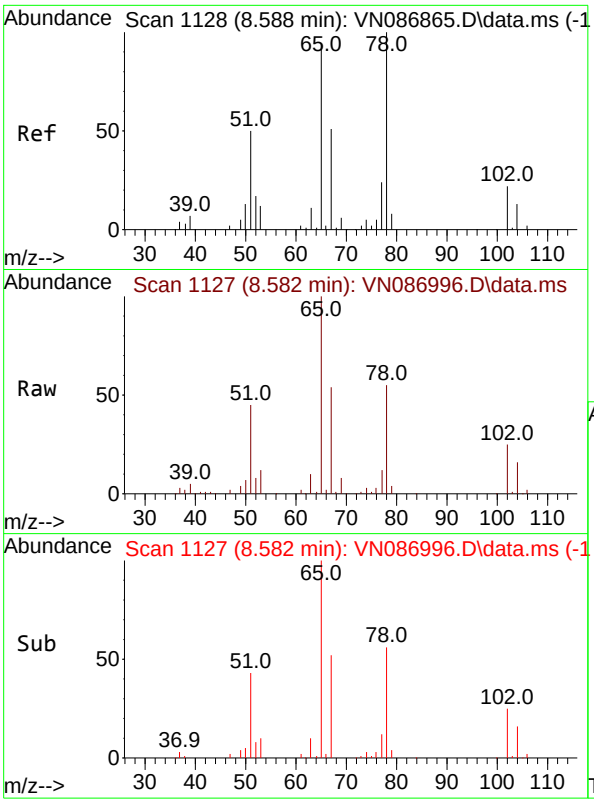


#32
1,1,1-Trichloroethane
Concen: 48.720 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 97 Resp: 176440

Ion	Ratio	Lower	Upper
97	100		
99	66.0	52.0	78.0
61	42.9	35.9	53.9





#33
1,2-Dichloroethane-d4
Concen: 49.645 ug/l
RT: 8.582 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

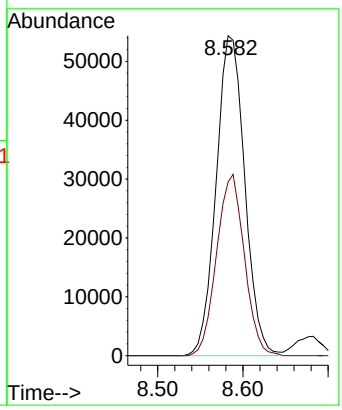
Tgt Ion: 65 Resp: 12656

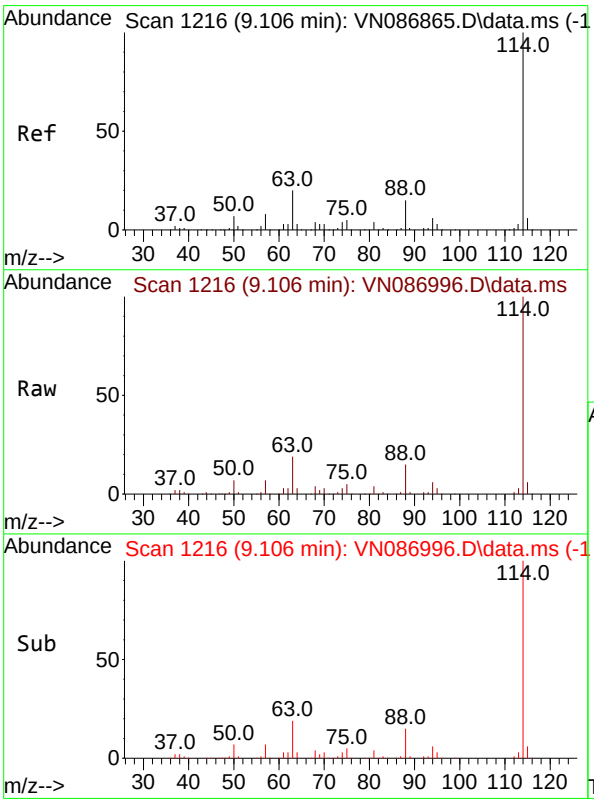
Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	105.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

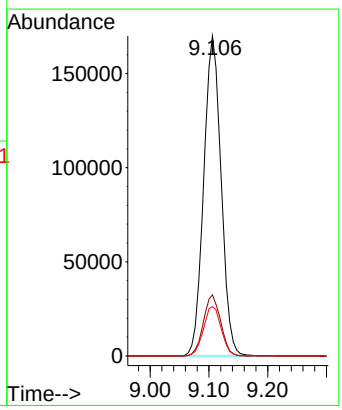


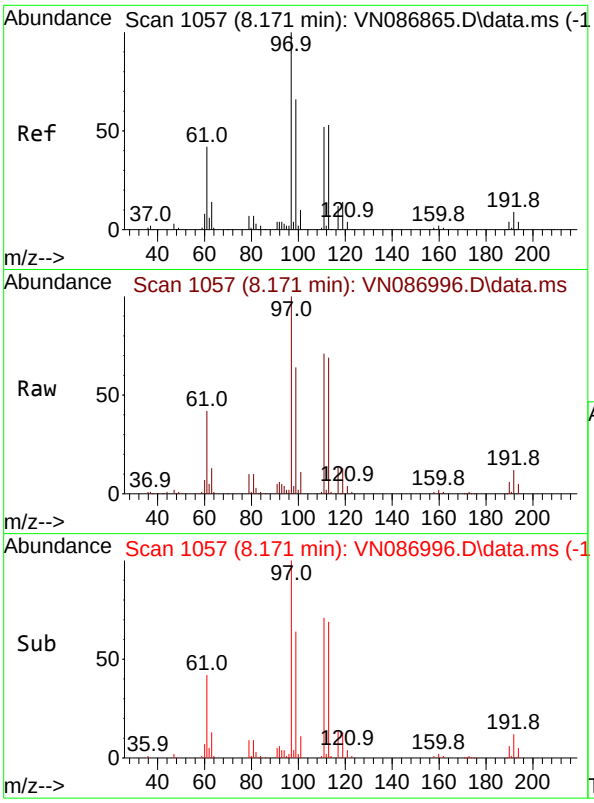


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:114 Resp: 349185

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.6
88	15.4	0.0	30.2

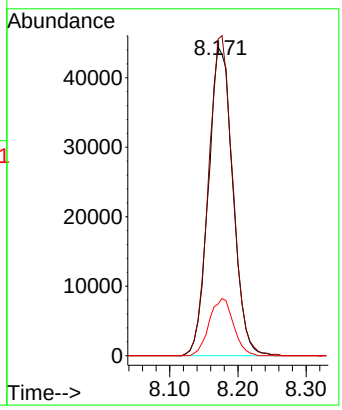




#35
Dibromofluoromethane
Concen: 53.613 ug/l
RT: 8.171 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:113 Resp: 11094

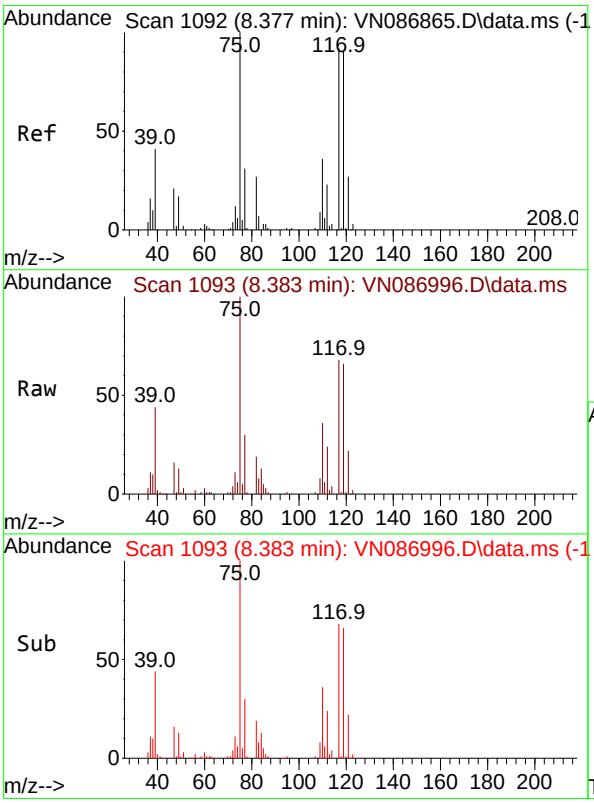
Ion	Ratio	Lower	Upper
113	100		
111	102.3	84.2	126.2
192	18.3	14.2	21.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

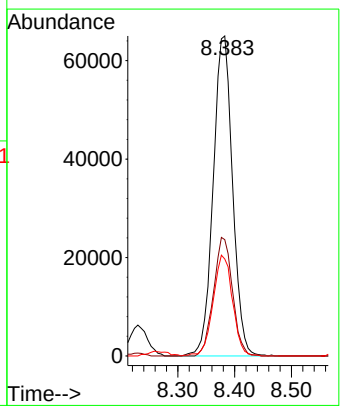
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

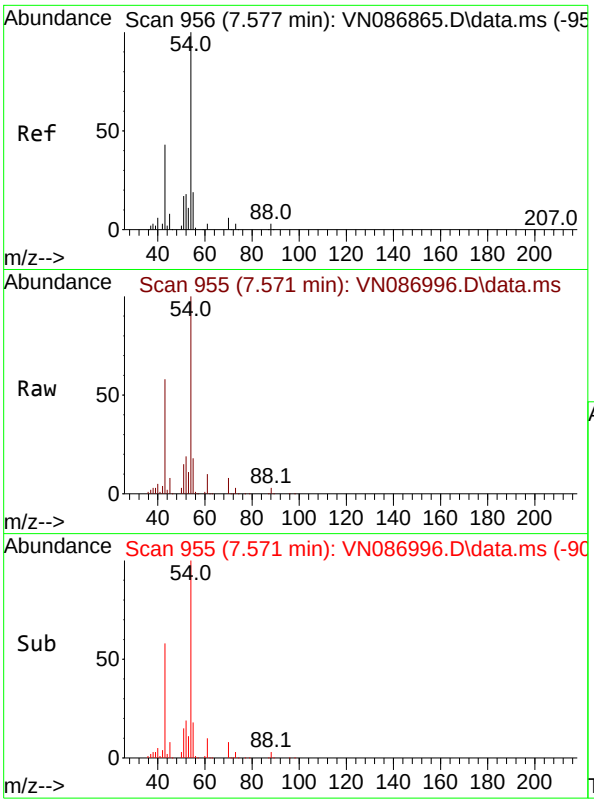


#36
1,1-Dichloropropene
Concen: 49.963 ug/l
RT: 8.383 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 75 Resp: 154064

Ion	Ratio	Lower	Upper
75	100		
110	36.3	17.6	52.9
77	31.6	25.3	37.9





#37
Ethyl Acetate
Concen: 52.914 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

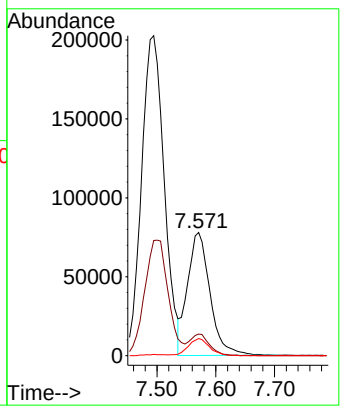
Tgt Ion: 43 Resp: 20770

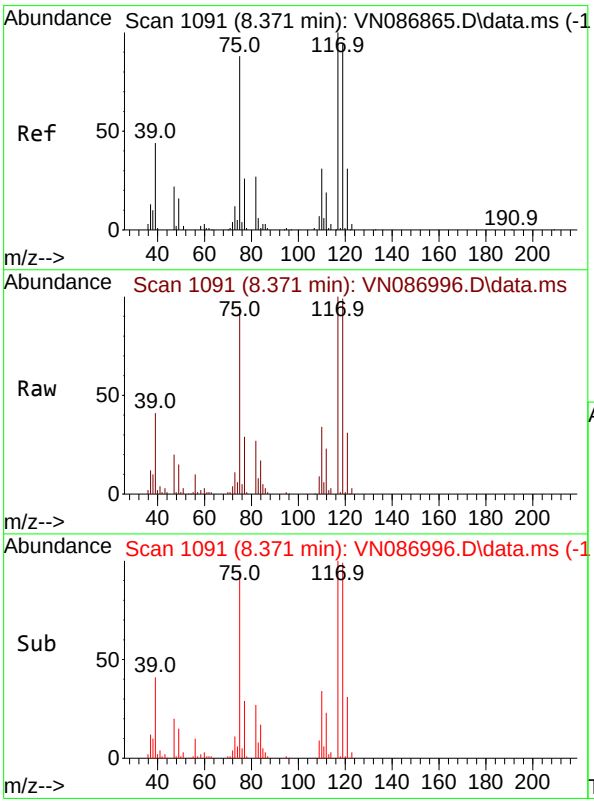
Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.1	18.1
70	13.1	9.8	14.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

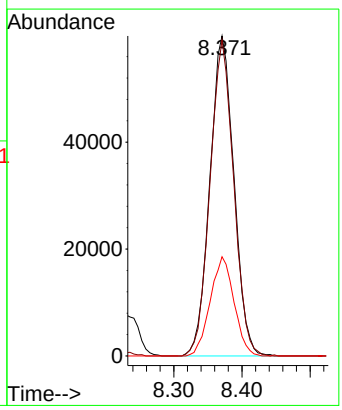


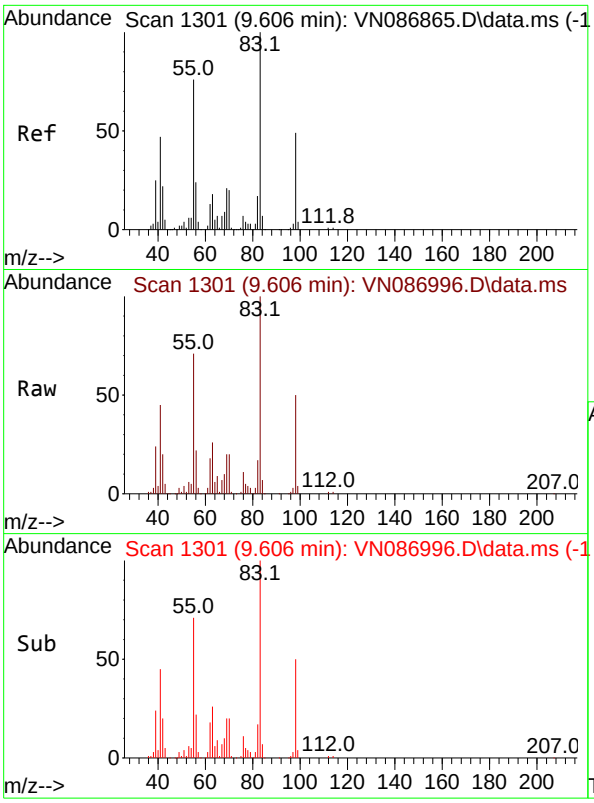


#38
Carbon Tetrachloride
Concen: 48.564 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:117 Resp: 147019

Ion	Ratio	Lower	Upper
117	100		
119	98.7	75.0	112.6
121	31.0	24.9	37.3





#39
Methylcyclohexane
Concen: 44.385 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

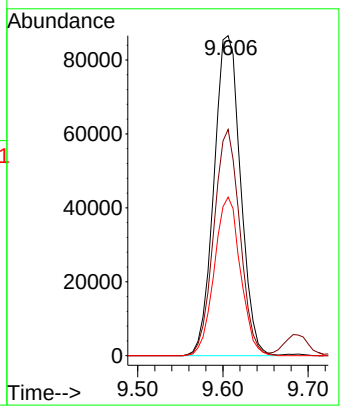
Tgt Ion: 83 Resp: 18750

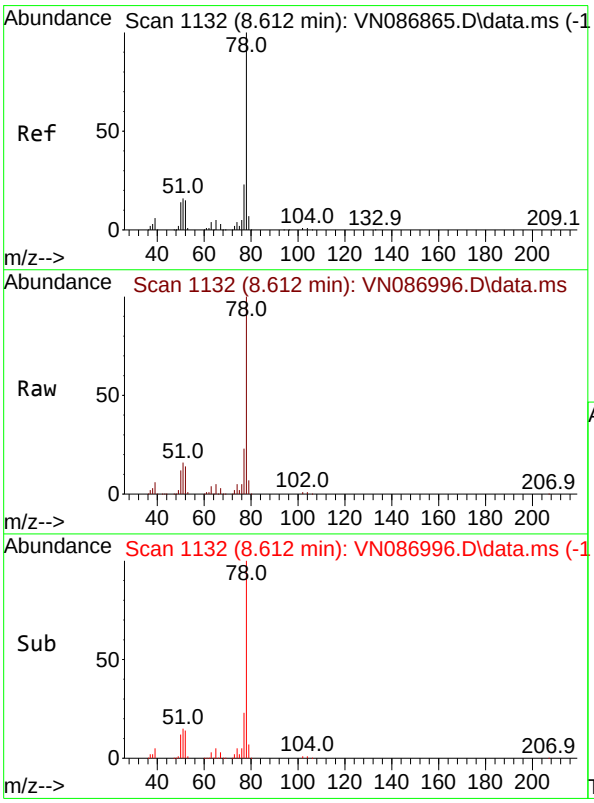
Ion	Ratio	Lower	Upper
83	100		
55	70.7	61.0	91.6
98	49.5	38.9	58.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

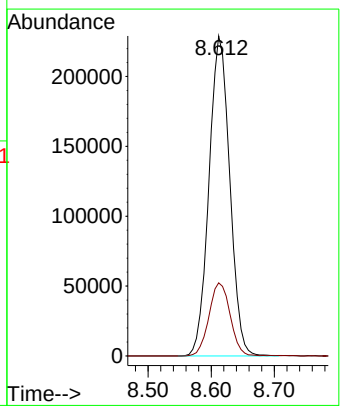


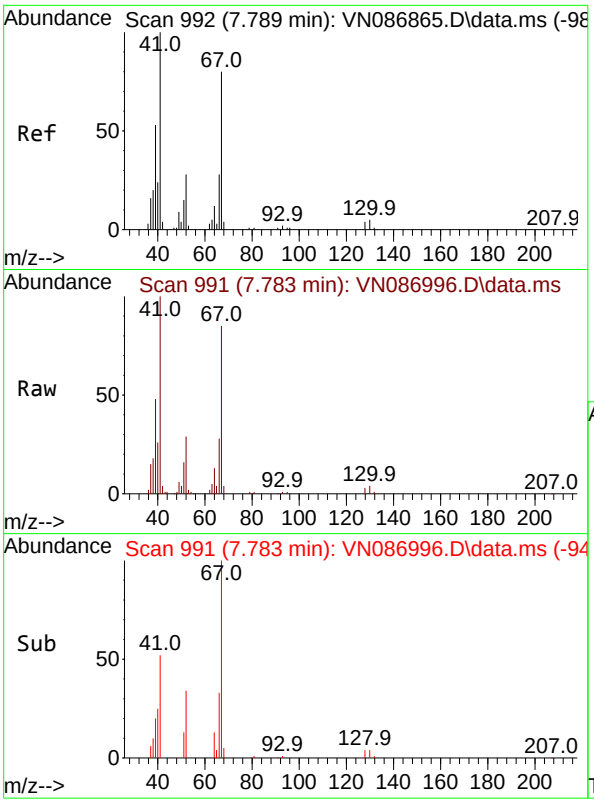


#40
Benzene
Concen: 51.942 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 78 Resp: 523742

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.7	28.1

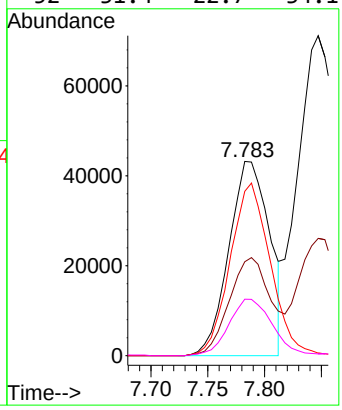




#41
Methacrylonitrile
Concen: 48.771 ug/l
RT: 7.783 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 41 Resp: 10751

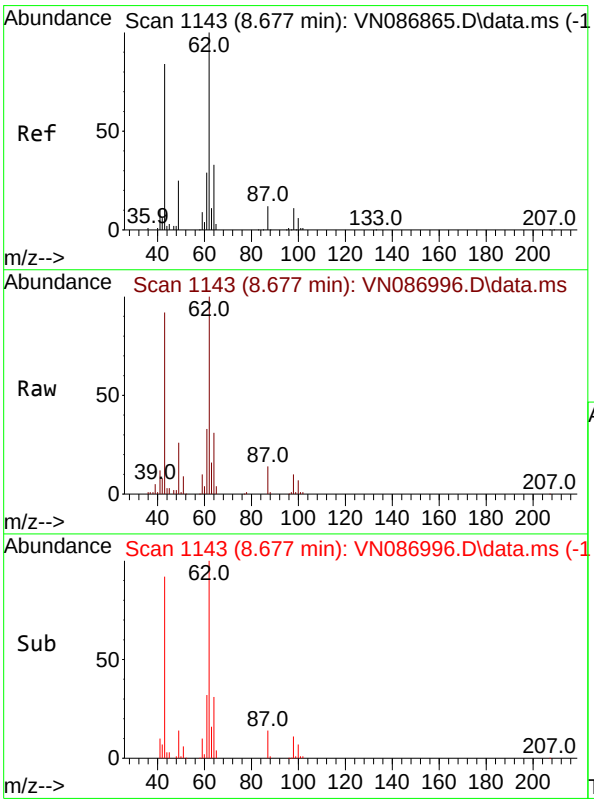
Ion	Ratio	Lower	Upper
41	100		
39	52.7	41.2	61.8
67	88.3	61.4	92.2
52	31.4	22.7	34.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

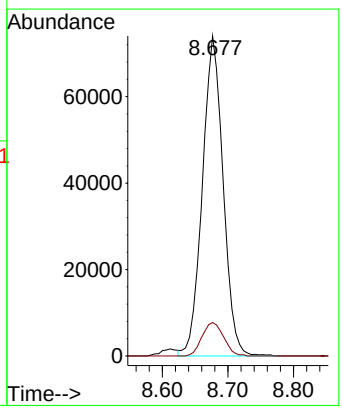
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

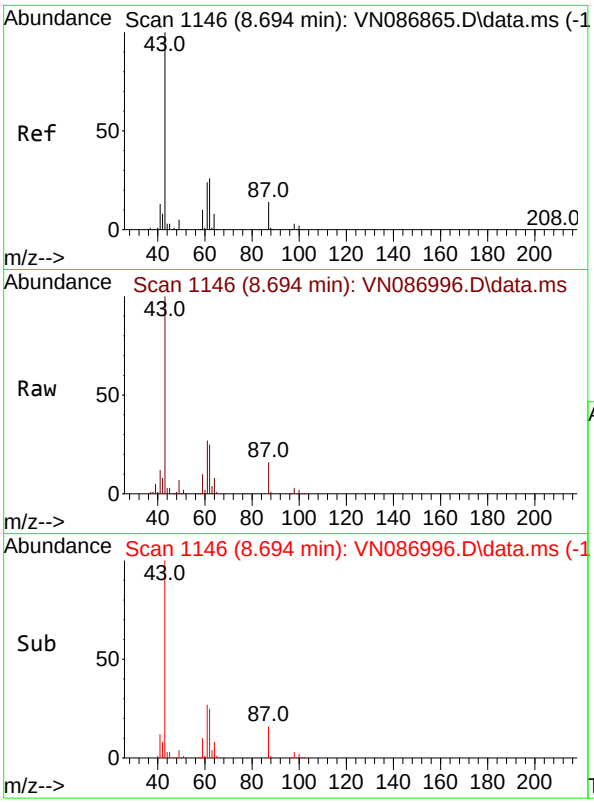


#42
1,2-Dichloroethane
Concen: 53.302 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 62 Resp: 163016

Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	21.2

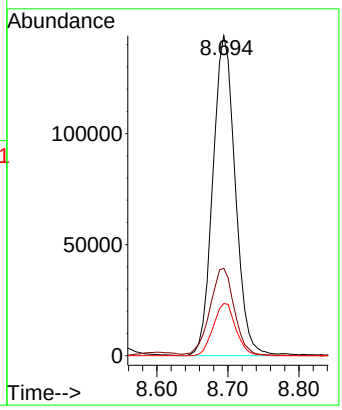




#43
Isopropyl Acetate
Concen: 50.052 ug/l
RT: 8.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 43 Resp: 31533

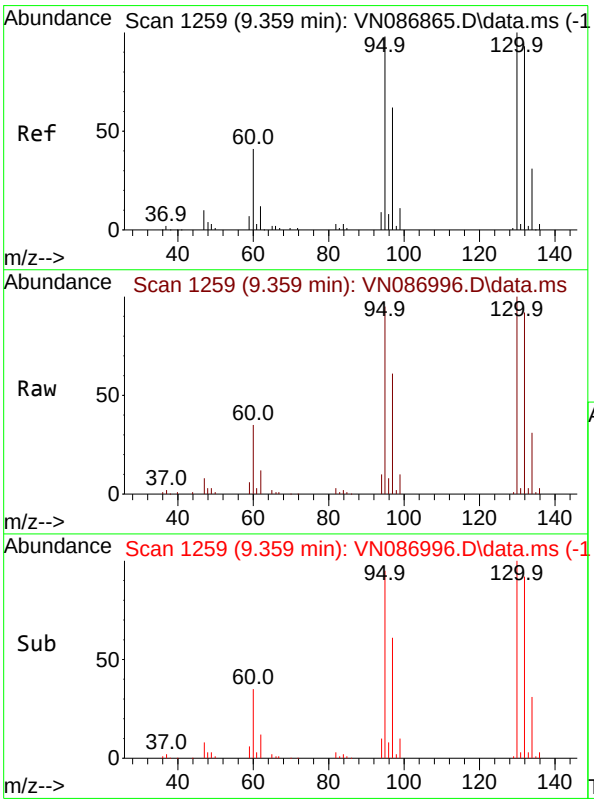
Ion	Ratio	Lower	Upper
43	100		
61	30.0	22.1	33.1
87	16.4	11.8	17.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

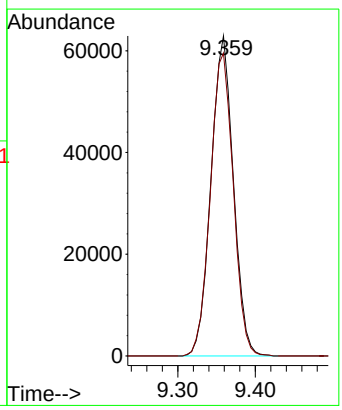
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

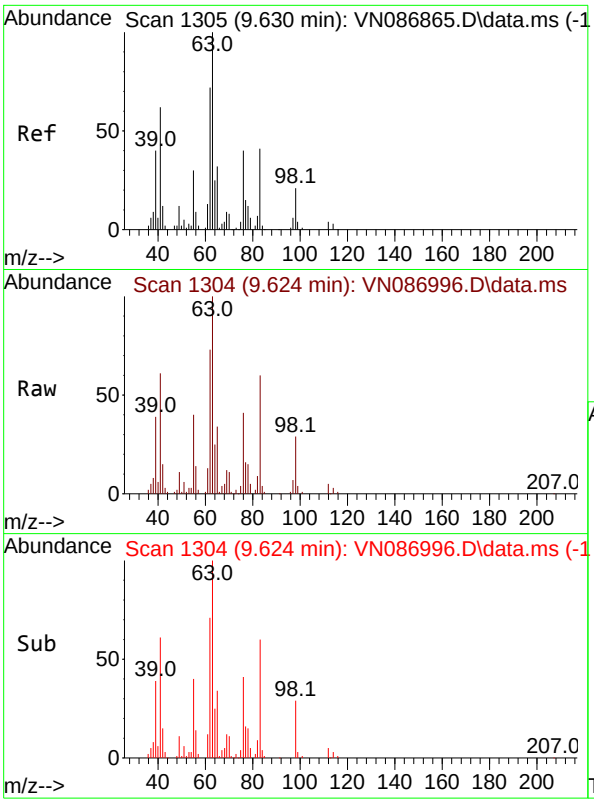


#44
Trichloroethene
Concen: 52.804 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:130 Resp: 126250

Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	196.2





#45
1,2-Dichloropropane
Concen: 52.657 ug/l
RT: 9.624 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

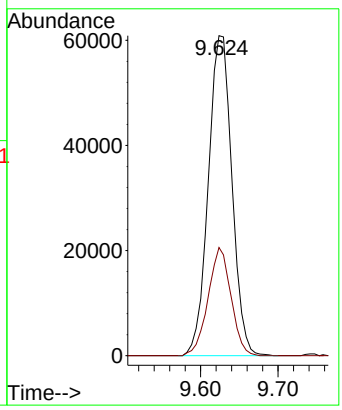
Tgt Ion: 63 Resp: 12917

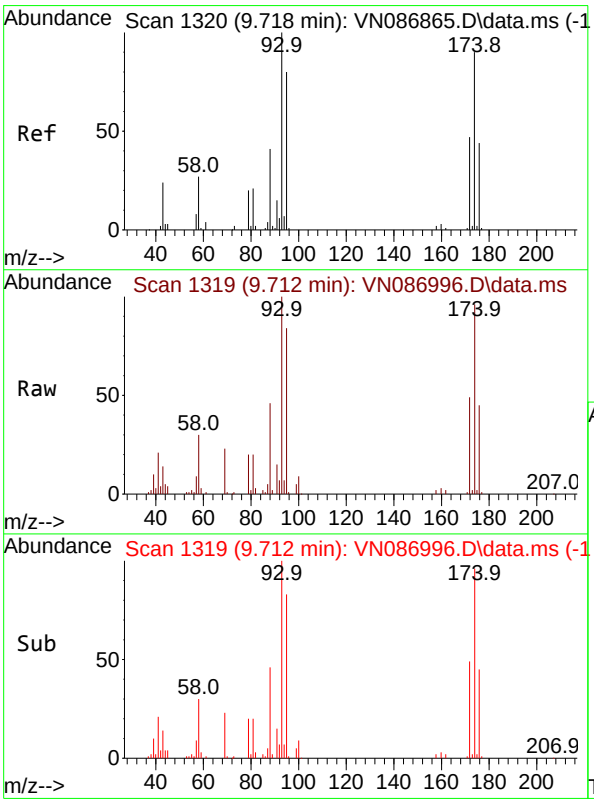
Ion	Ratio	Lower	Upper
63	100		
65	33.8	25.5	38.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

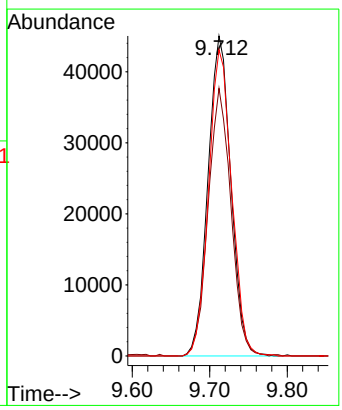


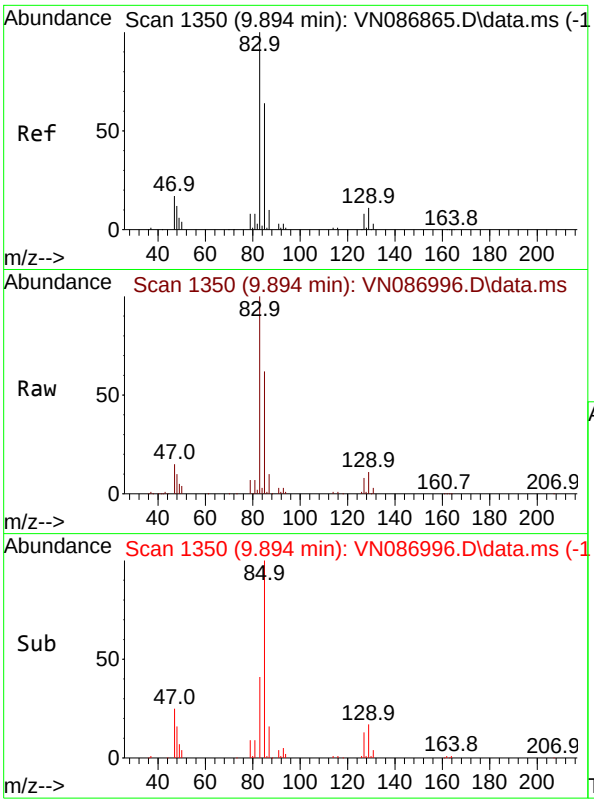


#46
Dibromomethane
Concen: 56.724 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 93 Resp: 92427

Ion	Ratio	Lower	Upper
93	100		
95	83.2	67.1	100.7
174	96.6	74.2	111.4

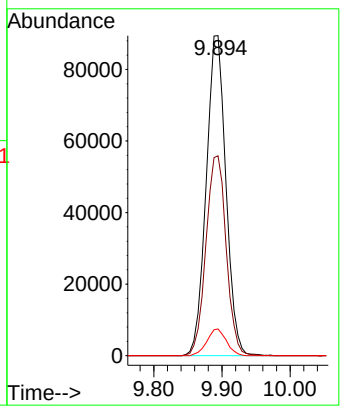




#47
Bromodichloromethane
Concen: 53.637 ug/l
RT: 9.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 83 Resp: 17981

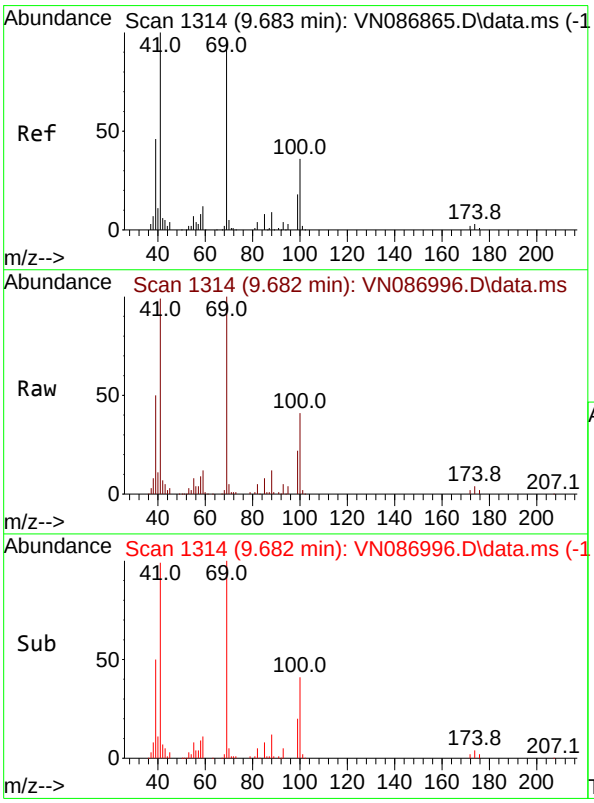
Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.9	76.3
127	8.4	6.6	10.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

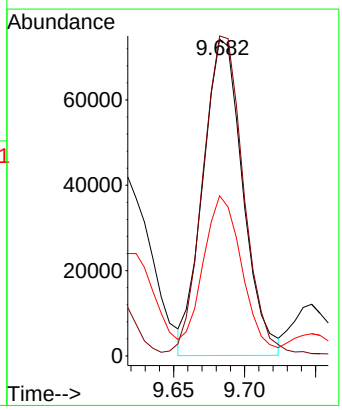
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

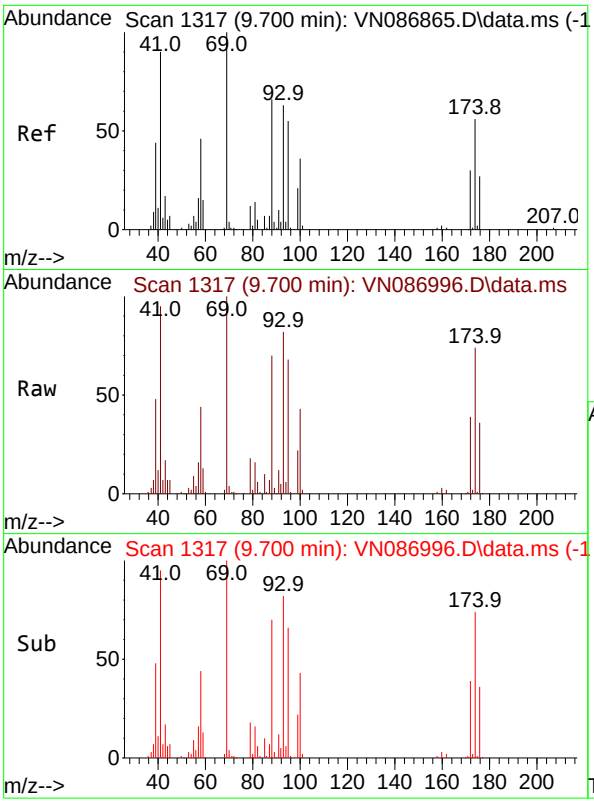


#48
Methyl methacrylate
Concen: 49.899 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 41 Resp: 144695

Ion	Ratio	Lower	Upper
41	100		
69	103.2	74.6	112.0
39	50.4	40.2	60.4





#49
1,4-Dioxane
Concen: 1154.073 ug/l
RT: 9.700 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

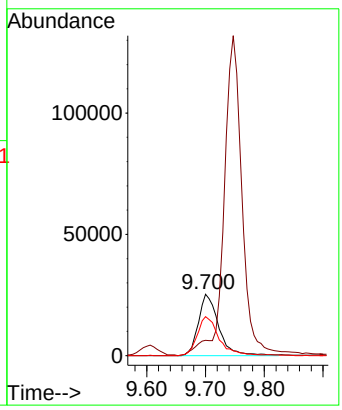
Tgt Ion: 88 Resp: 6088

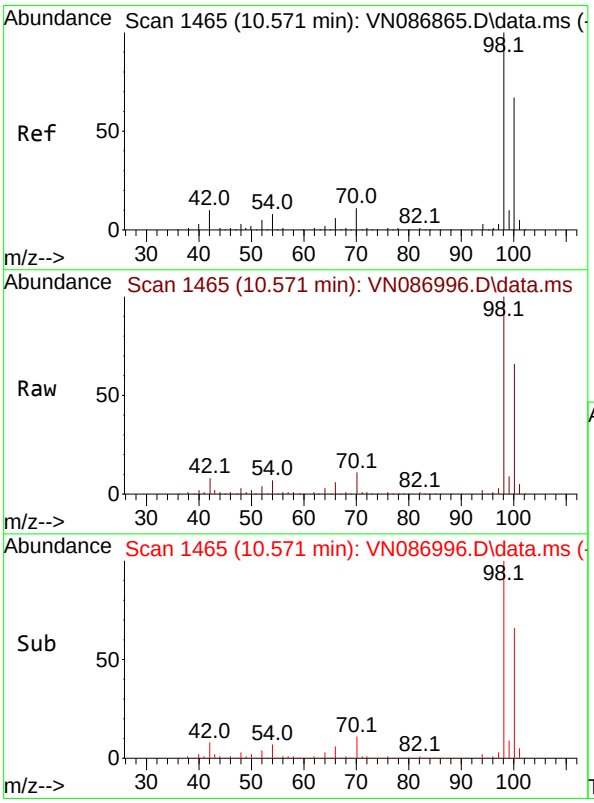
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	67.7	57.7	86.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

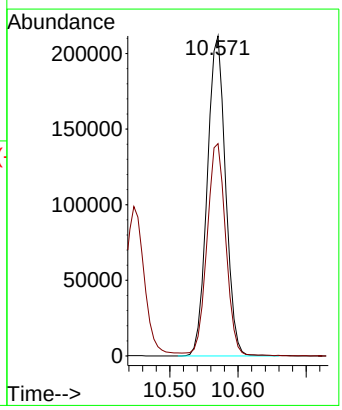


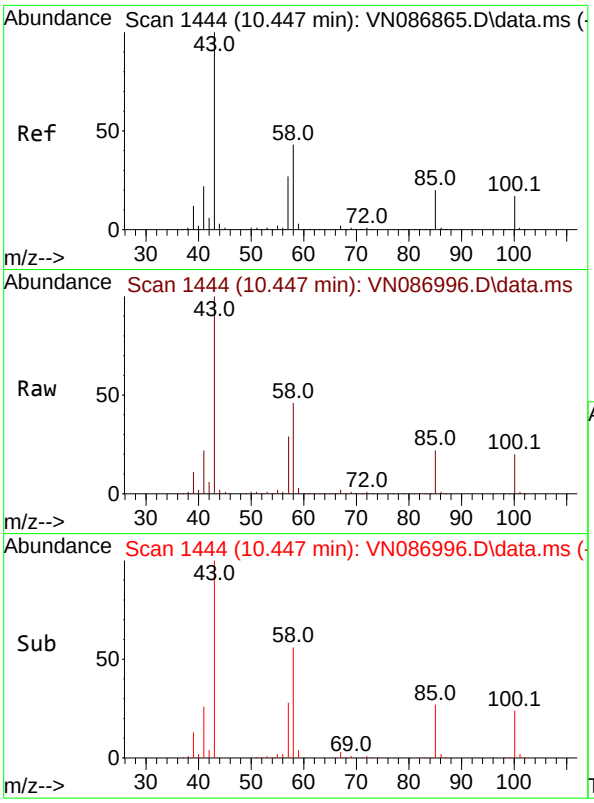


#50
Toluene-d8
Concen: 48.224 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 98 Resp: 395054

Ion	Ratio	Lower	Upper
98	100		
100	68.4	53.4	80.0





#51
4-Methyl-2-Pentanone
Concen: 257.005 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

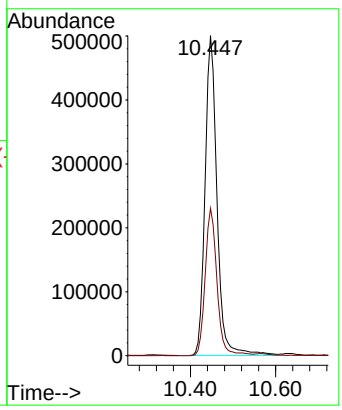
Tgt Ion: 43 Resp: 97476

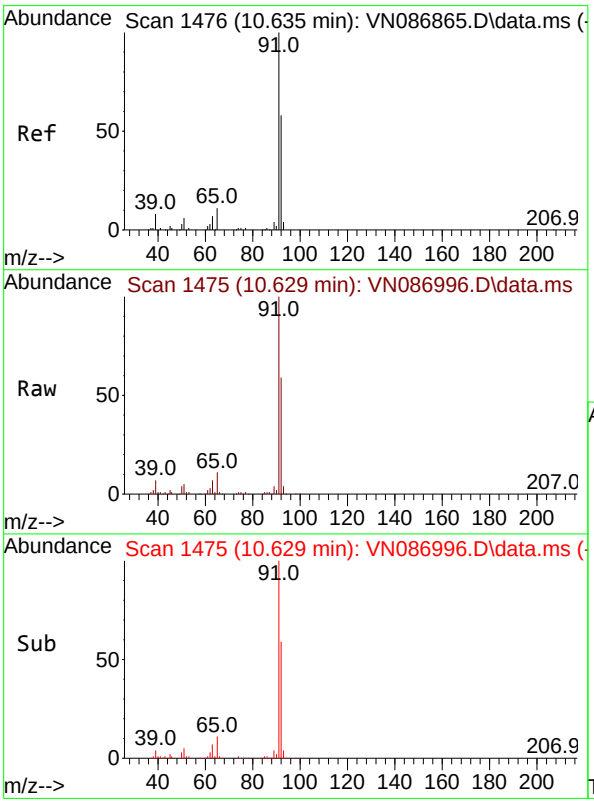
Ion	Ratio	Lower	Upper
43	100		
58	45.5	34.2	51.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

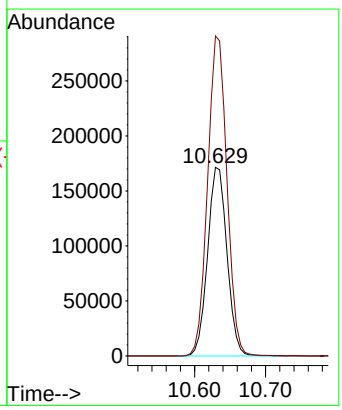


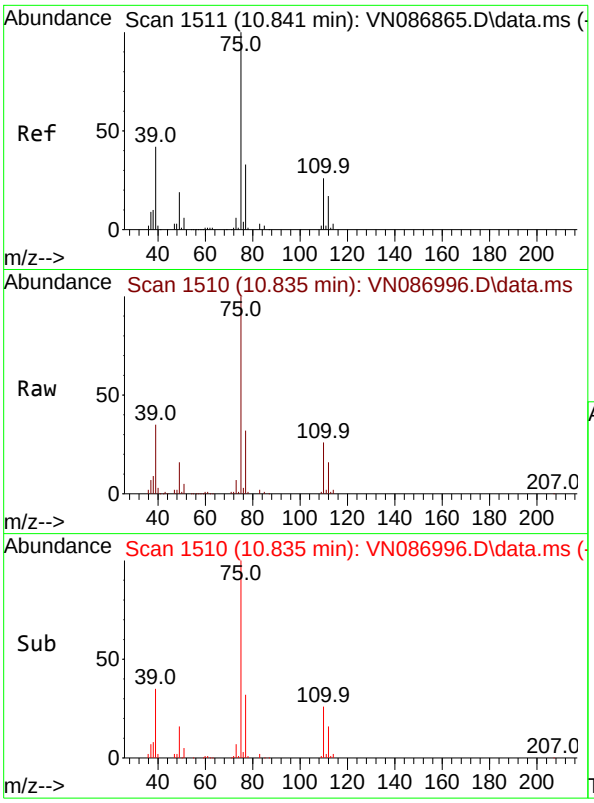


#52
Toluene
Concen: 52.663 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 92 Resp: 324520

Ion	Ratio	Lower	Upper
92	100		
91	169.4	136.5	204.7





#53
t-1,3-Dichloropropene
Concen: 57.068 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

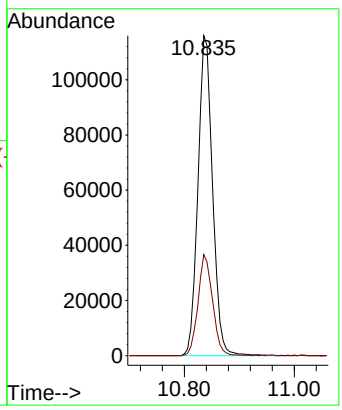
Tgt Ion: 75 Resp: 21393

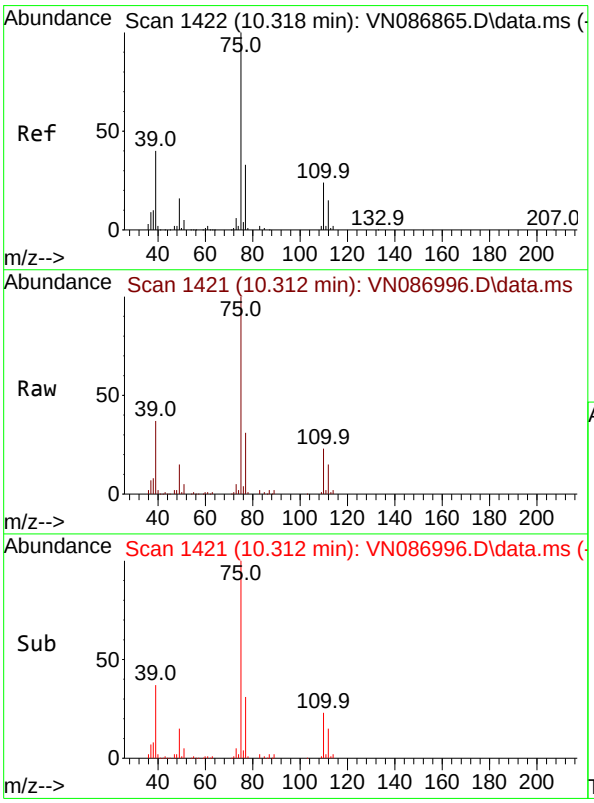
Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.4	39.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

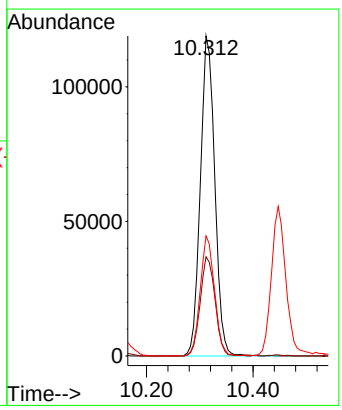


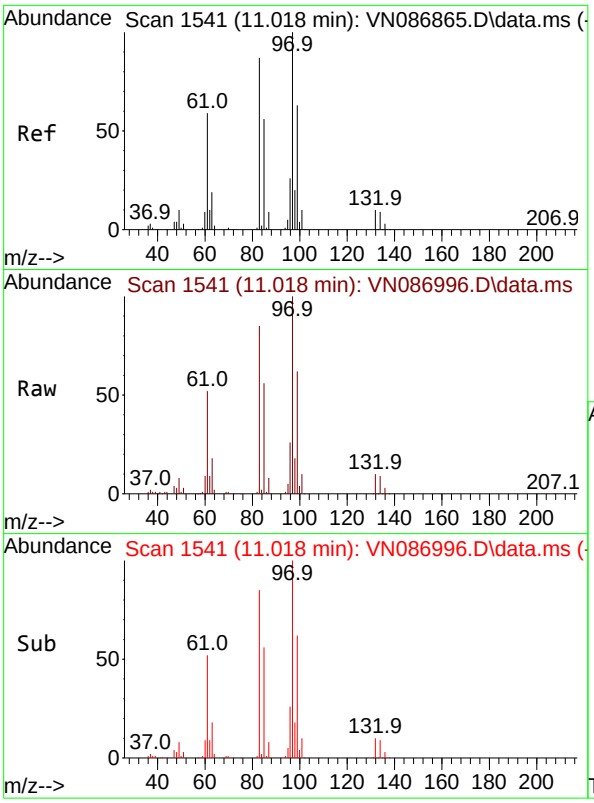


#54
cis-1,3-Dichloropropene
Concen: 55.726 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 75 Resp: 223518

Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.2	39.4
39	37.5	32.3	48.5

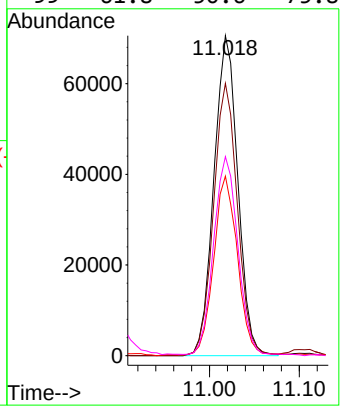




#55
1,1,2-Trichloroethane
Concen: 55.000 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 97 Resp: 13040

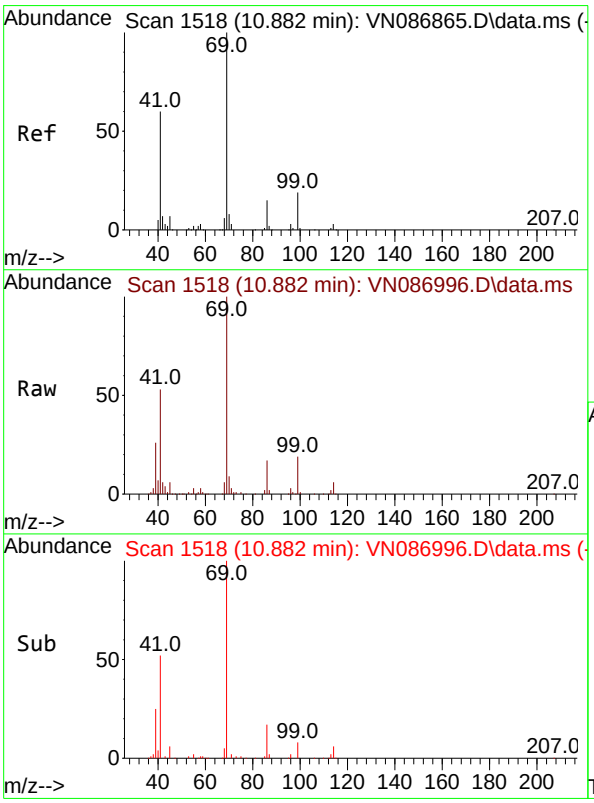
Ion	Ratio	Lower	Upper
97	100		
83	85.1	69.7	104.5
85	55.8	45.1	67.7
99	61.8	50.6	75.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

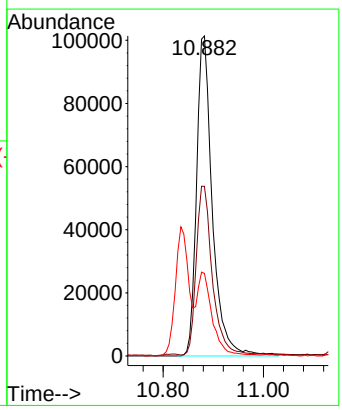
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

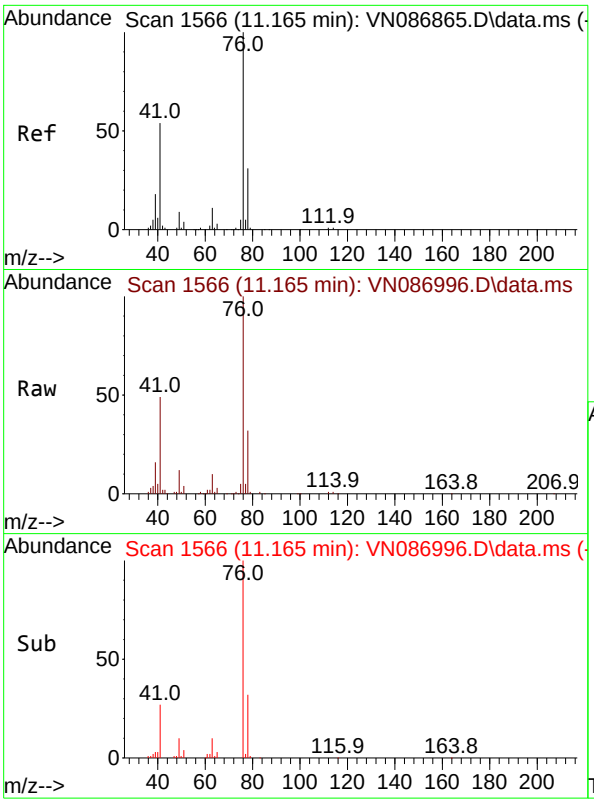


#56
Ethyl methacrylate
Concen: 58.775 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 69 Resp: 221967

Ion	Ratio	Lower	Upper
69	100		
41	53.8	47.2	70.8
39	25.2	23.0	34.6





#57
1,3-Dichloropropane
Concen: 54.739 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

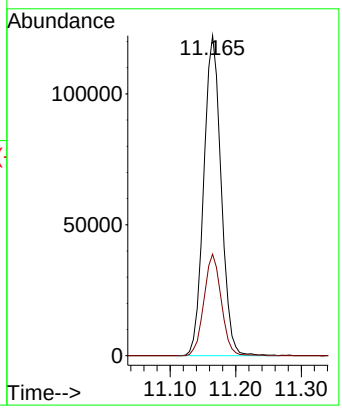
Tgt Ion: 76 Resp: 22514

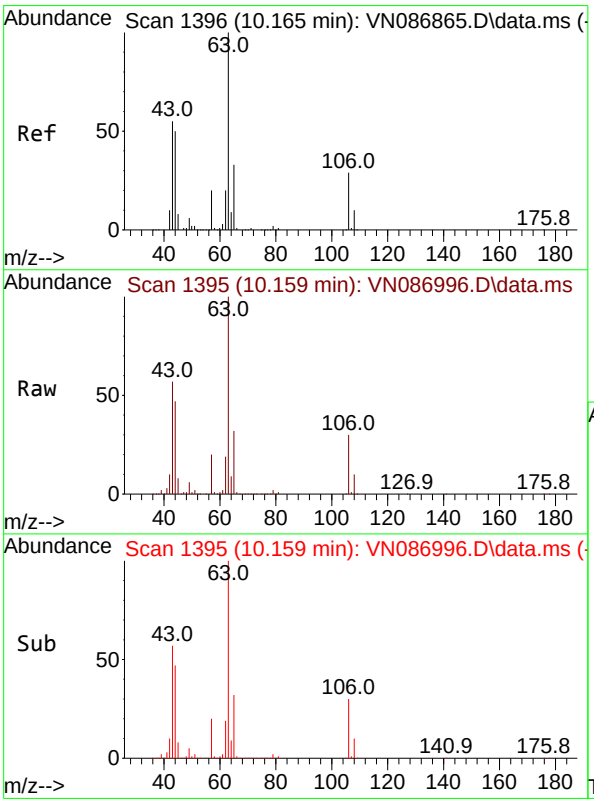
Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.3	37.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

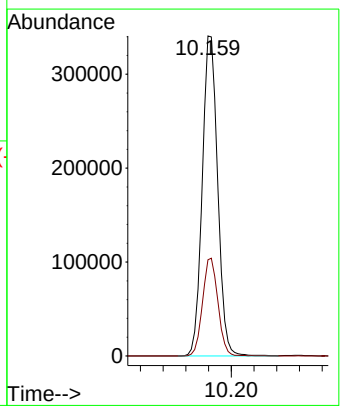


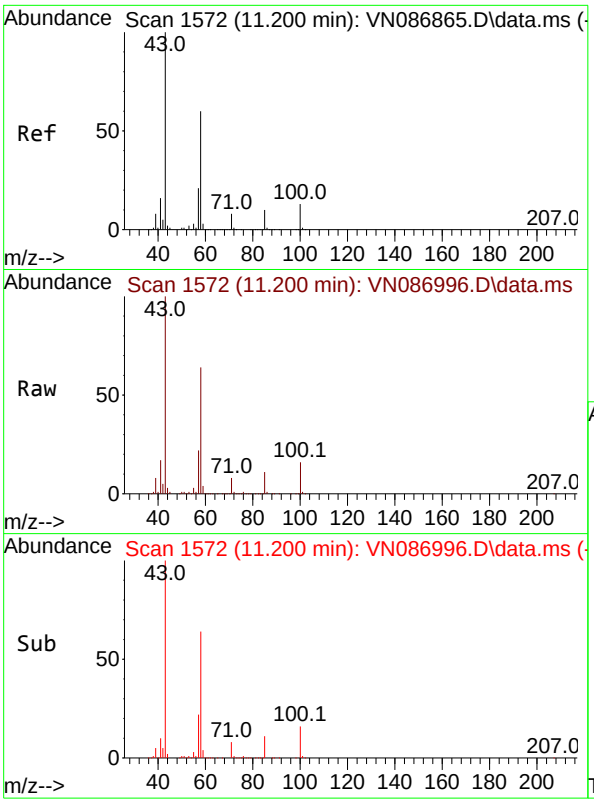


#58
2-Chloroethyl Vinyl ether
Concen: 284.484 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 63 Resp: 640810

Ion	Ratio	Lower	Upper
63	100		
106	30.5	23.0	34.6





#59
2-Hexanone
Concen: 268.212 ug/l
RT: 11.200 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

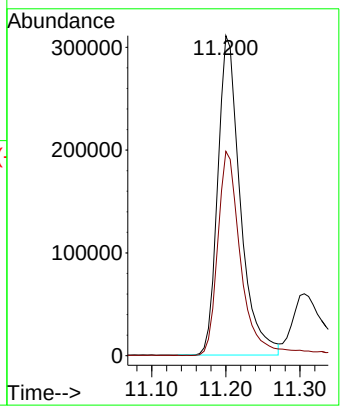
Tgt Ion: 43 Resp: 65526

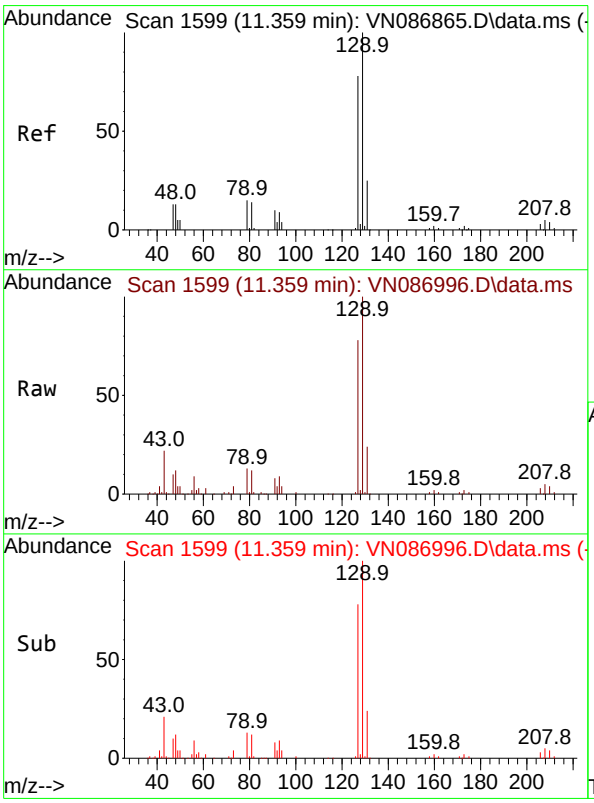
Ion	Ratio	Lower	Upper
43	100		
58	67.5	30.4	91.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

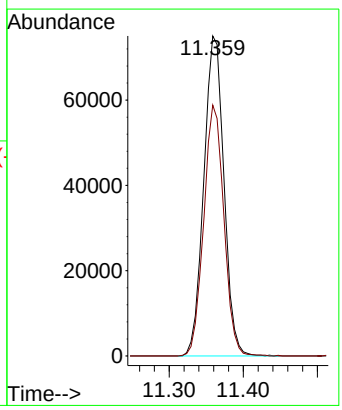


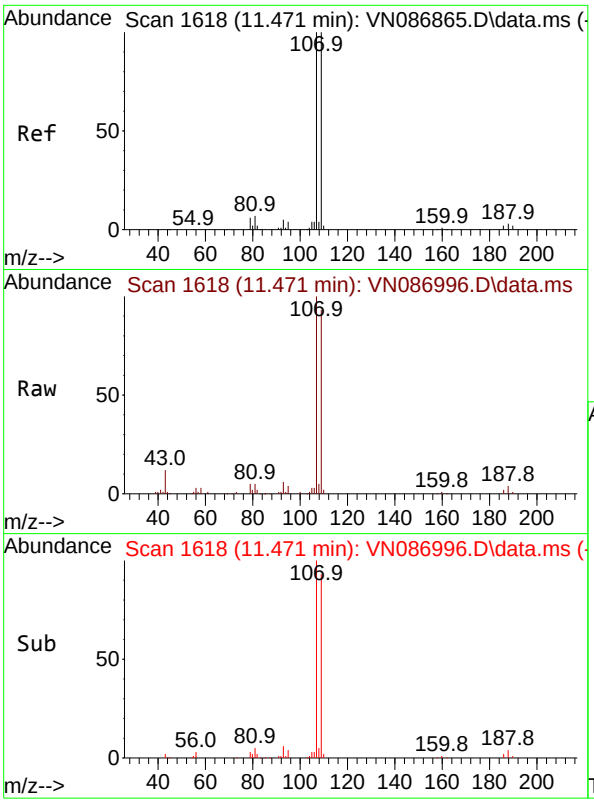


#60
Dibromochloromethane
Concen: 57.298 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:129 Resp: 141550

Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.6	115.8





#61
1,2-Dibromoethane
Concen: 57.138 ug/l
RT: 11.471 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

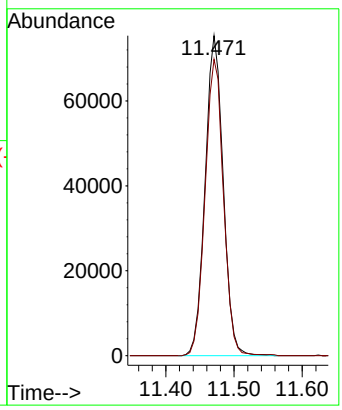
Tgt Ion:107 Resp: 13886

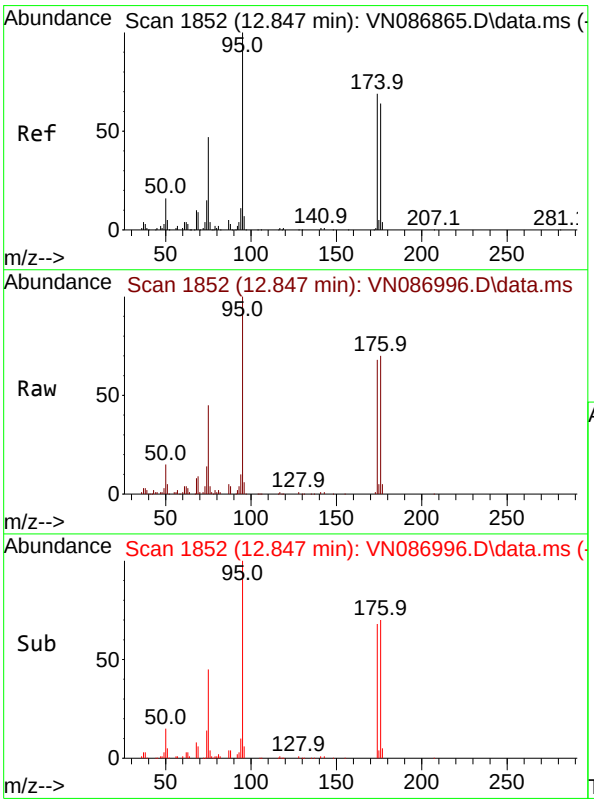
Ion	Ratio	Lower	Upper
107	100		
109	94.1	76.3	114.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

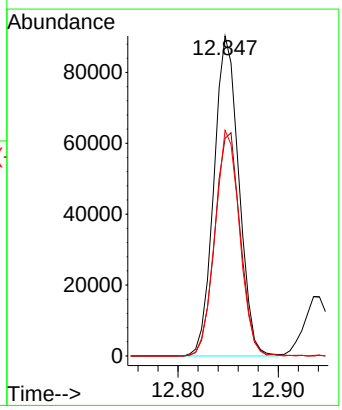


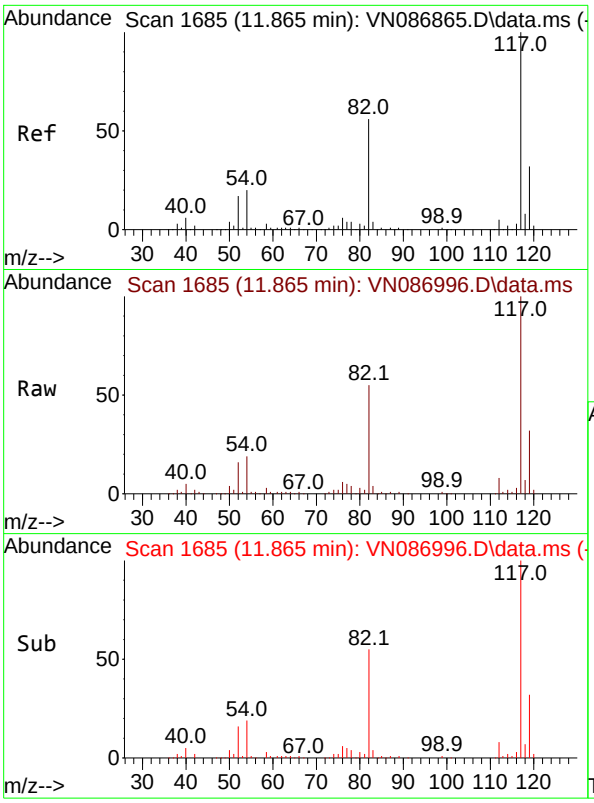


#62
4-Bromofluorobenzene
Concen: 51.180 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 95 Resp: 155769

Ion	Ratio	Lower	Upper
95	100		
174	71.2	0.0	141.8
176	69.9	0.0	132.6

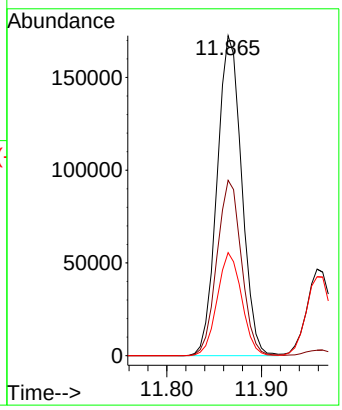




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:117 Resp: 31162

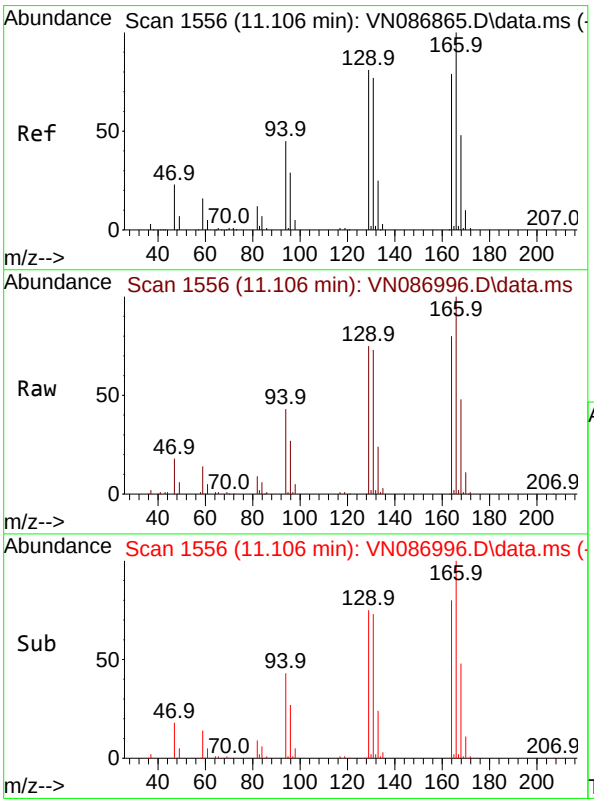
Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.6	67.0
119	32.2	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

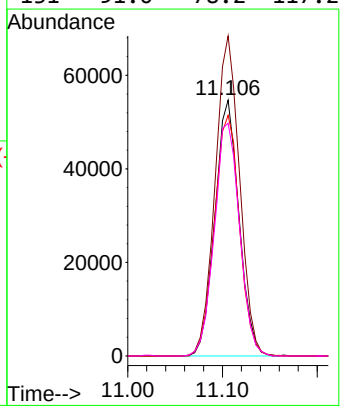
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

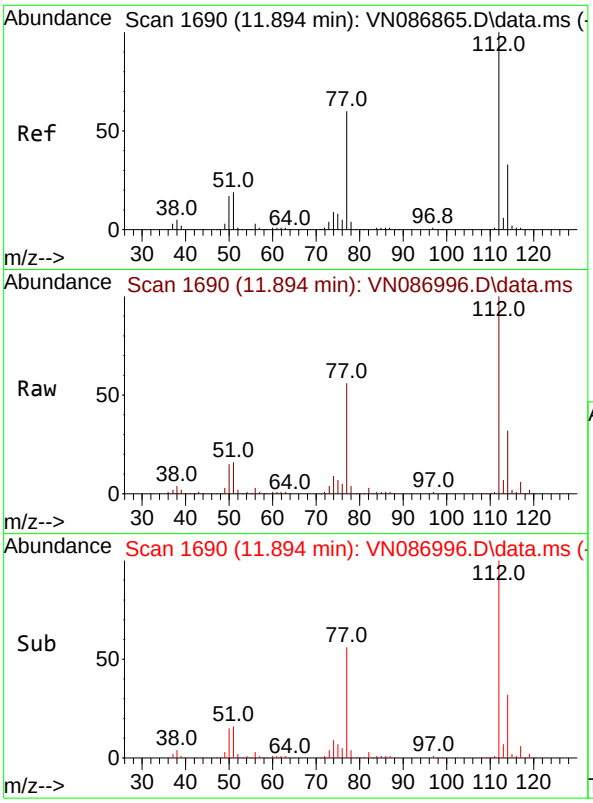


#64
Tetrachloroethene
Concen: 49.232 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:164 Resp: 97092

Ion	Ratio	Lower	Upper
164	100		
166	125.1	101.8	152.8
129	94.0	83.0	124.4
131	91.0	78.2	117.2

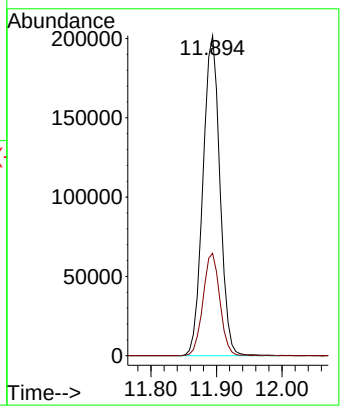




#65
Chlorobenzene
Concen: 52.832 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:112 Resp: 36310

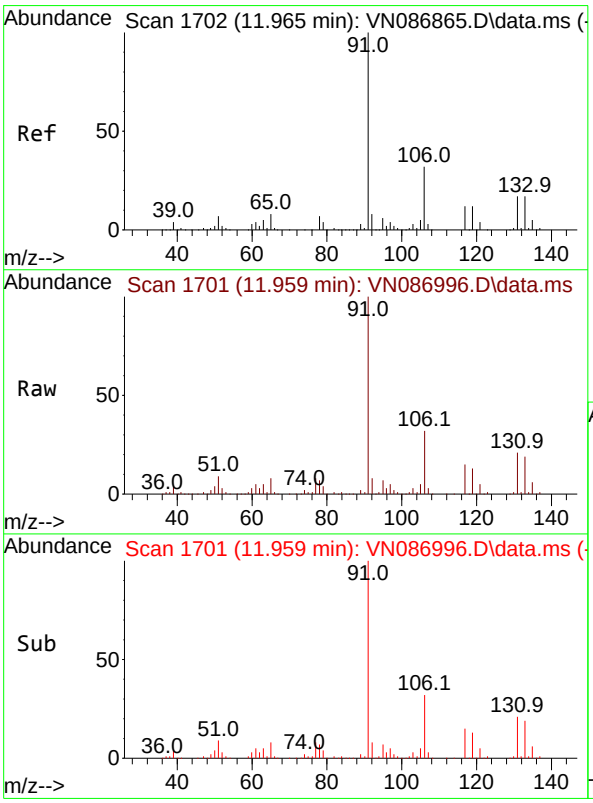
Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.2	39.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

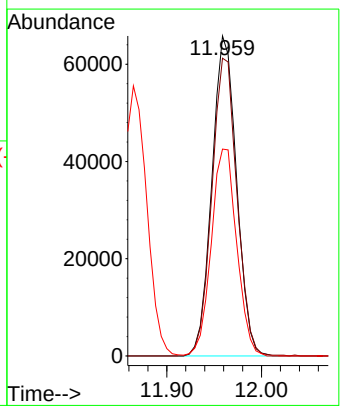
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

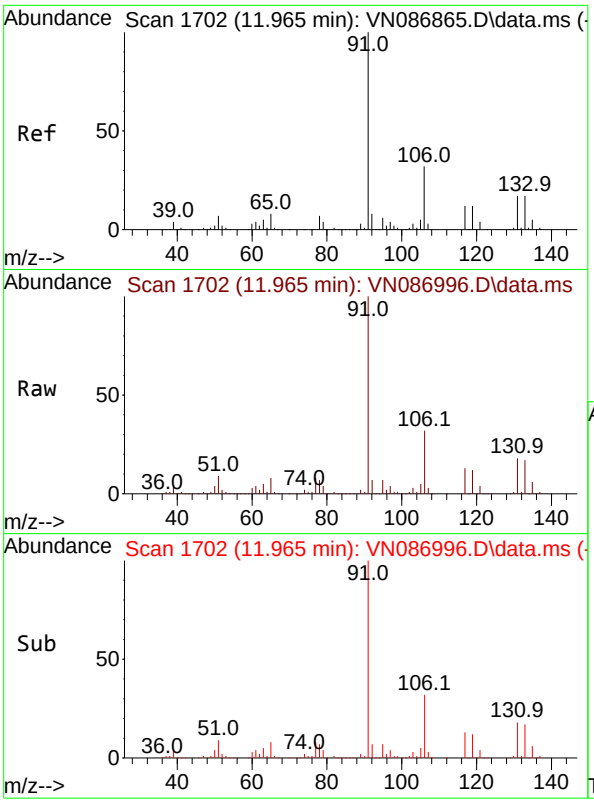


#66
1,1,1,2-Tetrachloroethane
Concen: 53.761 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:131 Resp: 118773

Ion	Ratio	Lower	Upper
131	100		
133	95.1	48.3	144.8
119	66.9	34.0	101.8





#67
Ethyl Benzene
Concen: 49.965 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

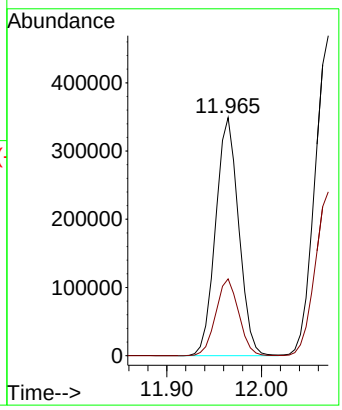
Tgt Ion: 91 Resp: 59150

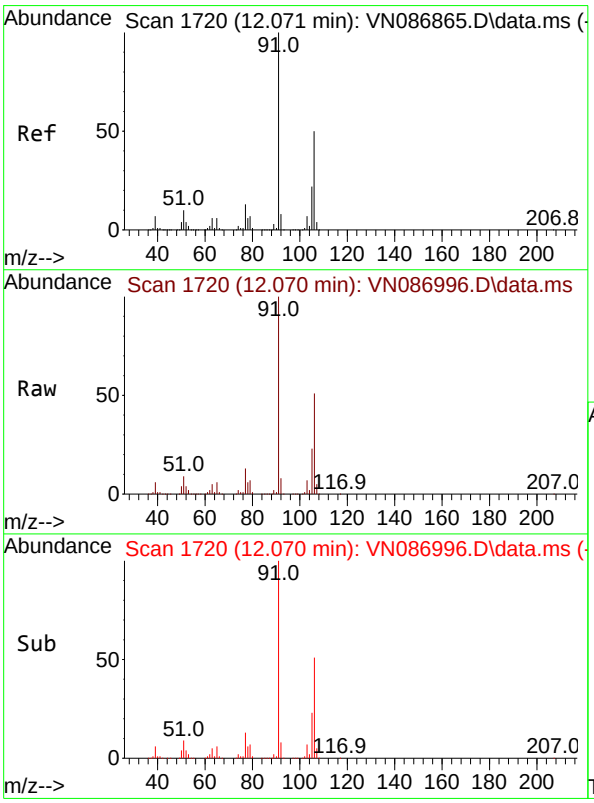
Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.4	38.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

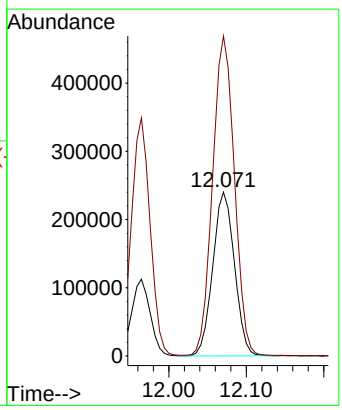


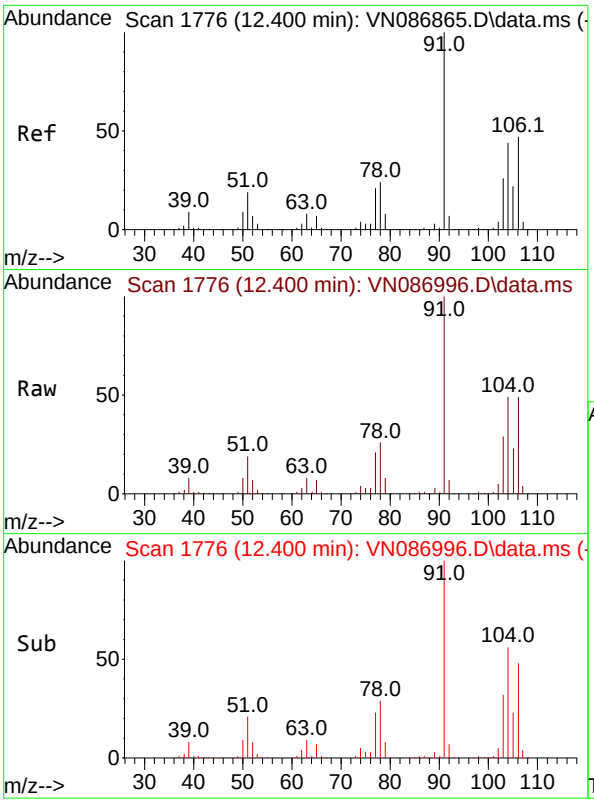


#68
m/p-Xylenes
Concen: 102.831 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:106 Resp: 466007

Ion	Ratio	Lower	Upper
106	100		
91	197.4	159.4	239.0

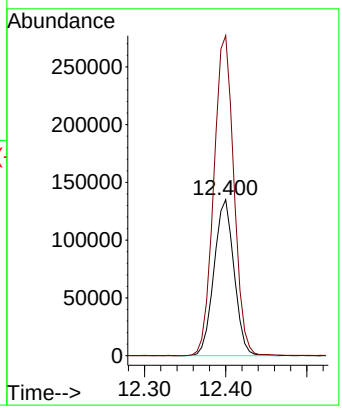




#69
o-Xylene
Concen: 53.373 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:106 Resp: 23165

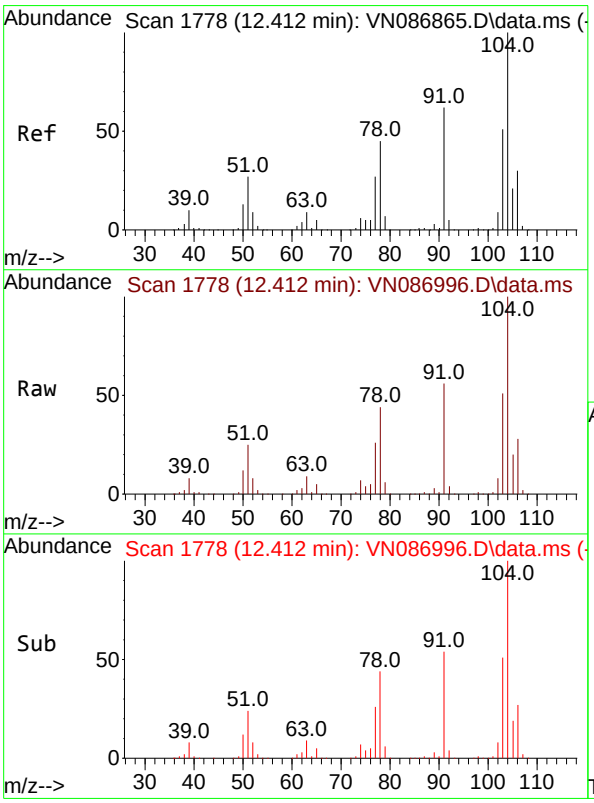
Ion	Ratio	Lower	Upper
106	100		
91	206.2	106.1	318.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

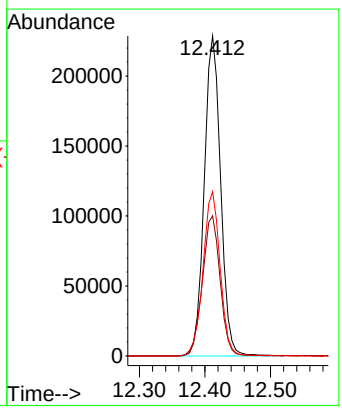
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

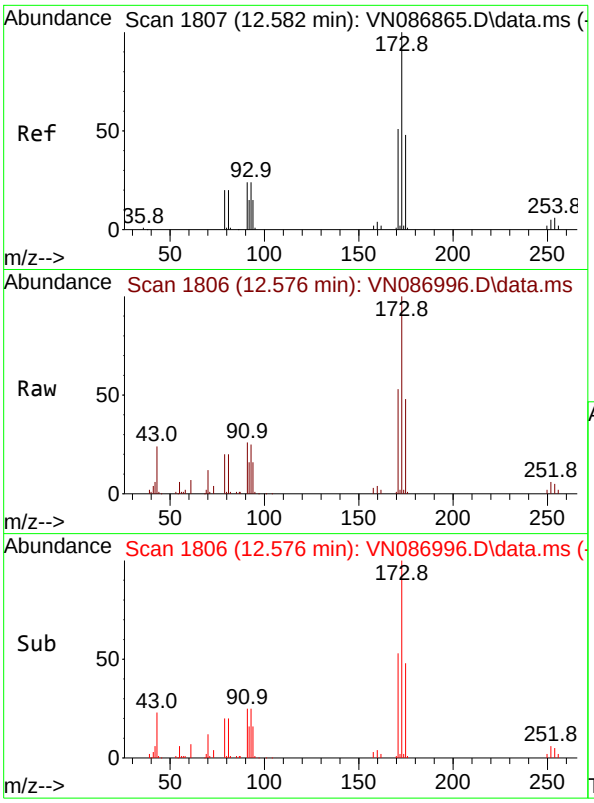


#70
Styrene
Concen: 53.555 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:104 Resp: 397750

Ion	Ratio	Lower	Upper
104	100		
78	47.3	38.5	57.7
103	53.7	43.1	64.7





#71
Bromoform
Concen: 58.496 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

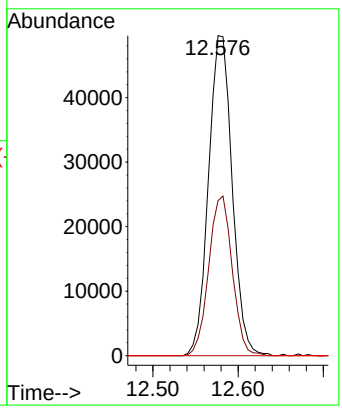
Tgt Ion:173 Resp: 9575

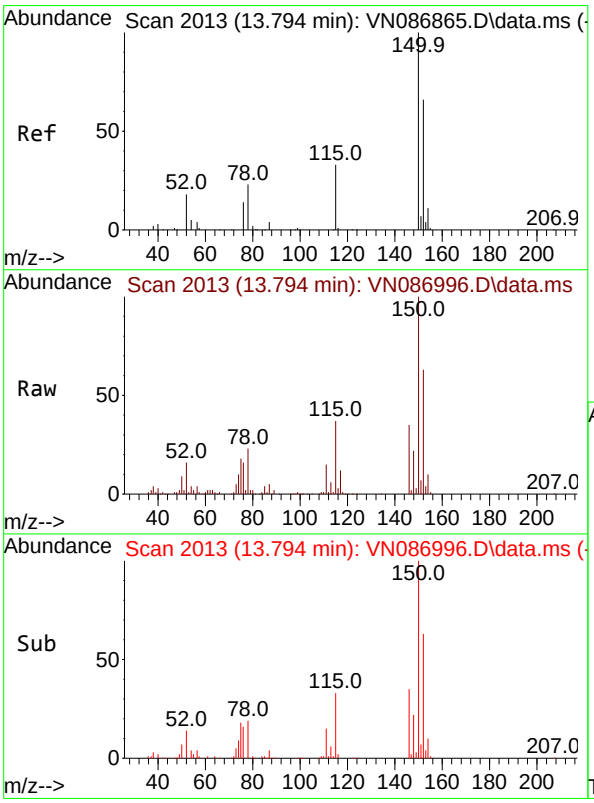
Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.1	72.4
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

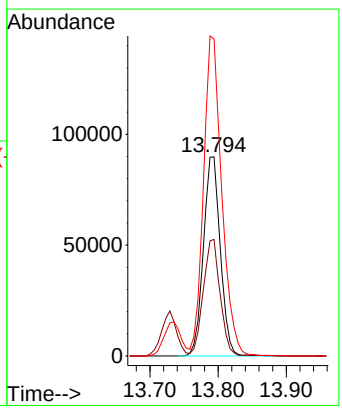


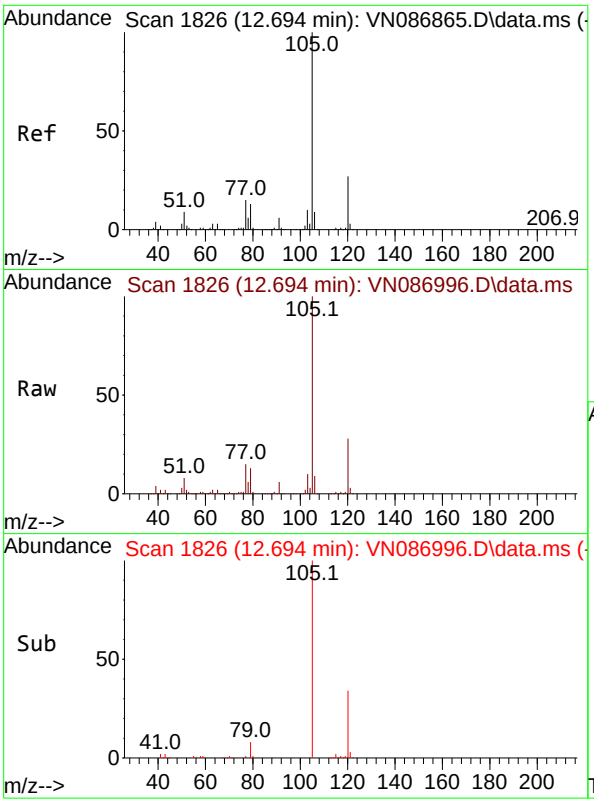


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:152 Resp: 154974

Ion	Ratio	Lower	Upper
152	100		
115	57.6	30.1	90.5
150	173.0	0.0	345.0

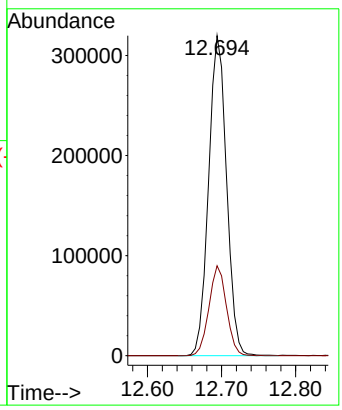




#73
Isopropylbenzene
Concen: 47.619 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:105 Resp: 53761

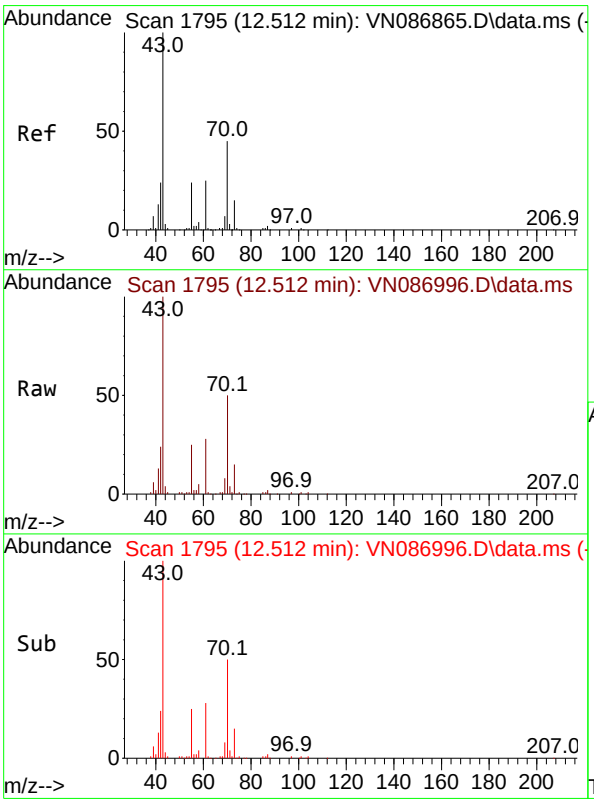
Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.5	40.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

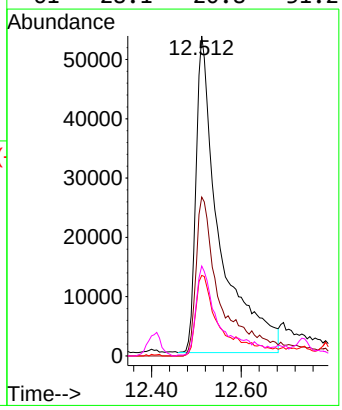
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

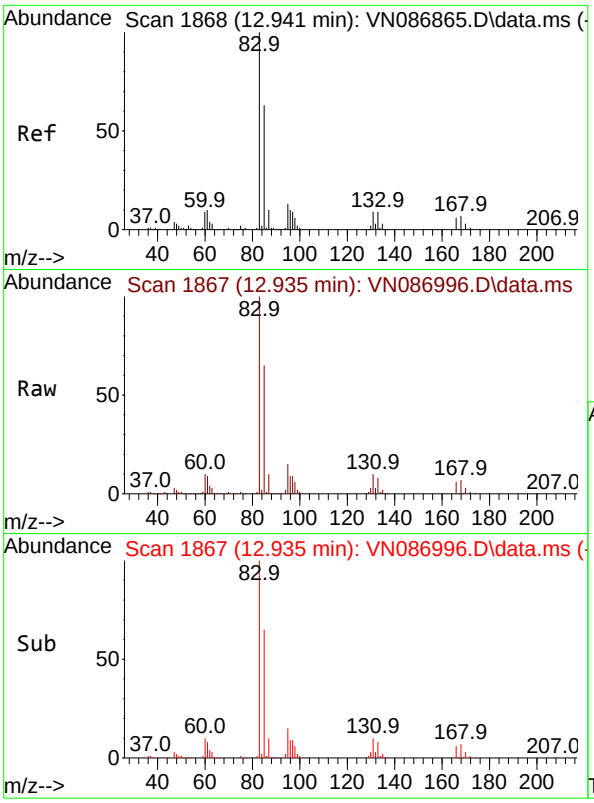


#74
N-amyl acetate
Concen: 49.308 ug/l
RT: 12.512 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 43 Resp: 194530

Ion	Ratio	Lower	Upper
43	100		
70	53.4	37.6	56.4
55	26.6	19.0	28.6
61	28.1	20.8	31.2





#75
1,1,2,2-Tetrachloroethane
Concen: 53.321 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

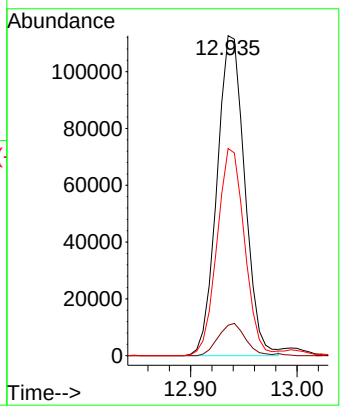
Tgt Ion: 83 Resp: 20394

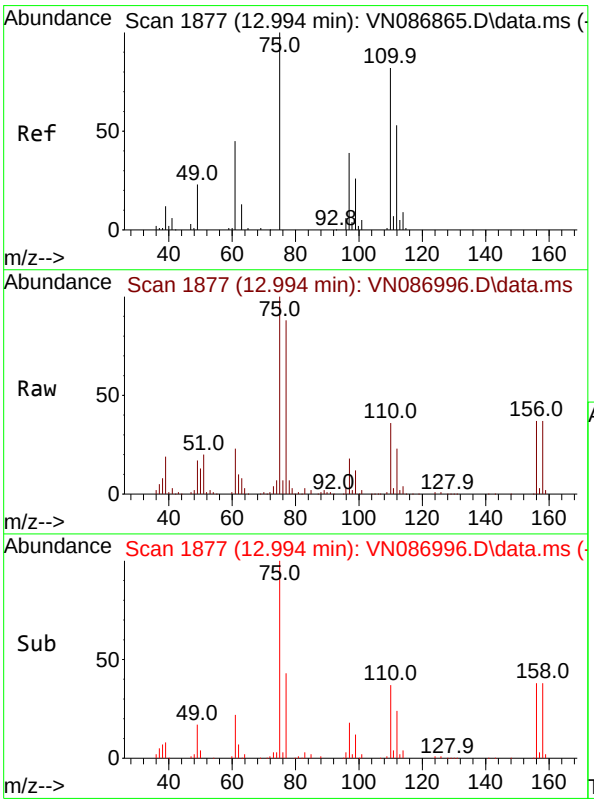
Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	64.1	32.0	96.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

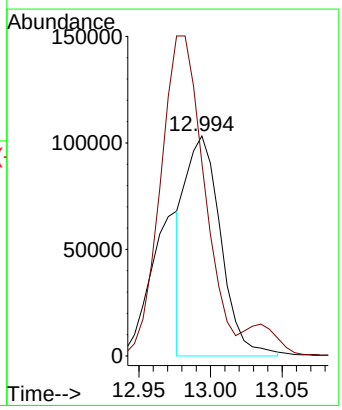


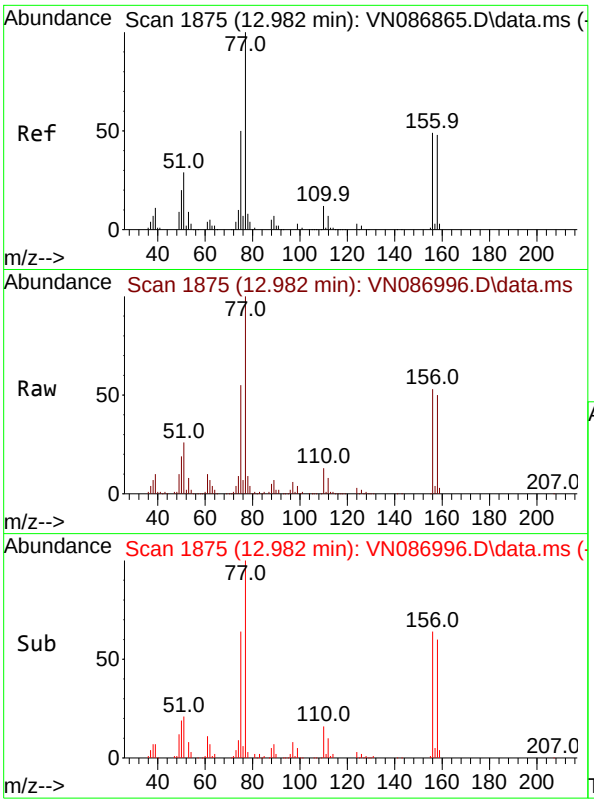


#76
1,2,3-Trichloropropane
Concen: 48.364 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 75 Resp: 178162

Ion	Ratio	Lower	Upper
75	100		
77	178.5	79.3	237.9





#77
Bromobenzene
Concen: 54.712 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

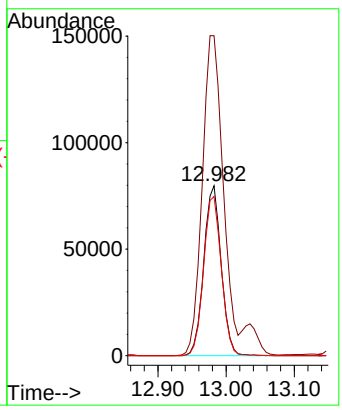
Tgt Ion:156 Resp: 14166

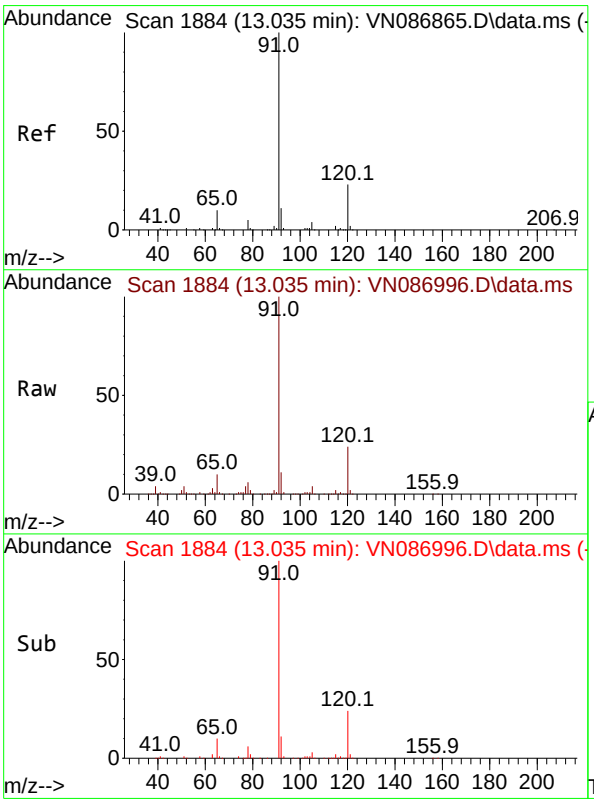
Ion	Ratio	Lower	Upper
156	100		
77	224.5	117.7	353.1
158	95.4	48.1	144.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

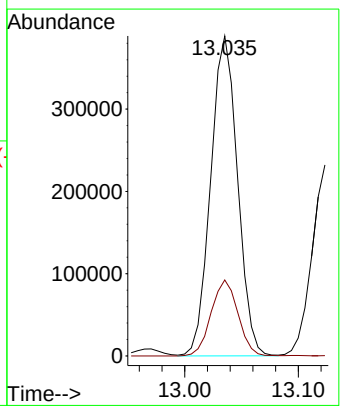


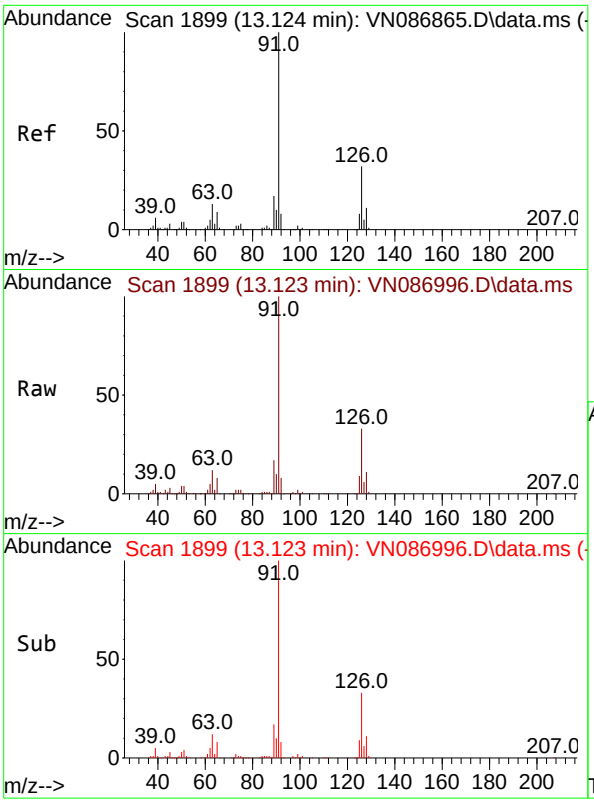


#78
n-propylbenzene
Concen: 46.620 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 91 Resp: 639643

Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.4	34.2





#79
2-Chlorotoluene
Concen: 49.126 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

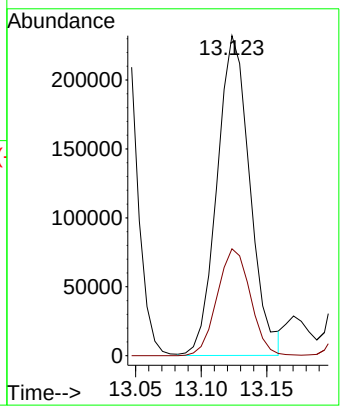
Tgt Ion: 91 Resp: 40422

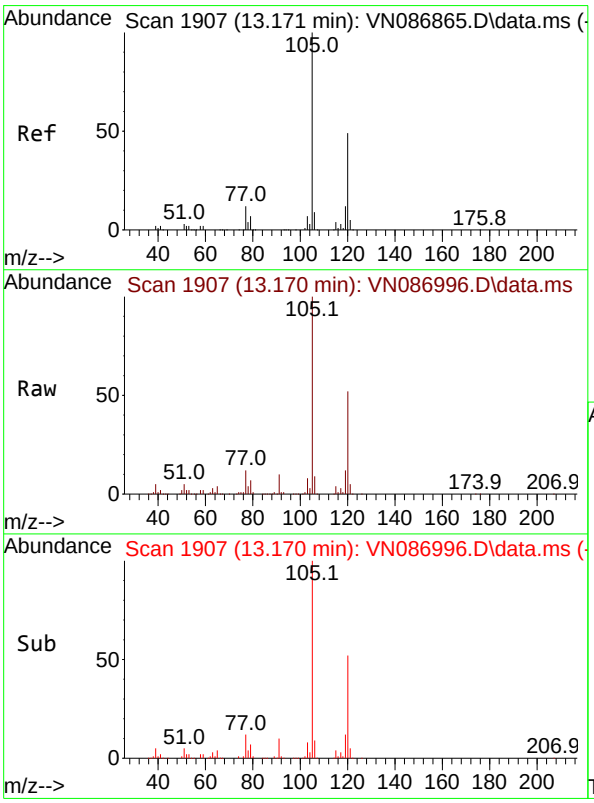
Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.2	48.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

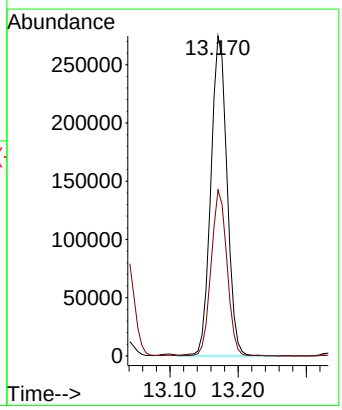


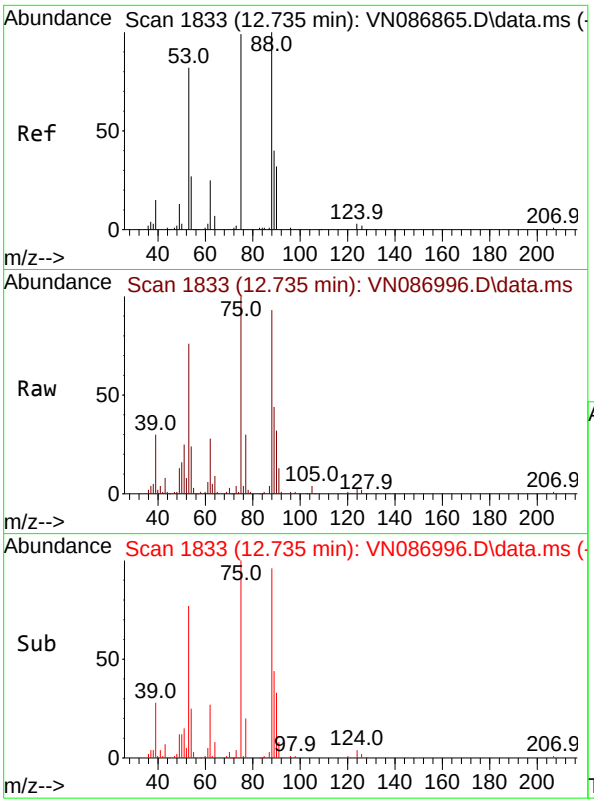


#80
1,3,5-Trimethylbenzene
Concen: 48.717 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:105 Resp: 454100

Ion	Ratio	Lower	Upper
105	100		
120	51.0	24.9	74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 54.616 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

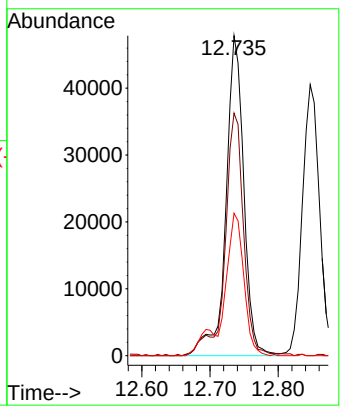
Tgt Ion: 75 Resp: 8740

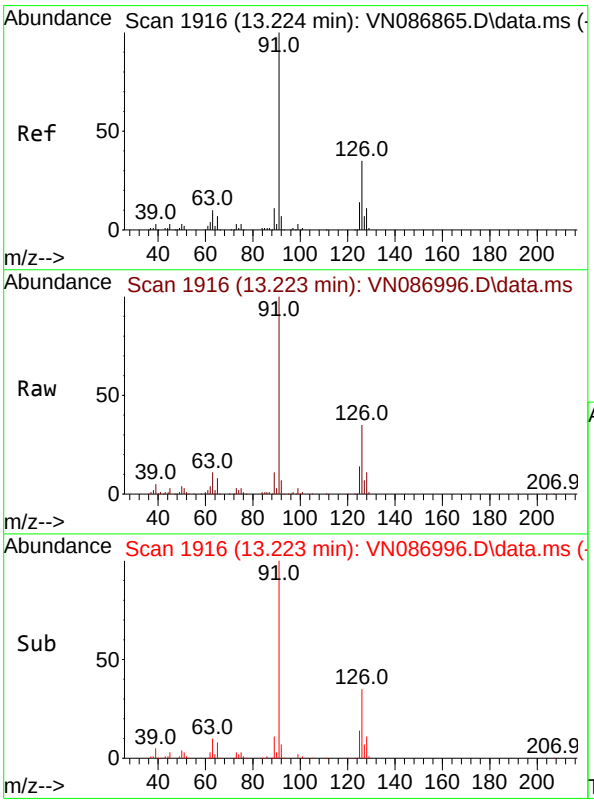
Ion	Ratio	Lower	Upper
75	100		
53	79.0	66.6	99.8
89	41.8	36.7	55.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

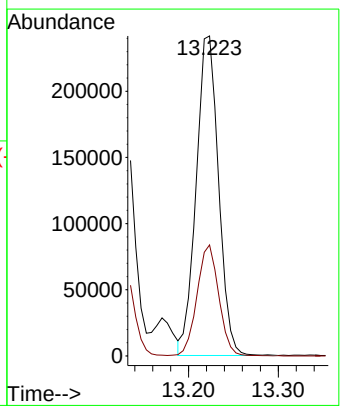


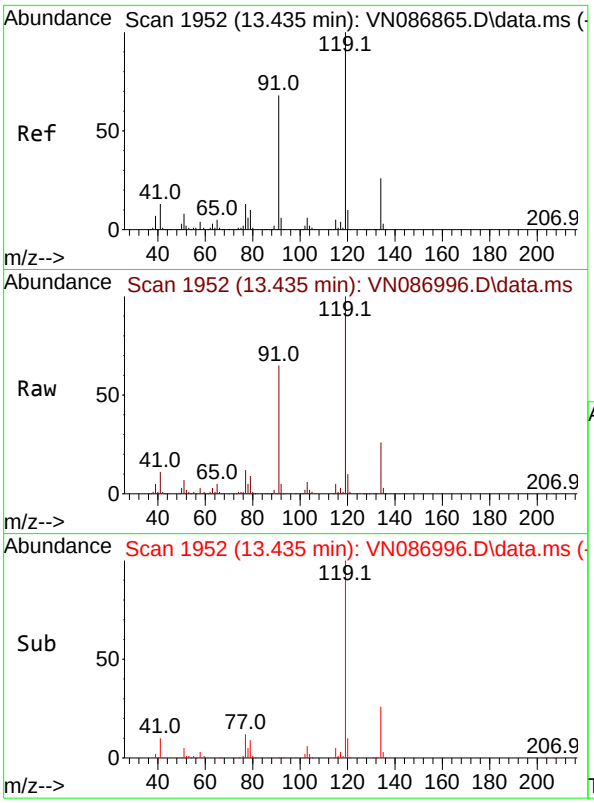


#82
4-Chlorotoluene
Concen: 50.200 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 91 Resp: 417942

Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.7	50.1

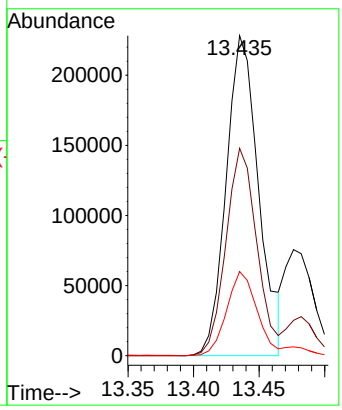




#83
tert-Butylbenzene
Concen: 46.017 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:119 Resp: 39263

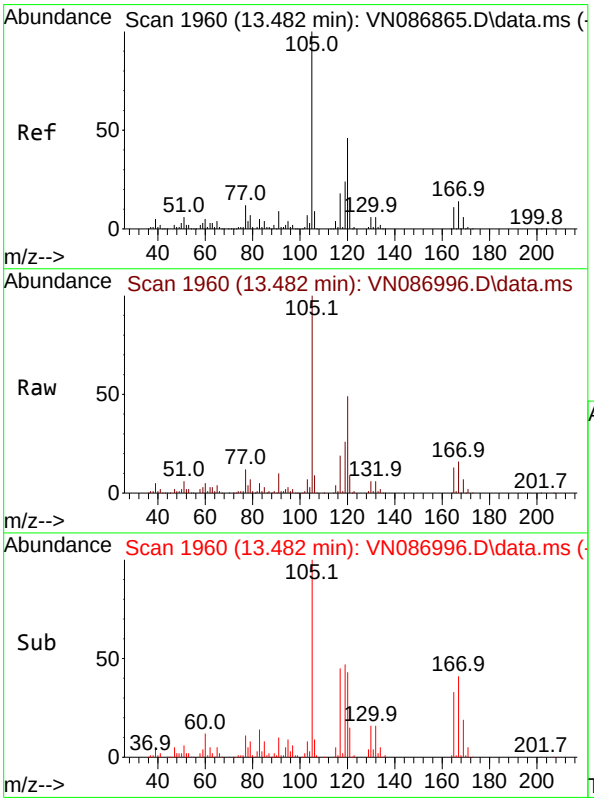
Ion	Ratio	Lower	Upper
119	100		
91	61.9	32.1	96.5
134	26.6	13.4	40.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

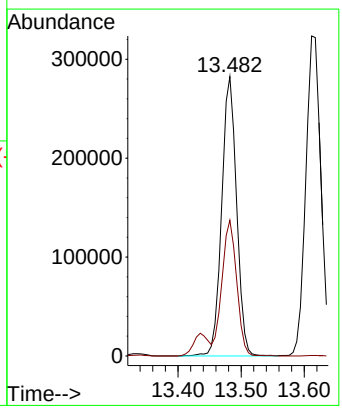
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

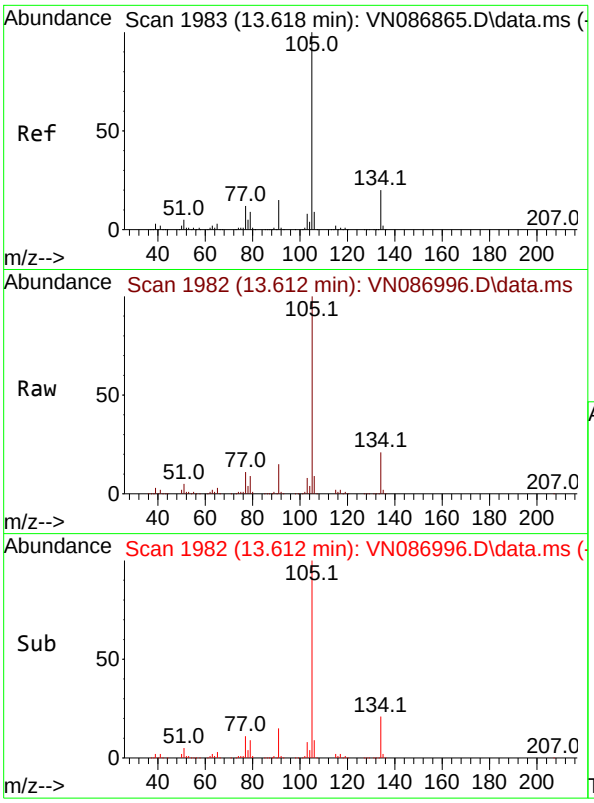


#84
1,2,4-Trimethylbenzene
Concen: 49.602 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:105 Resp: 463629

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.2	69.6

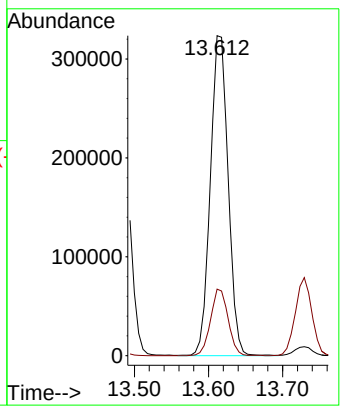




#85
sec-Butylbenzene
Concen: 43.606 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:105 Resp: 54031

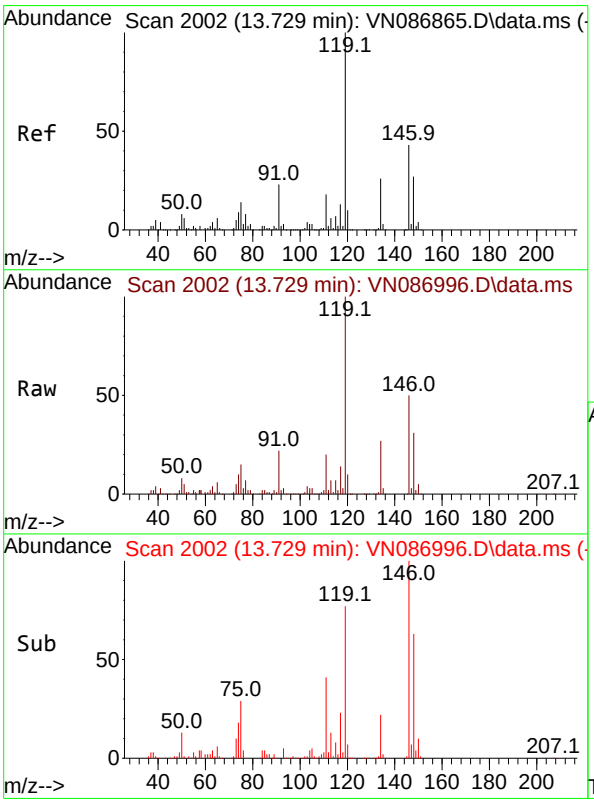
Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.0	30.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

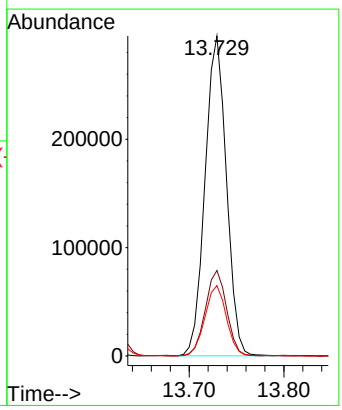
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

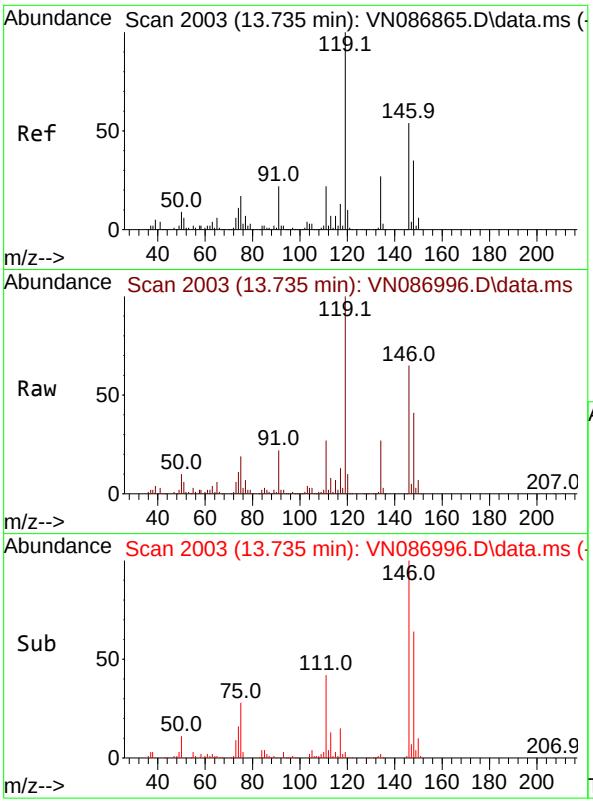


#86
p-Isopropyltoluene
Concen: 45.127 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:119 Resp: 462226

Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.5	40.4
91	22.4	11.5	34.4

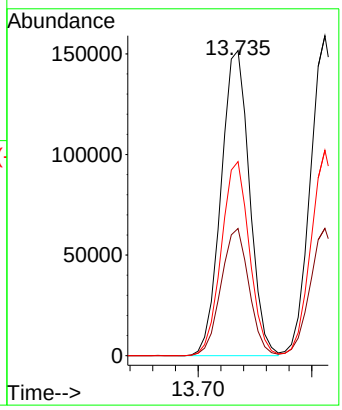




#87
1,3-Dichlorobenzene
Concen: 51.771 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:146 Resp: 26372

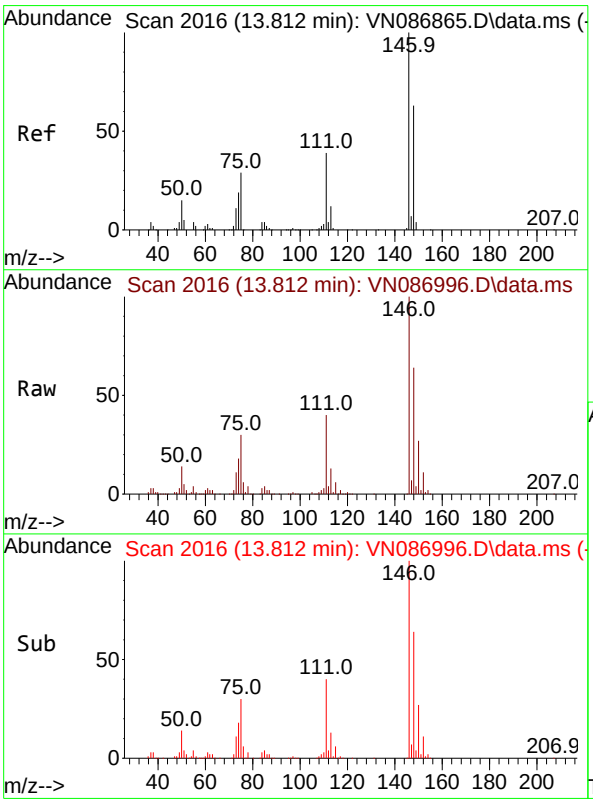
Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.9	62.8
148	62.8	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

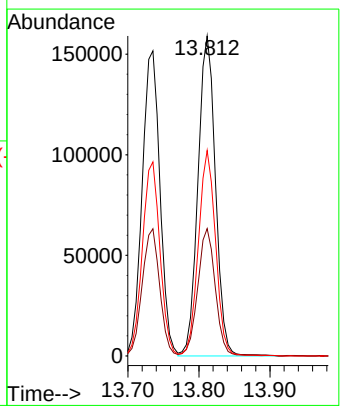
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

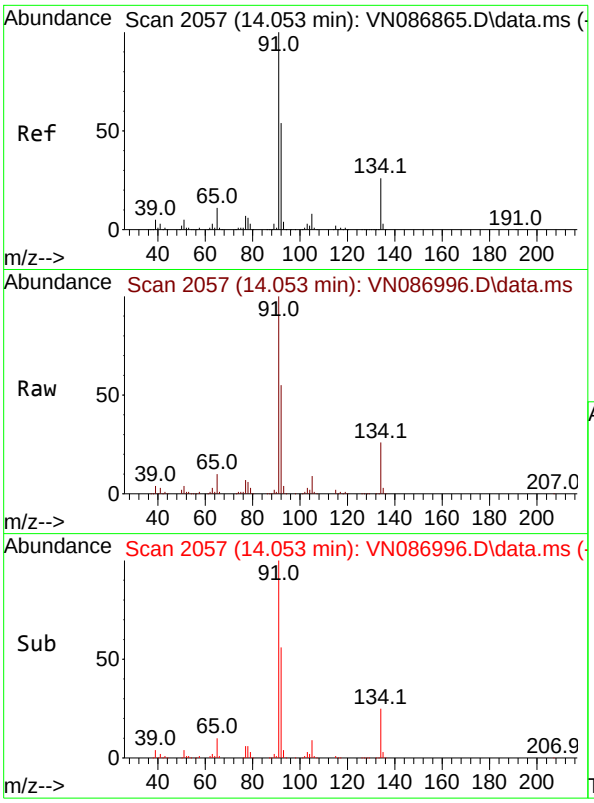


#88
1,4-Dichlorobenzene
Concen: 52.583 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:146 Resp: 273095

Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.9	59.7
148	62.8	31.8	95.4





#89
n-Butylbenzene
Concen: 41.707 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

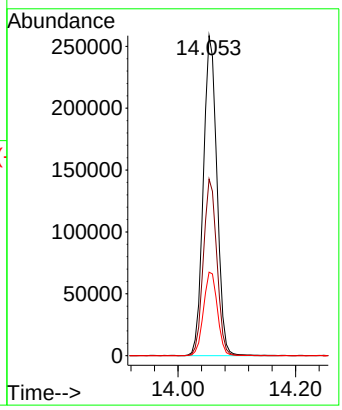
Tgt Ion: 91 Resp: 41377

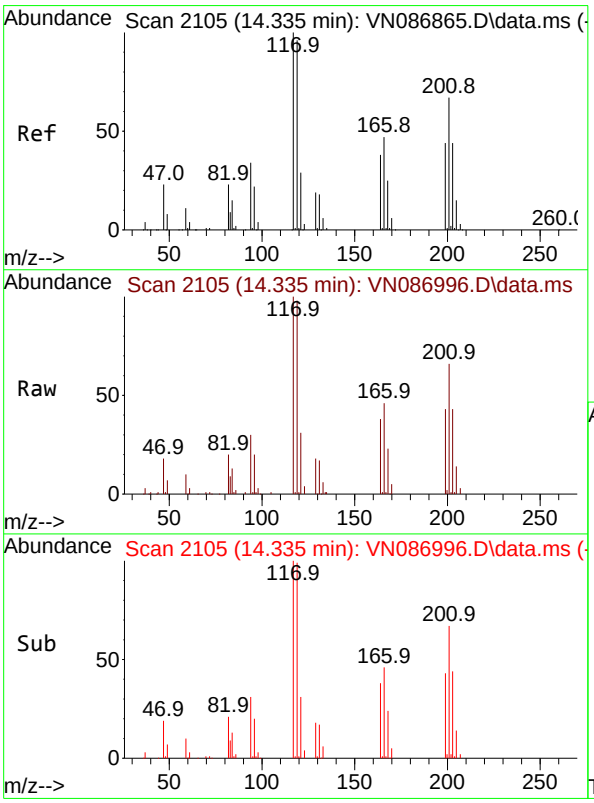
Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.5	82.4
134	26.7	13.0	39.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

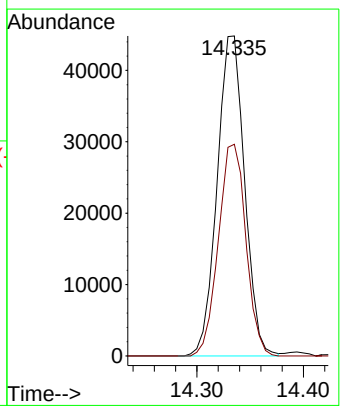


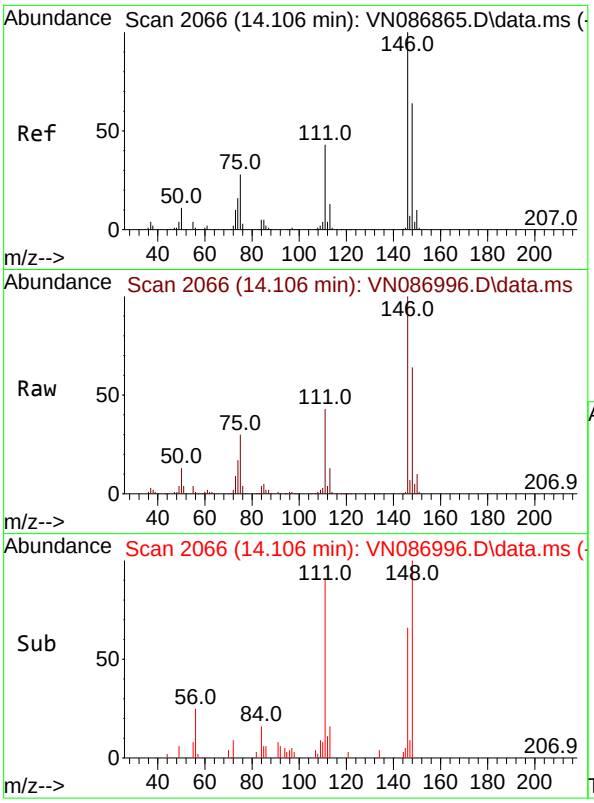


#90
Hexachloroethane
Concen: 46.217 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:117 Resp: 80241

Ion	Ratio	Lower	Upper
117	100		
201	66.2	33.2	99.6

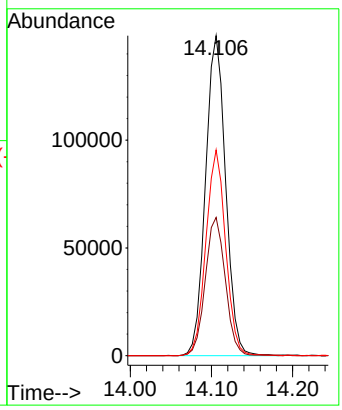




#91
1,2-Dichlorobenzene
Concen: 52.145 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:146 Resp: 25520

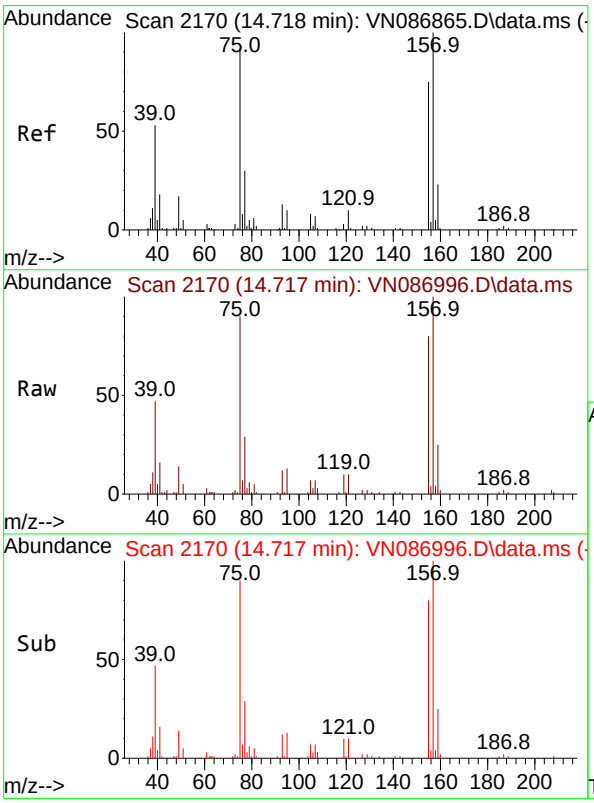
Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	64.6
148	63.1	31.7	95.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

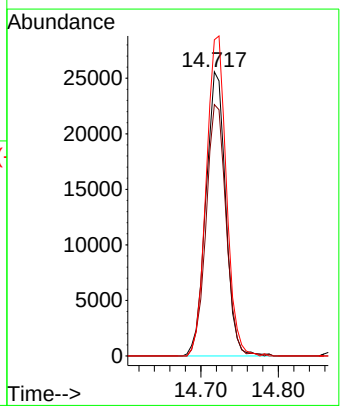
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

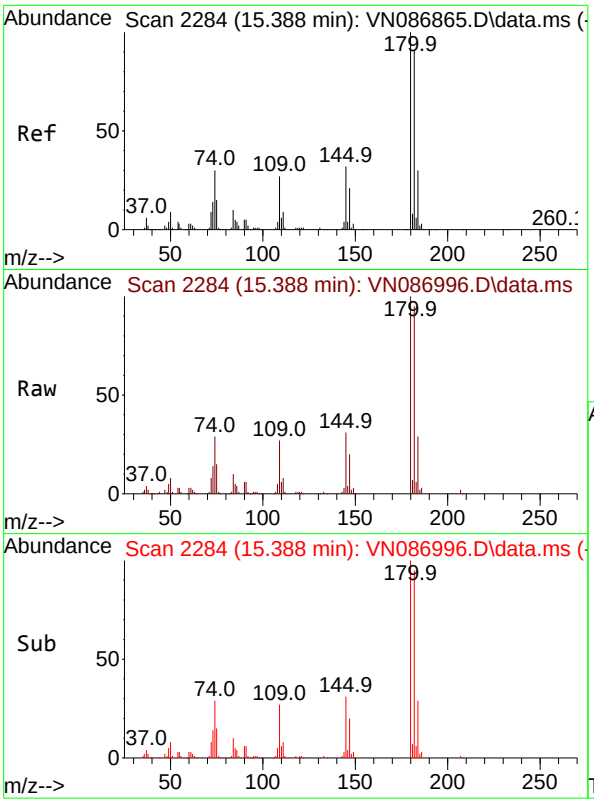


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.620 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 75 Resp: 45388

Ion	Ratio	Lower	Upper
75	100		
155	89.4	41.1	123.4
157	114.0	52.7	158.1





#93
1,2,4-Trichlorobenzene
Concen: 47.834 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

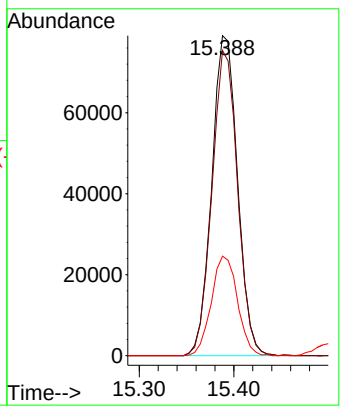
Tgt Ion:180 Resp: 14949

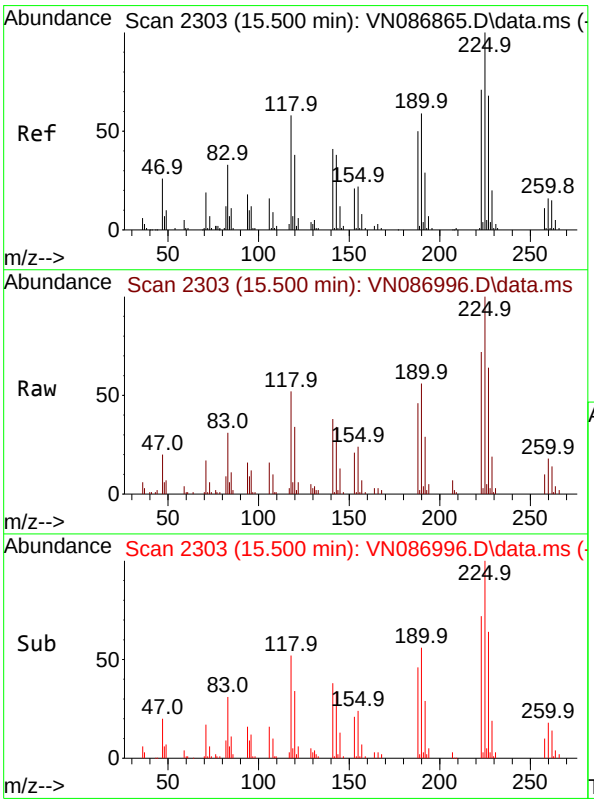
Ion	Ratio	Lower	Upper
180	100		
182	94.7	46.9	140.7
145	31.5	16.0	47.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

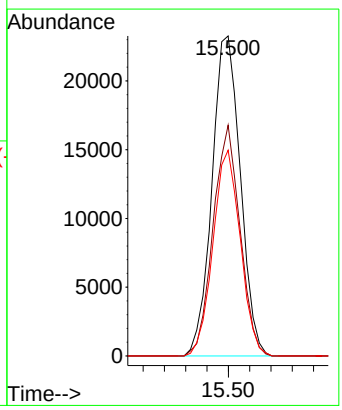


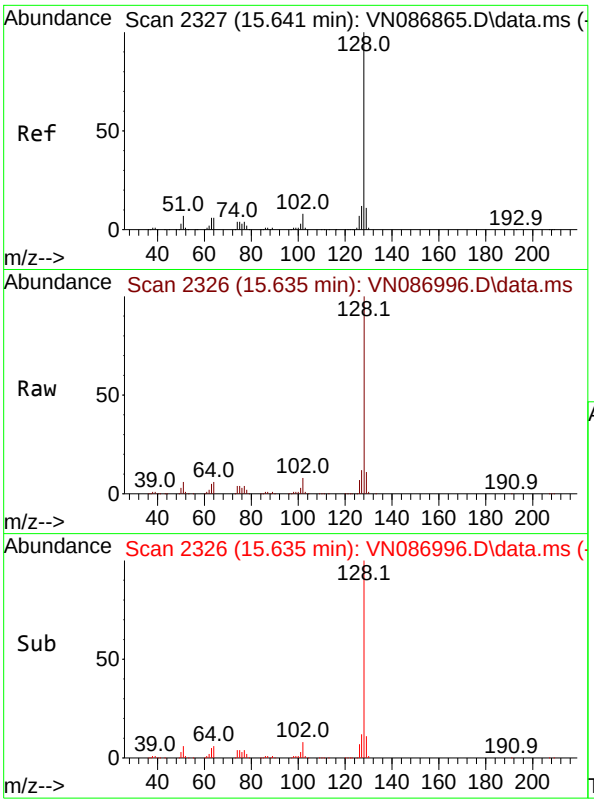


#94
Hexachlorobutadiene
Concen: 36.917 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:225 Resp: 42985

Ion	Ratio	Lower	Upper
225	100		
223	68.2	33.5	100.4
227	62.0	31.1	93.5

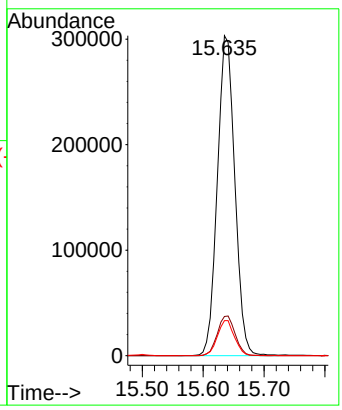




#95
Naphthalene
Concen: 51.949 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:128 Resp: 60430

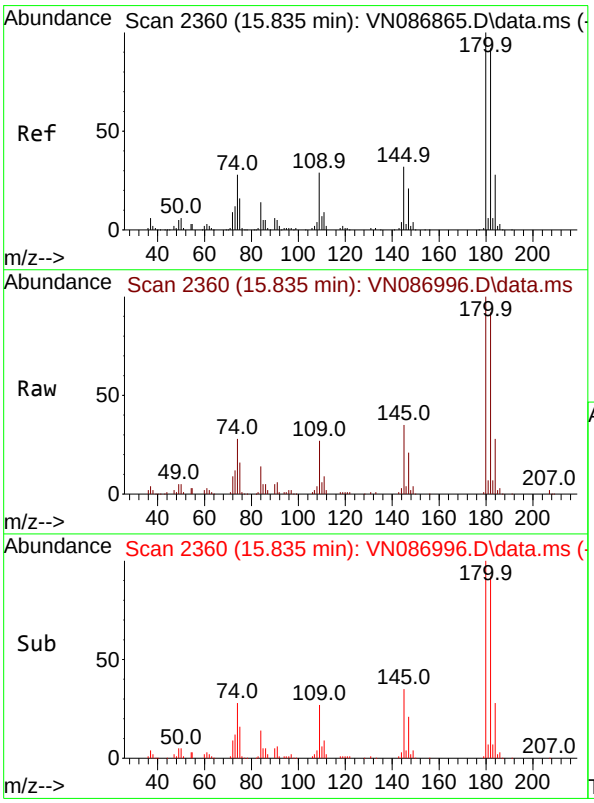
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.8	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

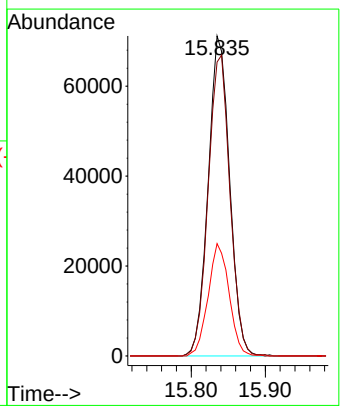
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 46.049 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:180 Resp: 142985

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.0	141.0
145	34.4	16.6	49.8



Sample Results: **VN086996.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086996.D
Acq On : 13 Jun 2025 12:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 14 00:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	92	0.00
2	T	Dichlorodifluoromethane	0.499	0.494	1.0	91	0.00
3	P	Chloromethane	0.644	0.562	12.7	86	0.00
4	C	Vinyl Chloride	0.664	0.695	-4.7#	100	0.00
5	T	Bromomethane	0.372	0.351	5.6	90	0.00
6	T	Chloroethane	0.429	0.449	-4.7	101	0.00
7	T	Trichlorofluoromethane	0.868	0.867	0.1	96	0.00
8	T	Diethyl Ether	0.378	0.448	-18.5	114	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.545	0.537	1.5	95	0.00
10	T	Methyl Iodide	0.707	0.427	39.6#	57	0.01
11	T	Tert butyl alcohol	0.182	0.188	-3.3	98	0.00
12	CM	1,1-Dichloroethene	0.557	0.581	-4.3#	100	0.00
13	T	Acrolein	0.057	0.031	45.6#	63	0.00
14	T	Allyl chloride	0.923	0.880	4.7	93	0.00
15	T	Acrylonitrile	0.425	0.451	-6.1	102	0.00
16	T	Acetone	0.355	0.346	2.5	99	0.00
17	T	Carbon Disulfide	1.539	1.720	-11.8	111	0.01
18	T	Methyl Acetate	1.035	0.870	15.9	81	0.00
19	T	Methyl tert-butyl Ether	2.015	2.241	-11.2	106	0.00
20	T	Methylene Chloride	0.665	0.715	-7.5	109	0.00
21	T	trans-1,2-Dichloroethene	0.619	0.648	-4.7	105	0.00
22	T	Diisopropyl ether	1.945	1.954	-0.5	97	0.00
23	T	Vinyl Acetate	1.644	1.816	-10.5	105	0.00
24	P	1,1-Dichloroethane	1.120	1.168	-4.3	101	0.00
25	T	2-Butanone	0.577	0.570	1.2	95	0.00
26	T	2,2-Dichloropropane	0.871	0.952	-9.3	97	0.00
27	T	cis-1,2-Dichloroethene	0.740	0.814	-10.0	107	0.00
28	T	Bromochloromethane	0.550	0.601	-9.3	118	0.00
29	T	Tetrahydrofuran	0.376	0.377	-0.3	97	0.00
30	C	Chloroform	1.118	1.162	-3.9#	101	0.00
31	T	Cyclohexane	1.086	0.955	12.1	87	0.00
32	T	1,1,1-Trichloroethane	0.951	0.927	2.5	95	0.00
33	S	1,2-Dichloroethane-d4	0.669	0.665	0.6	122	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	92	0.00
35	S	Dibromofluoromethane	0.296	0.318	-7.4	134	0.00
36	T	1,1-Dichloropropene	0.442	0.441	0.2	97	0.00
37	T	Ethyl Acetate	0.562	0.595	-5.9	102	0.00
38	T	Carbon Tetrachloride	0.433	0.421	2.8	95	0.00
39	T	Methylcyclohexane	0.605	0.537	11.2	87	0.00
40	TM	Benzene	1.444	1.500	-3.9	103	0.00
41	T	Methacrylonitrile	0.316	0.308	2.5	94	0.00
42	TM	1,2-Dichloroethane	0.438	0.467	-6.6	105	0.00
43	T	Isopropyl Acetate	0.902	0.903	-0.1	98	0.00
44	TM	Trichloroethene	0.342	0.362	-5.8	102	0.00
45	C	1,2-Dichloropropane	0.351	0.370	-5.4#	103	0.00
46	T	Dibromomethane	0.233	0.265	-13.7	110	0.00
47	T	Bromodichloromethane	0.480	0.515	-7.3	104	0.00
48	T	Methyl methacrylate	0.415	0.414	0.2	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086996.D
Acq On : 13 Jun 2025 12:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 14 00:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.008	0.009	-12.5	103	0.00
50	S	Toluene-d8	1.173	1.131	3.6	121	0.00
51	T	4-Methyl-2-Pentanone	0.543	0.558	-2.8	96	0.00
52	CM	Toluene	0.882	0.929	-5.3#	103	0.00
53	T	t-1,3-Dichloropropene	0.537	0.613	-14.2	108	0.00
54	T	cis-1,3-Dichloropropene	0.574	0.640	-11.5	107	0.00
55	T	1,1,2-Trichloroethane	0.340	0.373	-9.7	107	0.00
56	T	Ethyl methacrylate	0.541	0.636	-17.6	105	0.00
57	T	1,3-Dichloropropane	0.589	0.645	-9.5	106	0.00
58	T	2-Chloroethyl Vinyl ether	0.323	0.367	-13.6	123	0.00
59	T	2-Hexanone	0.350	0.375	-7.1	94	0.00
60	T	Dibromochloromethane	0.354	0.405	-14.4	110	0.00
61	T	1,2-Dibromoethane	0.348	0.398	-14.4	112	0.00
62	S	4-Bromofluorobenzene	0.436	0.446	-2.3	127	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
64	T	Tetrachloroethene	0.316	0.312	1.3	99	0.00
65	PM	Chlorobenzene	1.103	1.165	-5.6	107	0.00
66	T	1,1,1,2-Tetrachloroethane	0.354	0.381	-7.6	106	0.00
67	C	Ethyl Benzene	1.899	1.898	0.1#	99	0.00
68	T	m/p-Xylenes	0.727	0.748	-2.9	100	0.00
69	T	o-Xylene	0.696	0.743	-6.8	103	0.00
70	T	Styrene	1.192	1.276	-7.0	103	0.00
71	P	Bromoform	0.263	0.307	-16.7	109	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
73	T	Isopropylbenzene	3.643	3.469	4.8	94	0.00
74	T	N-amyl acetate	1.273	1.255	1.4	92	0.00
75	P	1,1,2,2-Tetrachloroethane	1.234	1.316	-6.6	103	0.00
76	T	1,2,3-Trichloropropane	1.189	1.150	3.3	91	0.00
77	T	Bromobenzene	0.835	0.914	-9.5	107	0.00
78	T	n-propylbenzene	4.427	4.127	6.8	91	0.00
79	T	2-Chlorotoluene	2.655	2.608	1.8	96	0.00
80	T	1,3,5-Trimethylbenzene	3.007	2.930	2.6	94	0.00
81	T	trans-1,4-Dichloro-2-butene	0.516	0.564	-9.3	110	0.00
82	T	4-Chlorotoluene	2.686	2.697	-0.4	99	0.00
83	T	tert-Butylbenzene	2.753	2.534	8.0	90	0.00
84	T	1,2,4-Trimethylbenzene	3.016	2.992	0.8	95	0.00
85	T	sec-Butylbenzene	3.998	3.487	12.8	84	0.00
86	T	p-Isopropyltoluene	3.305	2.983	9.7	87	0.00
87	T	1,3-Dichlorobenzene	1.644	1.702	-3.5	101	0.00
88	T	1,4-Dichlorobenzene	1.676	1.762	-5.1	104	0.00
89	T	n-Butylbenzene	3.201	2.670	16.6	81	0.00
90	T	Hexachloroethane	0.560	0.518	7.5	89	0.00
91	T	1,2-Dichlorobenzene	1.579	1.647	-4.3	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.295	0.293	0.7	100	0.00
93	T	1,2,4-Trichlorobenzene	1.008	0.965	4.3	92	0.00
94	T	Hexachlorobutadiene	0.376	0.277	26.3#	71	0.00
95	T	Naphthalene	3.753	3.899	-3.9	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086996.D
Acq On : 13 Jun 2025 12:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 14 00:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.002	0.923	7.9	90	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VN086996.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086996.D
Acq On : 13 Jun 2025 12:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 14 00:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	92	0.00
2	T	Dichlorodifluoromethane	50.000	49.581	0.8	91	0.00
3	P	Chloromethane	50.000	43.634	12.7	86	0.00
4	C	Vinyl Chloride	50.000	52.300	-4.6#	100	0.00
5	T	Bromomethane	50.000	47.236	5.5	90	0.00
6	T	Chloroethane	50.000	52.288	-4.6	101	0.00
7	T	Trichlorofluoromethane	50.000	49.983	0.0	96	0.00
8	T	Diethyl Ether	50.000	59.305	-18.6	114	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.231	1.5	95	0.00
10	T	Methyl Iodide	50.000	30.223	39.6#	57	0.01
11	T	Tert butyl alcohol	250.000	259.155	-3.7	98	0.00
12	CM	1,1-Dichloroethene	50.000	52.196	-4.4#	100	0.00
13	T	Acrolein	250.000	134.505	46.2#	63	0.00
14	T	Allyl chloride	50.000	47.673	4.7	93	0.00
15	T	Acrylonitrile	250.000	265.480	-6.2	102	0.00
16	T	Acetone	250.000	243.522	2.6	99	0.00
17	T	Carbon Disulfide	50.000	55.851	-11.7	111	0.01
18	T	Methyl Acetate	50.000	42.045	15.9	81	0.00
19	T	Methyl tert-butyl Ether	50.000	55.607	-11.2	106	0.00
20	T	Methylene Chloride	50.000	53.804	-7.6	109	0.00
21	T	trans-1,2-Dichloroethene	50.000	52.316	-4.6	105	0.00
22	T	Diisopropyl ether	50.000	50.223	-0.4	97	0.00
23	T	Vinyl Acetate	250.000	276.228	-10.5	105	0.00
24	P	1,1-Dichloroethane	50.000	52.162	-4.3	101	0.00
25	T	2-Butanone	250.000	246.825	1.3	95	0.00
26	T	2,2-Dichloropropane	50.000	54.680	-9.4	97	0.00
27	T	cis-1,2-Dichloroethene	50.000	54.931	-9.9	107	0.00
28	T	Bromochloromethane	50.000	54.591	-9.2	118	0.00
29	T	Tetrahydrofuran	250.000	250.623	-0.2	97	0.00
30	C	Chloroform	50.000	51.983	-4.0#	101	0.00
31	T	Cyclohexane	50.000	43.987	12.0	87	0.00
32	T	1,1,1-Trichloroethane	50.000	48.720	2.6	95	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.645	0.7	122	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	92	0.00
35	S	Dibromofluoromethane	50.000	53.613	-7.2	134	0.00
36	T	1,1-Dichloropropene	50.000	49.963	0.1	97	0.00
37	T	Ethyl Acetate	50.000	52.914	-5.8	102	0.00
38	T	Carbon Tetrachloride	50.000	48.564	2.9	95	0.00
39	T	Methylcyclohexane	50.000	44.385	11.2	87	0.00
40	TM	Benzene	50.000	51.942	-3.9	103	0.00
41	T	Methacrylonitrile	50.000	48.771	2.5	94	0.00
42	TM	1,2-Dichloroethane	50.000	53.302	-6.6	105	0.00
43	T	Isopropyl Acetate	50.000	50.052	-0.1	98	0.00
44	TM	Trichloroethene	50.000	52.804	-5.6	102	0.00
45	C	1,2-Dichloropropane	50.000	52.657	-5.3#	103	0.00
46	T	Dibromomethane	50.000	56.724	-13.4	110	0.00
47	T	Bromodichloromethane	50.000	53.637	-7.3	104	0.00
48	T	Methyl methacrylate	50.000	49.899	0.2	97	0.00

Sample Results: **VN086996.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086996.D
Acq On : 13 Jun 2025 12:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 14 00:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1154.073	-15.4	103	0.00
50	S	Toluene-d8	50.000	48.224	3.6	121	0.00
51	T	4-Methyl-2-Pentanone	250.000	257.005	-2.8	96	0.00
52	CM	Toluene	50.000	52.663	-5.3#	103	0.00
53	T	t-1,3-Dichloropropene	50.000	57.068	-14.1	108	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.726	-11.5	107	0.00
55	T	1,1,2-Trichloroethane	50.000	55.000	-10.0	107	0.00
56	T	Ethyl methacrylate	50.000	58.775	-17.5	105	0.00
57	T	1,3-Dichloropropane	50.000	54.739	-9.5	106	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	284.484	-13.8	123	0.00
59	T	2-Hexanone	250.000	268.212	-7.3	94	0.00
60	T	Dibromochloromethane	50.000	57.298	-14.6	110	0.00
61	T	1,2-Dibromoethane	50.000	57.138	-14.3	112	0.00
62	S	4-Bromofluorobenzene	50.000	51.180	-2.4	127	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	94	0.00
64	T	Tetrachloroethene	50.000	49.232	1.5	99	0.00
65	PM	Chlorobenzene	50.000	52.832	-5.7	107	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.761	-7.5	106	0.00
67	C	Ethyl Benzene	50.000	49.965	0.1#	99	0.00
68	T	m/p-Xylenes	100.000	102.831	-2.8	100	0.00
69	T	o-Xylene	50.000	53.373	-6.7	103	0.00
70	T	Styrene	50.000	53.555	-7.1	103	0.00
71	P	Bromoform	50.000	58.496	-17.0	109	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
73	T	Isopropylbenzene	50.000	47.619	4.8	94	0.00
74	T	N-amyl acetate	50.000	49.308	1.4	92	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.321	-6.6	103	0.00
76	T	1,2,3-Trichloropropane	50.000	48.364	3.3	91	0.00
77	T	Bromobenzene	50.000	54.712	-9.4	107	0.00
78	T	n-propylbenzene	50.000	46.620	6.8	91	0.00
79	T	2-Chlorotoluene	50.000	49.126	1.7	96	0.00
80	T	1,3,5-Trimethylbenzene	50.000	48.717	2.6	94	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	54.616	-9.2	110	0.00
82	T	4-Chlorotoluene	50.000	50.200	-0.4	99	0.00
83	T	tert-Butylbenzene	50.000	46.017	8.0	90	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.602	0.8	95	0.00
85	T	sec-Butylbenzene	50.000	43.606	12.8	84	0.00
86	T	p-Isopropyltoluene	50.000	45.127	9.7	87	0.00
87	T	1,3-Dichlorobenzene	50.000	51.771	-3.5	101	0.00
88	T	1,4-Dichlorobenzene	50.000	52.583	-5.2	104	0.00
89	T	n-Butylbenzene	50.000	41.707	16.6	81	0.00
90	T	Hexachloroethane	50.000	46.217	7.6	89	0.00
91	T	1,2-Dichlorobenzene	50.000	52.145	-4.3	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.620	0.8	100	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.834	4.3	92	0.00
94	T	Hexachlorobutadiene	50.000	36.917	26.2#	71	0.00
95	T	Naphthalene	50.000	51.949	-3.9	100	0.00

Sample Results: **VN086996.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086996.D
Acq On : 13 Jun 2025 12:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 14 00:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	46.049	7.9	90	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VN087015.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: TETR06

Lab Code: CHEM Case No.: Q2314 SAS No.: Q2314 SDG No.: Q2314

Instrument ID: MSVOA_N Calibration Date/Time: 06/13/2025 20:13

Lab File ID: VN087015.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.644	0.652	0.1	1.24	50
Vinyl Chloride	0.664	0.821		23.65	50
Bromomethane	0.372	0.219		-41.13	50
Chloroethane	0.429	0.518		20.75	50
Trichlorofluoromethane	0.868	1.042		20.05	50
1,1,2-Trichlorotrifluoroethane	0.545	0.617		13.21	50
1,1-Dichloroethene	0.557	0.668		19.93	50
Acetone	0.355	0.350		-1.41	50
Carbon Disulfide	1.539	2.017		31.06	50
Methyl tert-butyl Ether	2.015	2.225		10.42	50
Methylene Chloride	0.665	0.744		11.88	50
trans-1,2-Dichloroethene	0.619	0.710		14.7	50
1,1-Dichloroethane	1.120	1.263	0.1	12.77	50
2-Butanone	0.577	0.590		2.25	50
Carbon Tetrachloride	0.433	0.489		12.93	50
cis-1,2-Dichloroethene	0.740	0.836		12.97	50
Chloroform	1.118	1.246		11.45	50
1,1,1-Trichloroethane	0.951	1.053		10.73	50
Methylcyclohexane	0.605	0.611		0.99	50
Benzene	1.444	1.638		13.44	50
1,2-Dichloroethane	0.438	0.485		10.73	50
Trichloroethene	0.342	0.397		16.08	50
1,2-Dichloropropane	0.351	0.397		13.1	50
Bromodichloromethane	0.480	0.538		12.08	50
4-Methyl-2-Pentanone	0.543	0.578		6.45	50
Toluene	0.882	1.010		14.51	50
t-1,3-Dichloropropene	0.537	0.584		8.75	50
cis-1,3-Dichloropropene	0.574	0.634		10.45	50
1,1,2-Trichloroethane	0.340	0.377		10.88	50
2-Hexanone	0.350	0.392		12	50
Dibromochloromethane	0.354	0.408		15.25	50
Tetrachloroethene	0.316	0.387		22.47	50
Chlorobenzene	1.103	1.233	0.3	11.79	50
Ethyl Benzene	1.900	2.095		10.26	50
m/p-Xylenes	0.727	0.827		13.76	50
o-Xylene	0.696	0.790		13.51	50
Styrene	1.192	1.365		14.51	50
Bromoform	0.263	0.300	0.1	14.07	50

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: TETR06

Lab Code: CHEM Case No.: Q2314 SAS No.: Q2314 SDG No.: Q2314

Instrument ID: MSVOA_N Calibration Date/Time: 06/13/2025 20:13

Lab File ID: VN087015.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.643	3.855		5.82	50
1,1,2,2-Tetrachloroethane	1.234	1.365	0.3	10.62	50
1,3-Dichlorobenzene	1.644	1.779		8.21	50
1,4-Dichlorobenzene	1.676	1.813		8.17	50
1,2-Dichlorobenzene	1.579	1.724		9.18	50
1,2-Dichloroethane-d4	0.669	0.681		1.79	50
Dibromofluoromethane	0.296	0.323		9.12	50
Toluene-d8	1.173	1.197		2.05	50
4-Bromofluorobenzene	0.436	0.460		5.51	50

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_N\Data\VN061325\
Data File : VN087015.D
Acq On : 13 Jun 2025 20:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 14 00:35:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	177059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	323664	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	286714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	143044	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	120504	50.832	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.660%			
35) Dibromofluoromethane	8.177	113	104545	54.504	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.000%			
50) Toluene-d8	10.571	98	387445	51.025	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.040%			
62) 4-Bromofluorobenzene	12.847	95	148979	52.808	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.620%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	102513	58.068	ug/l	99
3) Chloromethane	2.395	50	115435	50.637	ug/l	98
4) Vinyl Chloride	2.554	62	145294	61.785	ug/l	98
5) Bromomethane	2.995	94	38834	29.510	ug/l	99
6) Chloroethane	3.153	64	91785	60.424	ug/l	96
7) Trichlorofluoromethane	3.530	101	184503	60.050	ug/l	95
8) Diethyl Ether	3.983	74	77594	57.964	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.400	101	109285	56.615	ug/l	99
10) Methyl Iodide	4.612	142	70915	28.340	ug/l	98
11) Tert butyl alcohol	5.542	59	167958	261.110	ug/l	99
12) 1,1-Dichloroethene	4.371	96	118251	60.004	ug/l	91
13) Acrolein	4.200	56	19026	93.443	ug/l	99
14) Allyl chloride	5.047	41	165051	50.500	ug/l	97
15) Acrylonitrile	5.742	53	405166	269.483	ug/l	99
16) Acetone	4.447	43	309658	246.315	ug/l	98
17) Carbon Disulfide	4.742	76	357127	65.513	ug/l	100
18) Methyl Acetate	5.047	43	169286	46.208	ug/l	97
19) Methyl tert-butyl Ether	5.818	73	394017	55.219	ug/l	97
20) Methylene Chloride	5.300	84	131735	55.971	ug/l	95
21) trans-1,2-Dichloroethene	5.812	96	125710	57.334	ug/l	96
22) Diisopropyl ether	6.689	45	368851	53.539	ug/l	98
23) Vinyl Acetate	6.618	43	1623406	278.900	ug/l	98
24) 1,1-Dichloroethane	6.583	63	223707	56.425	ug/l	99
25) 2-Butanone	7.494	43	521890	255.393	ug/l	96
26) 2,2-Dichloropropane	7.500	77	140253	45.477	ug/l	97
27) cis-1,2-Dichloroethene	7.500	96	147981	56.434	ug/l	97
28) Bromochloromethane	7.824	49	104187	53.447	ug/l	93
29) Tetrahydrofuran	7.847	42	344827	259.039	ug/l	95
30) Chloroform	7.977	83	220616	55.720	ug/l	97
31) Cyclohexane	8.271	56	201646	52.445	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	186520	55.388	ug/l	99
36) 1,1-Dichloropropene	8.383	75	165286	57.829	ug/l	99
37) Ethyl Acetate	7.571	43	192815	52.994	ug/l	98
38) Carbon Tetrachloride	8.371	117	158306	56.416	ug/l	96
39) Methylcyclohexane	9.606	83	197918	50.543	ug/l	96
40) Benzene	8.612	78	530188	56.727	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087015.D
Acq On : 13 Jun 2025 20:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 14 00:35:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	107778	52.745	ug/l		96
42) 1,2-Dichloroethane	8.677	62	156821	55.319	ug/l		100
43) Isopropyl Acetate	8.694	43	300238	51.413	ug/l		97
44) Trichloroethene	9.359	130	128567	58.013	ug/l		99
45) 1,2-Dichloropropane	9.624	63	128559	56.539	ug/l		99
46) Dibromomethane	9.712	93	86619	57.352	ug/l		99
47) Bromodichloromethane	9.894	83	174176	56.051	ug/l		98
48) Methyl methacrylate	9.688	41	138963	51.701	ug/l		96
49) 1,4-Dioxane	9.706	88	52836	1080.544	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.447	43	936186	266.296	ug/l		97
52) Toluene	10.635	92	326827	57.220	ug/l		99
53) t-1,3-Dichloropropene	10.841	75	188870	54.355	ug/l		95
54) cis-1,3-Dichloropropene	10.318	75	205259	55.209	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	122125	55.567	ug/l		98
56) Ethyl methacrylate	10.882	69	208346	59.518	ug/l		94
57) 1,3-Dichloropropane	11.165	76	214803	56.341	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.165	63	582139	278.815	ug/l		99
59) 2-Hexanone	11.200	43	633853	279.908	ug/l		93
60) Dibromochloromethane	11.359	129	131961	57.629	ug/l		100
61) 1,2-Dibromoethane	11.471	107	129432	57.456	ug/l		99
64) Tetrachloroethene	11.106	164	110954	61.148	ug/l		97
65) Chlorobenzene	11.894	112	353548	55.910	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	112219	55.207	ug/l		100
67) Ethyl Benzene	11.965	91	600721	55.151	ug/l		99
68) m/p-Xylenes	12.071	106	474265	113.745	ug/l		99
69) o-Xylene	12.400	106	226555	56.733	ug/l		99
70) Styrene	12.412	104	391256	57.257	ug/l		99
71) Bromoform	12.582	173	86089	57.160	ug/l	#	100
73) Isopropylbenzene	12.694	105	551423	52.915	ug/l		99
74) N-amyl acetate	12.512	43	190258	52.247	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	195192	55.290	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	163490m	48.082	ug/l		
77) Bromobenzene	12.982	156	134351	56.217	ug/l		95
78) n-propylbenzene	13.035	91	657646	51.930	ug/l		98
79) 2-Chlorotoluene	13.123	91	405474	53.388	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	452624	52.608	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	56569	38.297	ug/l		97
82) 4-Chlorotoluene	13.218	91	415698	54.095	ug/l		99
83) tert-Butylbenzene	13.435	119	402449	51.101	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	466357	54.055	ug/l		99
85) sec-Butylbenzene	13.612	105	559228	48.896	ug/l		99
86) p-Isopropyltoluene	13.729	119	470095	49.723	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	254506	54.127	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	259312	54.093	ug/l		99
89) n-Butylbenzene	14.053	91	423209	46.215	ug/l		99
90) Hexachloroethane	14.329	117	68232	42.577	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	246617	54.592	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	43462	51.477	ug/l		94
93) 1,2,4-Trichlorobenzene	15.388	180	141048	48.896	ug/l		99
94) Hexachlorobutadiene	15.494	225	41240	38.372	ug/l		99
95) Naphthalene	15.635	128	574068	53.465	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	136299	47.556	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087015.D
Acq On : 13 Jun 2025 20:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 14 00:35:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

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

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

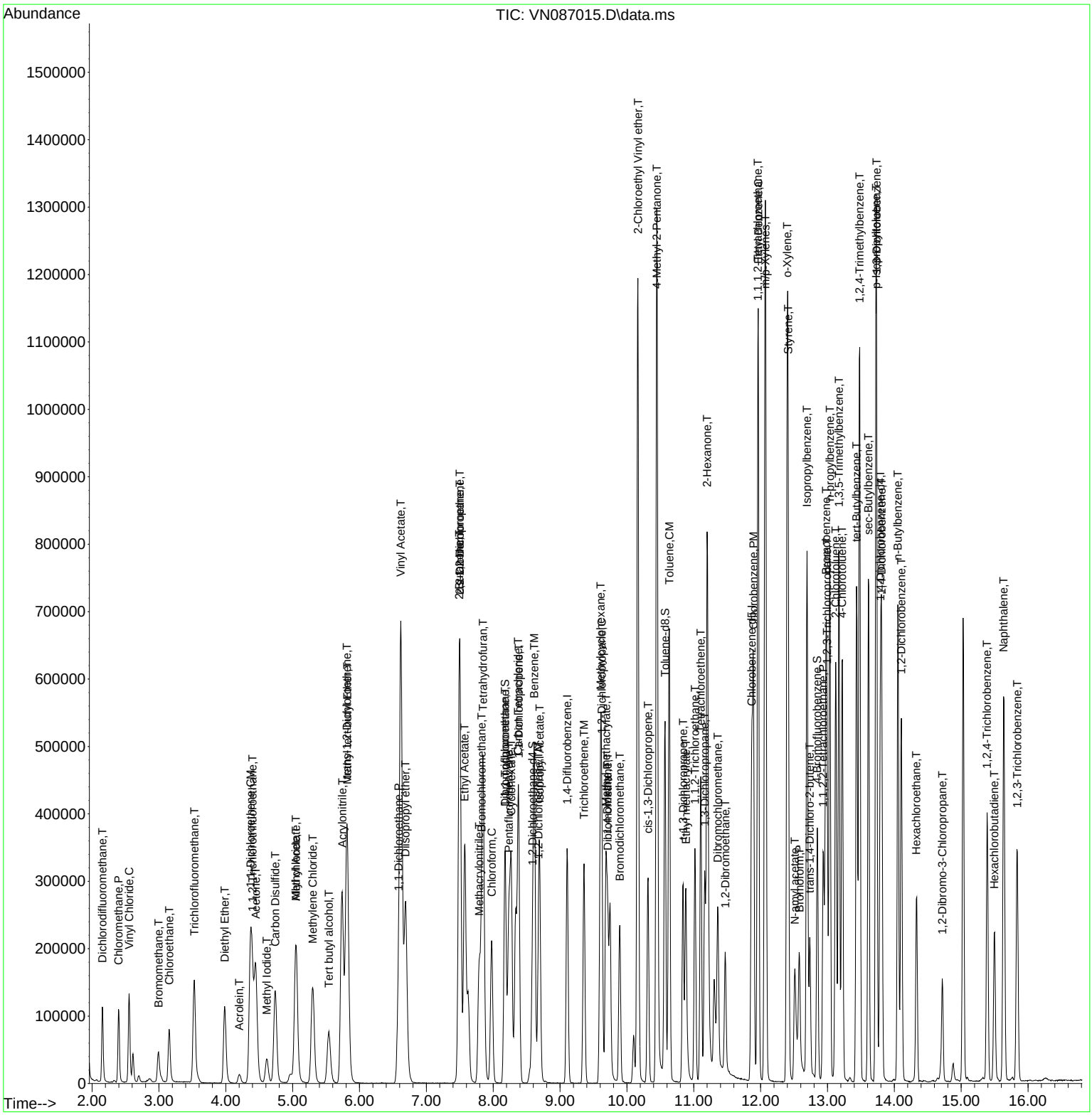
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087015.D
Acq On : 13 Jun 2025 20:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

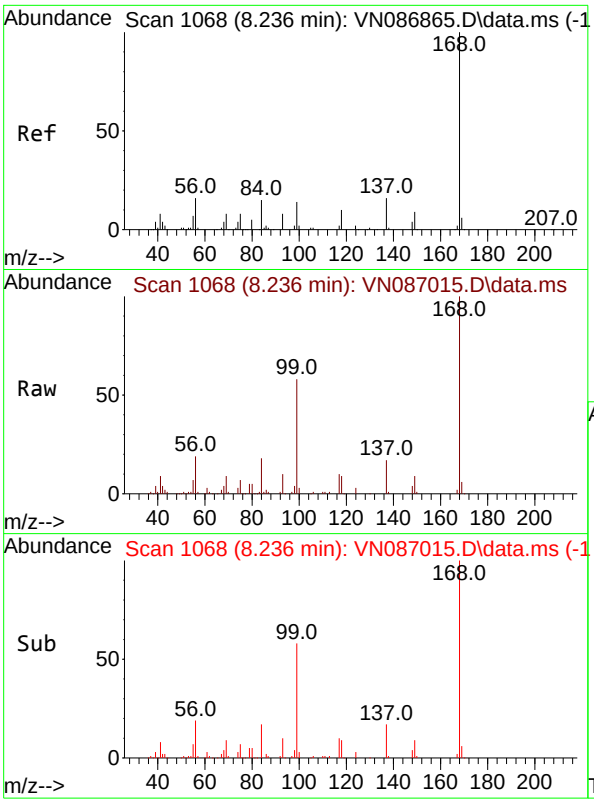
Quant Time: Jun 14 00:35:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

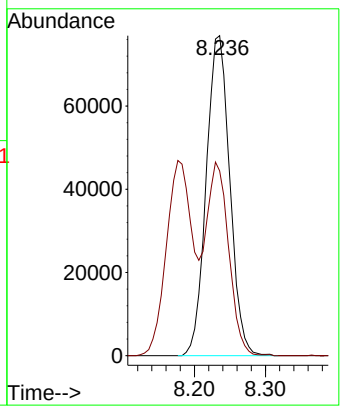




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:168 Resp: 17705

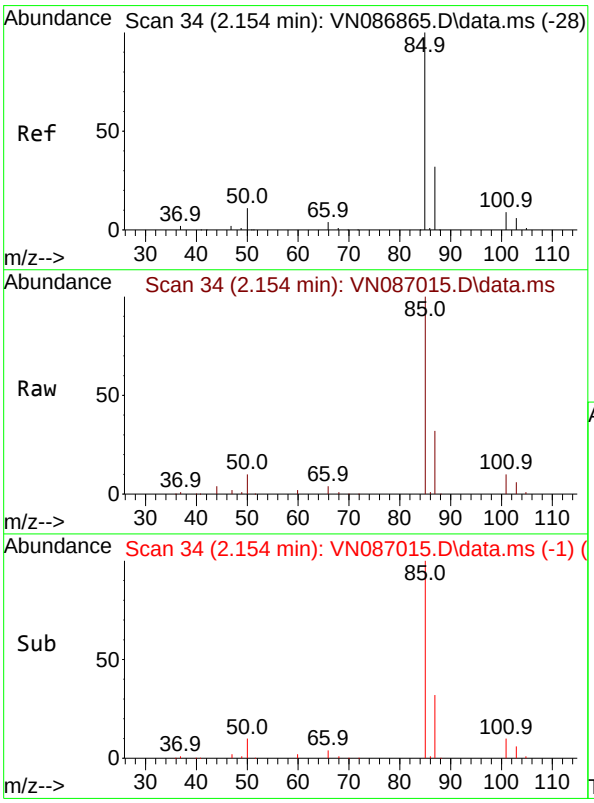
Ion	Ratio	Lower	Upper
168	100		
99	57.8	49.1	73.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

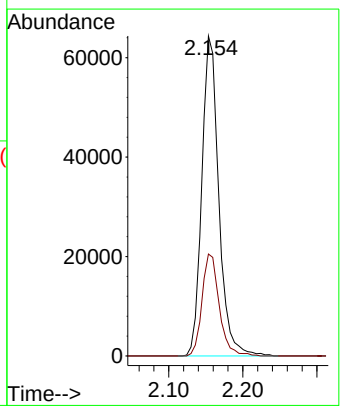
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

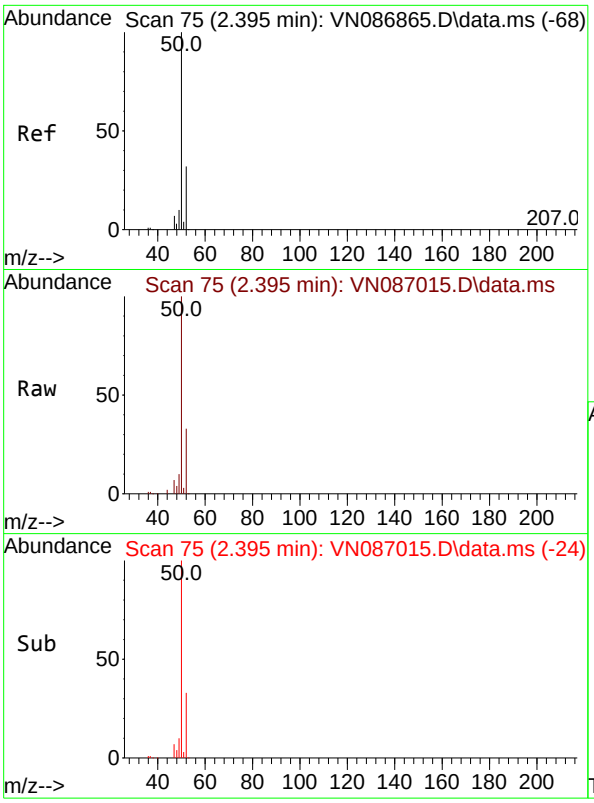


#2
Dichlorodifluoromethane
Concen: 58.068 ug/l
RT: 2.154 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 85 Resp: 102513

Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.2	48.6





#3
Chloromethane
Concen: 50.637 ug/l
RT: 2.395 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

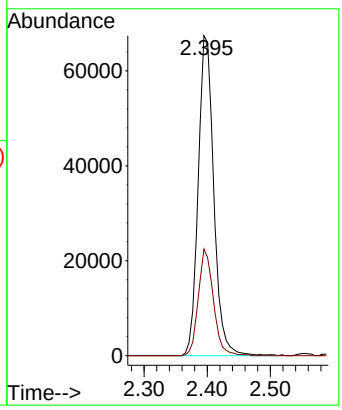
Tgt Ion: 50 Resp: 11543

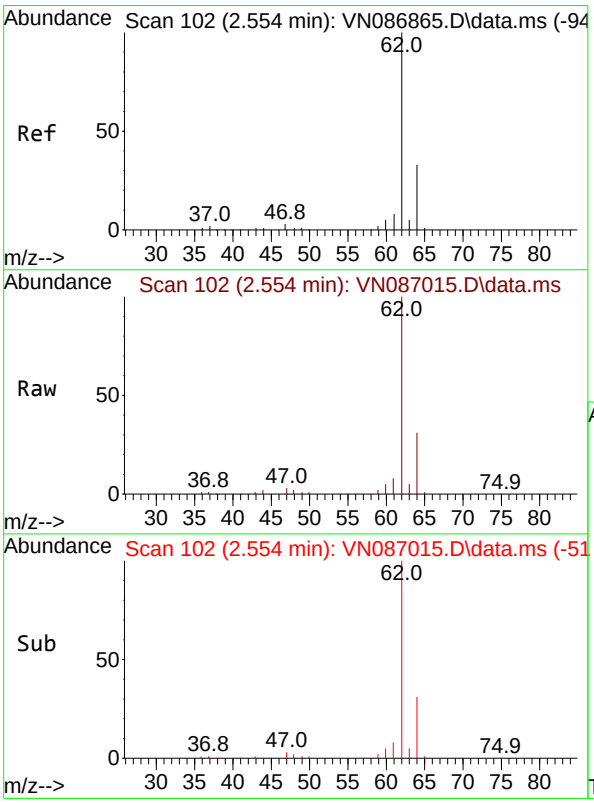
Ion	Ratio	Lower	Upper
50	100		
52	33.3	25.7	38.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

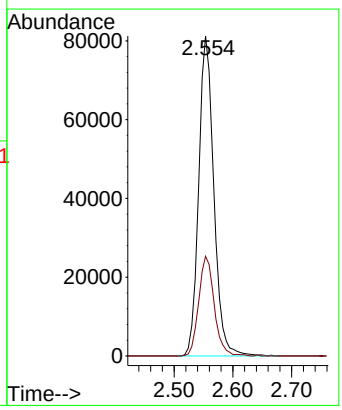


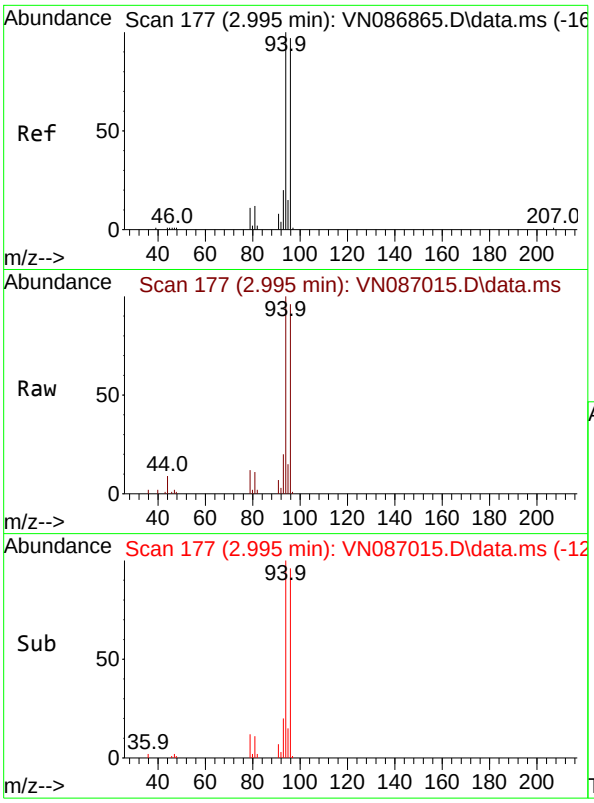


#4
Vinyl Chloride
Concen: 61.785 ug/l
RT: 2.554 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 62 Resp: 145294

Ion	Ratio	Lower	Upper
62	100		
64	31.2	26.0	39.0





#5
Bromomethane
Concen: 29.510 ug/l
RT: 2.995 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

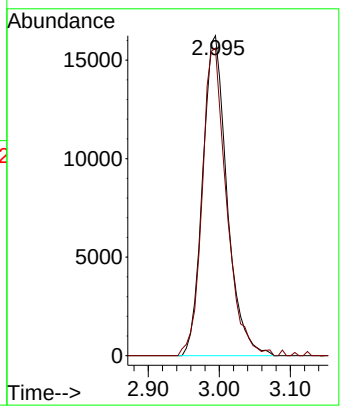
Tgt Ion: 94 Resp: 3883

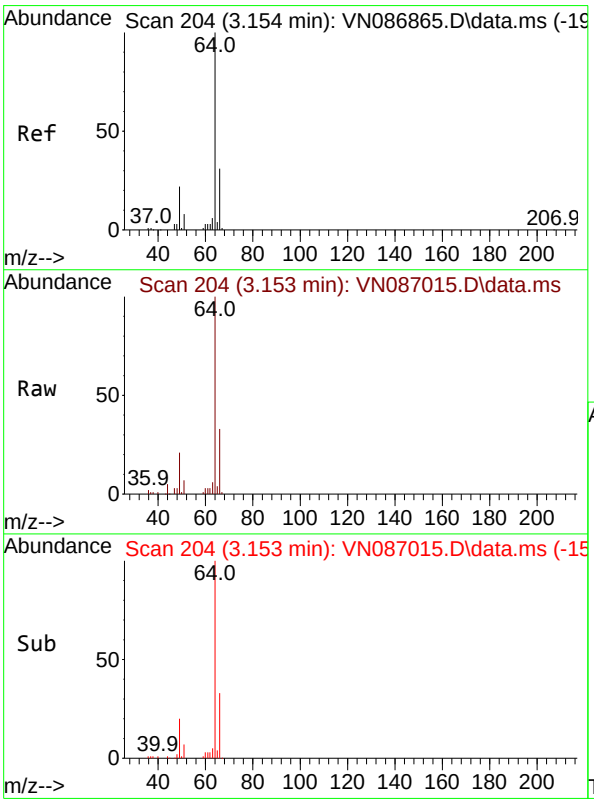
Ion	Ratio	Lower	Upper
94	100		
96	96.1	77.9	116.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

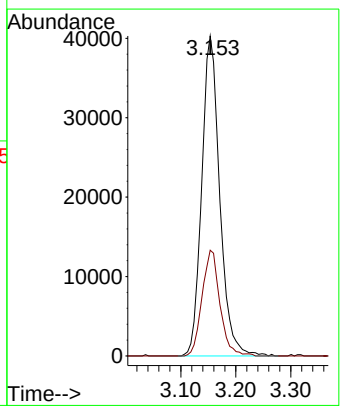


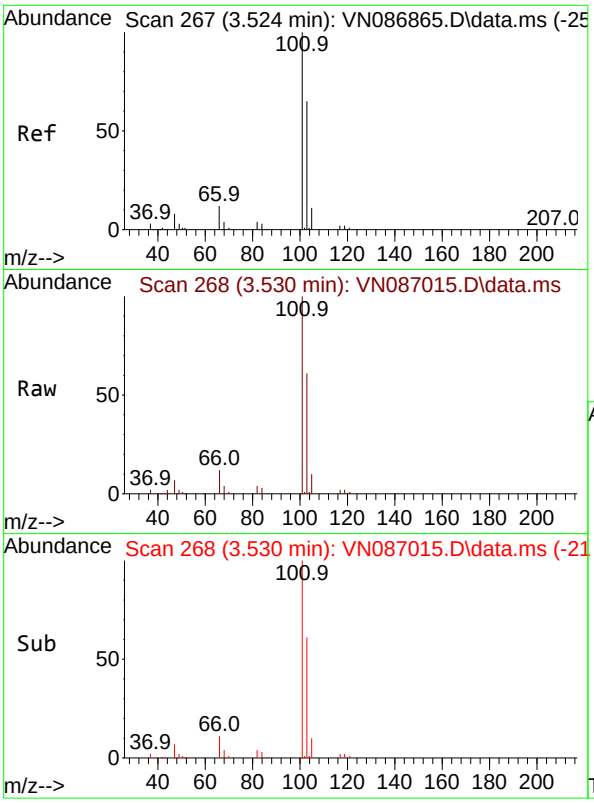


#6
Chloroethane
Concen: 60.424 ug/l
RT: 3.153 min Scan# 204
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 64 Resp: 91785

Ion	Ratio	Lower	Upper
64	100		
66	33.0	24.6	36.8





#7
Trichlorofluoromethane
Concen: 60.050 ug/l
RT: 3.530 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

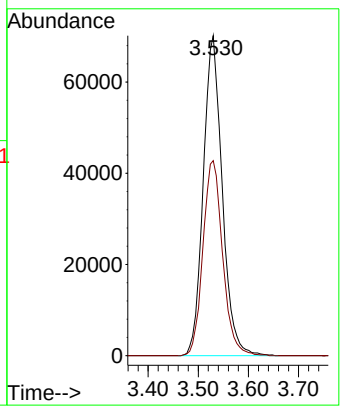
Tgt Ion:101 Resp: 18450

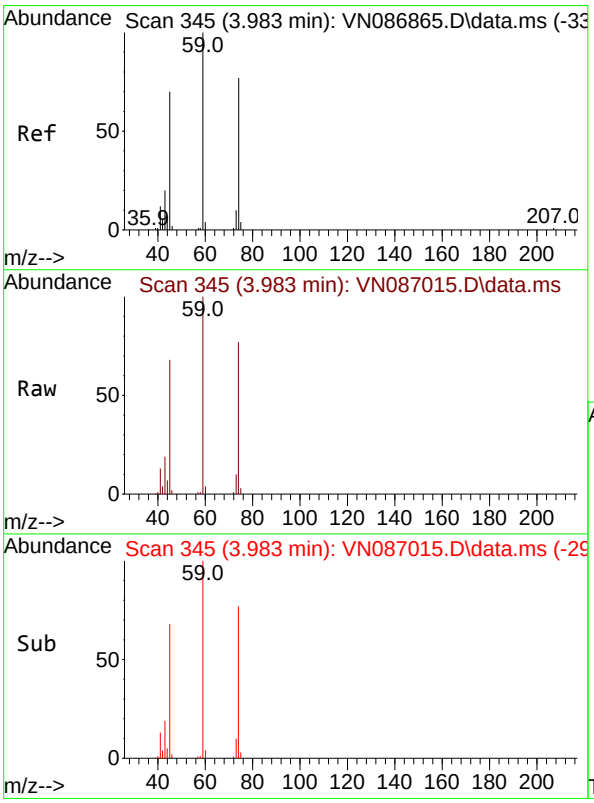
Ion	Ratio	Lower	Upper
101	100		
103	61.0	52.2	78.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

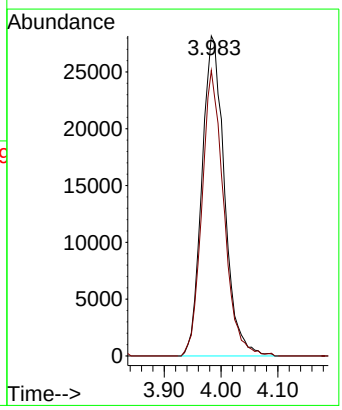


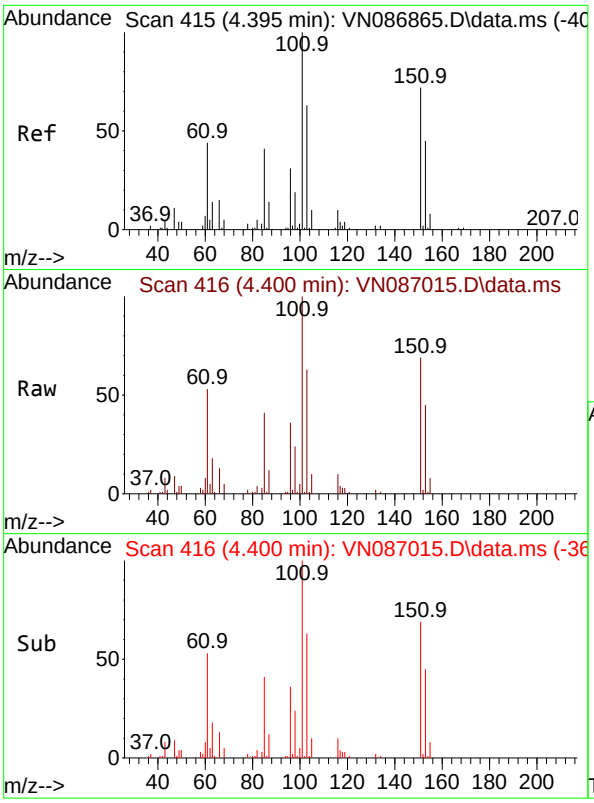


#8
Diethyl Ether
Concen: 57.964 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 74 Resp: 77594

Ion	Ratio	Lower	Upper
74	100		
45	86.4	45.5	136.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 56.615 ug/l
RT: 4.400 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

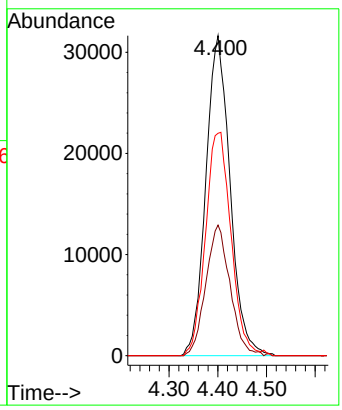
Tgt Ion:101 Resp: 10928

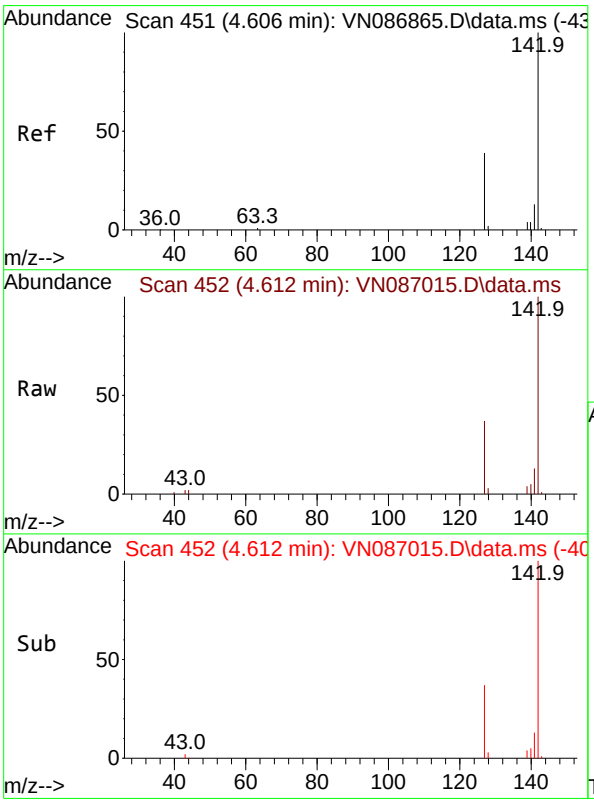
Ion	Ratio	Lower	Upper
101	100		
85	40.8	33.8	50.8
151	73.8	58.7	88.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

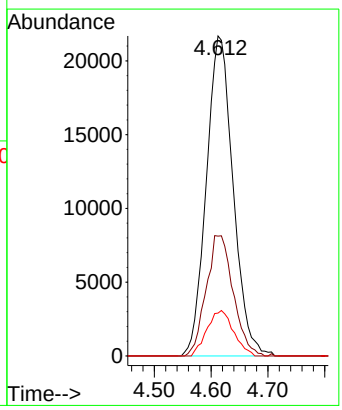


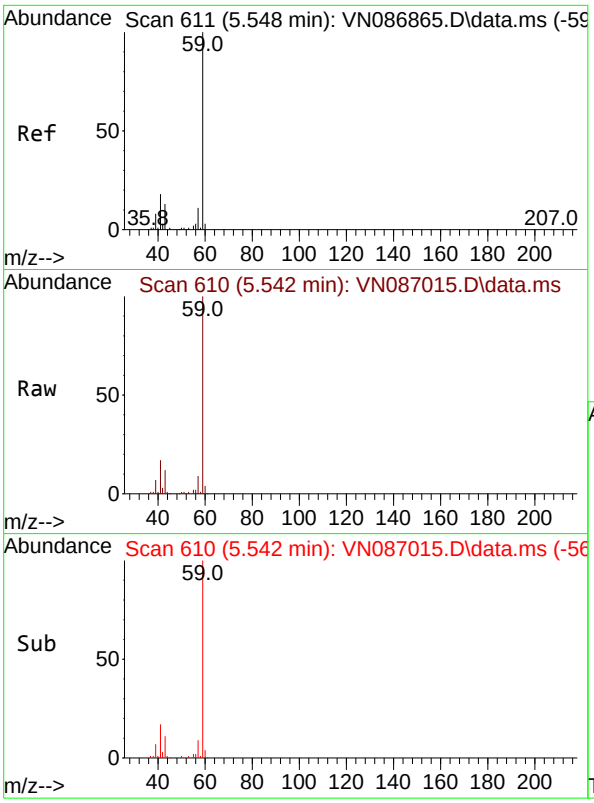


#10
Methyl Iodide
Concen: 28.340 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:142 Resp: 70915

Ion	Ratio	Lower	Upper
142	100		
127	37.4	30.9	46.3
141	13.4	10.4	15.6





#11
Tert butyl alcohol
Concen: 261.110 ug/l
RT: 5.542 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

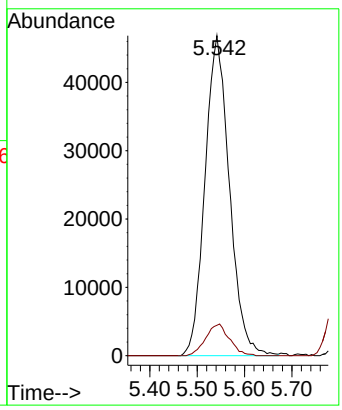
Tgt Ion: 59 Resp: 16795

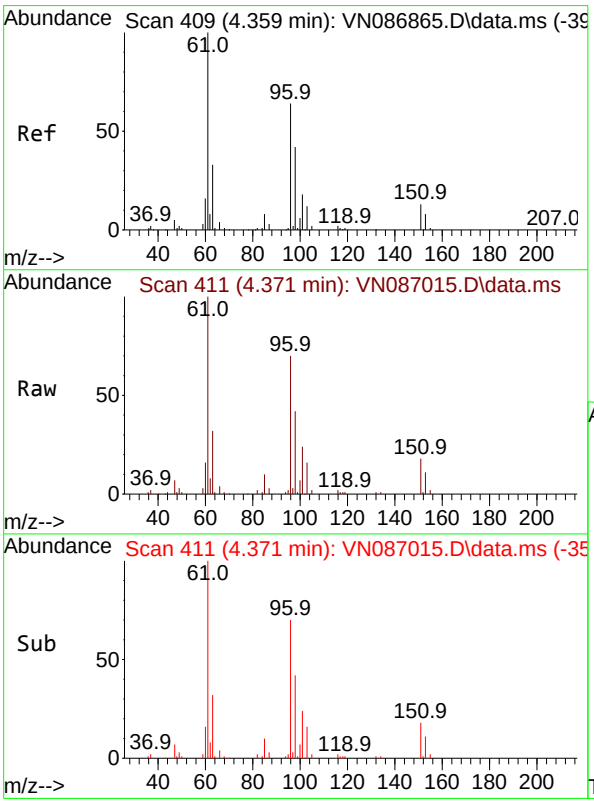
Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.1	12.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

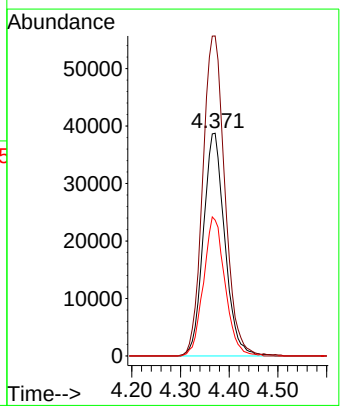


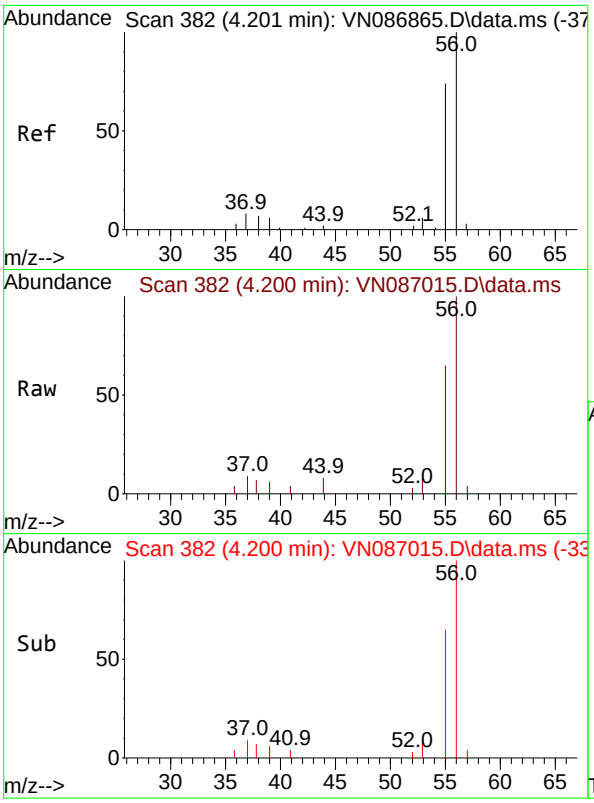


#12
1,1-Dichloroethene
Concen: 60.004 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 96 Resp: 118251

Ion	Ratio	Lower	Upper
96	100		
61	143.7	125.8	188.6
98	61.0	52.5	78.7





#13
Acrolein
Concen: 93.443 ug/l
RT: 4.200 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

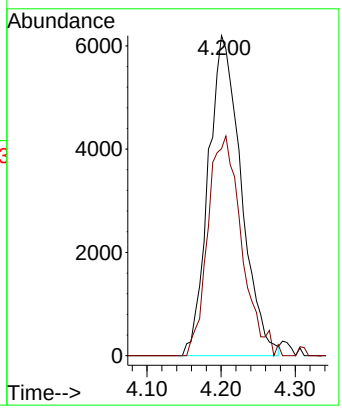
Tgt Ion: 56 Resp: 1902

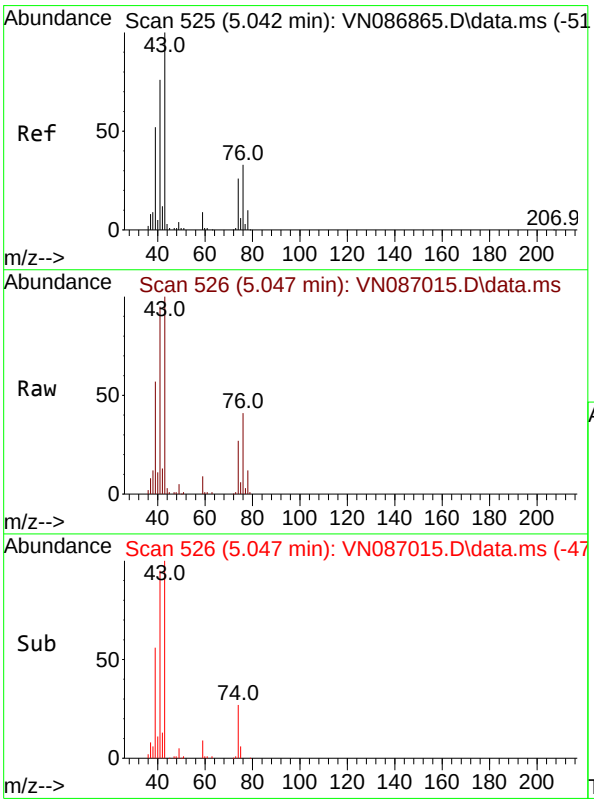
Ion	Ratio	Lower	Upper
56	100		
55	70.6	55.6	83.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

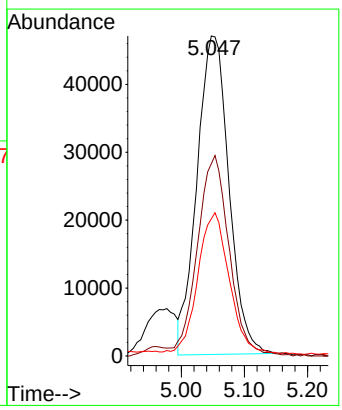


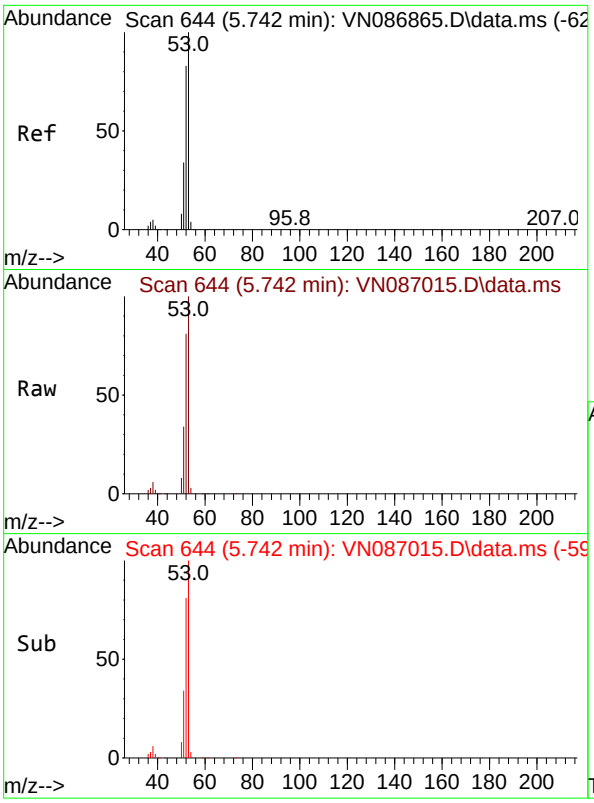


#14
Allyl chloride
Concen: 50.500 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 41 Resp: 165051

Ion	Ratio	Lower	Upper
41	100		
39	62.9	51.3	76.9
76	43.2	31.4	47.0





#15
Acrylonitrile
Concen: 269.483 ug/l
RT: 5.742 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

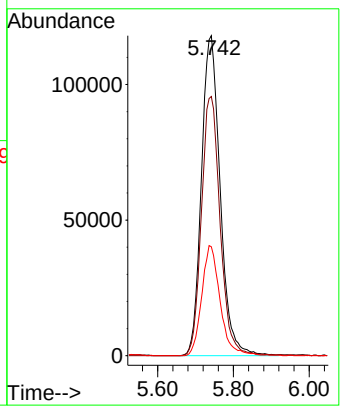
Tgt Ion: 53 Resp: 40516

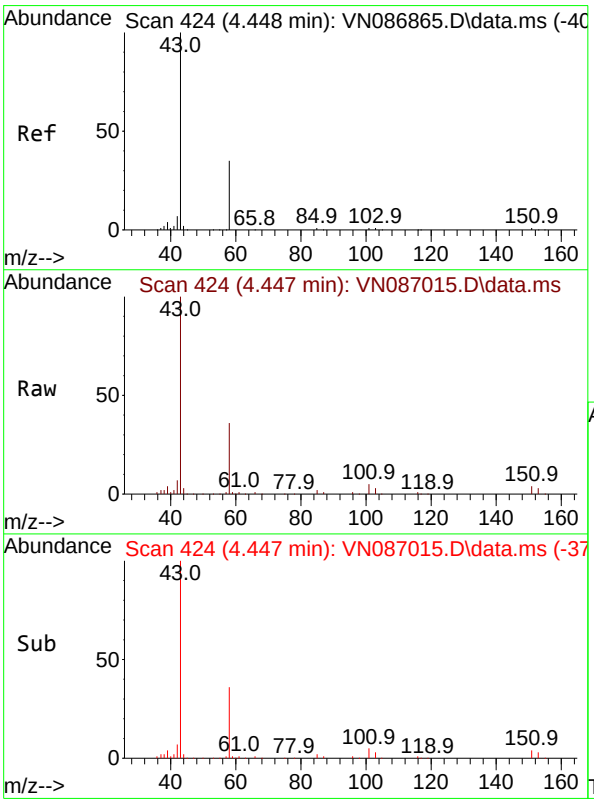
Ion	Ratio	Lower	Upper
53	100		
52	80.8	65.0	97.6
51	33.7	27.2	40.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

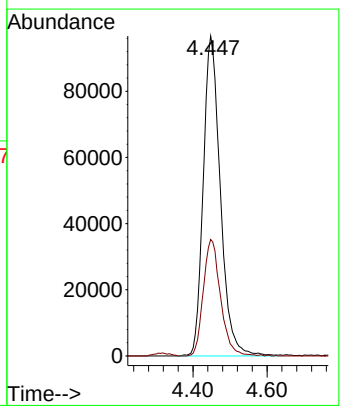


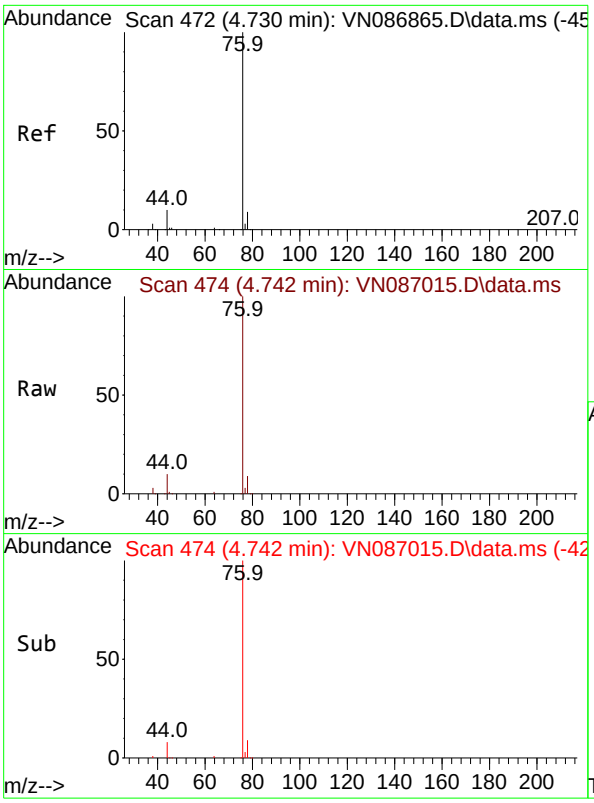


#16
Acetone
Concen: 246.315 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 43 Resp: 309658

Ion	Ratio	Lower	Upper
43	100		
58	36.4	28.0	42.0

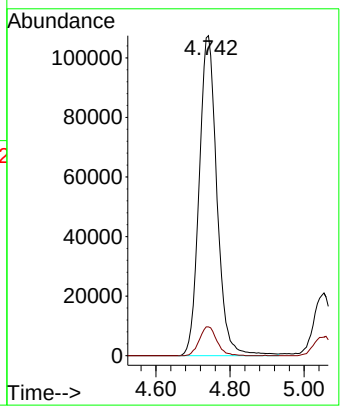




#17
Carbon Disulfide
Concen: 65.513 ug/l
RT: 4.742 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 76 Resp: 35712

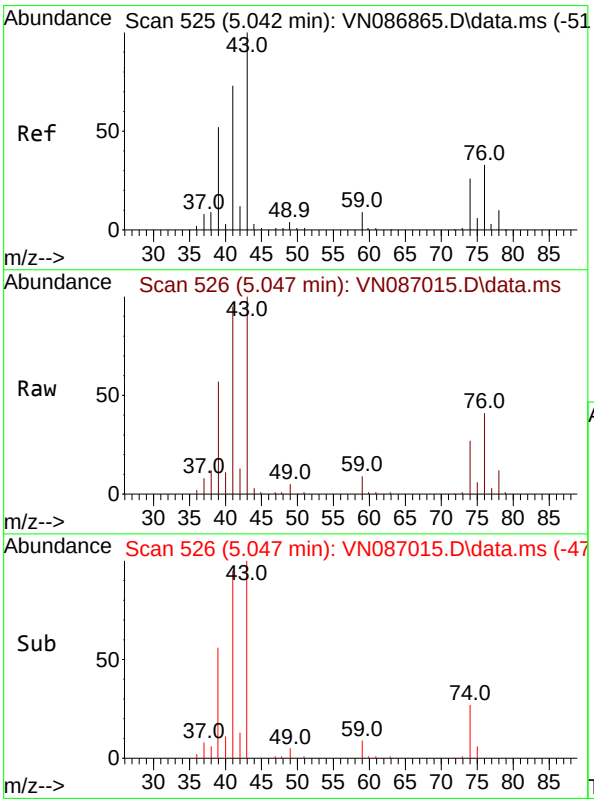
Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

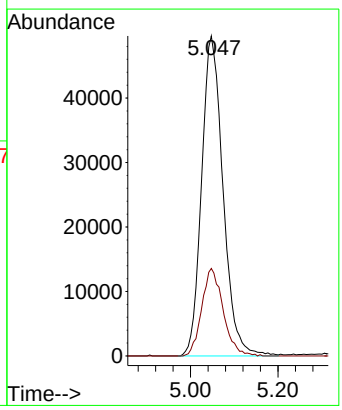
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

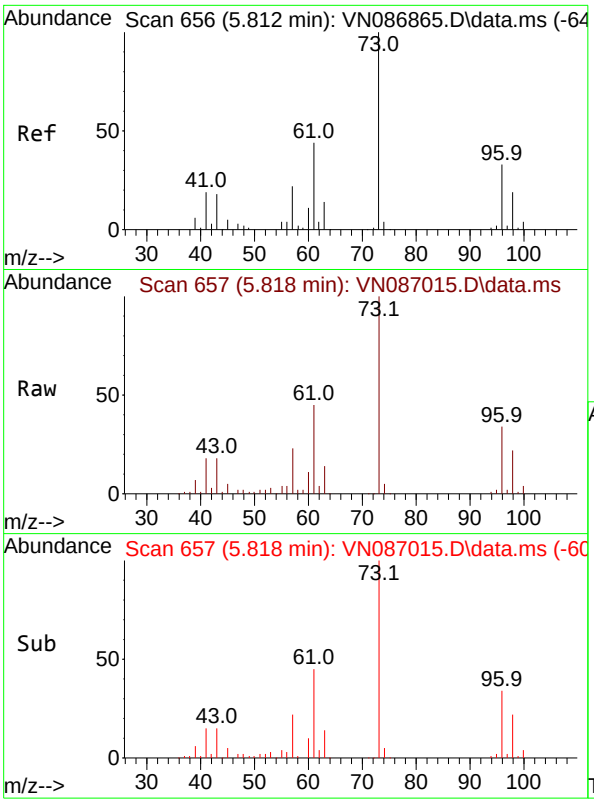


#18
Methyl Acetate
Concen: 46.208 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 43 Resp: 169286

Ion	Ratio	Lower	Upper
43	100		
74	27.3	20.7	31.1

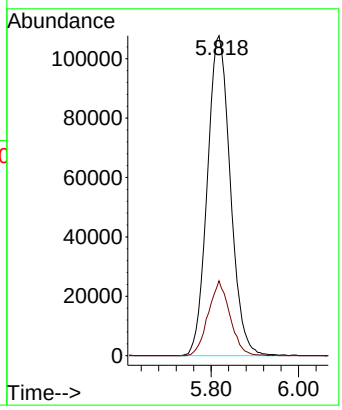




#19
Methyl tert-butyl Ether
Concen: 55.219 ug/l
RT: 5.818 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 73 Resp: 39401

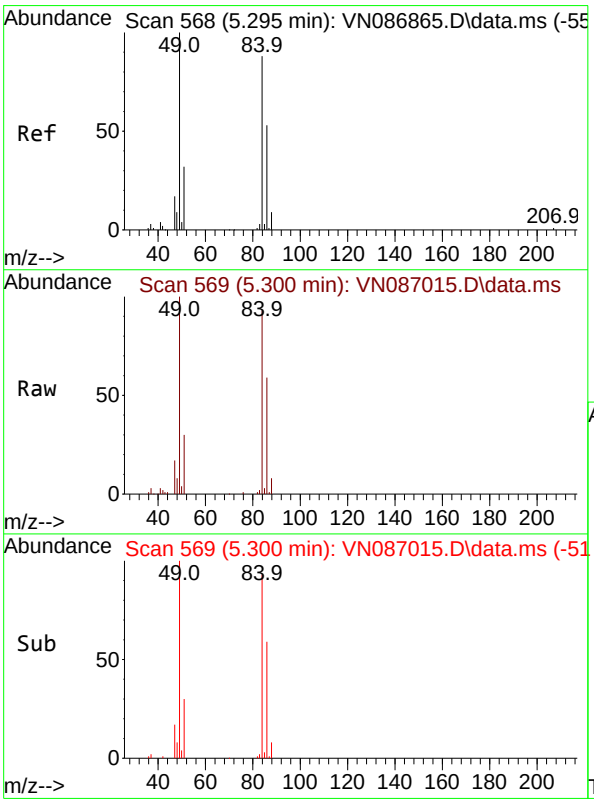
Ion	Ratio	Lower	Upper
73	100		
57	23.4	17.4	26.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

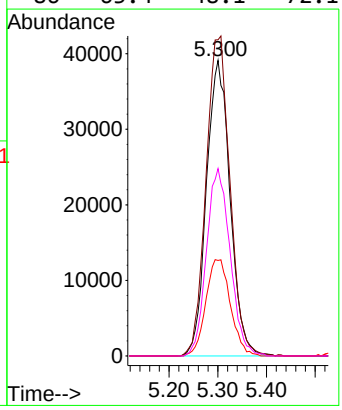
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

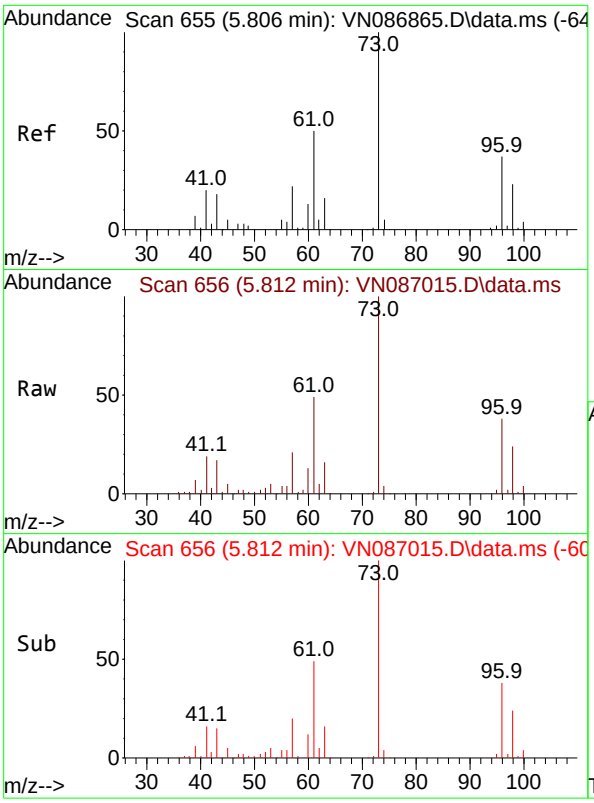


#20
Methylene Chloride
Concen: 55.971 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 84 Resp: 131735

Ion	Ratio	Lower	Upper
84	100		
49	107.0	90.5	135.7
51	32.3	28.5	42.7
86	63.4	48.1	72.1





#21
trans-1,2-Dichloroethene
Concen: 57.334 ug/l
RT: 5.812 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

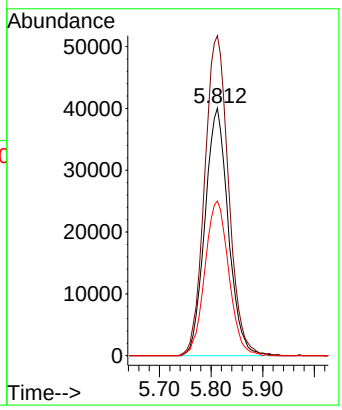
Tgt Ion: 96 Resp: 12571

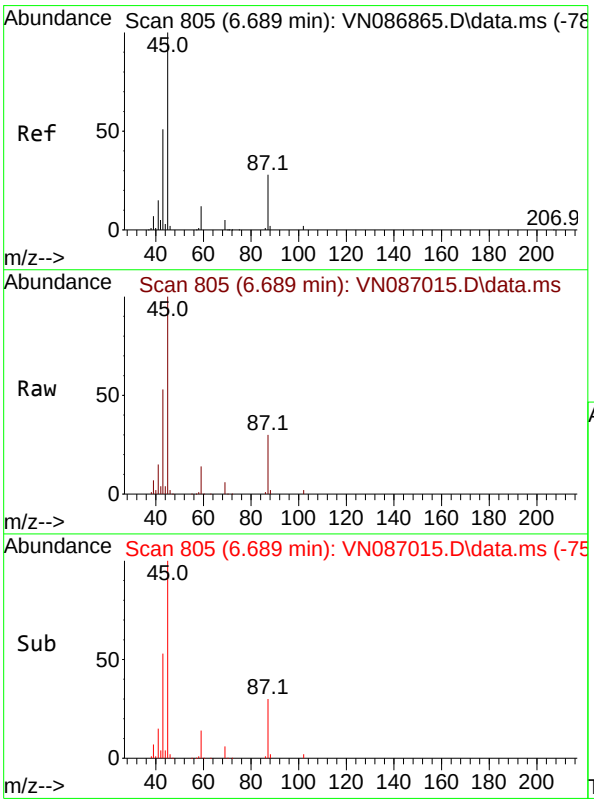
Ion	Ratio	Lower	Upper
96	100		
61	129.3	109.2	163.8
98	62.4	49.8	74.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

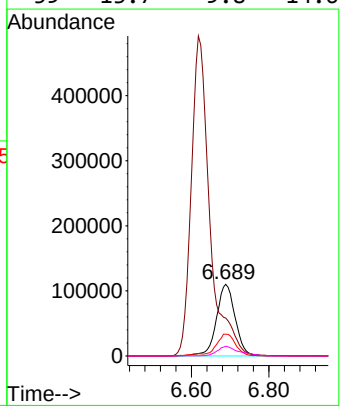


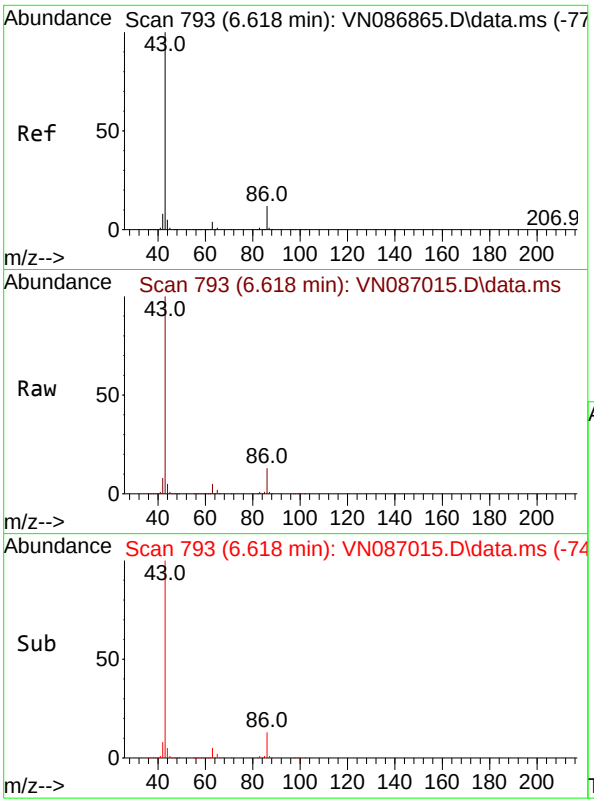


#22
Diisopropyl ether
Concen: 53.539 ug/l
RT: 6.689 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 45 Resp: 368851

Ion	Ratio	Lower	Upper
45	100		
43	52.3	41.9	62.9
87	30.3	22.4	33.6
59	13.7	9.8	14.6





#23
Vinyl Acetate
Concen: 278.900 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

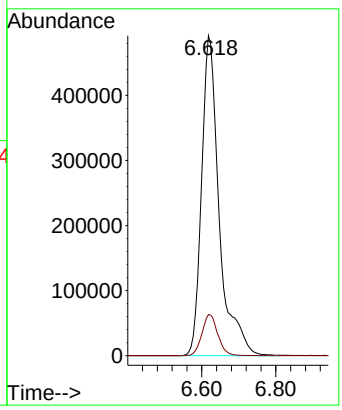
Tgt Ion: 43 Resp: 162340

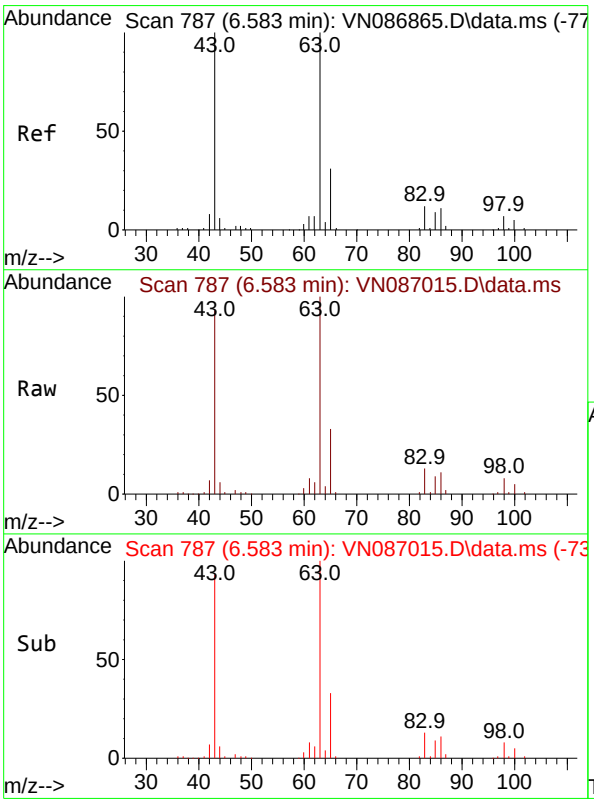
Ion	Ratio	Lower	Upper
43	100		
86	12.8	9.5	14.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

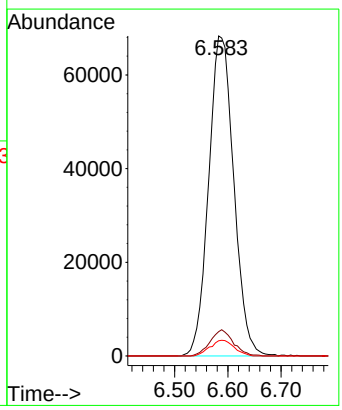


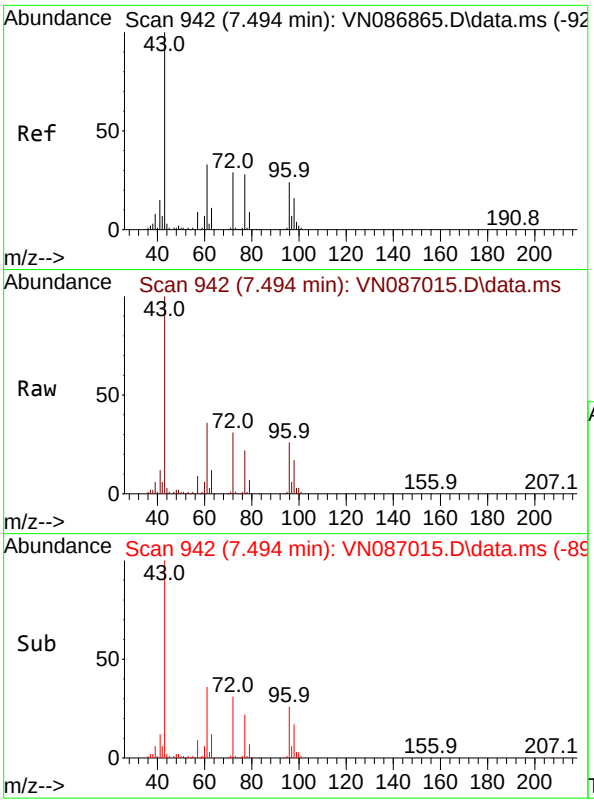


#24
1,1-Dichloroethane
Concen: 56.425 ug/l
RT: 6.583 min Scan# 787
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 63 Resp: 223707

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.6	10.8
100	4.8	2.6	7.8





#25
2-Butanone
Concen: 255.393 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

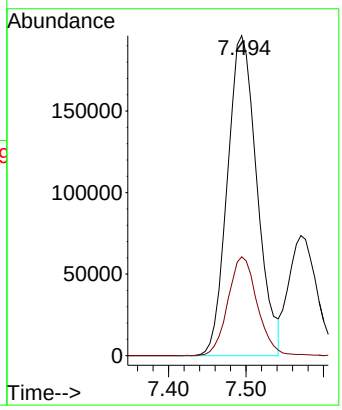
Tgt Ion: 43 Resp: 52189

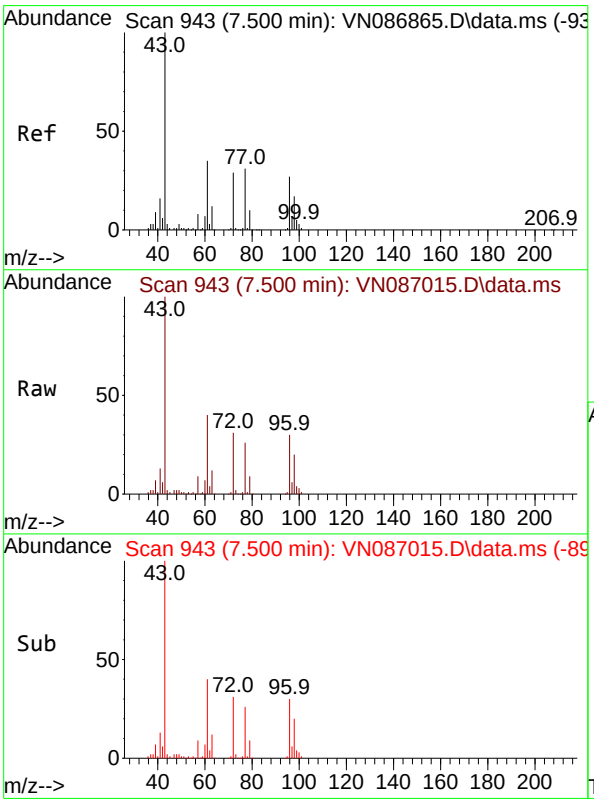
Ion	Ratio	Lower	Upper
43	100		
72	30.9	23.0	34.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

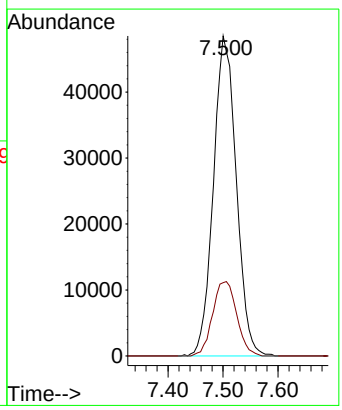


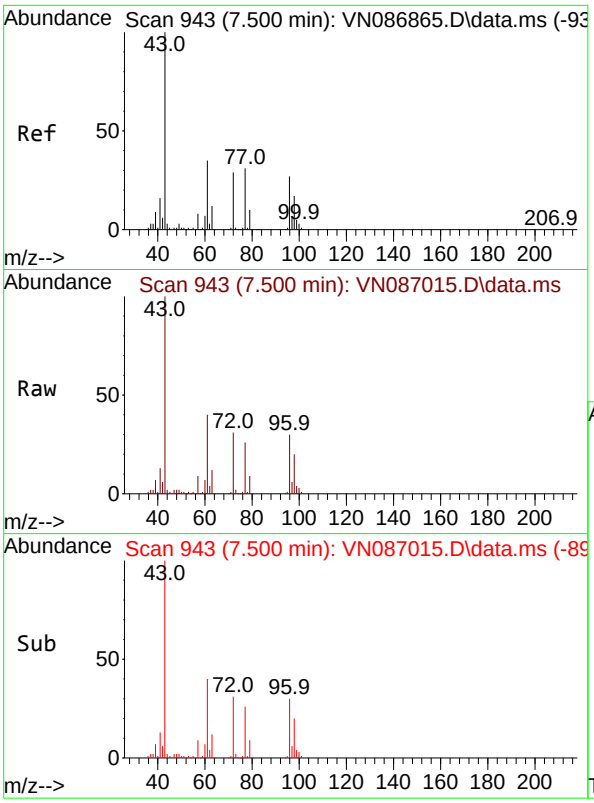


#26
2,2-Dichloropropane
Concen: 45.477 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 77 Resp: 140253

Ion	Ratio	Lower	Upper
77	100		
97	24.5	11.6	34.7

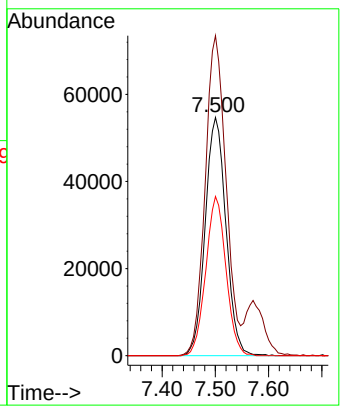




#27
cis-1,2-Dichloroethene
Concen: 56.434 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 96 Resp: 14798

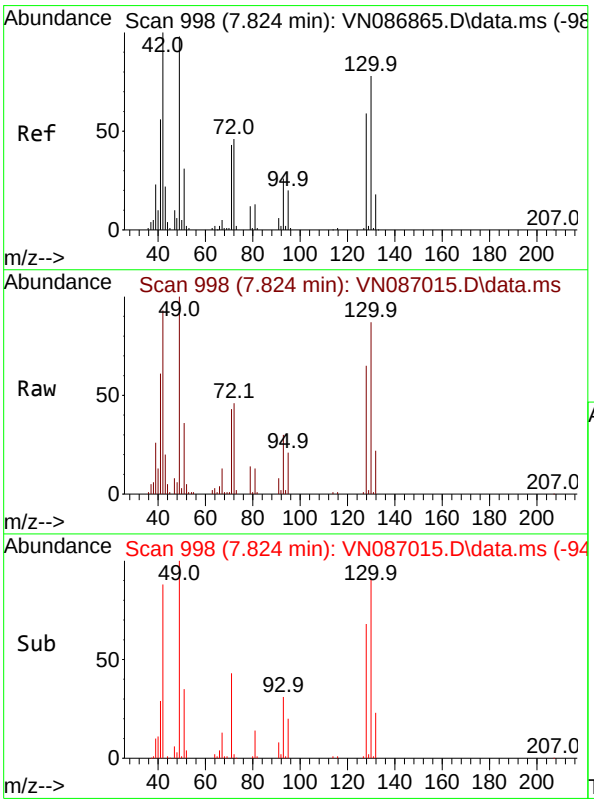
Ion	Ratio	Lower	Upper
96	100		
61	134.6	0.0	278.0
98	65.1	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

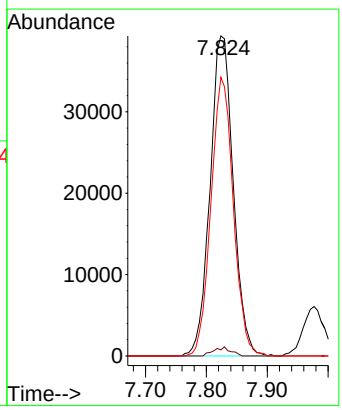
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

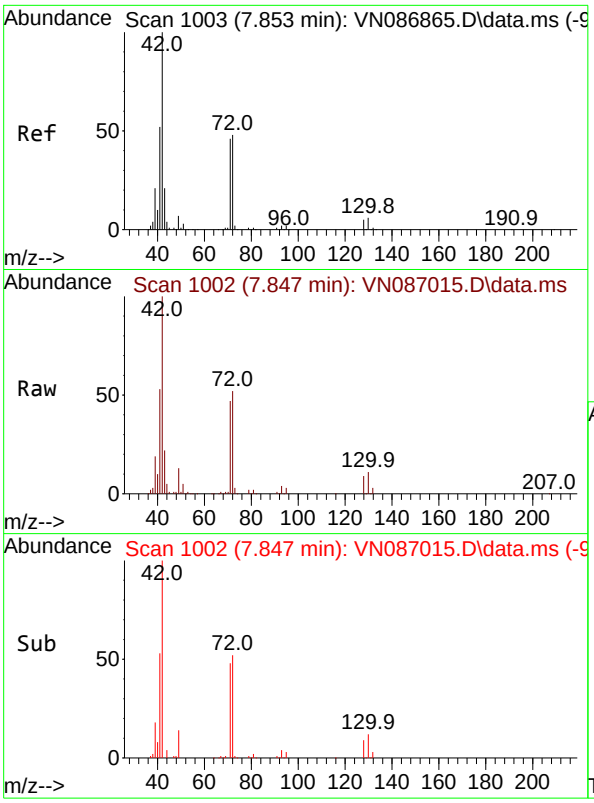


#28
Bromochloromethane
Concen: 53.447 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 49 Resp: 104187

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	83.9	62.2	93.2





#29
Tetrahydrofuran
Concen: 259.039 ug/l
RT: 7.847 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

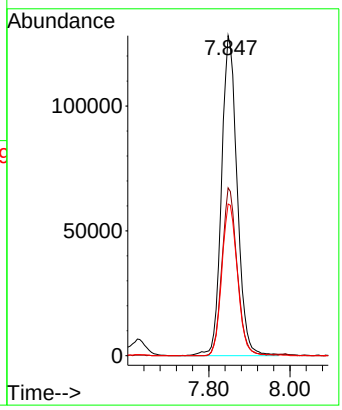
Tgt Ion: 42 Resp: 34482

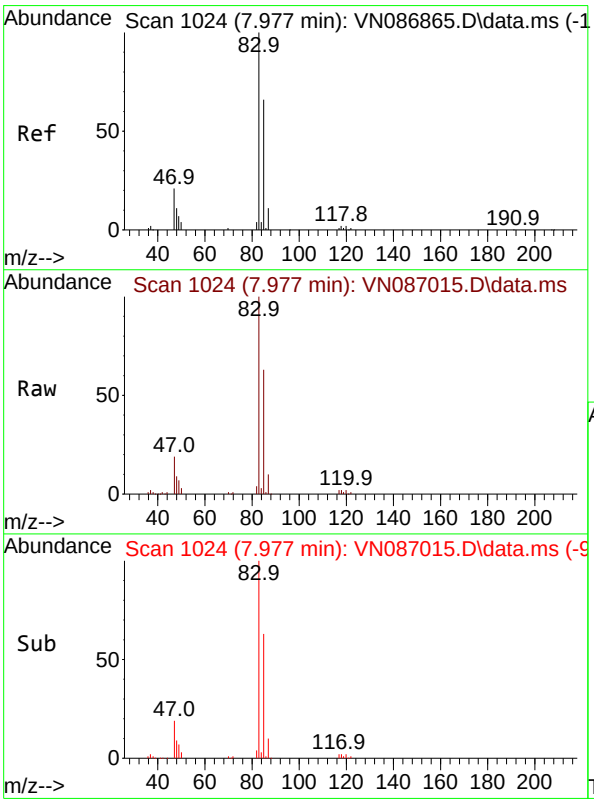
Ion	Ratio	Lower	Upper
42	100		
72	50.8	37.8	56.6
71	47.3	35.6	53.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

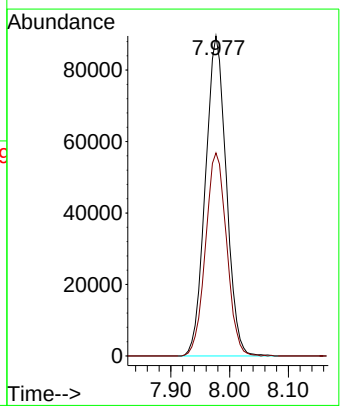


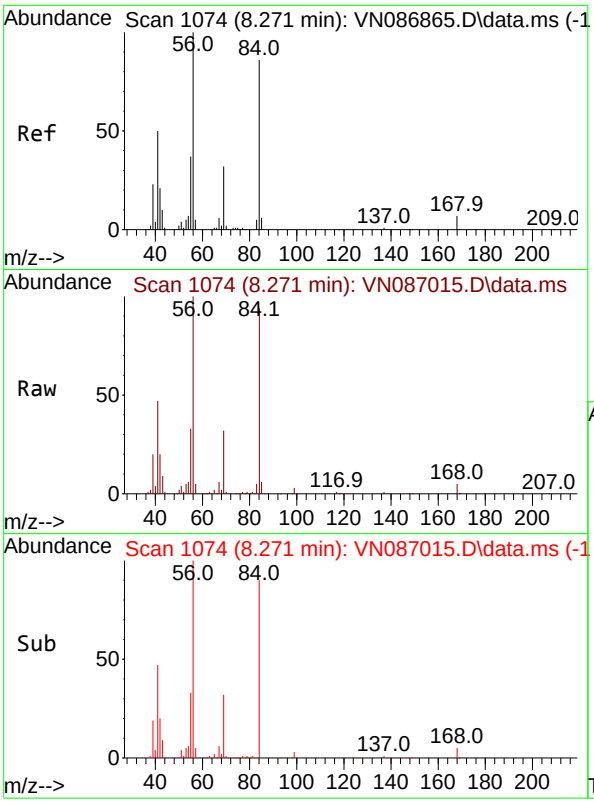


#30
Chloroform
Concen: 55.720 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 83 Resp: 220616

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.9	79.3

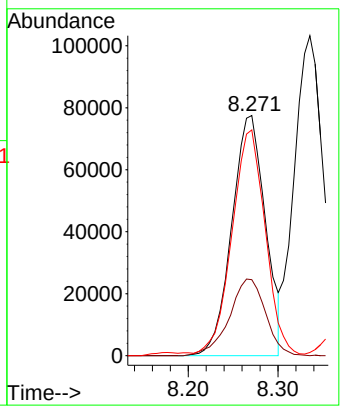




#31
Cyclohexane
Concen: 52.445 ug/l
RT: 8.271 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 56 Resp: 20164

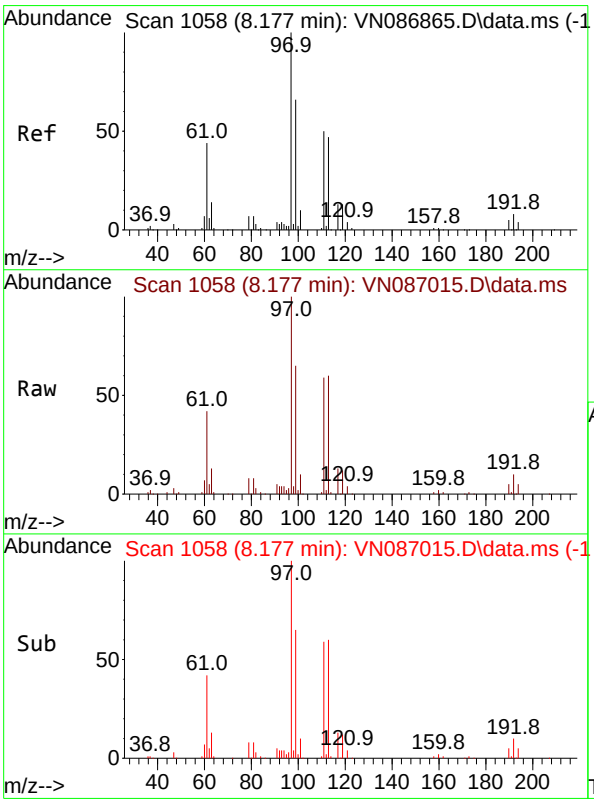
Ion	Ratio	Lower	Upper
56	100		
69	31.6	25.4	38.0
84	93.0	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

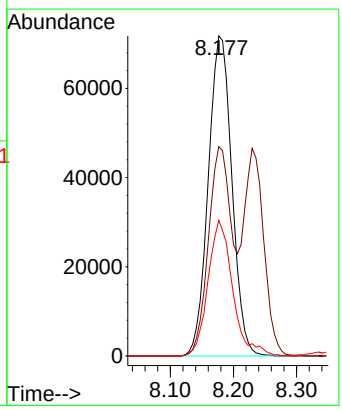
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

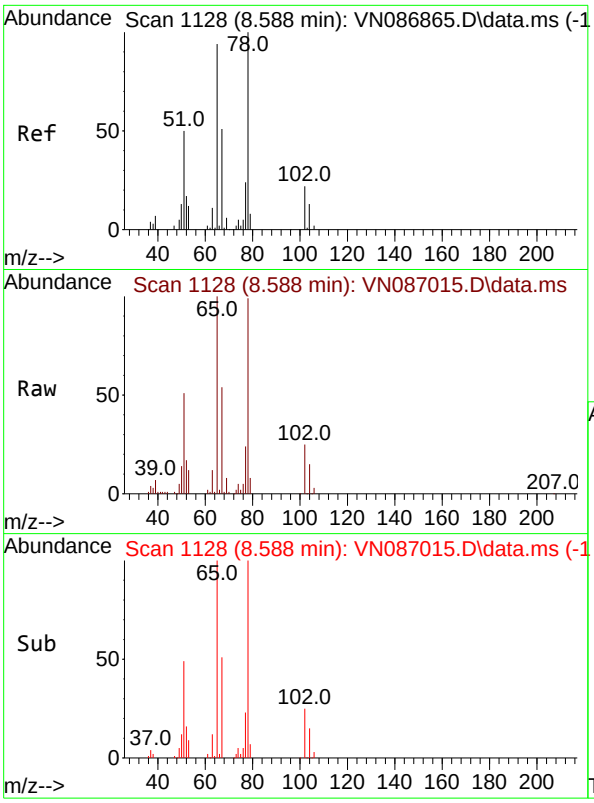


#32
1,1,1-Trichloroethane
Concen: 55.388 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 97 Resp: 186520

Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.0	78.0
61	44.2	35.9	53.9





#33
1,2-Dichloroethane-d4
Concen: 50.832 ug/l
RT: 8.588 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

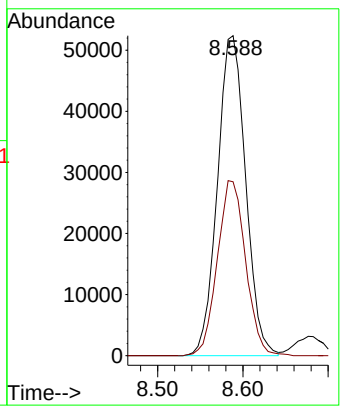
Tgt Ion: 65 Resp: 12050

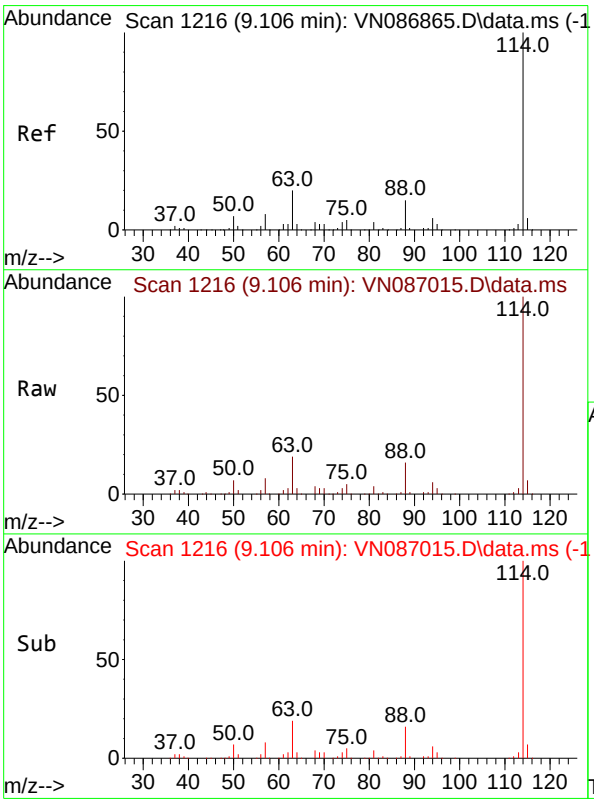
Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	105.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

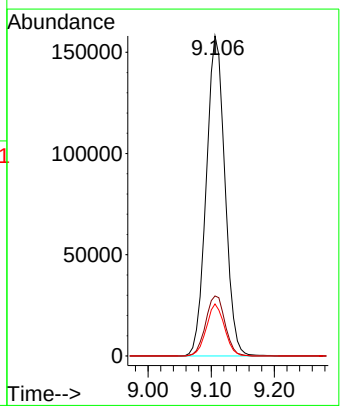


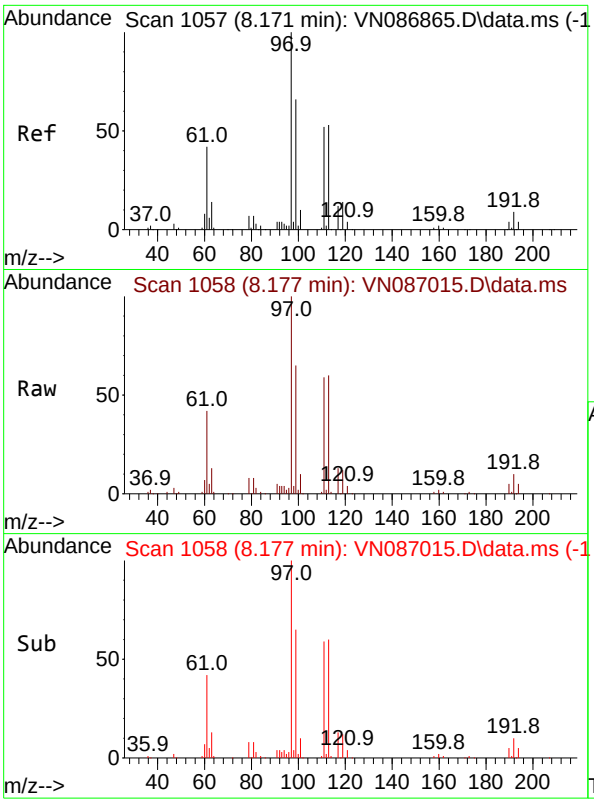


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:114 Resp: 323664

Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	39.6
88	16.2	0.0	30.2

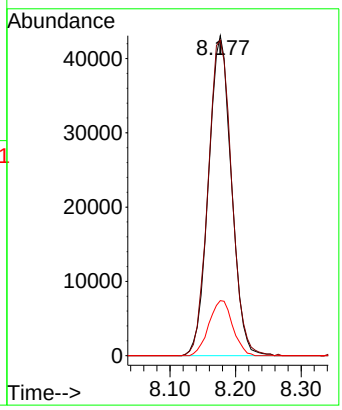




#35
Dibromofluoromethane
Concen: 54.504 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:113 Resp: 10454

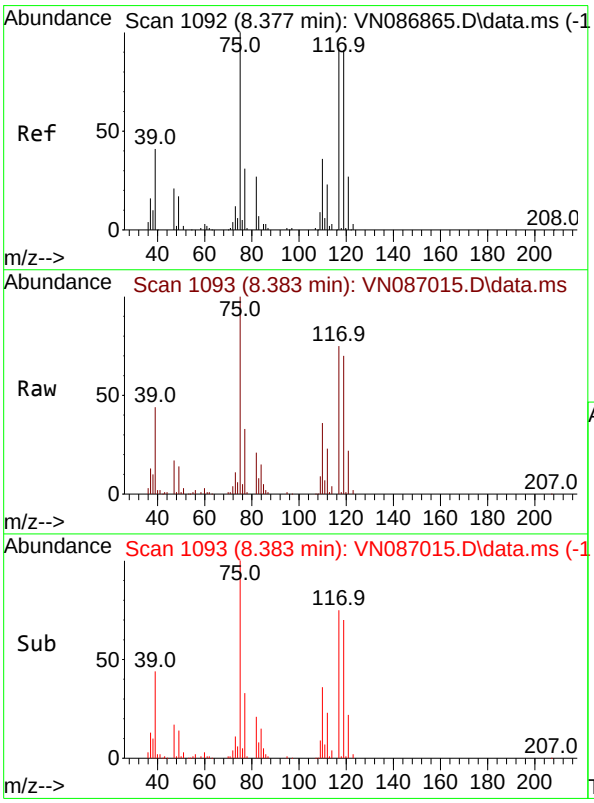
Ion	Ratio	Lower	Upper
113	100		
111	101.8	84.2	126.2
192	17.9	14.2	21.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

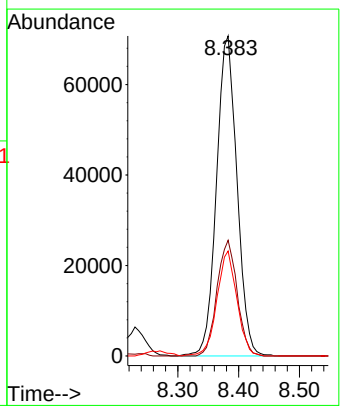
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

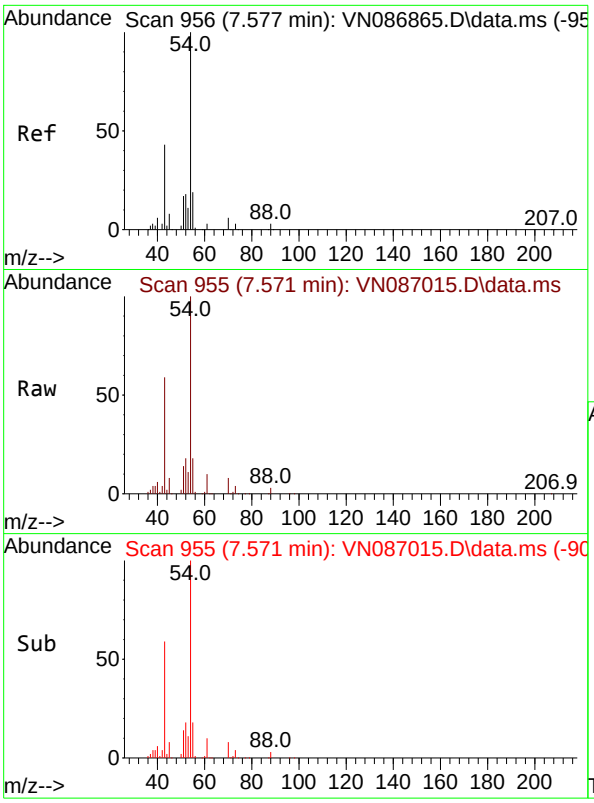


#36
1,1-Dichloropropene
Concen: 57.829 ug/l
RT: 8.383 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 75 Resp: 165286

Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.6	52.9
77	32.1	25.3	37.9





#37
Ethyl Acetate
Concen: 52.994 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

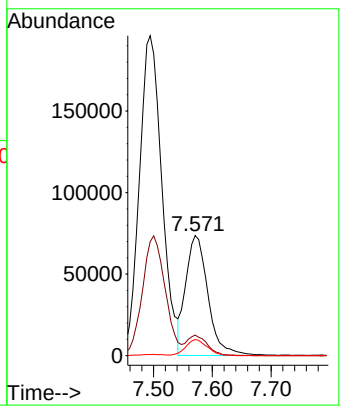
Tgt Ion: 43 Resp: 19281

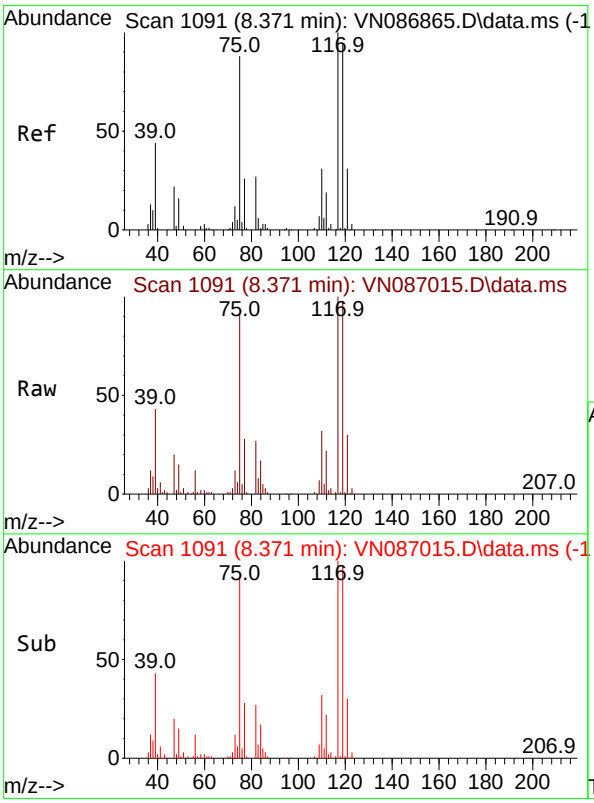
Ion	Ratio	Lower	Upper
43	100		
61	16.0	12.1	18.1
70	13.1	9.8	14.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

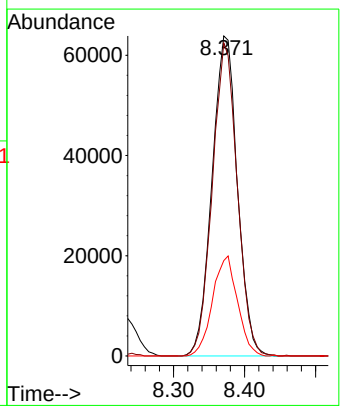


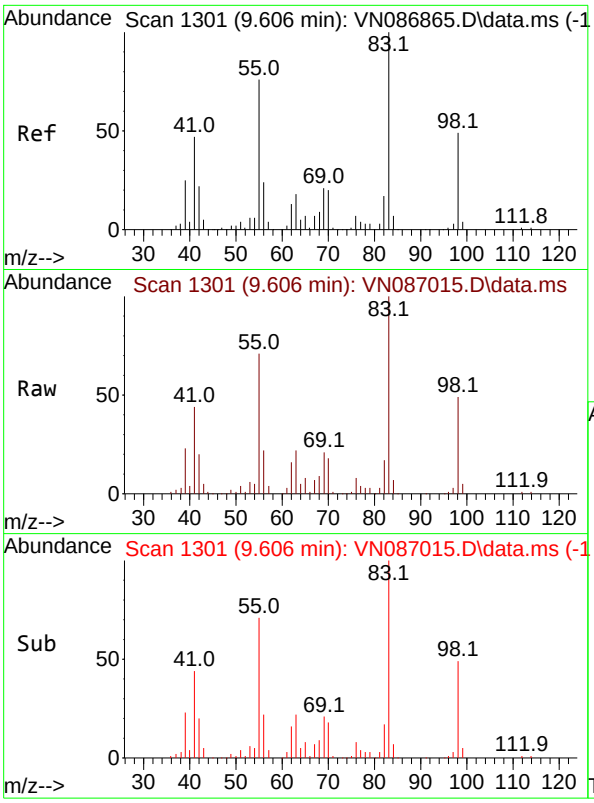


#38
Carbon Tetrachloride
Concen: 56.416 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:117 Resp: 158306

Ion	Ratio	Lower	Upper
117	100		
119	97.8	75.0	112.6
121	29.8	24.9	37.3

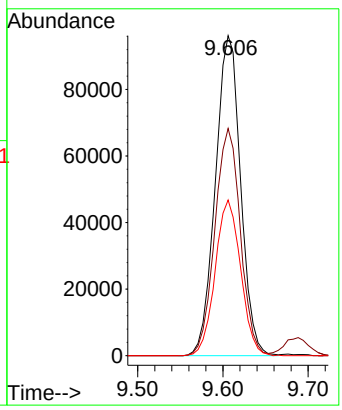




#39
Methylcyclohexane
Concen: 50.543 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 83 Resp: 19791

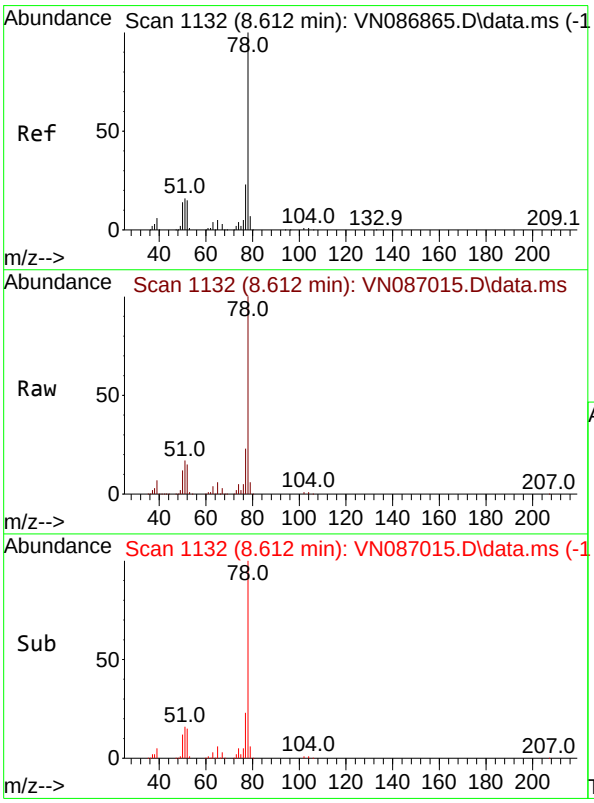
Ion	Ratio	Lower	Upper
83	100		
55	71.0	61.0	91.6
98	48.6	38.9	58.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

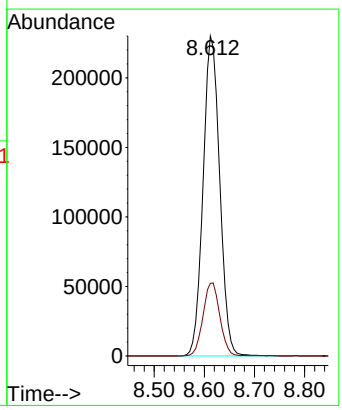
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

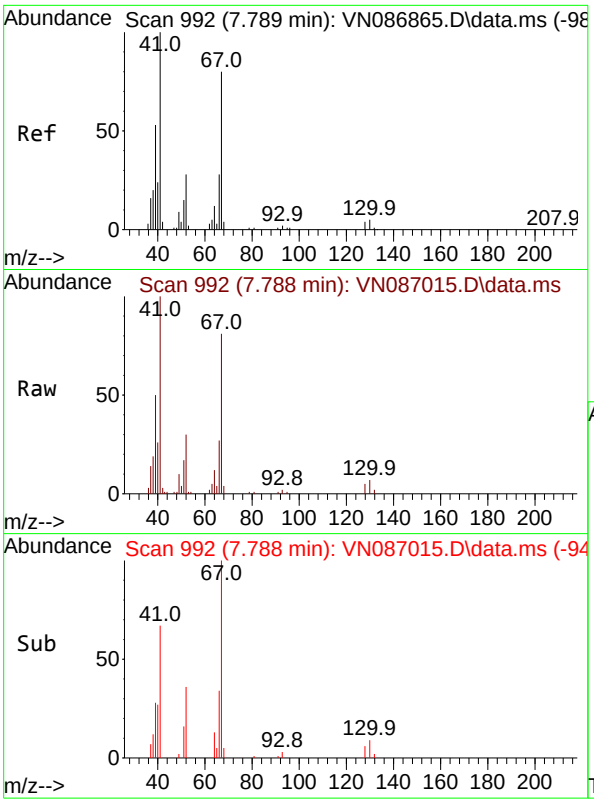


#40
Benzene
Concen: 56.727 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 78 Resp: 530188

Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.7	28.1

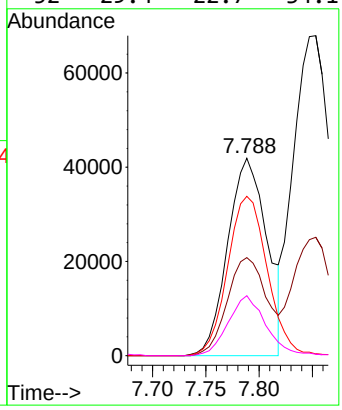




#41
Methacrylonitrile
Concen: 52.745 ug/l
RT: 7.788 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 41 Resp: 10777

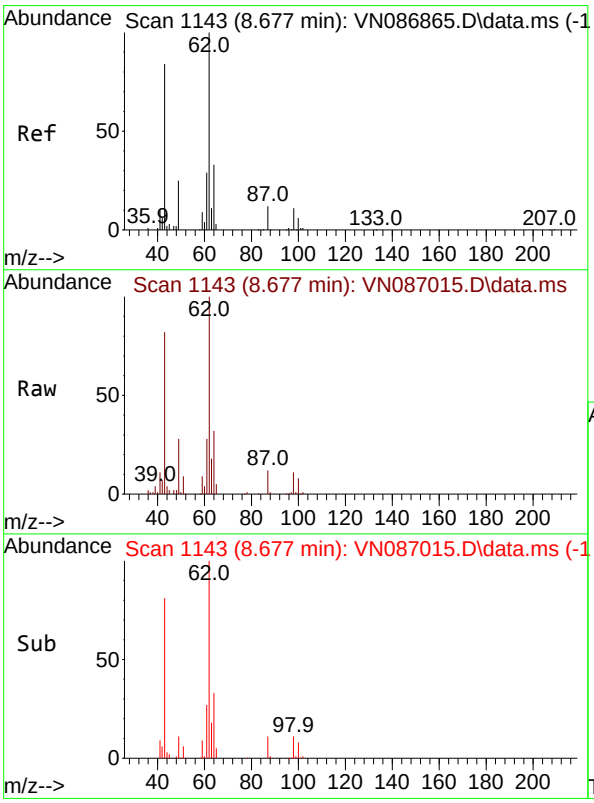
Ion	Ratio	Lower	Upper
41	100		
39	50.0	41.2	61.8
67	81.6	61.4	92.2
52	29.4	22.7	34.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

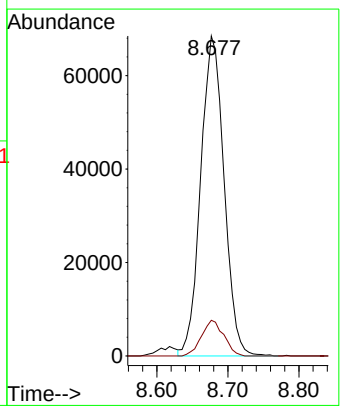
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

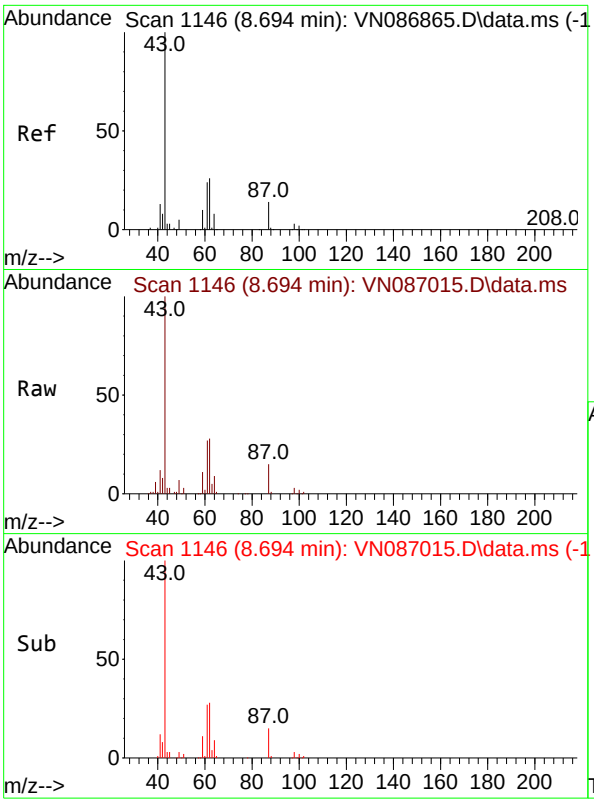


#42
1,2-Dichloroethane
Concen: 55.319 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 62 Resp: 156821

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.2





#43
Isopropyl Acetate
Concen: 51.413 ug/l
RT: 8.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

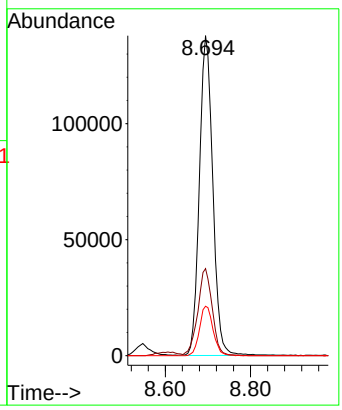
Tgt Ion: 43 Resp: 30023

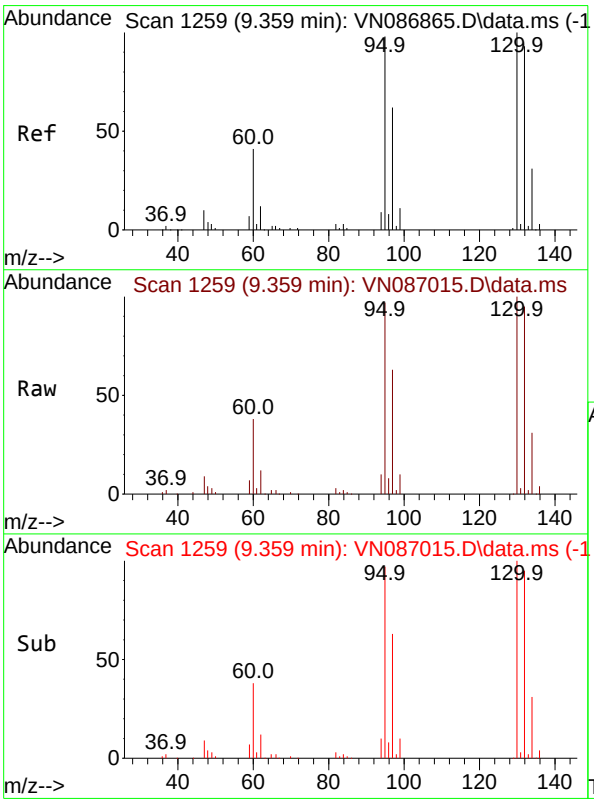
Ion	Ratio	Lower	Upper
43	100		
61	29.3	22.1	33.1
87	15.7	11.8	17.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

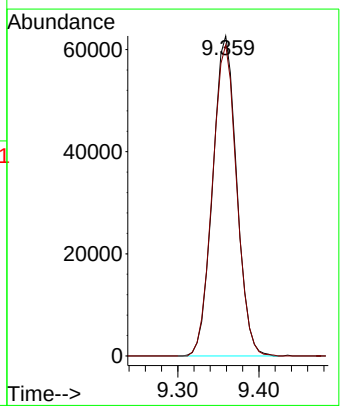


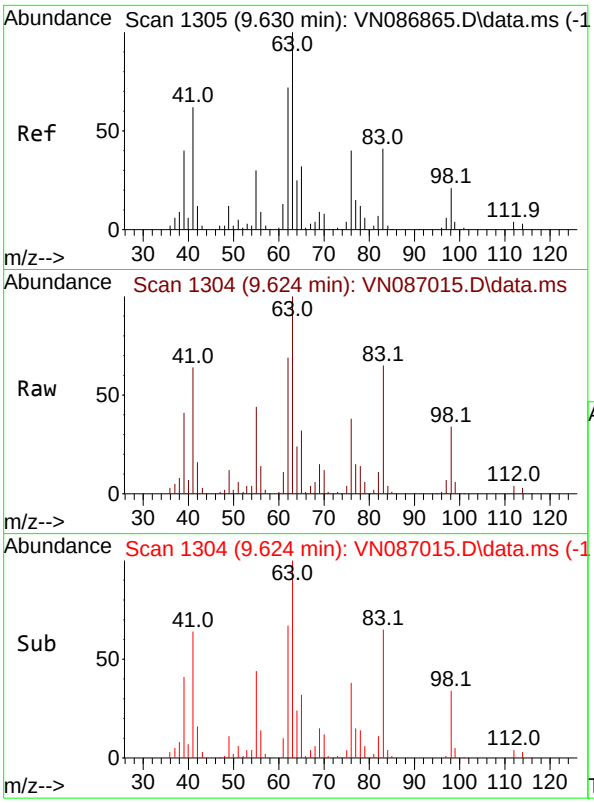


#44
Trichloroethene
Concen: 58.013 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:130 Resp: 128567

Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	196.2

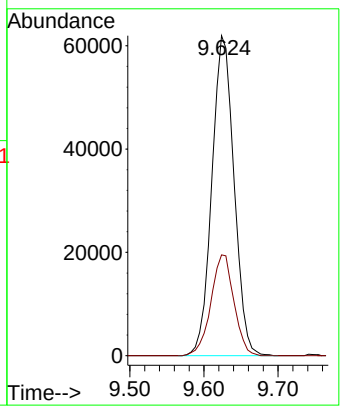




#45
1,2-Dichloropropane
Concen: 56.539 ug/l
RT: 9.624 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 63 Resp: 12855

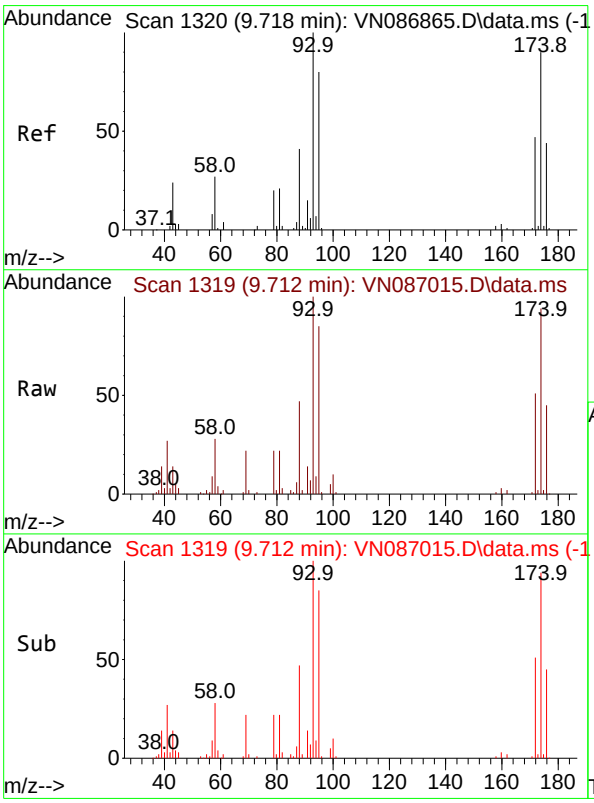
Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

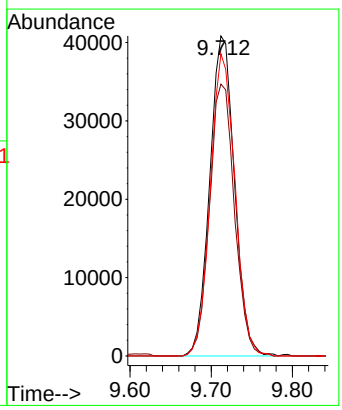
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

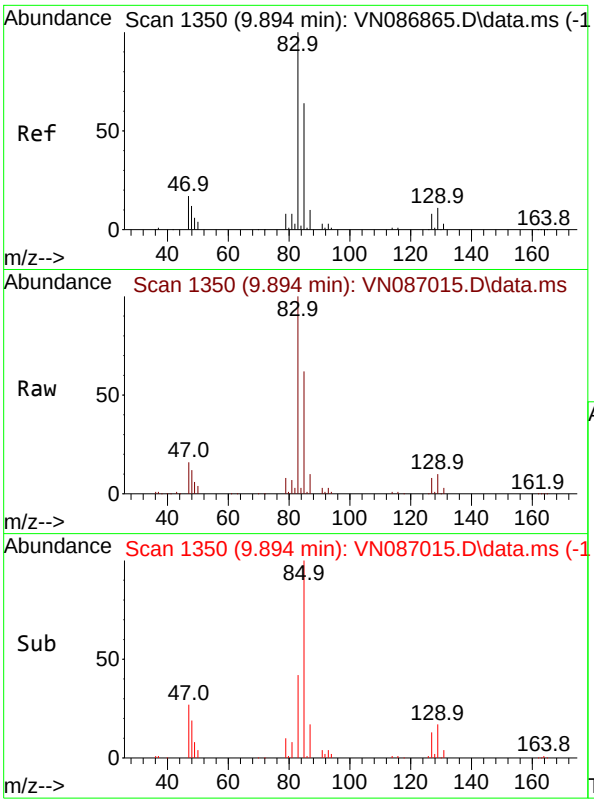


#46
Dibromomethane
Concen: 57.352 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 93 Resp: 86619

Ion	Ratio	Lower	Upper
93	100		
95	85.8	67.1	100.7
174	93.7	74.2	111.4

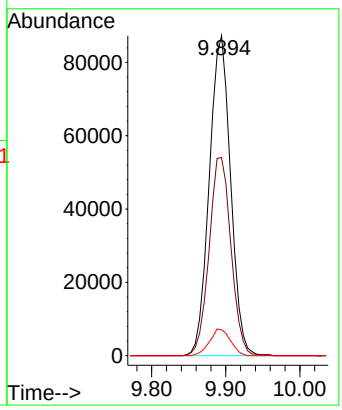




#47
Bromodichloromethane
Concen: 56.051 ug/l
RT: 9.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 83 Resp: 17417

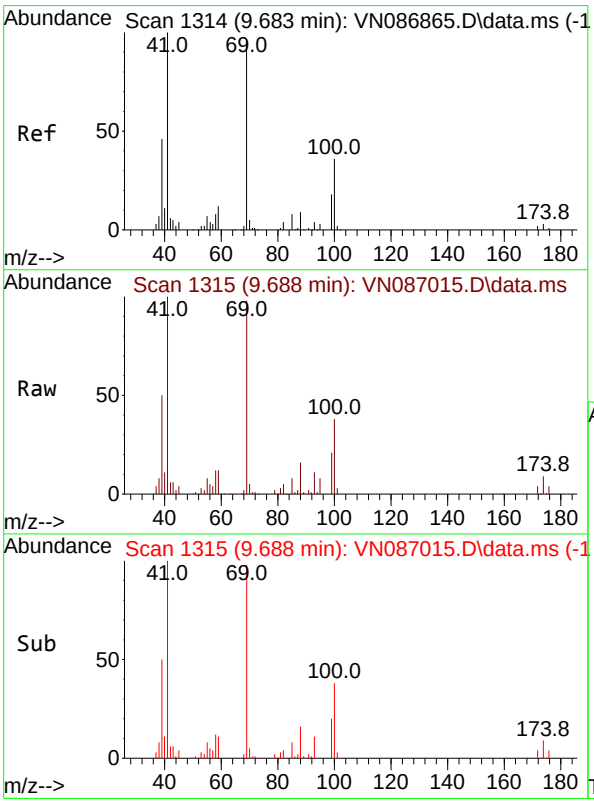
Ion	Ratio	Lower	Upper
83	100		
85	61.9	50.9	76.3
127	8.1	6.6	10.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

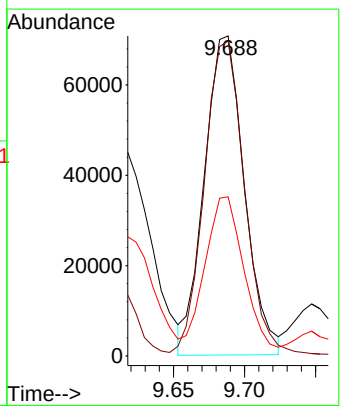
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

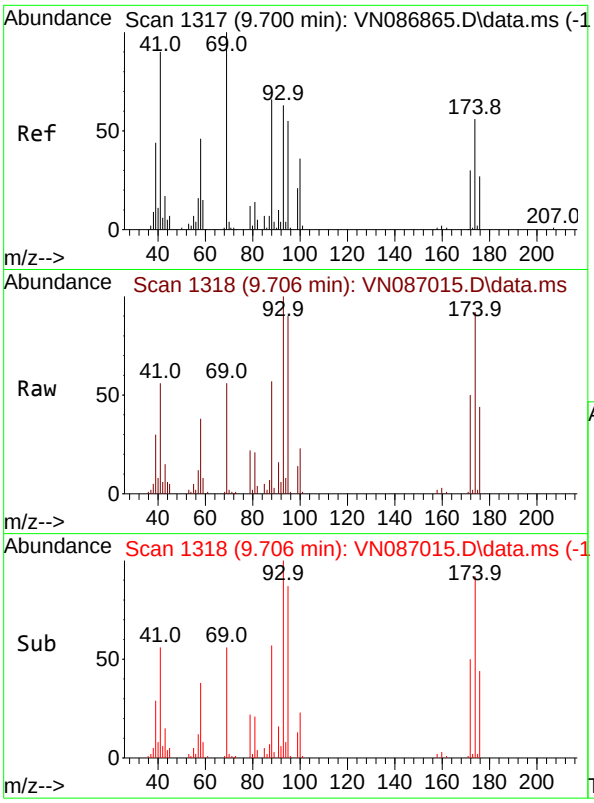


#48
Methyl methacrylate
Concen: 51.701 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 41 Resp: 138963

Ion	Ratio	Lower	Upper
41	100		
69	98.4	74.6	112.0
39	49.4	40.2	60.4

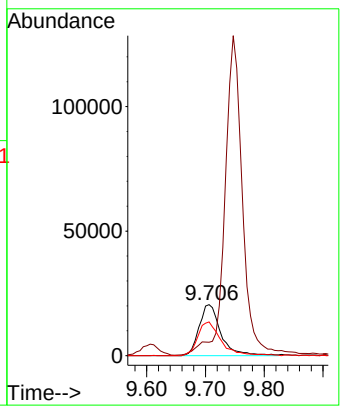




#49
1,4-Dioxane
Concen: 1080.544 ug/l
RT: 9.706 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 88 Resp: 5283

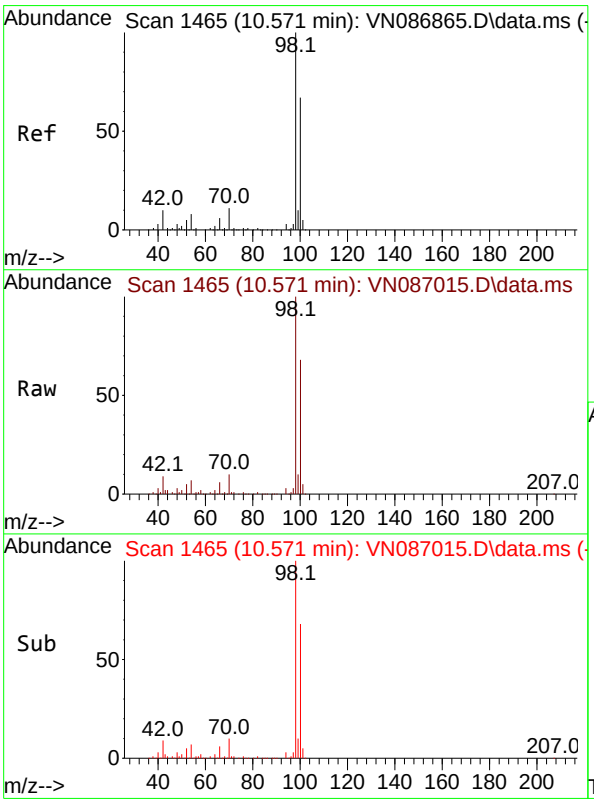
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	70.6	57.7	86.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

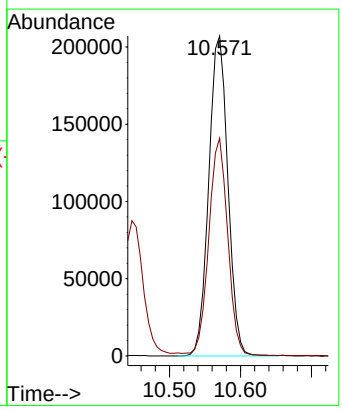
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

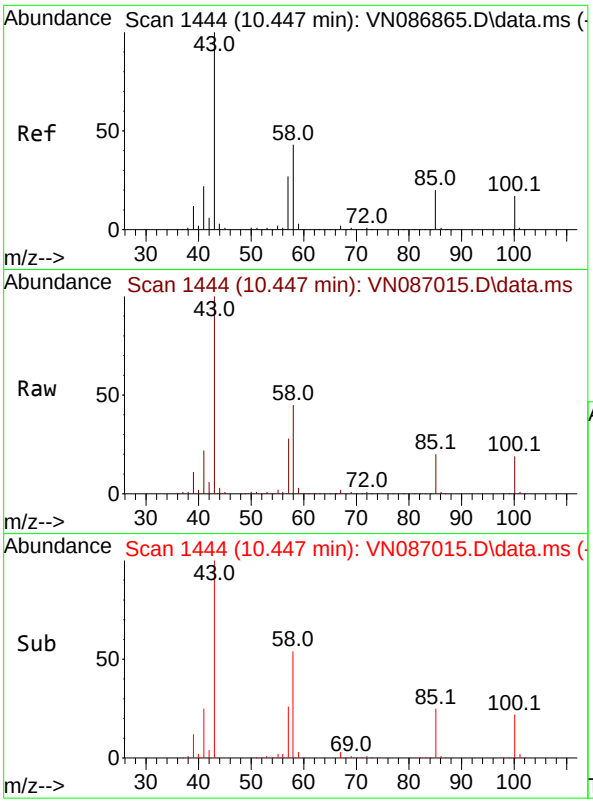


#50
Toluene-d8
Concen: 51.025 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 98 Resp: 387445

Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.4	80.0





#51
4-Methyl-2-Pentanone
Concen: 266.296 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

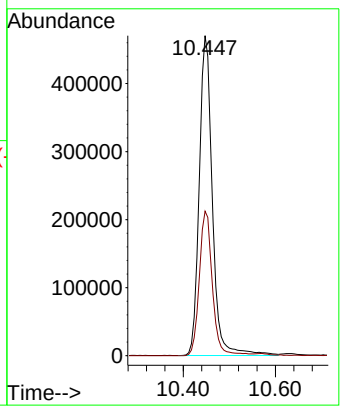
Tgt Ion: 43 Resp: 93618

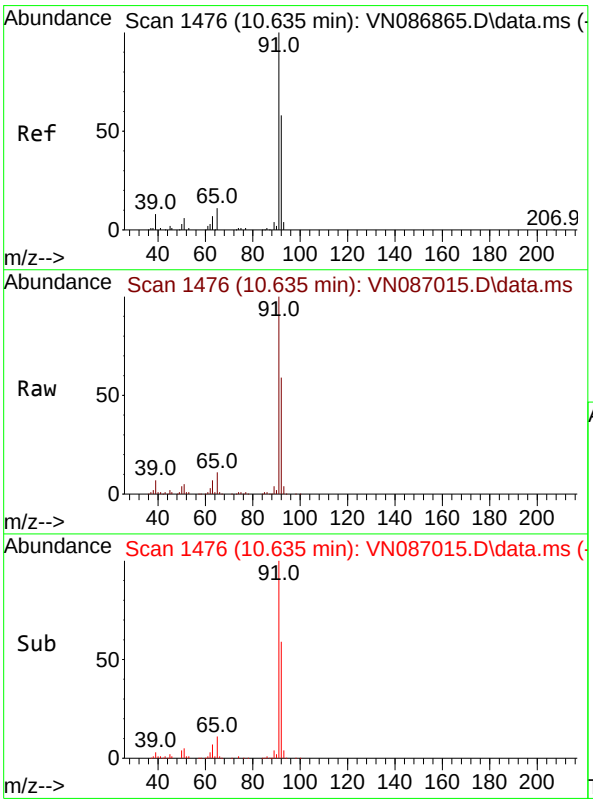
Ion	Ratio	Lower	Upper
43	100		
58	44.8	34.2	51.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

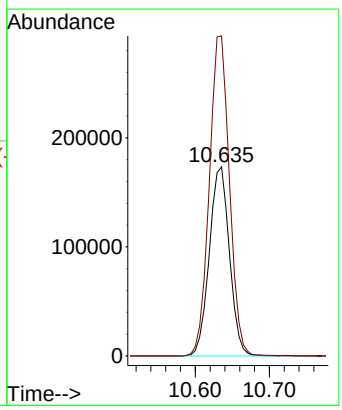


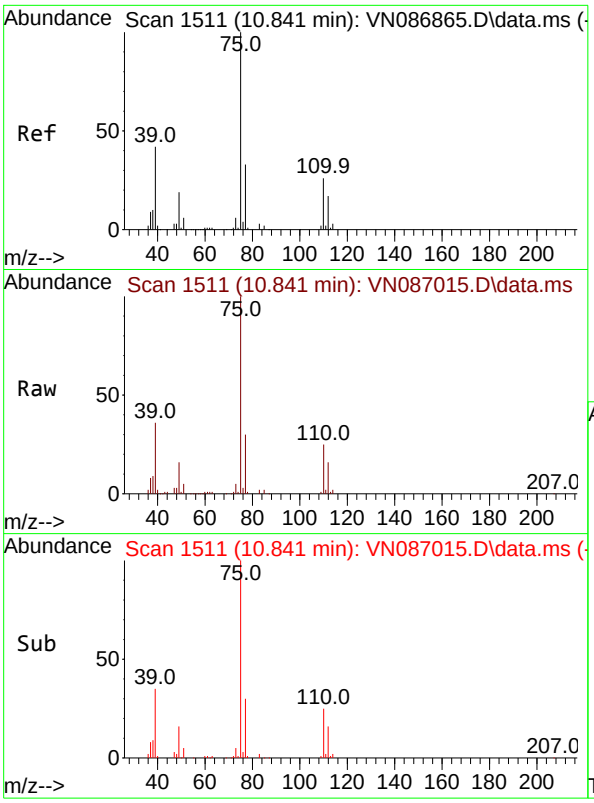


#52
Toluene
Concen: 57.220 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 92 Resp: 326827

Ion	Ratio	Lower	Upper
92	100		
91	169.4	136.5	204.7





#53
t-1,3-Dichloropropene
Concen: 54.355 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

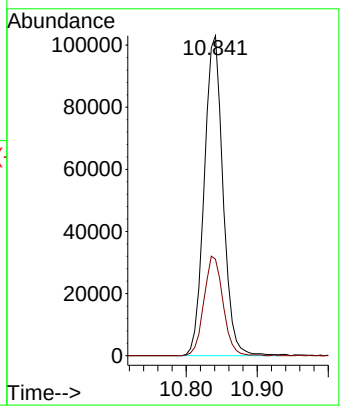
Tgt Ion: 75 Resp: 18887

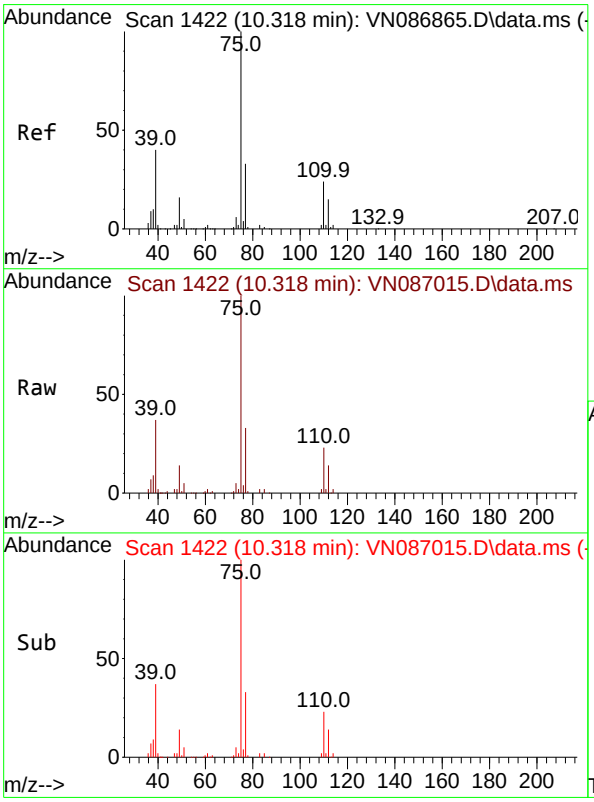
Ion	Ratio	Lower	Upper
75	100		
77	30.2	26.4	39.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

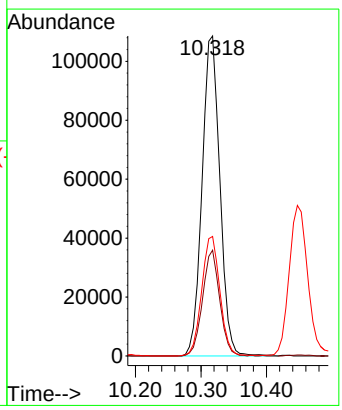


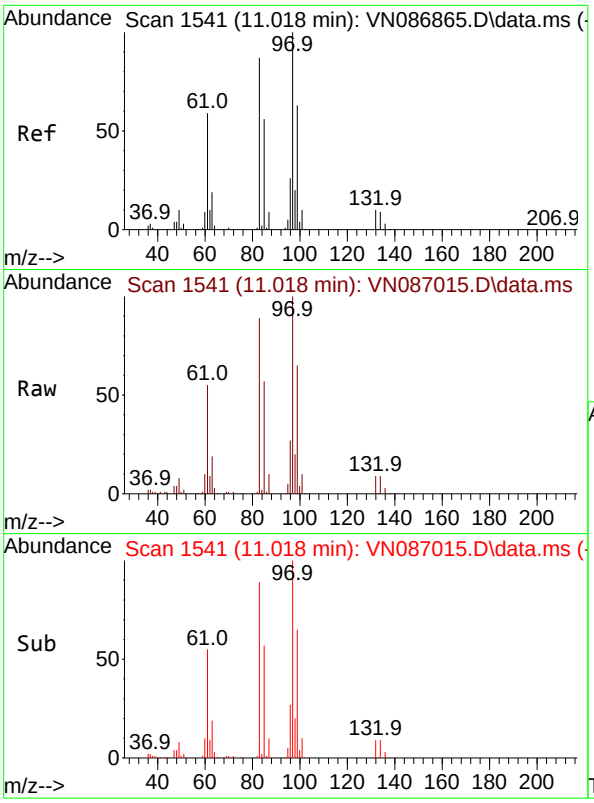


#54
cis-1,3-Dichloropropene
Concen: 55.209 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 75 Resp: 205259

Ion	Ratio	Lower	Upper
75	100		
77	33.0	26.2	39.4
39	37.3	32.3	48.5

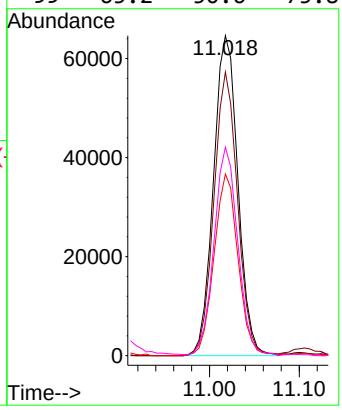




#55
1,1,2-Trichloroethane
Concen: 55.567 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 97 Resp: 12212

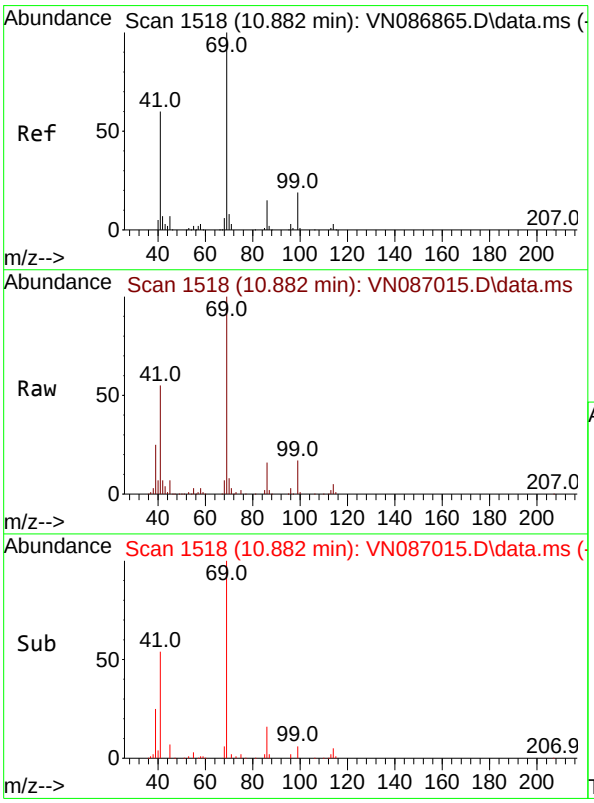
Ion	Ratio	Lower	Upper
97	100		
83	88.6	69.7	104.5
85	56.7	45.1	67.7
99	65.2	50.6	75.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

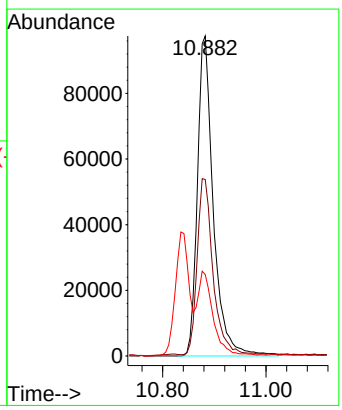
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

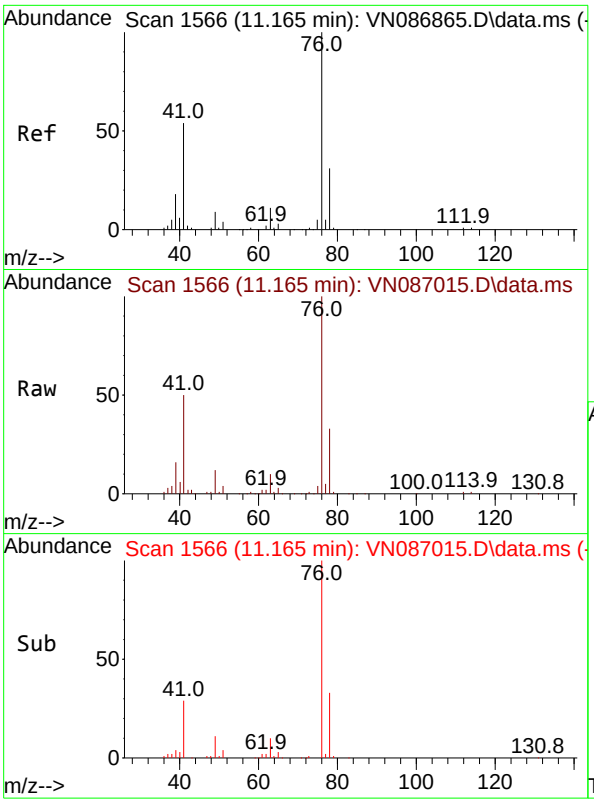


#56
Ethyl methacrylate
Concen: 59.518 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 69 Resp: 208346

Ion	Ratio	Lower	Upper
69	100		
41	54.9	47.2	70.8
39	25.6	23.0	34.6





#57
1,3-Dichloropropane
Concen: 56.341 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

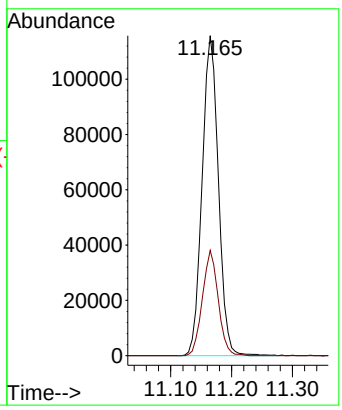
Tgt Ion: 76 Resp: 21480

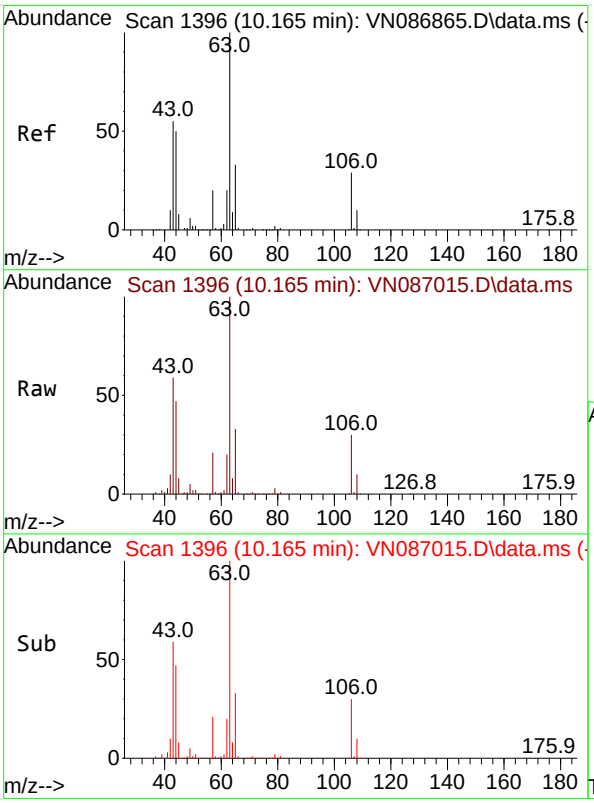
Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.3	37.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

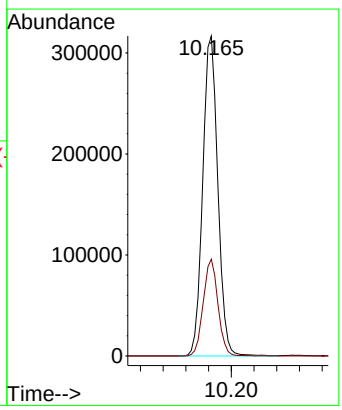


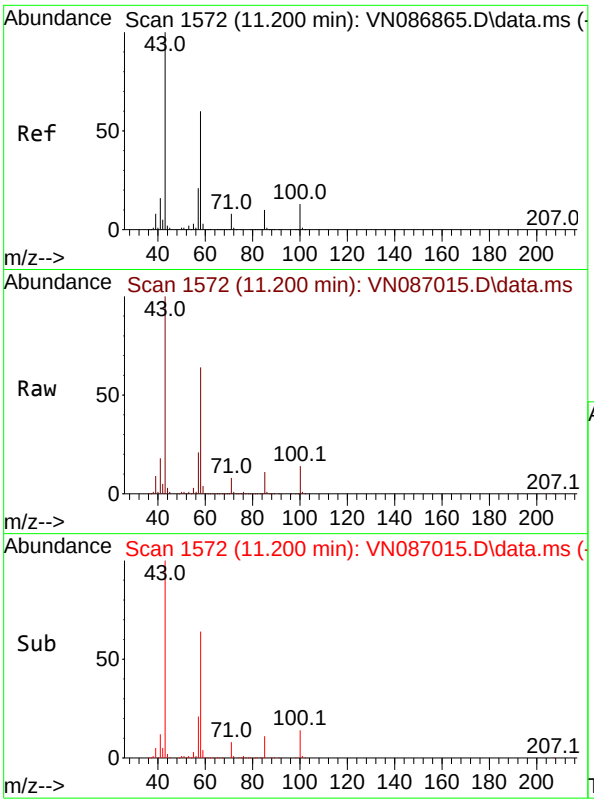


#58
2-Chloroethyl Vinyl ether
Concen: 278.815 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 63 Resp: 582139

Ion	Ratio	Lower	Upper
63	100		
106	29.5	23.0	34.6





#59
2-Hexanone
Concen: 279.908 ug/l
RT: 11.200 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

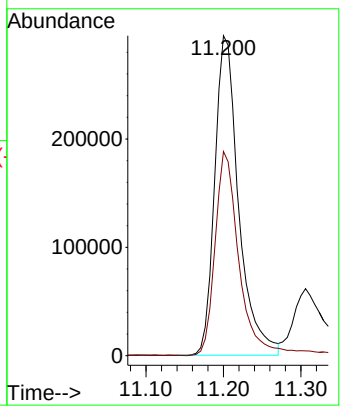
Tgt Ion: 43 Resp: 63385

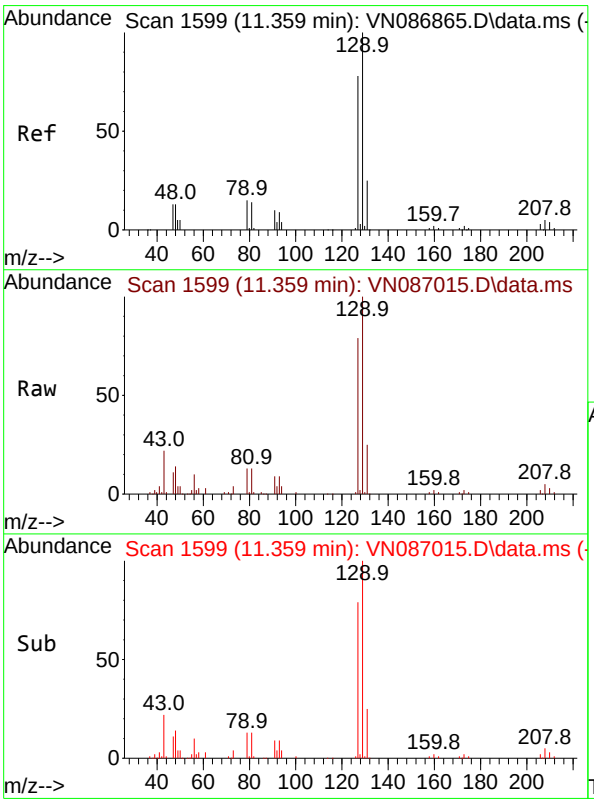
Ion	Ratio	Lower	Upper
43	100		
58	66.1	30.4	91.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

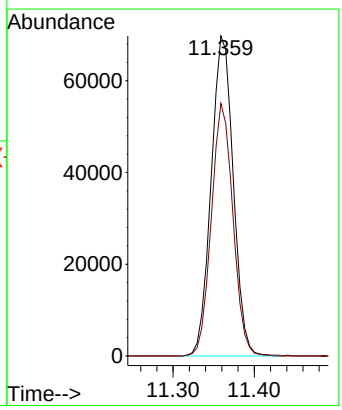


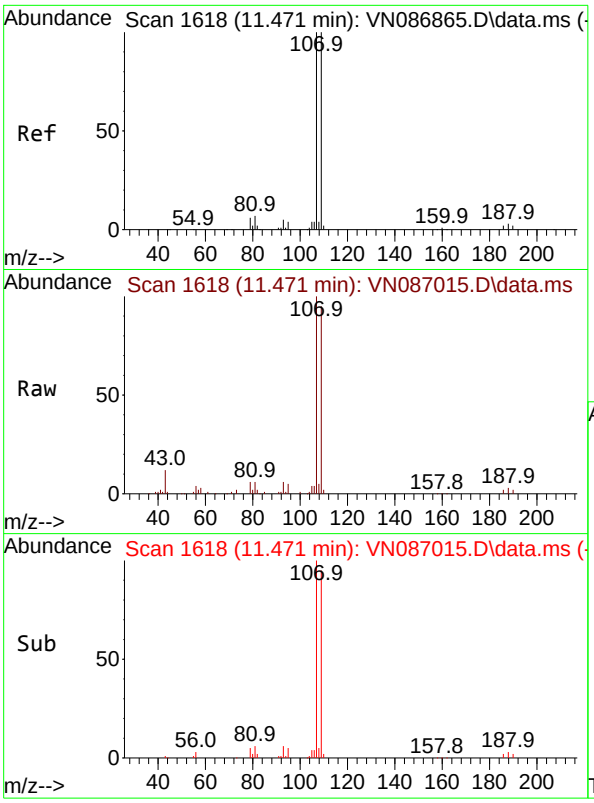


#60
Dibromochloromethane
Concen: 57.629 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:129 Resp: 131961

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.8





#61
1,2-Dibromoethane
Concen: 57.456 ug/l
RT: 11.471 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

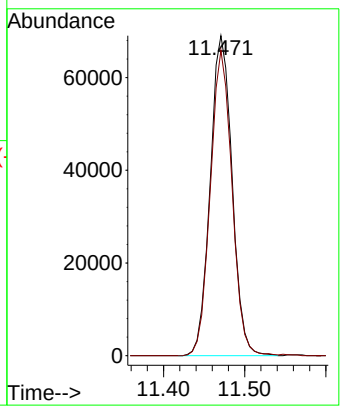
Tgt Ion:107 Resp: 12943

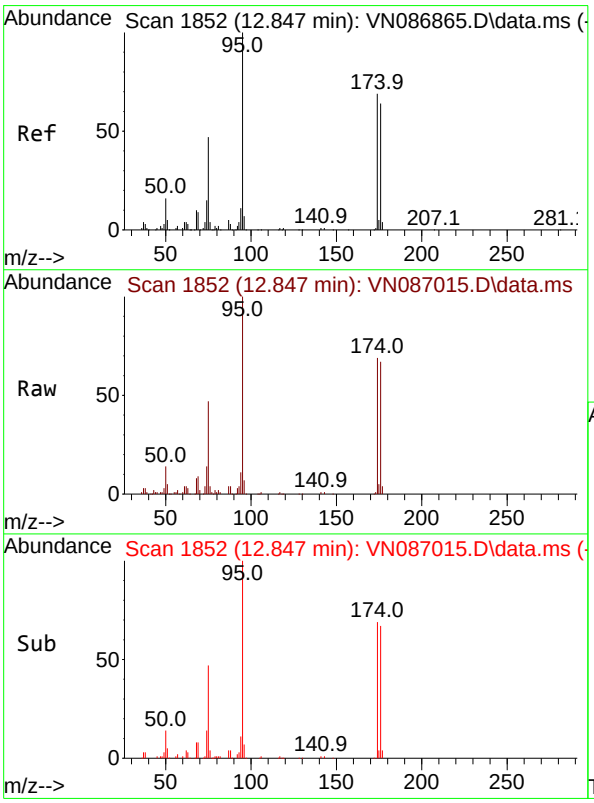
Ion	Ratio	Lower	Upper
107	100		
109	94.1	76.3	114.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

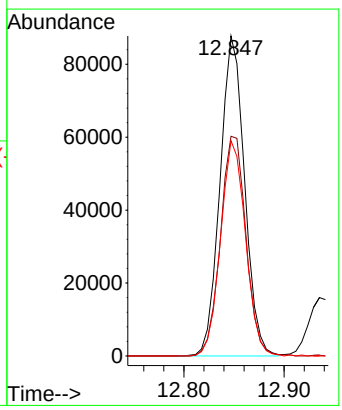


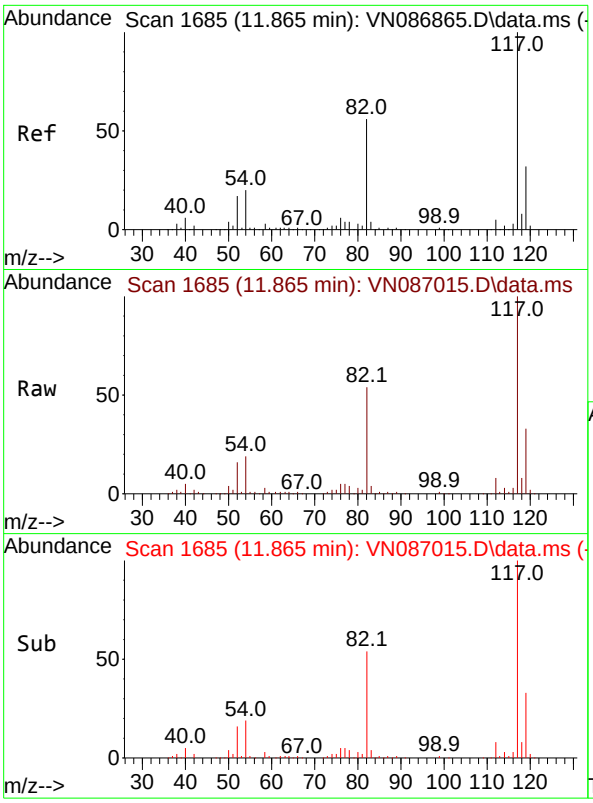


#62
4-Bromofluorobenzene
Concen: 52.808 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 95 Resp: 148979

Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	141.8
176	68.4	0.0	132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

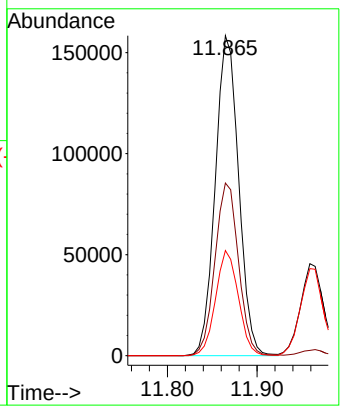
Tgt Ion:117 Resp: 28671

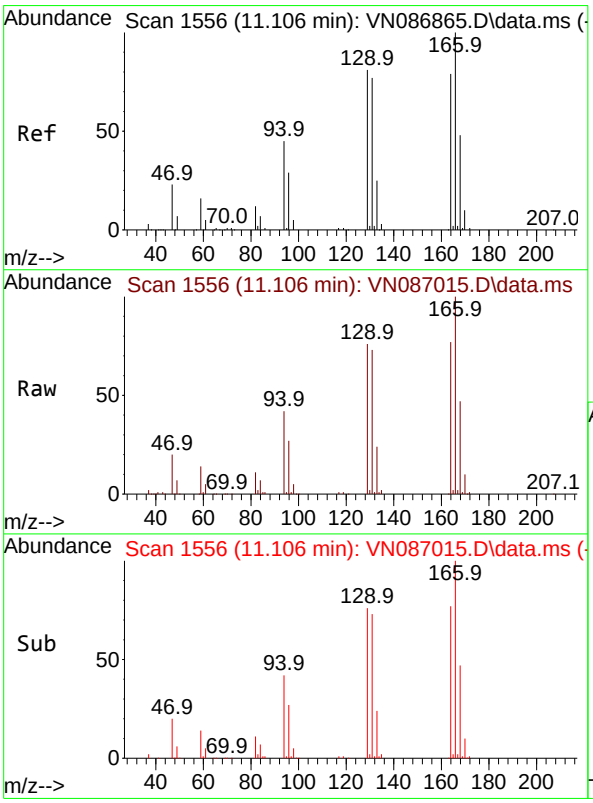
Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.6	67.0
119	32.8	25.5	38.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

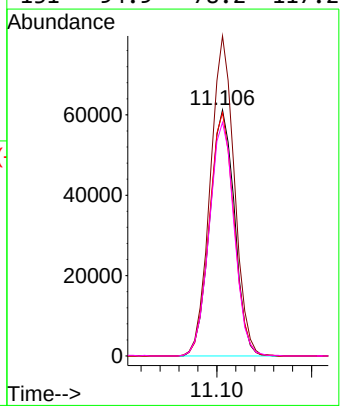


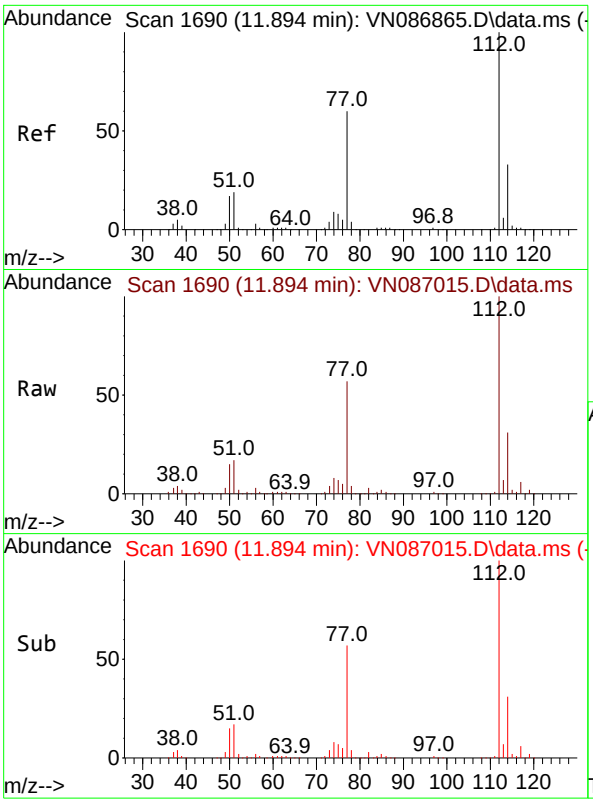


#64
Tetrachloroethene
Concen: 61.148 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:164 Resp: 110954

Ion	Ratio	Lower	Upper
164	100		
166	130.1	101.8	152.8
129	98.8	83.0	124.4
131	94.9	78.2	117.2

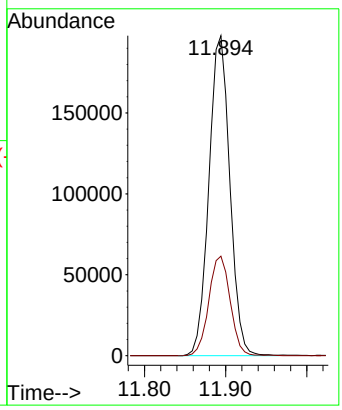




#65
Chlorobenzene
Concen: 55.910 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:112 Resp: 35354

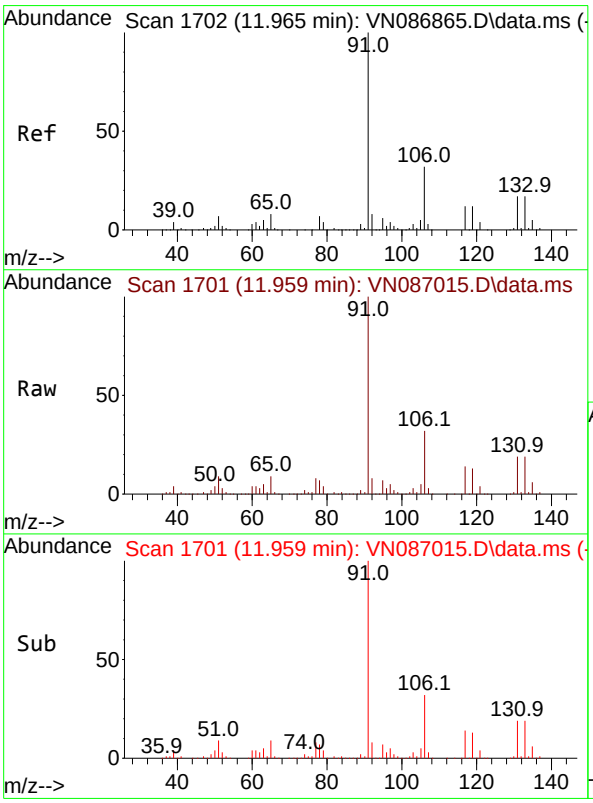
Ion	Ratio	Lower	Upper
112	100		
114	31.1	26.2	39.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

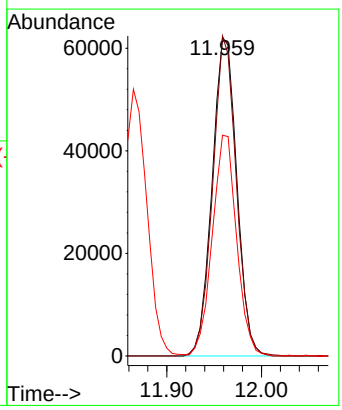
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

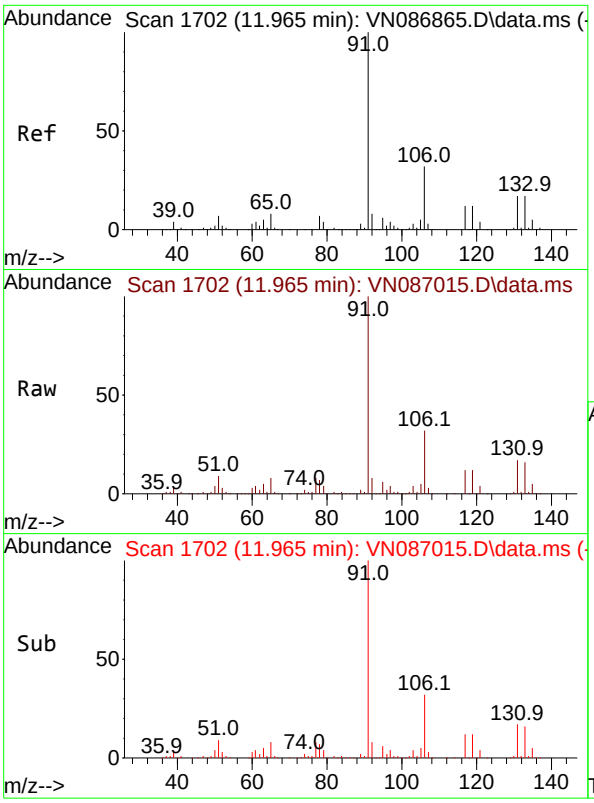


#66
1,1,1,2-Tetrachloroethane
Concen: 55.207 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:131 Resp: 112219

Ion	Ratio	Lower	Upper
131	100		
133	96.3	48.3	144.8
119	68.5	34.0	101.8

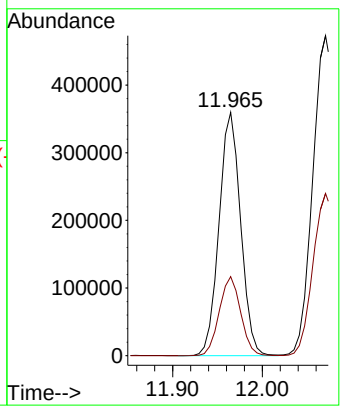




#67
Ethyl Benzene
Concen: 55.151 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 91 Resp: 60072

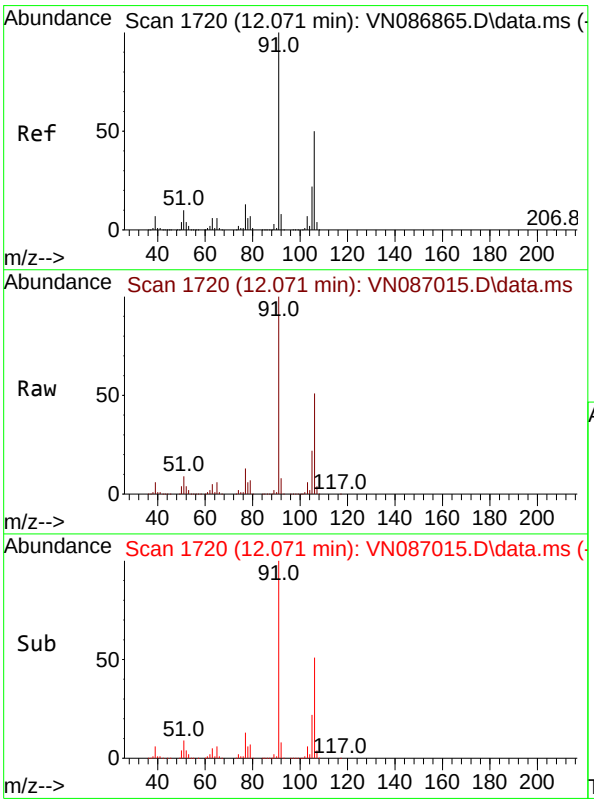
Ion	Ratio	Lower	Upper
91	100		
106	32.5	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

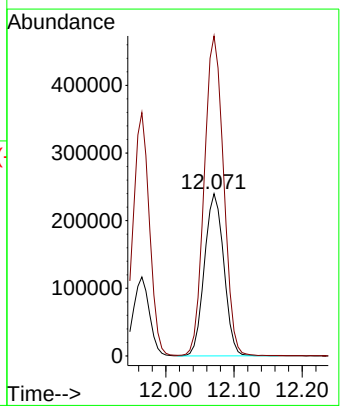
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

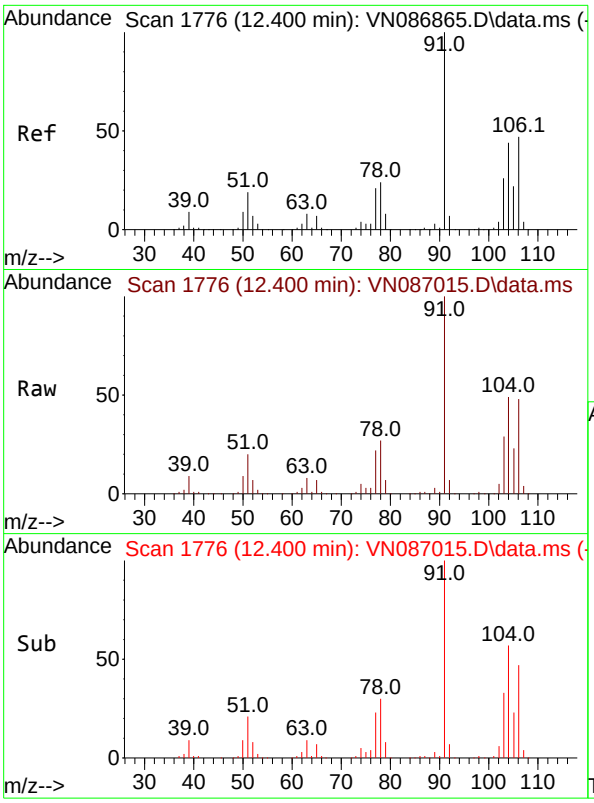


#68
m/p-Xylenes
Concen: 113.745 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:106 Resp: 474265

Ion	Ratio	Lower	Upper
106	100		
91	197.5	159.4	239.0





#69
o-Xylene
Concen: 56.733 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

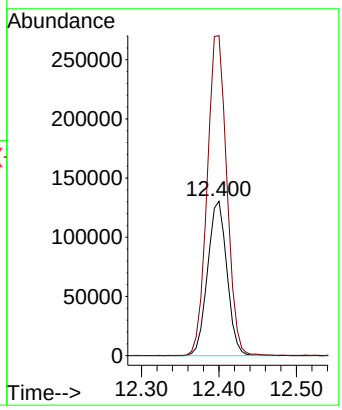
Tgt Ion:106 Resp: 22655

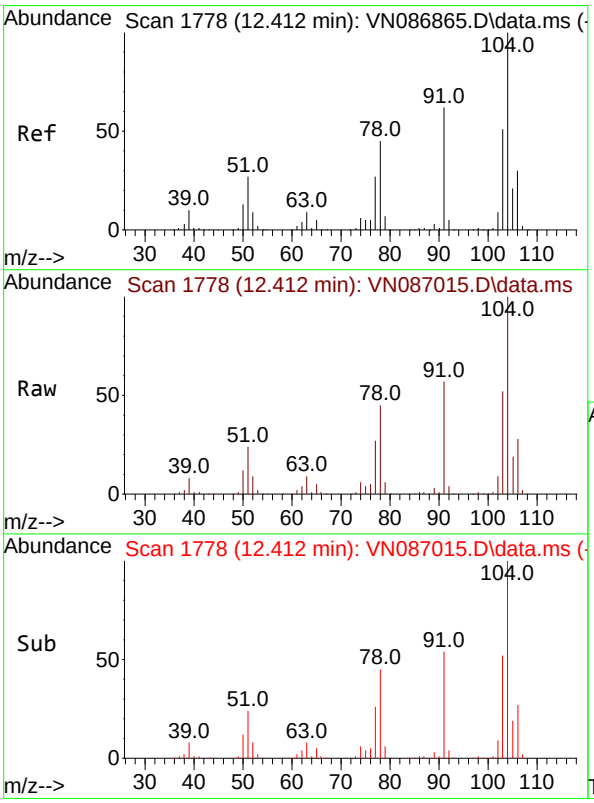
Ion	Ratio	Lower	Upper
106	100		
91	210.5	106.1	318.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

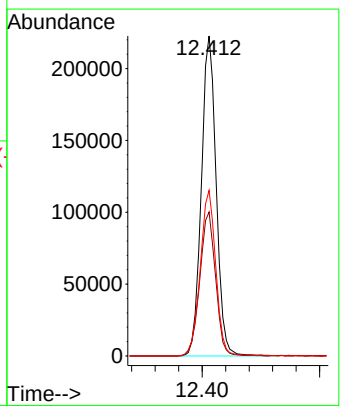


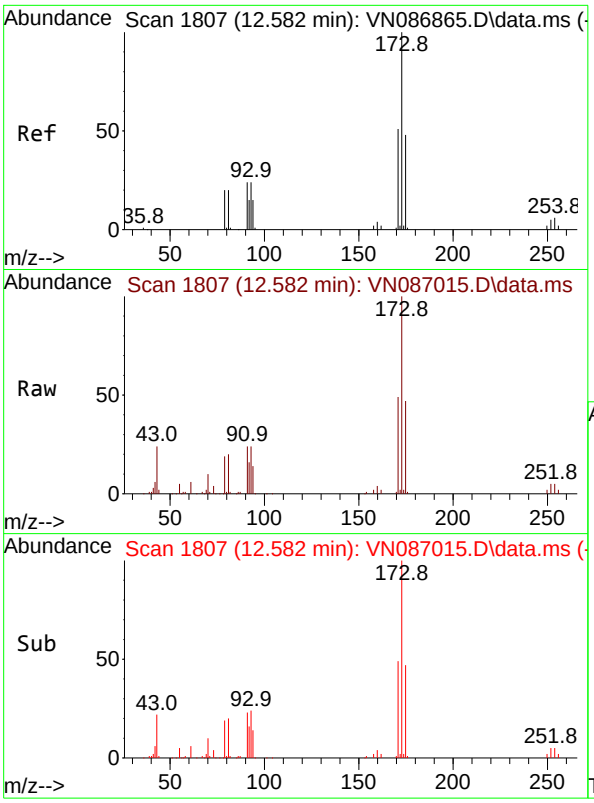


#70
Styrene
Concen: 57.257 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:104 Resp: 391256

Ion	Ratio	Lower	Upper
104	100		
78	47.5	38.5	57.7
103	54.1	43.1	64.7

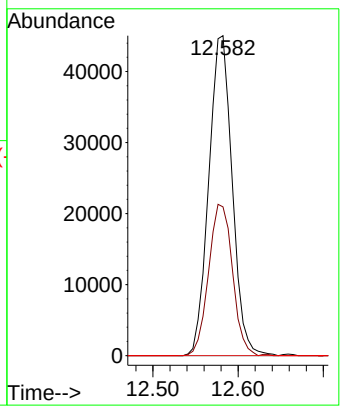




#71
Bromoform
Concen: 57.160 ug/l
RT: 12.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:173 Resp: 8608

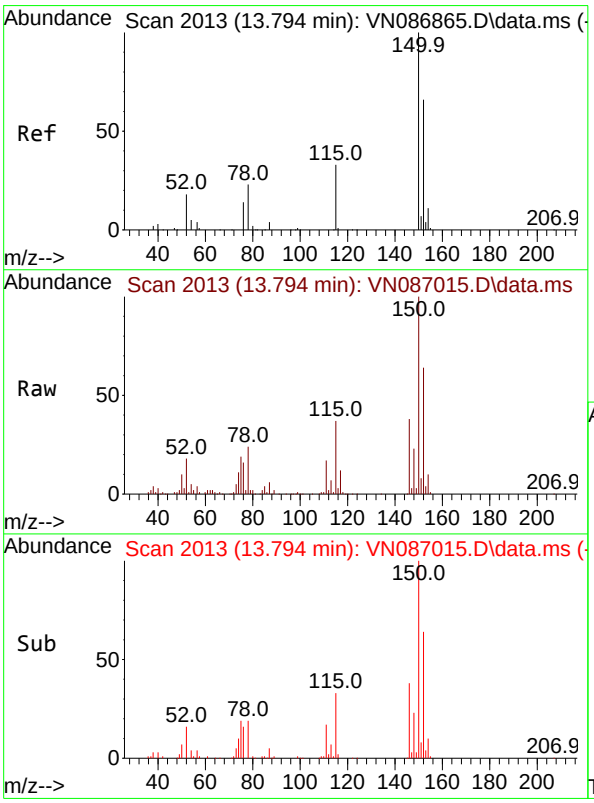
Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

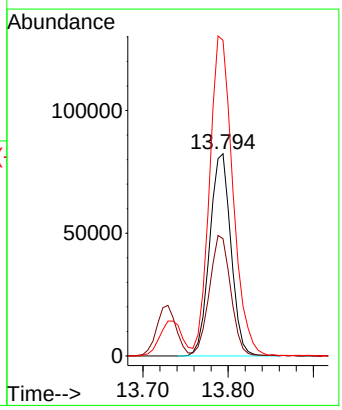
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

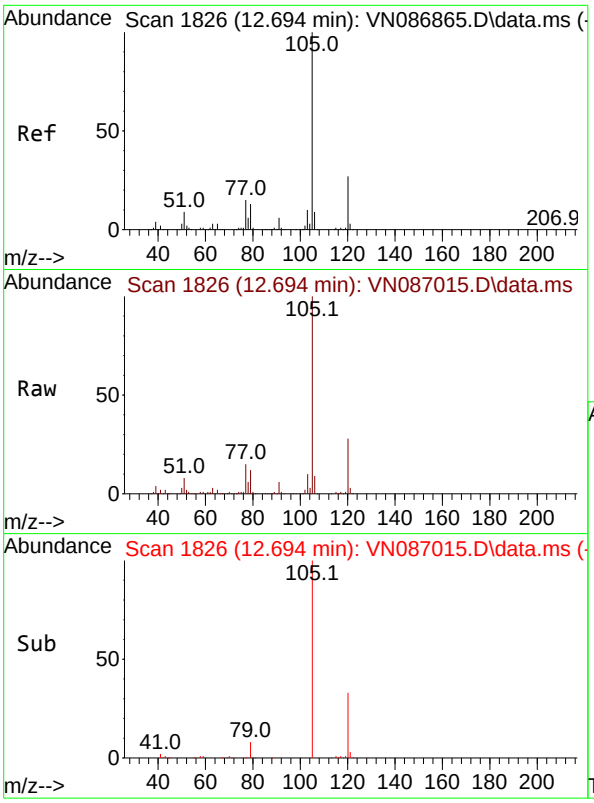


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:152 Resp: 143044

Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.1	90.5
150	172.9	0.0	345.0

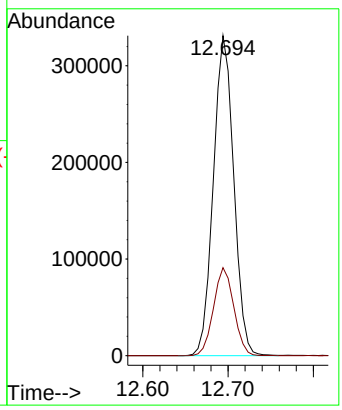




#73
Isopropylbenzene
Concen: 52.915 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:105 Resp: 55142

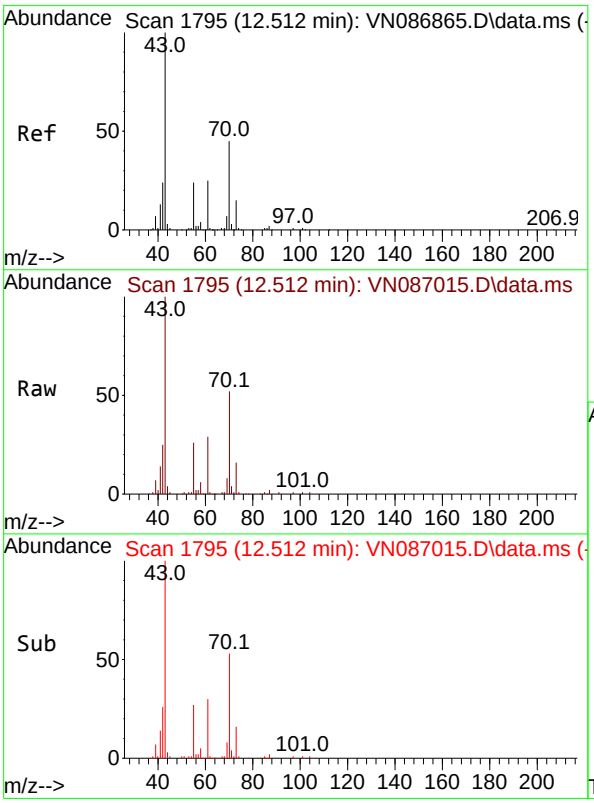
Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.5	40.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

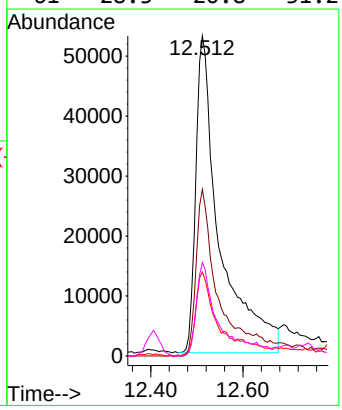
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

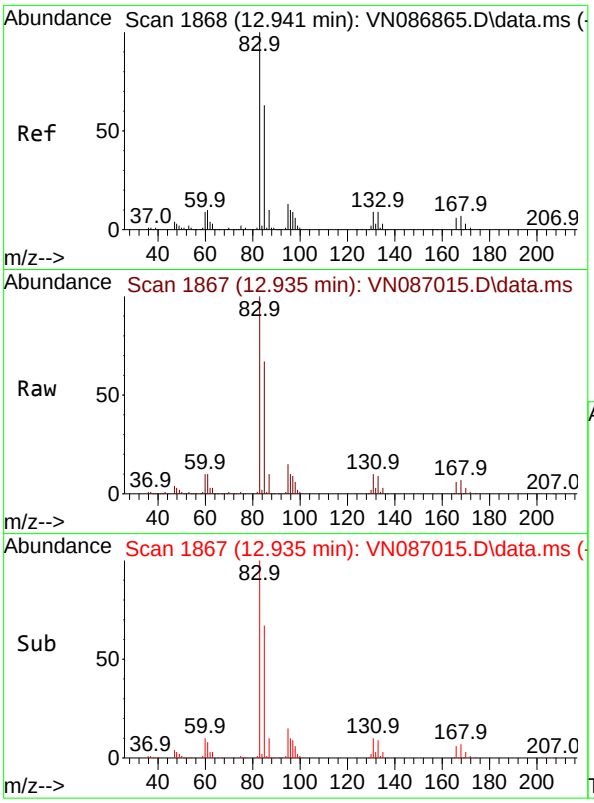


#74
N-amyl acetate
Concen: 52.247 ug/l
RT: 12.512 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 43 Resp: 190258

Ion	Ratio	Lower	Upper
43	100		
70	49.9	37.6	56.4
55	26.3	19.0	28.6
61	28.3	20.8	31.2

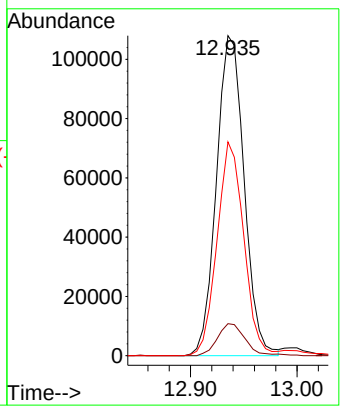




#75
1,1,2,2-Tetrachloroethane
Concen: 55.290 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 83 Resp: 19519

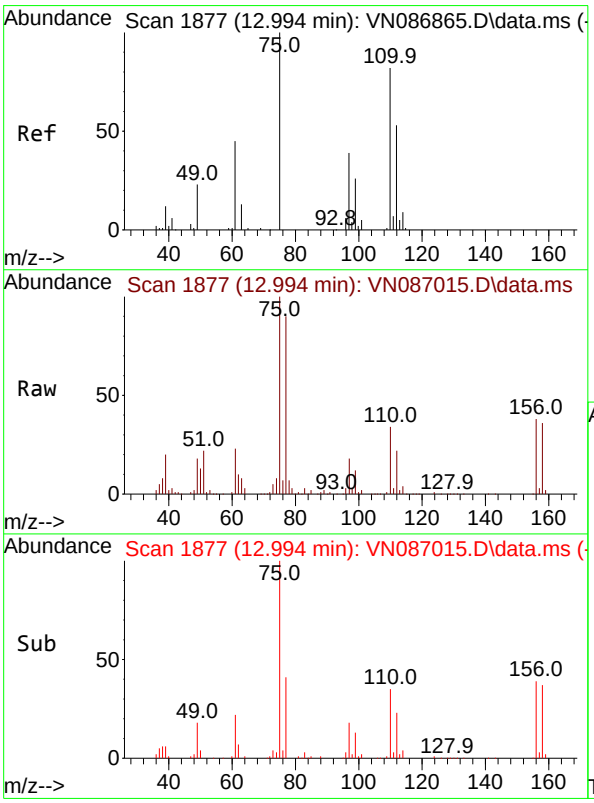
Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	64.4	32.0	96.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

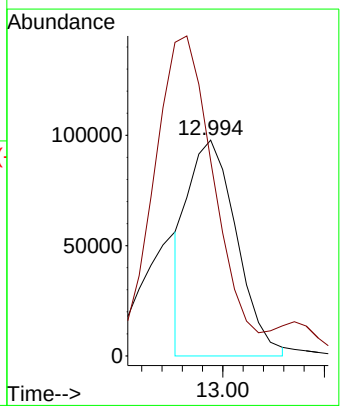
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

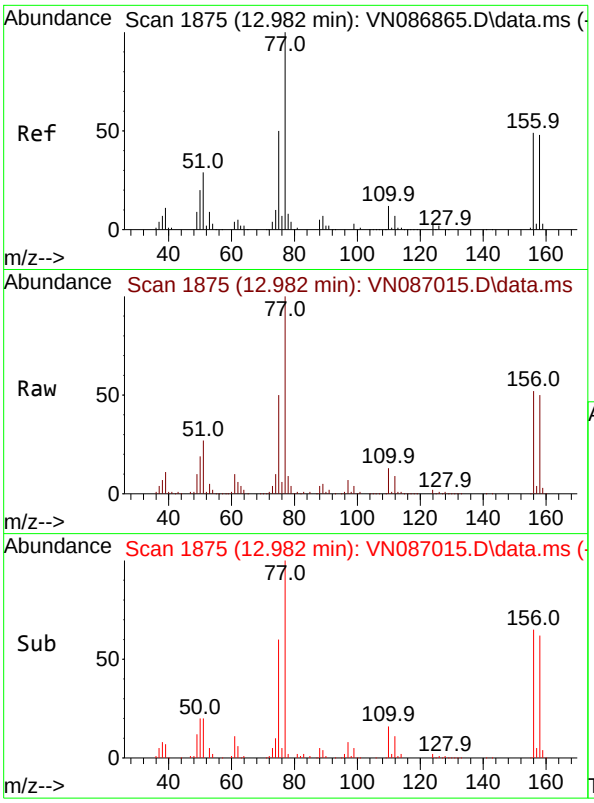


#76
1,2,3-Trichloropropane
Concen: 48.082 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 75 Resp: 163490

Ion	Ratio	Lower	Upper
75	100		
77	184.3	79.3	237.9

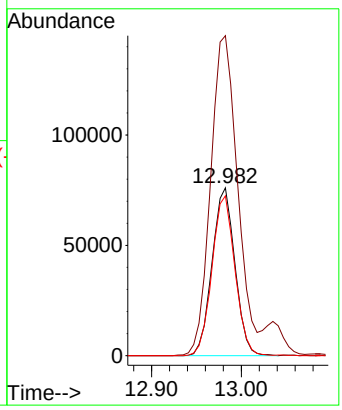




#77
Bromobenzene
Concen: 56.217 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:156 Resp: 13435

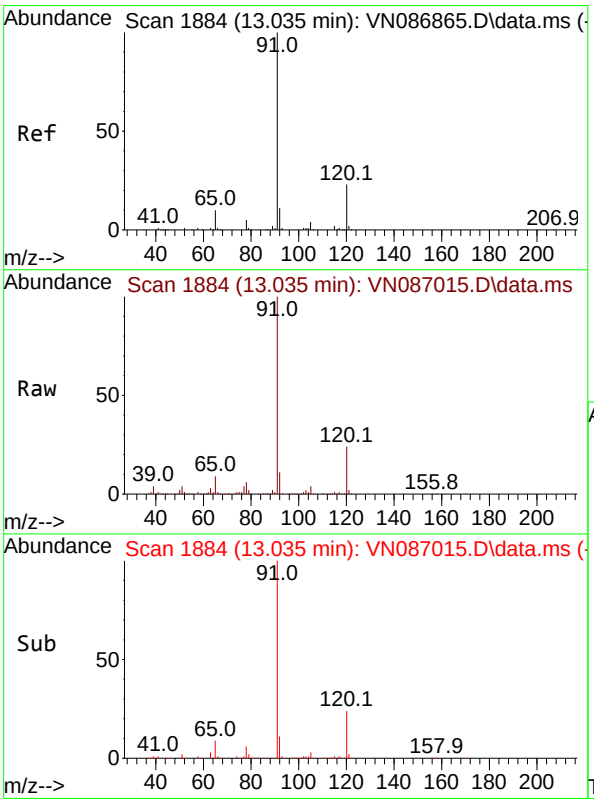
Ion	Ratio	Lower	Upper
156	100		
77	224.3	117.7	353.1
158	95.8	48.1	144.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

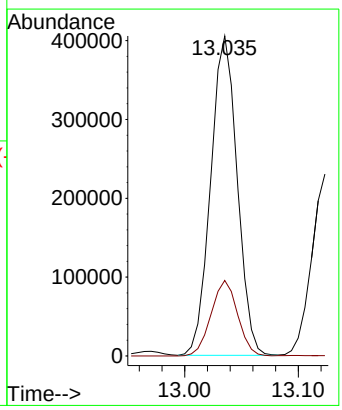
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

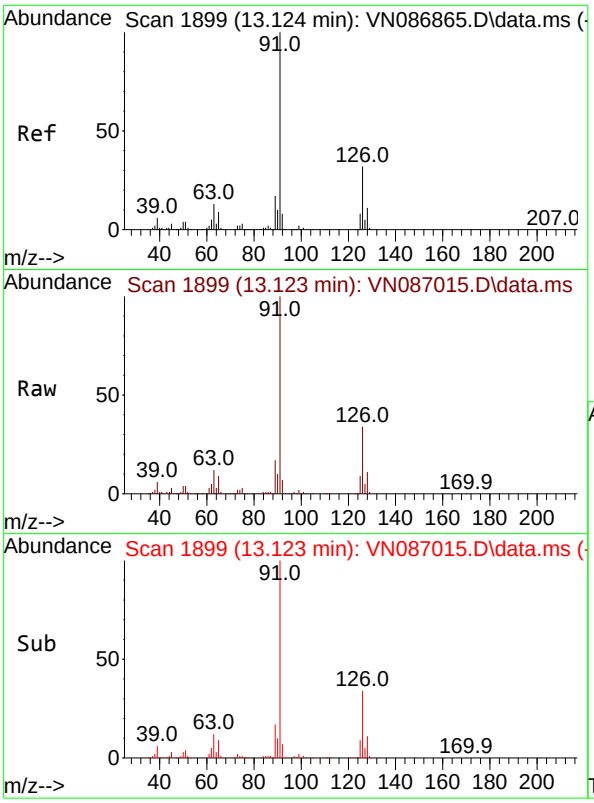


#78
n-propylbenzene
Concen: 51.930 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 91 Resp: 657646

Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.4	34.2





#79
2-Chlorotoluene
Concen: 53.388 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

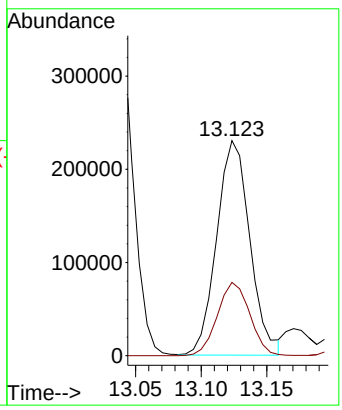
Tgt Ion: 91 Resp: 40547

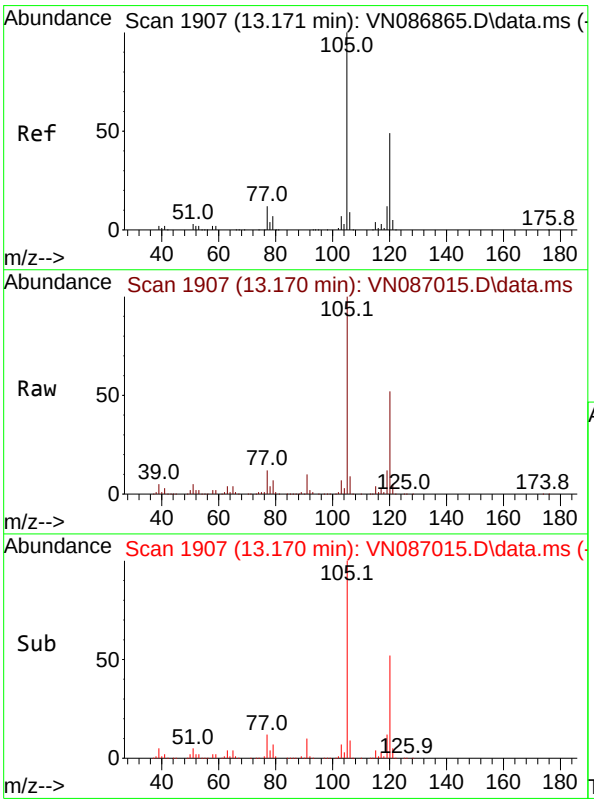
Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.2	48.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

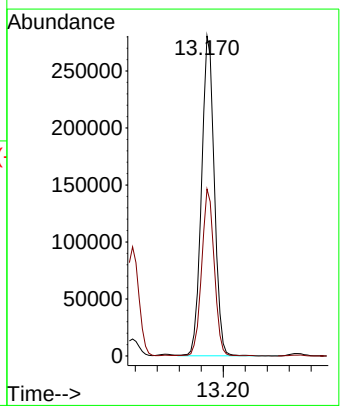


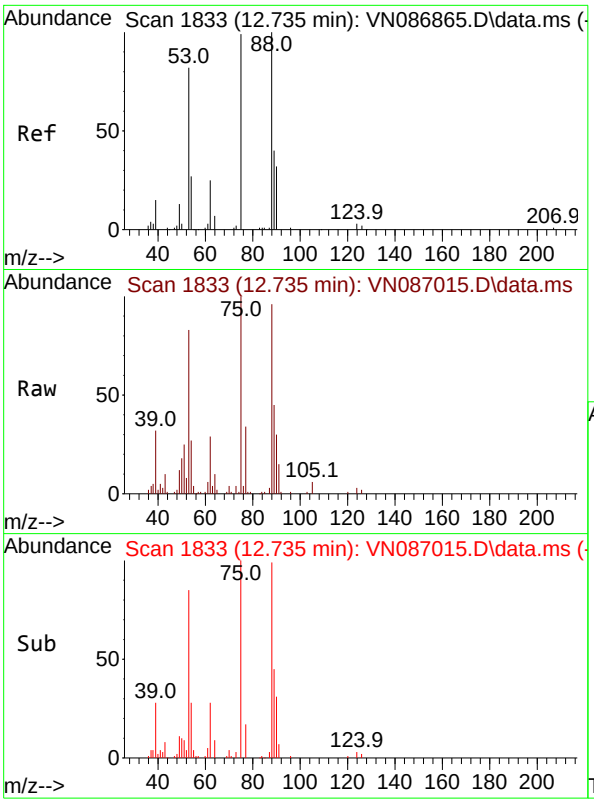


#80
1,3,5-Trimethylbenzene
Concen: 52.608 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:105 Resp: 452624

Ion	Ratio	Lower	Upper
105	100		
120	51.0	24.9	74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 38.297 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

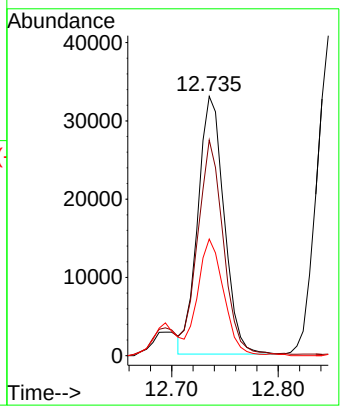
Tgt Ion: 75 Resp: 5656

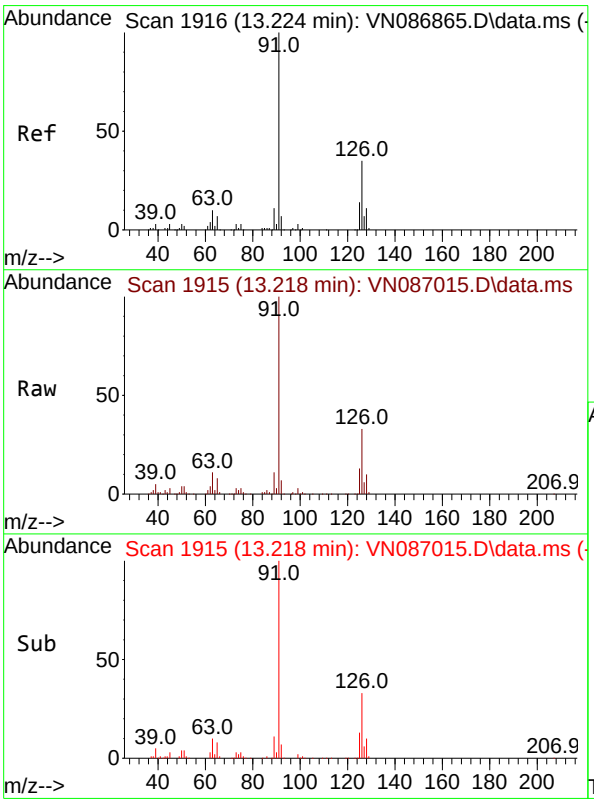
Ion	Ratio	Lower	Upper
75	100		
53	81.5	66.6	99.8
89	43.4	36.7	55.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

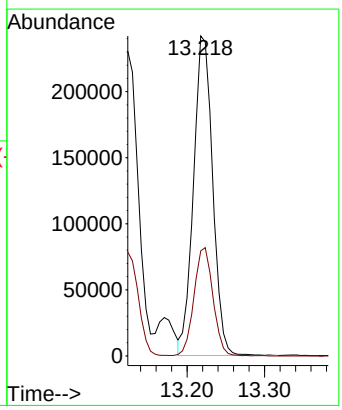


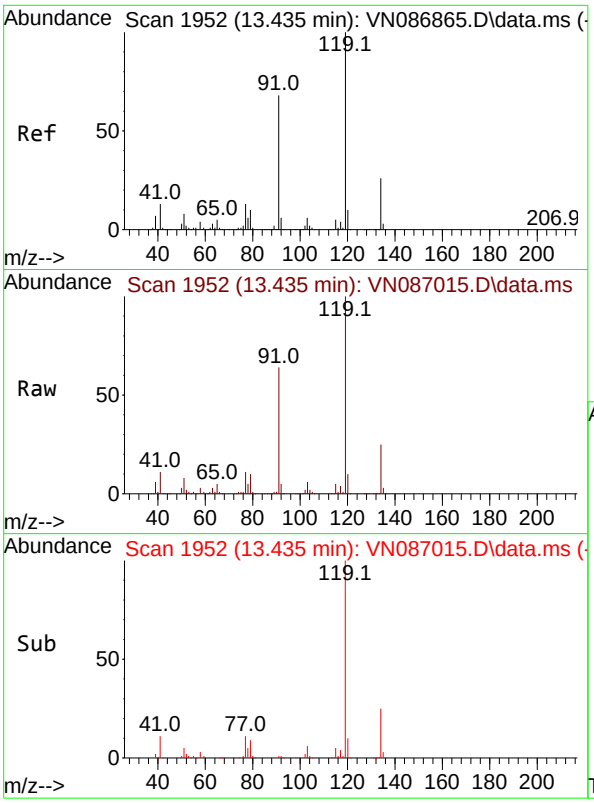


#82
4-Chlorotoluene
Concen: 54.095 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 91 Resp: 415698

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.7	50.1

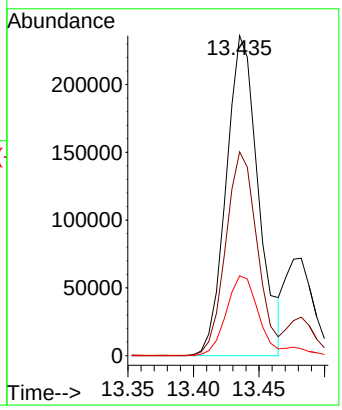




#83
tert-Butylbenzene
Concen: 51.101 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:119 Resp: 40244

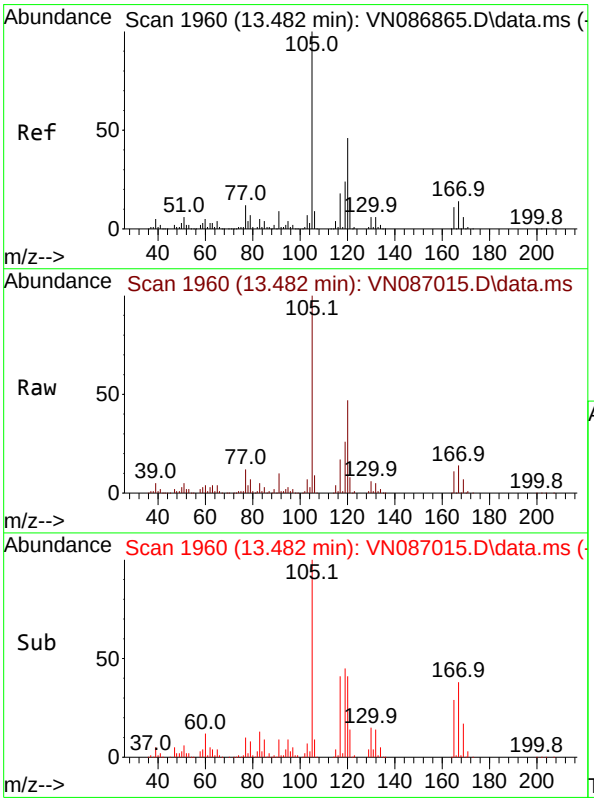
Ion	Ratio	Lower	Upper
119	100		
91	62.3	32.1	96.5
134	26.6	13.4	40.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

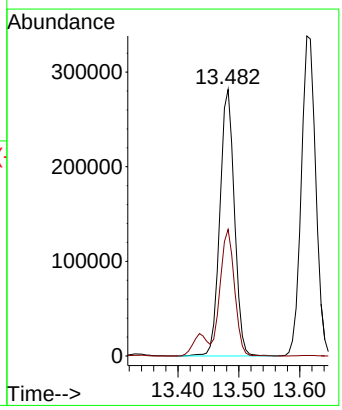
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

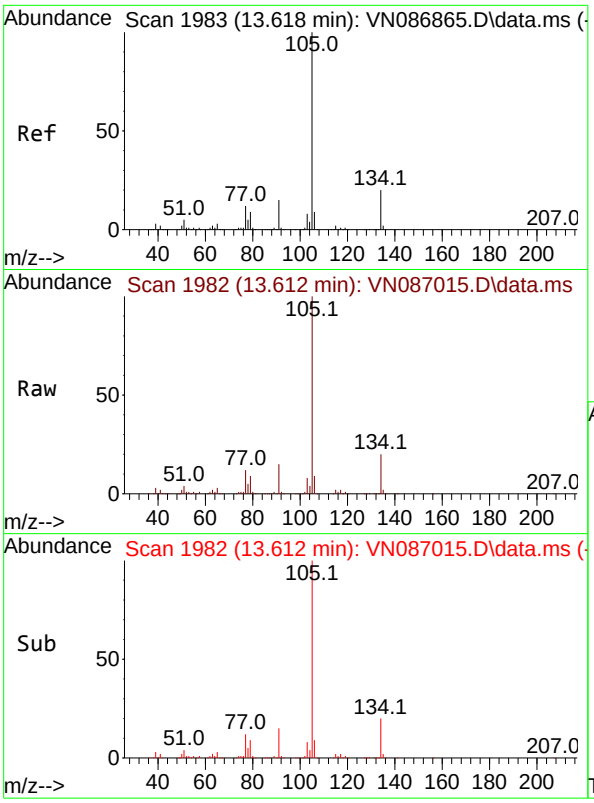


#84
1,2,4-Trimethylbenzene
Concen: 54.055 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:105 Resp: 466357

Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.2	69.6





#85
sec-Butylbenzene
Concen: 48.896 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

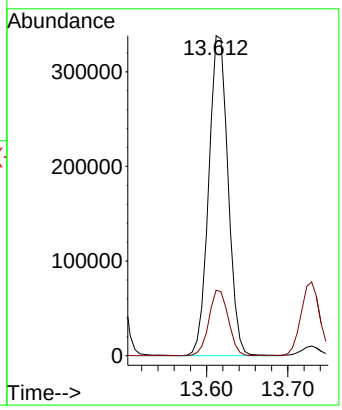
Tgt Ion:105 Resp: 55922

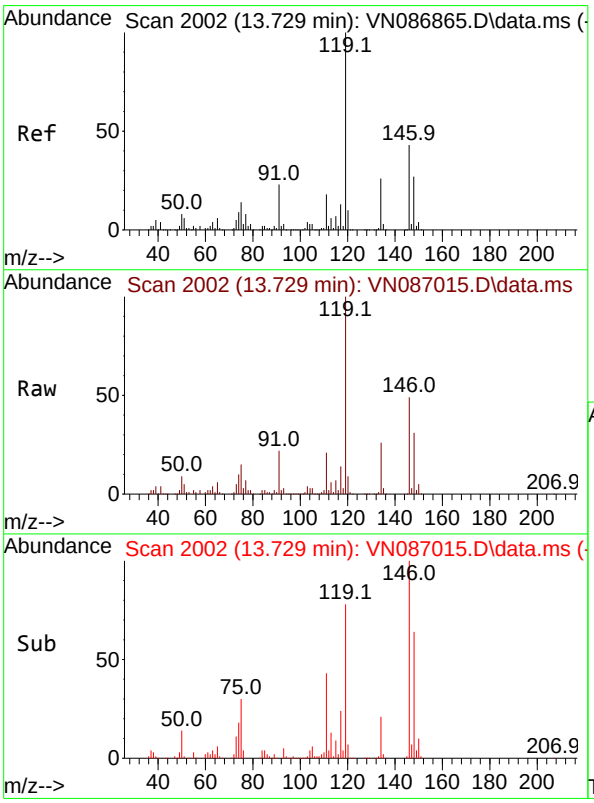
Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.0	30.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

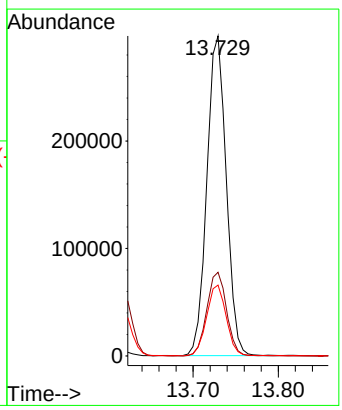


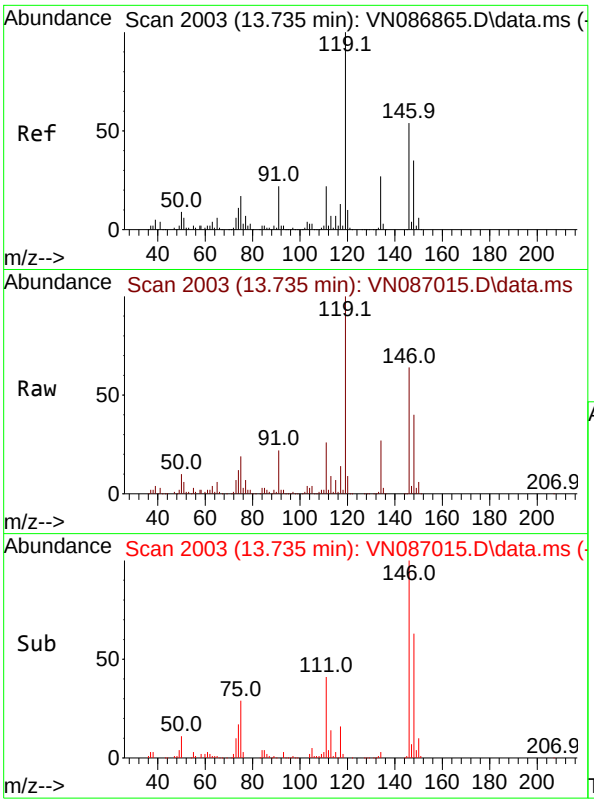


#86
p-Isopropyltoluene
Concen: 49.723 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:119 Resp: 470095

Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.5	40.4
91	22.3	11.5	34.4

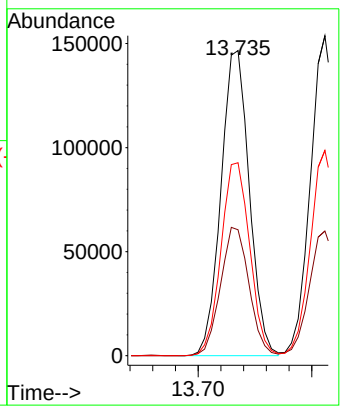




#87
1,3-Dichlorobenzene
Concen: 54.127 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:146 Resp: 25450

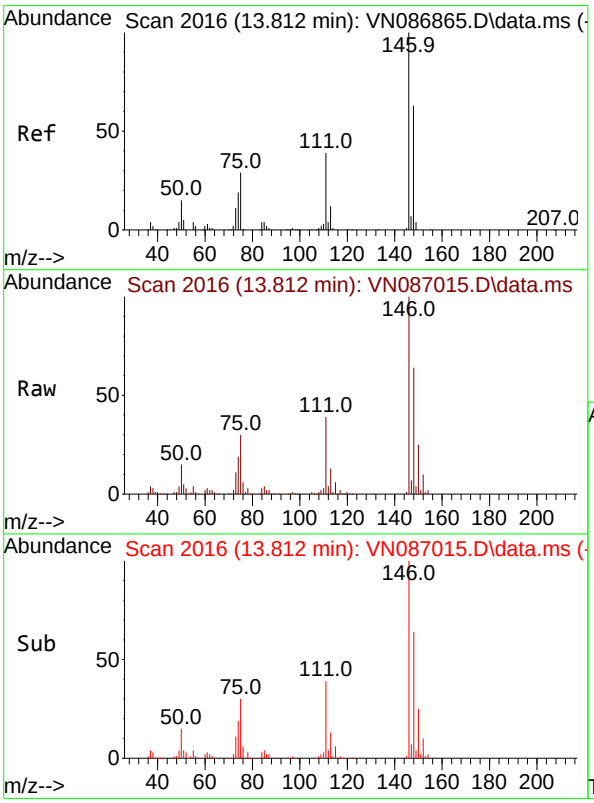
Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.9	62.8
148	64.1	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

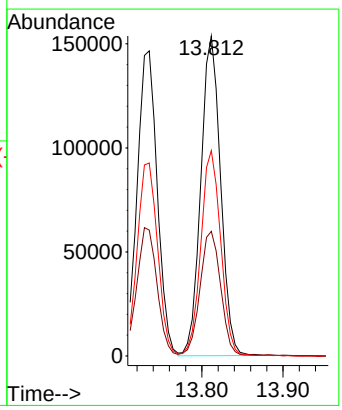
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

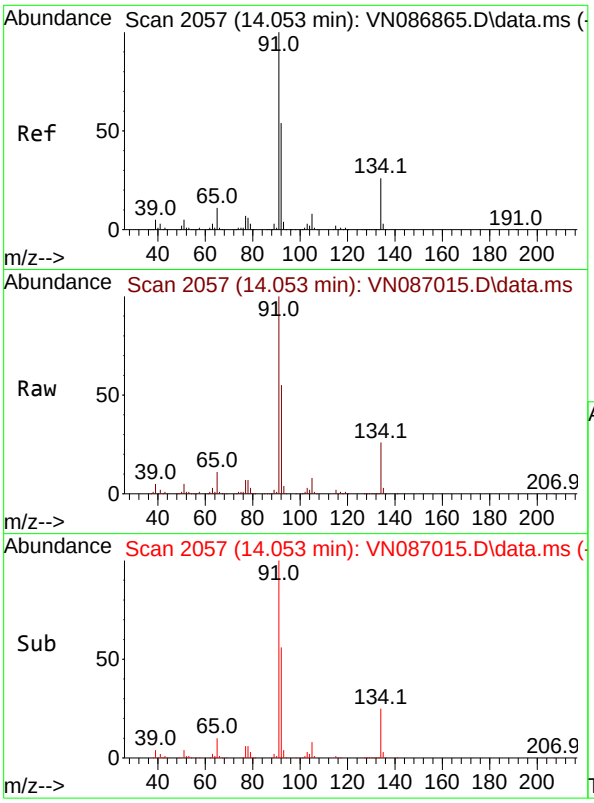


#88
1,4-Dichlorobenzene
Concen: 54.093 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:146 Resp: 259312

Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.9	59.7
148	64.2	31.8	95.4





#89
n-Butylbenzene
Concen: 46.215 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

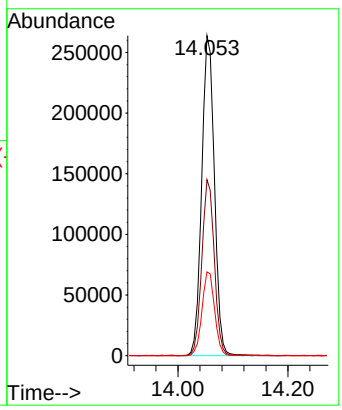
Tgt Ion: 91 Resp: 42320

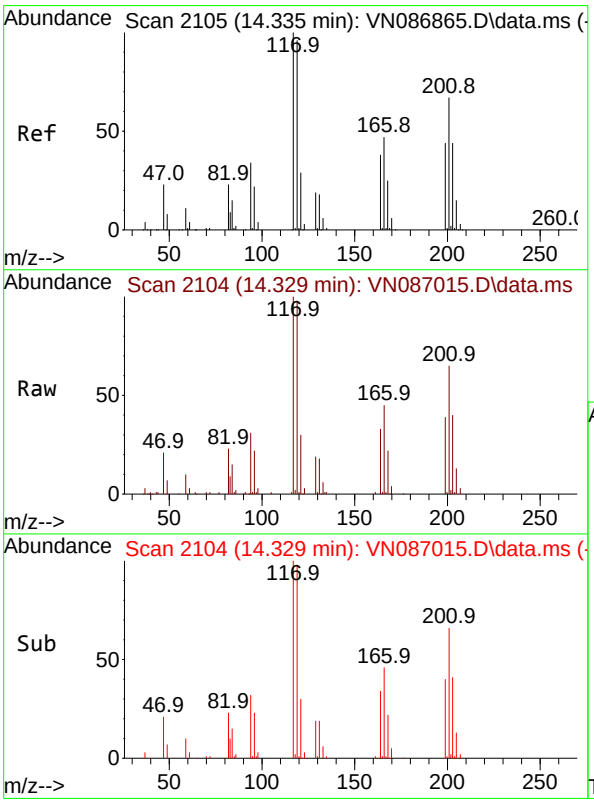
Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.5	82.4
134	26.0	13.0	39.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

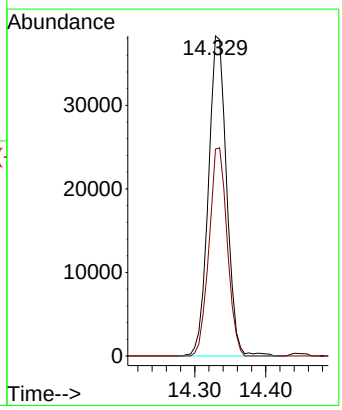


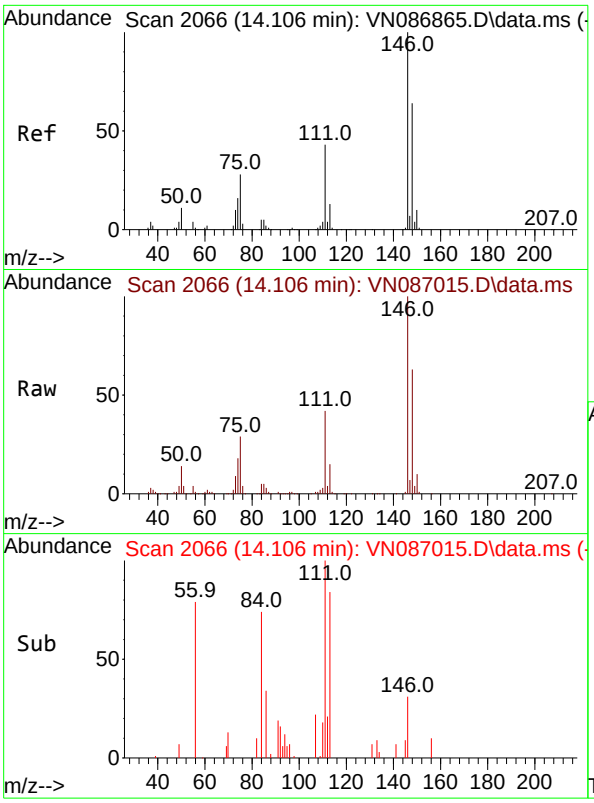


#90
Hexachloroethane
Concen: 42.577 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:117 Resp: 68232

Ion	Ratio	Lower	Upper
117	100		
201	64.7	33.2	99.6





#91
1,2-Dichlorobenzene
Concen: 54.592 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

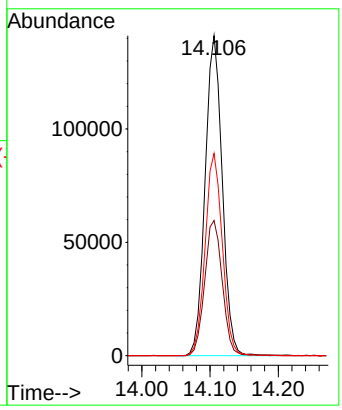
Tgt Ion:146 Resp: 24661

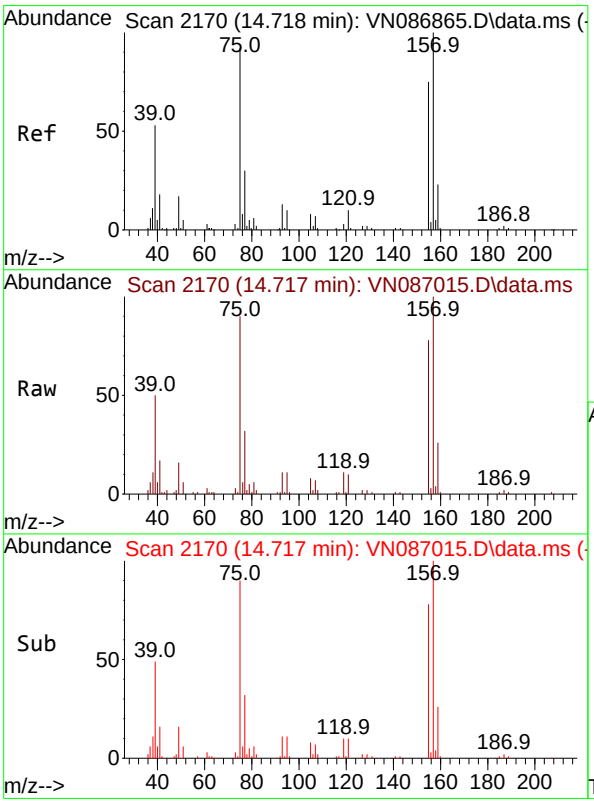
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.6	64.6
148	63.5	31.7	95.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

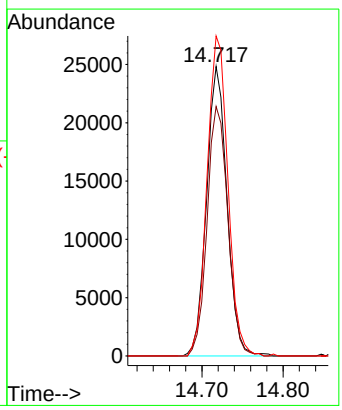


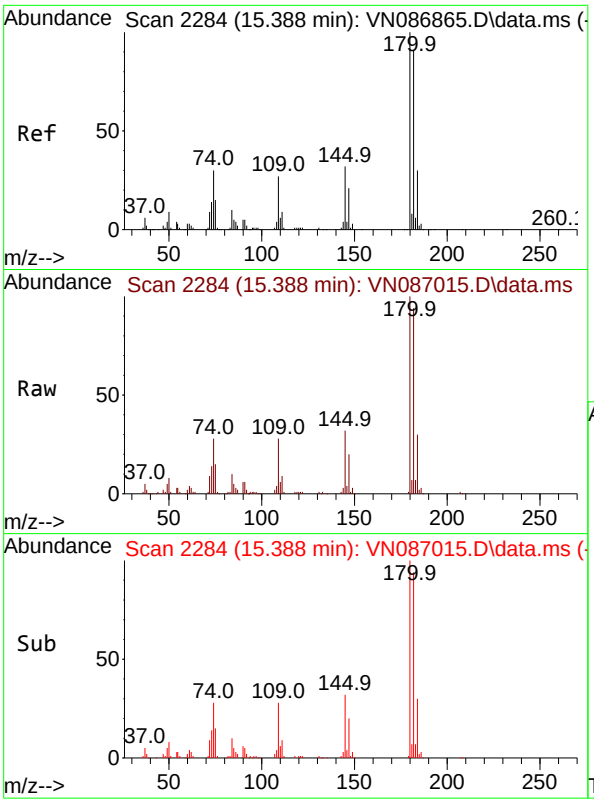


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.477 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 75 Resp: 43462

Ion	Ratio	Lower	Upper
75	100		
155	87.3	41.1	123.4
157	112.4	52.7	158.1

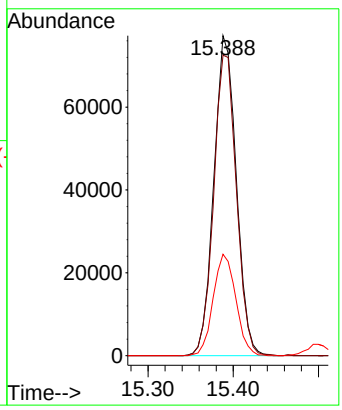




#93
1,2,4-Trichlorobenzene
Concen: 48.896 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:180 Resp: 14104

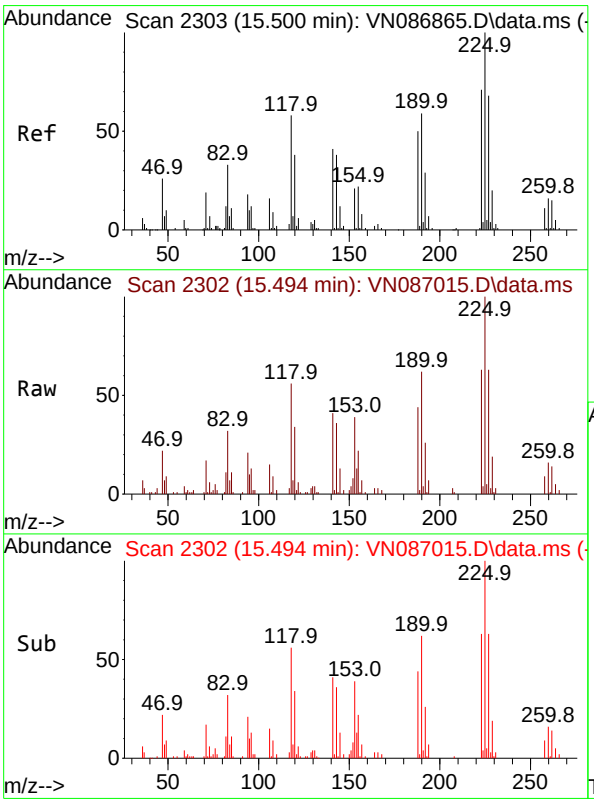
Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.9	140.7
145	32.1	16.0	47.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

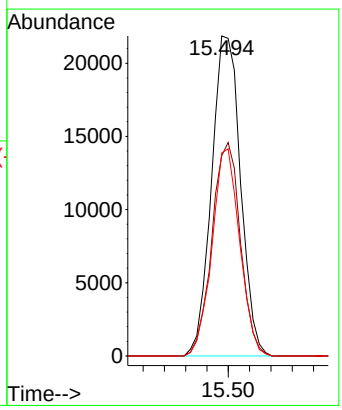
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

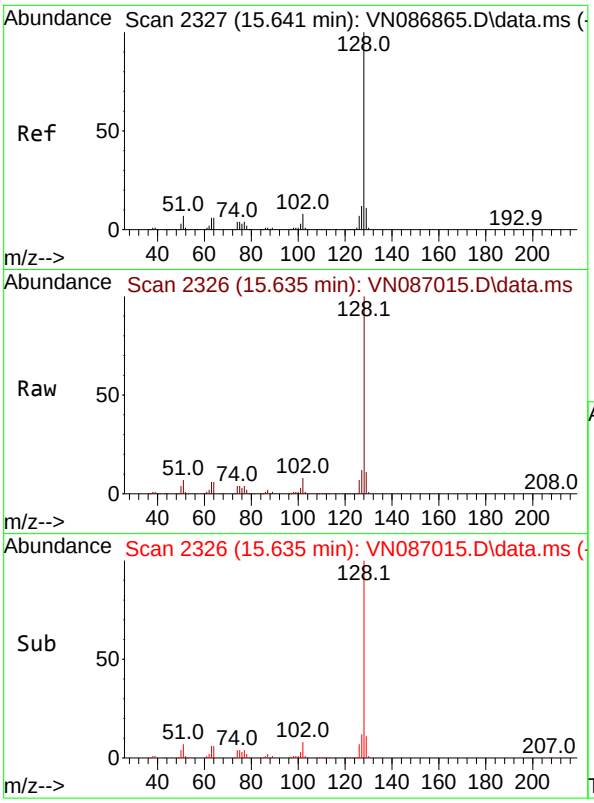


#94
Hexachlorobutadiene
Concen: 38.372 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:225 Resp: 41240

Ion	Ratio	Lower	Upper
225	100		
223	65.4	33.5	100.4
227	62.0	31.1	93.5

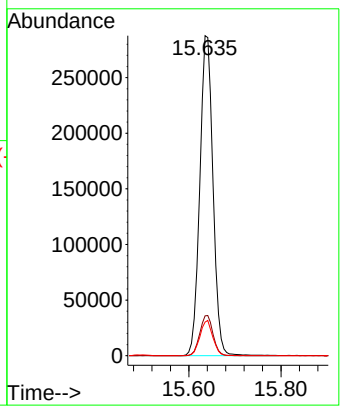




#95
Naphthalene
Concen: 53.465 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:128 Resp: 57406

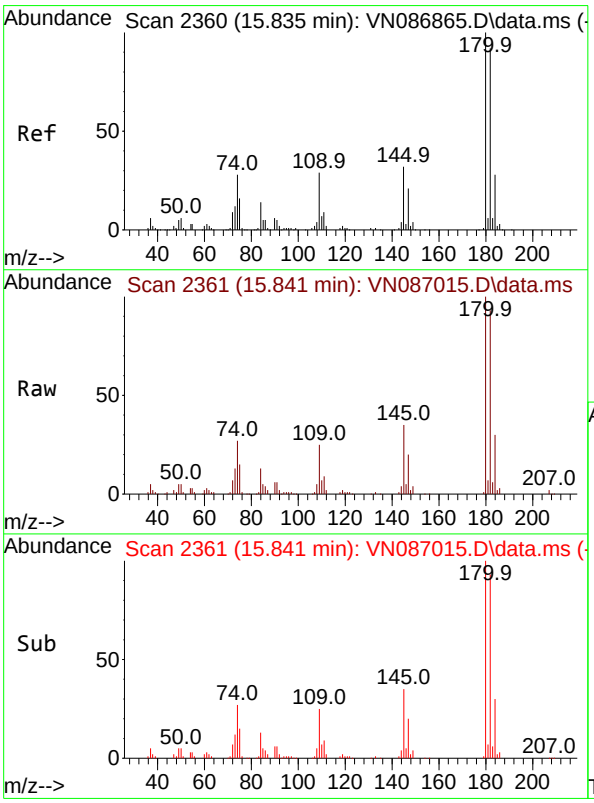
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.7	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

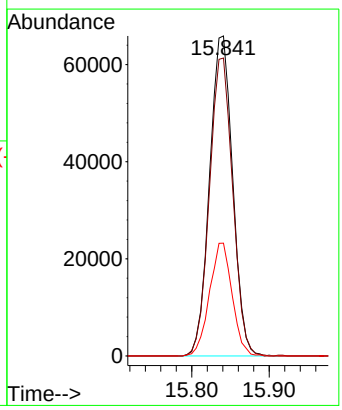
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 47.556 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:180 Resp: 136299

Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.0	141.0
145	34.6	16.6	49.8



Sample Results: **VN087015.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087015.D
Acq On : 13 Jun 2025 20:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 14 00:35:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	85	0.00
2	T	Dichlorodifluoromethane	0.499	0.579	-16.0	99	0.00
3	P	Chloromethane	0.644	0.652	-1.2	93	0.00
4	C	Vinyl Chloride	0.664	0.821	-23.6#	109	0.00
5	T	Bromomethane	0.372	0.219	41.1#	52	0.00
6	T	Chloroethane	0.429	0.518	-20.7	109	0.00
7	T	Trichlorofluoromethane	0.868	1.042	-20.0	107	0.00
8	T	Diethyl Ether	0.378	0.438	-15.9	103	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.545	0.617	-13.2	101	0.00
10	T	Methyl Iodide	0.707	0.401	43.3#	50	0.00
11	T	Tert butyl alcohol	0.182	0.190	-4.4	92	0.00
12	CM	1,1-Dichloroethene	0.557	0.668	-19.9#	107	0.01
13	T	Acrolein	0.057	0.021	63.2#	40#	0.00
14	T	Allyl chloride	0.923	0.932	-1.0	92	0.00
15	T	Acrylonitrile	0.425	0.458	-7.8	96	0.00
16	T	Acetone	0.355	0.350	1.4	93	0.00
17	T	Carbon Disulfide	1.539	2.017	-31.1#	121	0.01
18	T	Methyl Acetate	1.035	0.956	7.6	83	0.00
19	T	Methyl tert-butyl Ether	2.015	2.225	-10.4	98	0.00
20	T	Methylene Chloride	0.665	0.744	-11.9	105	0.00
21	T	trans-1,2-Dichloroethene	0.619	0.710	-14.7	107	0.00
22	T	Diisopropyl ether	1.945	2.083	-7.1	96	0.00
23	T	Vinyl Acetate	1.644	1.834	-11.6	98	0.00
24	P	1,1-Dichloroethane	1.120	1.263	-12.8	101	0.00
25	T	2-Butanone	0.577	0.590	-2.3	91	0.00
26	T	2,2-Dichloropropane	0.871	0.792	9.1	75	0.00
27	T	cis-1,2-Dichloroethene	0.740	0.836	-13.0	102	0.00
28	T	Bromochloromethane	0.550	0.588	-6.9	108	0.00
29	T	Tetrahydrofuran	0.376	0.390	-3.7	93	0.00
30	C	Chloroform	1.118	1.246	-11.4#	100	0.00
31	T	Cyclohexane	1.086	1.139	-4.9	97	0.00
32	T	1,1,1-Trichloroethane	0.951	1.053	-10.7	101	0.00
33	S	1,2-Dichloroethane-d4	0.669	0.681	-1.8	116	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	85	0.00
35	S	Dibromofluoromethane	0.296	0.323	-9.1	126	0.00
36	T	1,1-Dichloropropene	0.442	0.511	-15.6	104	0.00
37	T	Ethyl Acetate	0.562	0.596	-6.0	95	0.00
38	T	Carbon Tetrachloride	0.433	0.489	-12.9	102	0.00
39	T	Methylcyclohexane	0.605	0.611	-1.0	92	0.00
40	TM	Benzene	1.444	1.638	-13.4	104	0.00
41	T	Methacrylonitrile	0.316	0.333	-5.4	94	0.00
42	TM	1,2-Dichloroethane	0.438	0.485	-10.7	101	0.00
43	T	Isopropyl Acetate	0.902	0.928	-2.9	93	0.00
44	TM	Trichloroethene	0.342	0.397	-16.1	104	0.00
45	C	1,2-Dichloropropane	0.351	0.397	-13.1#	102	0.00
46	T	Dibromomethane	0.233	0.268	-15.0	103	0.00
47	T	Bromodichloromethane	0.480	0.538	-12.1	101	0.00
48	T	Methyl methacrylate	0.415	0.429	-3.4	93	0.00

Sample Results: **VN087015.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087015.D
Acq On : 13 Jun 2025 20:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 14 00:35:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.008	0.008	0.0	89	0.00
50	S	Toluene-d8	1.173	1.197	-2.0	119	0.00
51	T	4-Methyl-2-Pentanone	0.543	0.578	-6.4	92	0.00
52	CM	Toluene	0.882	1.010	-14.5#	103	0.00
53	T	t-1,3-Dichloropropene	0.537	0.584	-8.8	96	0.00
54	T	cis-1,3-Dichloropropene	0.574	0.634	-10.5	98	0.00
55	T	1,1,2-Trichloroethane	0.340	0.377	-10.9	100	0.00
56	T	Ethyl methacrylate	0.541	0.644	-19.0	99	0.00
57	T	1,3-Dichloropropane	0.589	0.664	-12.7	101	0.00
58	T	2-Chloroethyl Vinyl ether	0.323	0.360	-11.5	112	0.00
59	T	2-Hexanone	0.350	0.392	-12.0	91	0.00
60	T	Dibromochloromethane	0.354	0.408	-15.3	103	0.00
61	T	1,2-Dibromoethane	0.348	0.400	-14.9	104	0.00
62	S	4-Bromofluorobenzene	0.436	0.460	-5.5	121	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
64	T	Tetrachloroethene	0.316	0.387	-22.5	114	0.00
65	PM	Chlorobenzene	1.103	1.233	-11.8	104	0.00
66	T	1,1,1,2-Tetrachloroethane	0.354	0.391	-10.5	100	0.00
67	C	Ethyl Benzene	1.899	2.095	-10.3#	101	0.00
68	T	m/p-Xylenes	0.727	0.827	-13.8	102	0.00
69	T	o-Xylene	0.696	0.790	-13.5	101	0.00
70	T	Styrene	1.192	1.365	-14.5	101	0.00
71	P	Bromoform	0.263	0.300	-14.1	98	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	85	0.00
73	T	Isopropylbenzene	3.643	3.855	-5.8	96	0.00
74	T	N-amyl acetate	1.273	1.330	-4.5	90	0.00
75	P	1,1,2,2-Tetrachloroethane	1.234	1.365	-10.6	99	0.00
76	T	1,2,3-Trichloropropane	1.189	1.143	3.9	83	0.00
77	T	Bromobenzene	0.835	0.939	-12.5	101	0.00
78	T	n-propylbenzene	4.427	4.598	-3.9	93	0.00
79	T	2-Chlorotoluene	2.655	2.835	-6.8	97	0.00
80	T	1,3,5-Trimethylbenzene	3.007	3.164	-5.2	93	0.00
81	T	trans-1,4-Dichloro-2-butene	0.516	0.395	23.4	71	0.00
82	T	4-Chlorotoluene	2.686	2.906	-8.2	98	0.00
83	T	tert-Butylbenzene	2.753	2.813	-2.2	92	0.00
84	T	1,2,4-Trimethylbenzene	3.016	3.260	-8.1	96	0.00
85	T	sec-Butylbenzene	3.998	3.909	2.2	87	0.00
86	T	p-Isopropyltoluene	3.305	3.286	0.6	88	0.00
87	T	1,3-Dichlorobenzene	1.644	1.779	-8.2	98	0.00
88	T	1,4-Dichlorobenzene	1.676	1.813	-8.2	98	0.00
89	T	n-Butylbenzene	3.201	2.959	7.6	83	0.00
90	T	Hexachloroethane	0.560	0.477	14.8	76	0.00
91	T	1,2-Dichlorobenzene	1.579	1.724	-9.2	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.295	0.304	-3.1	95	0.00
93	T	1,2,4-Trichlorobenzene	1.008	0.986	2.2	87	0.00
94	T	Hexachlorobutadiene	0.376	0.288	23.4	68	0.00
95	T	Naphthalene	3.753	4.013	-6.9	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087015.D
Acq On : 13 Jun 2025 20:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 14 00:35:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.002	0.953	4.9	86	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VN087015.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087015.D
Acq On : 13 Jun 2025 20:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 14 00:35:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	85	0.00
2	T	Dichlorodifluoromethane	50.000	58.068	-16.1	99	0.00
3	P	Chloromethane	50.000	50.637	-1.3	93	0.00
4	C	Vinyl Chloride	50.000	61.785	-23.6#	109	0.00
5	T	Bromomethane	50.000	29.510	41.0#	52	0.00
6	T	Chloroethane	50.000	60.424	-20.8	109	0.00
7	T	Trichlorofluoromethane	50.000	60.050	-20.1	107	0.00
8	T	Diethyl Ether	50.000	57.964	-15.9	103	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	56.615	-13.2	101	0.00
10	T	Methyl Iodide	50.000	28.340	43.3#	50	0.00
11	T	Tert butyl alcohol	250.000	261.110	-4.4	92	0.00
12	CM	1,1-Dichloroethene	50.000	60.004	-20.0#	107	0.01
13	T	Acrolein	250.000	93.443	62.6#	40	0.00
14	T	Allyl chloride	50.000	50.500	-1.0	92	0.00
15	T	Acrylonitrile	250.000	269.483	-7.8	96	0.00
16	T	Acetone	250.000	246.315	1.5	93	0.00
17	T	Carbon Disulfide	50.000	65.513	-31.0#	121	0.01
18	T	Methyl Acetate	50.000	46.208	7.6	83	0.00
19	T	Methyl tert-butyl Ether	50.000	55.219	-10.4	98	0.00
20	T	Methylene Chloride	50.000	55.971	-11.9	105	0.00
21	T	trans-1,2-Dichloroethene	50.000	57.334	-14.7	107	0.00
22	T	Diisopropyl ether	50.000	53.539	-7.1	96	0.00
23	T	Vinyl Acetate	250.000	278.900	-11.6	98	0.00
24	P	1,1-Dichloroethane	50.000	56.425	-12.8	101	0.00
25	T	2-Butanone	250.000	255.393	-2.2	91	0.00
26	T	2,2-Dichloropropane	50.000	45.477	9.0	75	0.00
27	T	cis-1,2-Dichloroethene	50.000	56.434	-12.9	102	0.00
28	T	Bromochloromethane	50.000	53.447	-6.9	108	0.00
29	T	Tetrahydrofuran	250.000	259.039	-3.6	93	0.00
30	C	Chloroform	50.000	55.720	-11.4#	100	0.00
31	T	Cyclohexane	50.000	52.445	-4.9	97	0.00
32	T	1,1,1-Trichloroethane	50.000	55.388	-10.8	101	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.832	-1.7	116	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	85	0.00
35	S	Dibromofluoromethane	50.000	54.504	-9.0	126	0.00
36	T	1,1-Dichloropropene	50.000	57.829	-15.7	104	0.00
37	T	Ethyl Acetate	50.000	52.994	-6.0	95	0.00
38	T	Carbon Tetrachloride	50.000	56.416	-12.8	102	0.00
39	T	Methylcyclohexane	50.000	50.543	-1.1	92	0.00
40	TM	Benzene	50.000	56.727	-13.5	104	0.00
41	T	Methacrylonitrile	50.000	52.745	-5.5	94	0.00
42	TM	1,2-Dichloroethane	50.000	55.319	-10.6	101	0.00
43	T	Isopropyl Acetate	50.000	51.413	-2.8	93	0.00
44	TM	Trichloroethene	50.000	58.013	-16.0	104	0.00
45	C	1,2-Dichloropropane	50.000	56.539	-13.1#	102	0.00
46	T	Dibromomethane	50.000	57.352	-14.7	103	0.00
47	T	Bromodichloromethane	50.000	56.051	-12.1	101	0.00
48	T	Methyl methacrylate	50.000	51.701	-3.4	93	0.00

Sample Results: **VN087015.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087015.D
Acq On : 13 Jun 2025 20:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 14 00:35:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1080.544	-8.1	89	0.00
50	S	Toluene-d8	50.000	51.025	-2.0	119	0.00
51	T	4-Methyl-2-Pentanone	250.000	266.296	-6.5	92	0.00
52	CM	Toluene	50.000	57.220	-14.4#	103	0.00
53	T	t-1,3-Dichloropropene	50.000	54.355	-8.7	96	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.209	-10.4	98	0.00
55	T	1,1,2-Trichloroethane	50.000	55.567	-11.1	100	0.00
56	T	Ethyl methacrylate	50.000	59.518	-19.0	99	0.00
57	T	1,3-Dichloropropane	50.000	56.341	-12.7	101	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	278.815	-11.5	112	0.00
59	T	2-Hexanone	250.000	279.908	-12.0	91	0.00
60	T	Dibromochloromethane	50.000	57.629	-15.3	103	0.00
61	T	1,2-Dibromoethane	50.000	57.456	-14.9	104	0.00
62	S	4-Bromofluorobenzene	50.000	52.808	-5.6	121	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	86	0.00
64	T	Tetrachloroethene	50.000	61.148	-22.3	114	0.00
65	PM	Chlorobenzene	50.000	55.910	-11.8	104	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	55.207	-10.4	100	0.00
67	C	Ethyl Benzene	50.000	55.151	-10.3#	101	0.00
68	T	m/p-Xylenes	100.000	113.745	-13.7	102	0.00
69	T	o-Xylene	50.000	56.733	-13.5	101	0.00
70	T	Styrene	50.000	57.257	-14.5	101	0.00
71	P	Bromoform	50.000	57.160	-14.3	98	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	85	0.00
73	T	Isopropylbenzene	50.000	52.915	-5.8	96	0.00
74	T	N-amyl acetate	50.000	52.247	-4.5	90	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	55.290	-10.6	99	0.00
76	T	1,2,3-Trichloropropane	50.000	48.082	3.8	83	0.00
77	T	Bromobenzene	50.000	56.217	-12.4	101	0.00
78	T	n-propylbenzene	50.000	51.930	-3.9	93	0.00
79	T	2-Chlorotoluene	50.000	53.388	-6.8	97	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.608	-5.2	93	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	38.297	23.4	71	0.00
82	T	4-Chlorotoluene	50.000	54.095	-8.2	98	0.00
83	T	tert-Butylbenzene	50.000	51.101	-2.2	92	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.055	-8.1	96	0.00
85	T	sec-Butylbenzene	50.000	48.896	2.2	87	0.00
86	T	p-Isopropyltoluene	50.000	49.723	0.6	88	0.00
87	T	1,3-Dichlorobenzene	50.000	54.127	-8.3	98	0.00
88	T	1,4-Dichlorobenzene	50.000	54.093	-8.2	98	0.00
89	T	n-Butylbenzene	50.000	46.215	7.6	83	0.00
90	T	Hexachloroethane	50.000	42.577	14.8	76	0.00
91	T	1,2-Dichlorobenzene	50.000	54.592	-9.2	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.477	-3.0	95	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.896	2.2	87	0.00
94	T	Hexachlorobutadiene	50.000	38.372	23.3	68	0.00
95	T	Naphthalene	50.000	53.465	-6.9	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087015.D
Acq On : 13 Jun 2025 20:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 14 00:35:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	47.556	4.9	86	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY022695.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: TETR06

Lab Code: CHEM Case No.: Q2314 SAS No.: Q2314 SDG No.: Q2314

Instrument ID: MSVOA_Y Calibration Date/Time: 06/16/2025 08:31

Lab File ID: VY022695.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	1.322	1.300	0.1	-1.66	20
Vinyl Chloride	1.534	1.652		7.69	20
Bromomethane	1.470	1.280		-12.93	20
Chloroethane	1.053	1.092		3.7	20
Trichlorofluoromethane	1.302	1.349		3.61	20
1,1,2-Trichlorotrifluoroethane	0.549	0.554		0.91	20
1,1-Dichloroethene	0.524	0.538		2.67	20
Acetone	0.114	0.137		20.17	20
Carbon Disulfide	1.679	1.608		-4.23	20
Methyl tert-butyl Ether	1.477	1.479		0.14	20
Methylene Chloride	0.645	0.604		-6.36	20
trans-1,2-Dichloroethene	0.587	0.600		2.21	20
1,1-Dichloroethane	1.079	1.150	0.1	6.58	20
2-Butanone	0.164	0.176		7.32	20
Carbon Tetrachloride	0.497	0.538		8.25	20
cis-1,2-Dichloroethene	0.678	0.713		5.16	20
Chloroform	1.069	1.145		7.11	20
1,1,1-Trichloroethane	0.949	1.020		7.48	20
Methylcyclohexane	0.651	0.660		1.38	20
Benzene	1.431	1.539		7.55	20
1,2-Dichloroethane	0.391	0.418		6.91	20
Trichloroethene	0.350	0.380		8.57	20
1,2-Dichloropropane	0.338	0.369		9.17	20
Bromodichloromethane	0.482	0.541		12.24	20
4-Methyl-2-Pentanone	0.233	0.241		3.43	20
Toluene	0.899	0.961		6.9	20
t-1,3-Dichloropropene	0.452	0.480		6.2	20
cis-1,3-Dichloropropene	0.526	0.570		8.36	20
1,1,2-Trichloroethane	0.243	0.255		4.94	20
2-Hexanone	0.156	0.165		5.77	20
Dibromochloromethane	0.308	0.331		7.47	20
Tetrachloroethene	0.430	0.509		18.37	20
Chlorobenzene	1.106	1.172	0.3	5.97	20
Ethyl Benzene	2.052	2.207		7.55	20
m/p-Xylenes	0.778	0.838		7.71	20
o-Xylene	0.729	0.778		6.72	20
Styrene	1.206	1.301		7.88	20
Bromoform	0.198	0.210	0.1	6.06	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: **VY022695.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2314 SAS No.: Q2314 SDG No.: Q2314

Instrument ID: MSVOA_Y Calibration Date/Time: 06/16/2025 08:31

Lab File ID: VY022695.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	4.105	4.397		7.11	20
1,1,2,2-Tetrachloroethane	0.674	0.664	0.3	-1.48	20
1,3-Dichlorobenzene	1.755	1.897		8.09	20
1,4-Dichlorobenzene	1.702	1.810		6.34	20
1,2-Dichlorobenzene	1.490	1.586		6.44	20
1,2-Dichloroethane-d4	0.559	0.567		1.43	20
Dibromofluoromethane	0.298	0.316		6.04	20
Toluene-d8	1.206	1.267		5.06	20
4-Bromofluorobenzene	0.359	0.372		3.62	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\VY061625\
Data File : VY022695.D
Acq On : 16 Jun 2025 08:31
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Jun 17 05:49:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	174388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	289069	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	247096	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	115228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	98919	50.716	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.440%			
35) Dibromofluoromethane	7.640	113	91453	53.004	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.000%			
50) Toluene-d8	10.109	98	366240	52.532	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.060%			
62) 4-Bromofluorobenzene	12.407	95	107571	51.786	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	69519	44.527	ug/l	97
3) Chloromethane	2.068	50	226633	49.135	ug/l	97
4) Vinyl Chloride	2.208	62	288044	53.832	ug/l	99
5) Bromomethane	2.598	94	223301	43.541	ug/l	100
6) Chloroethane	2.738	64	190430	51.850	ug/l	93
7) Trichlorofluoromethane	3.055	101	235260	51.791	ug/l	98
8) Diethyl Ether	3.458	74	51708	50.546	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.817	101	96666	50.527	ug/l	99
10) Methyl Iodide	4.006	142	106575	51.476	ug/l	99
11) Tert butyl alcohol	4.872	59	34023	244.231	ug/l #	73
12) 1,1-Dichloroethene	3.793	96	93902	51.348	ug/l	97
13) Acrolein	3.659	56	23352	134.507	ug/l	100
14) Allyl chloride	4.390	41	145540	50.695	ug/l	100
15) Acrylonitrile	5.067	53	110892	255.955	ug/l	99
16) Acetone	3.878	43	119485	301.650	ug/l	98
17) Carbon Disulfide	4.110	76	280330	47.880	ug/l	98
18) Methyl Acetate	4.390	43	56786	48.412	ug/l	98
19) Methyl tert-butyl Ether	5.128	73	257915	50.072	ug/l	96
20) Methylene Chloride	4.622	84	105279	46.790	ug/l	97
21) trans-1,2-Dichloroethene	5.128	96	104665	51.138	ug/l	98
22) Diisopropyl ether	6.024	45	328550	51.414	ug/l	99
23) Vinyl Acetate	5.969	43	939392	248.368	ug/l	100
24) 1,1-Dichloroethane	5.921	63	200472	53.252	ug/l	99
25) 2-Butanone	6.902	43	153107	267.970	ug/l	98
26) 2,2-Dichloropropane	6.896	77	184026	55.325	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	124259	52.525	ug/l	97
28) Bromochloromethane	7.256	49	81221	49.494	ug/l	98
29) Tetrahydrofuran	7.268	42	89610	243.169	ug/l	100
30) Chloroform	7.427	83	199747	53.568	ug/l	96
31) Cyclohexane	7.707	56	175269	46.765	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	177894	53.742	ug/l	100
36) 1,1-Dichloropropene	7.841	75	148488	53.025	ug/l	99
37) Ethyl Acetate	6.994	43	61433	49.193	ug/l	98
38) Carbon Tetrachloride	7.823	117	155538	54.143	ug/l	96
39) Methylcyclohexane	9.115	83	190922	50.734	ug/l	98
40) Benzene	8.085	78	444852	53.785	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022695.D
Acq On : 16 Jun 2025 08:31
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 17 05:49:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	35934m	49.263	ug/l		
42) 1,2-Dichloroethane	8.164	62	120862	53.518	ug/l		98
43) Isopropyl Acetate	8.201	43	136175	50.490	ug/l		99
44) Trichloroethene	8.871	130	109923	54.378	ug/l		94
45) 1,2-Dichloropropane	9.146	63	106699	54.586	ug/l		100
46) Dibromomethane	9.237	93	56327	51.221	ug/l		97
47) Bromodichloromethane	9.426	83	156346	56.070	ug/l		97
48) Methyl methacrylate	9.225	41	61103	48.272	ug/l		97
49) 1,4-Dioxane	9.237	88	12416	953.015	ug/l		96
51) 4-Methyl-2-Pentanone	9.999	43	348299	259.021	ug/l		99
52) Toluene	10.176	92	277847	53.455	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	138667	53.075	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	164783	54.182	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	73841	52.659	ug/l		96
56) Ethyl methacrylate	10.444	69	103924	51.277	ug/l		98
57) 1,3-Dichloropropane	10.719	76	131996	53.110	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	257969	280.349	ug/l		99
59) 2-Hexanone	10.761	43	239036	265.800	ug/l		99
60) Dibromochloromethane	10.914	129	95700	53.703	ug/l		99
61) 1,2-Dibromoethane	11.017	107	68002	53.207	ug/l		95
64) Tetrachloroethene	10.652	164	125705	59.140	ug/l		98
65) Chlorobenzene	11.444	112	289700	52.982	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	98730	53.599	ug/l		99
67) Ethyl Benzene	11.523	91	545428	53.780	ug/l		97
68) m/p-Xylenes	11.633	106	414254	107.748	ug/l		100
69) o-Xylene	11.956	106	192134	53.302	ug/l		100
70) Styrene	11.968	104	321446	53.948	ug/l		99
71) Bromoform	12.133	173	51977	53.026	ug/l	#	99
73) Isopropylbenzene	12.255	105	506645	53.555	ug/l		99
74) N-amyl acetate	12.072	43	119948	50.251	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	76474	49.254	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	63452m	48.133	ug/l		
77) Bromobenzene	12.535	156	104365	52.278	ug/l		98
78) n-propylbenzene	12.596	91	623894	53.995	ug/l		99
79) 2-Chlorotoluene	12.682	91	327036	53.402	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	400018	53.859	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	25980	47.593	ug/l		98
82) 4-Chlorotoluene	12.779	91	340887	53.959	ug/l		100
83) tert-Butylbenzene	12.999	119	356717	53.513	ug/l		100
84) 1,2,4-Trimethylbenzene	13.041	105	400978	53.979	ug/l		99
85) sec-Butylbenzene	13.176	105	552081	54.077	ug/l		99
86) p-Isopropyltoluene	13.291	119	450726	53.561	ug/l		100
87) 1,3-Dichlorobenzene	13.291	146	218598	54.045	ug/l		98
88) 1,4-Dichlorobenzene	13.364	146	208563	53.164	ug/l		99
89) n-Butylbenzene	13.621	91	432928	54.225	ug/l		99
90) Hexachloroethane	13.883	117	90202	55.059	ug/l		98
91) 1,2-Dichlorobenzene	13.663	146	182696	53.200	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11774	52.084	ug/l		92
93) 1,2,4-Trichlorobenzene	14.919	180	96629	51.592	ug/l		98
94) Hexachlorobutadiene	15.023	225	53481	51.735	ug/l		97
95) Naphthalene	15.145	128	176934	49.227	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	81492	50.769	ug/l		99

Sample Results: **VY022695.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022695.D
Acq On : 16 Jun 2025 08:31
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 17 05:49:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

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

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

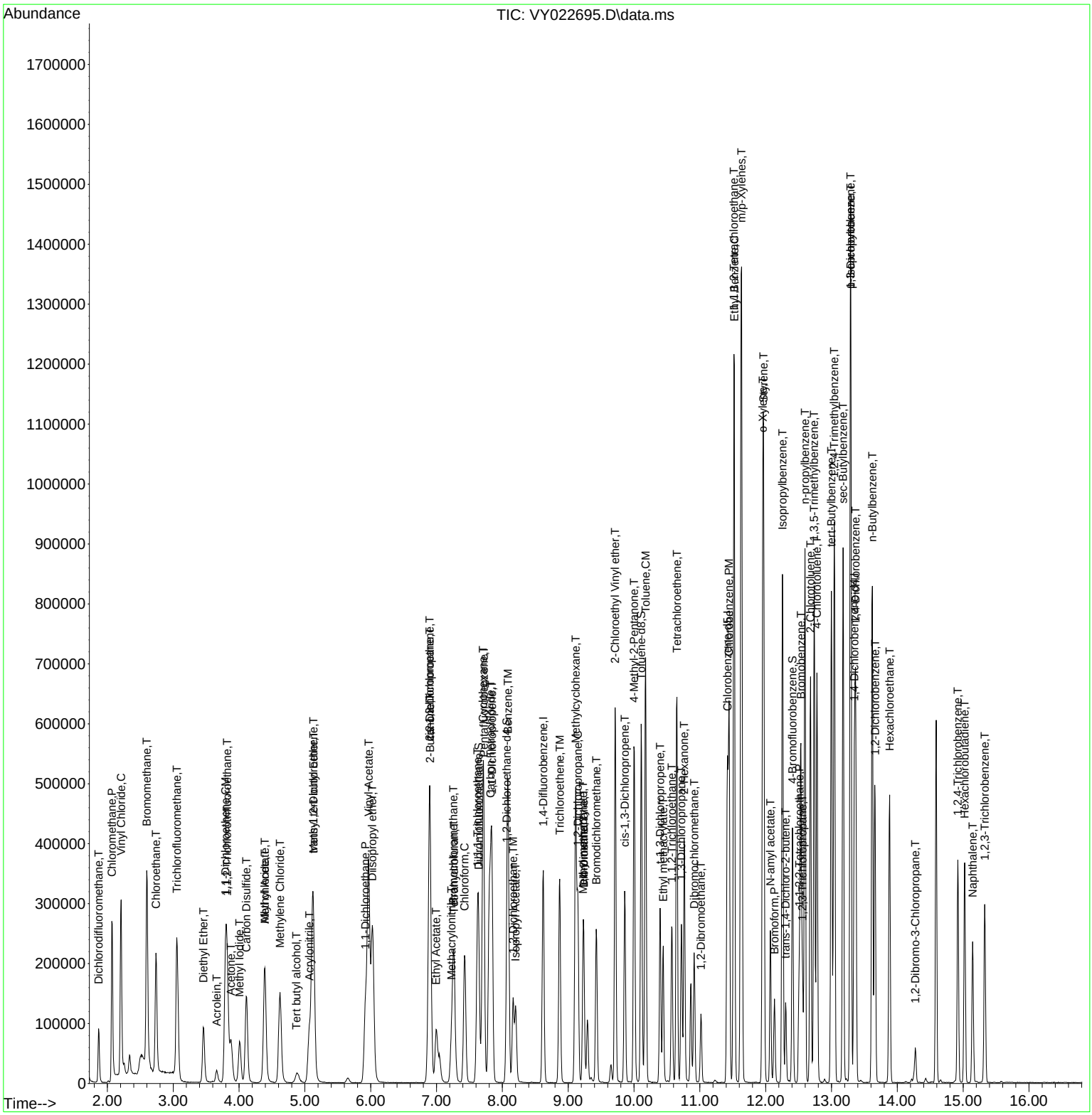
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022695.D
Acq On : 16 Jun 2025 08:31
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

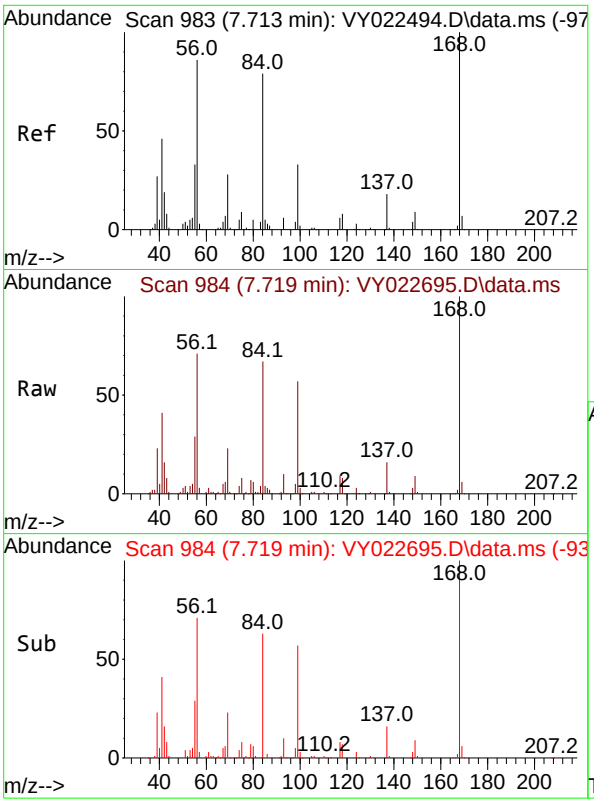
Quant Time: Jun 17 05:49:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

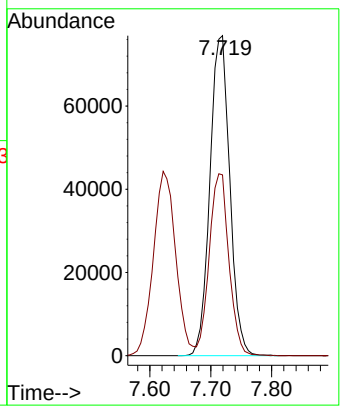




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:168 Resp: 17438

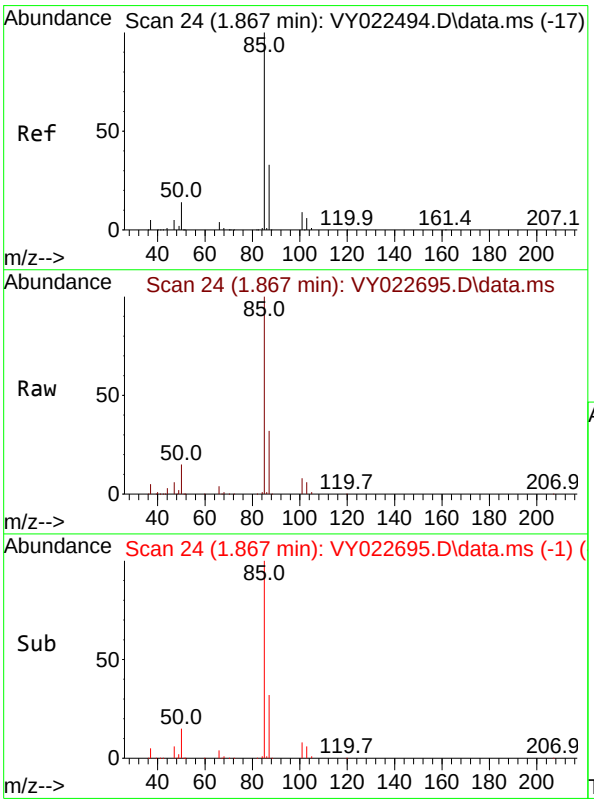
Ion	Ratio	Lower	Upper
168	100		
99	56.5	44.3	66.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

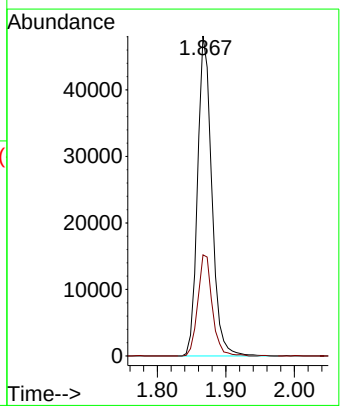
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

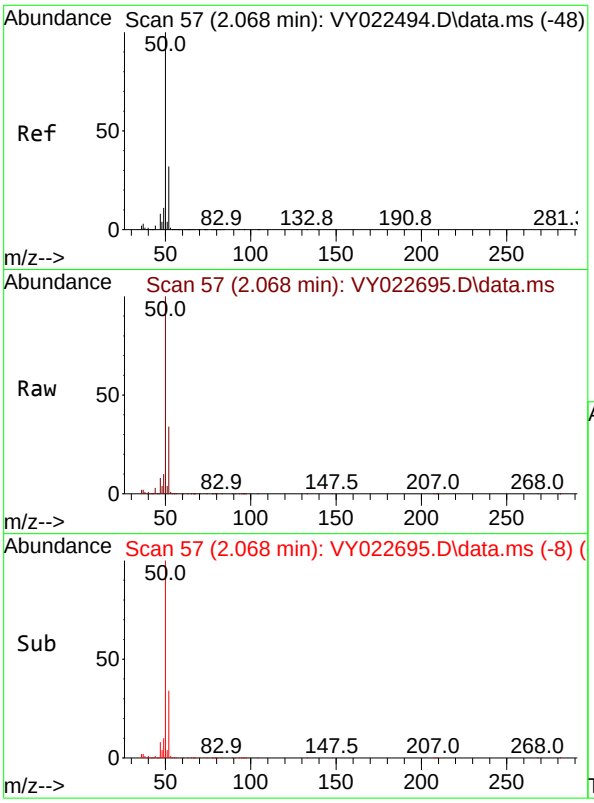


#2
Dichlorodifluoromethane
Concen: 44.527 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 85 Resp: 69519

Ion	Ratio	Lower	Upper
85	100		
87	31.6	16.7	50.0

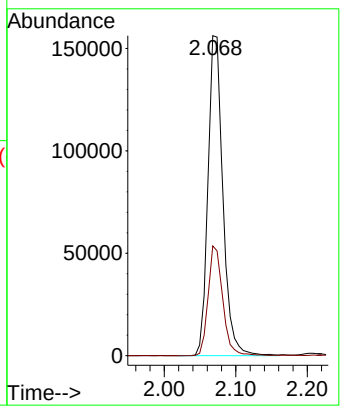




#3
Chloromethane
Concen: 49.135 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 50 Resp: 22663

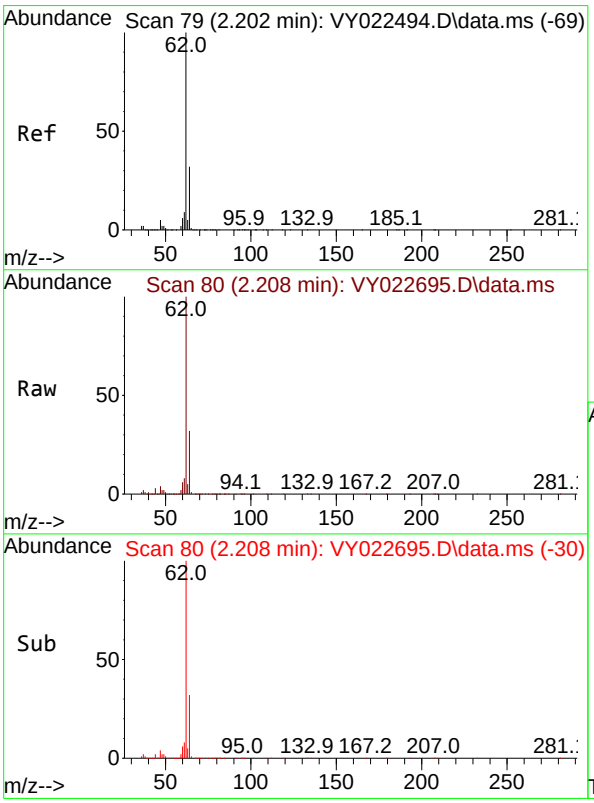
Ion	Ratio	Lower	Upper
50	100		
52	34.3	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

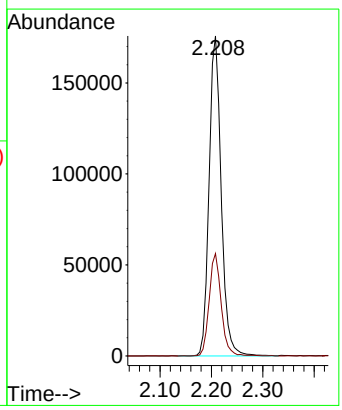
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

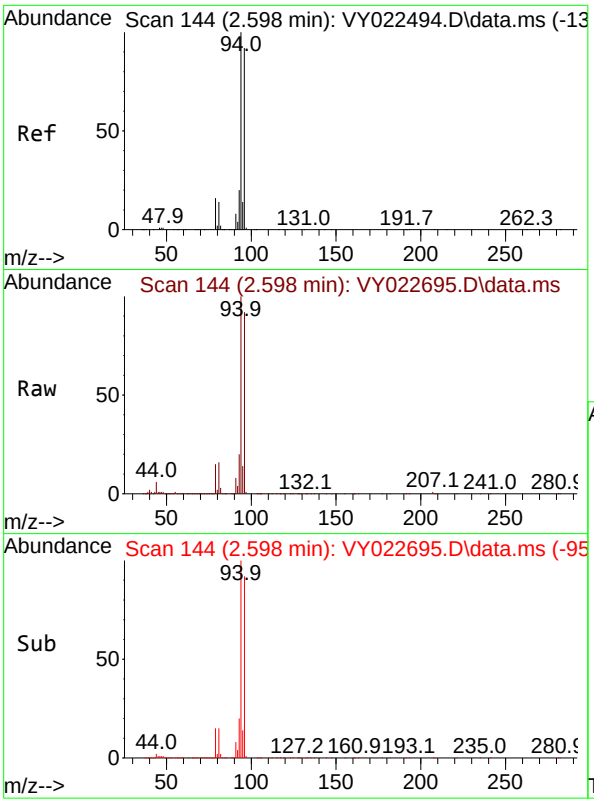


#4
Vinyl Chloride
Concen: 53.832 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 62 Resp: 288044

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.3	37.9

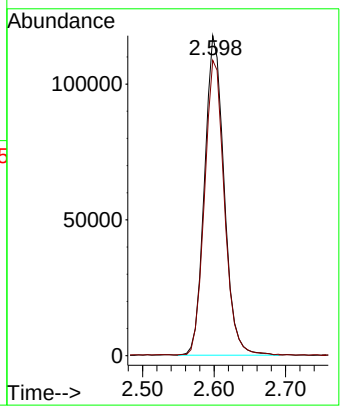




#5
Bromomethane
Concen: 43.541 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 94 Resp: 22330

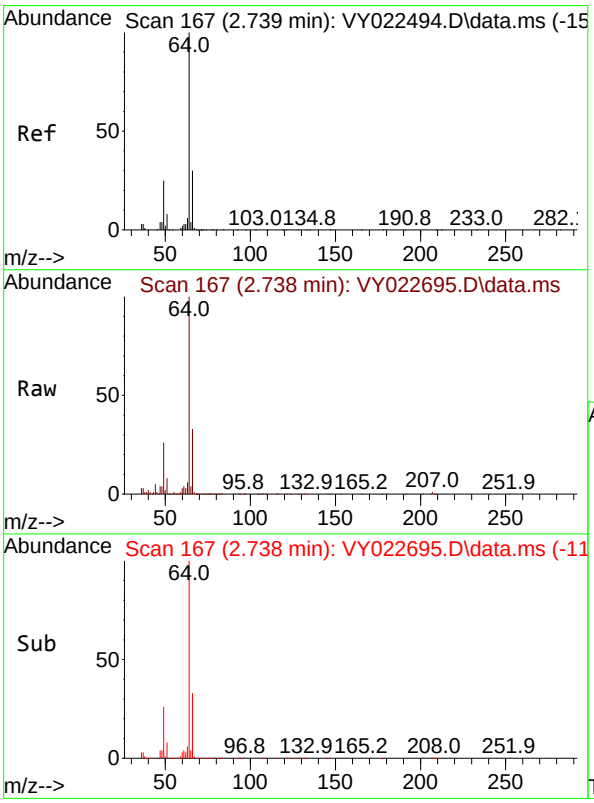
Ion	Ratio	Lower	Upper
94	100		
96	92.2	74.0	111.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

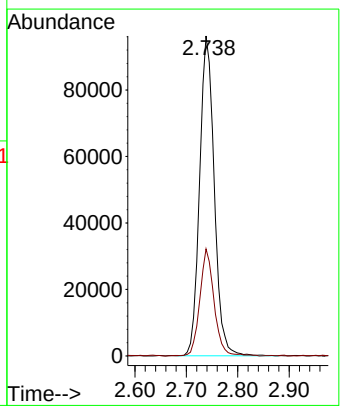
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

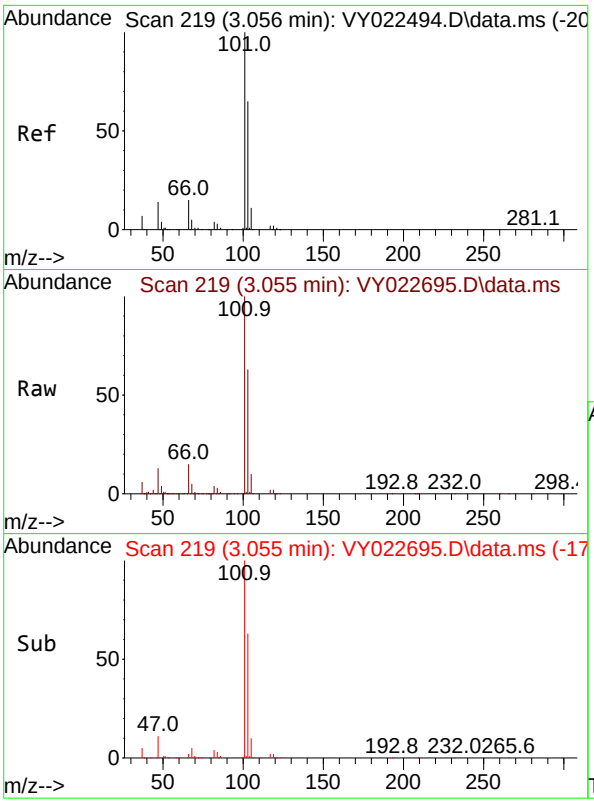


#6
Chloroethane
Concen: 51.850 ug/l
RT: 2.738 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 64 Resp: 190430

Ion	Ratio	Lower	Upper
64	100		
66	33.4	23.8	35.6





#7
Trichlorofluoromethane
Concen: 51.791 ug/l
RT: 3.055 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

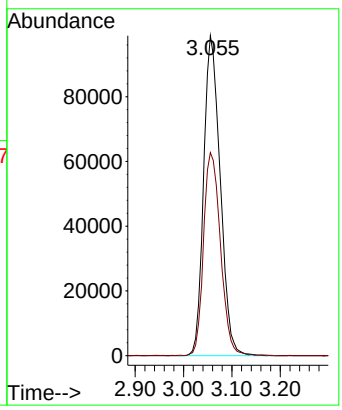
Tgt Ion:101 Resp: 23526

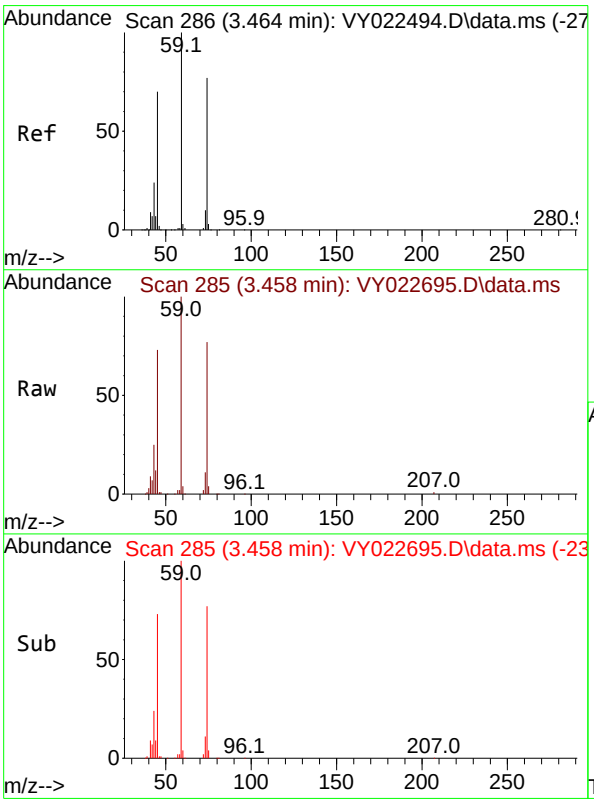
Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.2	78.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

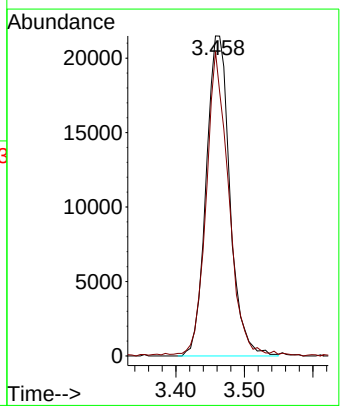


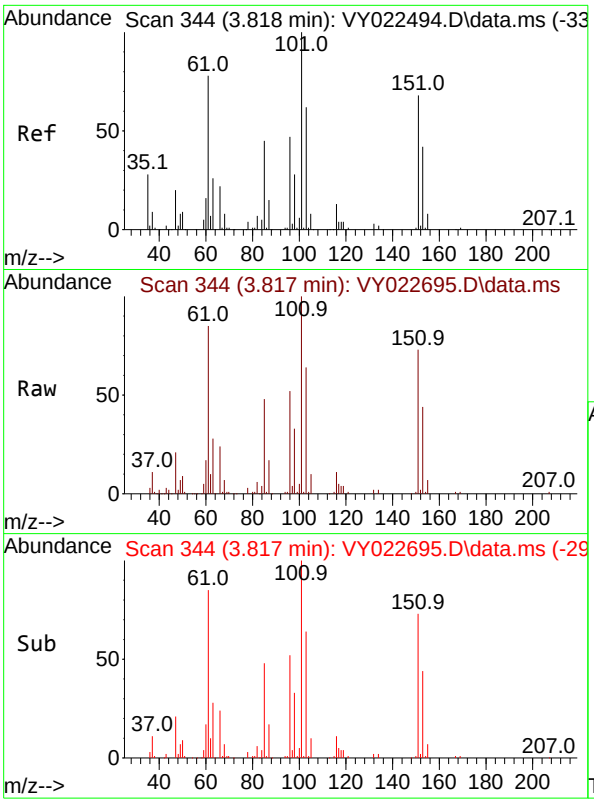


#8
Diethyl Ether
Concen: 50.546 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 74 Resp: 51708

Ion	Ratio	Lower	Upper
74	100		
45	88.0	45.9	137.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.527 ug/l
RT: 3.817 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

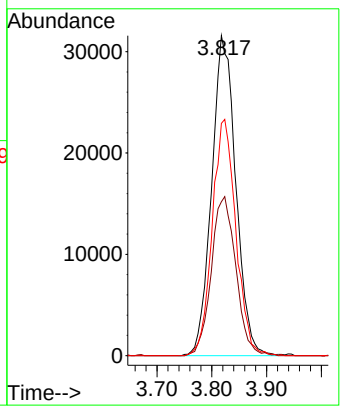
Tgt Ion:101 Resp: 9666

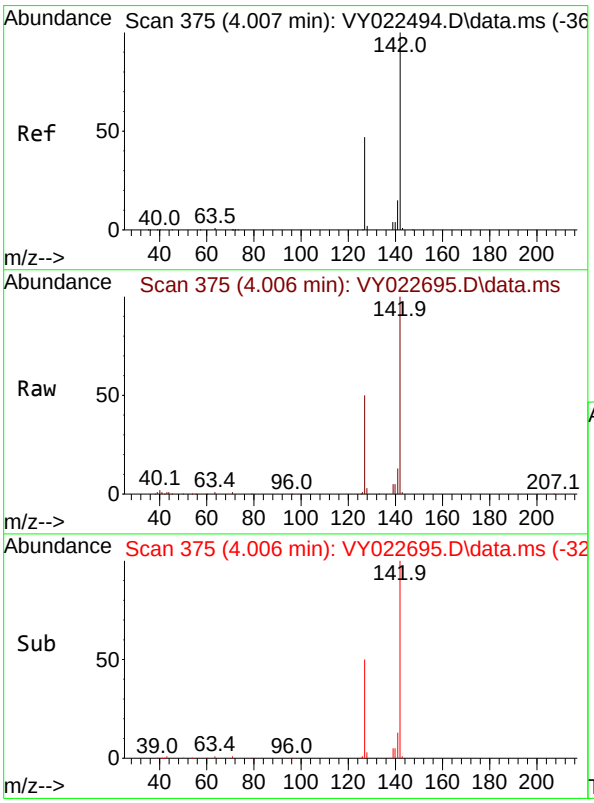
Ion	Ratio	Lower	Upper
101	100		
85	50.5	39.3	58.9
151	72.4	57.8	86.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

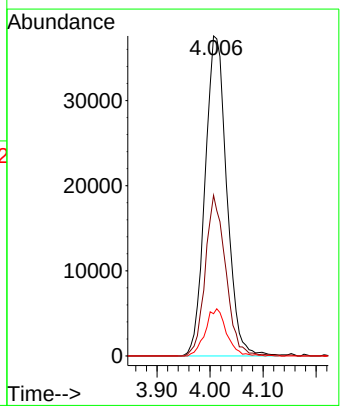


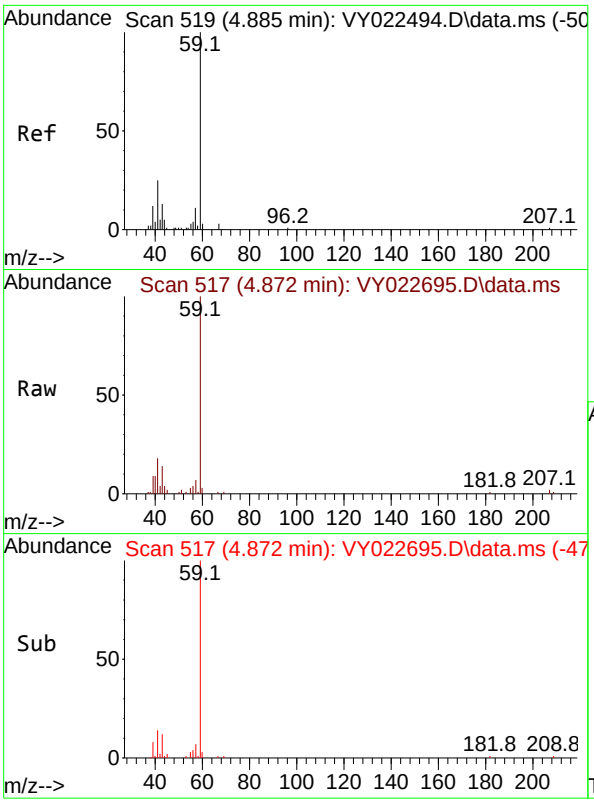


#10
Methyl Iodide
Concen: 51.476 ug/l
RT: 4.006 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:142 Resp: 106575

Ion	Ratio	Lower	Upper
142	100		
127	47.4	37.1	55.7
141	14.5	11.4	17.2





#11
Tert butyl alcohol
Concen: 244.231 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.013 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

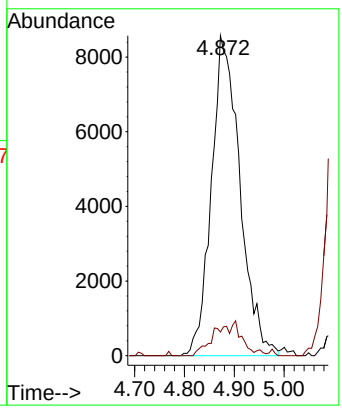
Tgt Ion: 59 Resp: 3402

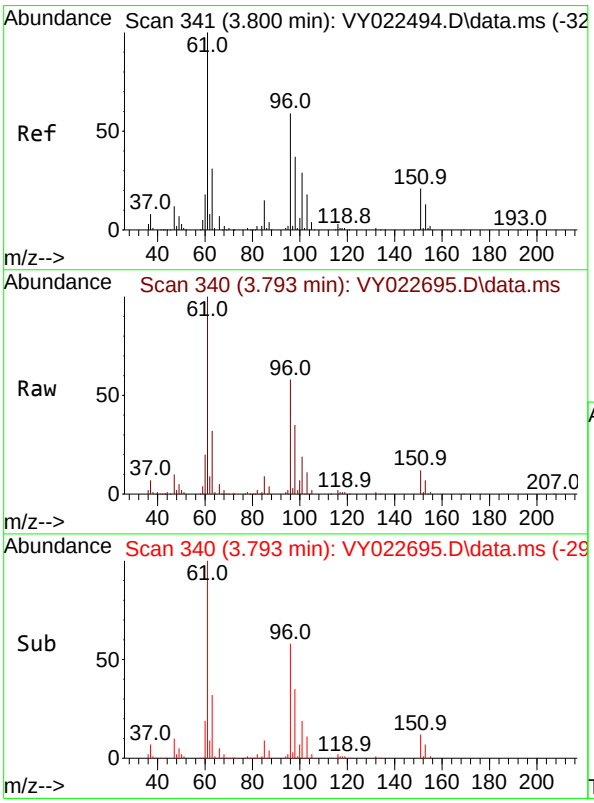
Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.0	12.0#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

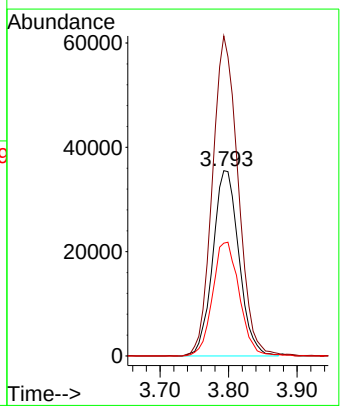


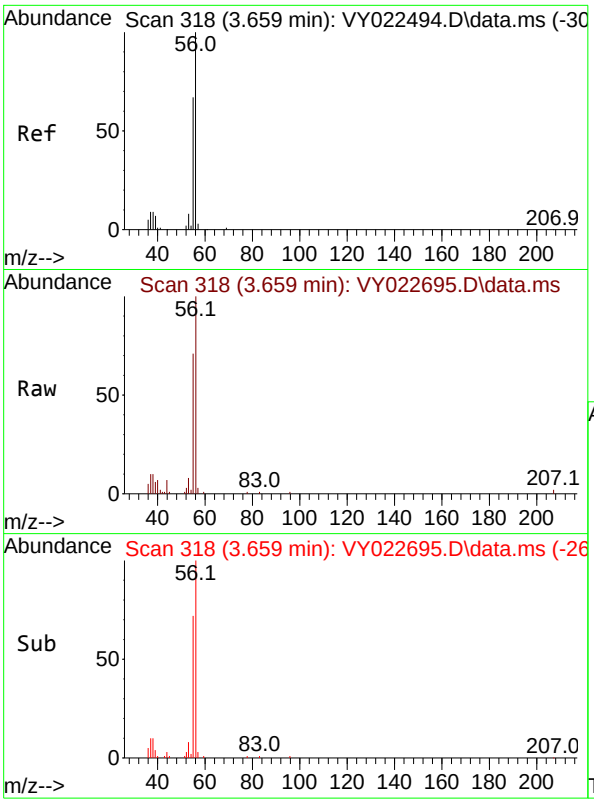


#12
1,1-Dichloroethene
Concen: 51.348 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 96 Resp: 93902

Ion	Ratio	Lower	Upper
96	100		
61	172.7	134.6	201.8
98	60.9	50.2	75.4





#13
Acrolein
Concen: 134.507 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

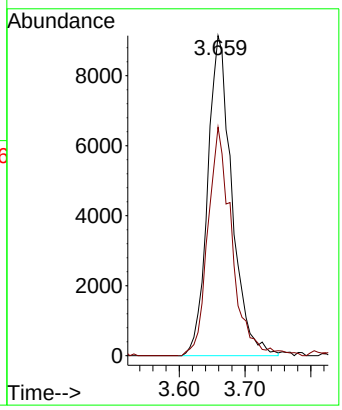
Tgt Ion: 56 Resp: 2335

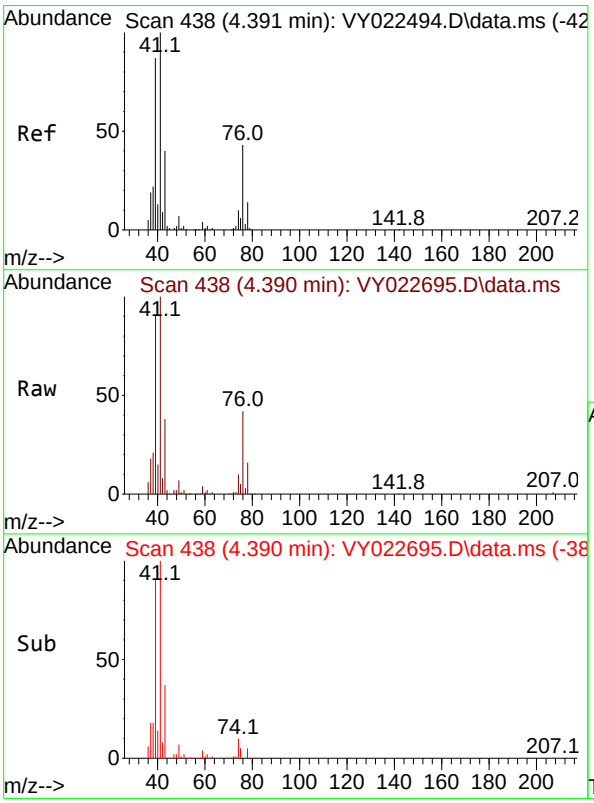
Ion	Ratio	Lower	Upper
56	100		
55	71.1	57.0	85.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

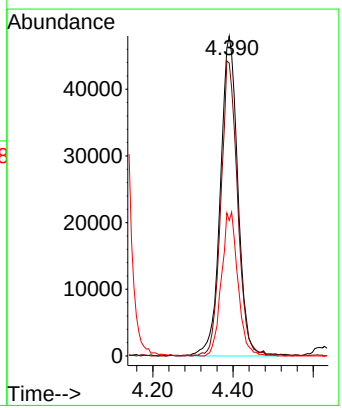


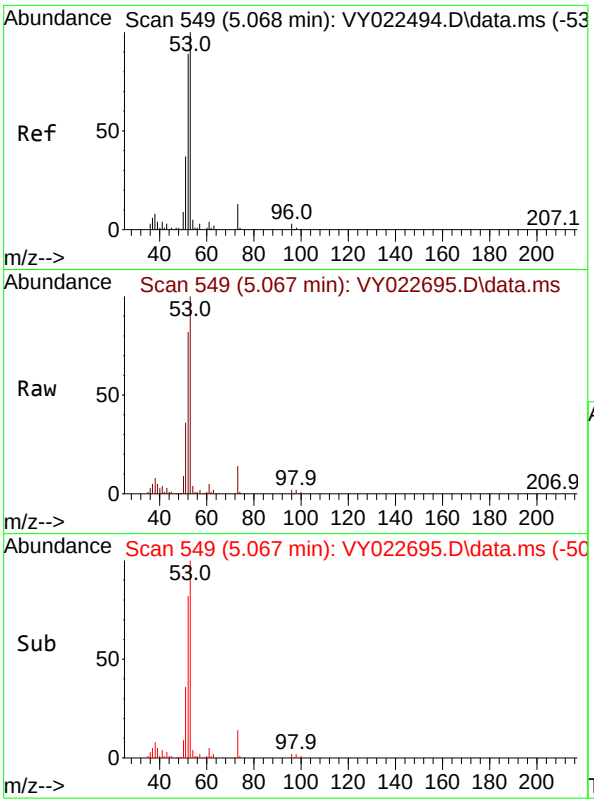


#14
Allyl chloride
Concen: 50.695 ug/l
RT: 4.390 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 41 Resp: 145540

Ion	Ratio	Lower	Upper
41	100		
39	86.9	69.1	103.7
76	42.1	33.5	50.3





#15
Acrylonitrile
Concen: 255.955 ug/l
RT: 5.067 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

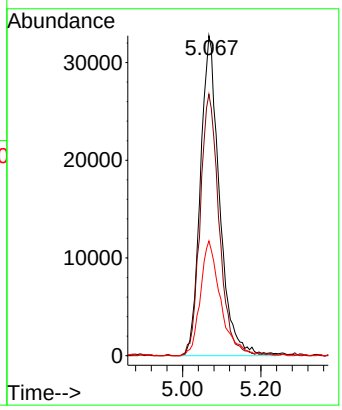
Tgt Ion: 53 Resp: 11089

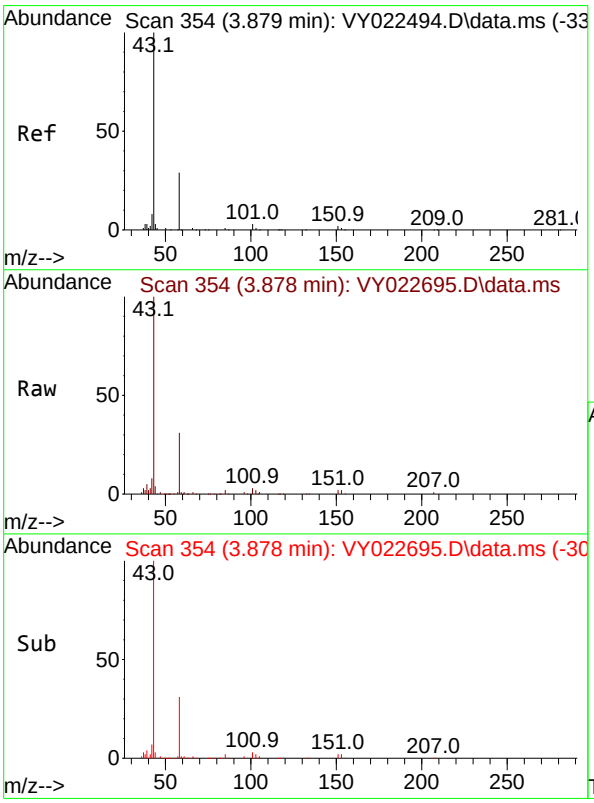
Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.7	98.5
51	38.3	30.1	45.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

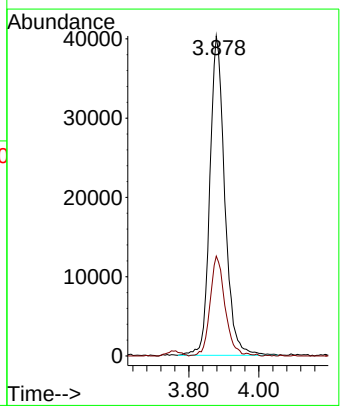


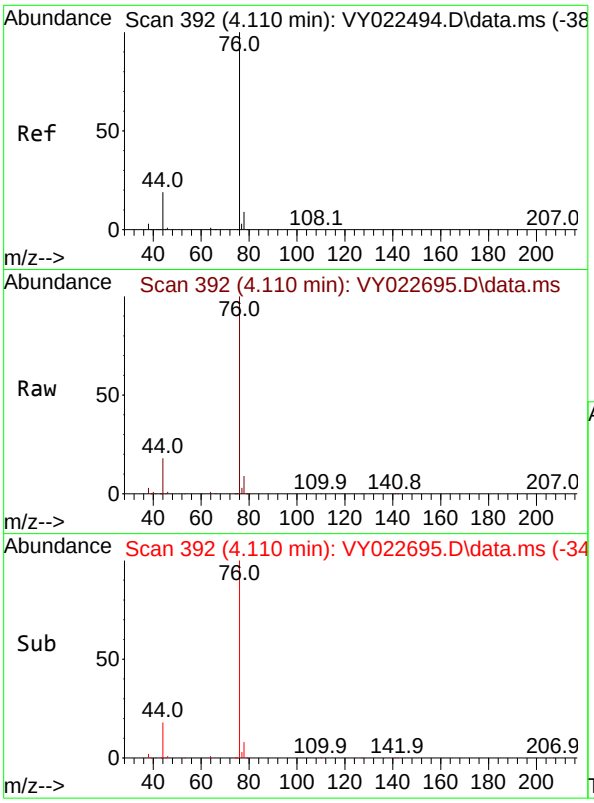


#16
Acetone
Concen: 301.650 ug/l
RT: 3.878 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 43 Resp: 119485

Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.0	36.0





#17
Carbon Disulfide
Concen: 47.880 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

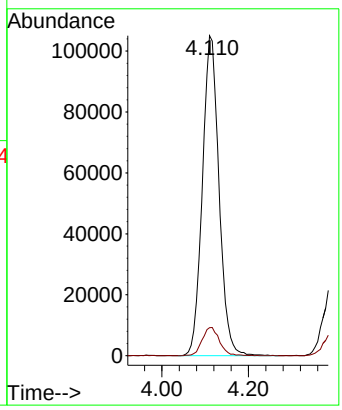
Tgt Ion: 76 Resp: 28033

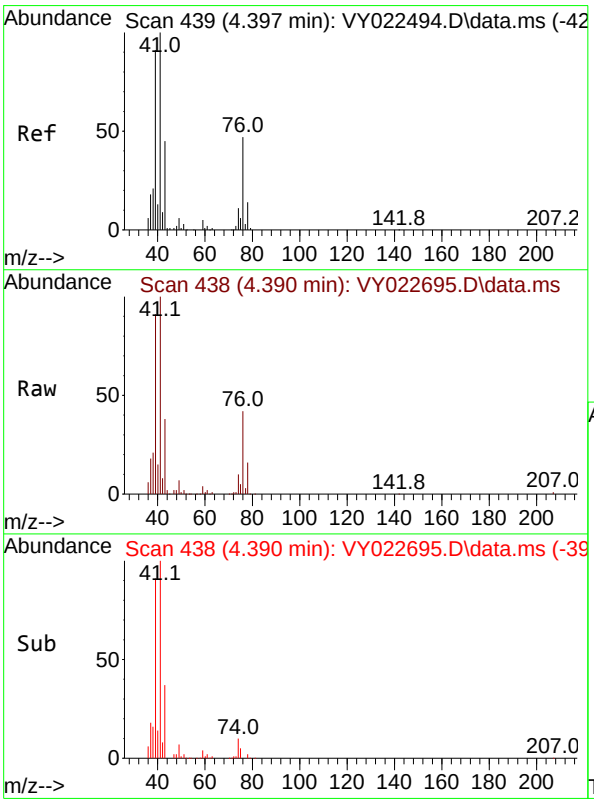
Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

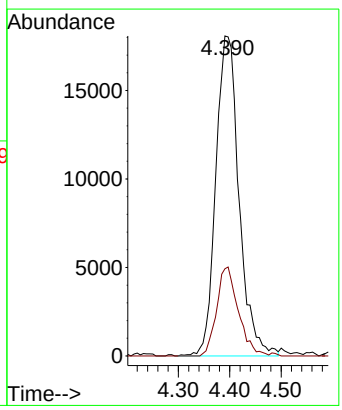


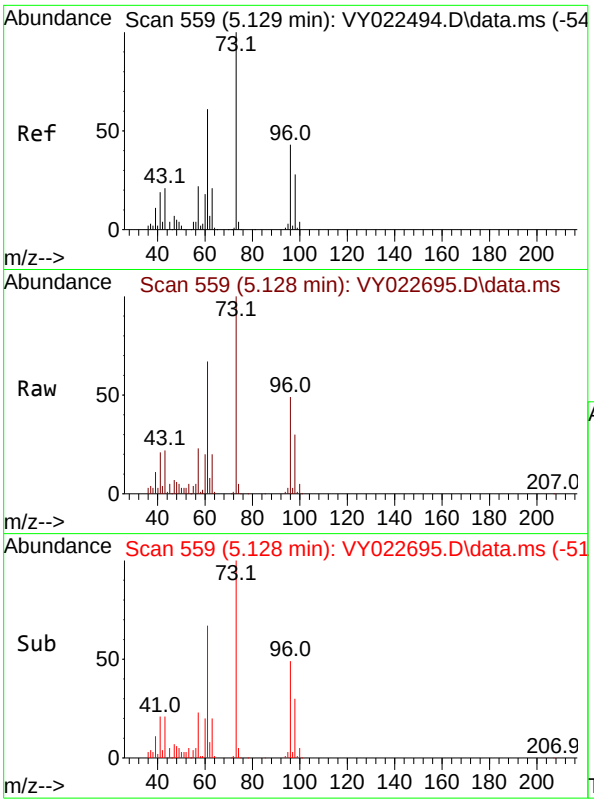


#18
Methyl Acetate
Concen: 48.412 ug/l
RT: 4.390 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 43 Resp: 56786

Ion	Ratio	Lower	Upper
43	100		
74	25.9	19.8	29.6





#19
Methyl tert-butyl Ether
Concen: 50.072 ug/l
RT: 5.128 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

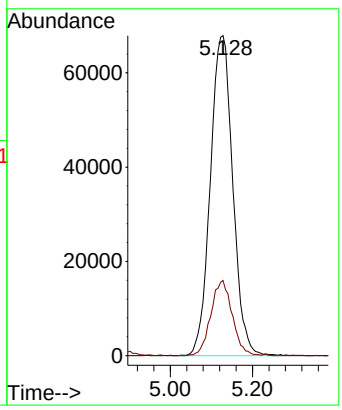
Tgt Ion: 73 Resp: 25791

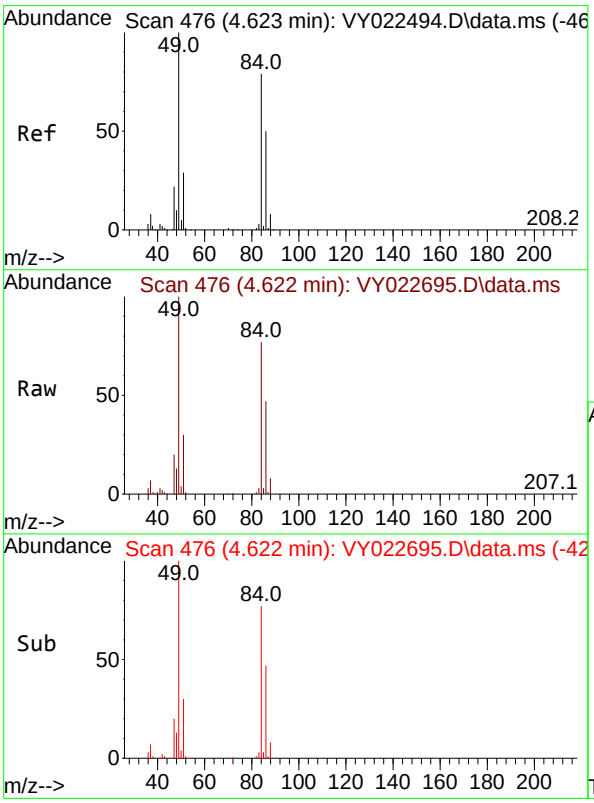
Ion	Ratio	Lower	Upper
73	100		
57	23.5	17.4	26.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

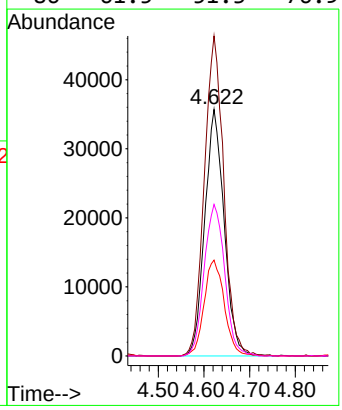


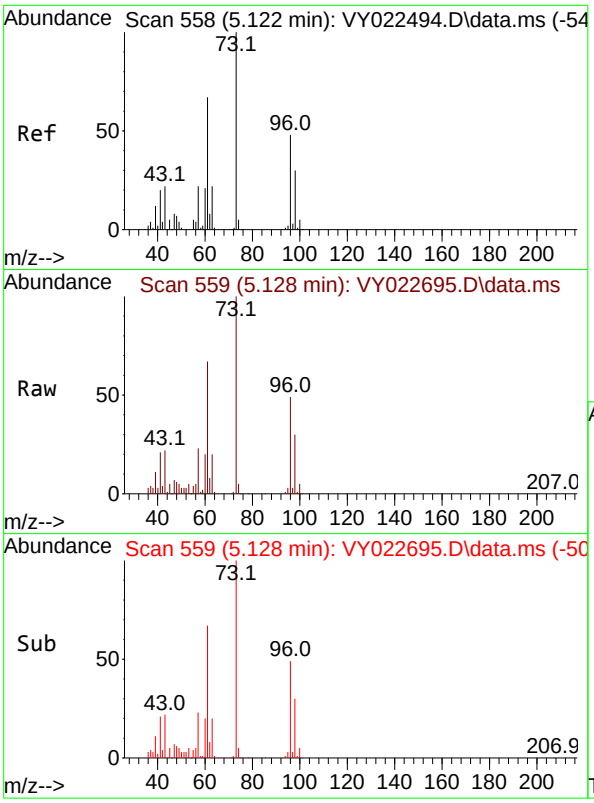


#20
Methylene Chloride
Concen: 46.790 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 84 Resp: 105279

Ion	Ratio	Lower	Upper
84	100		
49	129.7	101.9	152.9
51	38.9	29.8	44.8
86	61.5	51.3	76.9

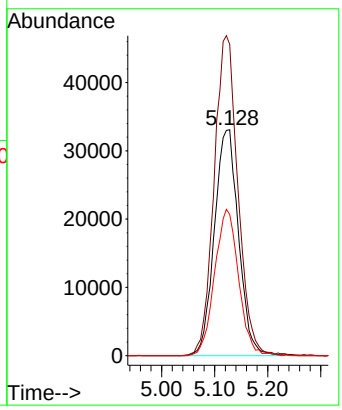




#21
trans-1,2-Dichloroethene
Concen: 51.138 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 96 Resp: 10466

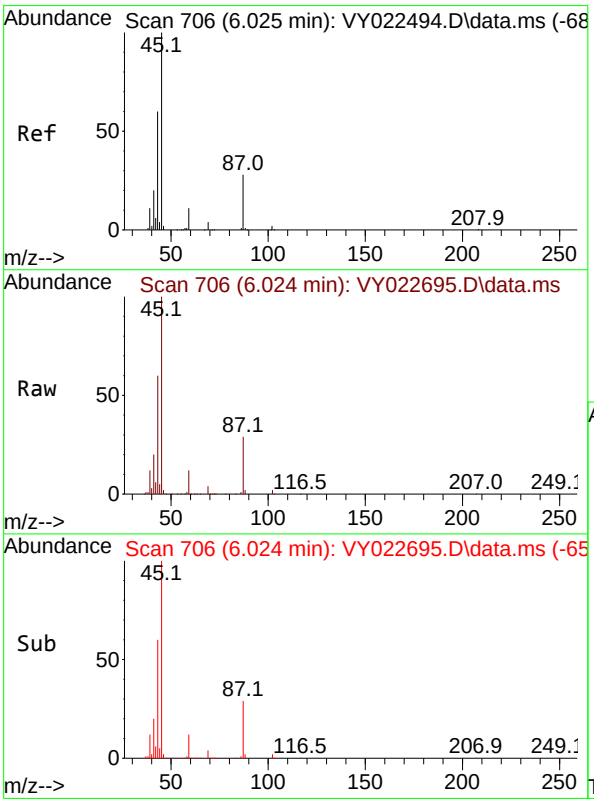
Ion	Ratio	Lower	Upper
96	100		
61	137.7	112.6	169.0
98	62.5	50.6	75.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

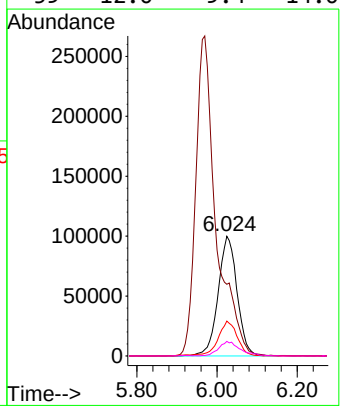
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

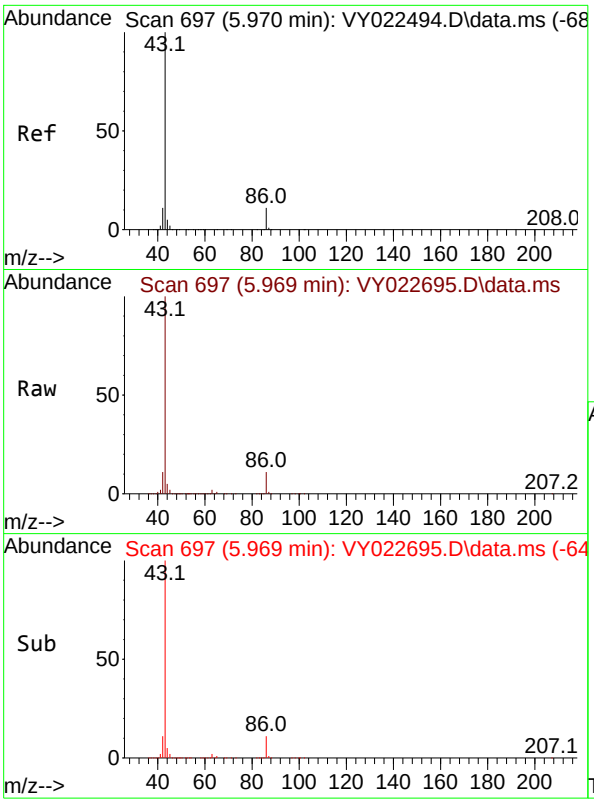


#22
Diisopropyl ether
Concen: 51.414 ug/l
RT: 6.024 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 45 Resp: 328550

Ion	Ratio	Lower	Upper
45	100		
43	59.6	48.3	72.5
87	29.1	23.0	34.6
59	12.0	9.4	14.0

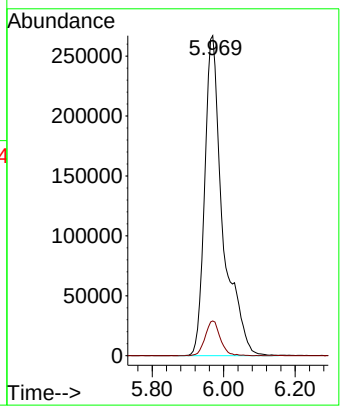




#23
Vinyl Acetate
Concen: 248.368 ug/l
RT: 5.969 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 43 Resp: 93939

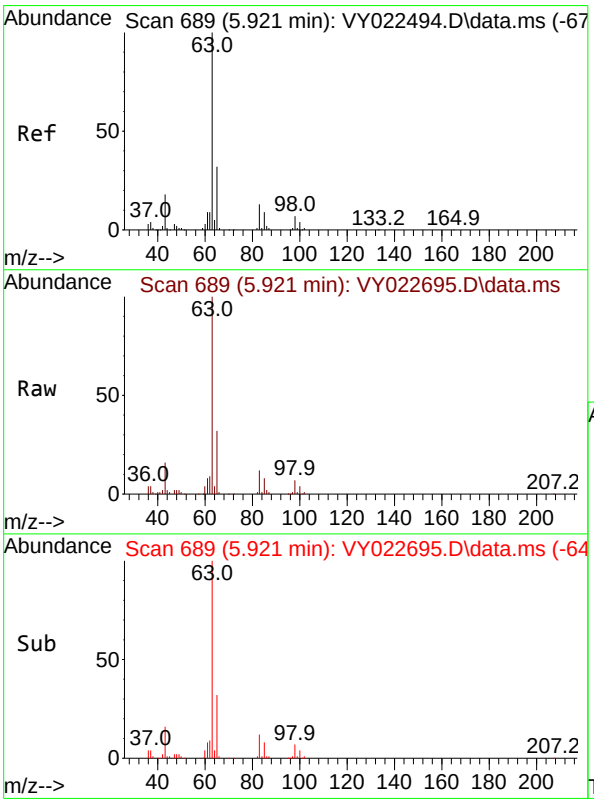
Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

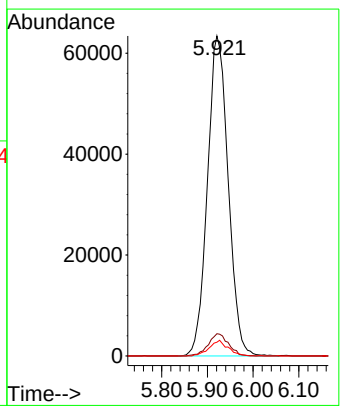
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

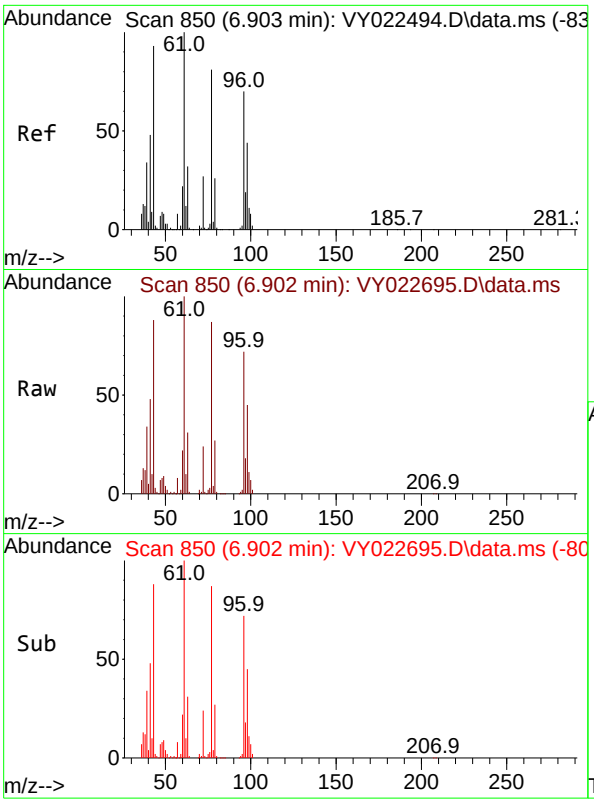


#24
1,1-Dichloroethane
Concen: 53.252 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 63 Resp: 200472

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.1
100	4.3	2.1	6.3





#25
2-Butanone
Concen: 267.970 ug/l
RT: 6.902 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

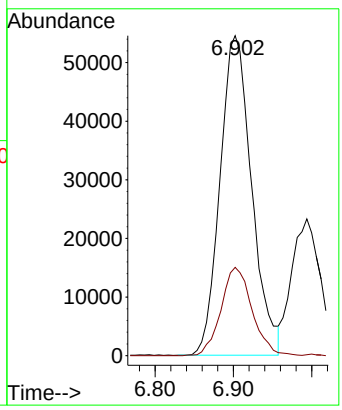
Tgt Ion: 43 Resp: 15310

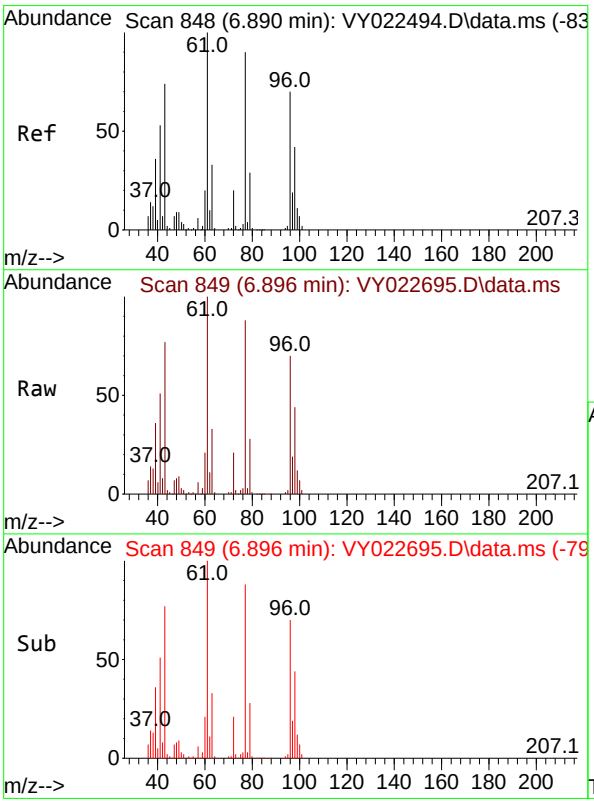
Ion	Ratio	Lower	Upper
43	100		
72	27.6	22.9	34.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

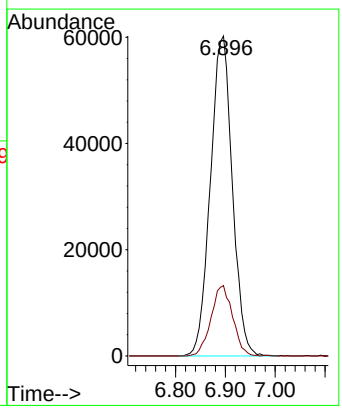


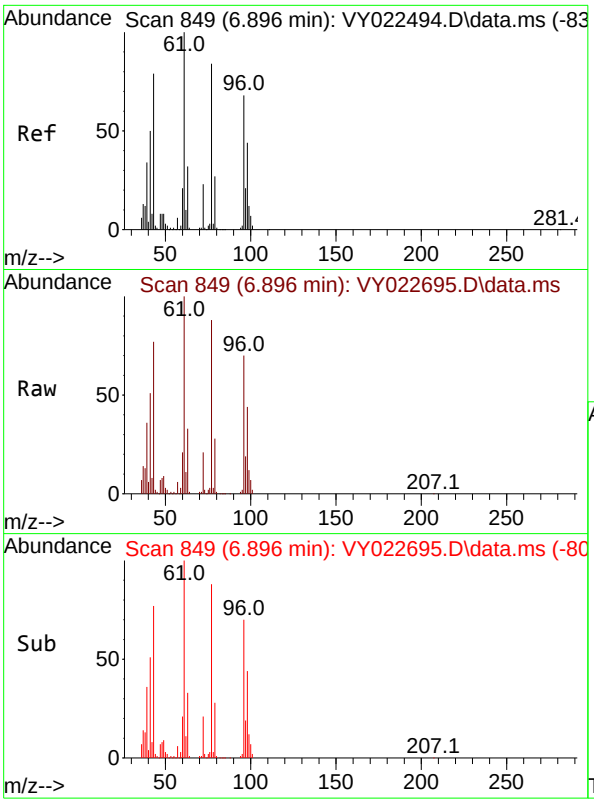


#26
2,2-Dichloropropane
Concen: 55.325 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 77 Resp: 184026

Ion	Ratio	Lower	Upper
77	100		
97	21.7	11.4	34.2

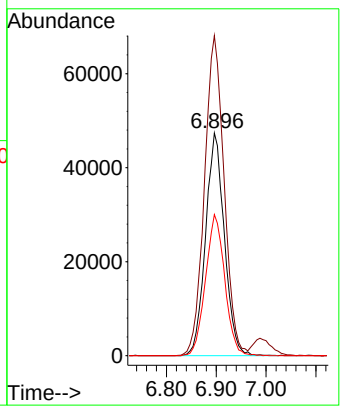




#27
cis-1,2-Dichloroethene
Concen: 52.525 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 96 Resp: 12425

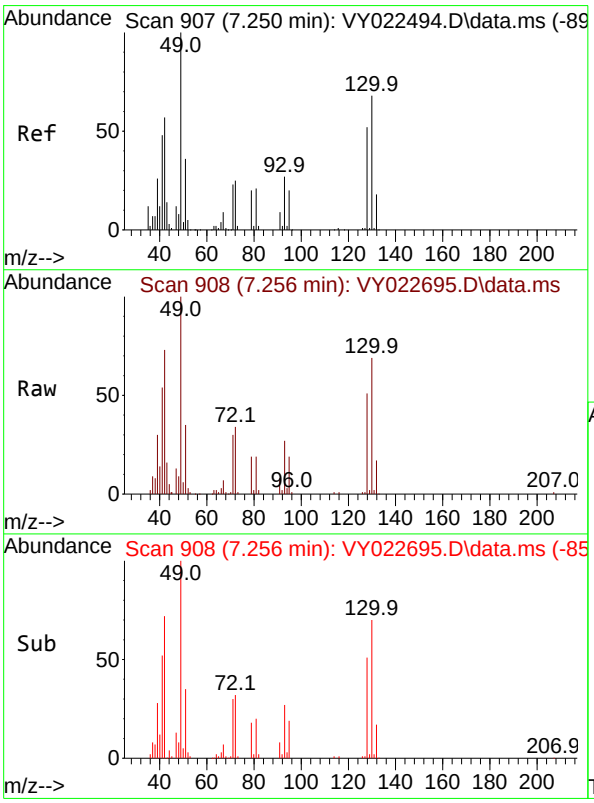
Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	290.0
98	64.8	0.0	128.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

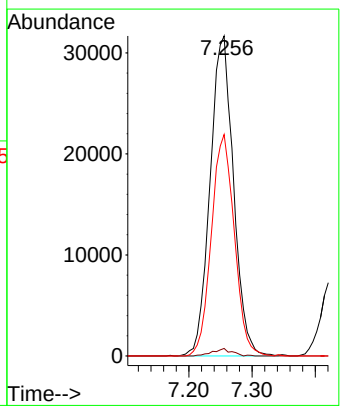
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

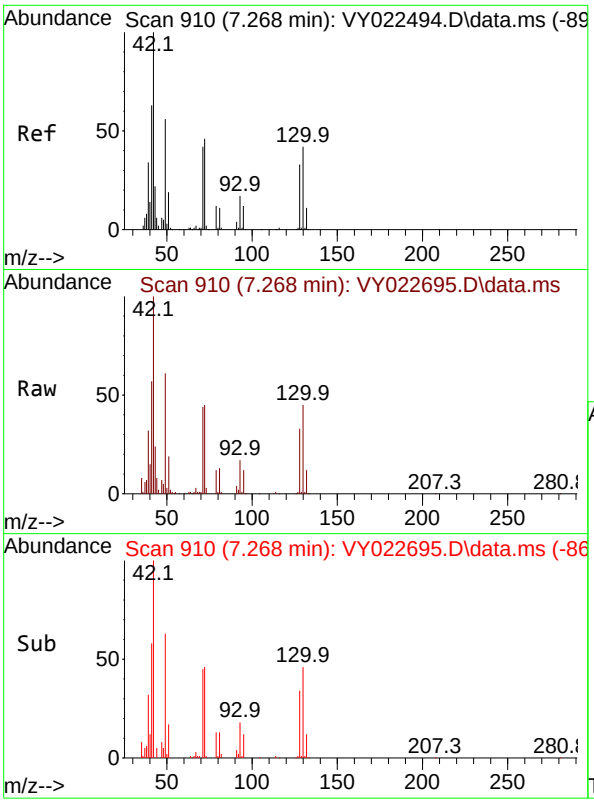


#28
Bromochloromethane
Concen: 49.494 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 49 Resp: 81221

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	68.0	55.7	83.5





#29
Tetrahydrofuran
Concen: 243.169 ug/l
RT: 7.268 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

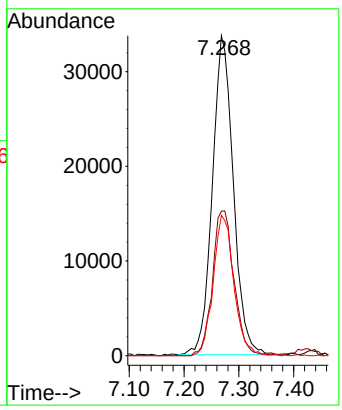
Tgt Ion: 42 Resp: 8961

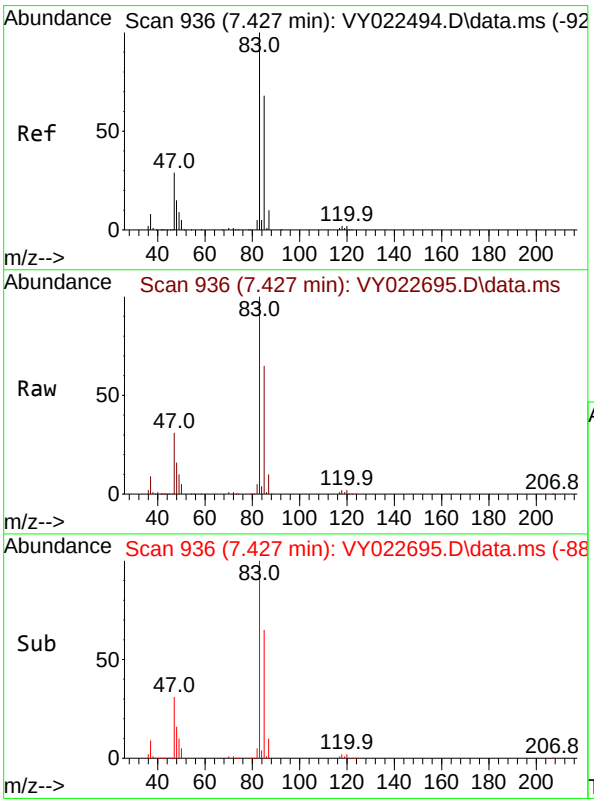
Ion	Ratio	Lower	Upper
42	100		
72	46.7	37.4	56.2
71	43.2	34.2	51.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

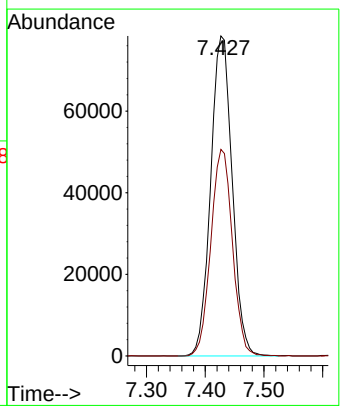


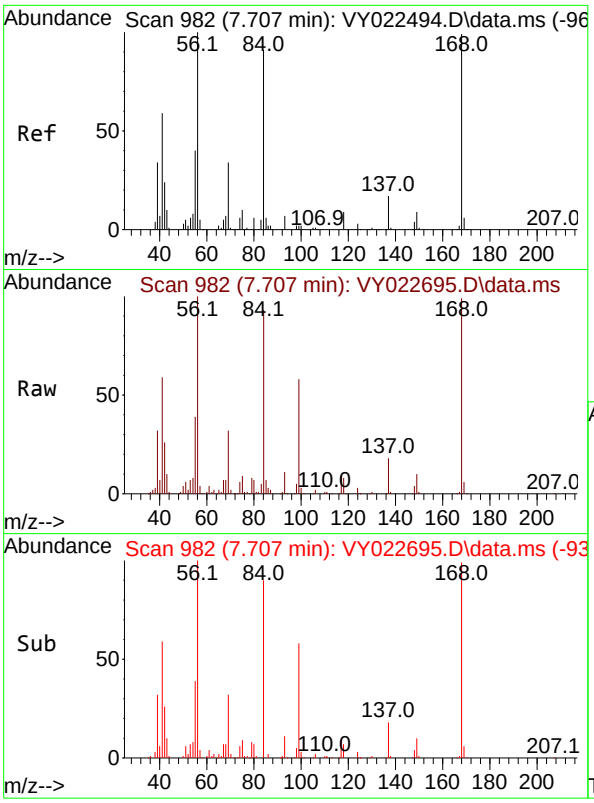


#30
Chloroform
Concen: 53.568 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 83 Resp: 199747

Ion	Ratio	Lower	Upper
83	100		
85	64.5	54.2	81.4





#31
Cyclohexane
Concen: 46.765 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

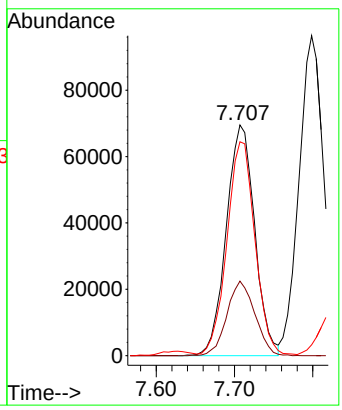
Tgt Ion: 56 Resp: 17526

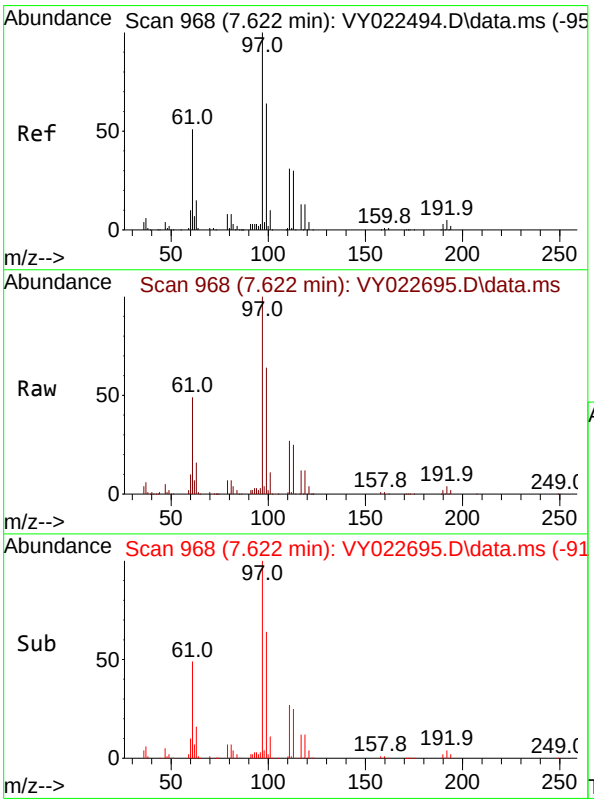
Ion	Ratio	Lower	Upper
56	100		
69	32.3	27.0	40.6
84	90.8	72.6	109.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

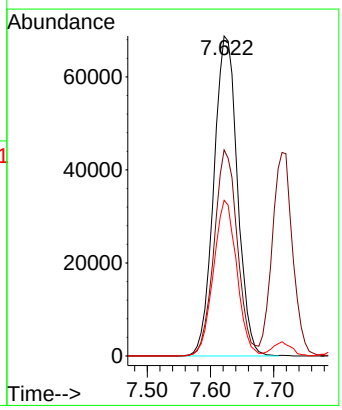


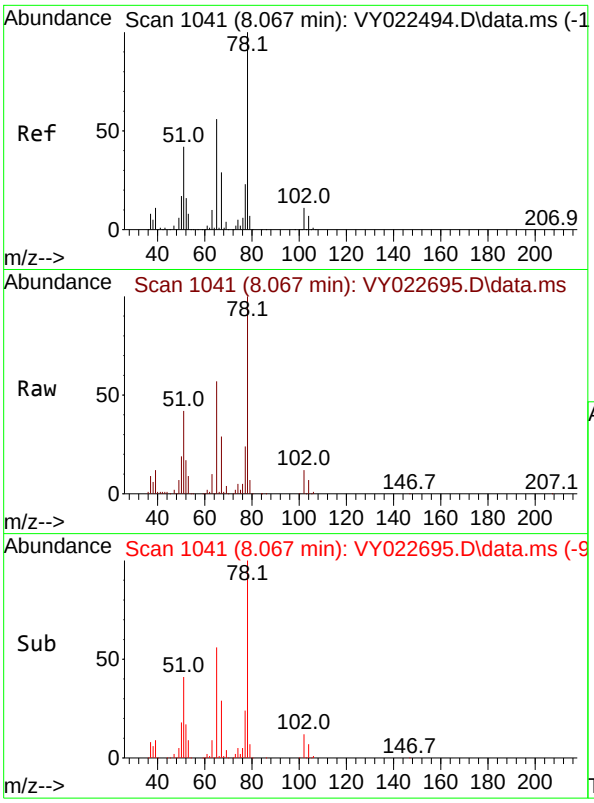


#32
1,1,1-Trichloroethane
Concen: 53.742 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 97 Resp: 177894

Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.9	76.3
61	48.2	38.5	57.7





#33
1,2-Dichloroethane-d4
Concen: 50.716 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

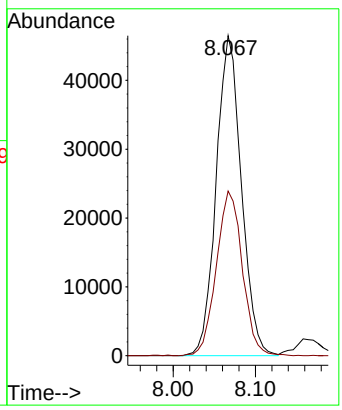
Tgt Ion: 65 Resp: 9891

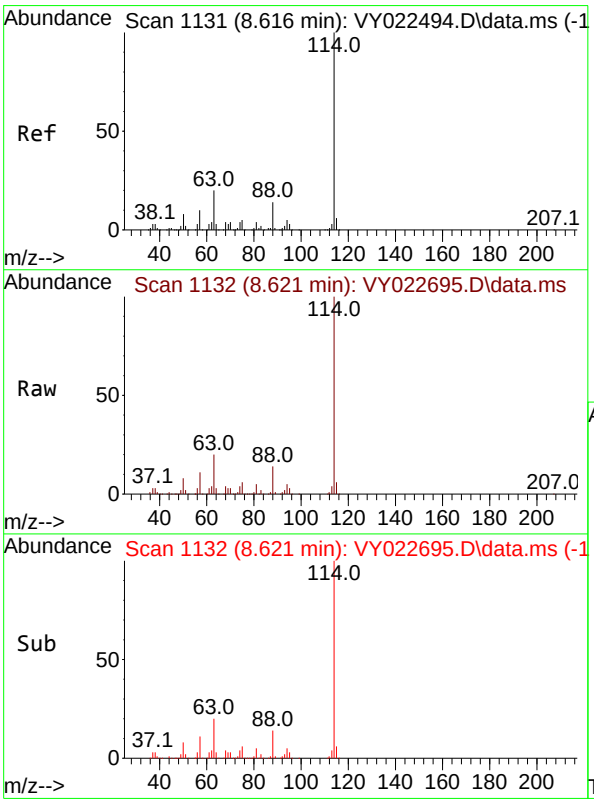
Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	103.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

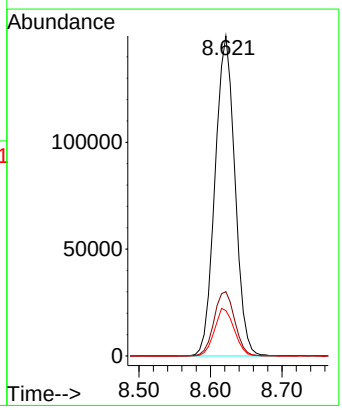


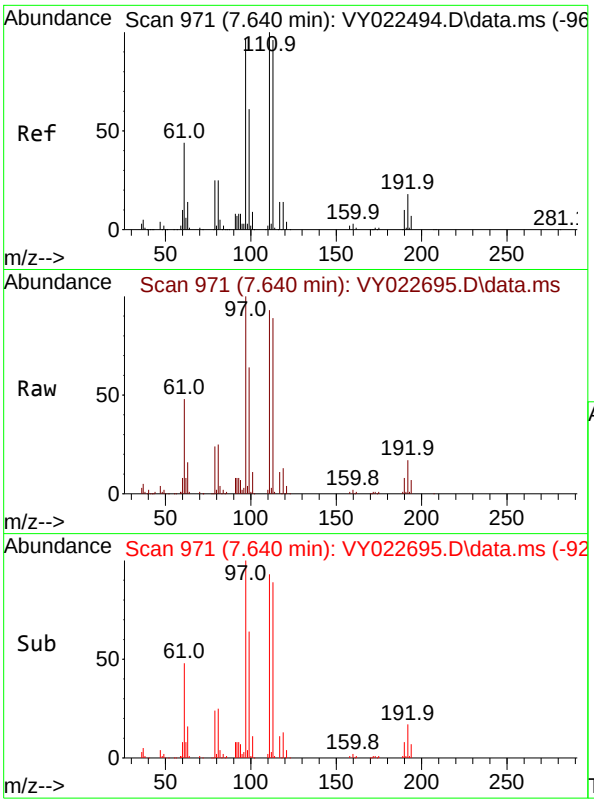


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:114 Resp: 289069

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.8
88	14.2	0.0	27.8

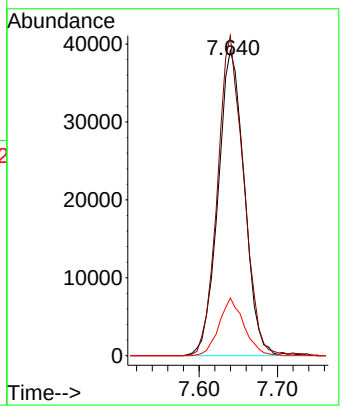




#35
Dibromofluoromethane
Concen: 53.004 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:113 Resp: 9145

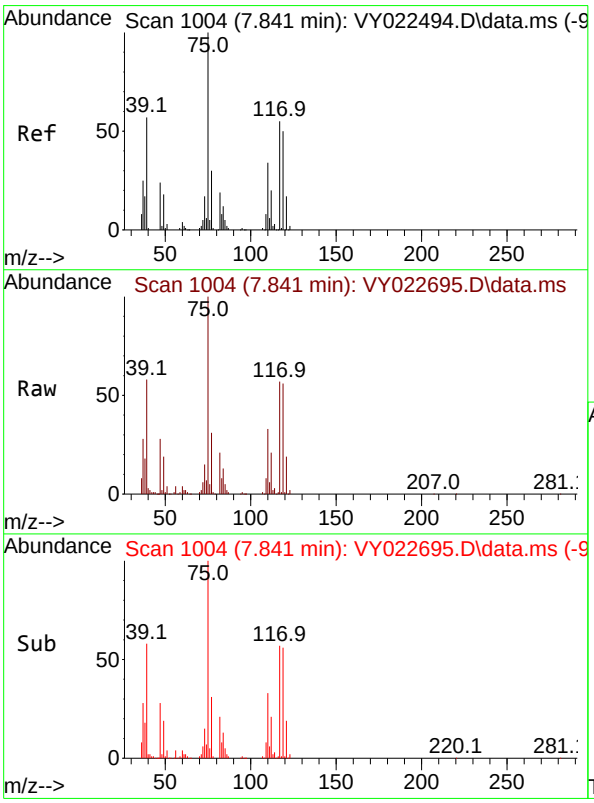
Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.1	121.7
192	17.9	14.2	21.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

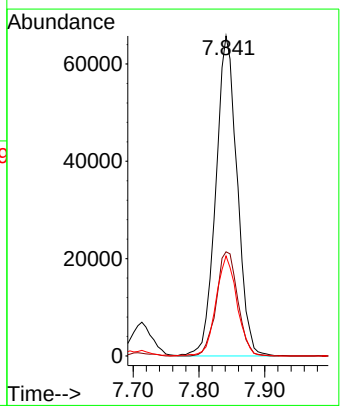
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

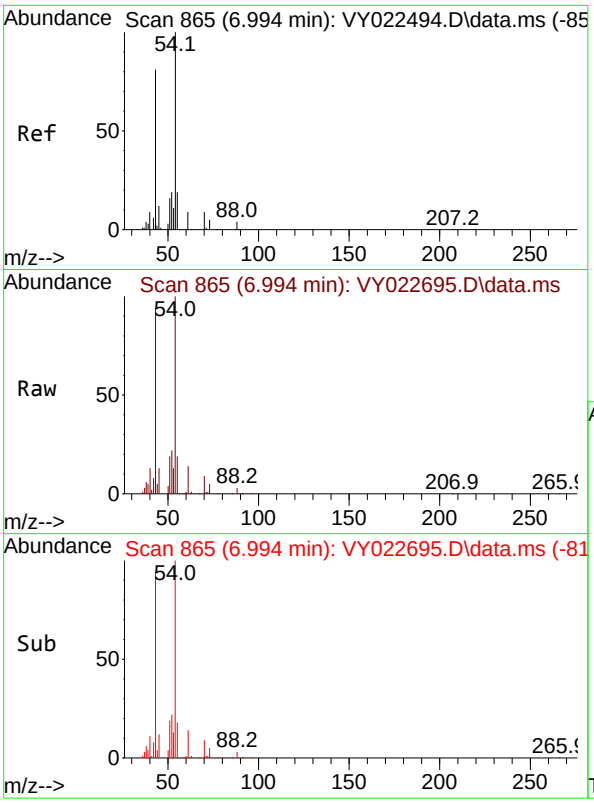


#36
1,1-Dichloropropene
Concen: 53.025 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 75 Resp: 148488

Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.9	50.7
77	30.9	24.8	37.2





#37
Ethyl Acetate
Concen: 49.193 ug/l
RT: 6.994 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

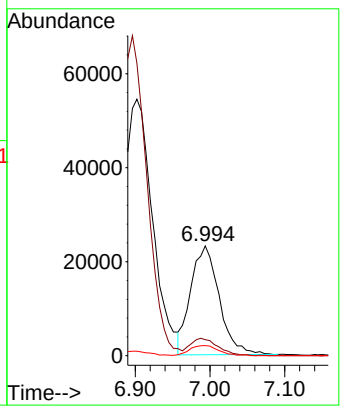
Tgt Ion: 43 Resp: 6143

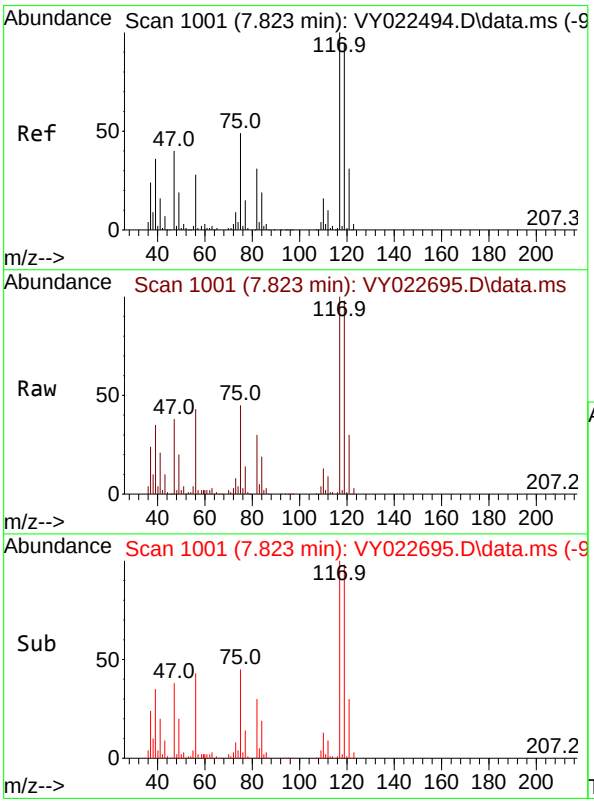
Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.5	17.3
70	9.5	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

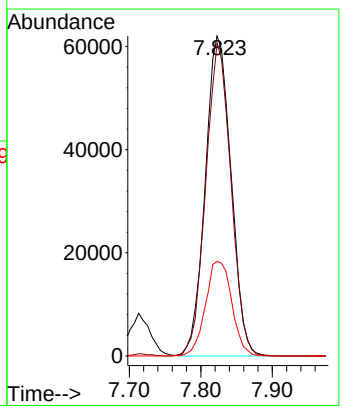


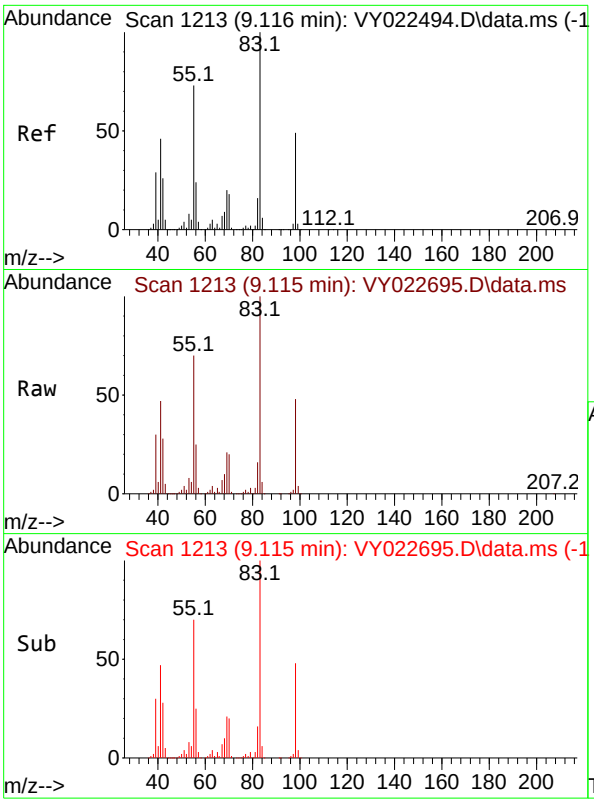


#38
Carbon Tetrachloride
Concen: 54.143 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:117 Resp: 155538

Ion	Ratio	Lower	Upper
117	100		
119	97.8	75.0	112.6
121	29.5	25.0	37.4





#39
Methylcyclohexane
Concen: 50.734 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

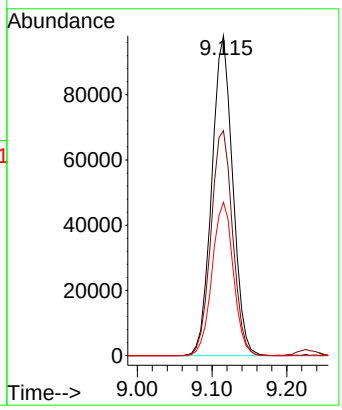
Tgt Ion: 83 Resp: 19092

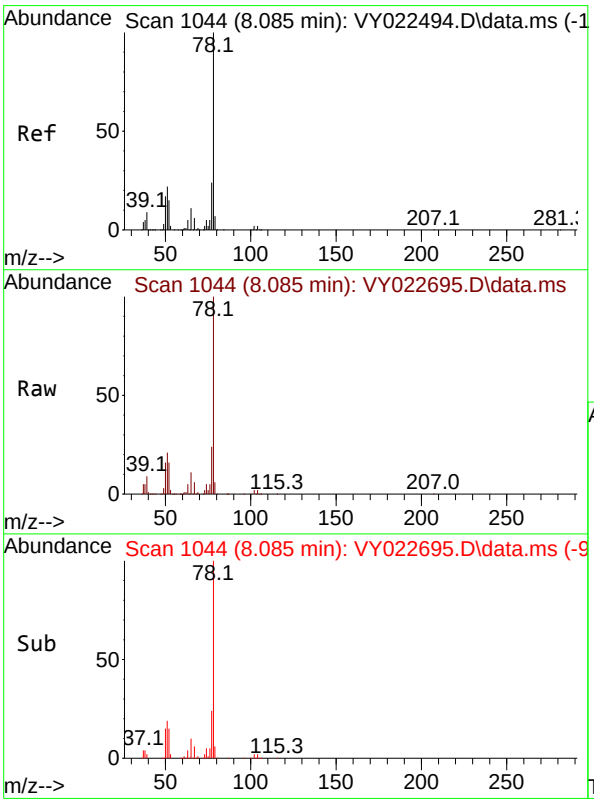
Ion	Ratio	Lower	Upper
83	100		
55	70.3	58.1	87.1
98	48.0	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

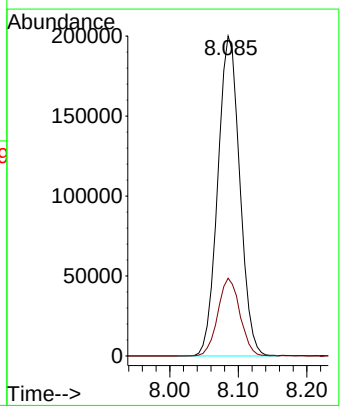


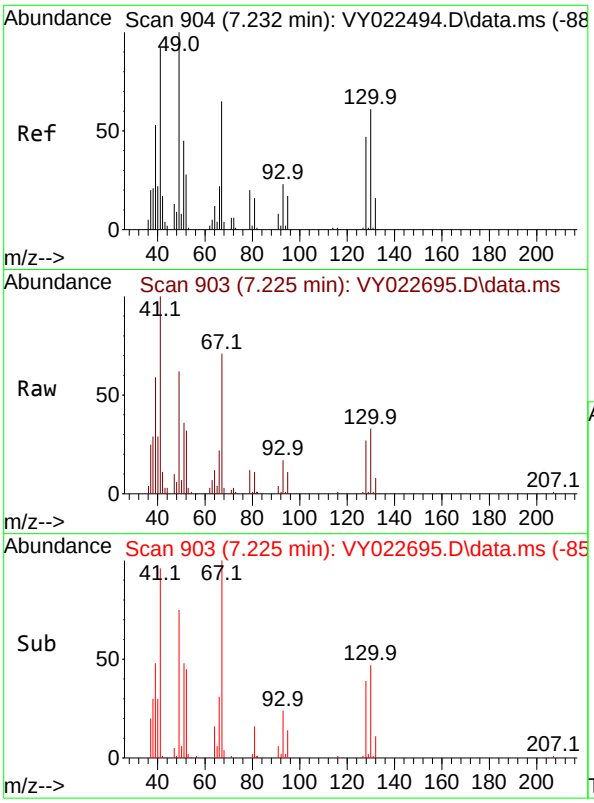


#40
Benzene
Concen: 53.785 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 78 Resp: 444852

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.3	28.9

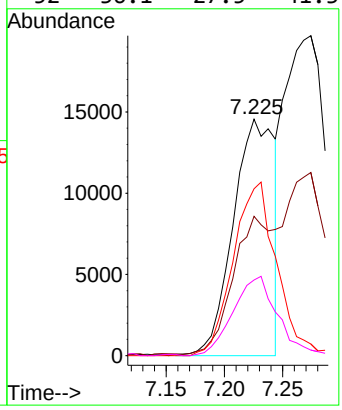




#41
Methacrylonitrile
Concen: 49.263 ug/l m
RT: 7.225 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 41 Resp: 3593

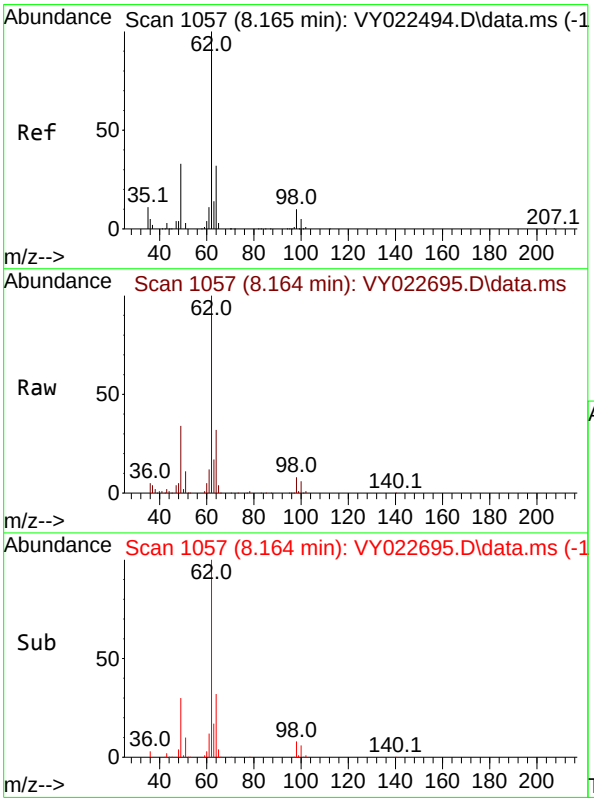
Ion	Ratio	Lower	Upper
41	100		
39	49.8	46.6	69.8
67	77.1	63.3	94.9
52	36.1	27.5	41.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

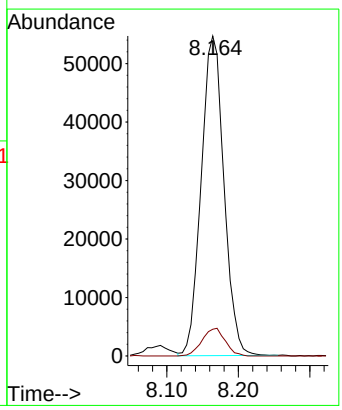
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

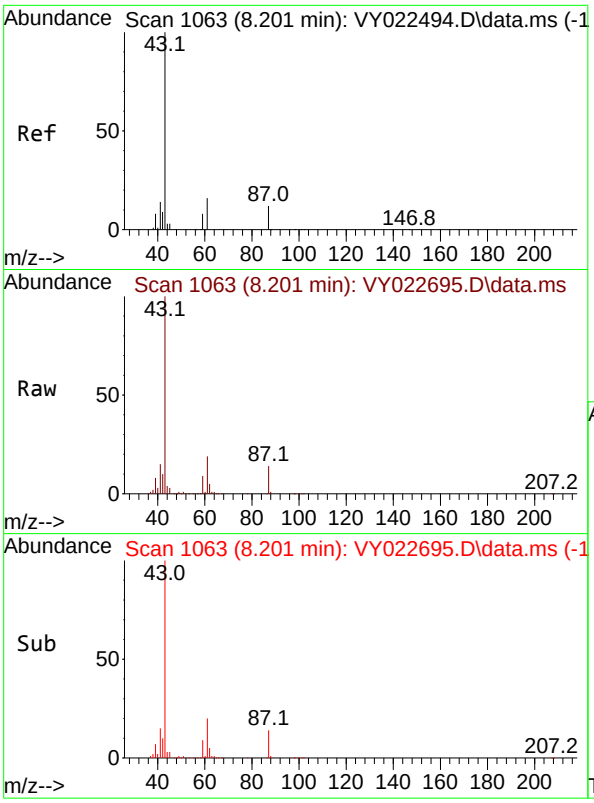


#42
1,2-Dichloroethane
Concen: 53.518 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 62 Resp: 120862

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	19.2





#43
Isopropyl Acetate
Concen: 50.490 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

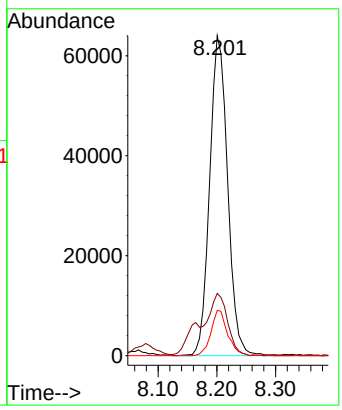
Tgt Ion: 43 Resp: 13617

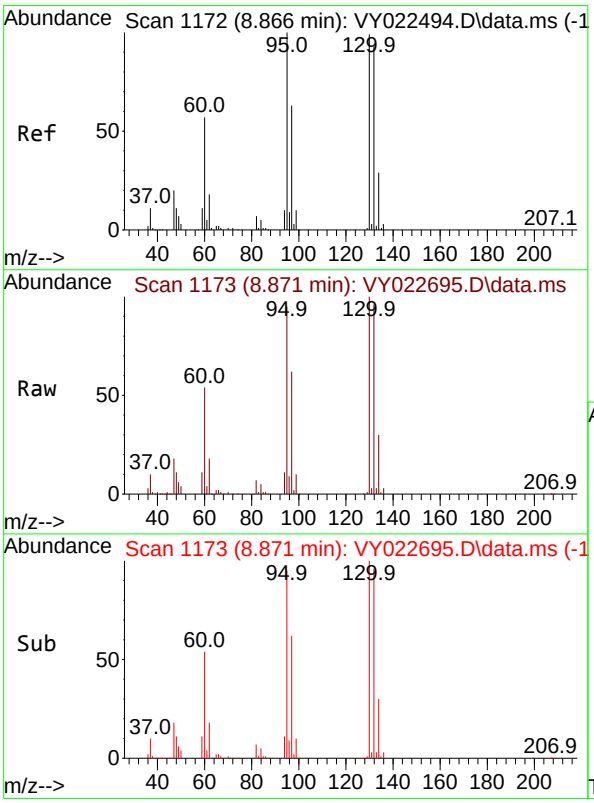
Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.6	23.4
87	13.1	10.2	15.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

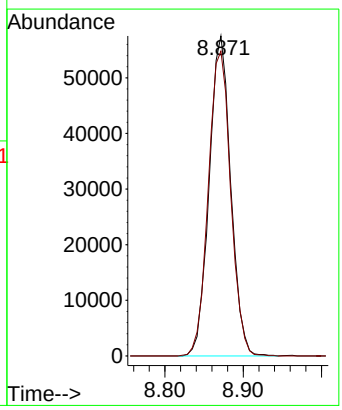


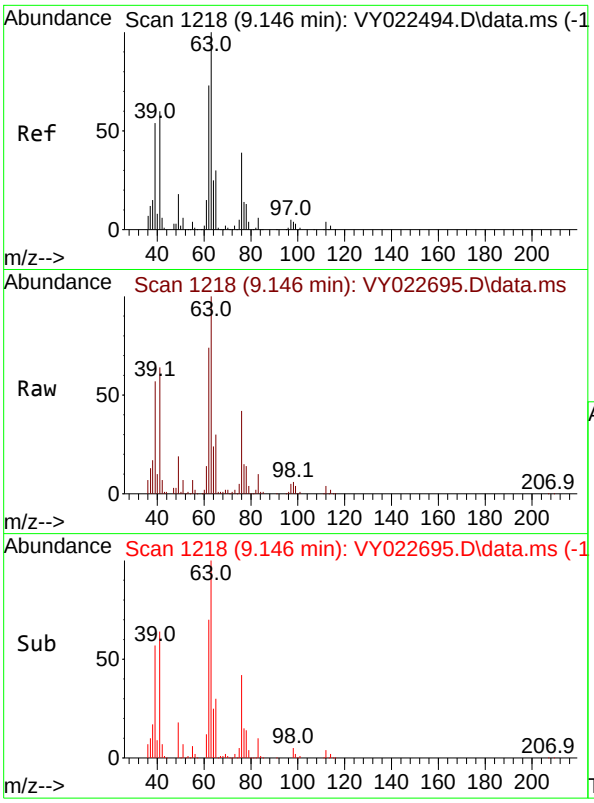


#44
Trichloroethene
Concen: 54.378 ug/l
RT: 8.871 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:130 Resp: 109923

Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	203.0





#45
1,2-Dichloropropane
Concen: 54.586 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

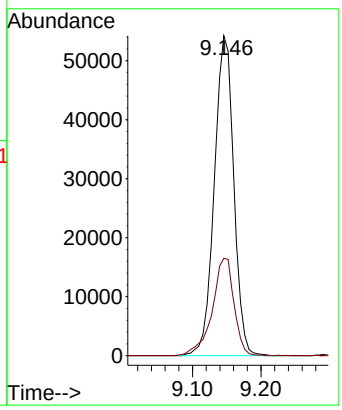
Tgt Ion: 63 Resp: 10669

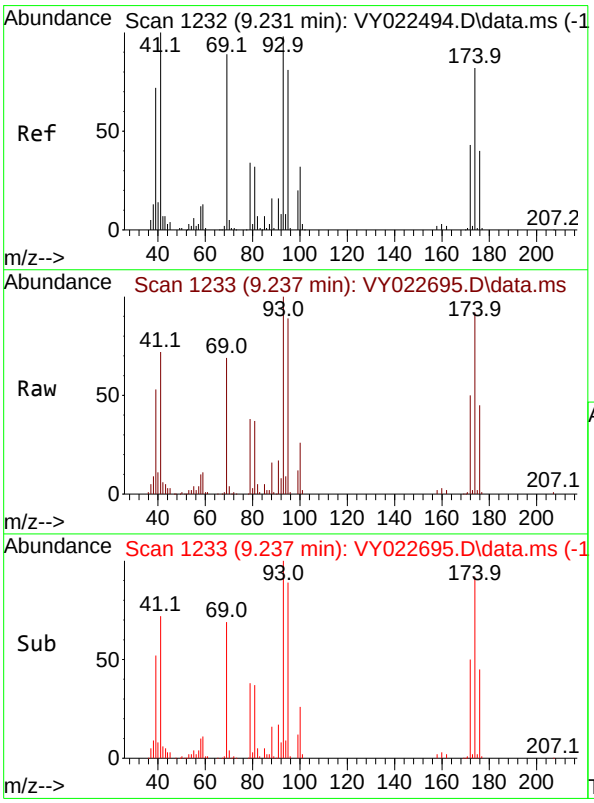
Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.0	36.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

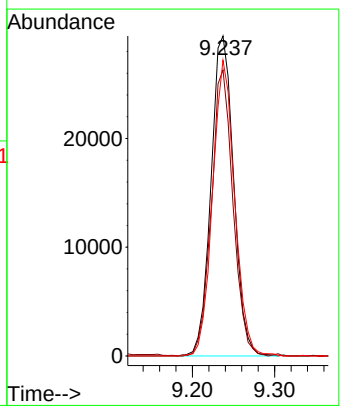


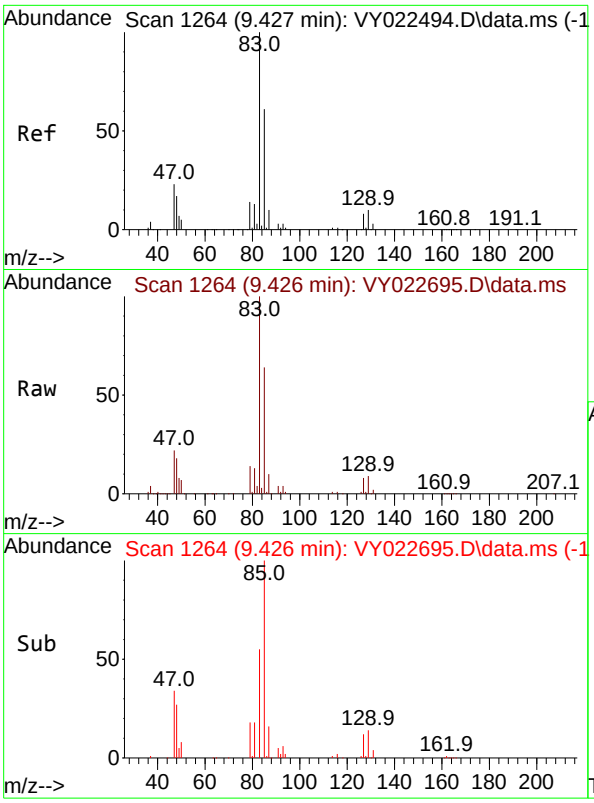


#46
Dibromomethane
Concen: 51.221 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 93 Resp: 56327

Ion	Ratio	Lower	Upper
93	100		
95	85.5	65.6	98.4
174	90.0	70.4	105.6

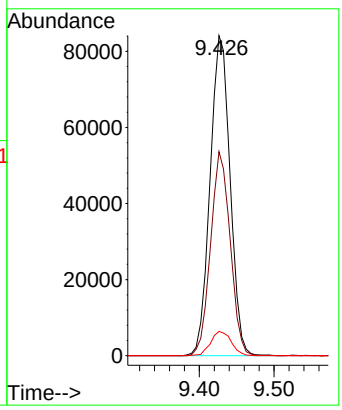




#47
Bromodichloromethane
Concen: 56.070 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 83 Resp: 15634

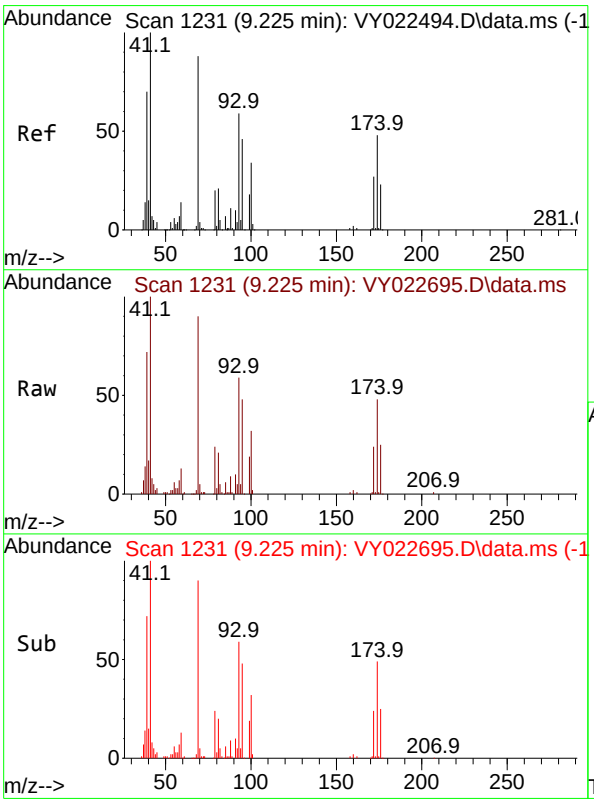
Ion	Ratio	Lower	Upper
83	100		
85	63.8	49.1	73.7
127	7.6	6.2	9.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

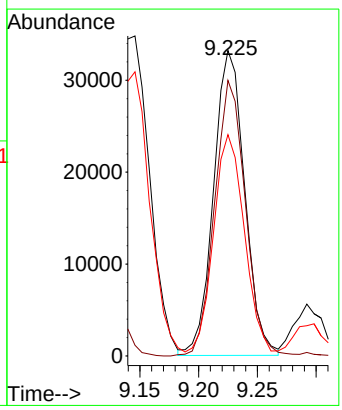
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

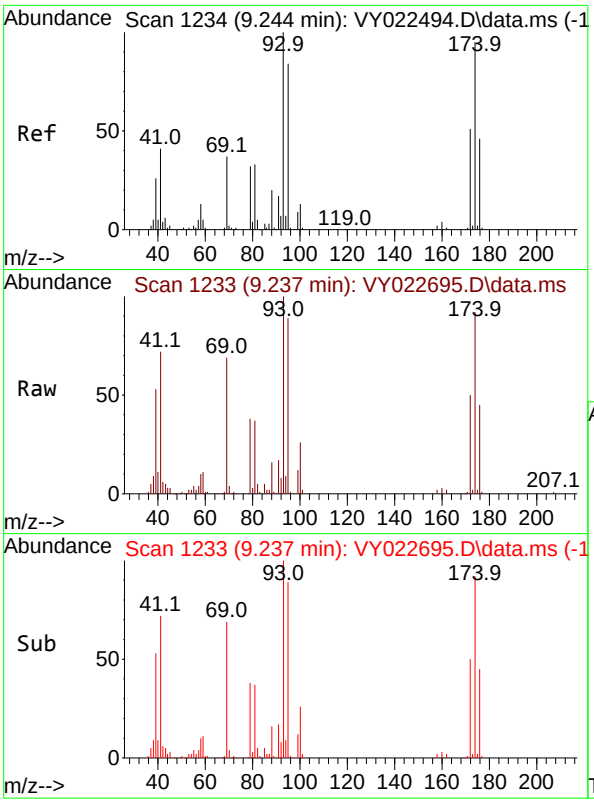


#48
Methyl methacrylate
Concen: 48.272 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 41 Resp: 61103

Ion	Ratio	Lower	Upper
41	100		
69	89.0	67.8	101.8
39	70.2	55.0	82.4





#49
1,4-Dioxane
Concen: 953.015 ug/l
RT: 9.237 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

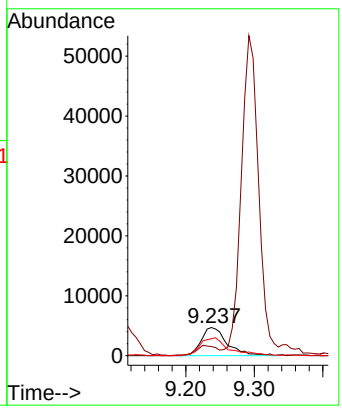
Tgt Ion: 88 Resp: 1241

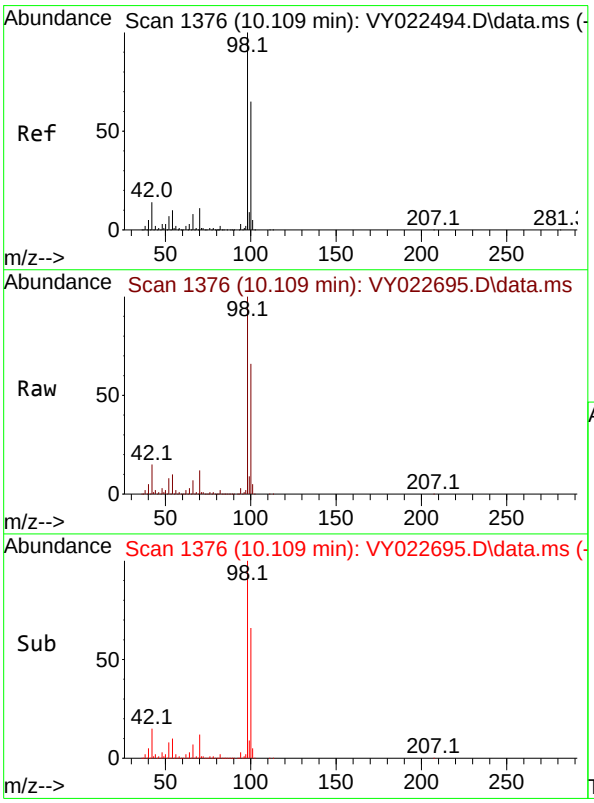
Ion	Ratio	Lower	Upper
88	100		
43	29.0	25.4	38.2
58	71.0	54.9	82.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

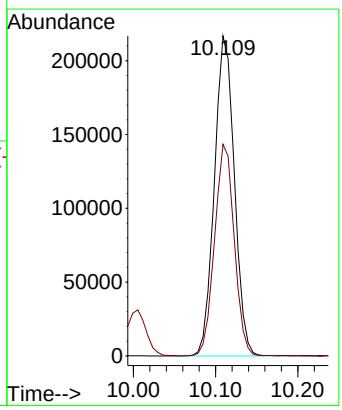


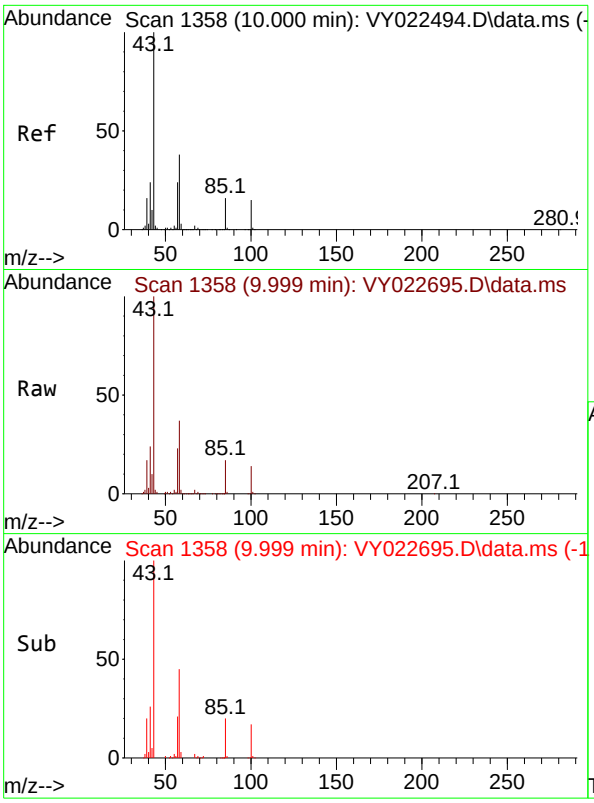


#50
Toluene-d8
Concen: 52.532 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 98 Resp: 366240

Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.4	77.0

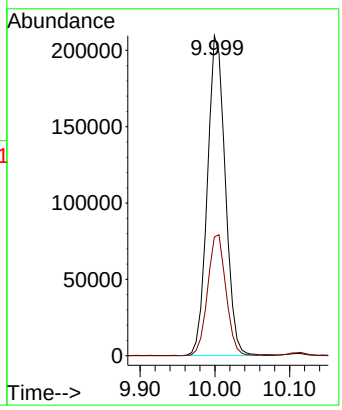




#51
4-Methyl-2-Pentanone
Concen: 259.021 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 43 Resp: 34829

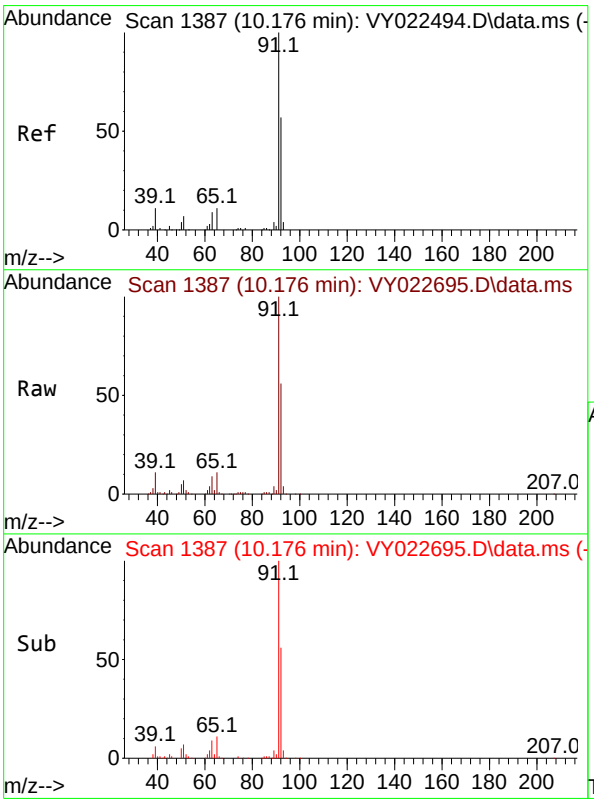
Ion	Ratio	Lower	Upper
43	100		
58	38.9	30.4	45.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

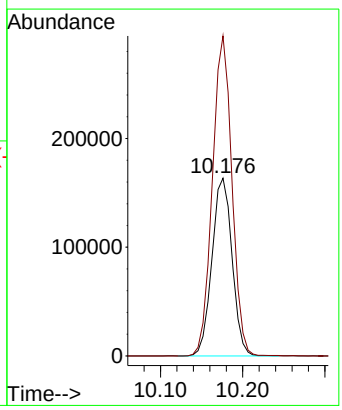
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

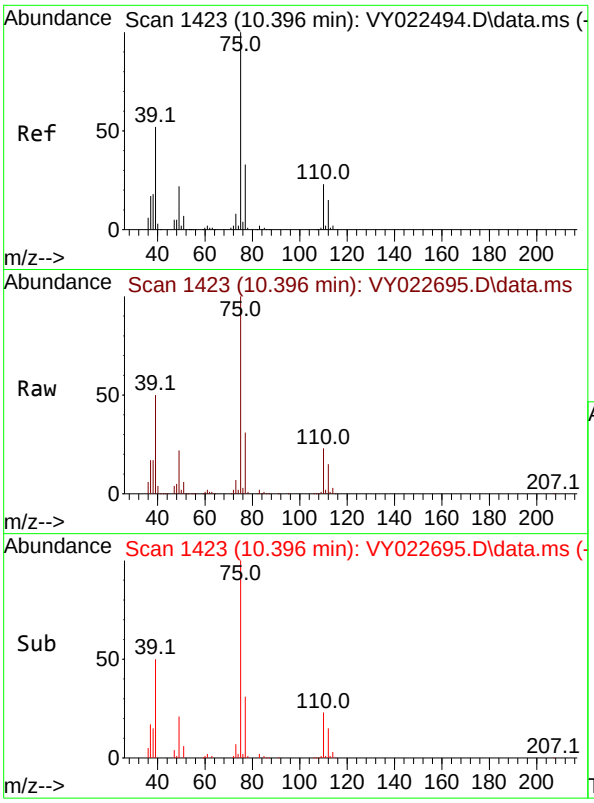


#52
Toluene
Concen: 53.455 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 92 Resp: 277847

Ion	Ratio	Lower	Upper
92	100		
91	175.0	139.0	208.4

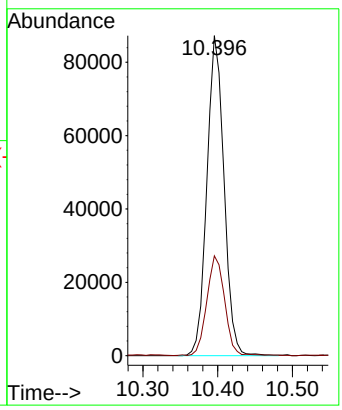




#53
t-1,3-Dichloropropene
Concen: 53.075 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 75 Resp: 13866

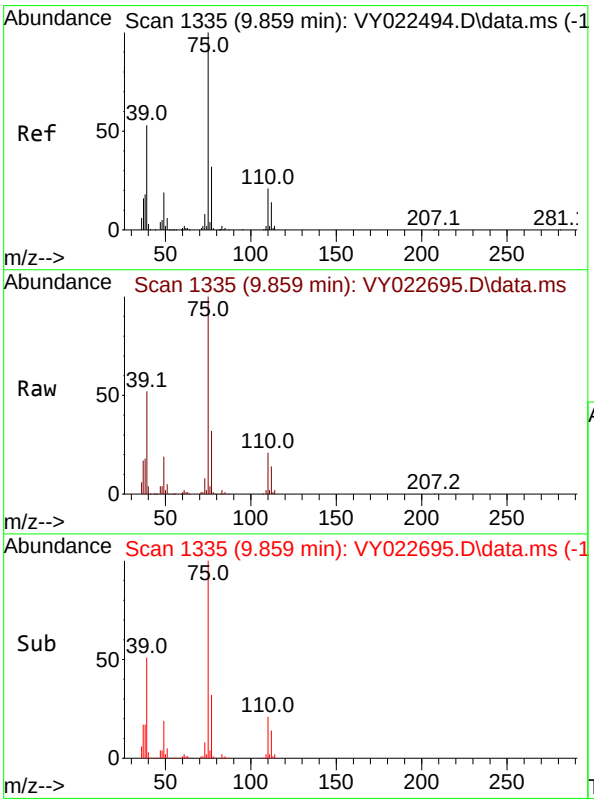
Ion	Ratio	Lower	Upper
75	100		
77	31.1	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

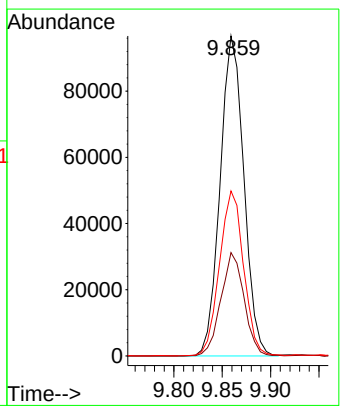
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

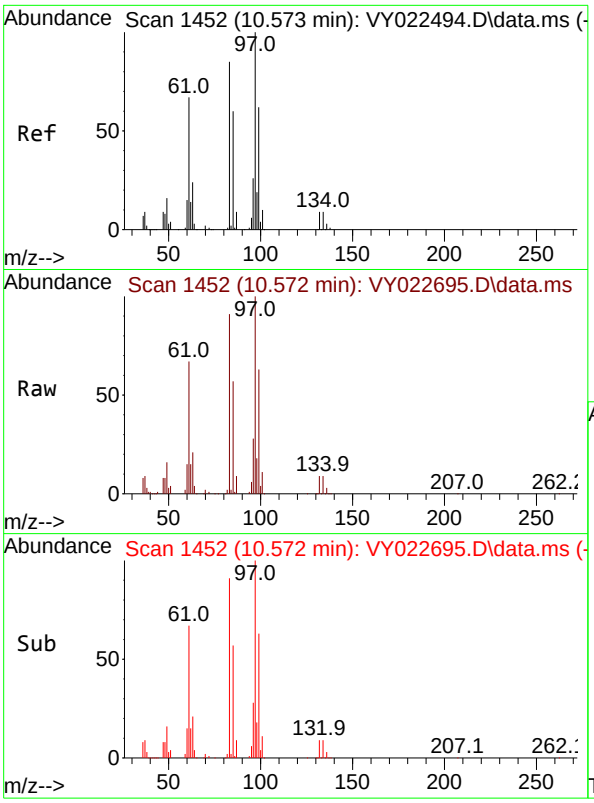


#54
cis-1,3-Dichloropropene
Concen: 54.182 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 75 Resp: 164783

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.3	37.9
39	51.5	42.7	64.1

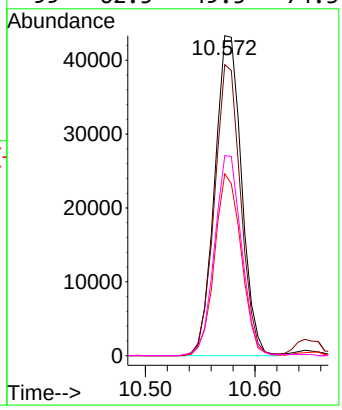




#55
1,1,2-Trichloroethane
Concen: 52.659 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 97 Resp: 7384

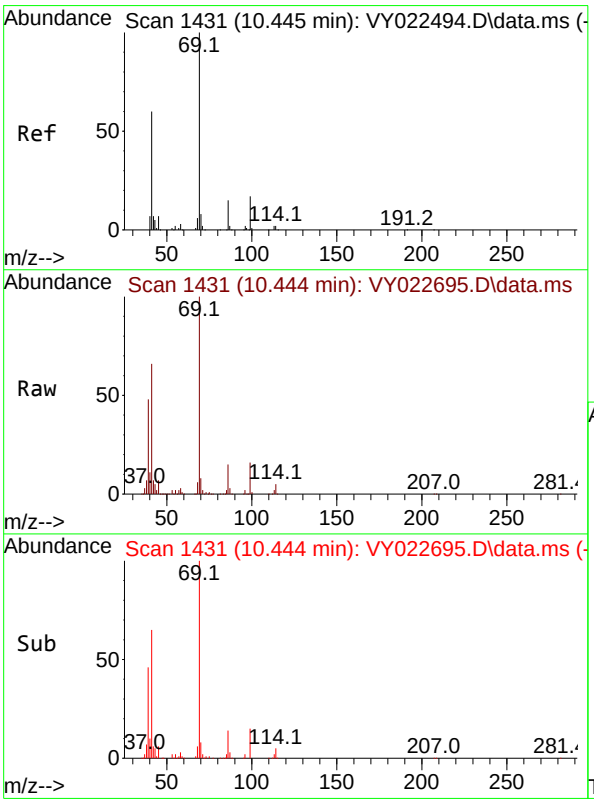
Ion	Ratio	Lower	Upper
97	100		
83	91.0	68.1	102.1
85	56.8	48.2	72.2
99	62.5	49.5	74.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

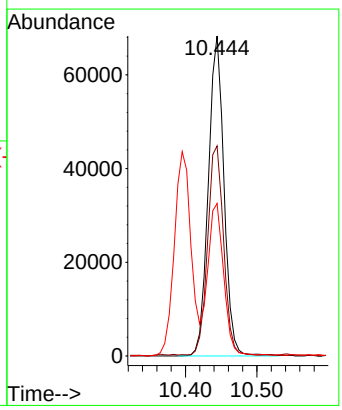
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

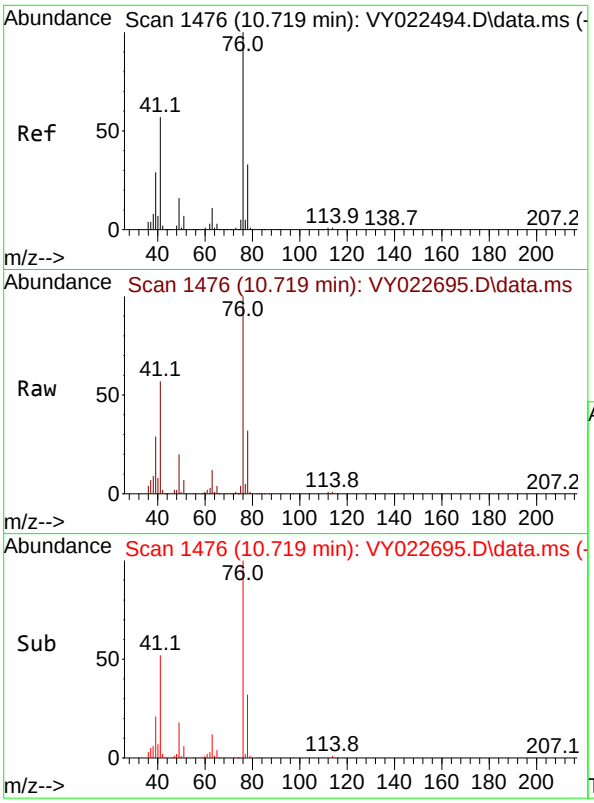


#56
Ethyl methacrylate
Concen: 51.277 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 69 Resp: 103924

Ion	Ratio	Lower	Upper
69	100		
41	66.3	52.2	78.2
39	48.1	36.7	55.1

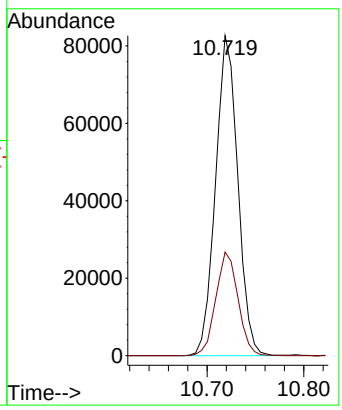




#57
1,3-Dichloropropane
Concen: 53.110 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 76 Resp: 13199

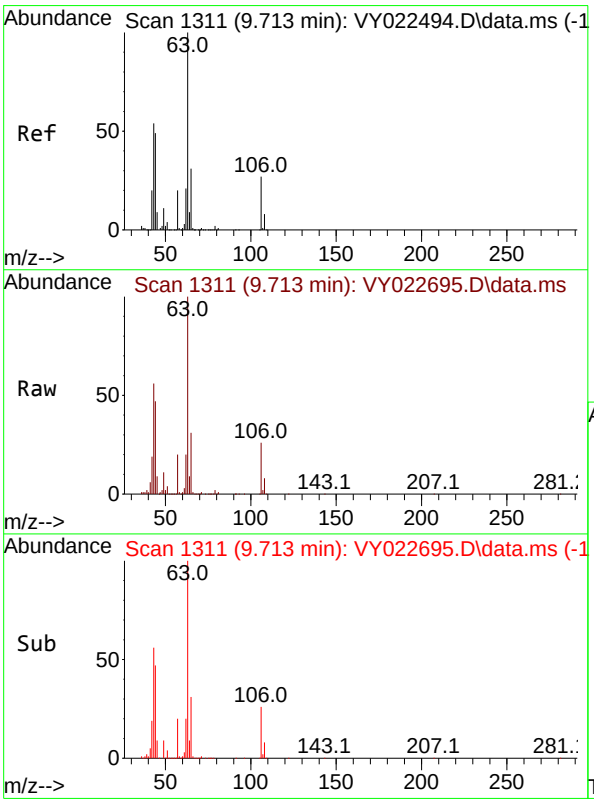
Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

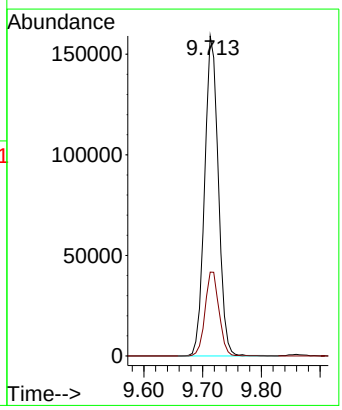
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

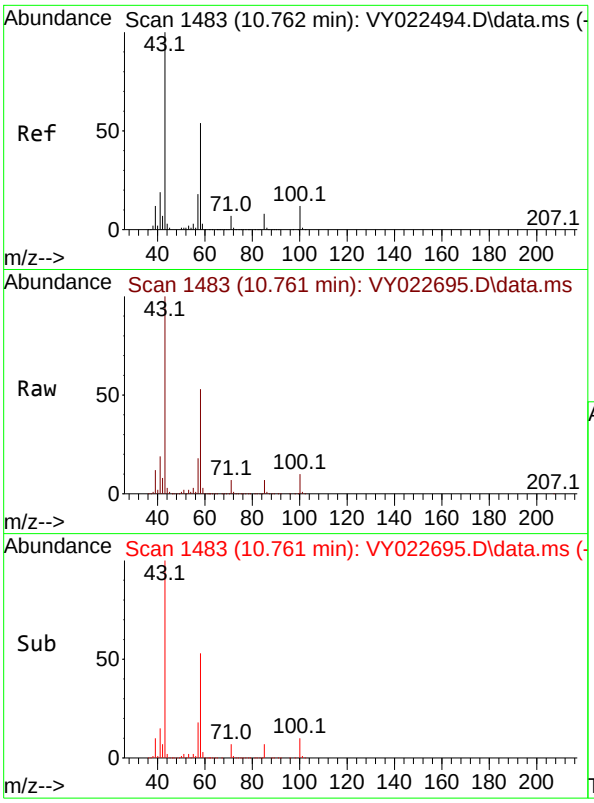


#58
2-Chloroethyl Vinyl ether
Concen: 280.349 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 63 Resp: 257969

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.6	32.4





#59
2-Hexanone
Concen: 265.800 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

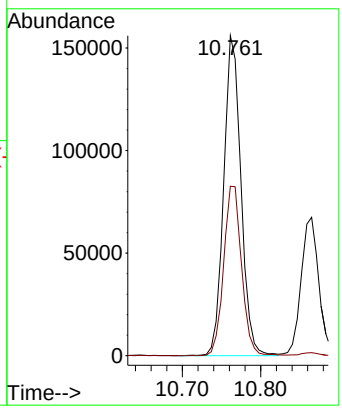
Tgt Ion: 43 Resp: 23903

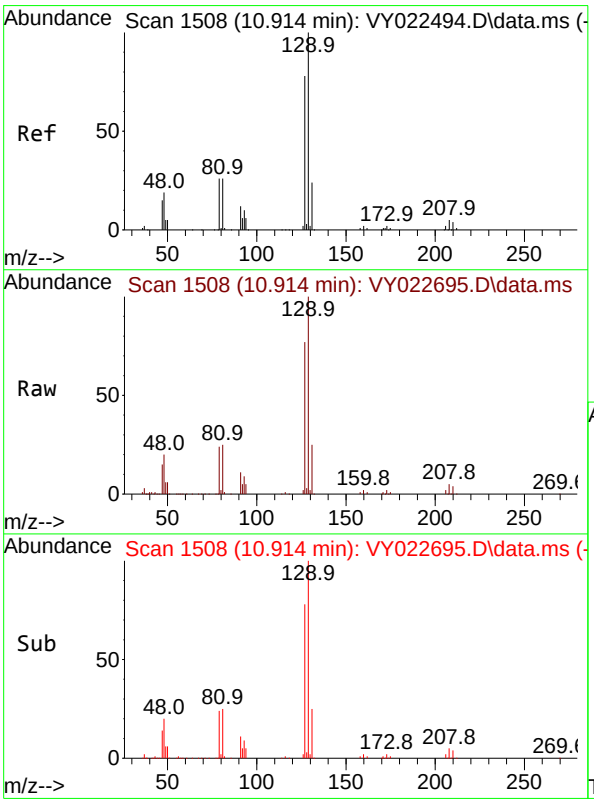
Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

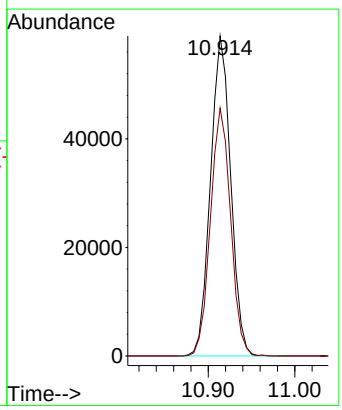


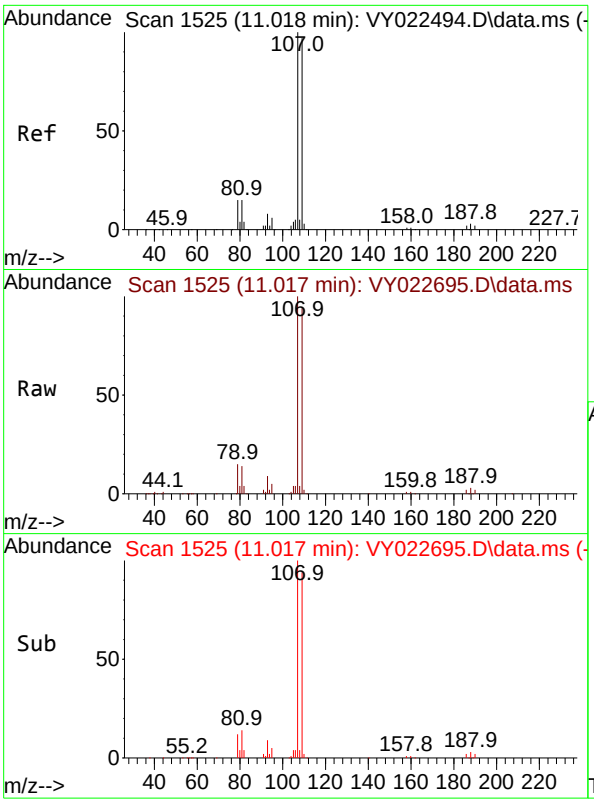


#60
Dibromochloromethane
Concen: 53.703 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:129 Resp: 95700

Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.1	117.2





#61
1,2-Dibromoethane
Concen: 53.207 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

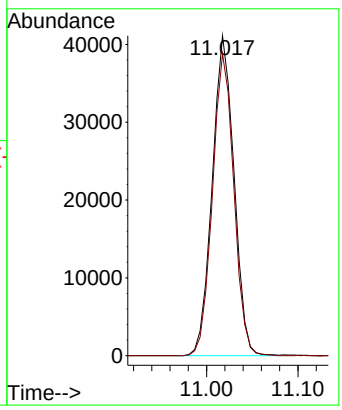
Tgt Ion:107 Resp: 6800

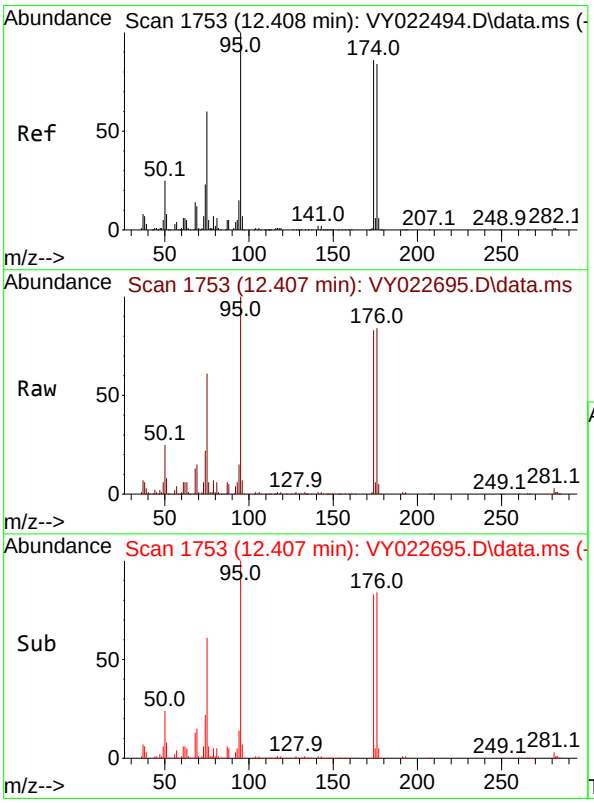
Ion	Ratio	Lower	Upper
107	100		
109	92.6	77.7	116.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

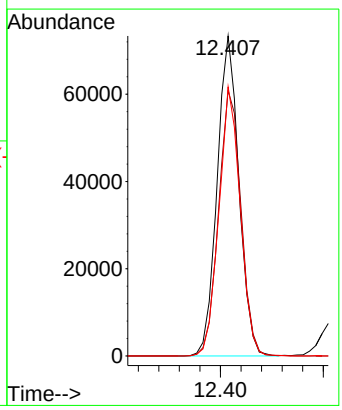


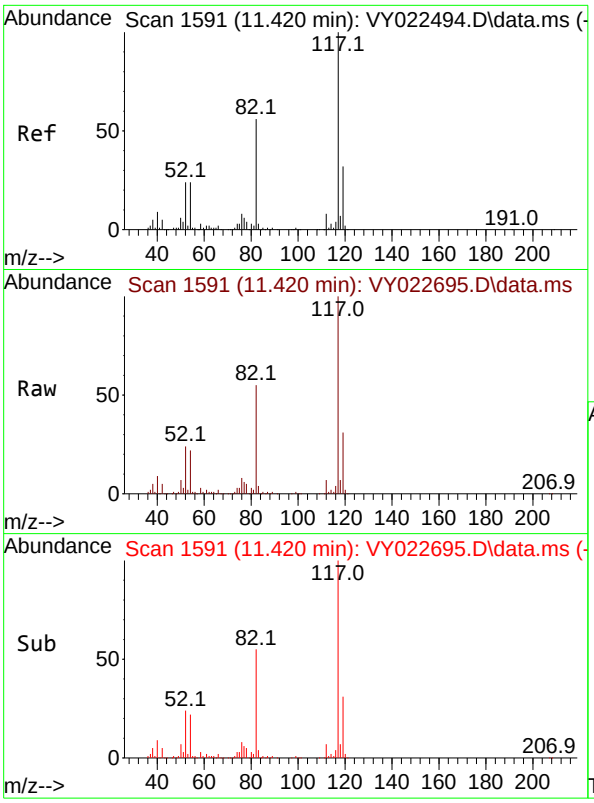


#62
4-Bromofluorobenzene
Concen: 51.786 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 95 Resp: 107571

Ion	Ratio	Lower	Upper
95	100		
174	85.3	0.0	170.0
176	82.5	0.0	166.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

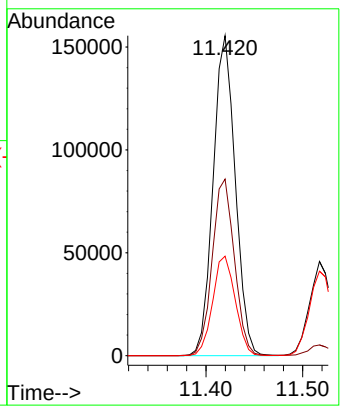
Tgt Ion:117 Resp: 24709

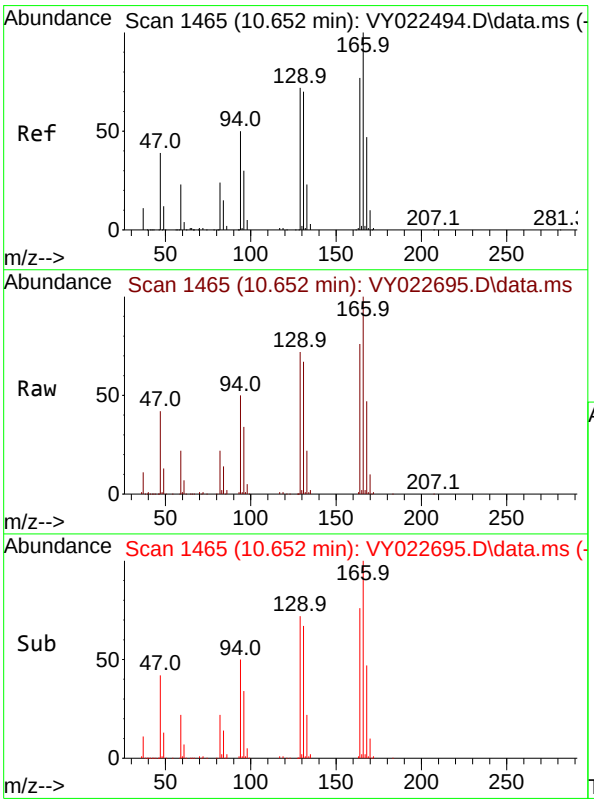
Ion	Ratio	Lower	Upper
117	100		
82	55.2	44.6	66.8
119	31.1	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

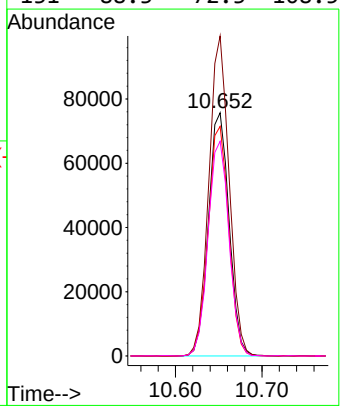


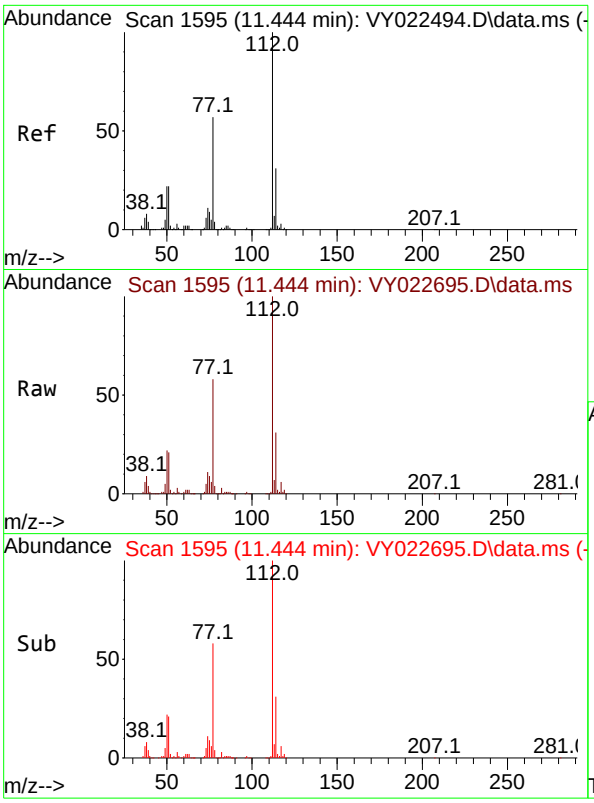


#64
Tetrachloroethene
Concen: 59.140 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:164 Resp: 125705

Ion	Ratio	Lower	Upper
164	100		
166	131.6	104.0	156.0
129	94.5	74.5	111.7
131	88.3	72.3	108.5





#65
Chlorobenzene
Concen: 52.982 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

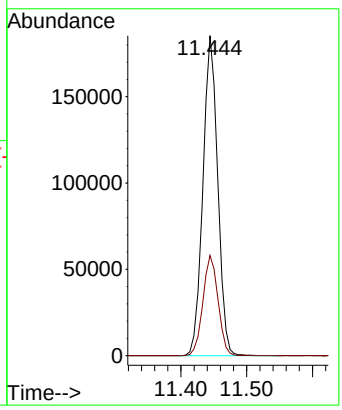
Tgt Ion:112 Resp: 28970

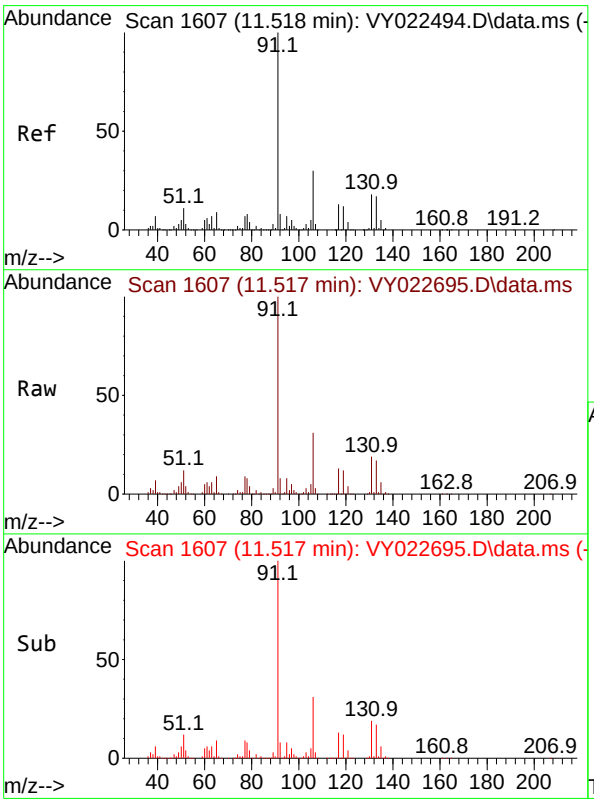
Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

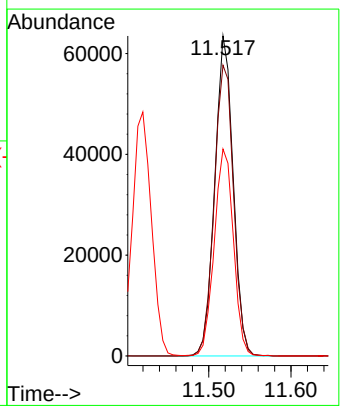


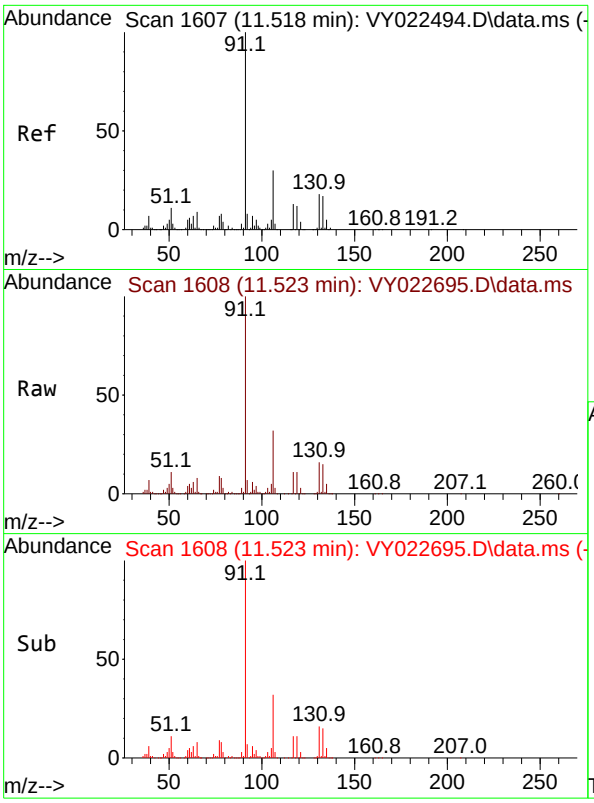


#66
1,1,1,2-Tetrachloroethane
Concen: 53.599 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:131 Resp: 98730

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.3	141.8
119	67.4	33.1	99.3





#67
Ethyl Benzene
Concen: 53.780 ug/l
RT: 11.523 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

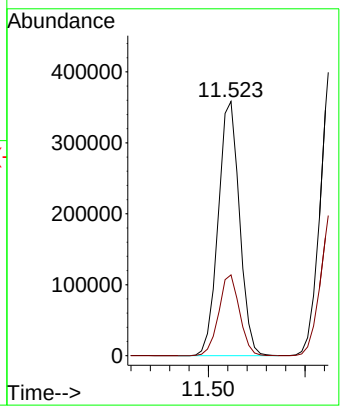
Tgt Ion: 91 Resp: 54542

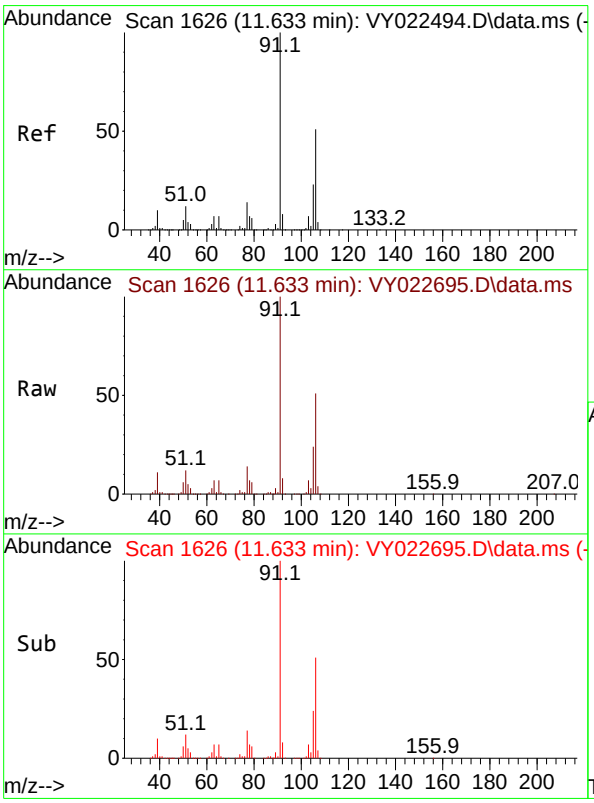
Ion	Ratio	Lower	Upper
91	100		
106	31.8	24.2	36.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

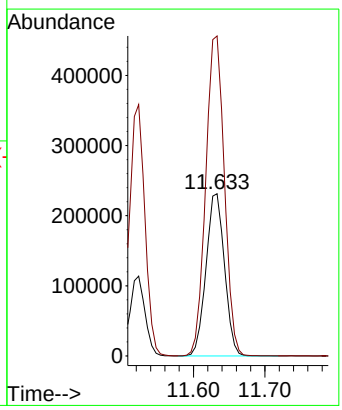


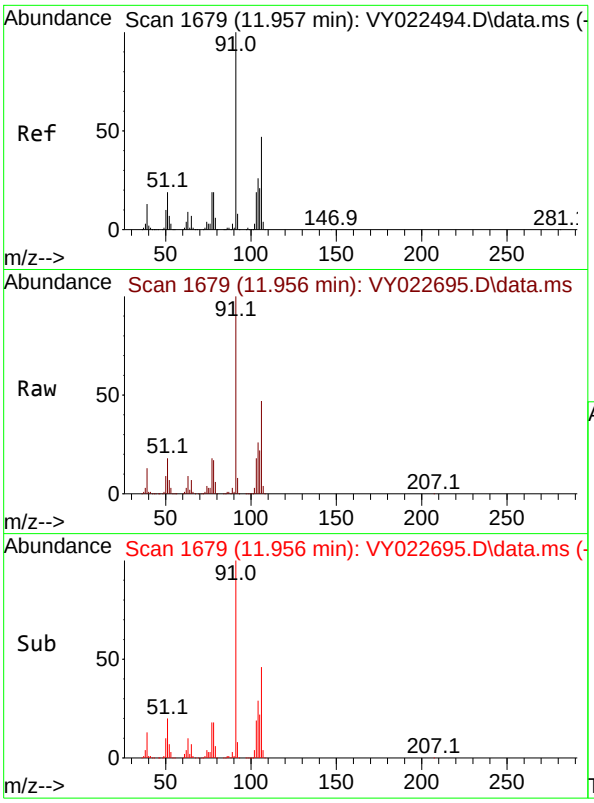


#68
m/p-Xylenes
Concen: 107.748 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:106 Resp: 414254

Ion	Ratio	Lower	Upper
106	100		
91	199.3	159.4	239.0





#69
o-Xylene
Concen: 53.302 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

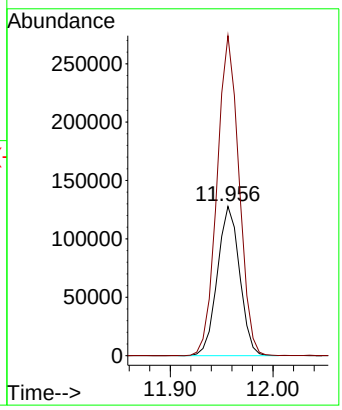
Tgt Ion:106 Resp: 19213

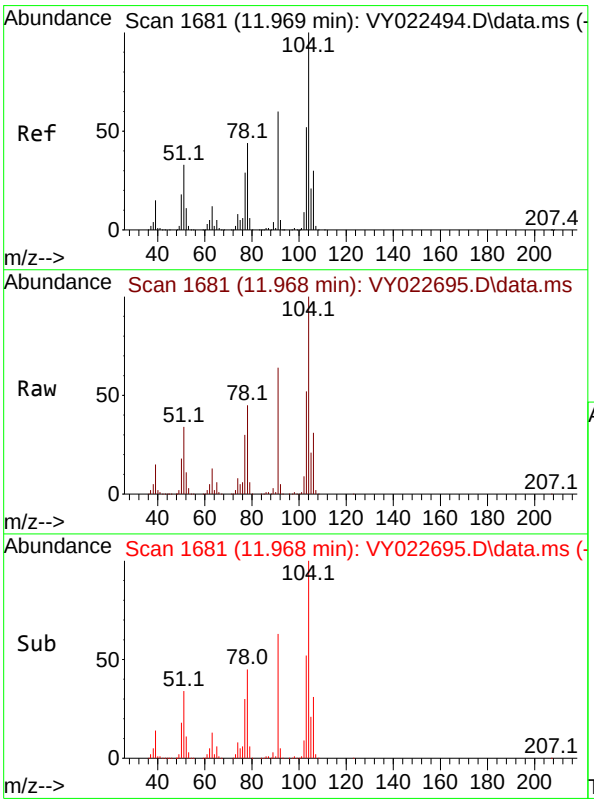
Ion	Ratio	Lower	Upper
106	100		
91	212.3	105.8	317.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

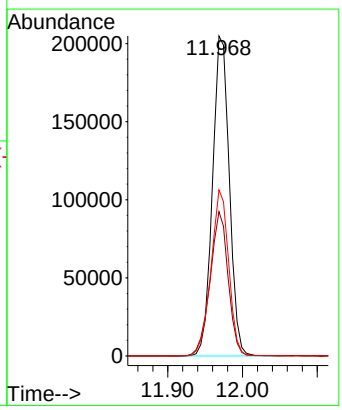


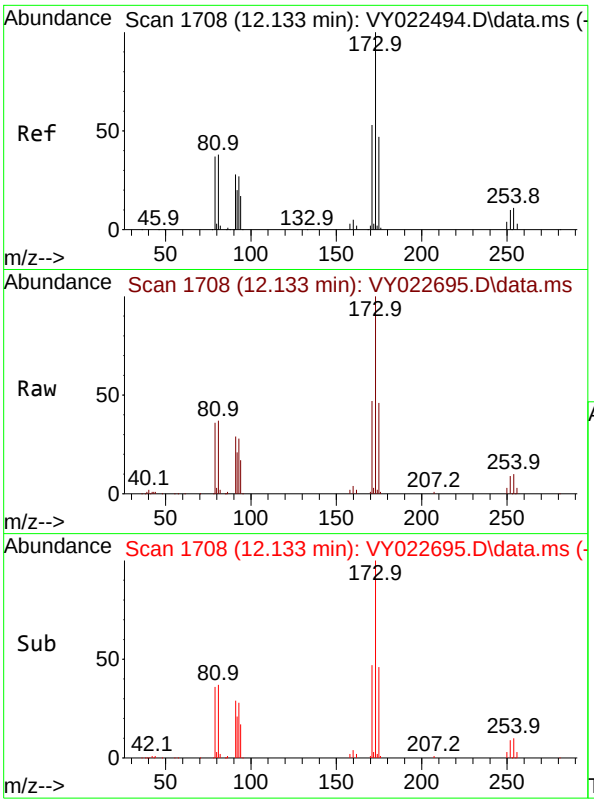


#70
Styrene
Concen: 53.948 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:104 Resp: 321446

Ion	Ratio	Lower	Upper
104	100		
78	48.5	39.5	59.3
103	54.8	44.1	66.1

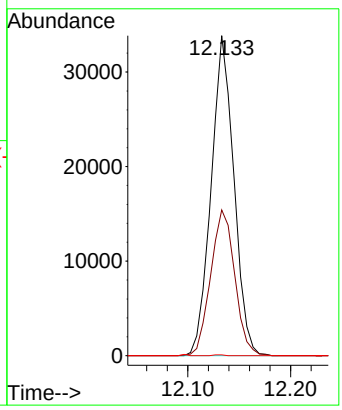




#71
Bromoform
Concen: 53.026 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:173 Resp: 5197

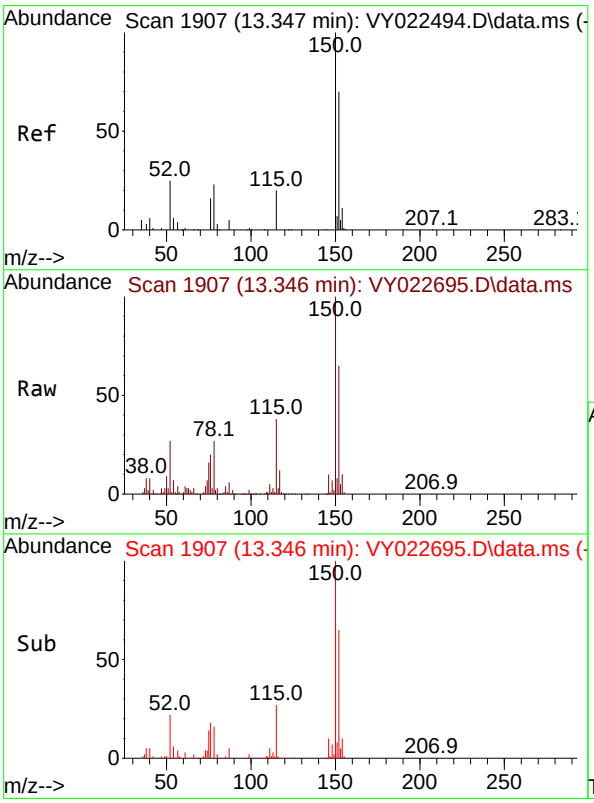
Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.8	71.5
254	0.1	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

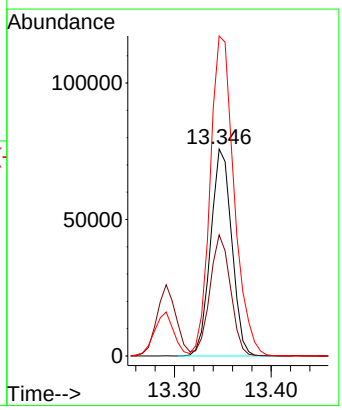
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

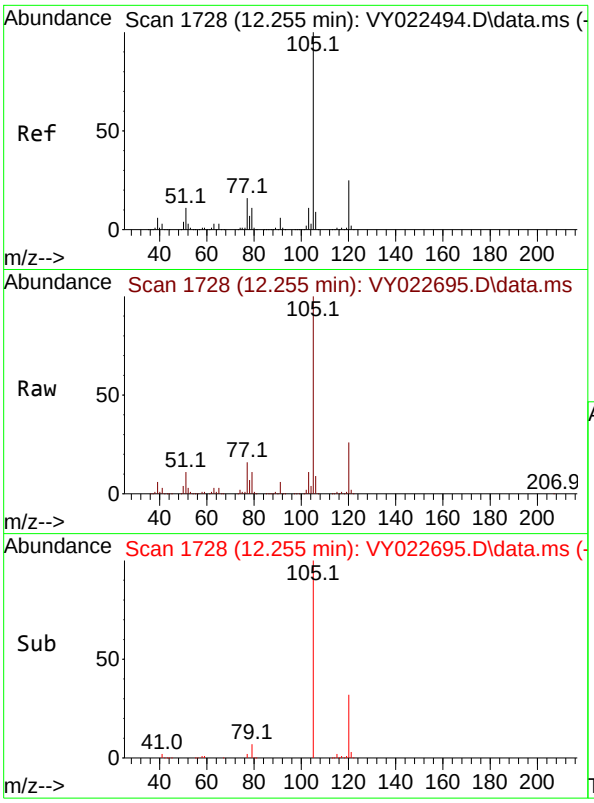


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:152 Resp: 115228

Ion	Ratio	Lower	Upper
152	100		
115	57.2	28.9	86.7
150	174.8	0.0	349.6





#73
Isopropylbenzene
Concen: 53.555 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

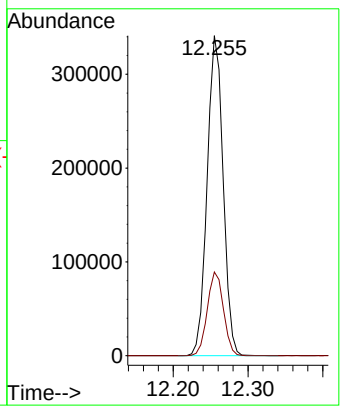
Tgt Ion:105 Resp: 50664

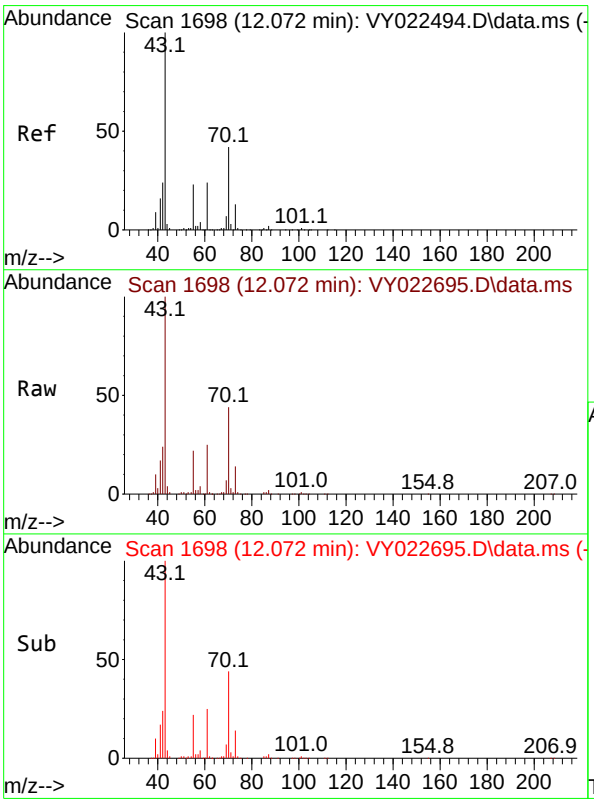
Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.0	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

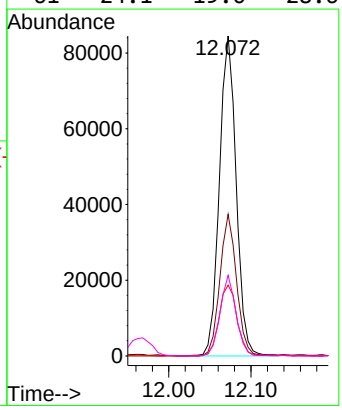


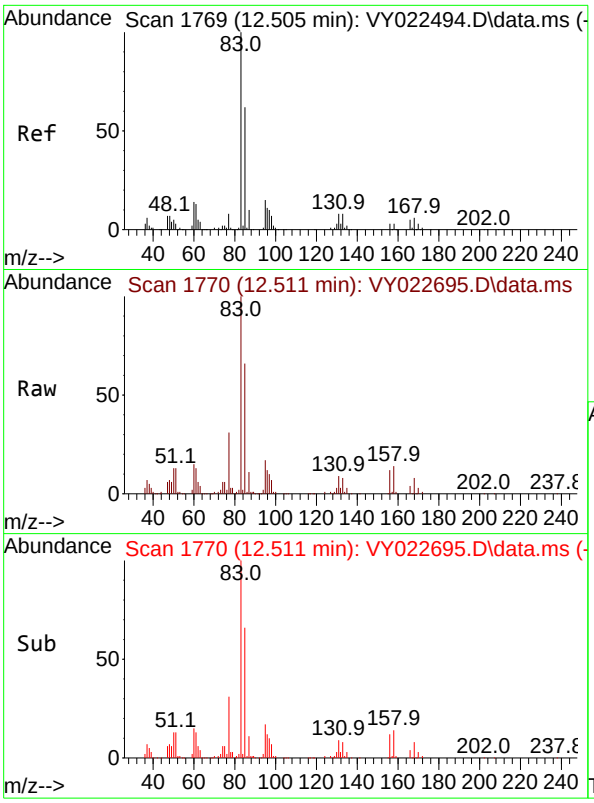


#74
N-amyl acetate
Concen: 50.251 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 43 Resp: 119948

Ion	Ratio	Lower	Upper
43	100		
70	44.1	34.2	51.2
55	23.6	18.2	27.4
61	24.1	19.0	28.6

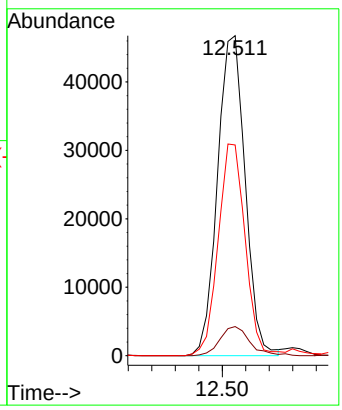




#75
1,1,2,2-Tetrachloroethane
Concen: 49.254 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 83 Resp: 7647

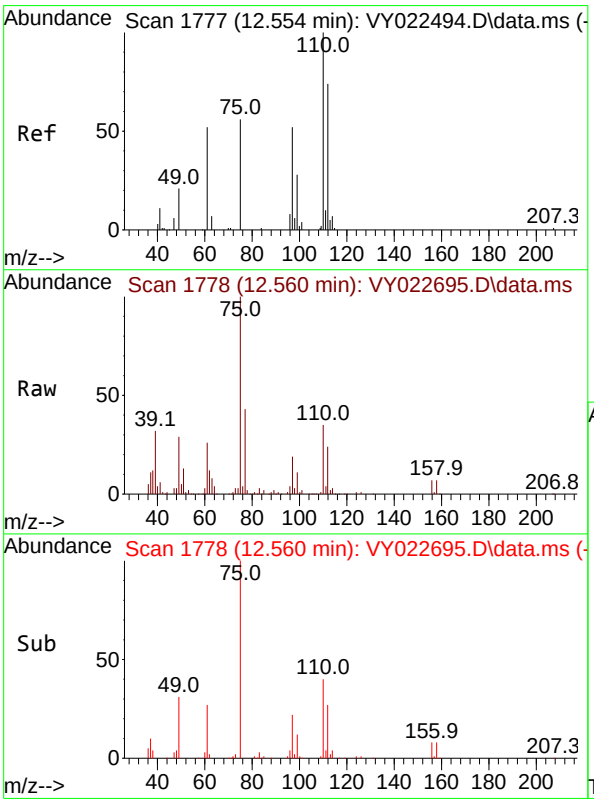
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	64.6	32.6	97.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

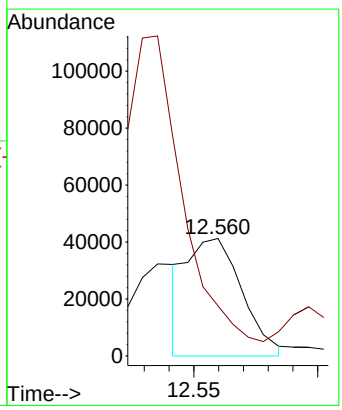
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

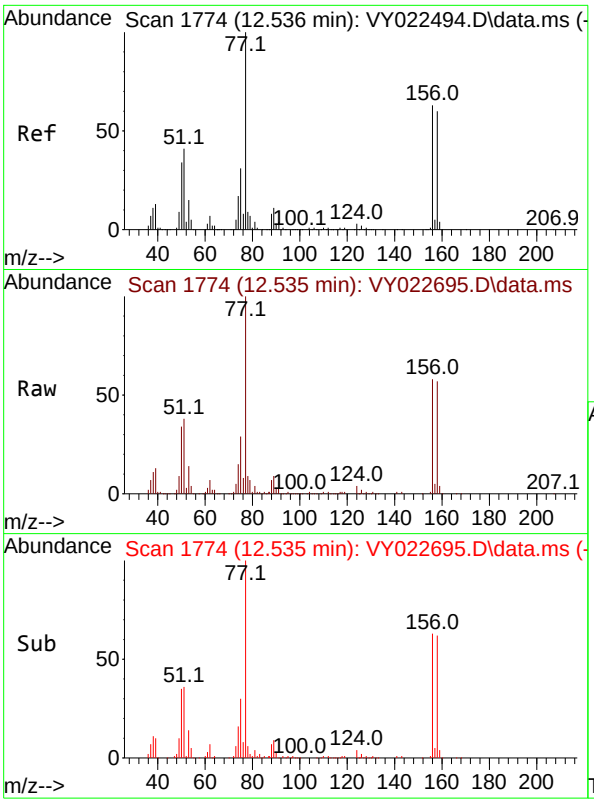


#76
1,2,3-Trichloropropane
Concen: 48.133 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 75 Resp: 63452

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

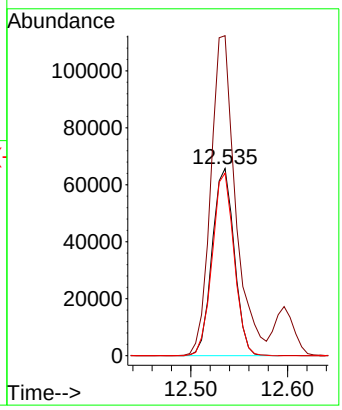




#77
Bromobenzene
Concen: 52.278 ug/l
RT: 12.535 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:156 Resp: 10436

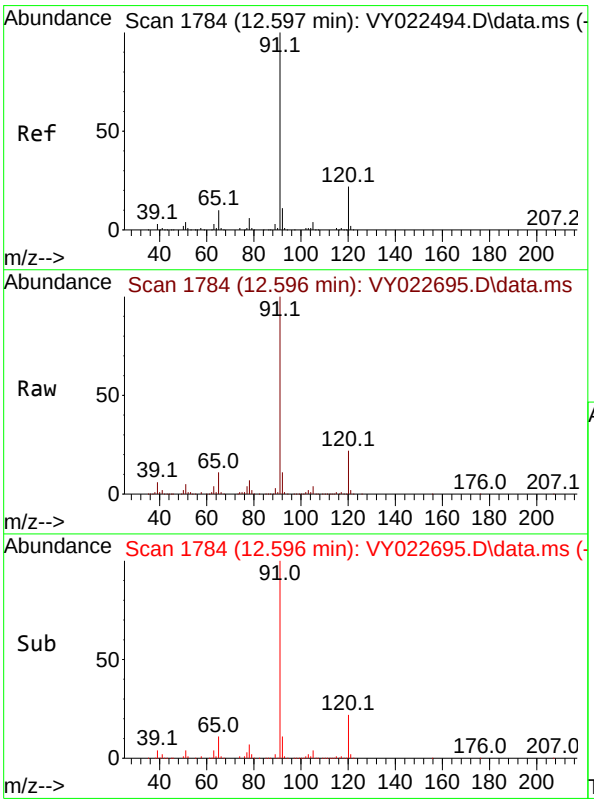
Ion	Ratio	Lower	Upper
156	100		
77	192.0	94.0	282.1
158	96.5	48.2	144.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

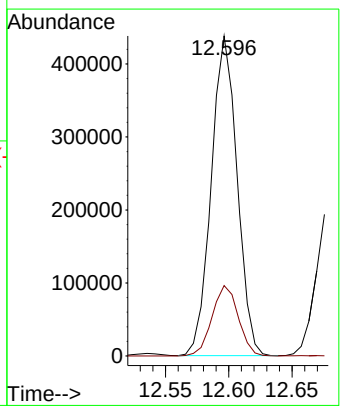
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

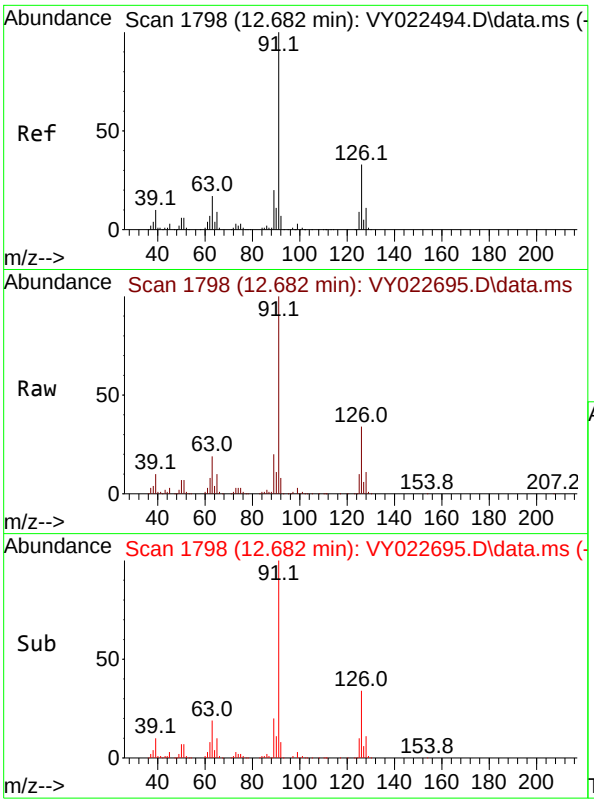


#78
n-propylbenzene
Concen: 53.995 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 91 Resp: 623894

Ion	Ratio	Lower	Upper
91	100		
120	22.2	10.8	32.4

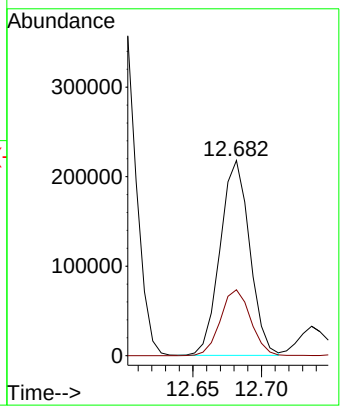




#79
2-Chlorotoluene
Concen: 53.402 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 91 Resp: 32703

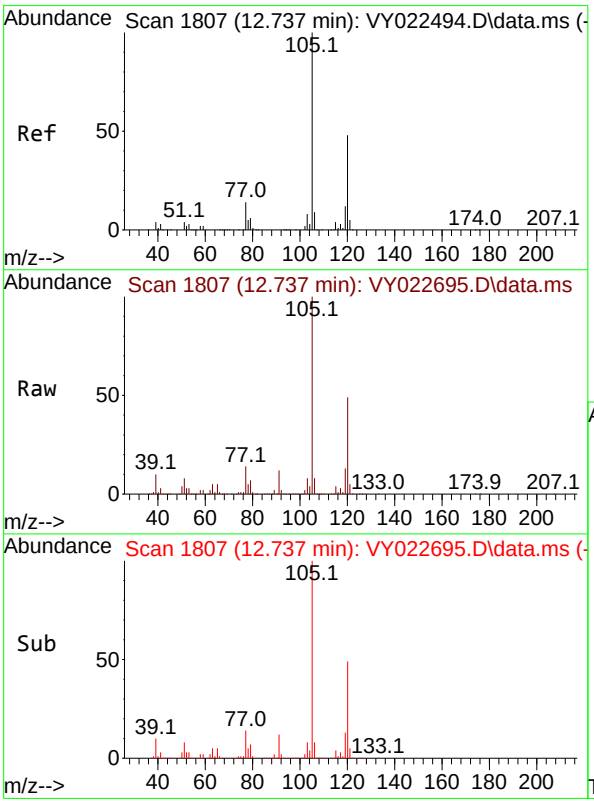
Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.0	51.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

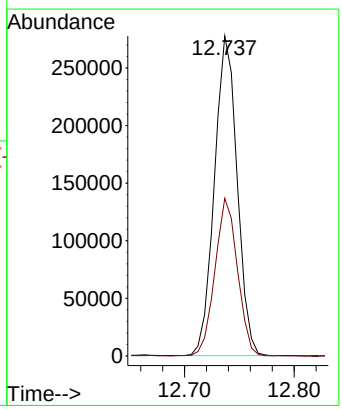
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

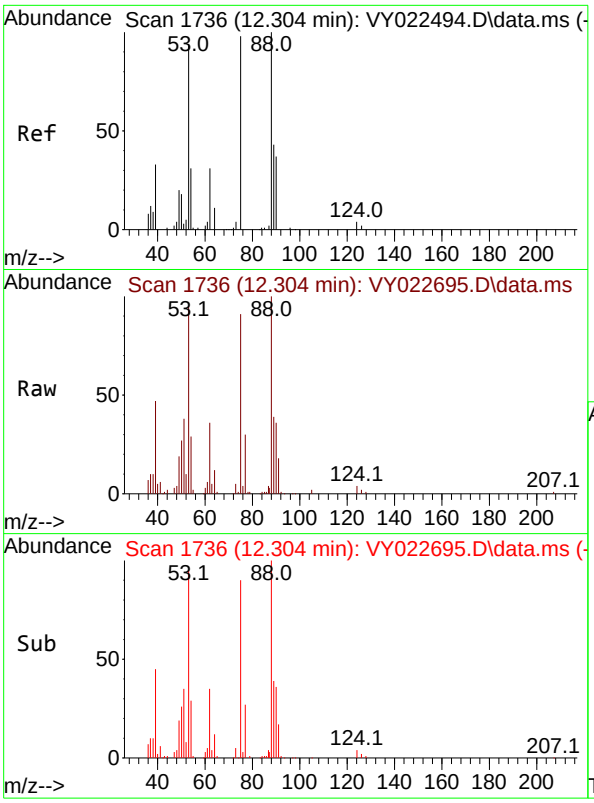


#80
1,3,5-Trimethylbenzene
Concen: 53.859 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:105 Resp: 400018

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.1	72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 47.593 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

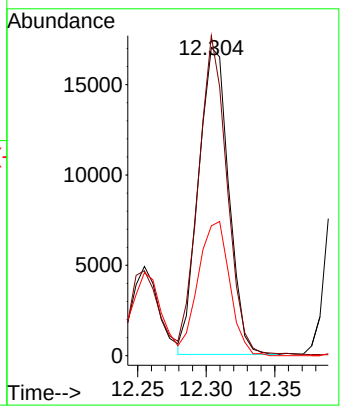
Tgt Ion: 75 Resp: 2598

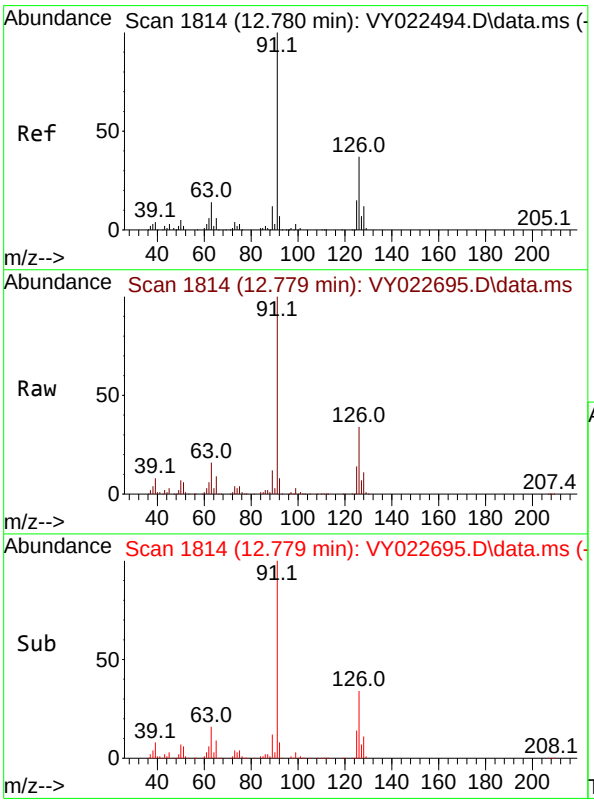
Ion	Ratio	Lower	Upper
75	100		
53	99.9	78.5	117.7
89	45.8	35.7	53.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

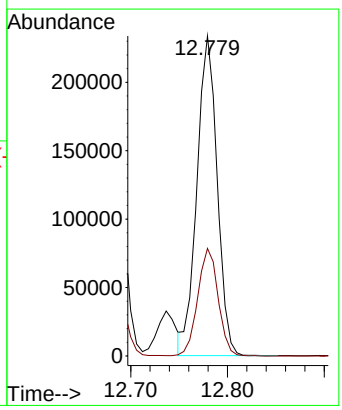


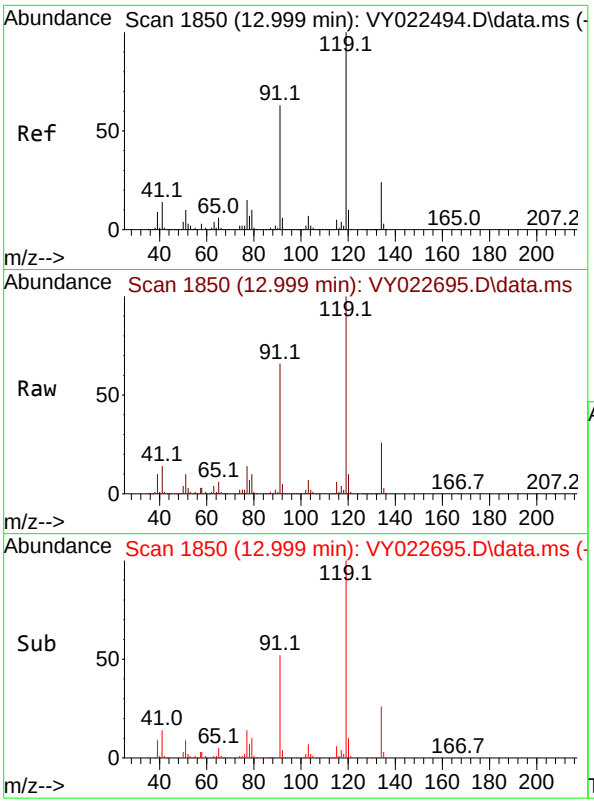


#82
4-Chlorotoluene
Concen: 53.959 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 91 Resp: 340887

Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.0	50.9





#83
tert-Butylbenzene
Concen: 53.513 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

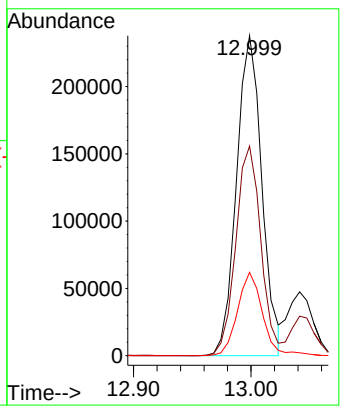
Tgt Ion:119 Resp: 35671

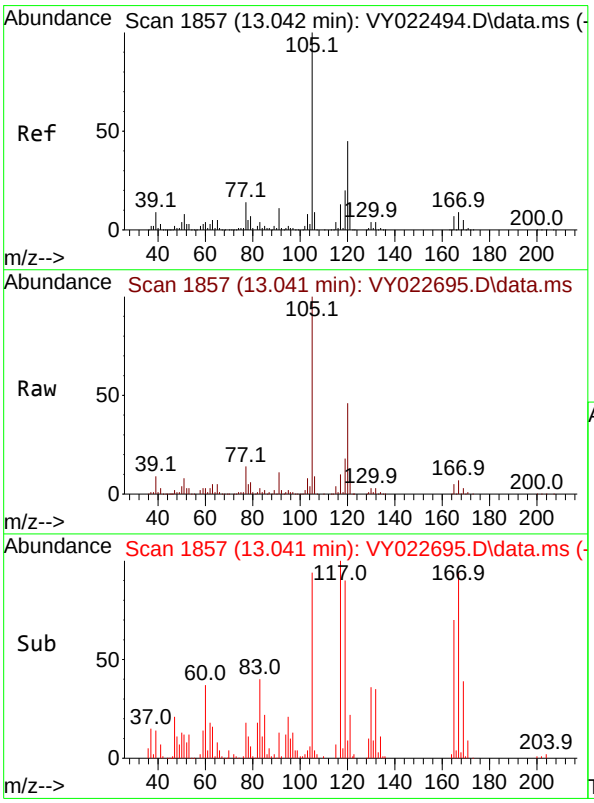
Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.1	96.3
134	25.7	13.0	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

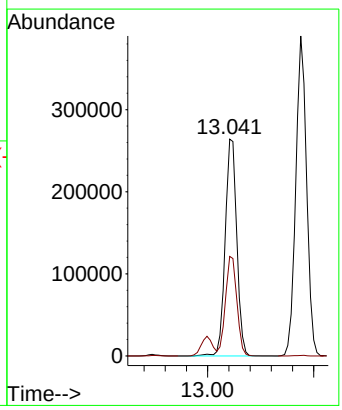


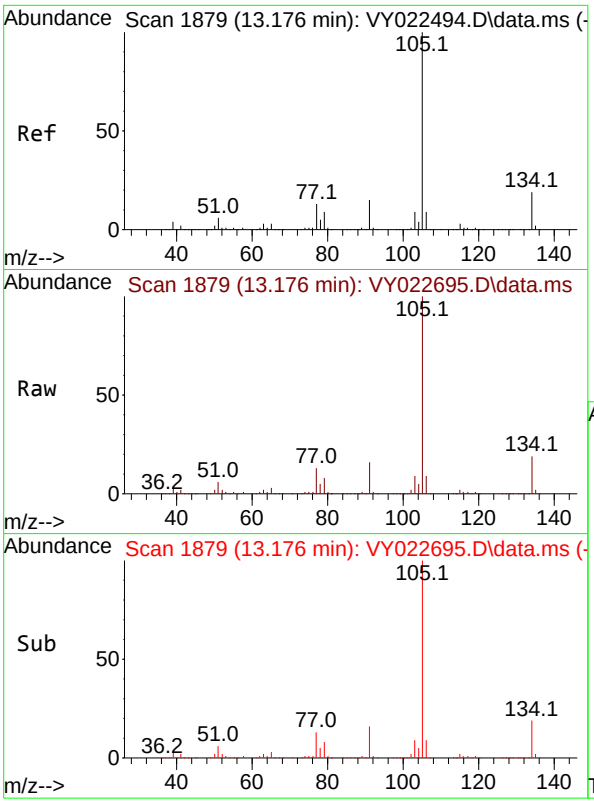


#84
1,2,4-Trimethylbenzene
Concen: 53.979 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:105 Resp: 400978

Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.7	68.1





#85
sec-Butylbenzene
Concen: 54.077 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

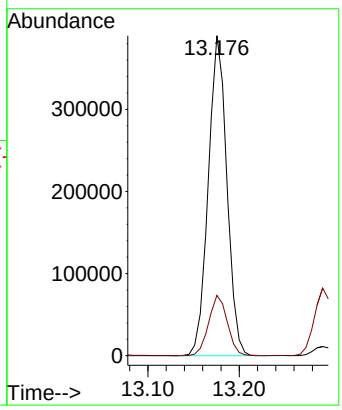
Tgt Ion:105 Resp: 55208

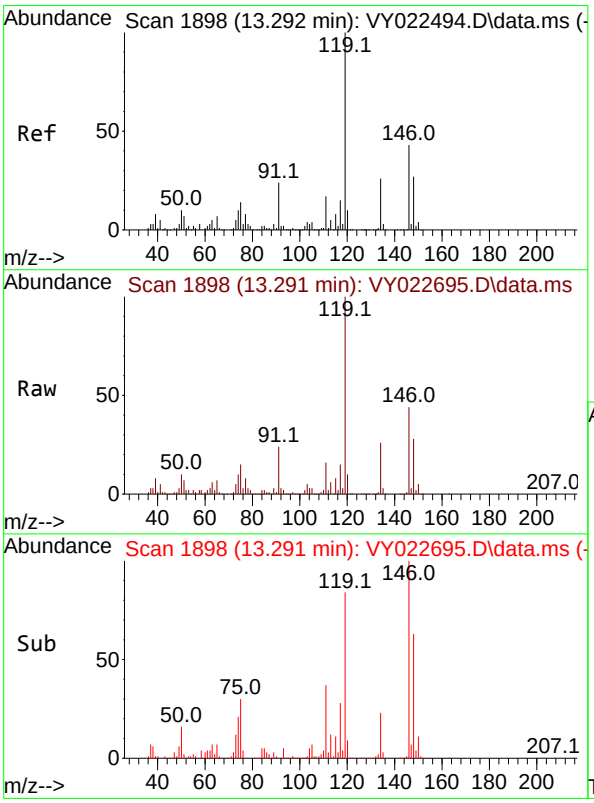
Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.7	28.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

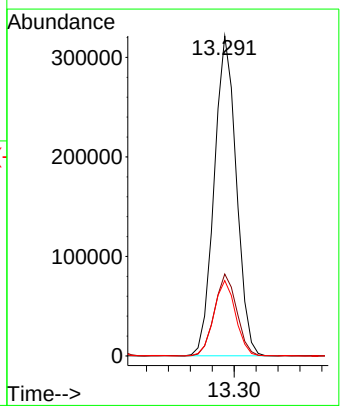


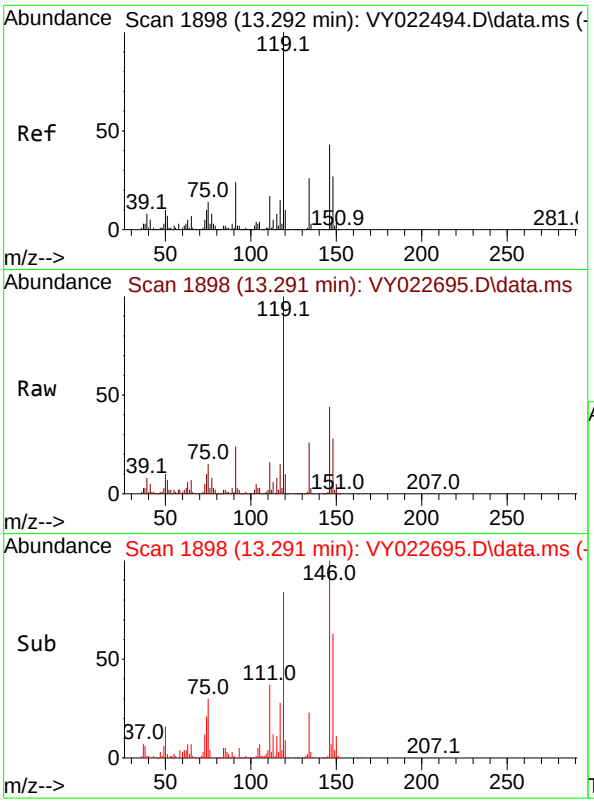


#86
p-Isopropyltoluene
Concen: 53.561 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:119 Resp: 450726

Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.1	39.1
91	23.3	11.6	34.8

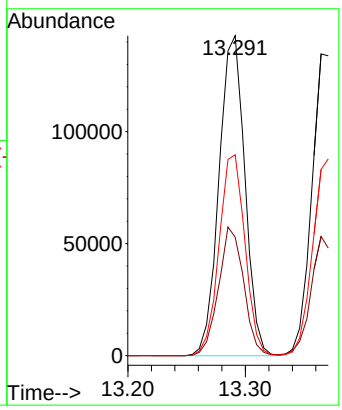




#87
1,3-Dichlorobenzene
Concen: 54.045 ug/l
RT: 13.291 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:146 Resp: 21859

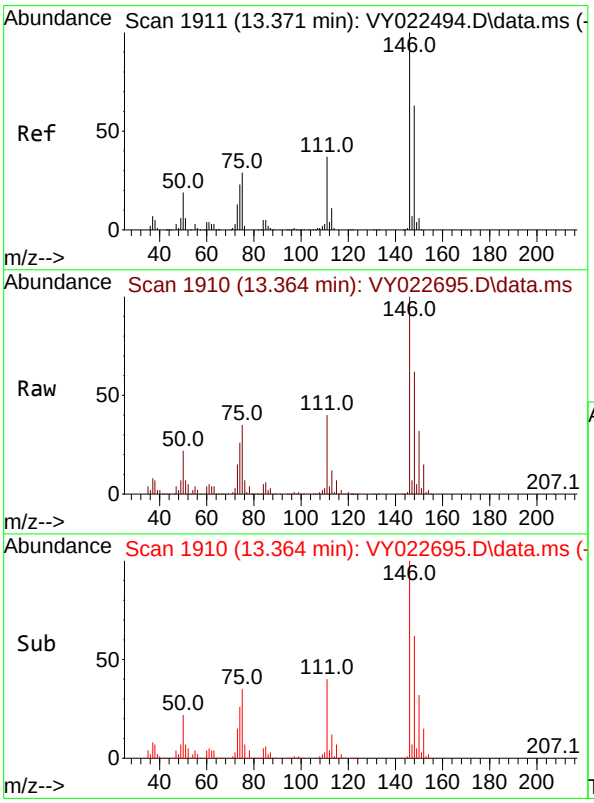
Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.1	60.2
148	63.0	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

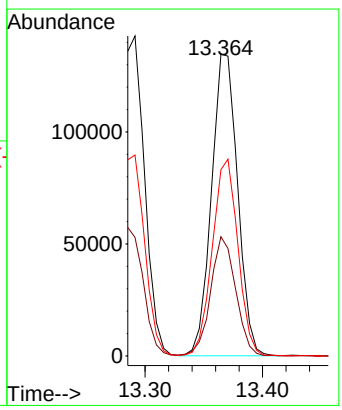
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

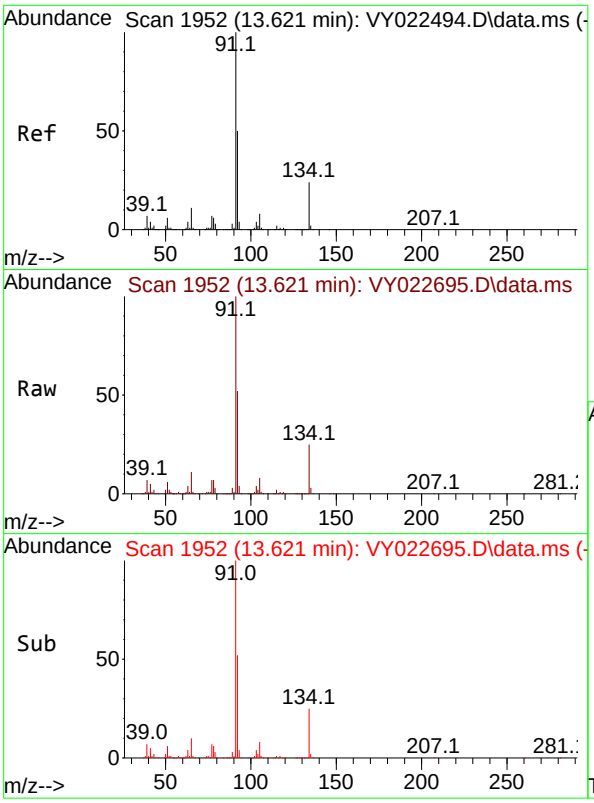


#88
1,4-Dichlorobenzene
Concen: 53.164 ug/l
RT: 13.364 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:146 Resp: 208563

Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.4	58.2
148	63.9	31.6	94.8

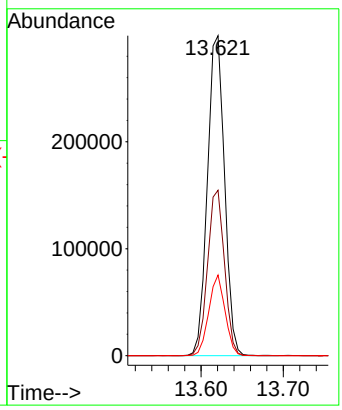




#89
n-Butylbenzene
Concen: 54.225 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 91 Resp: 43292

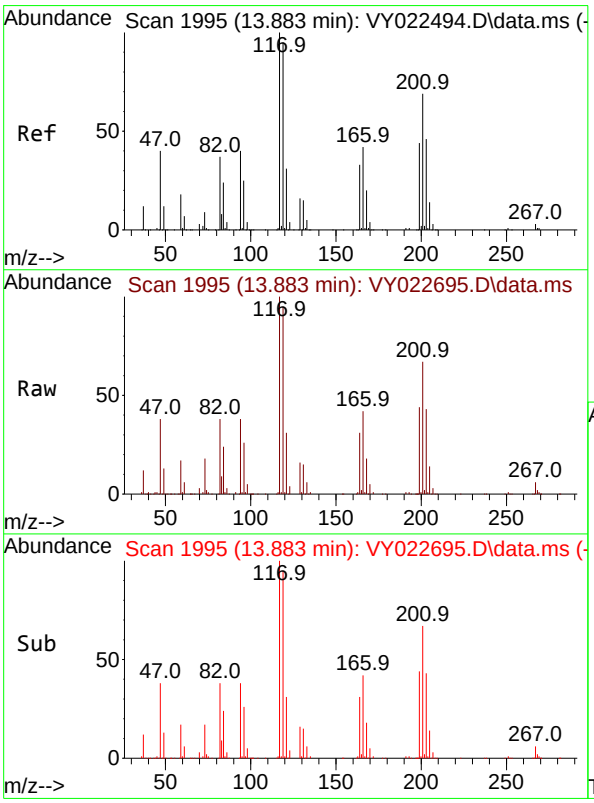
Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.9	77.8
134	24.0	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

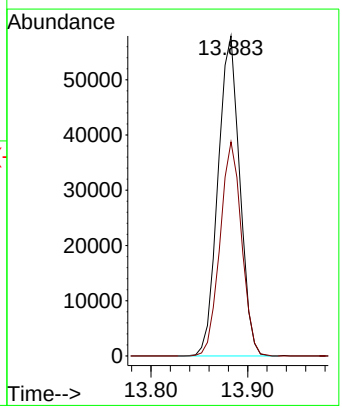
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

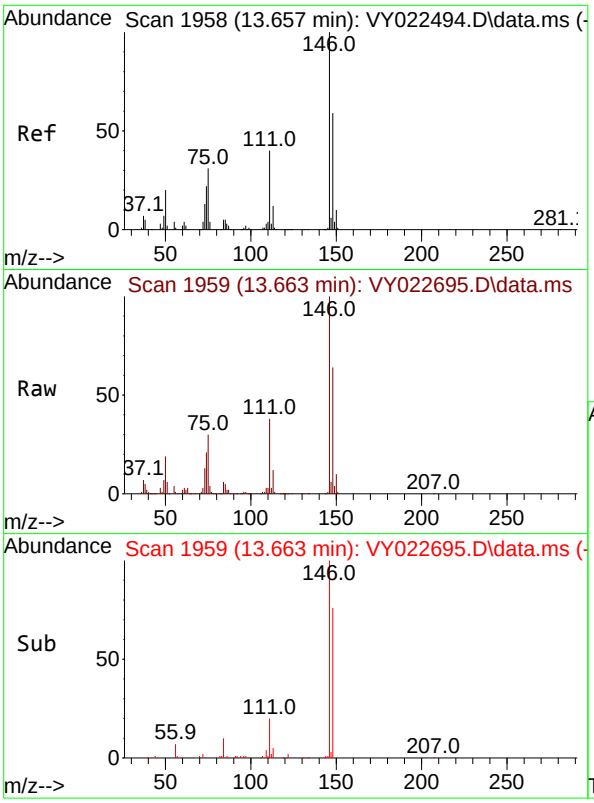


#90
Hexachloroethane
Concen: 55.059 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:117 Resp: 90202

Ion	Ratio	Lower	Upper
117	100		
201	66.5	34.0	102.0

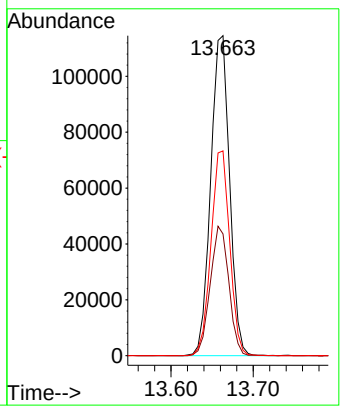




#91
1,2-Dichlorobenzene
Concen: 53.200 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:146 Resp: 18269

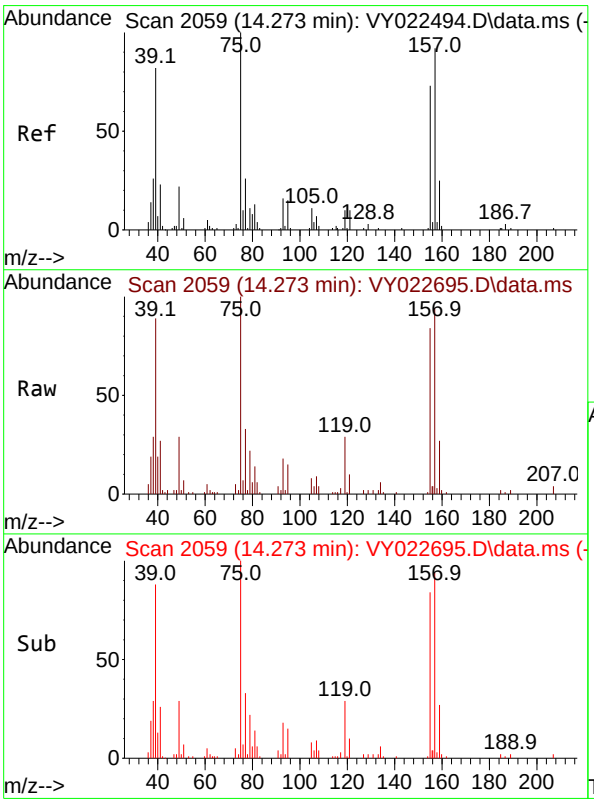
Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.2	60.6
148	63.5	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

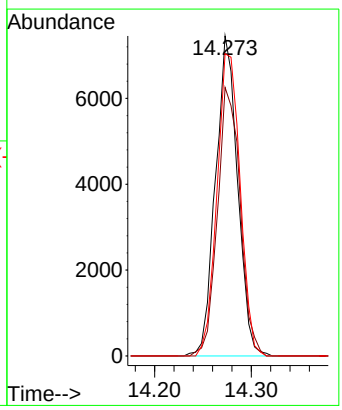
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

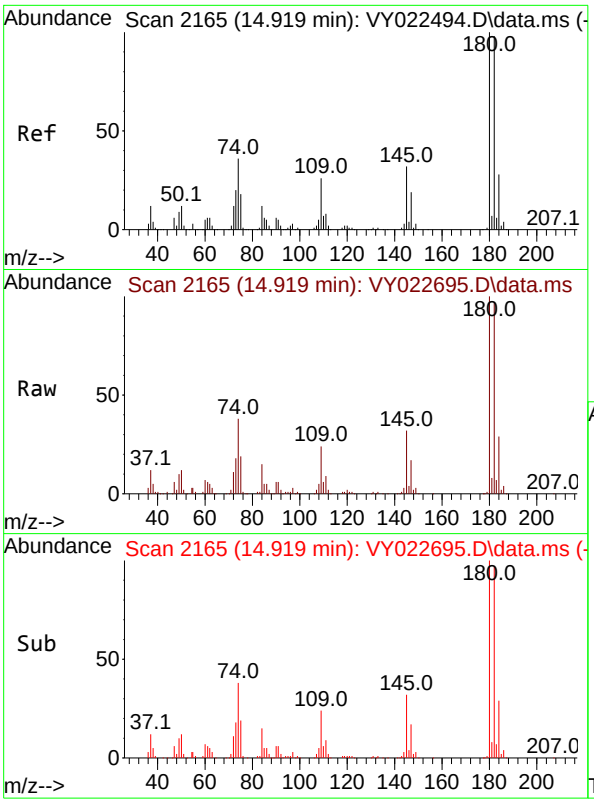


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.084 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 75 Resp: 11774

Ion	Ratio	Lower	Upper
75	100		
155	86.6	39.9	119.6
157	99.0	54.0	162.0

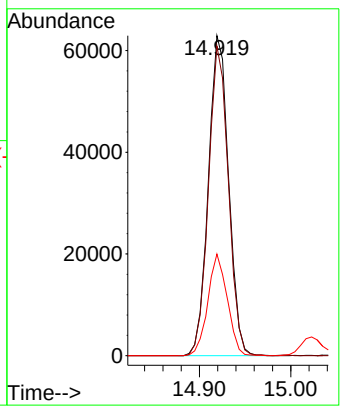




#93
1,2,4-Trichlorobenzene
Concen: 51.592 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:180 Resp: 9662

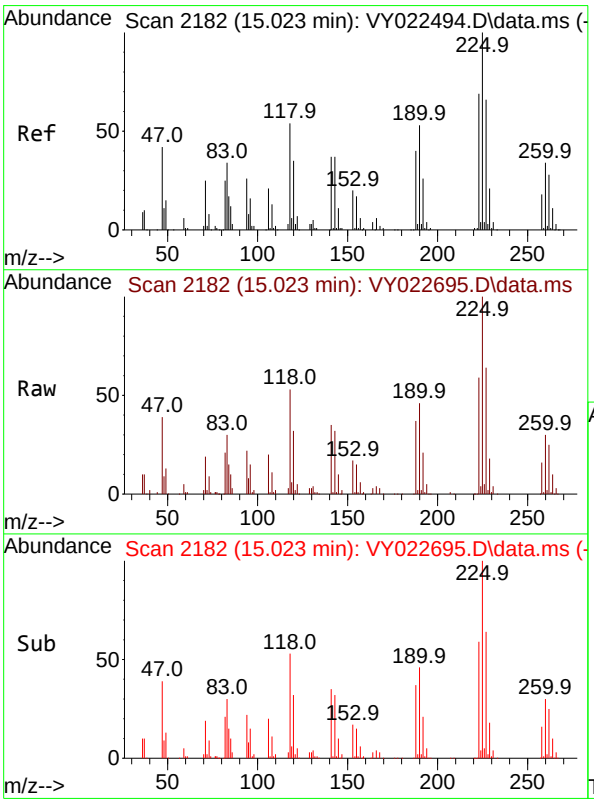
Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.4	145.3
145	30.5	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

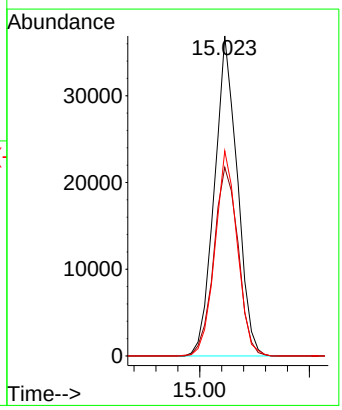
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

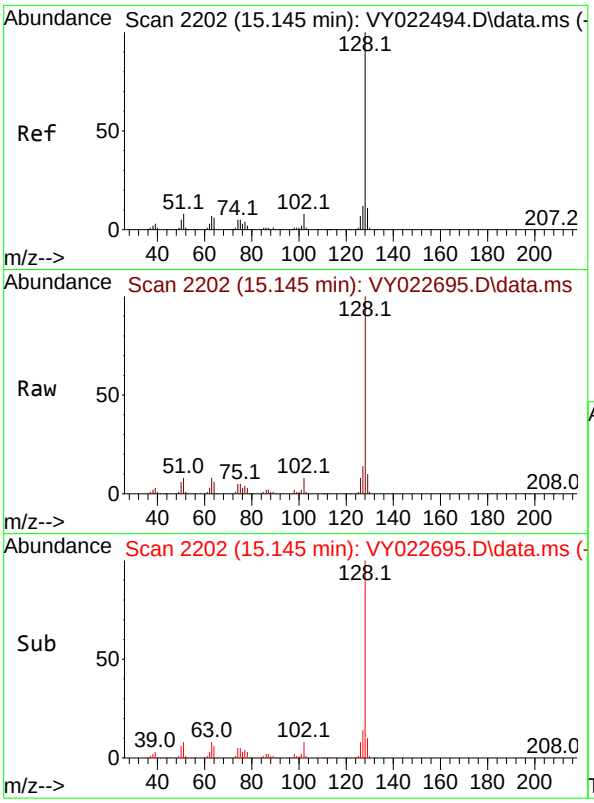


#94
Hexachlorobutadiene
Concen: 51.735 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:225 Resp: 53481

Ion	Ratio	Lower	Upper
225	100		
223	62.6	32.5	97.4
227	62.4	32.3	96.9

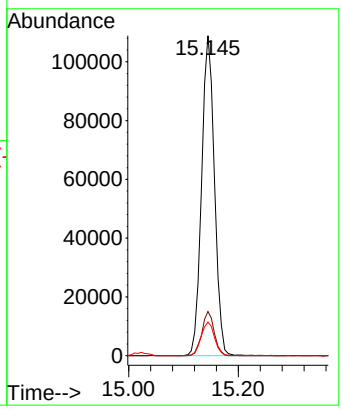




#95
Naphthalene
Concen: 49.227 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:128 Resp: 17693

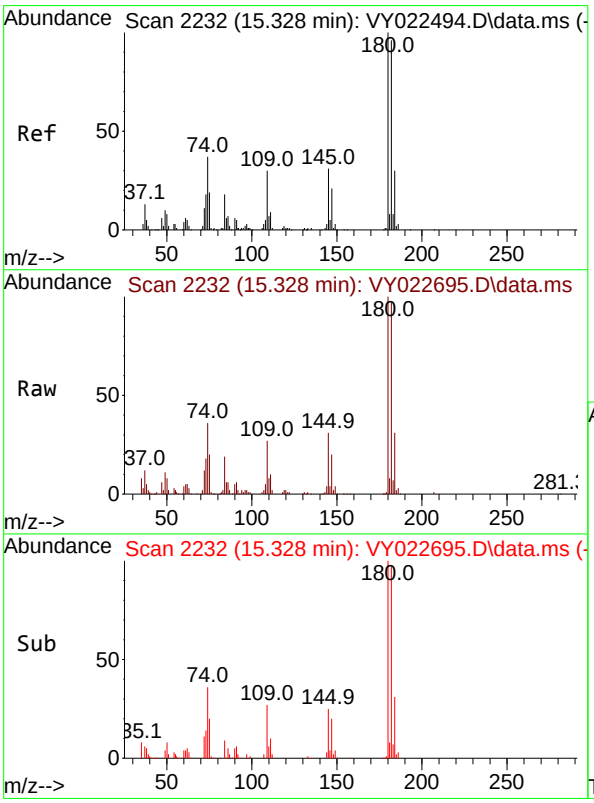
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.8	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

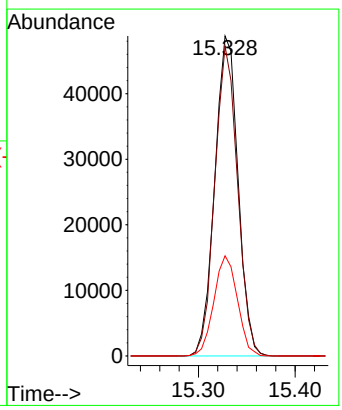
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.769 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:180 Resp: 81492

Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.1	141.3
145	31.6	15.2	45.6



Evaluate Continuing Calibration Report

Sample Results: **VY022695.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022695.D
Acq On : 16 Jun 2025 08:31
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: Jun 17 05:49:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	83	0.00
2	T	Dichlorodifluoromethane	0.448	0.399	10.9	80	0.00
3	P	Chloromethane	1.322	1.300	1.7	88	0.00
4	C	Vinyl Chloride	1.534	1.652	-7.7#	92	0.00
5	T	Bromomethane	1.470	1.280	12.9	86	0.00
6	T	Chloroethane	1.053	1.092	-3.7	94	0.00
7	T	Trichlorofluoromethane	1.302	1.349	-3.6	92	0.00
8	T	Diethyl Ether	0.293	0.297	-1.4	85	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.549	0.554	-0.9	86	0.00
10	T	Methyl Iodide	0.594	0.611	-2.9	79	0.00
11	T	Tert butyl alcohol	0.040	0.039	2.5	82	-0.01
12	CM	1,1-Dichloroethene	0.524	0.538	-2.7#	86	0.00
13	T	Acrolein	0.050	0.027	46.0#	46#	0.00
14	T	Allyl chloride	0.823	0.835	-1.5	86	0.00
15	T	Acrylonitrile	0.124	0.127	-2.4	84	0.00
16	T	Acetone	0.114	0.137	-20.2	98	0.00
17	T	Carbon Disulfide	1.679	1.608	4.2	80	0.00
18	T	Methyl Acetate	0.336	0.326	3.0	81	0.00
19	T	Methyl tert-butyl Ether	1.477	1.479	-0.1	84	0.00
20	T	Methylene Chloride	0.645	0.604	6.4	87	0.00
21	T	trans-1,2-Dichloroethene	0.587	0.600	-2.2	87	0.00
22	T	Diisopropyl ether	1.832	1.884	-2.8	86	0.00
23	T	Vinyl Acetate	1.084	1.077	0.6	83	0.00
24	P	1,1-Dichloroethane	1.079	1.150	-6.6	90	0.00
25	T	2-Butanone	0.164	0.176	-7.3	87	0.00
26	T	2,2-Dichloropropane	0.954	1.055	-10.6	93	0.00
27	T	cis-1,2-Dichloroethene	0.678	0.713	-5.2	87	0.00
28	T	Bromochloromethane	0.471	0.466	1.1	85	0.00
29	T	Tetrahydrofuran	0.106	0.103	2.8	82	0.00
30	C	Chloroform	1.069	1.145	-7.1#	90	0.00
31	T	Cyclohexane	1.075	1.005	6.5	82	0.00
32	T	1,1,1-Trichloroethane	0.949	1.020	-7.5	89	0.00
33	S	1,2-Dichloroethane-d4	0.559	0.567	-1.4	80	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	82	0.00
35	S	Dibromofluoromethane	0.298	0.316	-6.0	81	0.00
36	T	1,1-Dichloropropene	0.484	0.514	-6.2	87	0.00
37	T	Ethyl Acetate	0.216	0.213	1.4	76	0.00
38	T	Carbon Tetrachloride	0.497	0.538	-8.2	87	0.00
39	T	Methylcyclohexane	0.651	0.660	-1.4	83	0.00
40	TM	Benzene	1.431	1.539	-7.5	88	0.00
41	T	Methacrylonitrile	0.126	0.124	1.6	82	0.00
42	TM	1,2-Dichloroethane	0.391	0.418	-6.9	88	0.00
43	T	Isopropyl Acetate	0.467	0.471	-0.9	81	0.00
44	TM	Trichloroethene	0.350	0.380	-8.6	88	0.00
45	C	1,2-Dichloropropane	0.338	0.369	-9.2#	88	0.00
46	T	Dibromomethane	0.190	0.195	-2.6	83	0.00
47	T	Bromodichloromethane	0.482	0.541	-12.2	91	0.00
48	T	Methyl methacrylate	0.219	0.211	3.7	78	0.00

Sample Results: **VY022695.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022695.D
Acq On : 16 Jun 2025 08:31
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: Jun 17 05:49:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 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	81	0.00
50	S	Toluene-d8	1.206	1.267	-5.1	82	0.00
51	T	4-Methyl-2-Pentanone	0.233	0.241	-3.4	82	0.00
52	CM	Toluene	0.899	0.961	-6.9#	88	0.00
53	T	t-1,3-Dichloropropene	0.452	0.480	-6.2	86	0.00
54	T	cis-1,3-Dichloropropene	0.526	0.570	-8.4	87	0.00
55	T	1,1,2-Trichloroethane	0.243	0.255	-4.9	87	0.00
56	T	Ethyl methacrylate	0.351	0.360	-2.6	82	0.00
57	T	1,3-Dichloropropane	0.430	0.457	-6.3	86	0.00
58	T	2-Chloroethyl Vinyl ether	0.159	0.178	-11.9	92	0.00
59	T	2-Hexanone	0.156	0.165	-5.8	84	0.00
60	T	Dibromochloromethane	0.308	0.331	-7.5	87	0.00
61	T	1,2-Dibromoethane	0.221	0.235	-6.3	87	0.00
62	S	4-Bromofluorobenzene	0.359	0.372	-3.6	82	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	83	0.00
64	T	Tetrachloroethene	0.430	0.509	-18.4	97	0.00
65	PM	Chlorobenzene	1.106	1.172	-6.0	87	0.00
66	T	1,1,1,2-Tetrachloroethane	0.373	0.400	-7.2	87	0.00
67	C	Ethyl Benzene	2.052	2.207	-7.6#	88	0.00
68	T	m/p-Xylenes	0.778	0.838	-7.7	88	0.00
69	T	o-Xylene	0.729	0.778	-6.7	88	0.00
70	T	Styrene	1.206	1.301	-7.9	87	0.00
71	P	Bromoform	0.198	0.210	-6.1	87	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	83	0.00
73	T	Isopropylbenzene	4.105	4.397	-7.1	88	0.00
74	T	N-amyl acetate	1.036	1.041	-0.5	80	0.00
75	P	1,1,2,2-Tetrachloroethane	0.674	0.664	1.5	80	0.00
76	T	1,2,3-Trichloropropane	0.572	0.551	3.7	72	0.00
77	T	Bromobenzene	0.866	0.906	-4.6	86	0.00
78	T	n-propylbenzene	5.014	5.414	-8.0	88	0.00
79	T	2-Chlorotoluene	2.657	2.838	-6.8	88	0.00
80	T	1,3,5-Trimethylbenzene	3.223	3.472	-7.7	88	0.00
81	T	trans-1,4-Dichloro-2-butene	0.237	0.225	5.1	80	0.00
82	T	4-Chlorotoluene	2.741	2.958	-7.9	88	0.00
83	T	tert-Butylbenzene	2.893	3.096	-7.0	88	0.00
84	T	1,2,4-Trimethylbenzene	3.223	3.480	-8.0	89	0.00
85	T	sec-Butylbenzene	4.430	4.791	-8.1	89	0.00
86	T	p-Isopropyltoluene	3.652	3.912	-7.1	88	0.00
87	T	1,3-Dichlorobenzene	1.755	1.897	-8.1	90	0.00
88	T	1,4-Dichlorobenzene	1.702	1.810	-6.3	88	0.00
89	T	n-Butylbenzene	3.464	3.757	-8.5	88	0.00
90	T	Hexachloroethane	0.711	0.783	-10.1	90	0.00
91	T	1,2-Dichlorobenzene	1.490	1.586	-6.4	87	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.098	0.102	-4.1	80	0.00
93	T	1,2,4-Trichlorobenzene	0.813	0.839	-3.2	85	0.00
94	T	Hexachlorobutadiene	0.449	0.464	-3.3	86	0.00
95	T	Naphthalene	1.560	1.536	1.5	78	0.00

Sample Results: **VY022695.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022695.D
Acq On : 16 Jun 2025 08:31
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: Jun 17 05:49:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 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	0.697	0.707	-1.4	83	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY022695.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022695.D
Acq On : 16 Jun 2025 08:31
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: Jun 17 05:49:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	83	0.00
2	T	Dichlorodifluoromethane	50.000	44.527	10.9	80	0.00
3	P	Chloromethane	50.000	49.135	1.7	88	0.00
4	C	Vinyl Chloride	50.000	53.832	-7.7#	92	0.00
5	T	Bromomethane	50.000	43.541	12.9	86	0.00
6	T	Chloroethane	50.000	51.850	-3.7	94	0.00
7	T	Trichlorofluoromethane	50.000	51.791	-3.6	92	0.00
8	T	Diethyl Ether	50.000	50.546	-1.1	85	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.527	-1.1	86	0.00
10	T	Methyl Iodide	50.000	51.476	-3.0	79	0.00
11	T	Tert butyl alcohol	250.000	244.231	2.3	82	-0.01
12	CM	1,1-Dichloroethene	50.000	51.348	-2.7#	86	0.00
13	T	Acrolein	250.000	134.507	46.2#	46	0.00
14	T	Allyl chloride	50.000	50.695	-1.4	86	0.00
15	T	Acrylonitrile	250.000	255.955	-2.4	84	0.00
16	T	Acetone	250.000	301.650	-20.7	98	0.00
17	T	Carbon Disulfide	50.000	47.880	4.2	80	0.00
18	T	Methyl Acetate	50.000	48.412	3.2	81	0.00
19	T	Methyl tert-butyl Ether	50.000	50.072	-0.1	84	0.00
20	T	Methylene Chloride	50.000	46.790	6.4	87	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.138	-2.3	87	0.00
22	T	Diisopropyl ether	50.000	51.414	-2.8	86	0.00
23	T	Vinyl Acetate	250.000	248.368	0.7	83	0.00
24	P	1,1-Dichloroethane	50.000	53.252	-6.5	90	0.00
25	T	2-Butanone	250.000	267.970	-7.2	87	0.00
26	T	2,2-Dichloropropane	50.000	55.325	-10.7	93	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.525	-5.0	87	0.00
28	T	Bromochloromethane	50.000	49.494	1.0	85	0.00
29	T	Tetrahydrofuran	250.000	243.169	2.7	82	0.00
30	C	Chloroform	50.000	53.568	-7.1#	90	0.00
31	T	Cyclohexane	50.000	46.765	6.5	82	0.00
32	T	1,1,1-Trichloroethane	50.000	53.742	-7.5	89	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.716	-1.4	80	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	82	0.00
35	S	Dibromofluoromethane	50.000	53.004	-6.0	81	0.00
36	T	1,1-Dichloropropene	50.000	53.025	-6.0	87	0.00
37	T	Ethyl Acetate	50.000	49.193	1.6	76	0.00
38	T	Carbon Tetrachloride	50.000	54.143	-8.3	87	0.00
39	T	Methylcyclohexane	50.000	50.734	-1.5	83	0.00
40	TM	Benzene	50.000	53.785	-7.6	88	0.00
41	T	Methacrylonitrile	50.000	49.263	1.5	82	0.00
42	TM	1,2-Dichloroethane	50.000	53.518	-7.0	88	0.00
43	T	Isopropyl Acetate	50.000	50.490	-1.0	81	0.00
44	TM	Trichloroethene	50.000	54.378	-8.8	88	0.00
45	C	1,2-Dichloropropane	50.000	54.586	-9.2#	88	0.00
46	T	Dibromomethane	50.000	51.221	-2.4	83	0.00
47	T	Bromodichloromethane	50.000	56.070	-12.1	91	0.00
48	T	Methyl methacrylate	50.000	48.272	3.5	78	0.00

Sample Results: **VY022695.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022695.D
Acq On : 16 Jun 2025 08:31
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: Jun 17 05:49:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 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	953.015	4.7	81	0.00
50	S	Toluene-d8	50.000	52.532	-5.1	82	0.00
51	T	4-Methyl-2-Pentanone	250.000	259.021	-3.6	82	0.00
52	CM	Toluene	50.000	53.455	-6.9#	88	0.00
53	T	t-1,3-Dichloropropene	50.000	53.075	-6.2	86	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.182	-8.4	87	0.00
55	T	1,1,2-Trichloroethane	50.000	52.659	-5.3	87	0.00
56	T	Ethyl methacrylate	50.000	51.277	-2.6	82	0.00
57	T	1,3-Dichloropropane	50.000	53.110	-6.2	86	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	280.349	-12.1	92	0.00
59	T	2-Hexanone	250.000	265.800	-6.3	84	0.00
60	T	Dibromochloromethane	50.000	53.703	-7.4	87	0.00
61	T	1,2-Dibromoethane	50.000	53.207	-6.4	87	0.00
62	S	4-Bromofluorobenzene	50.000	51.786	-3.6	82	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	83	0.00
64	T	Tetrachloroethene	50.000	59.140	-18.3	97	0.00
65	PM	Chlorobenzene	50.000	52.982	-6.0	87	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.599	-7.2	87	0.00
67	C	Ethyl Benzene	50.000	53.780	-7.6#	88	0.00
68	T	m/p-Xylenes	100.000	107.748	-7.7	88	0.00
69	T	o-Xylene	50.000	53.302	-6.6	88	0.00
70	T	Styrene	50.000	53.948	-7.9	87	0.00
71	P	Bromoform	50.000	53.026	-6.1	87	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	83	0.00
73	T	Isopropylbenzene	50.000	53.555	-7.1	88	0.00
74	T	N-amyl acetate	50.000	50.251	-0.5	80	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.254	1.5	80	0.00
76	T	1,2,3-Trichloropropane	50.000	48.133	3.7	72	0.00
77	T	Bromobenzene	50.000	52.278	-4.6	86	0.00
78	T	n-propylbenzene	50.000	53.995	-8.0	88	0.00
79	T	2-Chlorotoluene	50.000	53.402	-6.8	88	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.859	-7.7	88	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.593	4.8	80	0.00
82	T	4-Chlorotoluene	50.000	53.959	-7.9	88	0.00
83	T	tert-Butylbenzene	50.000	53.513	-7.0	88	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.979	-8.0	89	0.00
85	T	sec-Butylbenzene	50.000	54.077	-8.2	89	0.00
86	T	p-Isopropyltoluene	50.000	53.561	-7.1	88	0.00
87	T	1,3-Dichlorobenzene	50.000	54.045	-8.1	90	0.00
88	T	1,4-Dichlorobenzene	50.000	53.164	-6.3	88	0.00
89	T	n-Butylbenzene	50.000	54.225	-8.5	88	0.00
90	T	Hexachloroethane	50.000	55.059	-10.1	90	0.00
91	T	1,2-Dichlorobenzene	50.000	53.200	-6.4	87	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.084	-4.2	80	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.592	-3.2	85	0.00
94	T	Hexachlorobutadiene	50.000	51.735	-3.5	86	0.00
95	T	Naphthalene	50.000	49.227	1.5	78	0.00

Sample Results: **VY022695.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022695.D
Acq On : 16 Jun 2025 08:31
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: Jun 17 05:49:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.769	-1.5	83	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY022710.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: TETR06

Lab Code: CHEM Case No.: Q2314 SAS No.: Q2314 SDG No.: Q2314

Instrument ID: MSVOA_Y Calibration Date/Time: 06/16/2025 16:55

Lab File ID: VY022710.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	1.322	1.431	0.1	8.24	50
Vinyl Chloride	1.534	1.755		14.41	50
Bromomethane	1.470	1.602		8.98	50
Chloroethane	1.053	1.331		26.4	50
Trichlorofluoromethane	1.302	1.567		20.35	50
1,1,2-Trichlorotrifluoroethane	0.549	0.541		-1.46	50
1,1-Dichloroethene	0.524	0.521		-0.57	50
Acetone	0.114	0.112		-1.75	50
Carbon Disulfide	1.679	1.535		-8.58	50
Methyl tert-butyl Ether	1.477	1.536		3.99	50
Methylene Chloride	0.645	0.688		6.67	50
trans-1,2-Dichloroethene	0.587	0.604		2.9	50
1,1-Dichloroethane	1.079	1.125	0.1	4.26	50
2-Butanone	0.164	0.169		3.05	50
Carbon Tetrachloride	0.497	0.501		0.81	50
cis-1,2-Dichloroethene	0.678	0.724		6.78	50
Chloroform	1.069	1.172		9.64	50
1,1,1-Trichloroethane	0.949	1.002		5.59	50
Methylcyclohexane	0.651	0.603		-7.37	50
Benzene	1.431	1.492		4.26	50
1,2-Dichloroethane	0.391	0.412		5.37	50
Trichloroethene	0.350	0.372		6.29	50
1,2-Dichloropropane	0.338	0.357		5.62	50
Bromodichloromethane	0.482	0.531		10.17	50
4-Methyl-2-Pentanone	0.233	0.245		5.15	50
Toluene	0.899	0.931		3.56	50
t-1,3-Dichloropropene	0.452	0.473		4.65	50
cis-1,3-Dichloropropene	0.526	0.545		3.61	50
1,1,2-Trichloroethane	0.243	0.258		6.17	50
2-Hexanone	0.156	0.160		2.56	50
Dibromochloromethane	0.308	0.325		5.52	50
Tetrachloroethene	0.430	0.520		20.93	50
Chlorobenzene	1.106	1.156	0.3	4.52	50
Ethyl Benzene	2.052	2.121		3.36	50
m/p-Xylenes	0.778	0.812		4.37	50
o-Xylene	0.729	0.755		3.57	50
Styrene	1.206	1.265		4.89	50
Bromoform	0.198	0.208	0.1	5.05	50

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

Raw Data: **VY022710.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2314 SAS No.: Q2314 SDG No.: Q2314

Instrument ID: MSVOA_Y Calibration Date/Time: 06/16/2025 16:55

Lab File ID: VY022710.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	4.105	4.072		-0.8	50
1,1,2,2-Tetrachloroethane	0.674	0.644	0.3	-4.45	50
1,3-Dichlorobenzene	1.755	1.800		2.56	50
1,4-Dichlorobenzene	1.702	1.711		0.53	50
1,2-Dichlorobenzene	1.490	1.526		2.42	50
1,2-Dichloroethane-d4	0.559	0.579		3.58	50
Dibromofluoromethane	0.298	0.313		5.03	50
Toluene-d8	1.206	1.250		3.65	50
4-Bromofluorobenzene	0.359	0.359		0	50

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\VY061625\
Data File : VY022710.D
Acq On : 16 Jun 2025 16:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 17 05:56:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	137947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	236748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	203484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	98158	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	79891	51.781	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.560%			
35) Dibromofluoromethane	7.640	113	74089	52.430	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.860%			
50) Toluene-d8	10.109	98	295921	51.827	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.660%			
62) 4-Bromofluorobenzene	12.402	95	85060	49.999	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	53360	43.205	ug/l	98
3) Chloromethane	2.068	50	197398	54.102	ug/l	99
4) Vinyl Chloride	2.202	62	242113	57.201	ug/l	99
5) Bromomethane	2.598	94	220975	54.469	ug/l	99
6) Chloroethane	2.733	64	183580	63.190	ug/l	95
7) Trichlorofluoromethane	3.050	101	216199	60.168	ug/l	97
8) Diethyl Ether	3.458	74	42296	52.268	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	74678	49.345	ug/l	99
10) Methyl Iodide	4.007	142	80934	49.418	ug/l	96
11) Tert butyl alcohol	4.891	59	28143	255.390	ug/l #	88
12) 1,1-Dichloroethene	3.793	96	71802	49.635	ug/l	99
13) Acrolein	3.653	56	12062	87.831	ug/l	100
14) Allyl chloride	4.385	41	107347	47.269	ug/l	97
15) Acrylonitrile	5.068	53	90158	263.071	ug/l	99
16) Acetone	3.885	43	77215	246.431	ug/l	100
17) Carbon Disulfide	4.104	76	211760	45.723	ug/l	100
18) Methyl Acetate	4.391	43	49168	52.991	ug/l	95
19) Methyl tert-butyl Ether	5.122	73	211954	52.020	ug/l	99
20) Methylene Chloride	4.610	84	94933	53.338	ug/l	93
21) trans-1,2-Dichloroethene	5.116	96	83360	51.487	ug/l	96
22) Diisopropyl ether	6.025	45	257814	51.002	ug/l	98
23) Vinyl Acetate	5.964	43	746275	249.432	ug/l	100
24) 1,1-Dichloroethane	5.915	63	155258	52.136	ug/l	100
25) 2-Butanone	6.896	43	116552	257.879	ug/l	99
26) 2,2-Dichloropropane	6.890	77	130505	49.599	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	99882	53.374	ug/l	99
28) Bromochloromethane	7.244	49	69854	53.812	ug/l	98
29) Tetrahydrofuran	7.274	42	73976	253.774	ug/l	98
30) Chloroform	7.427	83	161650	54.803	ug/l	96
31) Cyclohexane	7.701	56	129044	43.527	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	138210	52.784	ug/l	99
36) 1,1-Dichloropropene	7.841	75	114209	49.798	ug/l	99
37) Ethyl Acetate	6.988	43	53594	52.401	ug/l	99
38) Carbon Tetrachloride	7.823	117	118602	50.410	ug/l	94
39) Methylcyclohexane	9.109	83	142791	46.329	ug/l	97
40) Benzene	8.085	78	353278	52.152	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022710.D
Acq On : 16 Jun 2025 16:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 17 05:56:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	27605	46.208	ug/l		92
42) 1,2-Dichloroethane	8.158	62	97435	52.679	ug/l		98
43) Isopropyl Acetate	8.201	43	110618	50.078	ug/l	#	87
44) Trichloroethene	8.866	130	88158	53.249	ug/l		96
45) 1,2-Dichloropropane	9.146	63	84424	52.735	ug/l		97
46) Dibromomethane	9.231	93	48571	53.929	ug/l		98
47) Bromodichloromethane	9.426	83	125778	55.076	ug/l		96
48) Methyl methacrylate	9.225	41	49755m	47.993	ug/l		
49) 1,4-Dioxane	9.238	88	10690	1001.869	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.000	43	290539	263.816	ug/l		97
52) Toluene	10.170	92	220323	51.756	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	112095	52.386	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	129022	51.799	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	60981	53.099	ug/l		96
56) Ethyl methacrylate	10.438	69	88101	53.077	ug/l		98
57) 1,3-Dichloropropane	10.719	76	107943	53.030	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	224931	298.467	ug/l		99
59) 2-Hexanone	10.762	43	189682	257.533	ug/l		99
60) Dibromochloromethane	10.908	129	76892	52.685	ug/l		100
61) 1,2-Dibromoethane	11.018	107	56609	54.081	ug/l		95
64) Tetrachloroethene	10.646	164	105891	60.495	ug/l		98
65) Chlorobenzene	11.444	112	235204	52.235	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	79045	52.110	ug/l		98
67) Ethyl Benzene	11.518	91	431523	51.668	ug/l		100
68) m/p-Xylenes	11.627	106	330599	104.419	ug/l		98
69) o-Xylene	11.957	106	153726	51.787	ug/l		99
70) Styrene	11.969	104	257498	52.478	ug/l		99
71) Bromoform	12.133	173	42419	52.550	ug/l	#	100
73) Isopropylbenzene	12.255	105	399654	49.592	ug/l		100
74) N-amyl acetate	12.072	43	101040	49.690	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	63203	47.785	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	50303m	44.795	ug/l		
77) Bromobenzene	12.530	156	86412	50.813	ug/l		99
78) n-propylbenzene	12.591	91	485449	49.320	ug/l		100
79) 2-Chlorotoluene	12.676	91	257235	49.309	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	313586	49.564	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	21628	46.511	ug/l		98
82) 4-Chlorotoluene	12.773	91	268269	49.849	ug/l		97
83) tert-Butylbenzene	12.999	119	280929	49.473	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	311927	49.294	ug/l		99
85) sec-Butylbenzene	13.176	105	428513	49.273	ug/l		100
86) p-Isopropyltoluene	13.292	119	353631	49.331	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	176700	51.283	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	167976	50.264	ug/l		99
89) n-Butylbenzene	13.615	91	335470	49.325	ug/l		99
90) Hexachloroethane	13.877	117	70503	50.519	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	149774	51.198	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10404	54.027	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	81823	51.284	ug/l		96
94) Hexachlorobutadiene	15.023	225	44418	50.440	ug/l		96
95) Naphthalene	15.145	128	157488	51.437	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	69177	50.592	ug/l		99

Sample Results: **VY022710.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022710.D
Acq On : 16 Jun 2025 16:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 17 05:56:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

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

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

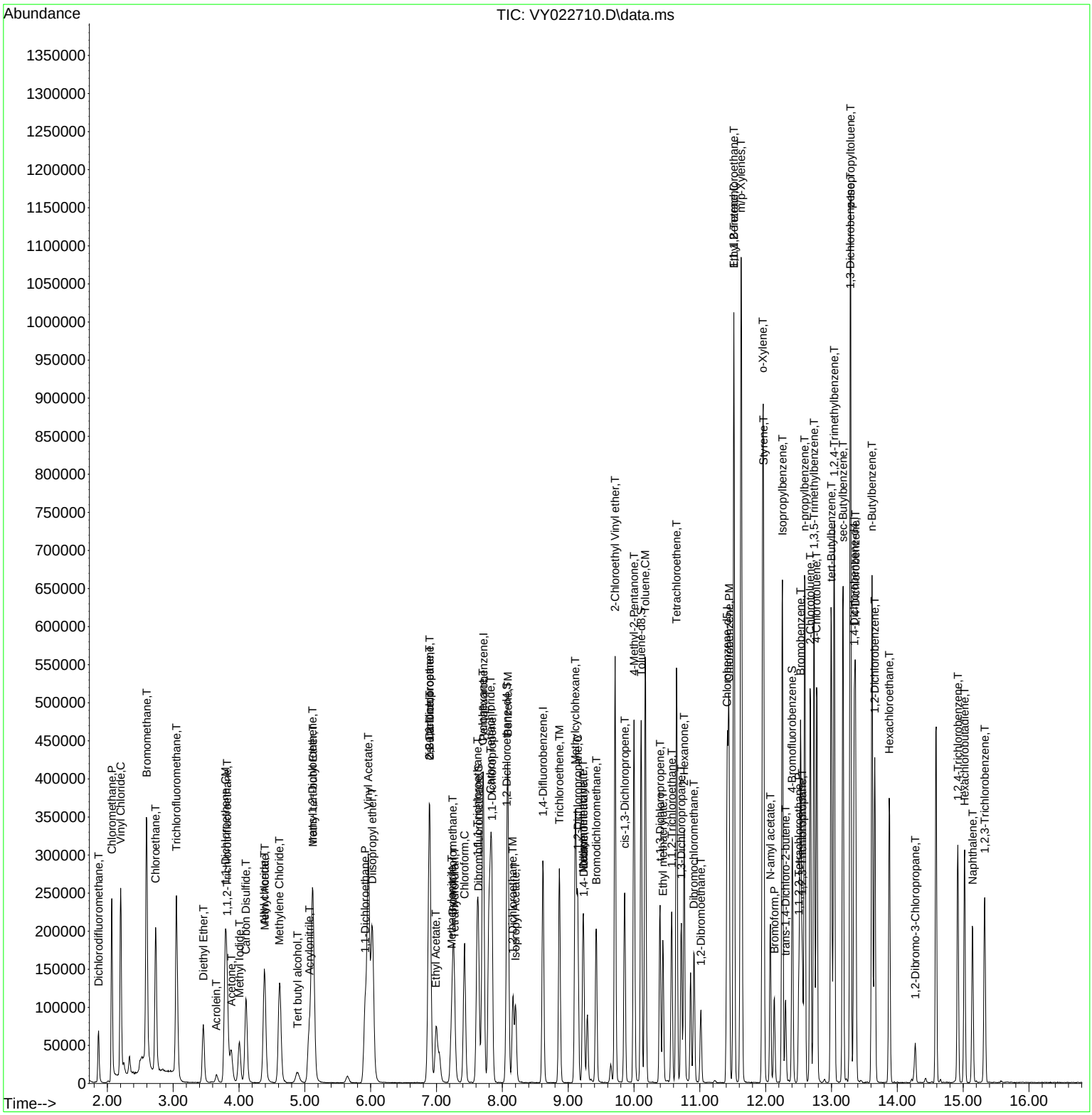
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022710.D
Acq On : 16 Jun 2025 16:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

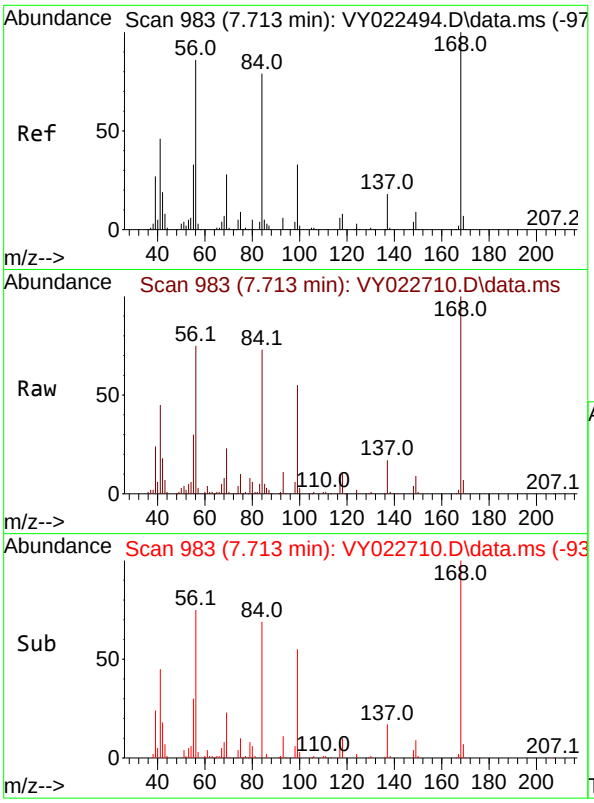
Quant Time: Jun 17 05:56:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

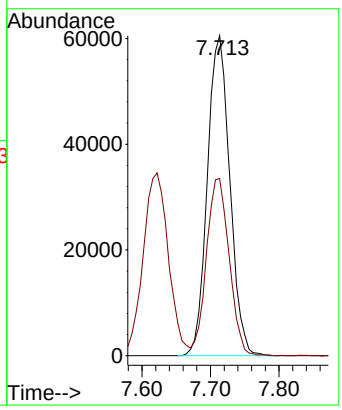




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:168 Resp: 13794

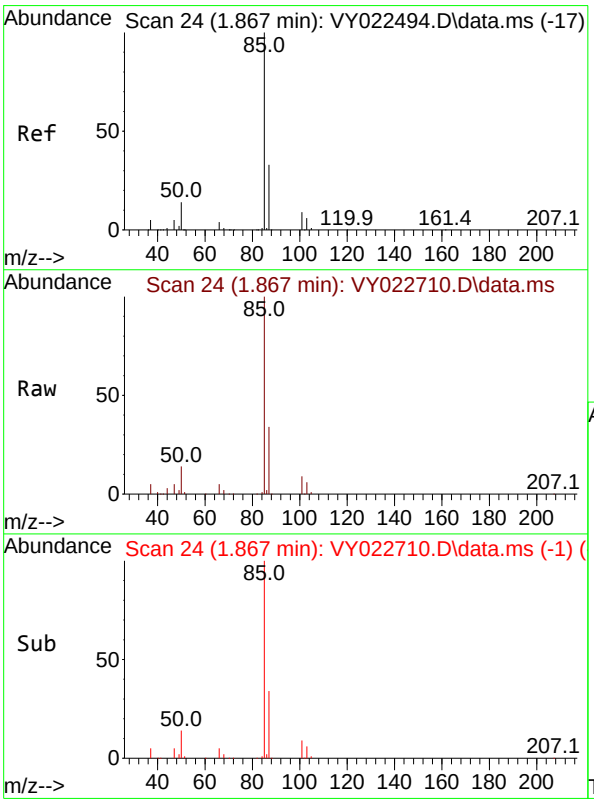
Ion	Ratio	Lower	Upper
168	100		
99	55.4	44.3	66.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

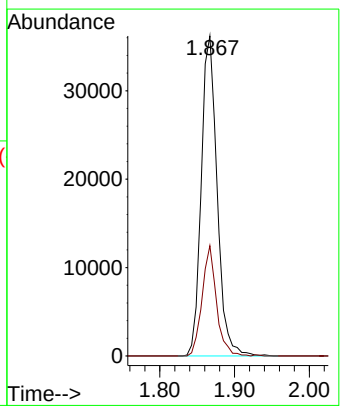
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

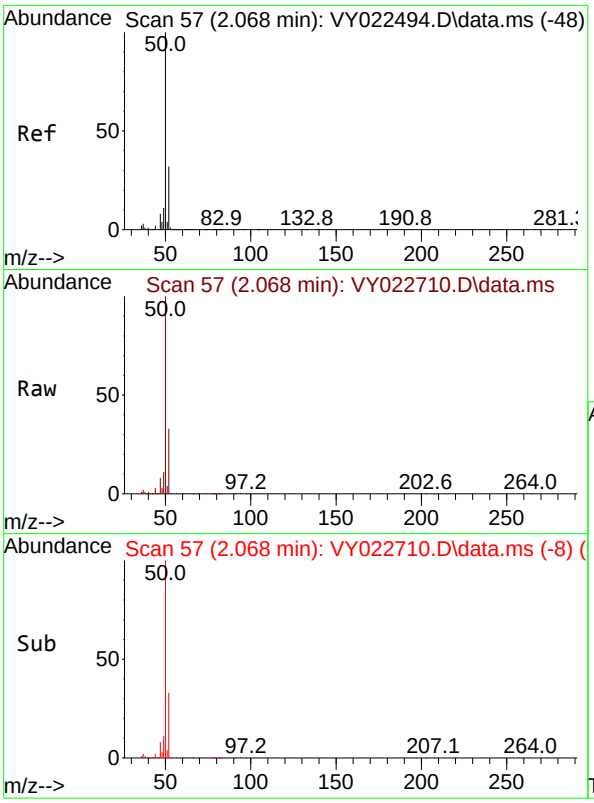


#2
Dichlorodifluoromethane
Concen: 43.205 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 85 Resp: 53360

Ion	Ratio	Lower	Upper
85	100		
87	34.4	16.7	50.0

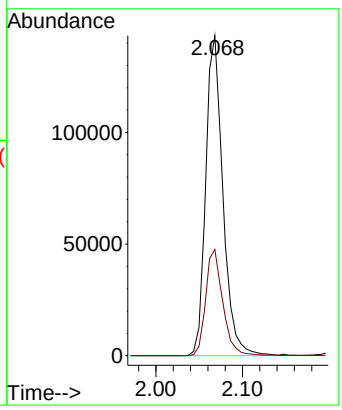




#3
Chloromethane
Concen: 54.102 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 50 Resp: 19739

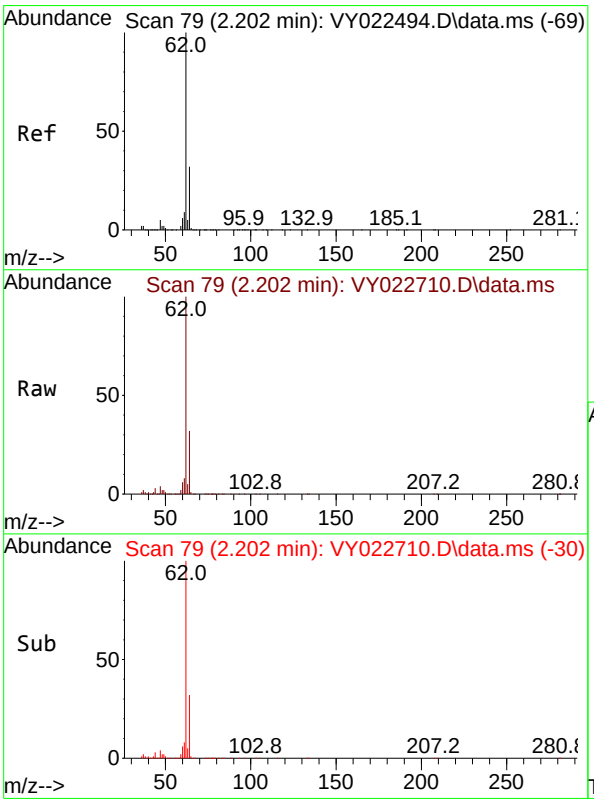
Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

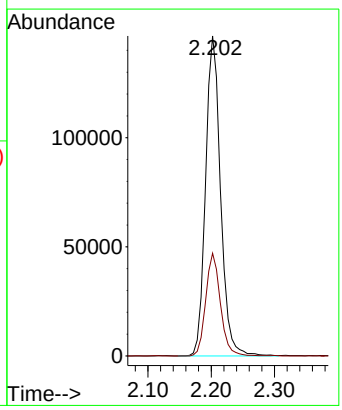
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

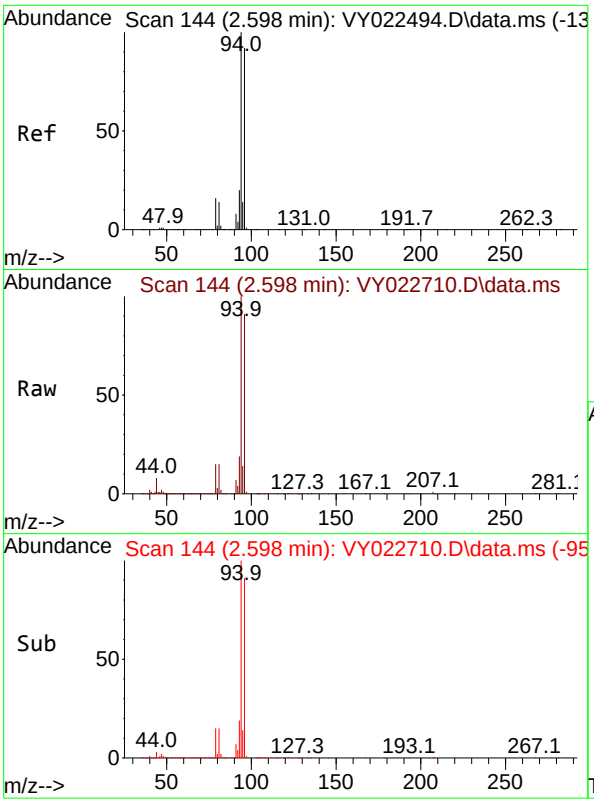


#4
Vinyl Chloride
Concen: 57.201 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 62 Resp: 242113

Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.3	37.9





#5
Bromomethane
Concen: 54.469 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

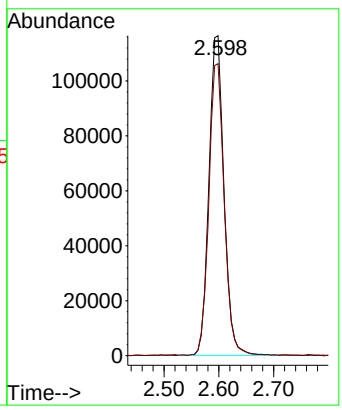
Tgt Ion: 94 Resp: 22097

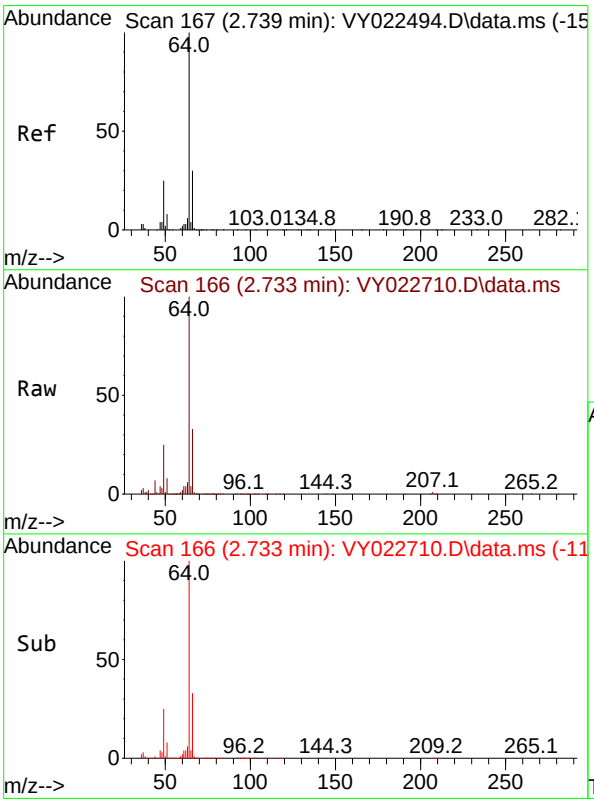
Ion	Ratio	Lower	Upper
94	100		
96	91.2	74.0	111.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

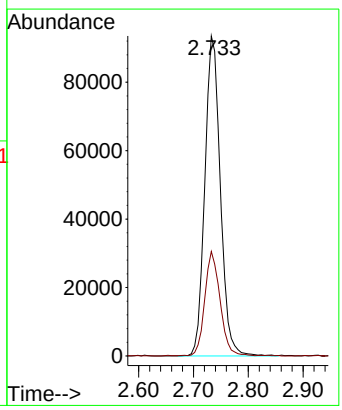


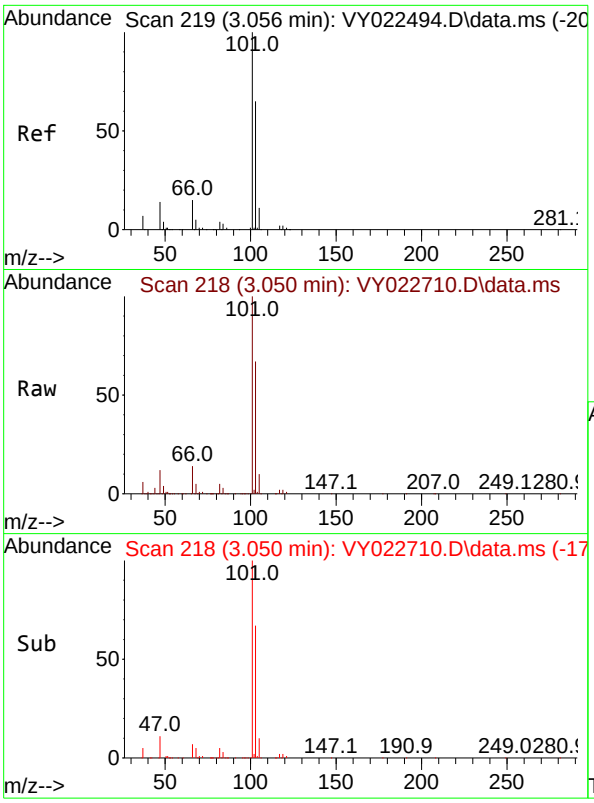


#6
Chloroethane
Concen: 63.190 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 64 Resp: 183580

Ion	Ratio	Lower	Upper
64	100		
66	32.5	23.8	35.6





#7
Trichlorofluoromethane
Concen: 60.168 ug/l
RT: 3.050 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

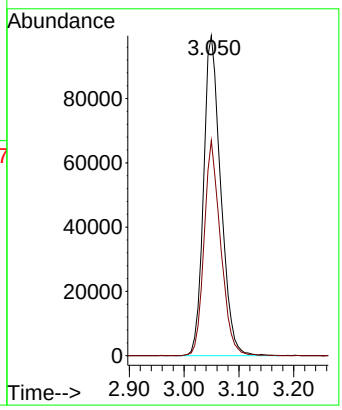
Tgt Ion:101 Resp: 21619

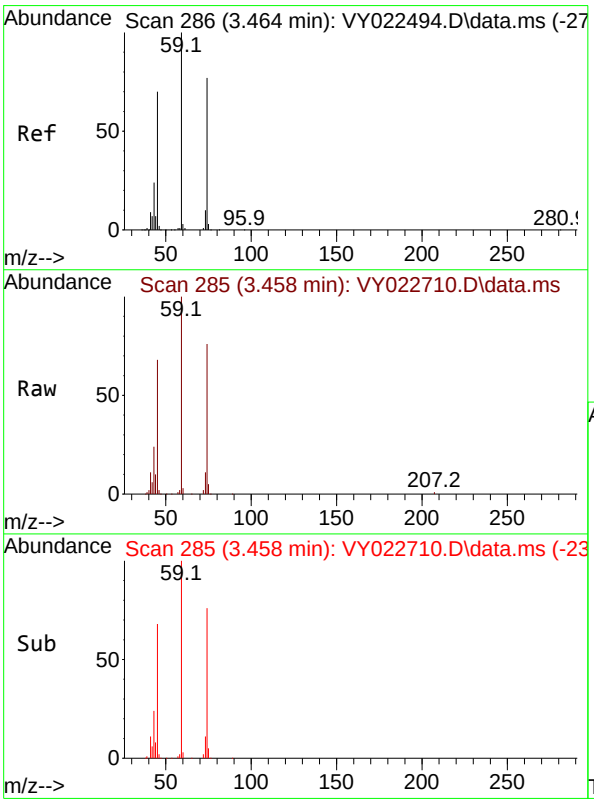
Ion	Ratio	Lower	Upper
101	100		
103	67.3	52.2	78.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

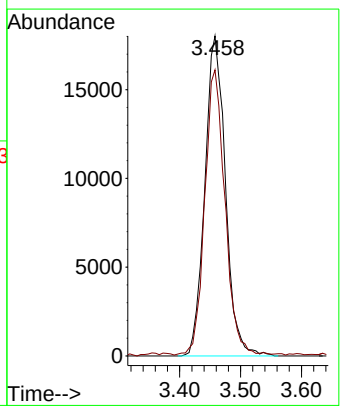


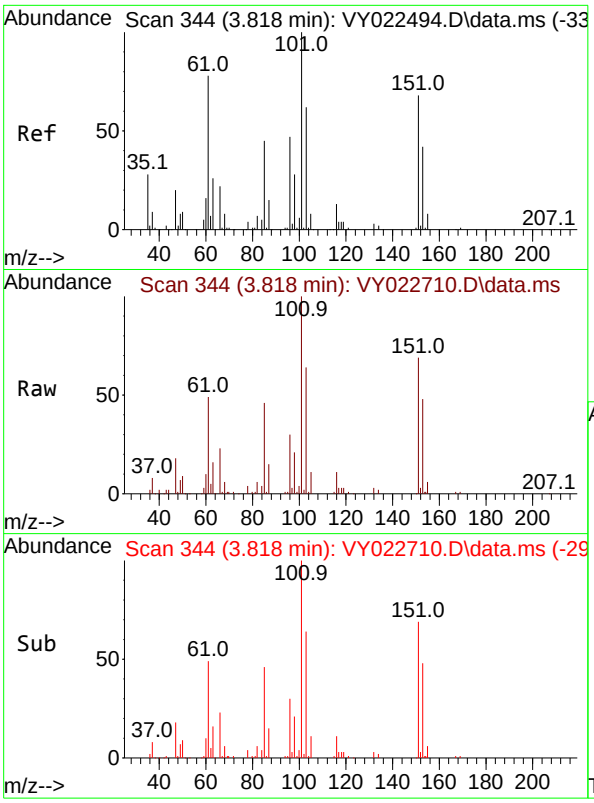


#8
Diethyl Ether
Concen: 52.268 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 74 Resp: 42296

Ion	Ratio	Lower	Upper
74	100		
45	87.3	45.9	137.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.345 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

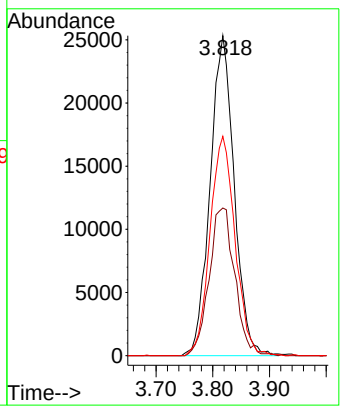
Tgt Ion:101 Resp: 7467

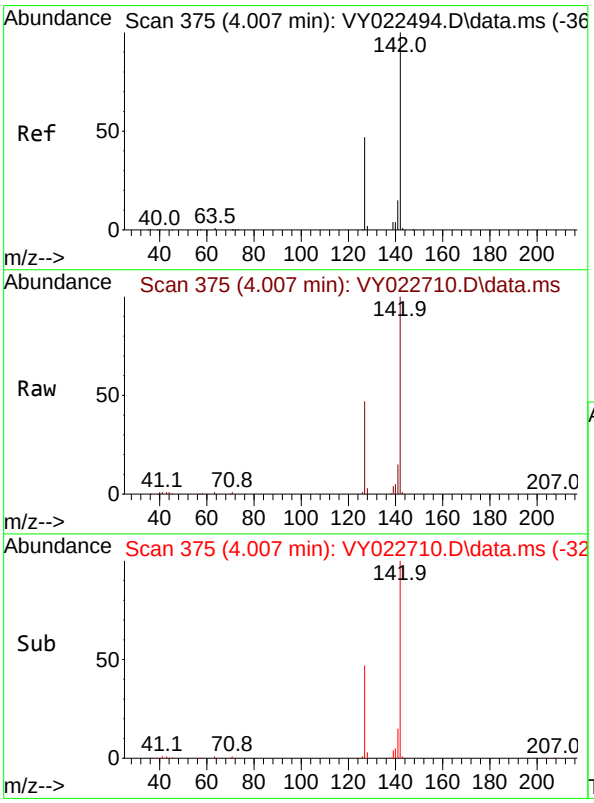
Ion	Ratio	Lower	Upper
101	100		
85	49.2	39.3	58.9
151	71.4	57.8	86.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

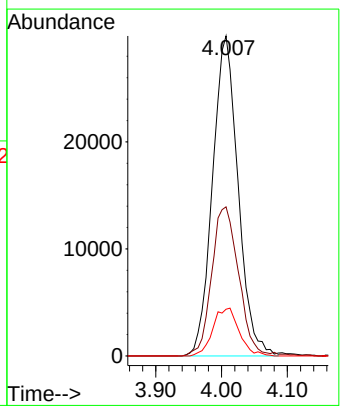


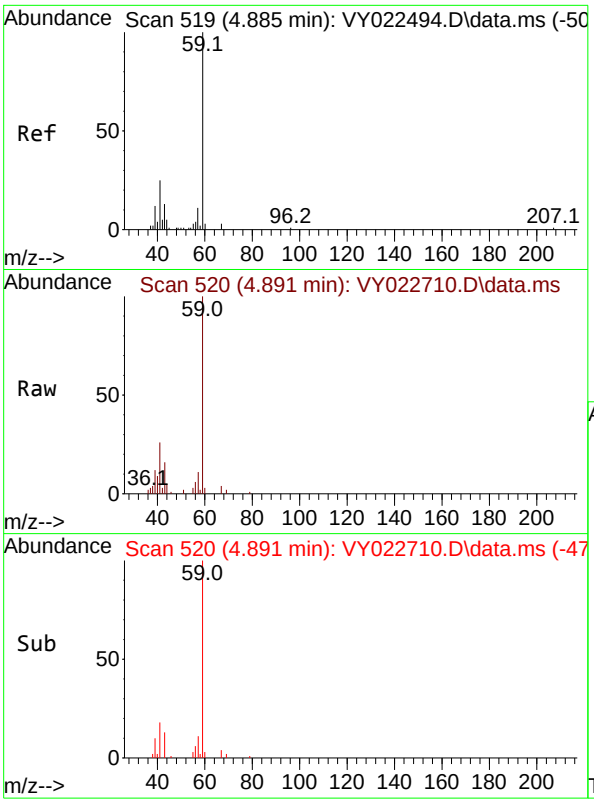


#10
Methyl Iodide
Concen: 49.418 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:142 Resp: 80934

Ion	Ratio	Lower	Upper
142	100		
127	49.4	37.1	55.7
141	15.4	11.4	17.2

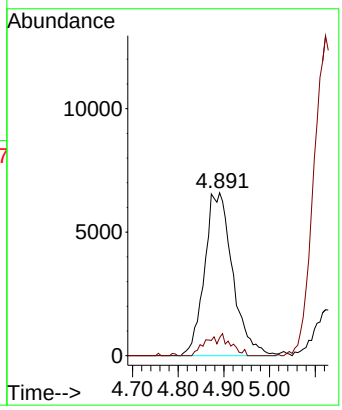




#11
Tert butyl alcohol
Concen: 255.390 ug/l
RT: 4.891 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 59 Resp: 2814

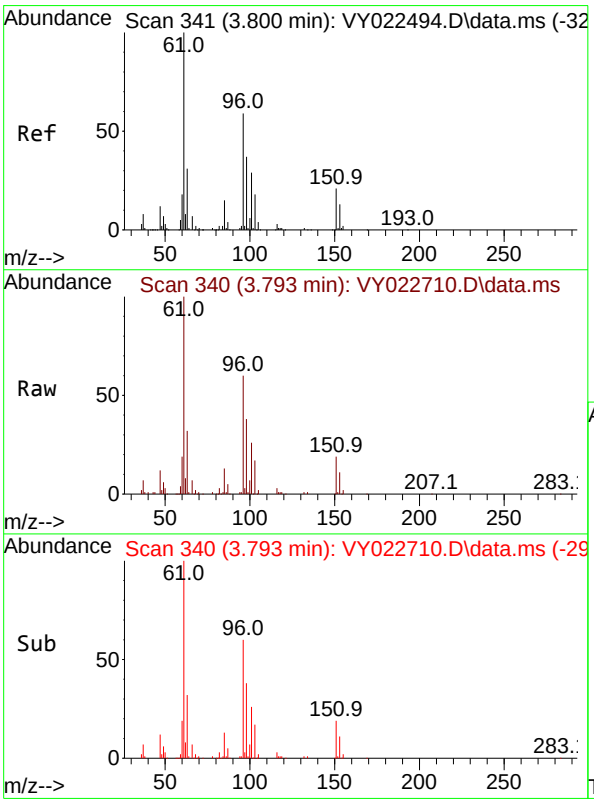
Ion	Ratio	Lower	Upper
59	100		
57	5.7	8.0	12.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

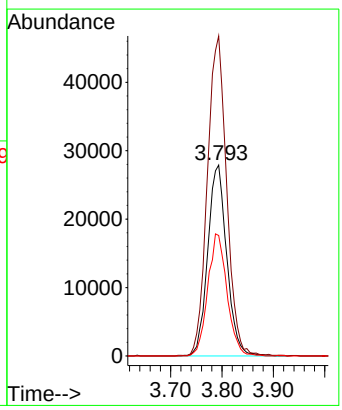
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

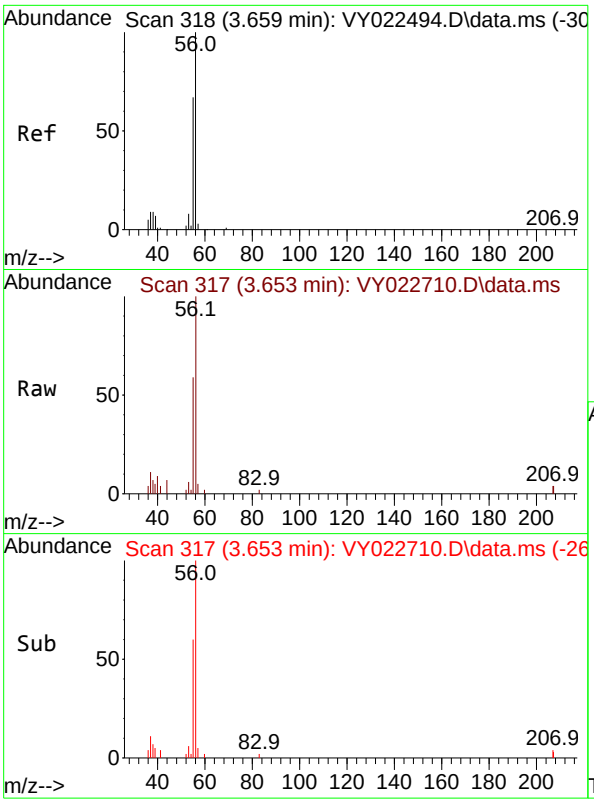


#12
1,1-Dichloroethene
Concen: 49.635 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 96 Resp: 71802

Ion	Ratio	Lower	Upper
96	100		
61	167.3	134.6	201.8
98	63.1	50.2	75.4





#13
Acrolein
Concen: 87.831 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

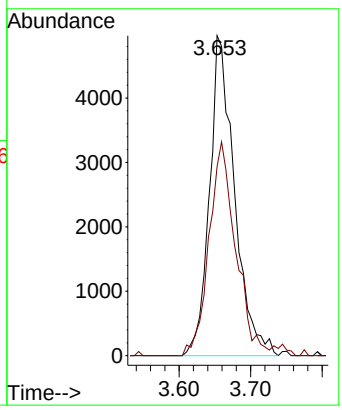
Tgt Ion: 56 Resp: 1206

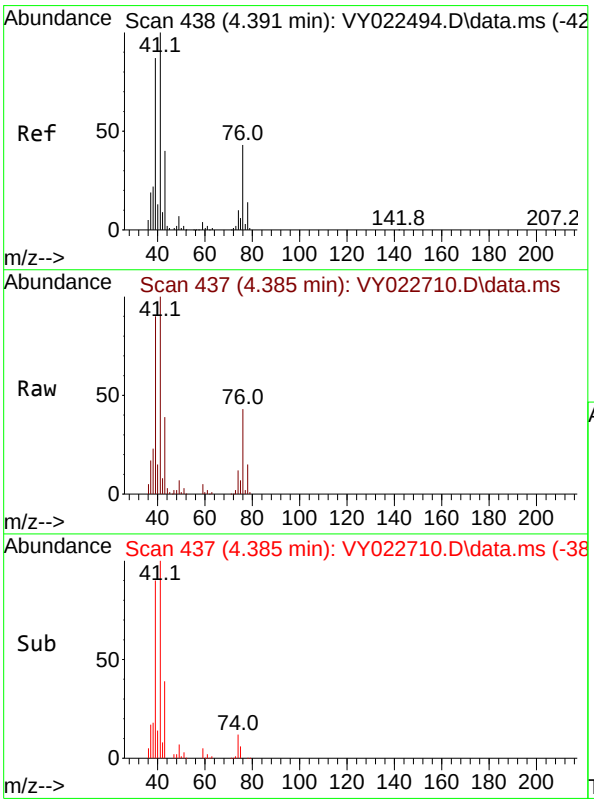
Ion	Ratio	Lower	Upper
56	100		
55	71.0	57.0	85.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

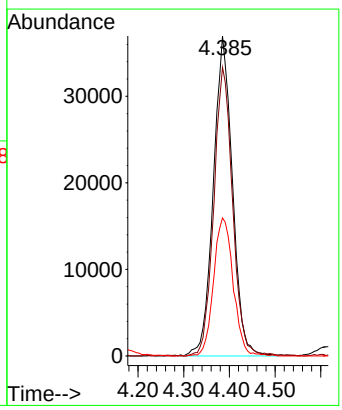


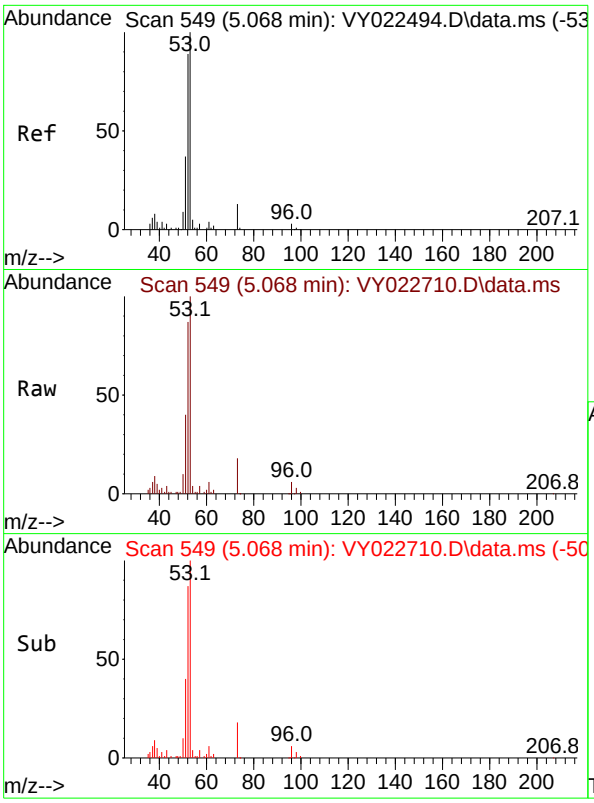


#14
Allyl chloride
Concen: 47.269 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 41 Resp: 107347

Ion	Ratio	Lower	Upper
41	100		
39	89.0	69.1	103.7
76	44.3	33.5	50.3





#15
Acrylonitrile
Concen: 263.071 ug/l
RT: 5.068 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

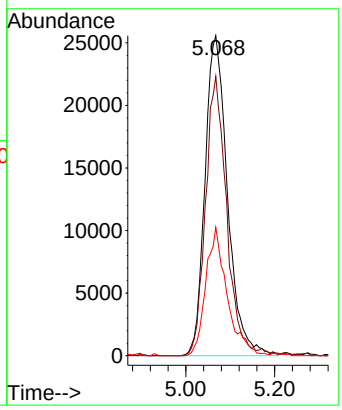
Tgt Ion: 53 Resp: 9015

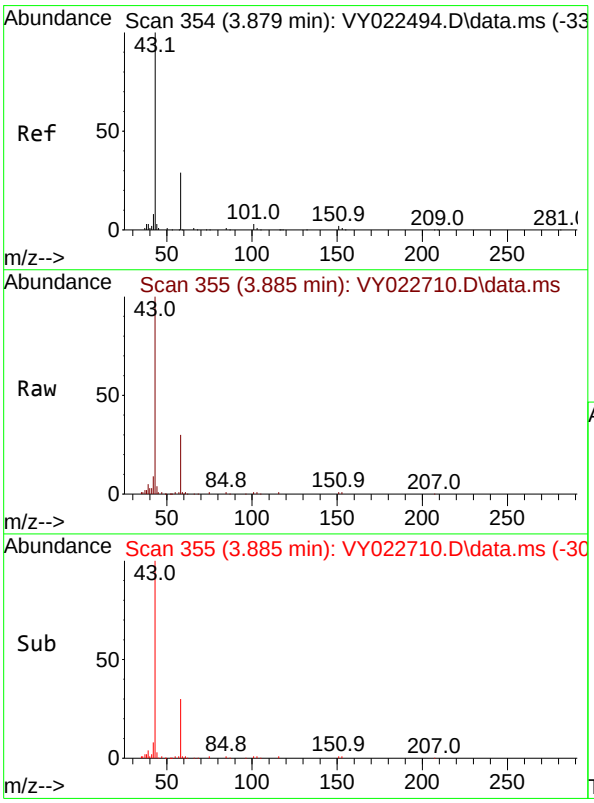
Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.7	98.5
51	37.9	30.1	45.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

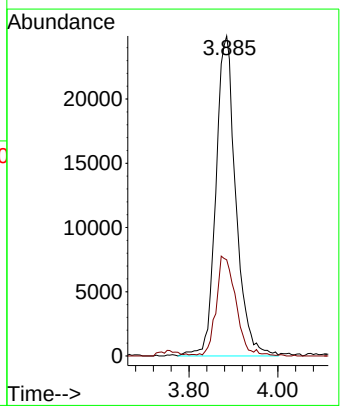


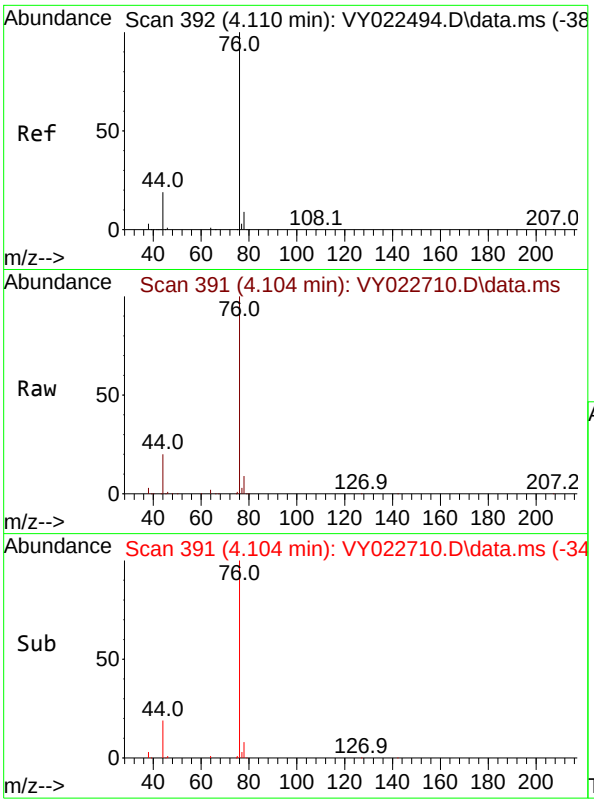


#16
Acetone
Concen: 246.431 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 43 Resp: 77215

Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.0	36.0





#17
Carbon Disulfide
Concen: 45.723 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

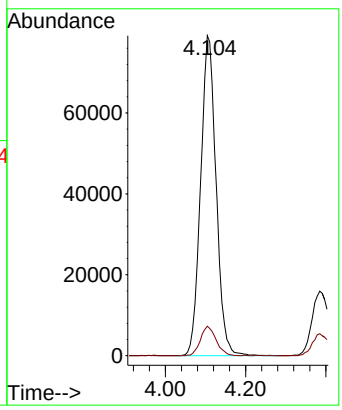
Tgt Ion: 76 Resp: 21176

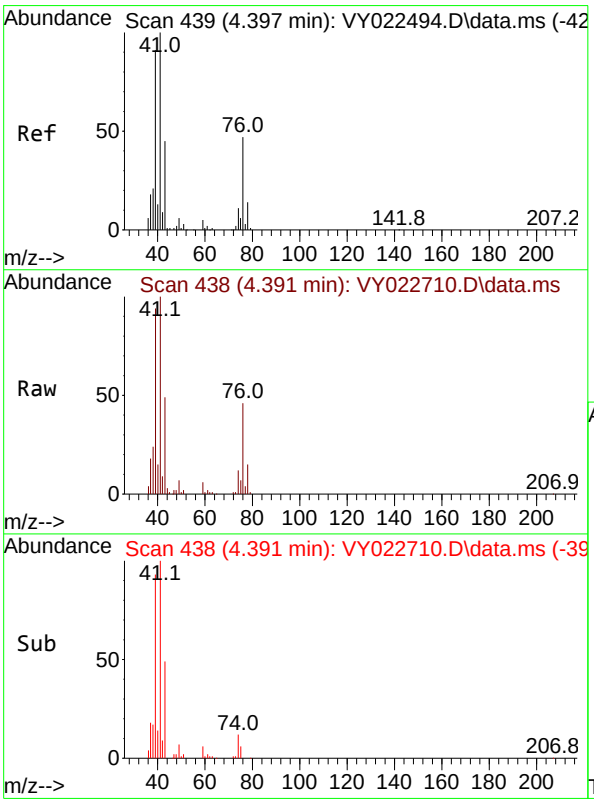
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

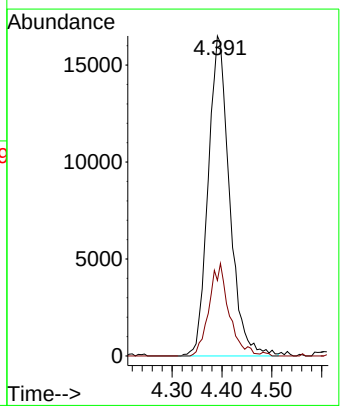


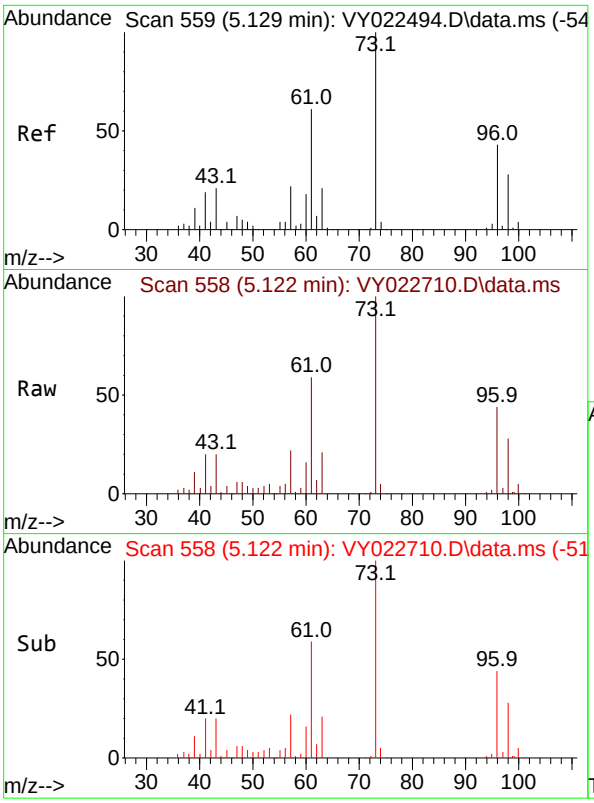


#18
Methyl Acetate
Concen: 52.991 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 43 Resp: 49168

Ion	Ratio	Lower	Upper
43	100		
74	27.0	19.8	29.6

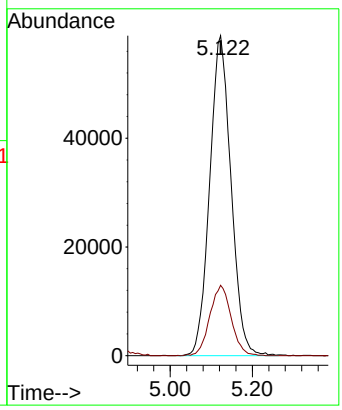




#19
Methyl tert-butyl Ether
Concen: 52.020 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 73 Resp: 21195

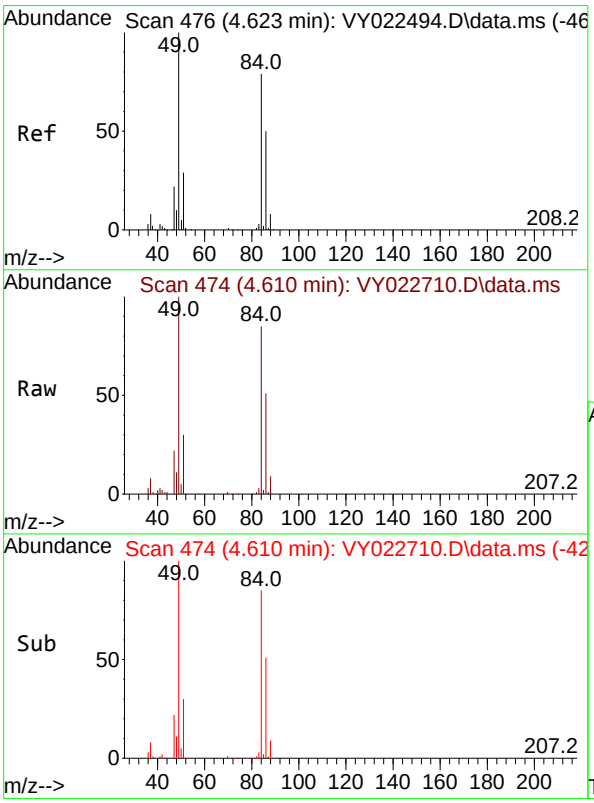
Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

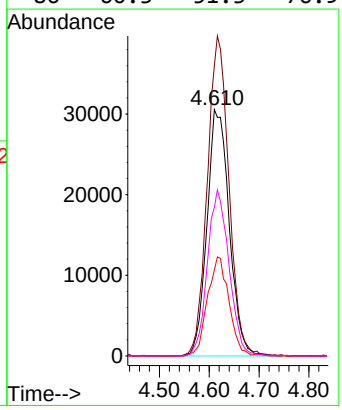
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

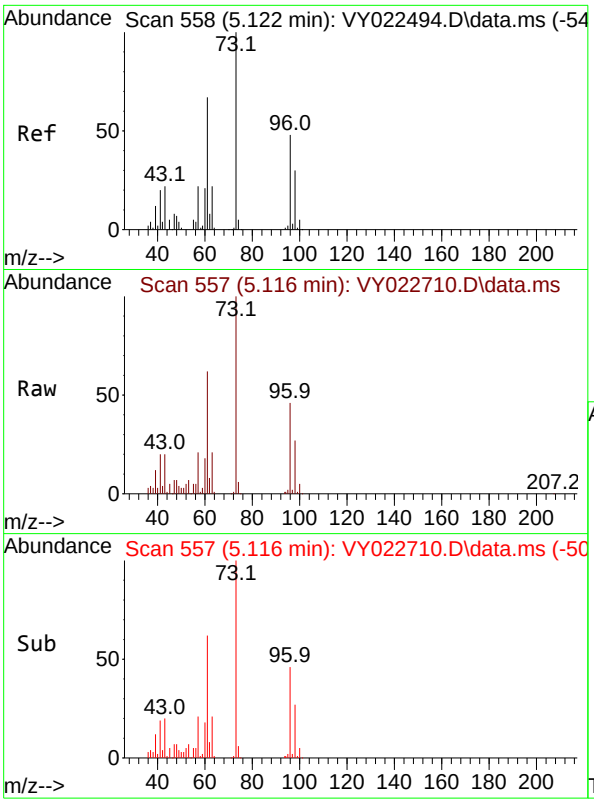


#20
Methylene Chloride
Concen: 53.338 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 84 Resp: 94933

Ion	Ratio	Lower	Upper
84	100		
49	117.8	101.9	152.9
51	34.9	29.8	44.8
86	60.3	51.3	76.9





#21
trans-1,2-Dichloroethene
Concen: 51.487 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

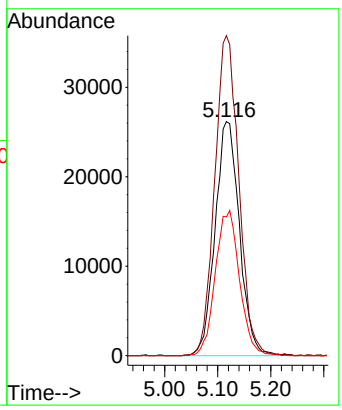
Tgt Ion: 96 Resp: 8336

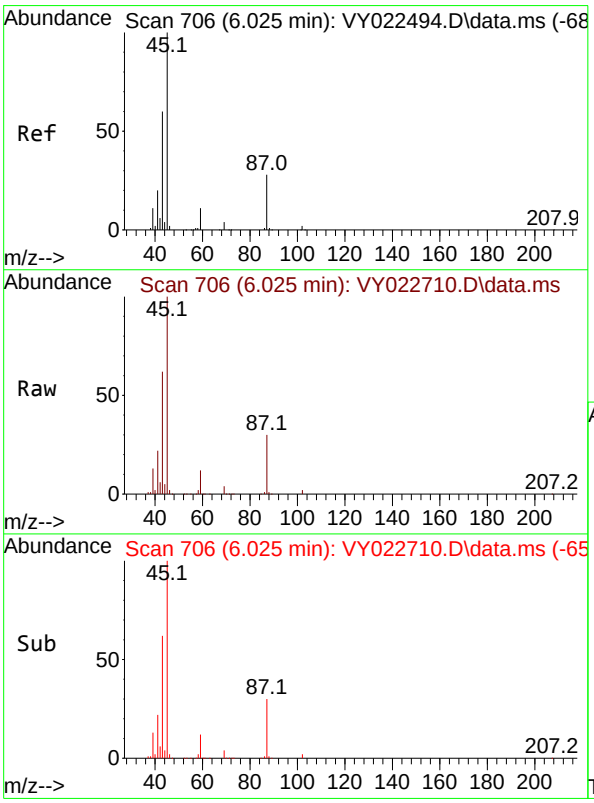
Ion	Ratio	Lower	Upper
96	100		
61	136.7	112.6	169.0
98	59.3	50.6	75.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

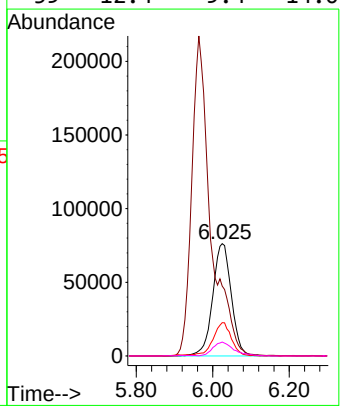


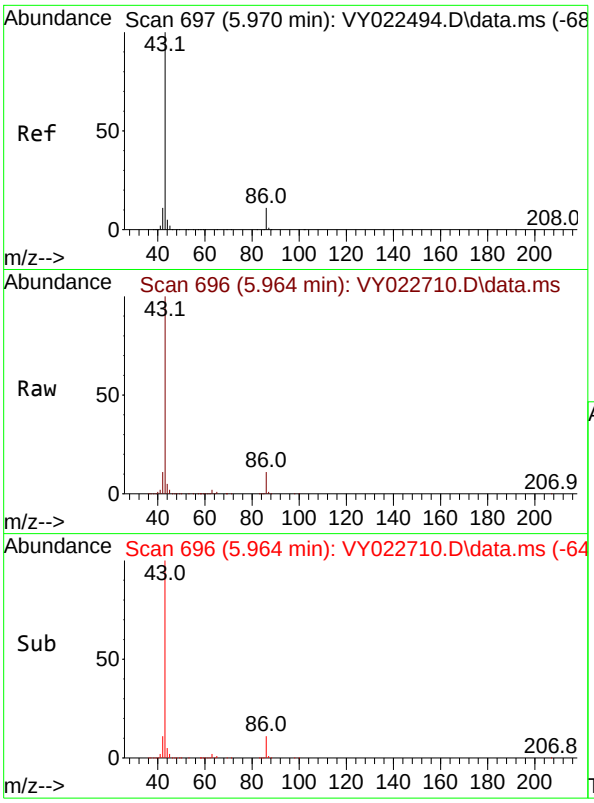


#22
Diisopropyl ether
Concen: 51.002 ug/l
RT: 6.025 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 45 Resp: 257814

Ion	Ratio	Lower	Upper
45	100		
43	61.8	48.3	72.5
87	29.7	23.0	34.6
59	12.4	9.4	14.0

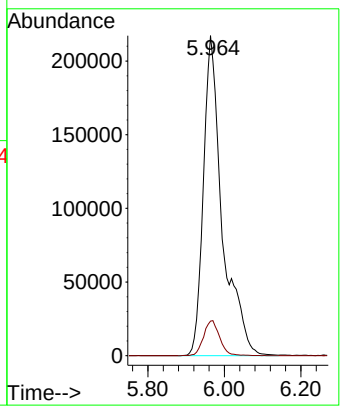




#23
Vinyl Acetate
Concen: 249.432 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 43 Resp: 74627

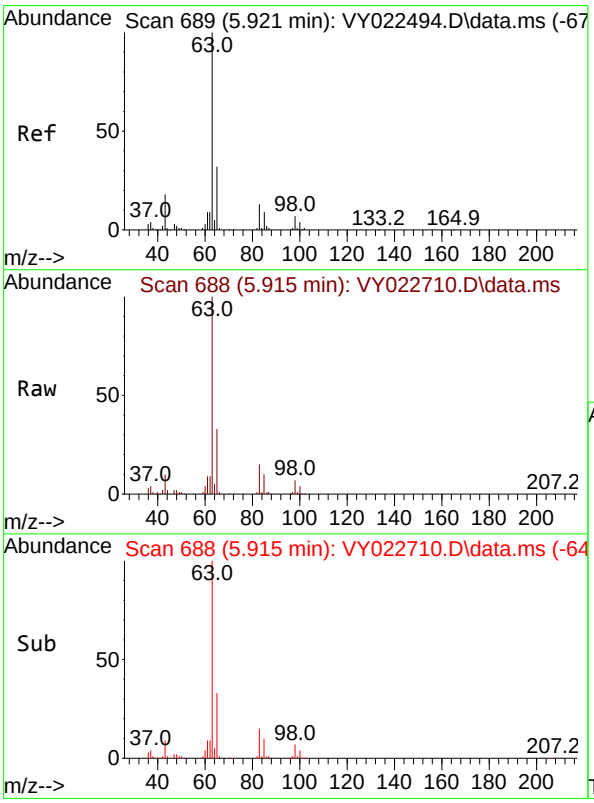
Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.6	12.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

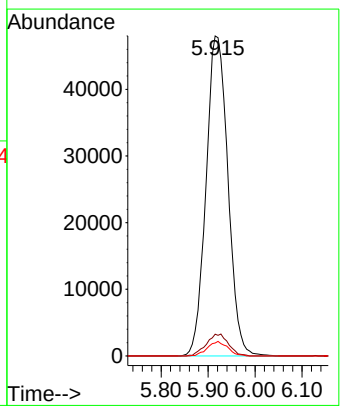
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

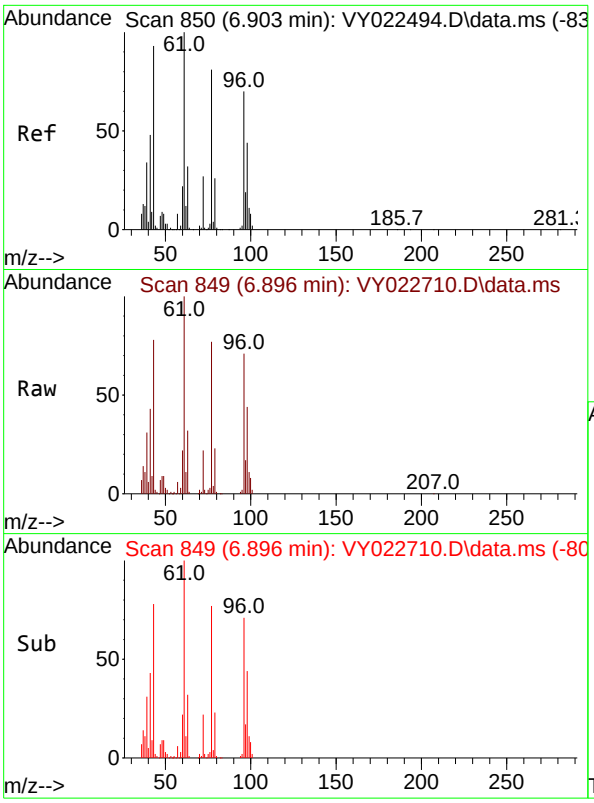


#24
1,1-Dichloroethane
Concen: 52.136 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 63 Resp: 155258

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.1
100	4.0	2.1	6.3





#25
2-Butanone
Concen: 257.879 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

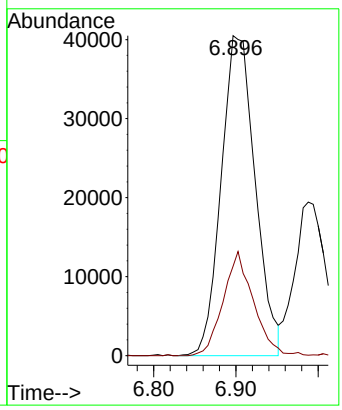
Tgt Ion: 43 Resp: 11655

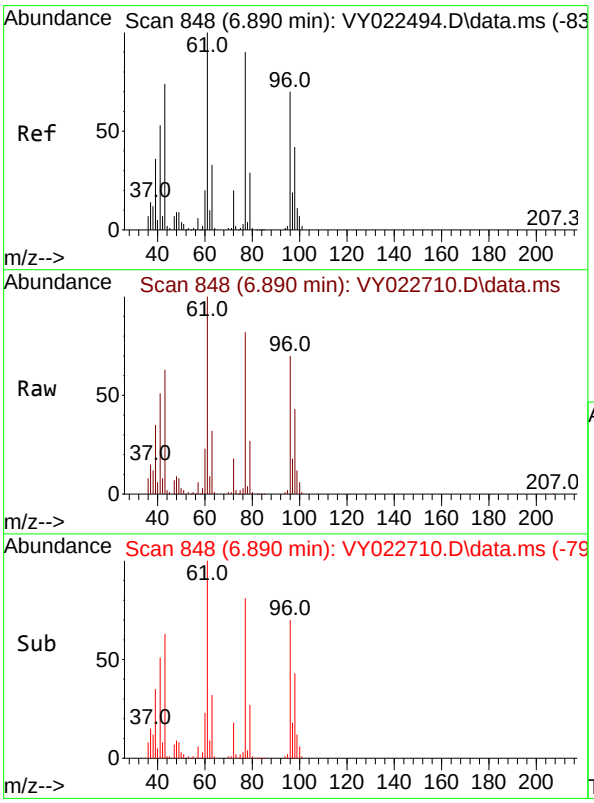
Ion	Ratio	Lower	Upper
43	100		
72	27.9	22.9	34.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

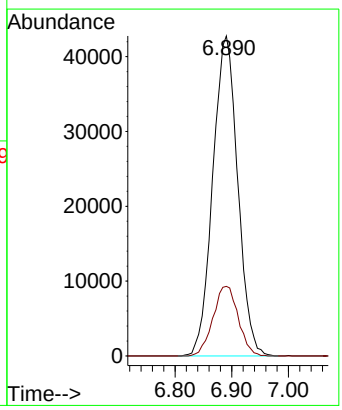


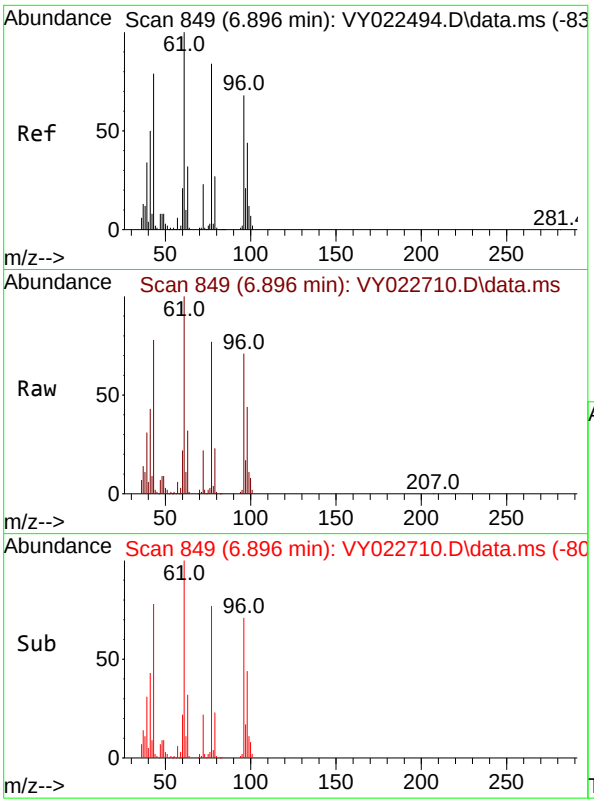


#26
2,2-Dichloropropane
Concen: 49.599 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 77 Resp: 130505

Ion	Ratio	Lower	Upper
77	100		
97	22.0	11.4	34.2

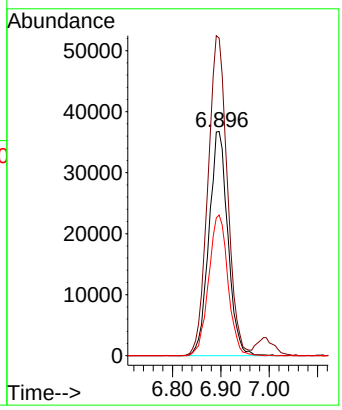




#27
cis-1,2-Dichloroethene
Concen: 53.374 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 96 Resp: 9988

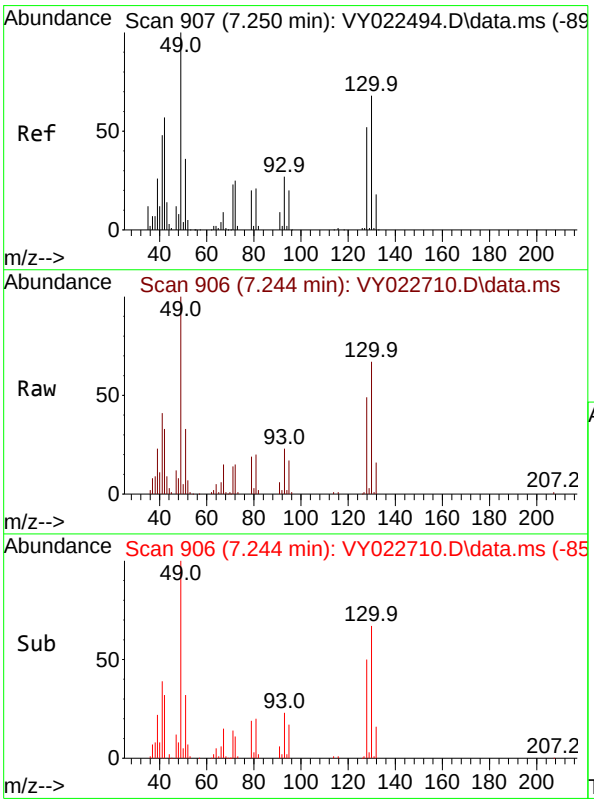
Ion	Ratio	Lower	Upper
96	100		
61	146.7	0.0	290.0
98	63.9	0.0	128.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

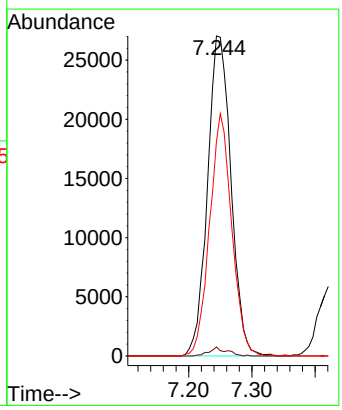
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

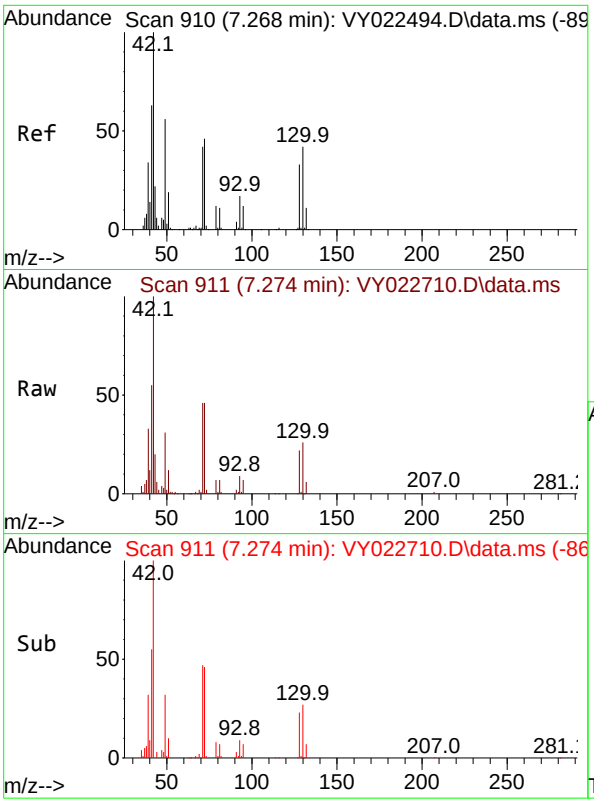


#28
Bromochloromethane
Concen: 53.812 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 49 Resp: 69854

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.6
130	71.2	55.7	83.5

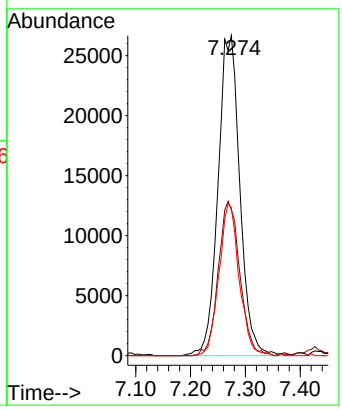




#29
Tetrahydrofuran
Concen: 253.774 ug/l
RT: 7.274 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 42 Resp: 7397

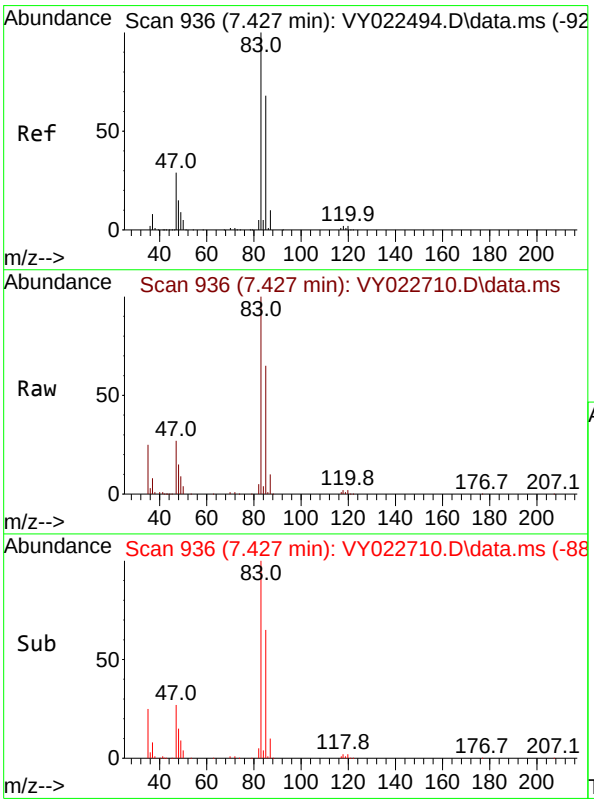
Ion	Ratio	Lower	Upper
42	100		
72	47.5	37.4	56.2
71	44.1	34.2	51.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

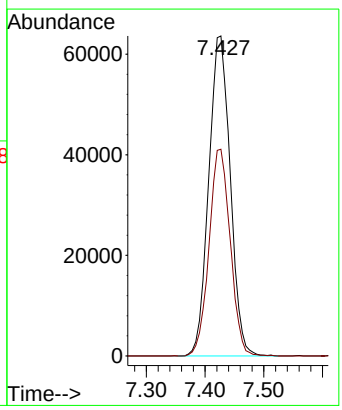
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

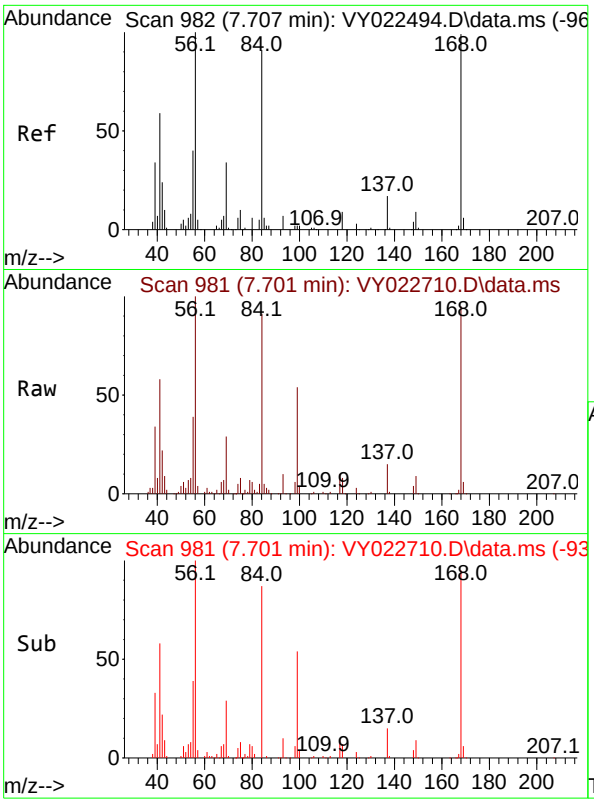


#30
Chloroform
Concen: 54.803 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 83 Resp: 161650

Ion	Ratio	Lower	Upper
83	100		
85	64.6	54.2	81.4

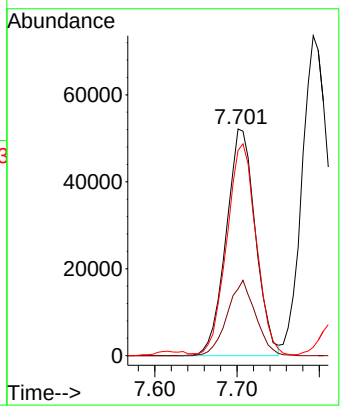




#31
Cyclohexane
Concen: 43.527 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 56 Resp: 12904

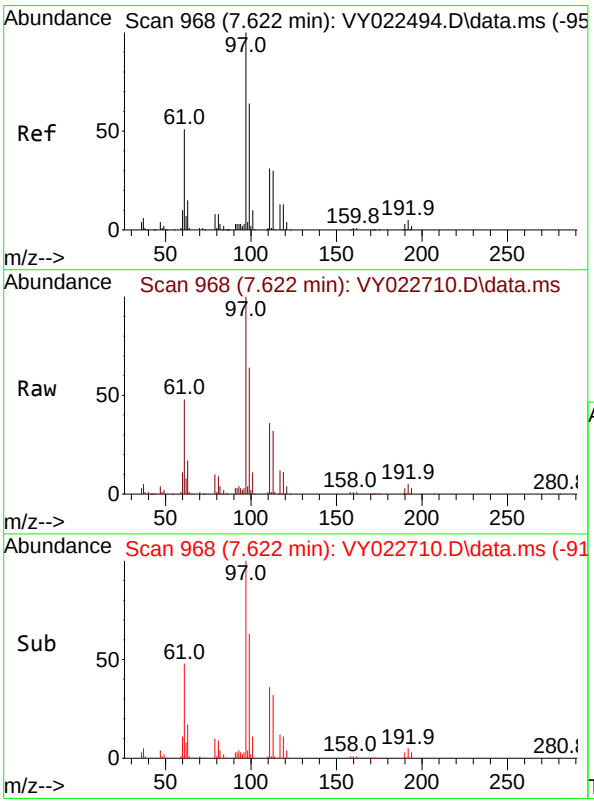
Ion	Ratio	Lower	Upper
56	100		
69	29.5	27.0	40.6
84	89.0	72.6	109.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

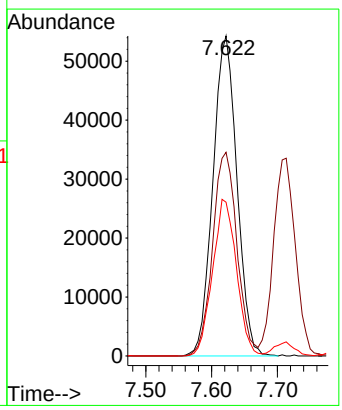
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

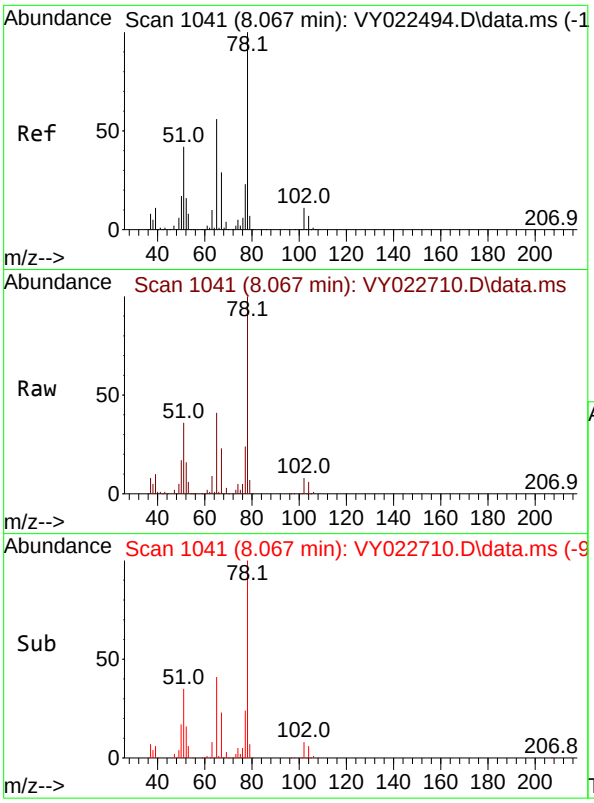


#32
1,1,1-Trichloroethane
Concen: 52.784 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 97 Resp: 138210

Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.9	76.3
61	48.7	38.5	57.7





#33
1,2-Dichloroethane-d4
Concen: 51.781 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

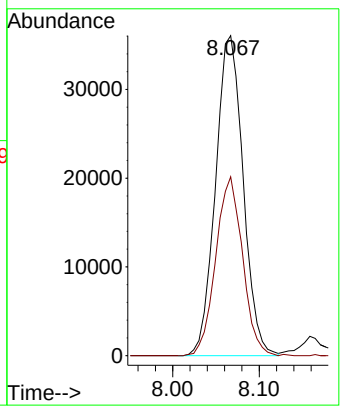
Tgt Ion: 65 Resp: 7989

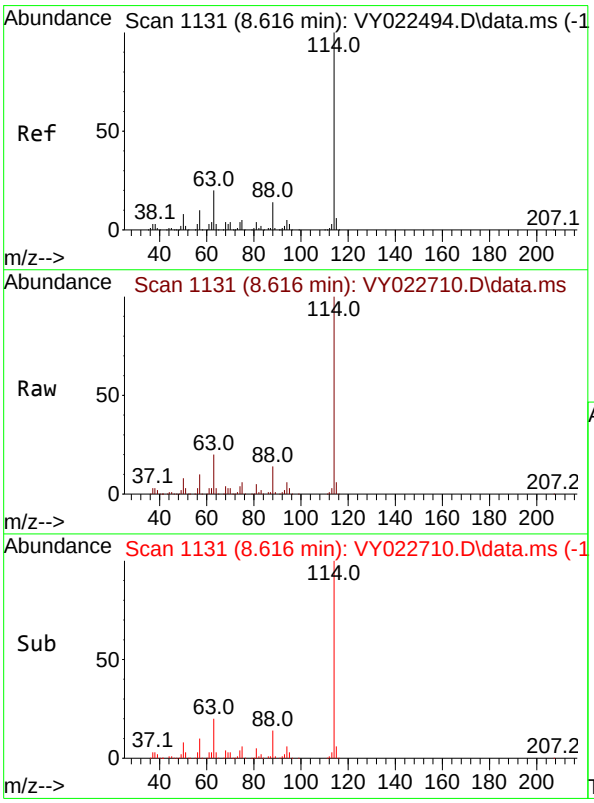
Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	103.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

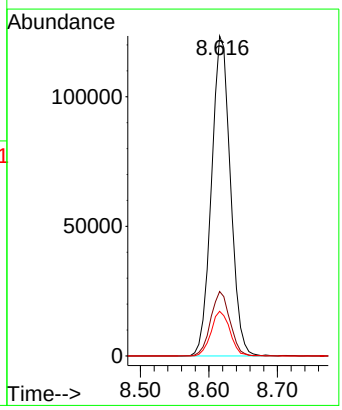


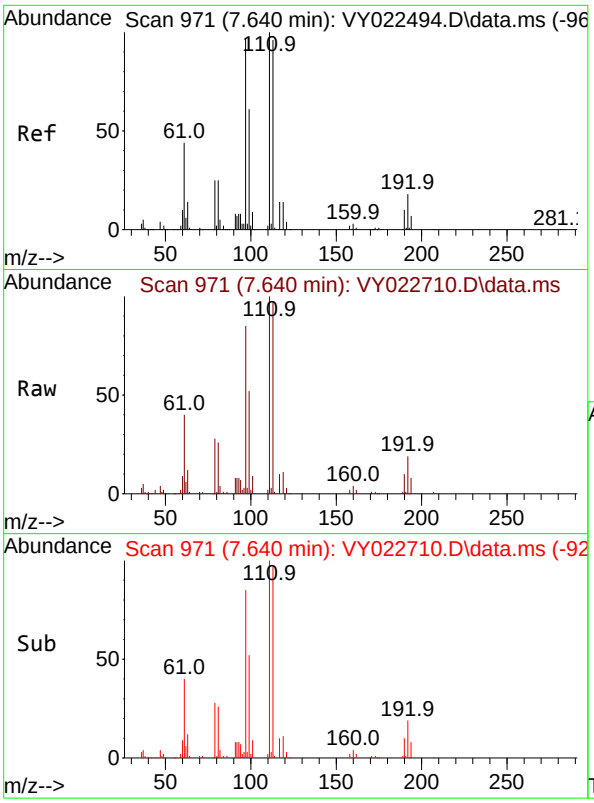


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:114 Resp: 236748

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.8
88	13.9	0.0	27.8

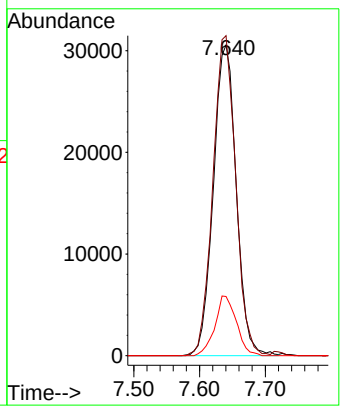




#35
Dibromofluoromethane
Concen: 52.430 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:113 Resp: 7408

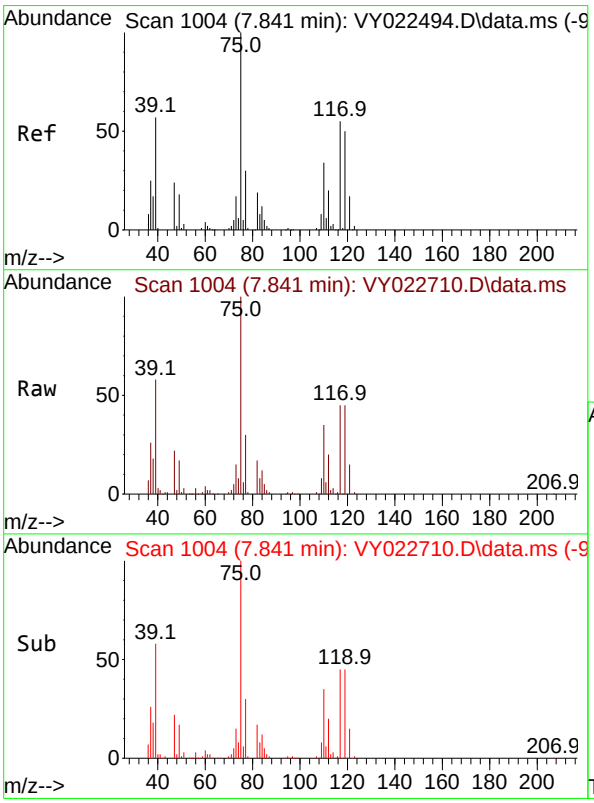
Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.1	121.7
192	18.1	14.2	21.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

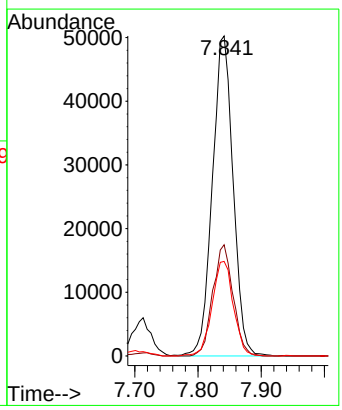
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

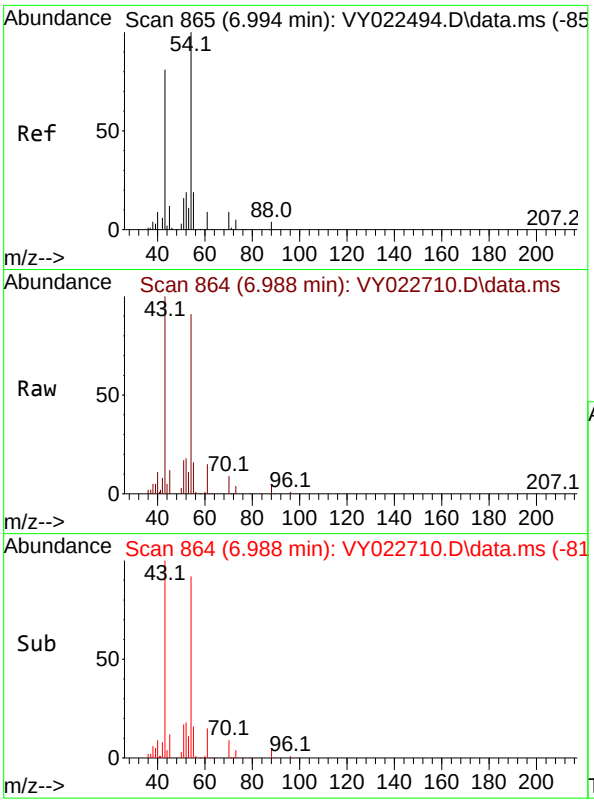


#36
1,1-Dichloropropene
Concen: 49.798 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 75 Resp: 114209

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.7
77	30.4	24.8	37.2





#37
Ethyl Acetate
Concen: 52.401 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

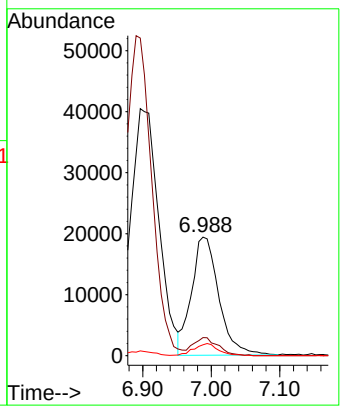
Tgt Ion: 43 Resp: 5359

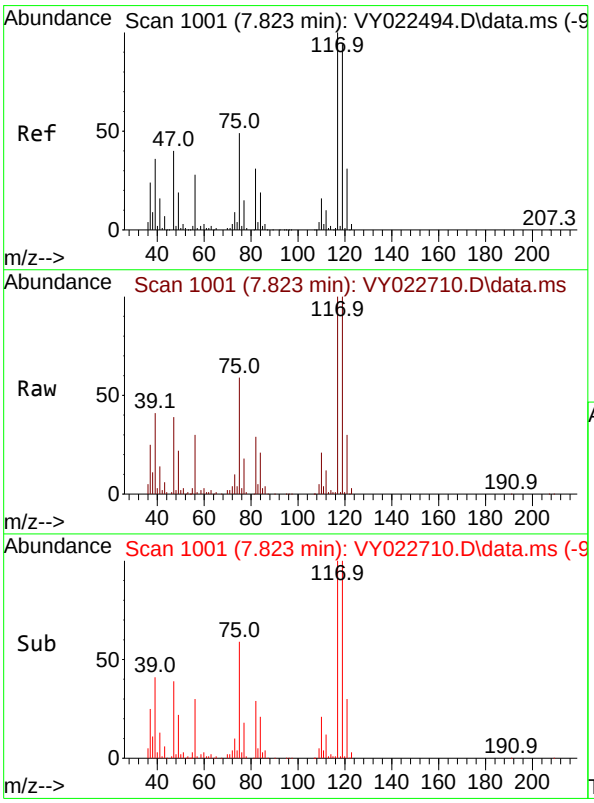
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.5	17.3
70	9.3	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

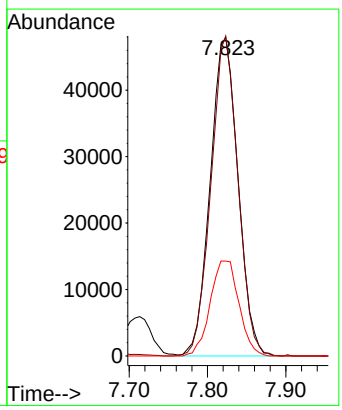


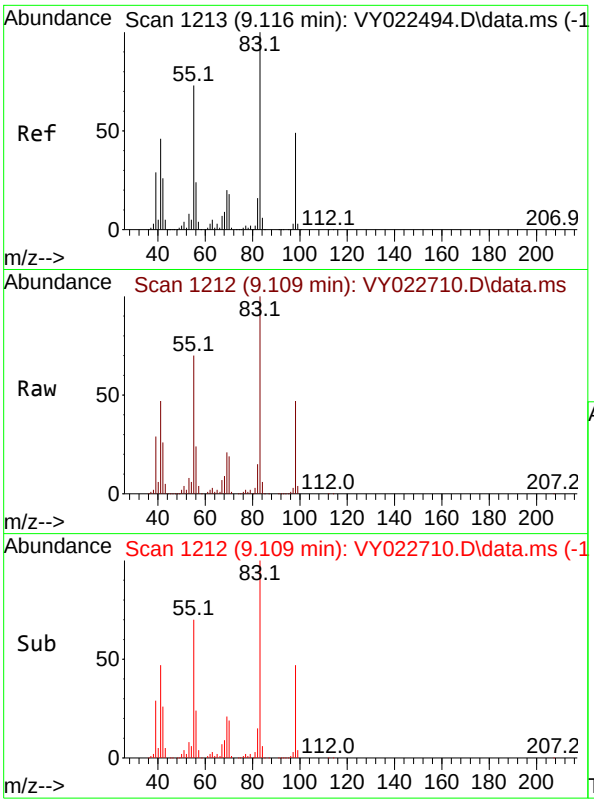


#38
Carbon Tetrachloride
Concen: 50.410 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:117 Resp: 118602

Ion	Ratio	Lower	Upper
117	100		
119	100.4	75.0	112.6
121	29.8	25.0	37.4





#39
Methylcyclohexane
Concen: 46.329 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

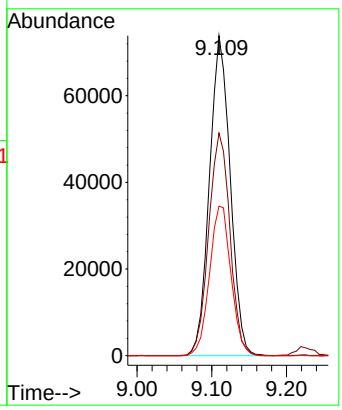
Tgt Ion: 83 Resp: 14279

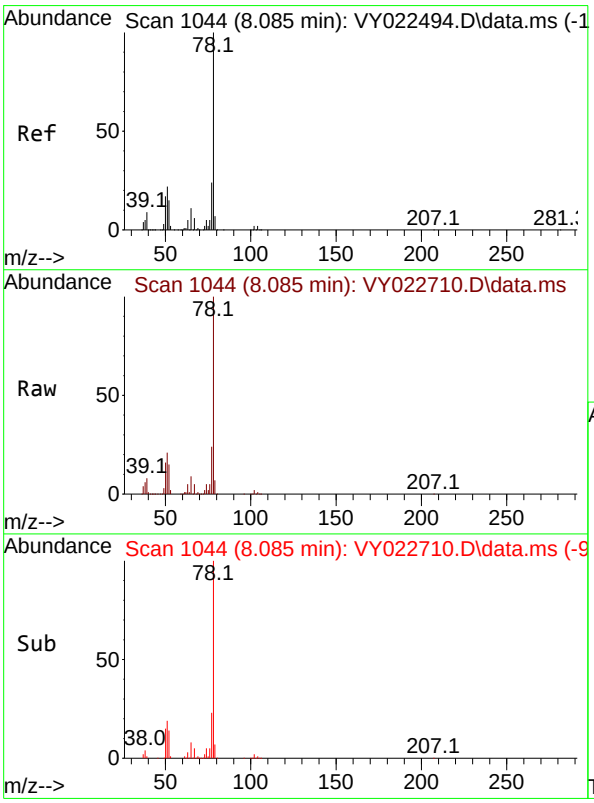
Ion	Ratio	Lower	Upper
83	100		
55	69.6	58.1	87.1
98	46.7	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

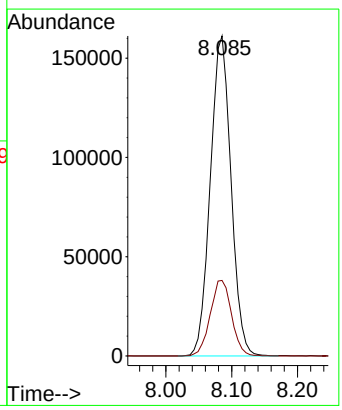


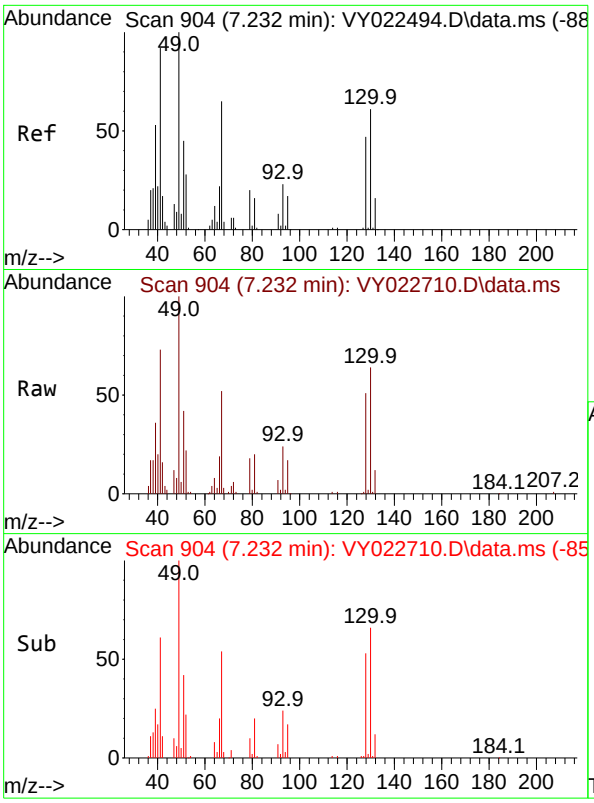


#40
Benzene
Concen: 52.152 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 78 Resp: 353278

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.3	28.9

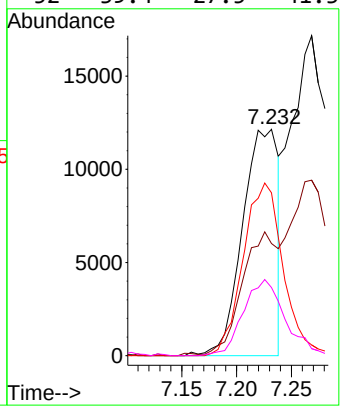




#41
Methacrylonitrile
Concen: 46.208 ug/l
RT: 7.232 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 41 Resp: 2760

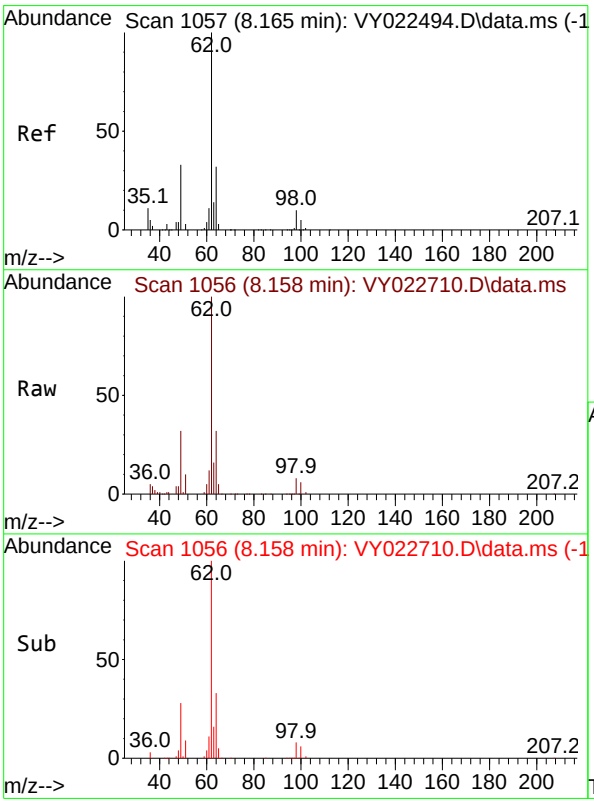
Ion	Ratio	Lower	Upper
41	100		
39	52.9	46.6	69.8
67	85.6	63.3	94.9
52	39.4	27.5	41.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

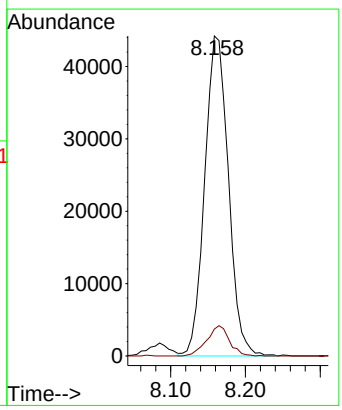
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

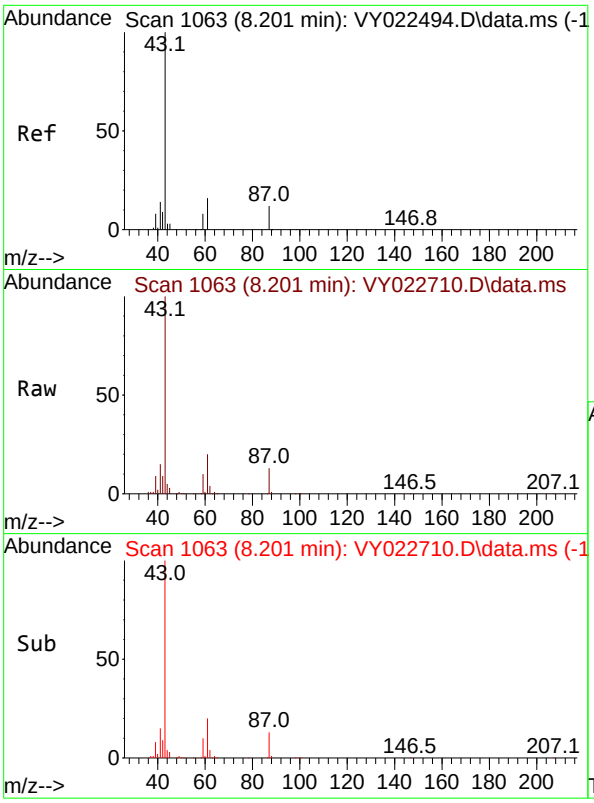


#42
1,2-Dichloroethane
Concen: 52.679 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 62 Resp: 97435

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	19.2





#43
Isopropyl Acetate
Concen: 50.078 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

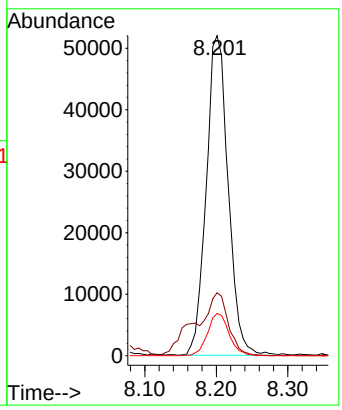
Tgt Ion: 43 Resp: 11061

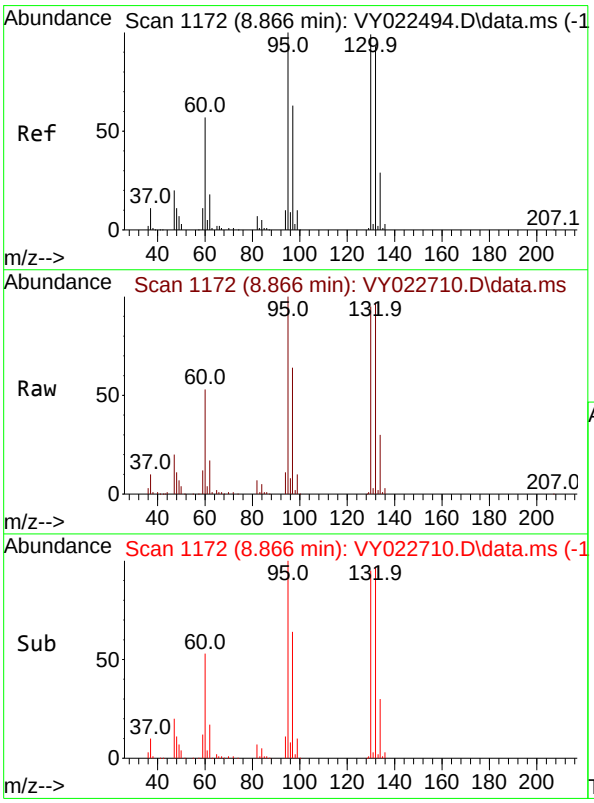
Ion	Ratio	Lower	Upper
43	100		
61	29.3	15.6	23.4
87	13.0	10.2	15.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

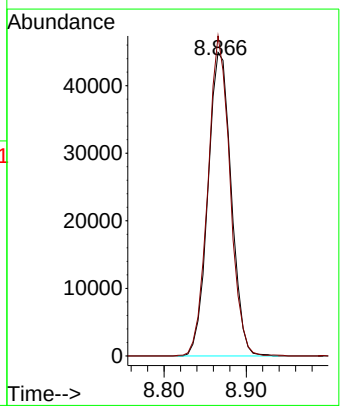


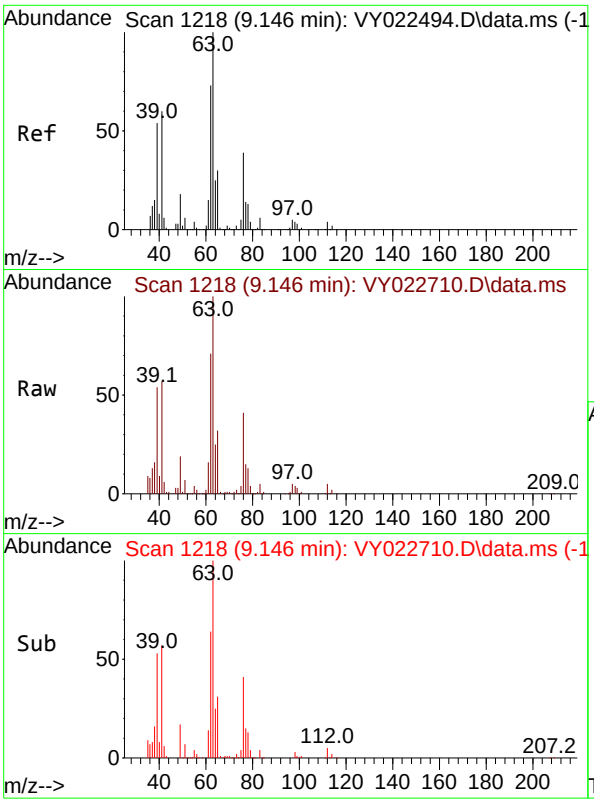


#44
Trichloroethene
Concen: 53.249 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:130 Resp: 88158

Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	203.0





#45
1,2-Dichloropropane
Concen: 52.735 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

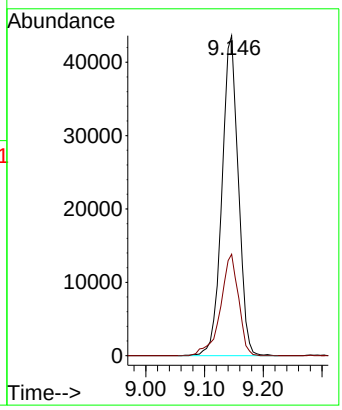
Tgt Ion: 63 Resp: 8442

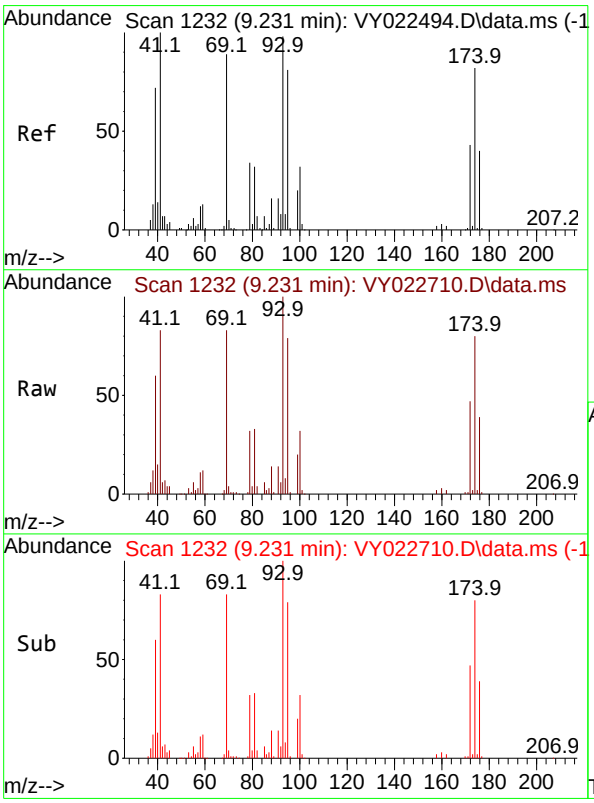
Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.0	36.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

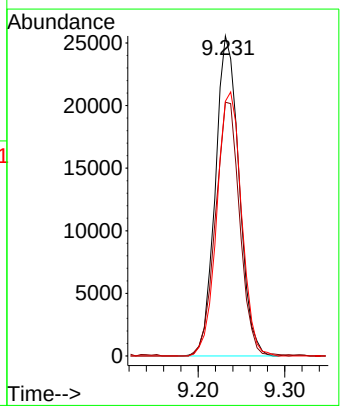


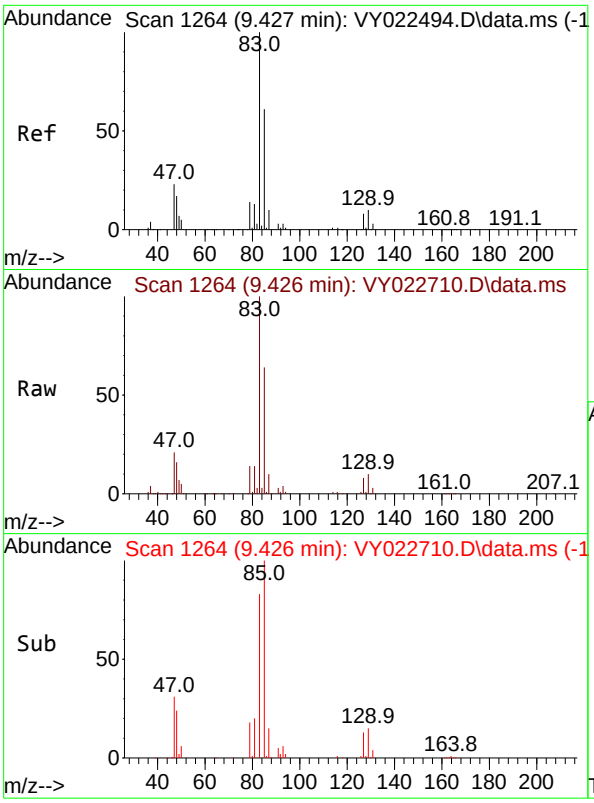


#46
Dibromomethane
Concen: 53.929 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 93 Resp: 48571

Ion	Ratio	Lower	Upper
93	100		
95	81.4	65.6	98.4
174	85.7	70.4	105.6

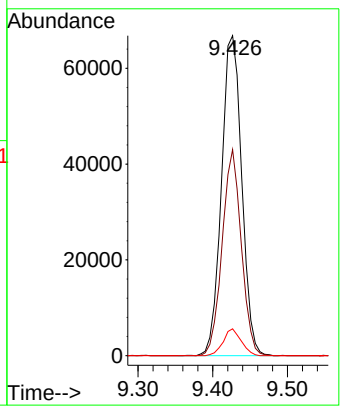




#47
Bromodichloromethane
Concen: 55.076 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 83 Resp: 12577

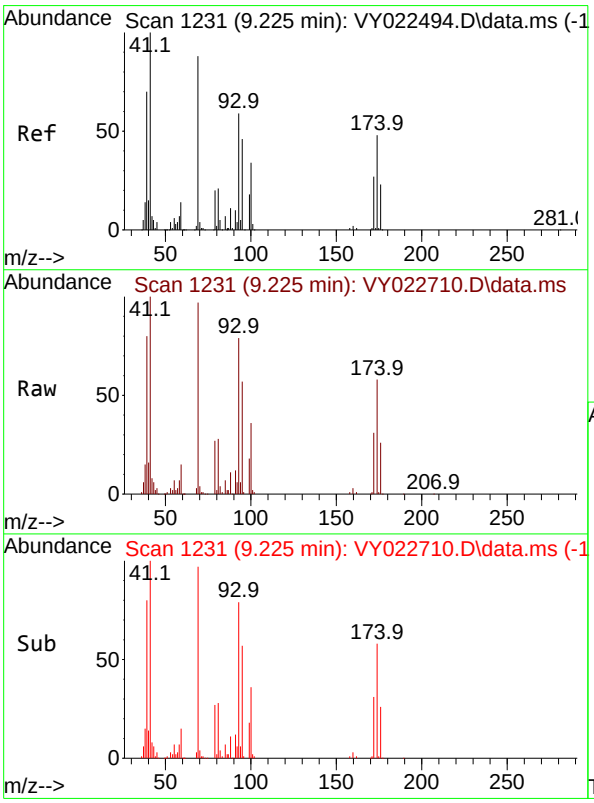
Ion	Ratio	Lower	Upper
83	100		
85	64.4	49.1	73.7
127	8.4	6.2	9.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

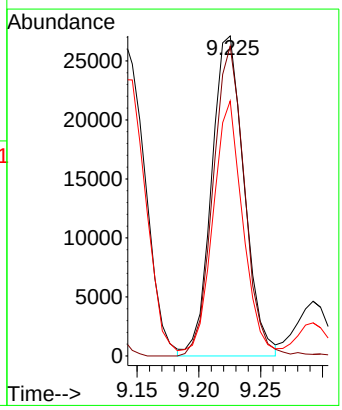
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

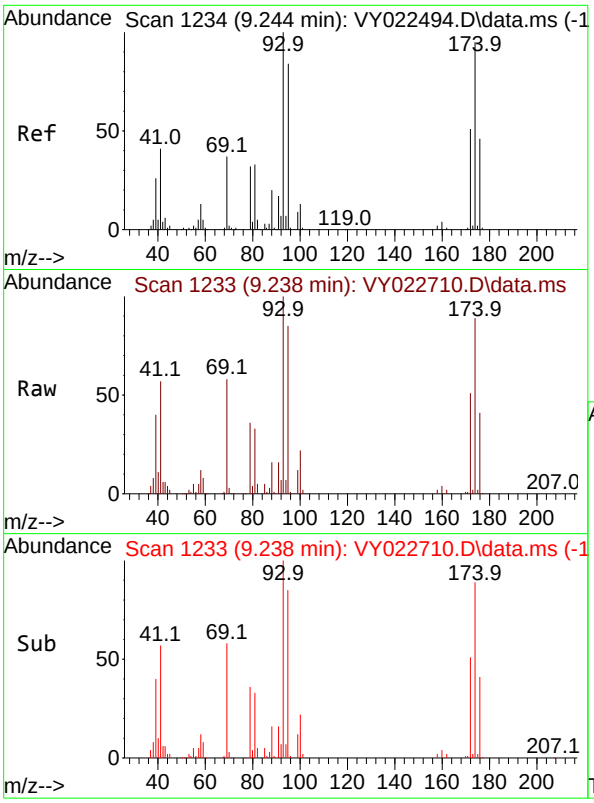


#48
Methyl methacrylate
Concen: 47.993 ug/l m
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 41 Resp: 49755

Ion	Ratio	Lower	Upper
41	100		
69	93.7	67.8	101.8
39	73.1	55.0	82.4





#49
1,4-Dioxane
Concen: 1001.869 ug/l
RT: 9.238 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

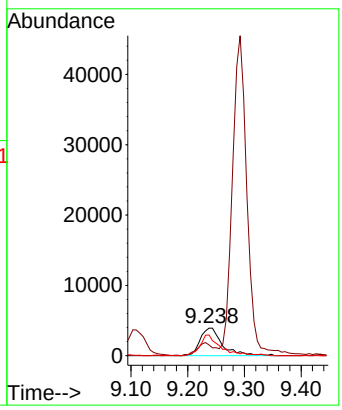
Tgt Ion: 88 Resp: 1069

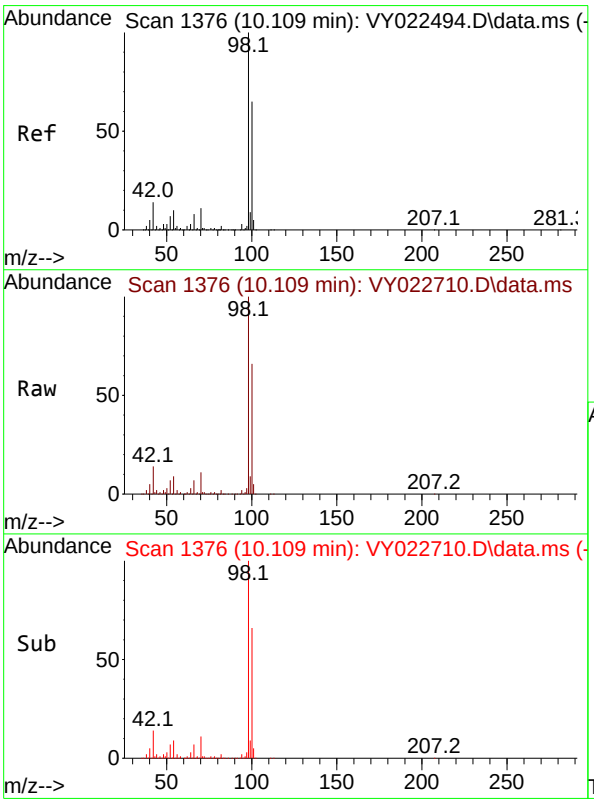
Ion	Ratio	Lower	Upper
88	100		
43	38.2	25.4	38.2
58	68.7	54.9	82.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

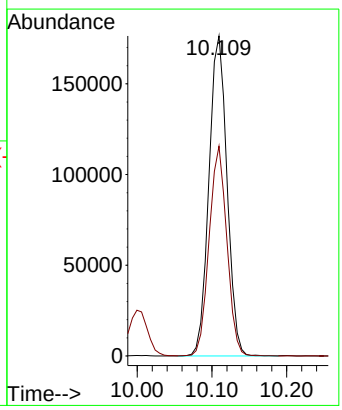


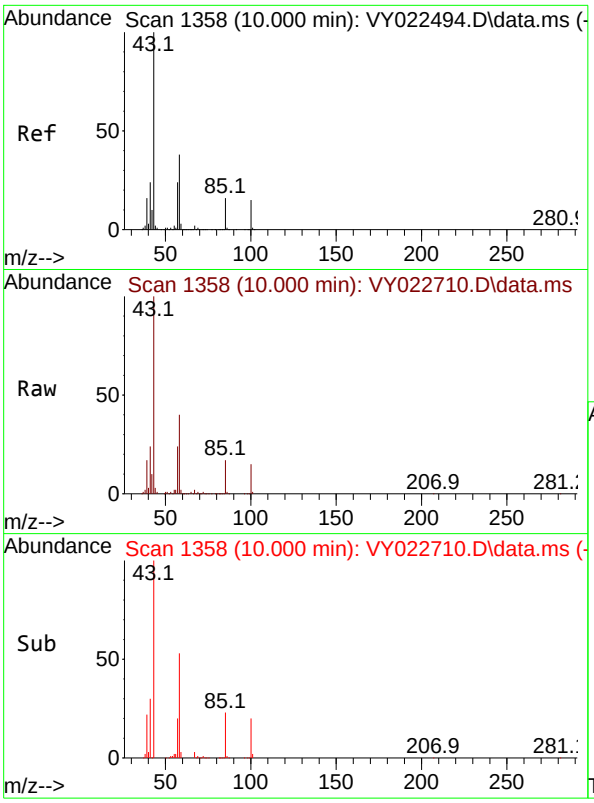


#50
Toluene-d8
Concen: 51.827 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 98 Resp: 295921

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.0

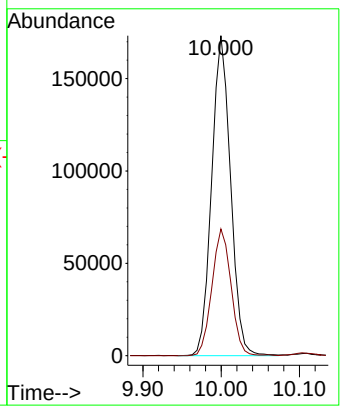




#51
4-Methyl-2-Pentanone
Concen: 263.816 ug/l
RT: 10.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 43 Resp: 29053

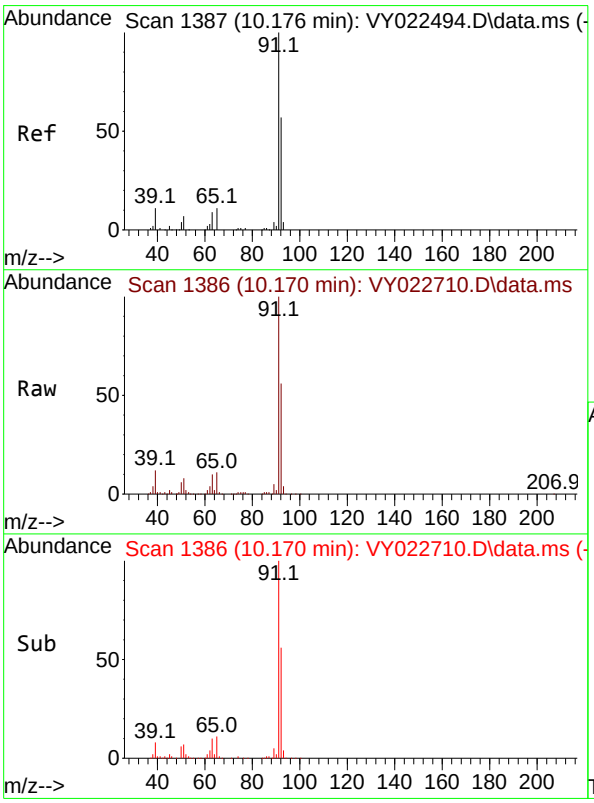
Ion	Ratio	Lower	Upper
43	100		
58	40.1	30.4	45.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

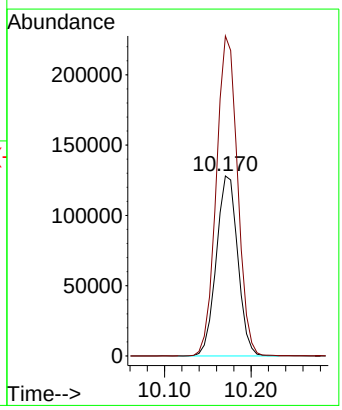
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

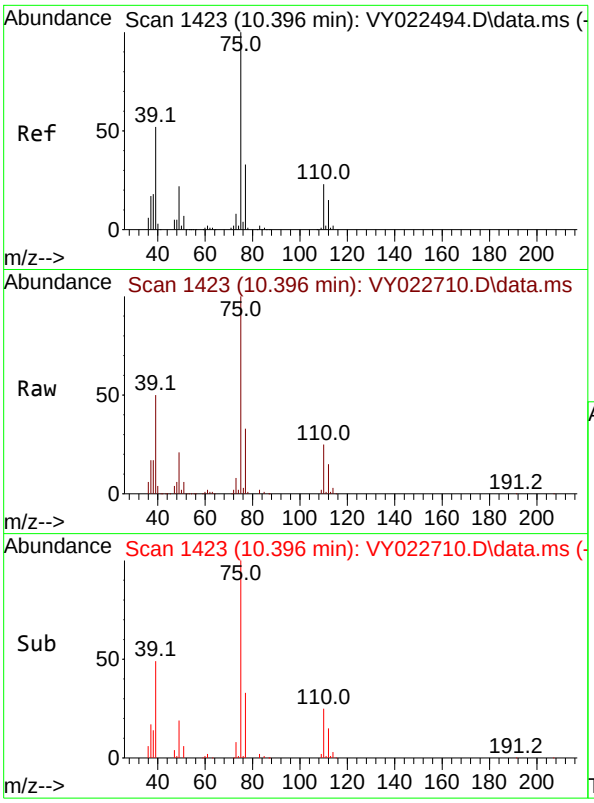


#52
Toluene
Concen: 51.756 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 92 Resp: 220323

Ion	Ratio	Lower	Upper
92	100		
91	176.2	139.0	208.4

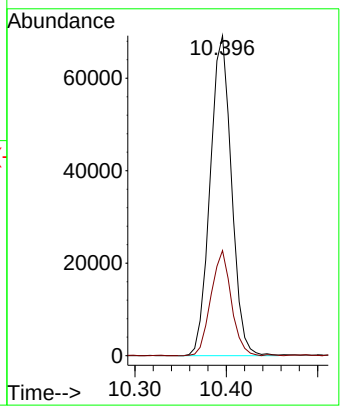




#53
t-1,3-Dichloropropene
Concen: 52.386 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 75 Resp: 11209

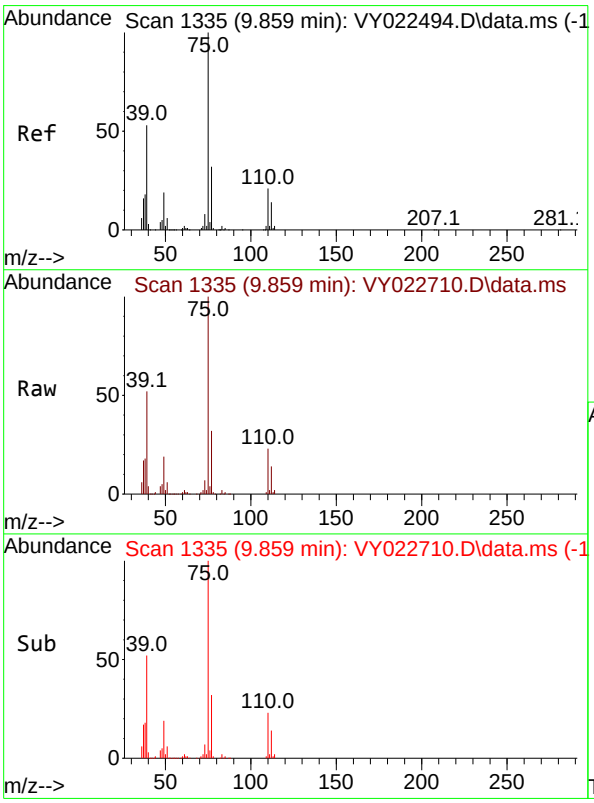
Ion	Ratio	Lower	Upper
75	100		
77	32.9	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

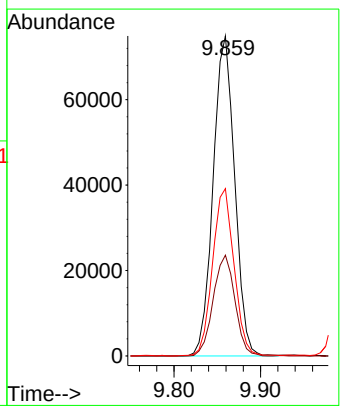
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

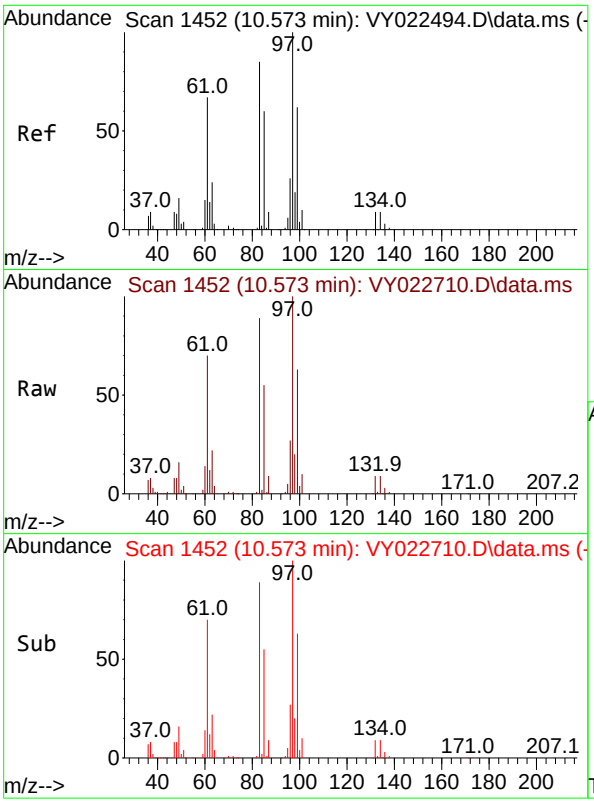


#54
cis-1,3-Dichloropropene
Concen: 51.799 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 75 Resp: 129022

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9
39	52.2	42.7	64.1

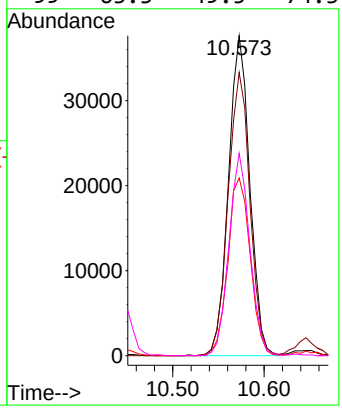




#55
1,1,2-Trichloroethane
Concen: 53.099 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 97 Resp: 6098

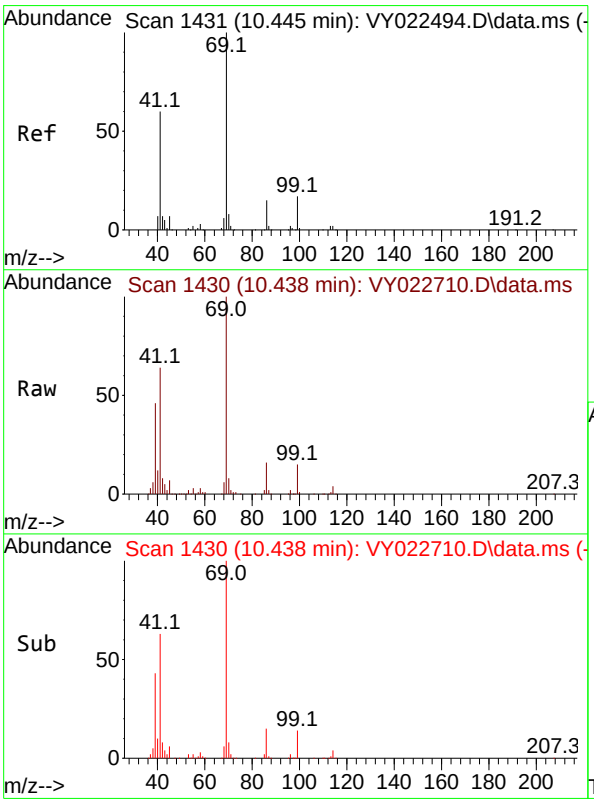
Ion	Ratio	Lower	Upper
97	100		
83	88.5	68.1	102.1
85	55.5	48.2	72.2
99	63.3	49.5	74.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

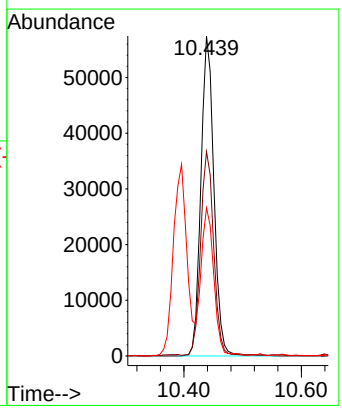
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

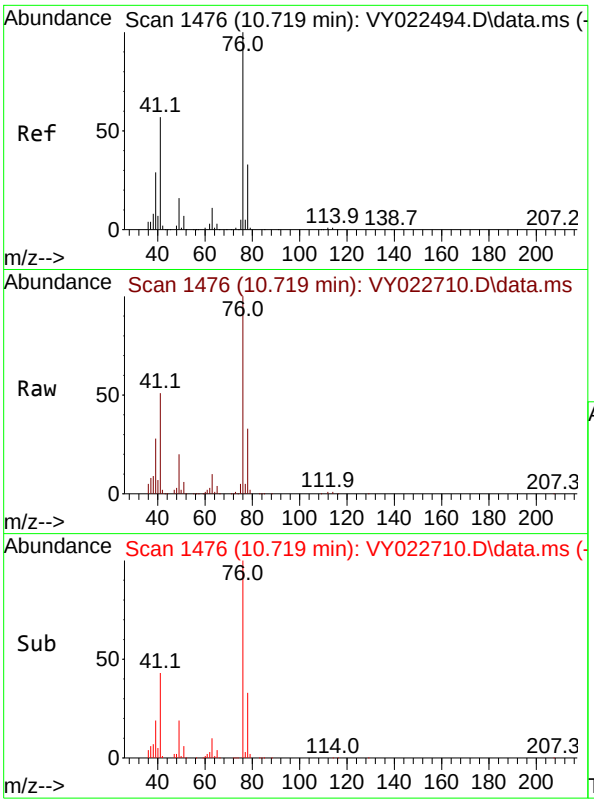


#56
Ethyl methacrylate
Concen: 53.077 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 69 Resp: 88101

Ion	Ratio	Lower	Upper
69	100		
41	63.8	52.2	78.2
39	44.5	36.7	55.1





#57
1,3-Dichloropropane
Concen: 53.030 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

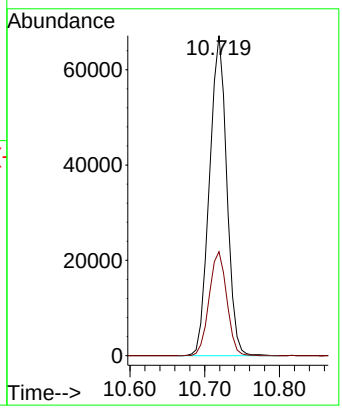
Tgt Ion: 76 Resp: 10794

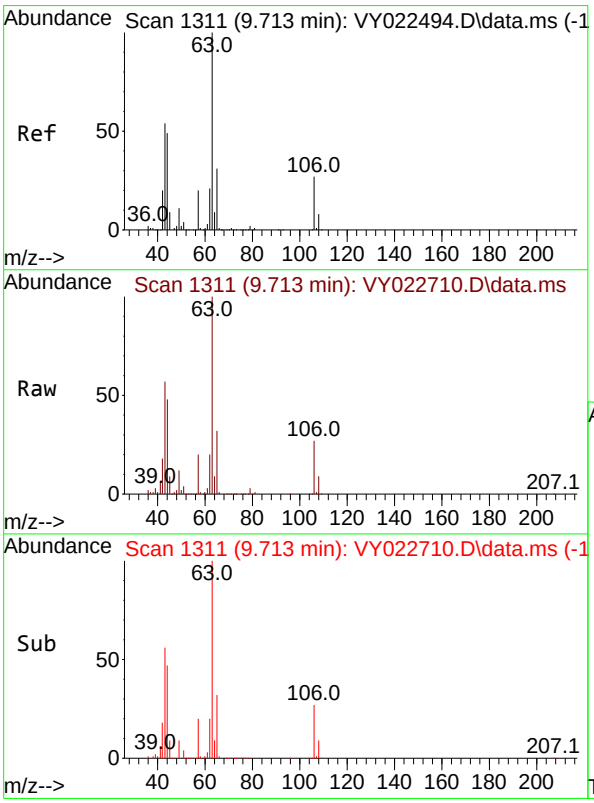
Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

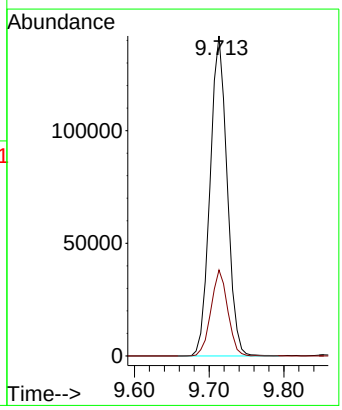


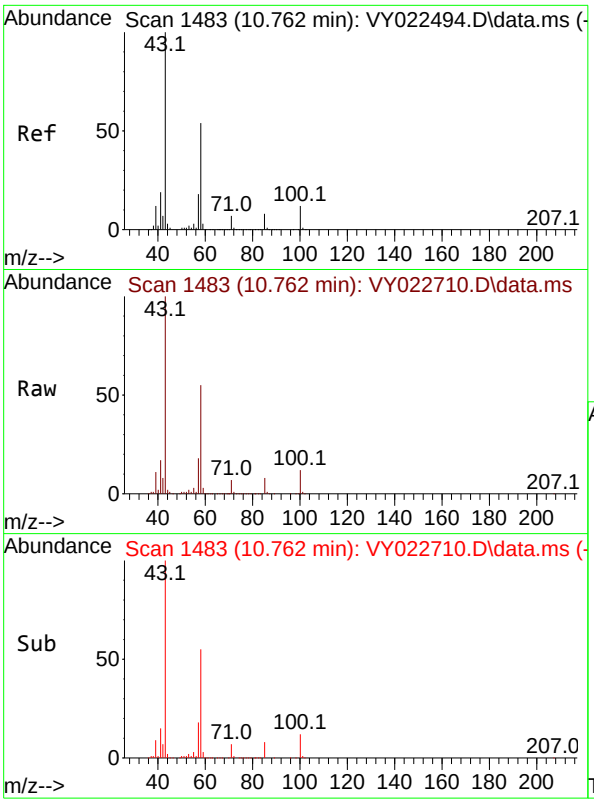


#58
2-Chloroethyl Vinyl ether
Concen: 298.467 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 63 Resp: 224931

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.6	32.4





#59
2-Hexanone
Concen: 257.533 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

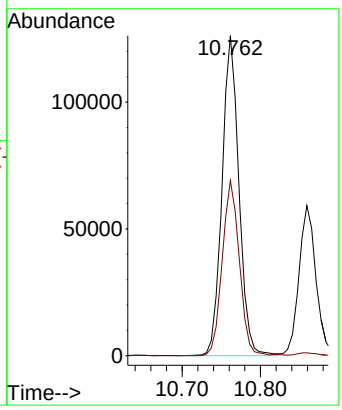
Tgt Ion: 43 Resp: 18968

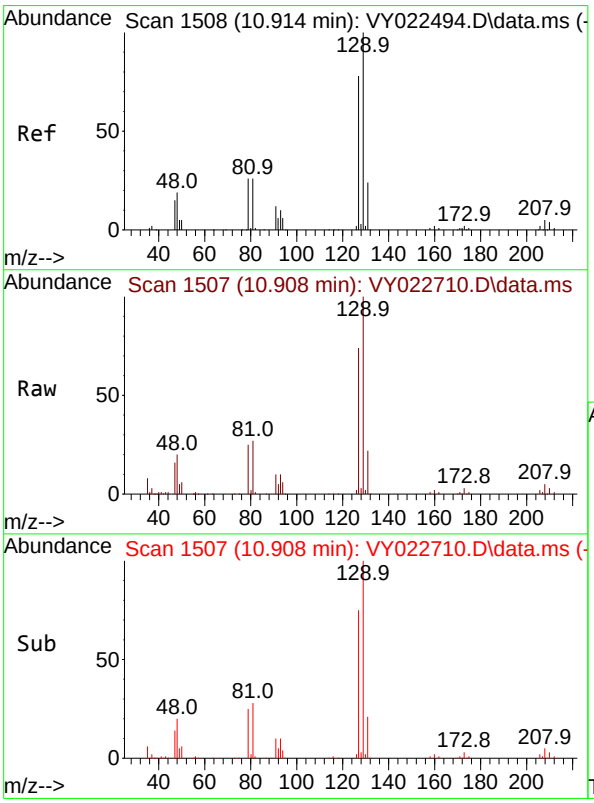
Ion	Ratio	Lower	Upper
43	100		
58	55.5	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

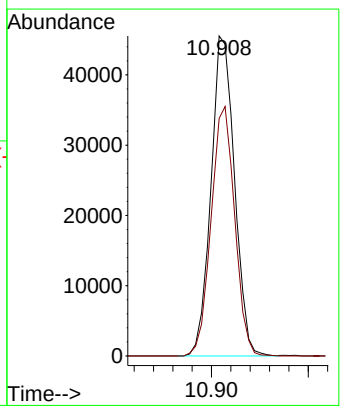


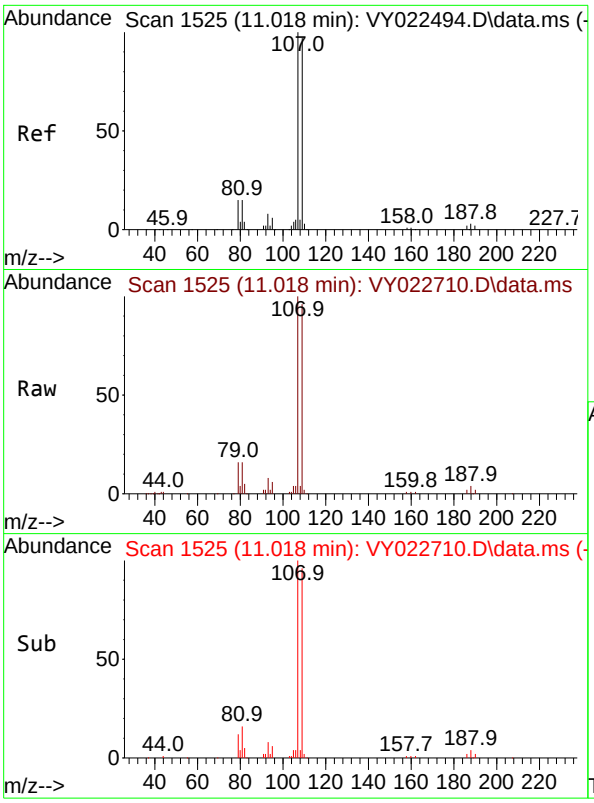


#60
Dibromochloromethane
Concen: 52.685 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:129 Resp: 76892

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.2

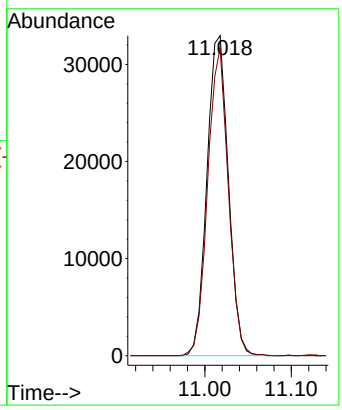




#61
1,2-Dibromoethane
Concen: 54.081 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:107 Resp: 5660

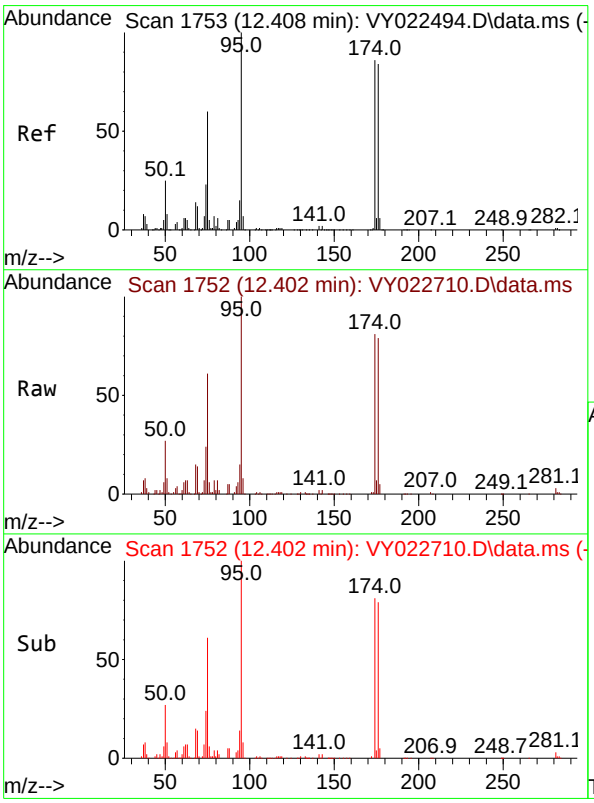
Ion	Ratio	Lower	Upper
107	100		
109	92.6	77.7	116.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

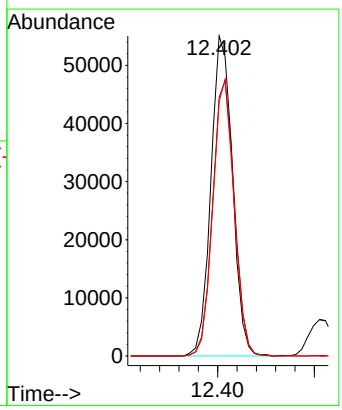
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

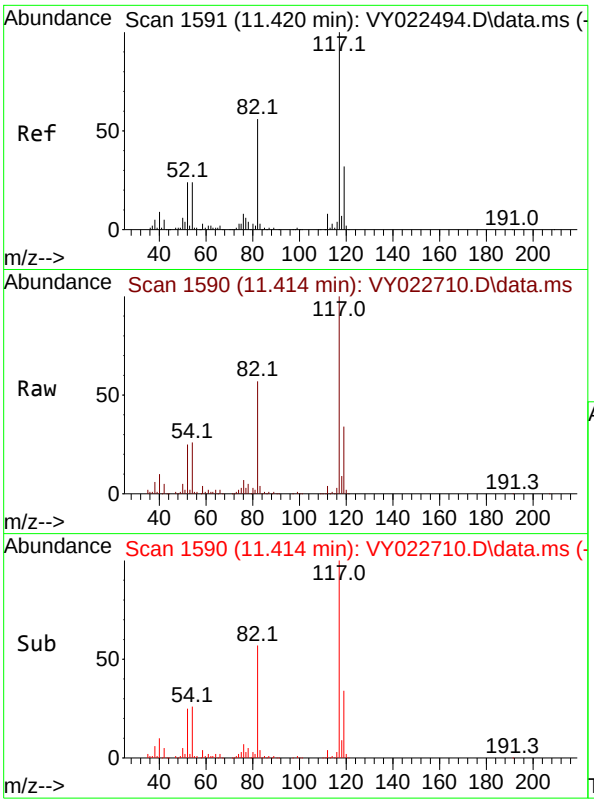


#62
4-Bromofluorobenzene
Concen: 49.999 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 95 Resp: 85060

Ion	Ratio	Lower	Upper
95	100		
174	86.9	0.0	170.0
176	84.6	0.0	166.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

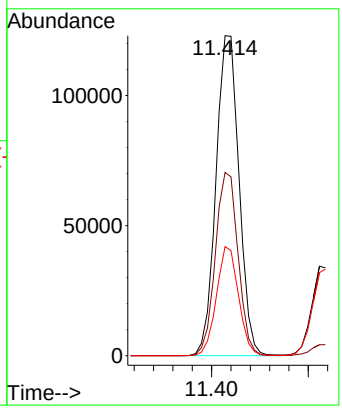
Tgt Ion:117 Resp: 20348

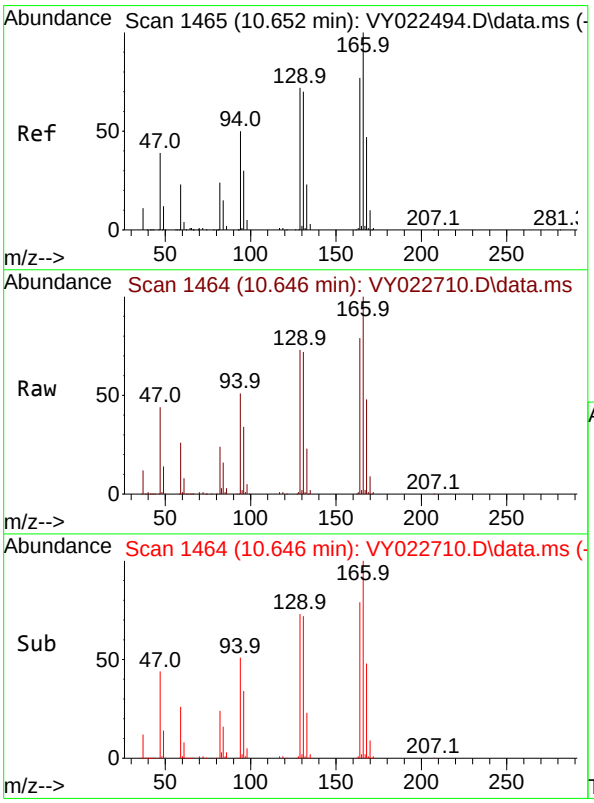
Ion	Ratio	Lower	Upper
117	100		
82	57.2	44.6	66.8
119	34.1	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

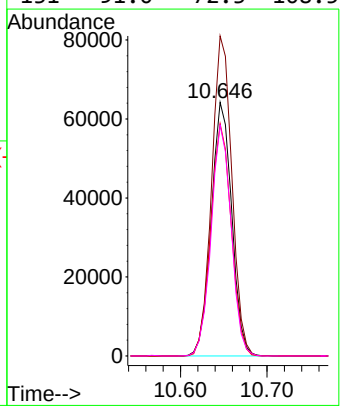


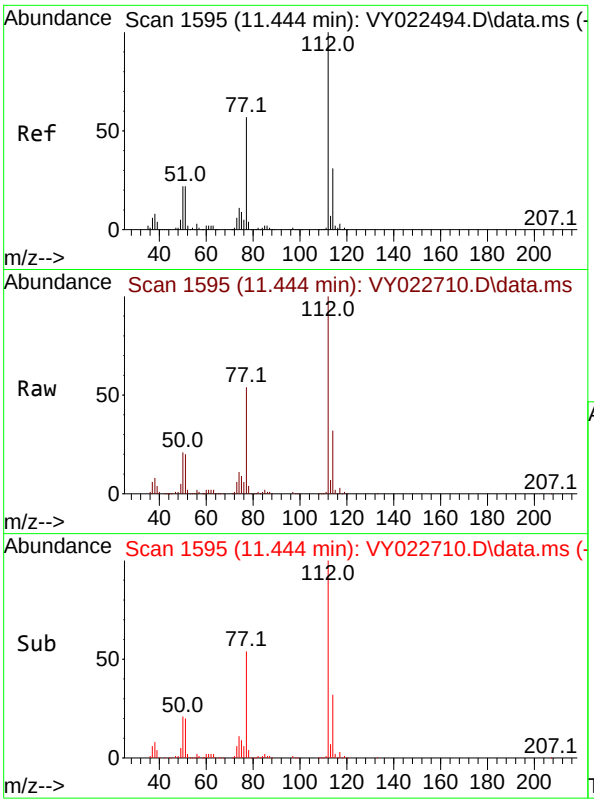


#64
Tetrachloroethene
Concen: 60.495 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:164 Resp: 105891

Ion	Ratio	Lower	Upper
164	100		
166	126.2	104.0	156.0
129	91.6	74.5	111.7
131	91.0	72.3	108.5

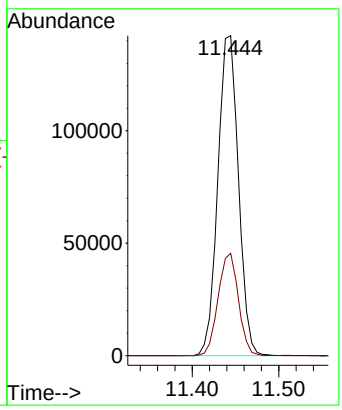




#65
Chlorobenzene
Concen: 52.235 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:112 Resp: 23520

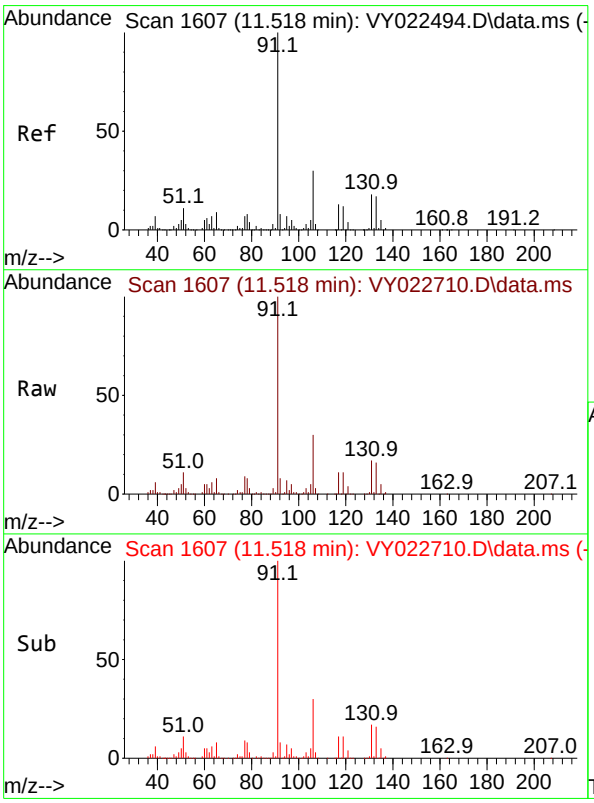
Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

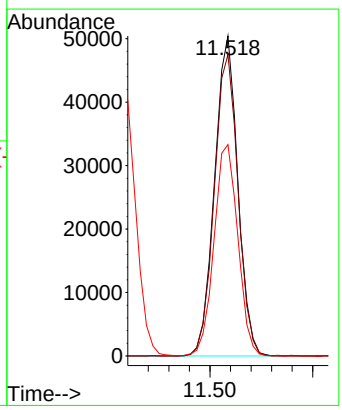
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

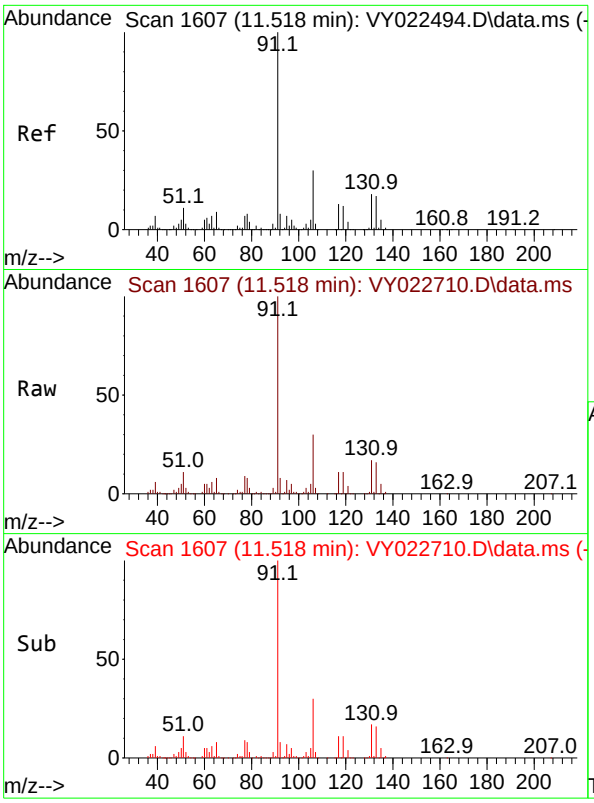


#66
1,1,1,2-Tetrachloroethane
Concen: 52.110 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:131 Resp: 79045

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.3	141.8
119	67.8	33.1	99.3

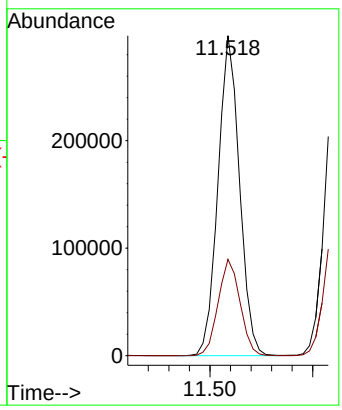




#67
Ethyl Benzene
Concen: 51.668 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 91 Resp: 43152

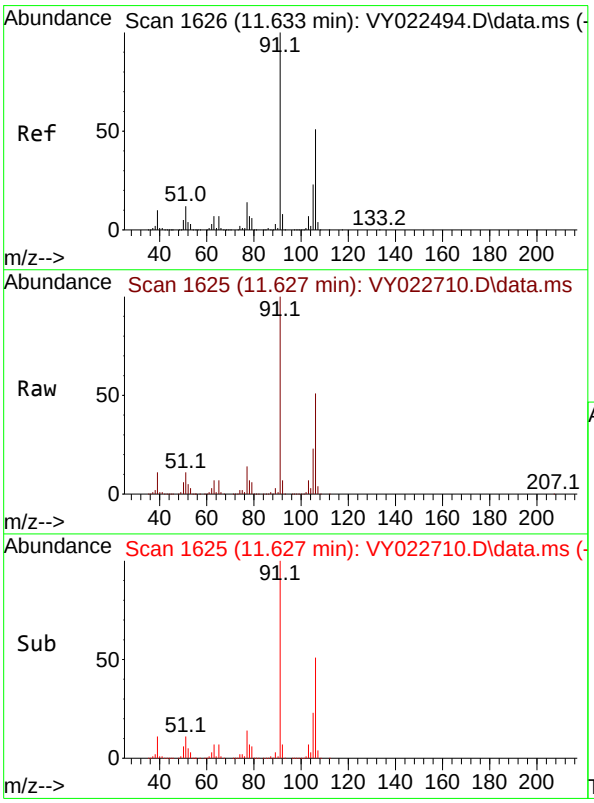
Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.2	36.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

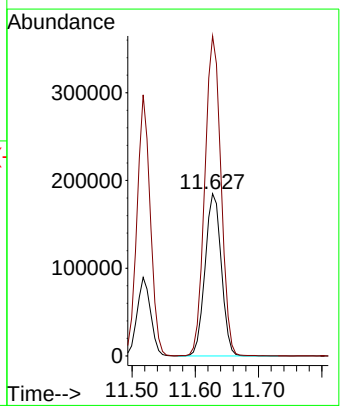
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

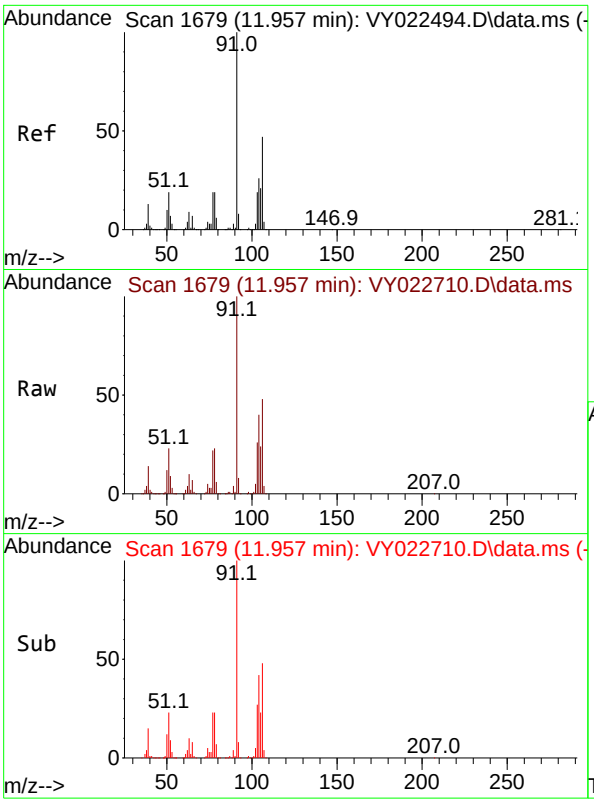


#68
m/p-Xylenes
Concen: 104.419 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:106 Resp: 330599

Ion	Ratio	Lower	Upper
106	100		
91	195.9	159.4	239.0





#69
o-Xylene
Concen: 51.787 ug/l
RT: 11.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

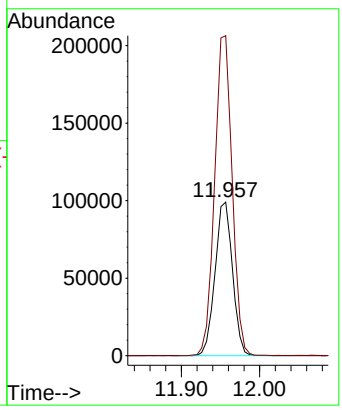
Tgt Ion:106 Resp: 15372

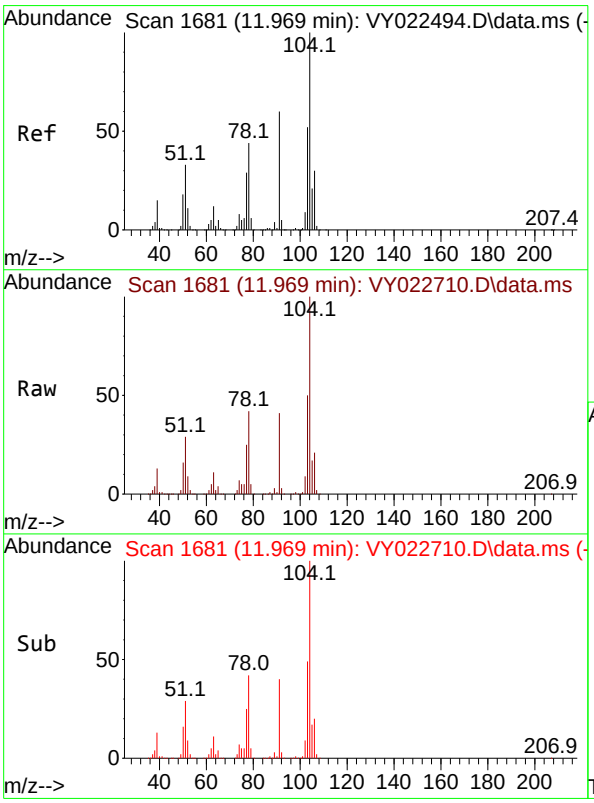
Ion	Ratio	Lower	Upper
106	100		
91	209.4	105.8	317.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

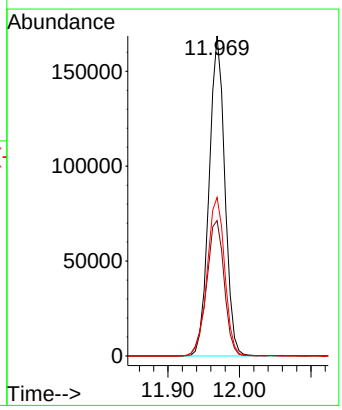


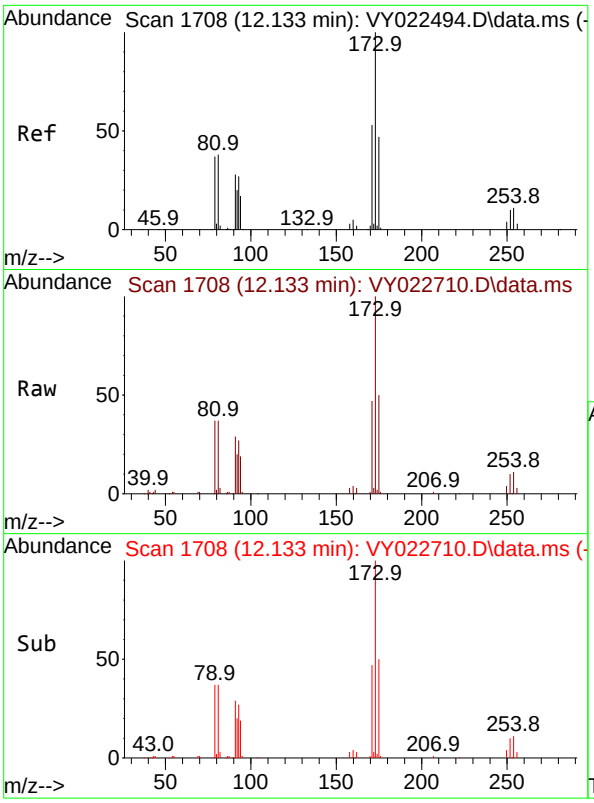


#70
Styrene
Concen: 52.478 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:104 Resp: 257498

Ion	Ratio	Lower	Upper
104	100		
78	47.6	39.5	59.3
103	54.9	44.1	66.1

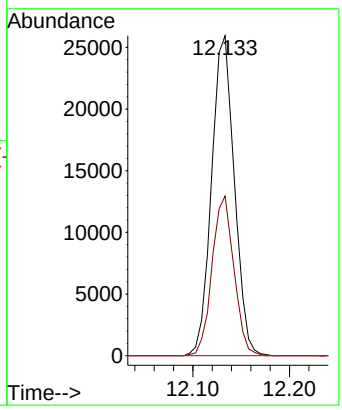




#71
Bromoform
Concen: 52.550 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:173 Resp: 4241

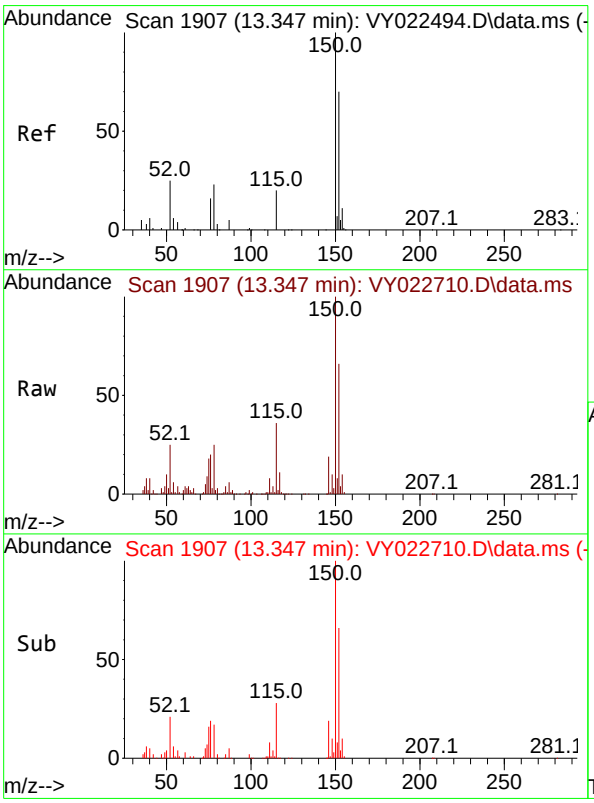
Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.8	71.5
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

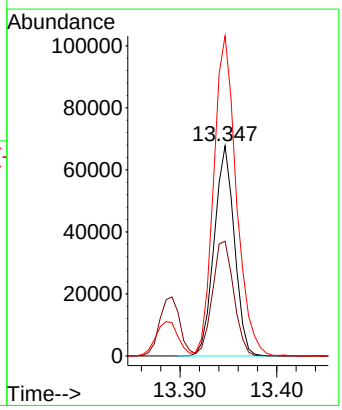
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

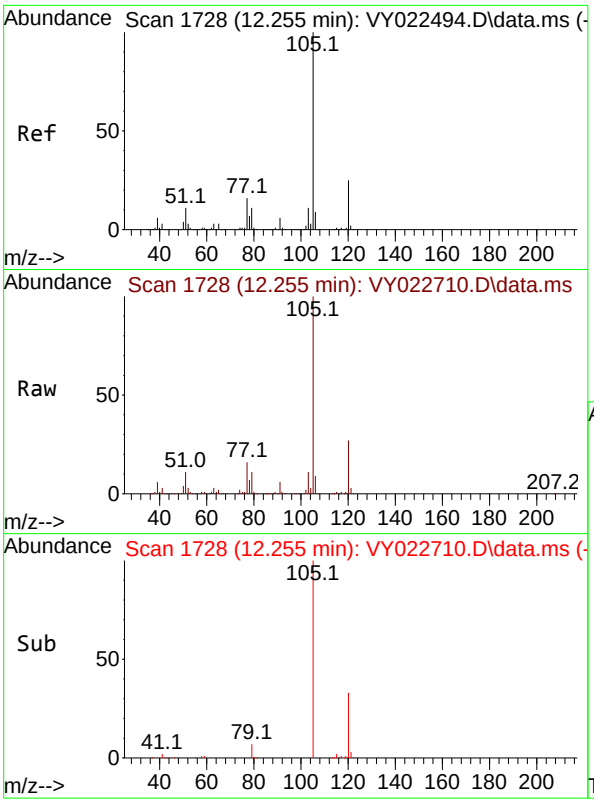


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:152 Resp: 98158

Ion	Ratio	Lower	Upper
152	100		
115	57.5	28.9	86.7
150	171.6	0.0	349.6

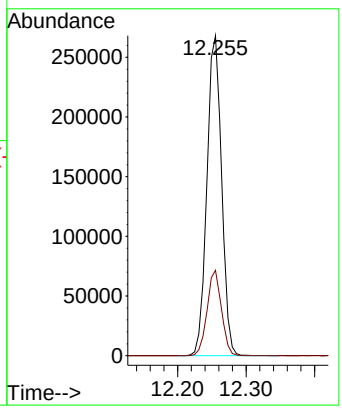




#73
Isopropylbenzene
Concen: 49.592 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:105 Resp: 39965

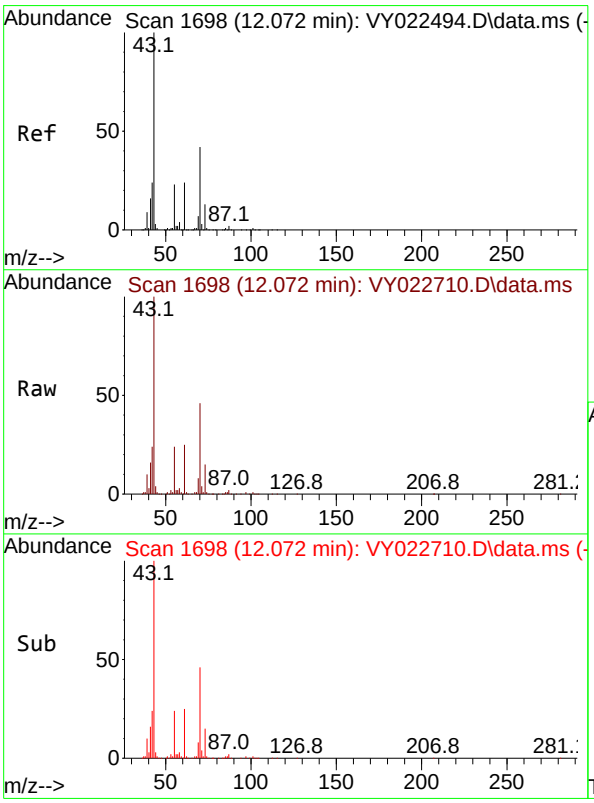
Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

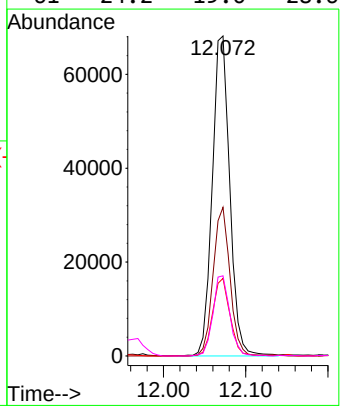
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

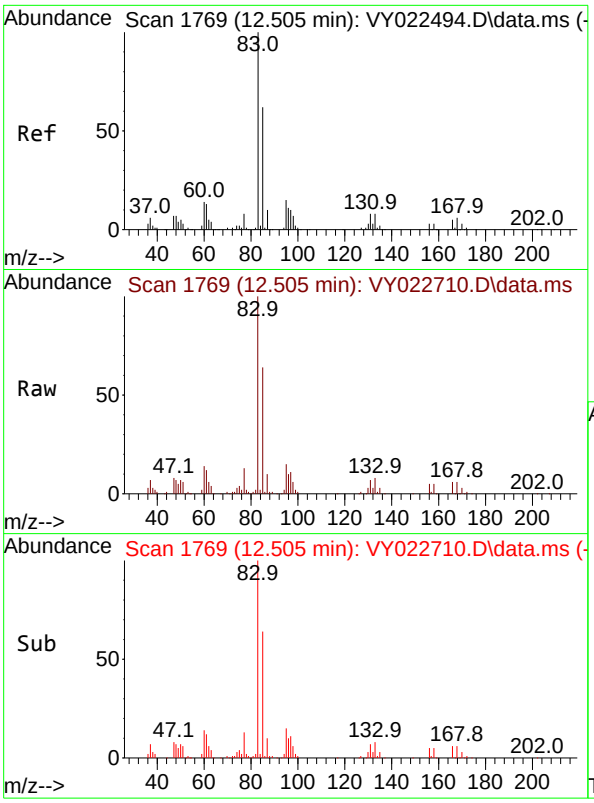


#74
N-amyl acetate
Concen: 49.690 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 43 Resp: 101040

Ion	Ratio	Lower	Upper
43	100		
70	44.9	34.2	51.2
55	23.9	18.2	27.4
61	24.2	19.0	28.6

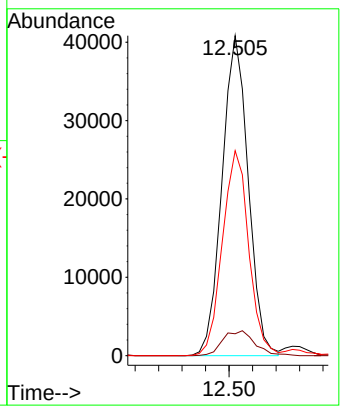




#75
1,1,2,2-Tetrachloroethane
Concen: 47.785 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 83 Resp: 6320

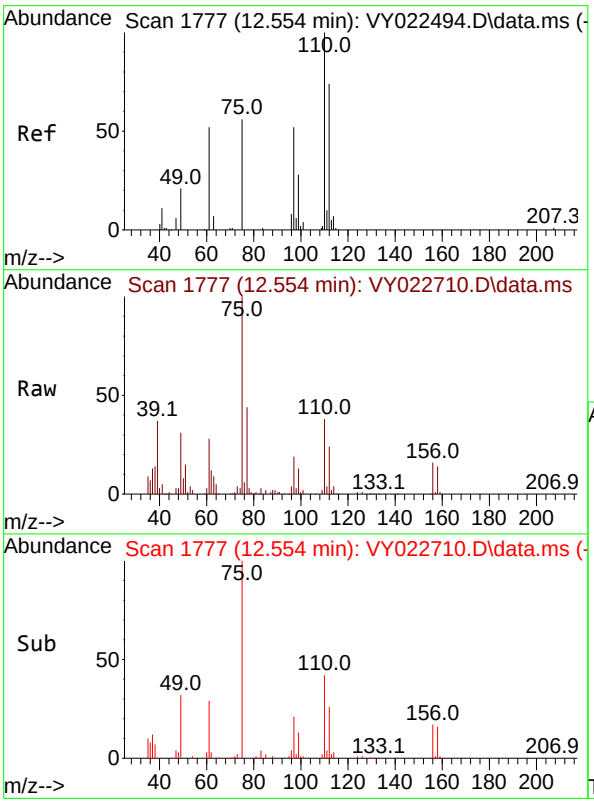
Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.9	14.7
85	64.4	32.6	97.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

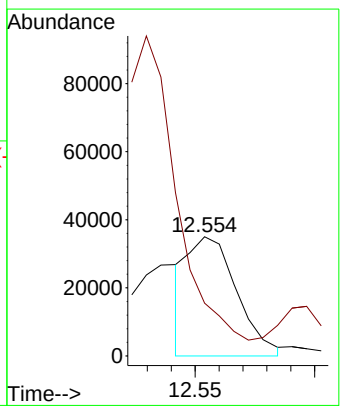
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

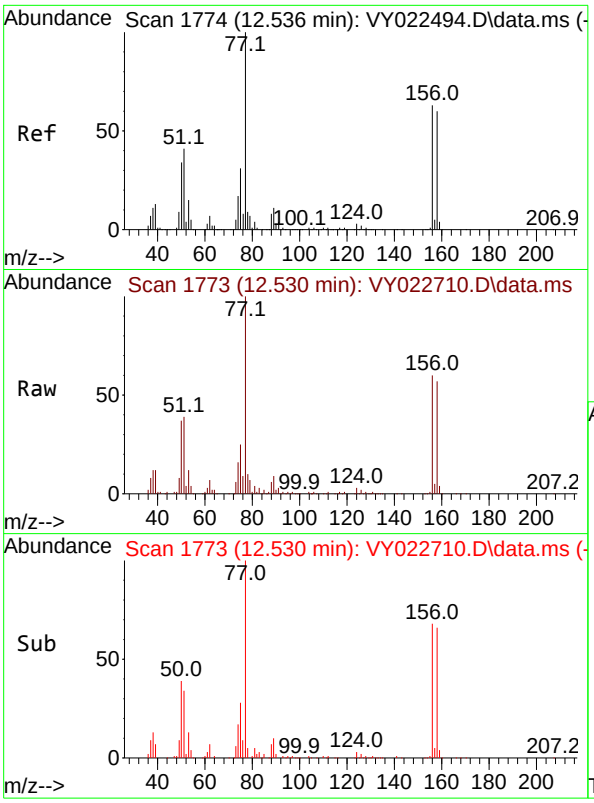


#76
1,2,3-Trichloropropane
Concen: 44.795 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 75 Resp: 50303

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

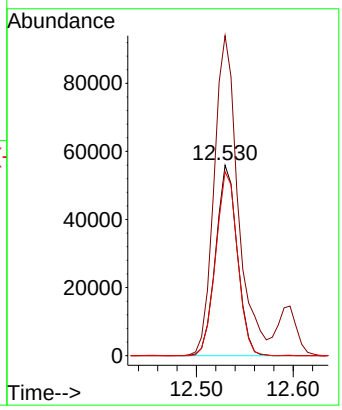




#77
Bromobenzene
Concen: 50.813 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:156 Resp: 8641

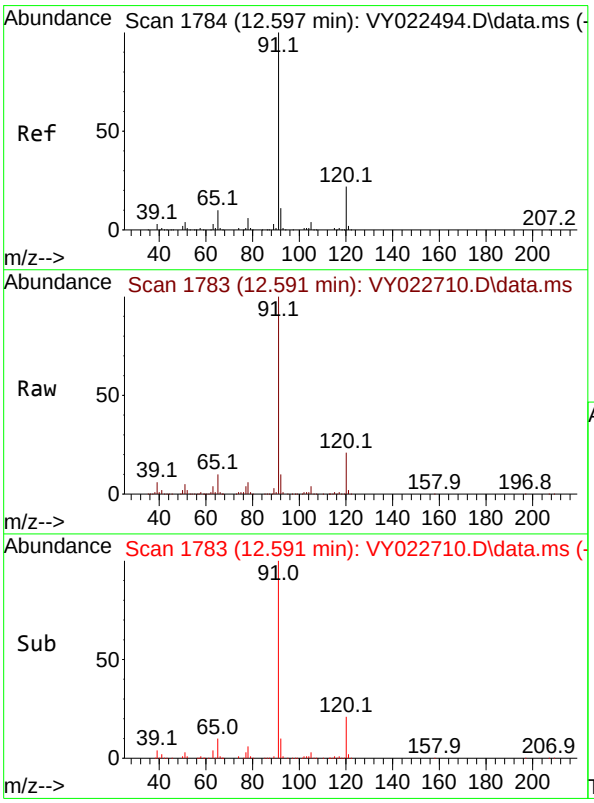
Ion	Ratio	Lower	Upper
156	100		
77	187.0	94.0	282.1
158	97.6	48.2	144.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

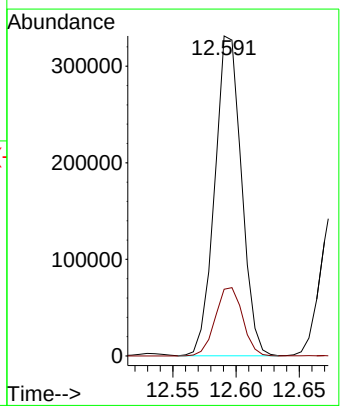
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

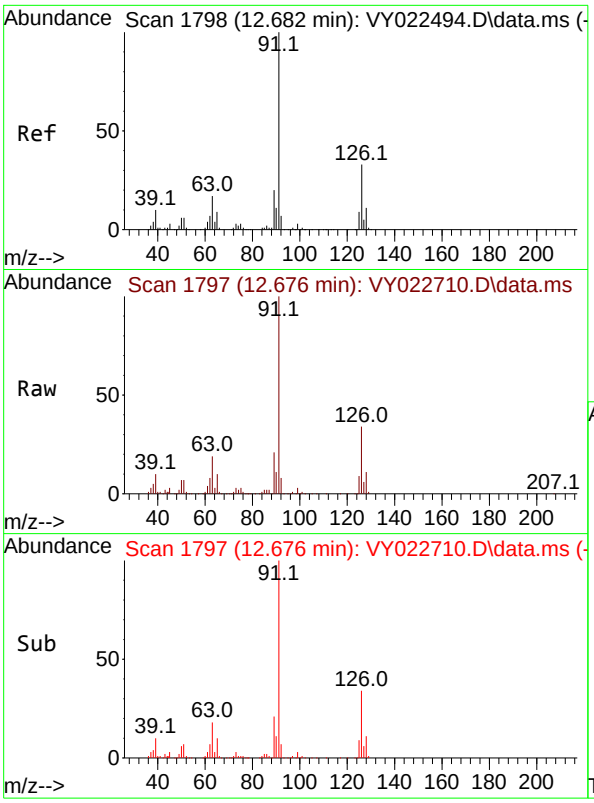


#78
n-propylbenzene
Concen: 49.320 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 91 Resp: 485449

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.8	32.4





#79
2-Chlorotoluene
Concen: 49.309 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

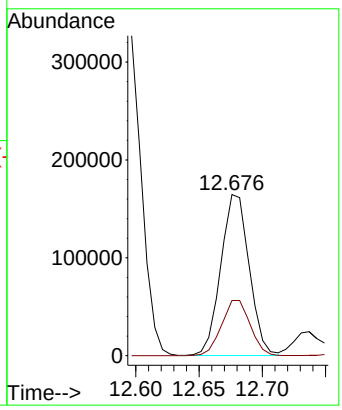
Tgt Ion: 91 Resp: 25723

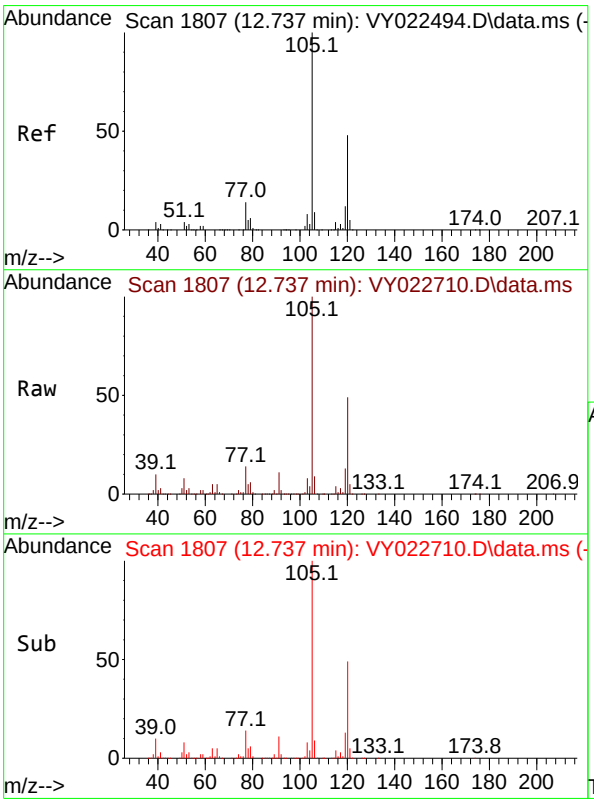
Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.0	51.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

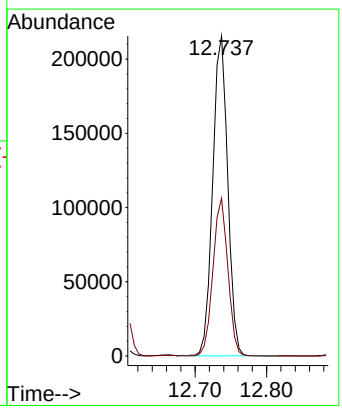


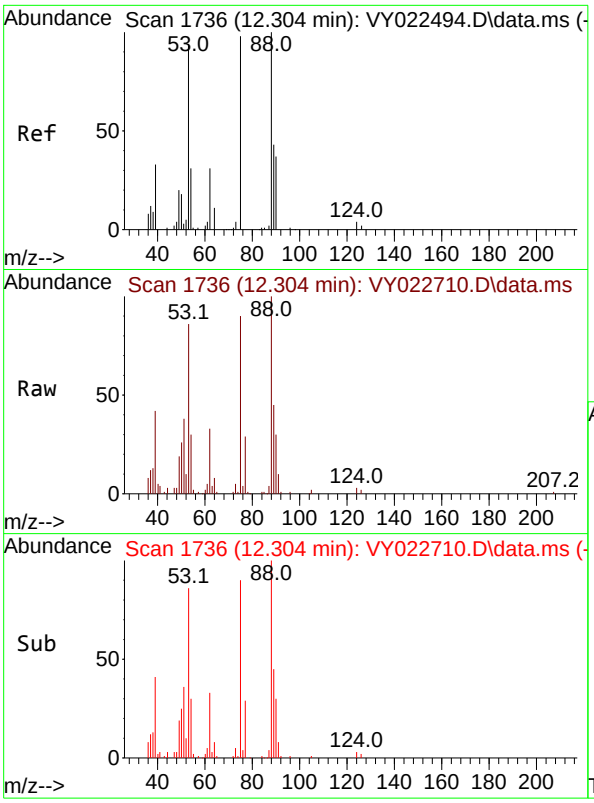


#80
1,3,5-Trimethylbenzene
Concen: 49.564 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:105 Resp: 313586

Ion	Ratio	Lower	Upper
105	100		
120	49.1	24.1	72.4

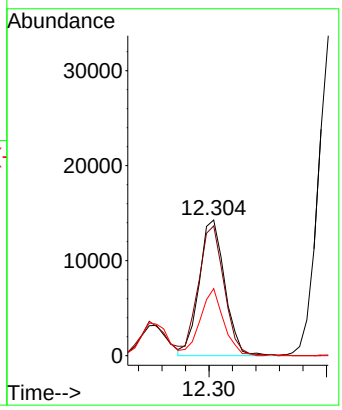




#81
trans-1,4-Dichloro-2-butene
Concen: 46.511 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 75 Resp: 2162

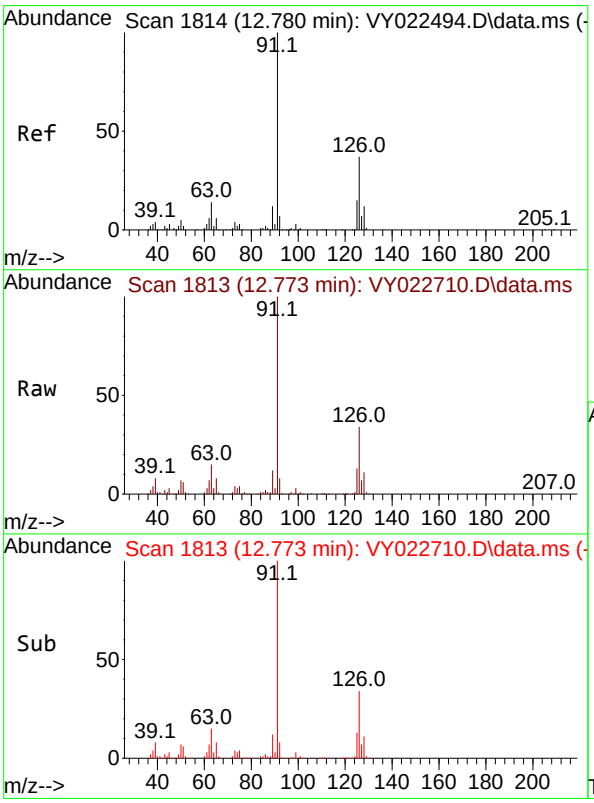
Ion	Ratio	Lower	Upper
75	100		
53	95.2	78.5	117.7
89	45.5	35.7	53.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

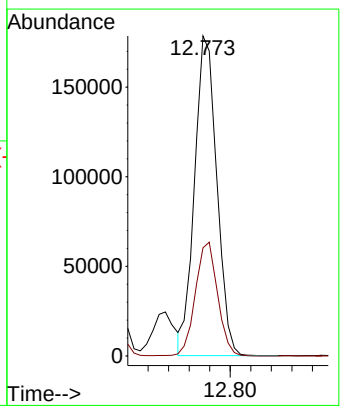
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

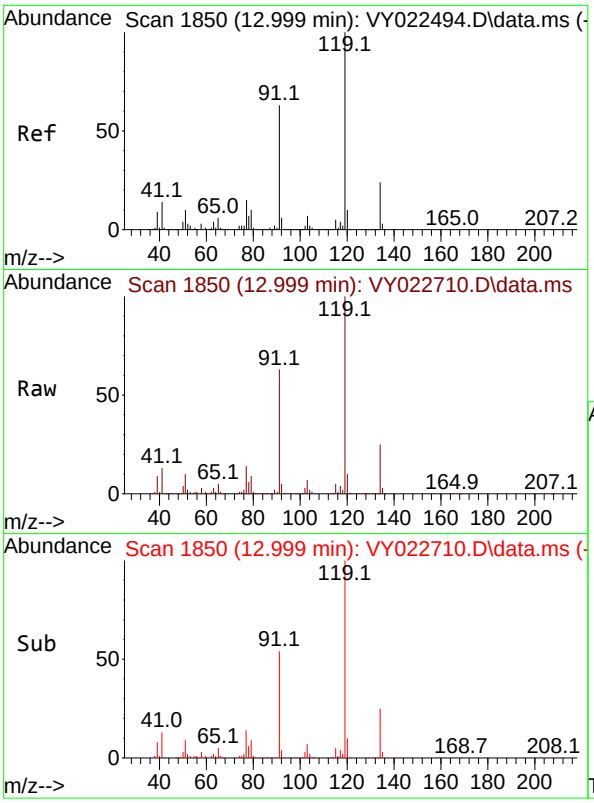


#82
4-Chlorotoluene
Concen: 49.849 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 91 Resp: 268269

Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.0	50.9

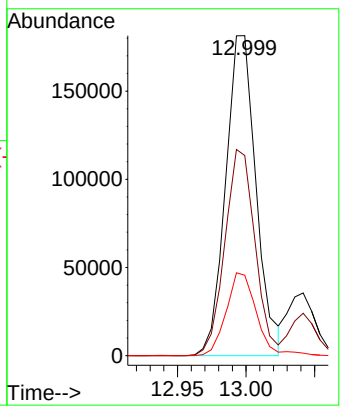




#83
tert-Butylbenzene
Concen: 49.473 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:119 Resp: 28092

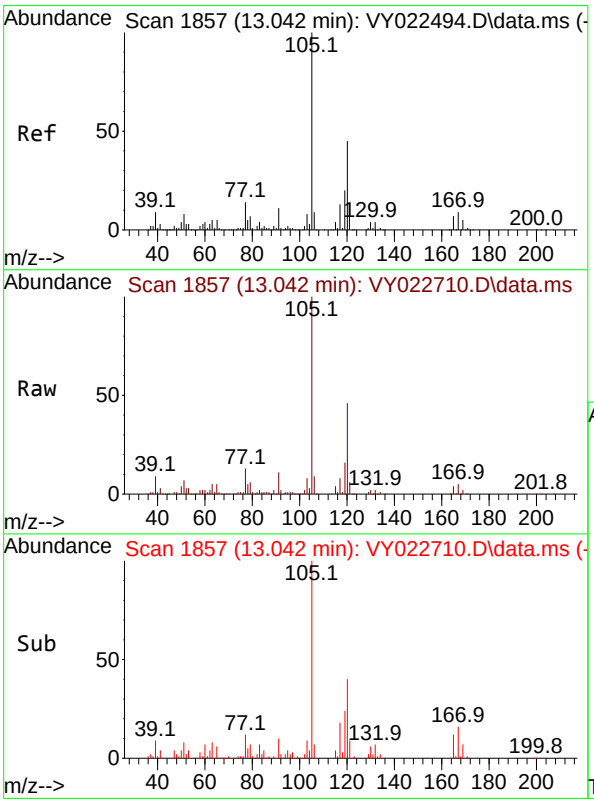
Ion	Ratio	Lower	Upper
119	100		
91	63.9	32.1	96.3
134	25.8	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

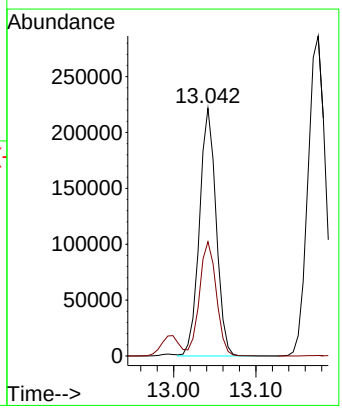
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

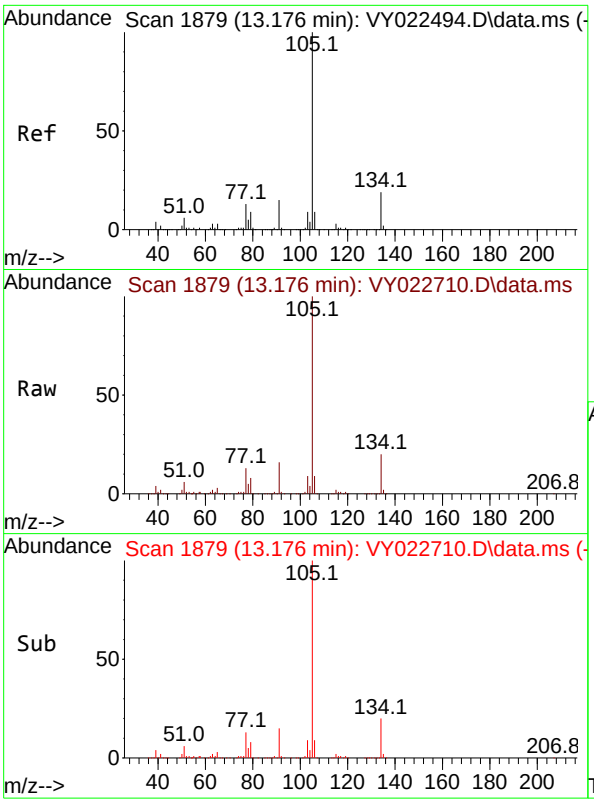


#84
1,2,4-Trimethylbenzene
Concen: 49.294 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:105 Resp: 311927

Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.7	68.1

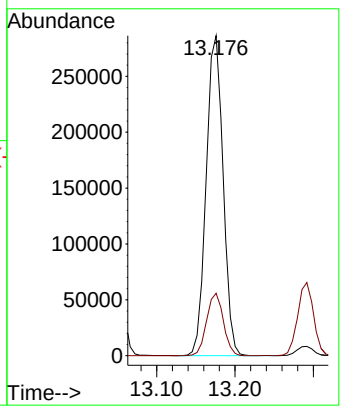




#85
sec-Butylbenzene
Concen: 49.273 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:105 Resp: 42851

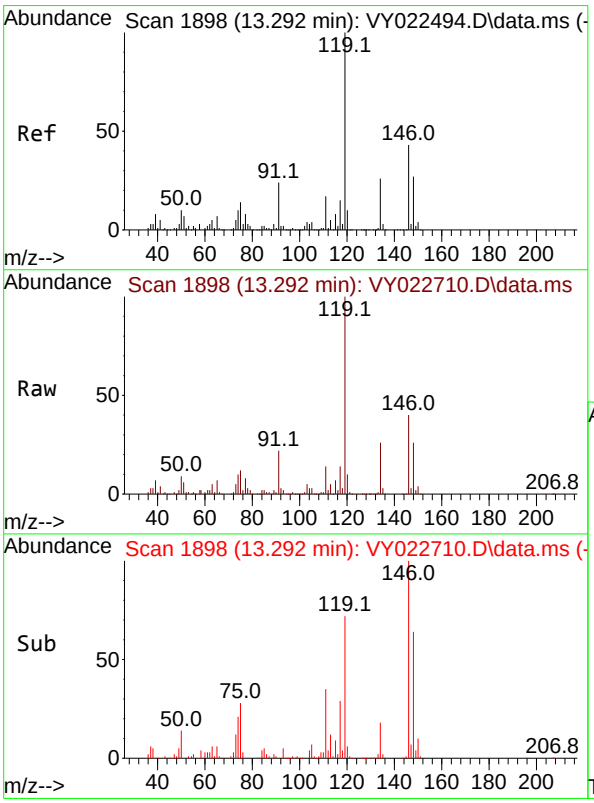
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

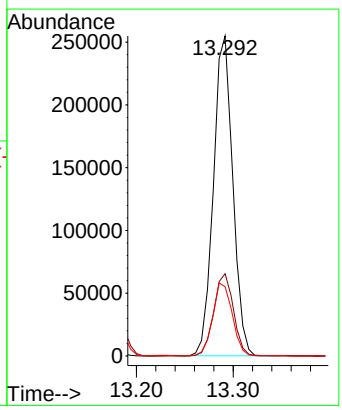
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

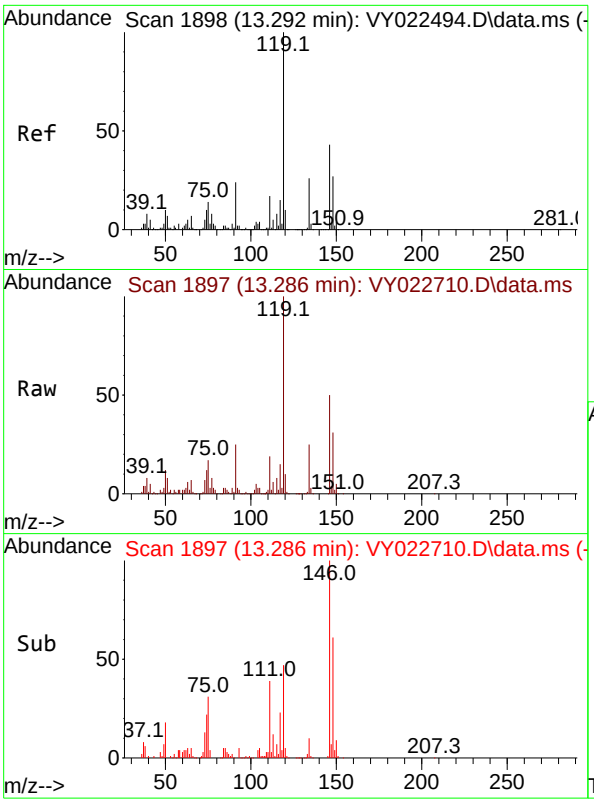


#86
p-Isopropyltoluene
Concen: 49.331 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:119 Resp: 353631

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	23.0	11.6	34.8

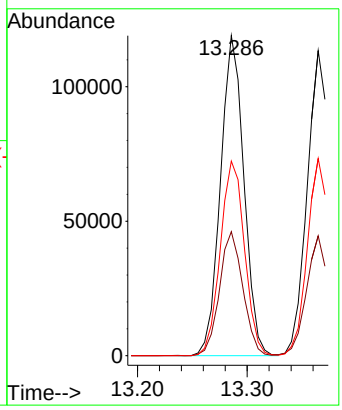




#87
1,3-Dichlorobenzene
Concen: 51.283 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:146 Resp: 17670

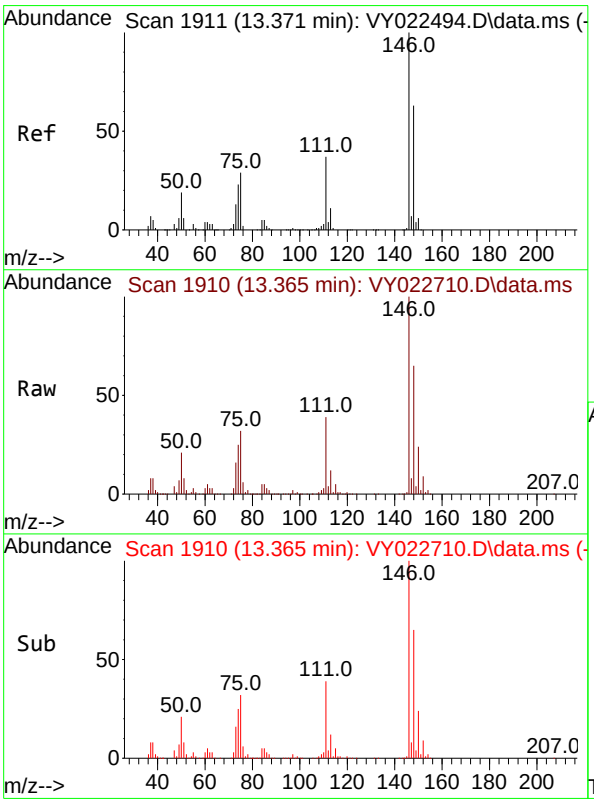
Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.1	60.2
148	62.8	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

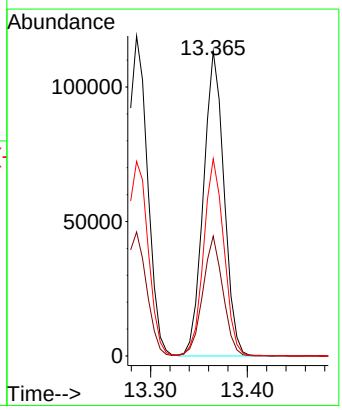
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

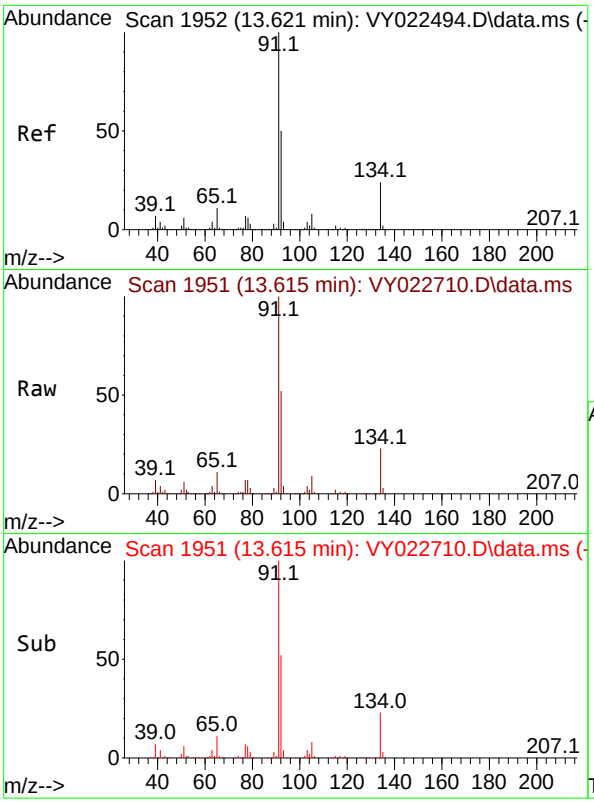


#88
1,4-Dichlorobenzene
Concen: 50.264 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:146 Resp: 167976

Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.4	58.2
148	63.9	31.6	94.8

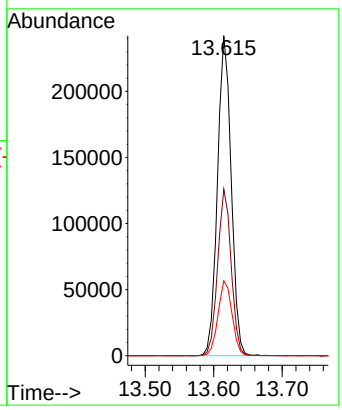




#89
n-Butylbenzene
Concen: 49.325 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 91 Resp: 33547

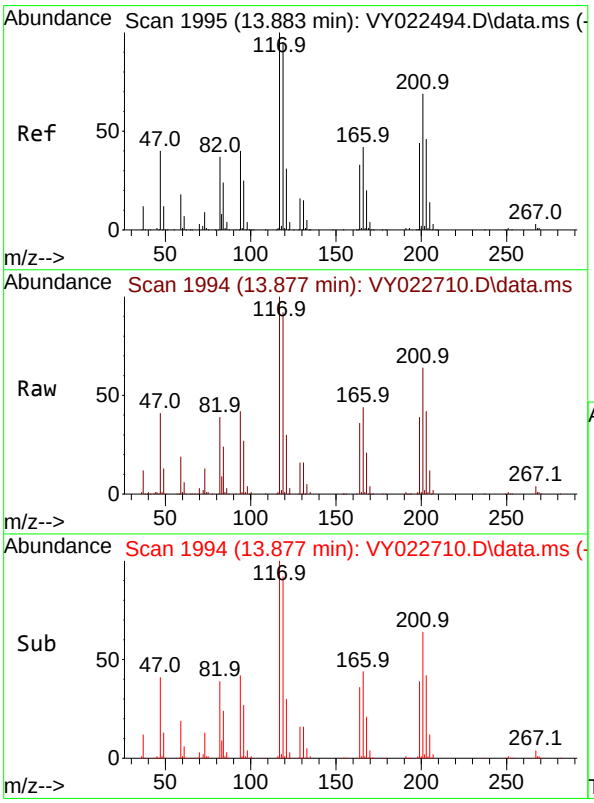
Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.9	77.8
134	23.9	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

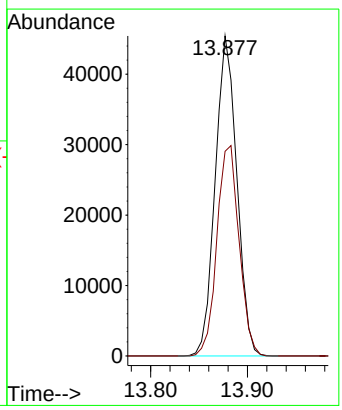
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

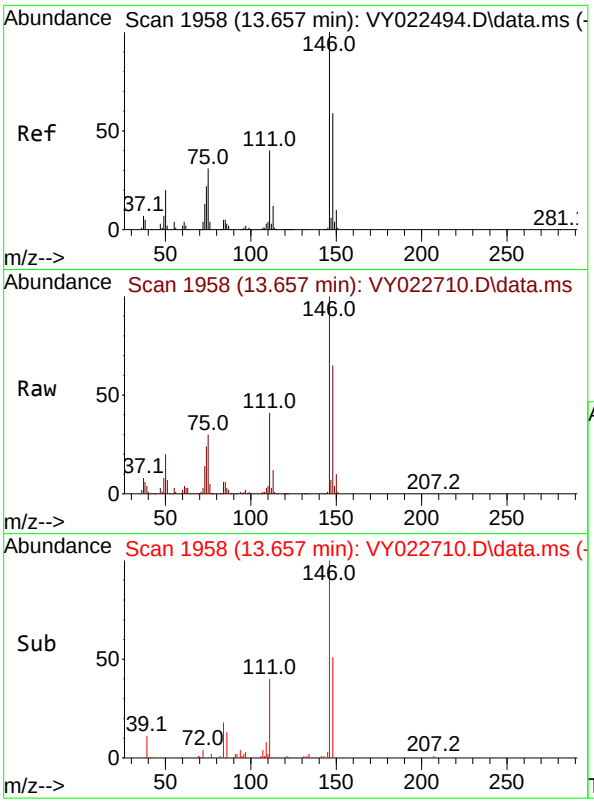


#90
Hexachloroethane
Concen: 50.519 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:117 Resp: 70503

Ion	Ratio	Lower	Upper
117	100		
201	67.5	34.0	102.0

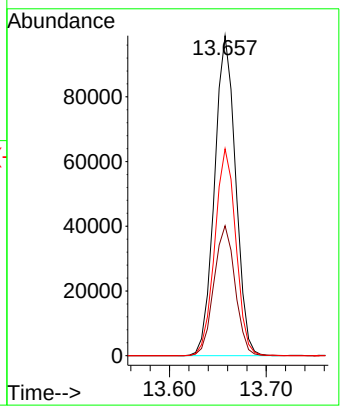




#91
1,2-Dichlorobenzene
Concen: 51.198 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:146 Resp: 14977

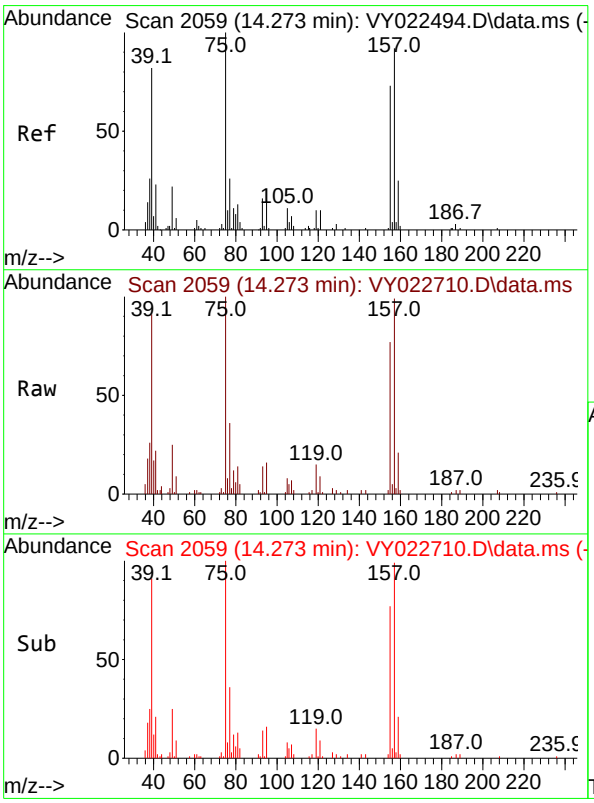
Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.2	60.6
148	64.6	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

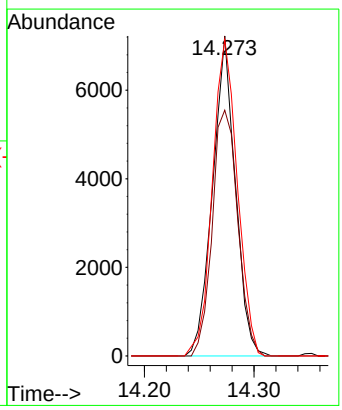
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

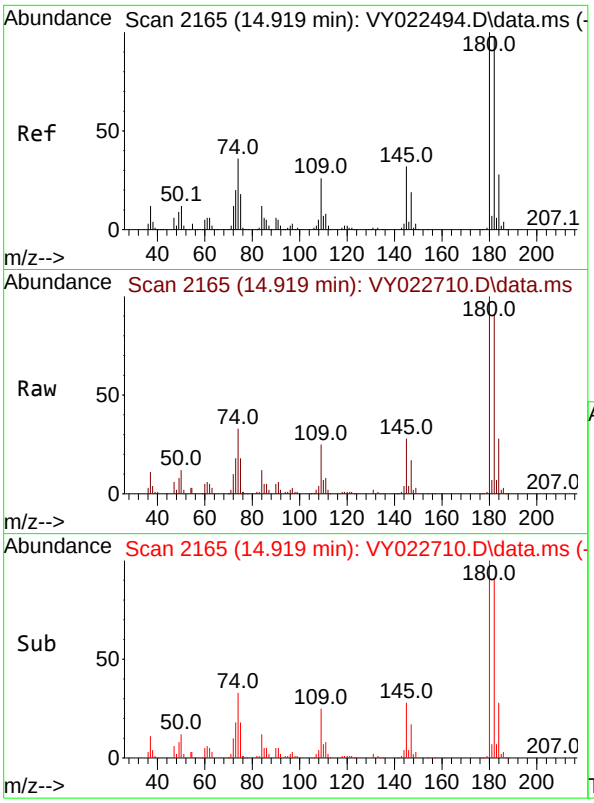


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.027 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 75 Resp: 10404

Ion	Ratio	Lower	Upper
75	100		
155	86.1	39.9	119.6
157	108.2	54.0	162.0

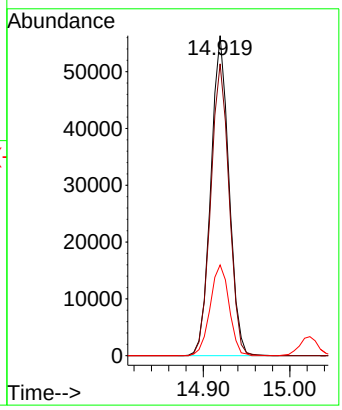




#93
1,2,4-Trichlorobenzene
Concen: 51.284 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:180 Resp: 8182

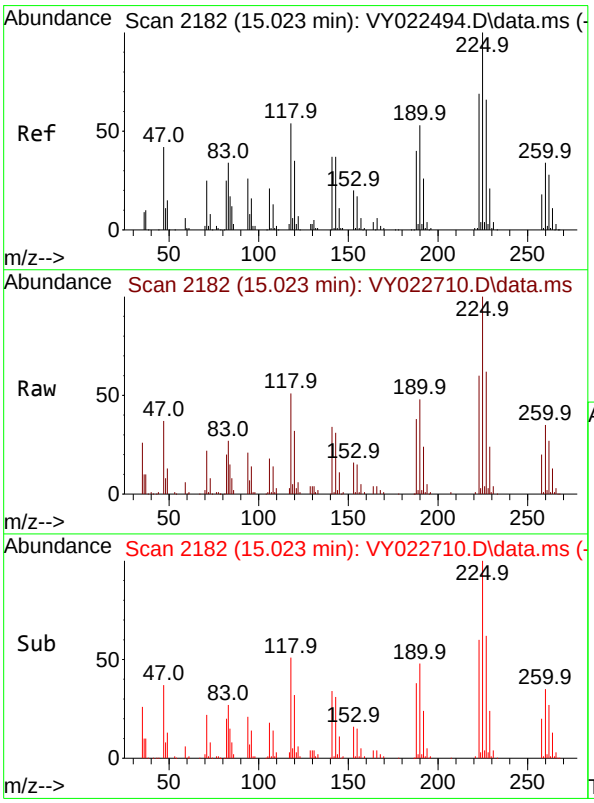
Ion	Ratio	Lower	Upper
180	100		
182	92.3	48.4	145.3
145	29.7	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

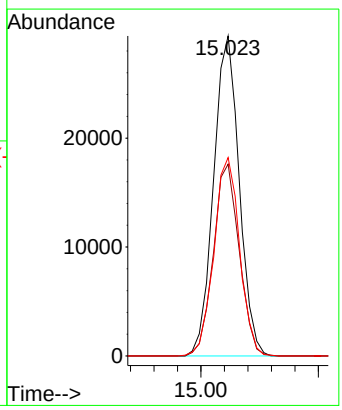
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

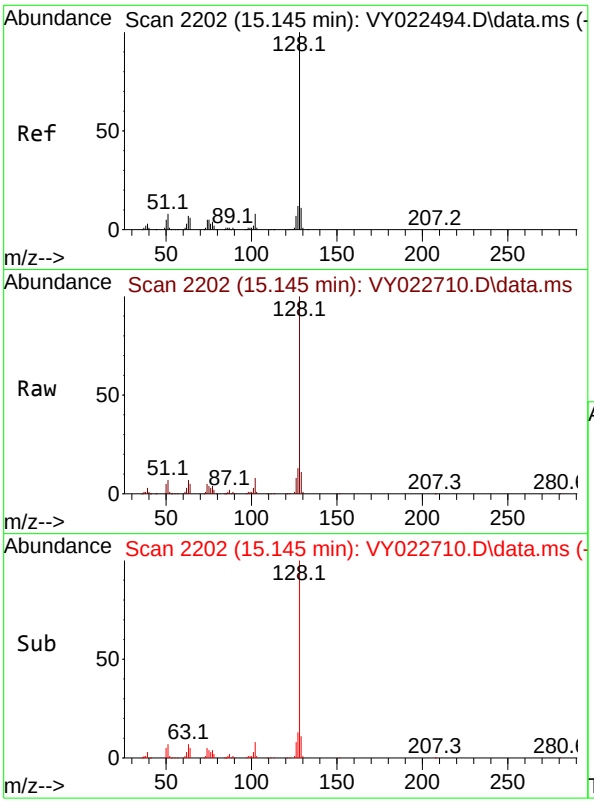


#94
Hexachlorobutadiene
Concen: 50.440 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:225 Resp: 44418

Ion	Ratio	Lower	Upper
225	100		
223	60.5	32.5	97.4
227	62.2	32.3	96.9

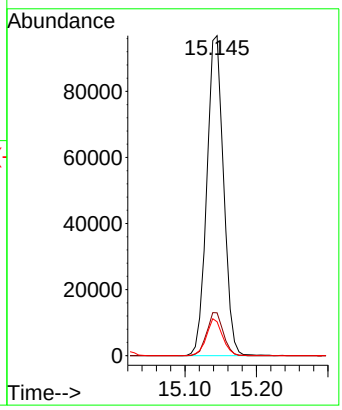




#95
Naphthalene
Concen: 51.437 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:128 Resp: 15748

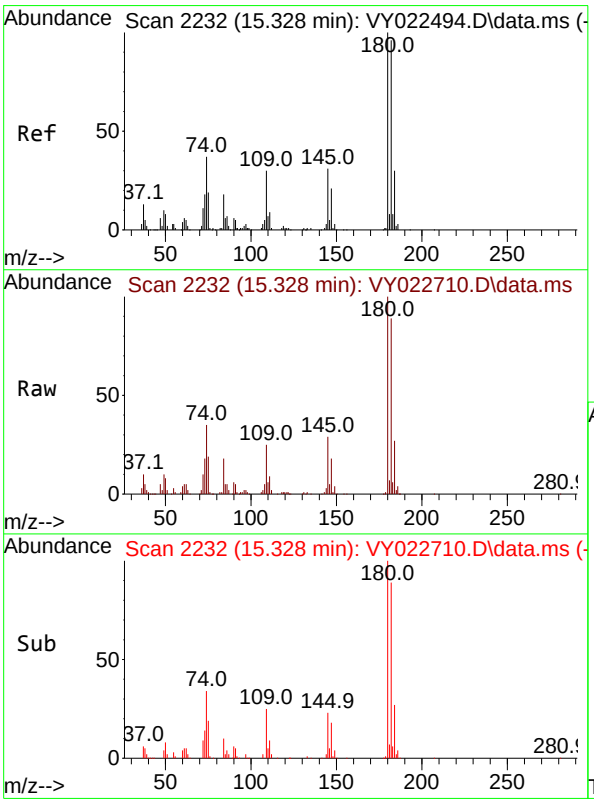
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.1	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

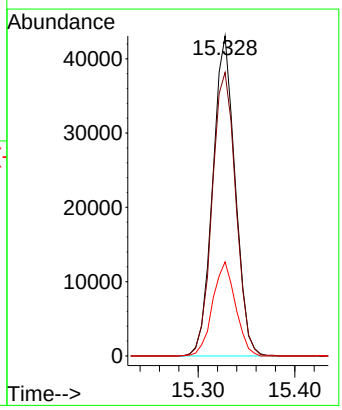
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.592 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:180 Resp: 69177

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.1	141.3
145	30.0	15.2	45.6



Sample Results: **VY022710.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022710.D
Acq On : 16 Jun 2025 16:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jun 17 05:56:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 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	66	0.00
2	T	Dichlorodifluoromethane	0.448	0.387	13.6	62	0.00
3	P	Chloromethane	1.322	1.431	-8.2	76	0.00
4	C	Vinyl Chloride	1.534	1.755	-14.4#	77	0.00
5	T	Bromomethane	1.470	1.602	-9.0	85	0.00
6	T	Chloroethane	1.053	1.331	-26.4#	91	0.00
7	T	Trichlorofluoromethane	1.302	1.567	-20.4	84	0.00
8	T	Diethyl Ether	0.293	0.307	-4.8	69	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.549	0.541	1.5	66	0.00
10	T	Methyl Iodide	0.594	0.587	1.2	60	0.00
11	T	Tert butyl alcohol	0.040	0.041	-2.5	68	0.00
12	CM	1,1-Dichloroethene	0.524	0.521	0.6#	66	0.00
13	T	Acrolein	0.050	0.017	66.0#	24#	0.00
14	T	Allyl chloride	0.823	0.778	5.5	63	0.00
15	T	Acrylonitrile	0.124	0.131	-5.6	68	0.00
16	T	Acetone	0.114	0.112	1.8	64	0.00
17	T	Carbon Disulfide	1.679	1.535	8.6	61	0.00
18	T	Methyl Acetate	0.336	0.356	-6.0	70	0.00
19	T	Methyl tert-butyl Ether	1.477	1.536	-4.0	69	0.00
20	T	Methylene Chloride	0.645	0.688	-6.7	79	-0.01
21	T	trans-1,2-Dichloroethene	0.587	0.604	-2.9	70	0.00
22	T	Diisopropyl ether	1.832	1.869	-2.0	68	0.00
23	T	Vinyl Acetate	1.084	1.082	0.2	66	0.00
24	P	1,1-Dichloroethane	1.079	1.125	-4.3	70	0.00
25	T	2-Butanone	0.164	0.169	-3.0	66	0.00
26	T	2,2-Dichloropropane	0.954	0.946	0.8	66	0.00
27	T	cis-1,2-Dichloroethene	0.678	0.724	-6.8	70	0.00
28	T	Bromochloromethane	0.471	0.506	-7.4	73	0.00
29	T	Tetrahydrofuran	0.106	0.107	-0.9	67	0.00
30	C	Chloroform	1.069	1.172	-9.6#	73	0.00
31	T	Cyclohexane	1.075	0.935	13.0	61	0.00
32	T	1,1,1-Trichloroethane	0.949	1.002	-5.6	69	0.00
33	S	1,2-Dichloroethane-d4	0.559	0.579	-3.6	64	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	67	0.00
35	S	Dibromofluoromethane	0.298	0.313	-5.0	66	0.00
36	T	1,1-Dichloropropene	0.484	0.482	0.4	67	0.00
37	T	Ethyl Acetate	0.216	0.226	-4.6	67	0.00
38	T	Carbon Tetrachloride	0.497	0.501	-0.8	67	0.00
39	T	Methylcyclohexane	0.651	0.603	7.4	62	0.00
40	TM	Benzene	1.431	1.492	-4.3	70	0.00
41	T	Methacrylonitrile	0.126	0.117	7.1	63	0.00
42	TM	1,2-Dichloroethane	0.391	0.412	-5.4	71	0.00
43	T	Isopropyl Acetate	0.467	0.467	0.0	66	0.00
44	TM	Trichloroethene	0.350	0.372	-6.3	71	0.00
45	C	1,2-Dichloropropane	0.338	0.357	-5.6#	70	0.00
46	T	Dibromomethane	0.190	0.205	-7.9	72	0.00
47	T	Bromodichloromethane	0.482	0.531	-10.2	73	0.00
48	T	Methyl methacrylate	0.219	0.210	4.1	64	0.00

Sample Results: **VY022710.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022710.D
Acq On : 16 Jun 2025 16:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jun 17 05:56:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 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	70	0.00
50	S	Toluene-d8	1.206	1.250	-3.6	66	0.00
51	T	4-Methyl-2-Pentanone	0.233	0.245	-5.2	68	0.00
52	CM	Toluene	0.899	0.931	-3.6#	70	0.00
53	T	t-1,3-Dichloropropene	0.452	0.473	-4.6	69	0.00
54	T	cis-1,3-Dichloropropene	0.526	0.545	-3.6	68	0.00
55	T	1,1,2-Trichloroethane	0.243	0.258	-6.2	72	0.00
56	T	Ethyl methacrylate	0.351	0.372	-6.0	69	0.00
57	T	1,3-Dichloropropane	0.430	0.456	-6.0	71	0.00
58	T	2-Chloroethyl Vinyl ether	0.159	0.190	-19.5	80	0.00
59	T	2-Hexanone	0.156	0.160	-2.6	67	0.00
60	T	Dibromochloromethane	0.308	0.325	-5.5	70	0.00
61	T	1,2-Dibromoethane	0.221	0.239	-8.1	72	0.00
62	S	4-Bromofluorobenzene	0.359	0.359	0.0	65	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	68	0.00
64	T	Tetrachloroethene	0.430	0.520	-20.9	81	0.00
65	PM	Chlorobenzene	1.106	1.156	-4.5	71	0.00
66	T	1,1,1,2-Tetrachloroethane	0.373	0.388	-4.0	70	0.00
67	C	Ethyl Benzene	2.052	2.121	-3.4#	69	0.00
68	T	m/p-Xylenes	0.778	0.812	-4.4	71	0.00
69	T	o-Xylene	0.729	0.755	-3.6	70	0.00
70	T	Styrene	1.206	1.265	-4.9	70	0.00
71	P	Bromoform	0.198	0.208	-5.1	71	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	70	0.00
73	T	Isopropylbenzene	4.105	4.072	0.8	69	0.00
74	T	N-amyl acetate	1.036	1.029	0.7	68	0.00
75	P	1,1,2,2-Tetrachloroethane	0.674	0.644	4.5	66	0.00
76	T	1,2,3-Trichloropropane	0.572	0.512	10.5	57	0.00
77	T	Bromobenzene	0.866	0.880	-1.6	71	0.00
78	T	n-propylbenzene	5.014	4.946	1.4	69	0.00
79	T	2-Chlorotoluene	2.657	2.621	1.4	69	0.00
80	T	1,3,5-Trimethylbenzene	3.223	3.195	0.9	69	0.00
81	T	trans-1,4-Dichloro-2-butene	0.237	0.220	7.2	66	0.00
82	T	4-Chlorotoluene	2.741	2.733	0.3	69	0.00
83	T	tert-Butylbenzene	2.893	2.862	1.1	69	0.00
84	T	1,2,4-Trimethylbenzene	3.223	3.178	1.4	69	0.00
85	T	sec-Butylbenzene	4.430	4.366	1.4	69	0.00
86	T	p-Isopropyltoluene	3.652	3.603	1.3	69	0.00
87	T	1,3-Dichlorobenzene	1.755	1.800	-2.6	73	0.00
88	T	1,4-Dichlorobenzene	1.702	1.711	-0.5	71	0.00
89	T	n-Butylbenzene	3.464	3.418	1.3	68	0.00
90	T	Hexachloroethane	0.711	0.718	-1.0	71	0.00
91	T	1,2-Dichlorobenzene	1.490	1.526	-2.4	71	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.098	0.106	-8.2	71	0.00
93	T	1,2,4-Trichlorobenzene	0.813	0.834	-2.6	72	0.00
94	T	Hexachlorobutadiene	0.449	0.453	-0.9	71	0.00
95	T	Naphthalene	1.560	1.604	-2.8	70	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022710.D
Acq On : 16 Jun 2025 16:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jun 17 05:56:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 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	0.697	0.705	-1.1	71	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY022710.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022710.D
Acq On : 16 Jun 2025 16:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jun 17 05:56:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 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	66	0.00
2	T	Dichlorodifluoromethane	50.000	43.205	13.6	62	0.00
3	P	Chloromethane	50.000	54.102	-8.2	76	0.00
4	C	Vinyl Chloride	50.000	57.201	-14.4#	77	0.00
5	T	Bromomethane	50.000	54.469	-8.9	85	0.00
6	T	Chloroethane	50.000	63.190	-26.4#	91	0.00
7	T	Trichlorofluoromethane	50.000	60.168	-20.3	84	0.00
8	T	Diethyl Ether	50.000	52.268	-4.5	69	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.345	1.3	66	0.00
10	T	Methyl Iodide	50.000	49.418	1.2	60	0.00
11	T	Tert butyl alcohol	250.000	255.390	-2.2	68	0.00
12	CM	1,1-Dichloroethene	50.000	49.635	0.7#	66	0.00
13	T	Acrolein	250.000	87.831	64.9#	24	0.00
14	T	Allyl chloride	50.000	47.269	5.5	63	0.00
15	T	Acrylonitrile	250.000	263.071	-5.2	68	0.00
16	T	Acetone	250.000	246.431	1.4	64	0.00
17	T	Carbon Disulfide	50.000	45.723	8.6	61	0.00
18	T	Methyl Acetate	50.000	52.991	-6.0	70	0.00
19	T	Methyl tert-butyl Ether	50.000	52.020	-4.0	69	0.00
20	T	Methylene Chloride	50.000	53.338	-6.7	79	-0.01
21	T	trans-1,2-Dichloroethene	50.000	51.487	-3.0	70	0.00
22	T	Diisopropyl ether	50.000	51.002	-2.0	68	0.00
23	T	Vinyl Acetate	250.000	249.432	0.2	66	0.00
24	P	1,1-Dichloroethane	50.000	52.136	-4.3	70	0.00
25	T	2-Butanone	250.000	257.879	-3.2	66	0.00
26	T	2,2-Dichloropropane	50.000	49.599	0.8	66	0.00
27	T	cis-1,2-Dichloroethene	50.000	53.374	-6.7	70	0.00
28	T	Bromochloromethane	50.000	53.812	-7.6	73	0.00
29	T	Tetrahydrofuran	250.000	253.774	-1.5	67	0.00
30	C	Chloroform	50.000	54.803	-9.6#	73	0.00
31	T	Cyclohexane	50.000	43.527	12.9	61	0.00
32	T	1,1,1-Trichloroethane	50.000	52.784	-5.6	69	0.00
33	S	1,2-Dichloroethane-d4	50.000	51.781	-3.6	64	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	67	0.00
35	S	Dibromofluoromethane	50.000	52.430	-4.9	66	0.00
36	T	1,1-Dichloropropene	50.000	49.798	0.4	67	0.00
37	T	Ethyl Acetate	50.000	52.401	-4.8	67	0.00
38	T	Carbon Tetrachloride	50.000	50.410	-0.8	67	0.00
39	T	Methylcyclohexane	50.000	46.329	7.3	62	0.00
40	TM	Benzene	50.000	52.152	-4.3	70	0.00
41	T	Methacrylonitrile	50.000	46.208	7.6	63	0.00
42	TM	1,2-Dichloroethane	50.000	52.679	-5.4	71	0.00
43	T	Isopropyl Acetate	50.000	50.078	-0.2	66	0.00
44	TM	Trichloroethene	50.000	53.249	-6.5	71	0.00
45	C	1,2-Dichloropropane	50.000	52.735	-5.5#	70	0.00
46	T	Dibromomethane	50.000	53.929	-7.9	72	0.00
47	T	Bromodichloromethane	50.000	55.076	-10.2	73	0.00
48	T	Methyl methacrylate	50.000	47.993	4.0	64	0.00

Sample Results: **VY022710.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022710.D
Acq On : 16 Jun 2025 16:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jun 17 05:56:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1001.869	-0.2	70	0.00
50	S	Toluene-d8	50.000	51.827	-3.7	66	0.00
51	T	4-Methyl-2-Pentanone	250.000	263.816	-5.5	68	0.00
52	CM	Toluene	50.000	51.756	-3.5#	70	0.00
53	T	t-1,3-Dichloropropene	50.000	52.386	-4.8	69	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.799	-3.6	68	0.00
55	T	1,1,2-Trichloroethane	50.000	53.099	-6.2	72	0.00
56	T	Ethyl methacrylate	50.000	53.077	-6.2	69	0.00
57	T	1,3-Dichloropropane	50.000	53.030	-6.1	71	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	298.467	-19.4	80	0.00
59	T	2-Hexanone	250.000	257.533	-3.0	67	0.00
60	T	Dibromochloromethane	50.000	52.685	-5.4	70	0.00
61	T	1,2-Dibromoethane	50.000	54.081	-8.2	72	0.00
62	S	4-Bromofluorobenzene	50.000	49.999	0.0	65	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	68	0.00
64	T	Tetrachloroethene	50.000	60.495	-21.0	81	0.00
65	PM	Chlorobenzene	50.000	52.235	-4.5	71	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.110	-4.2	70	0.00
67	C	Ethyl Benzene	50.000	51.668	-3.3#	69	0.00
68	T	m/p-Xylenes	100.000	104.419	-4.4	71	0.00
69	T	o-Xylene	50.000	51.787	-3.6	70	0.00
70	T	Styrene	50.000	52.478	-5.0	70	0.00
71	P	Bromoform	50.000	52.550	-5.1	71	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	70	0.00
73	T	Isopropylbenzene	50.000	49.592	0.8	69	0.00
74	T	N-amyl acetate	50.000	49.690	0.6	68	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.785	4.4	66	0.00
76	T	1,2,3-Trichloropropane	50.000	44.795	10.4	57	0.00
77	T	Bromobenzene	50.000	50.813	-1.6	71	0.00
78	T	n-propylbenzene	50.000	49.320	1.4	69	0.00
79	T	2-Chlorotoluene	50.000	49.309	1.4	69	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.564	0.9	69	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.511	7.0	66	0.00
82	T	4-Chlorotoluene	50.000	49.849	0.3	69	0.00
83	T	tert-Butylbenzene	50.000	49.473	1.1	69	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.294	1.4	69	0.00
85	T	sec-Butylbenzene	50.000	49.273	1.5	69	0.00
86	T	p-Isopropyltoluene	50.000	49.331	1.3	69	0.00
87	T	1,3-Dichlorobenzene	50.000	51.283	-2.6	73	0.00
88	T	1,4-Dichlorobenzene	50.000	50.264	-0.5	71	0.00
89	T	n-Butylbenzene	50.000	49.325	1.3	68	0.00
90	T	Hexachloroethane	50.000	50.519	-1.0	71	0.00
91	T	1,2-Dichlorobenzene	50.000	51.198	-2.4	71	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	54.027	-8.1	71	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.284	-2.6	72	0.00
94	T	Hexachlorobutadiene	50.000	50.440	-0.9	71	0.00
95	T	Naphthalene	50.000	51.437	-2.9	70	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022710.D
Acq On : 16 Jun 2025 16:55
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Jun 17 05:56:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.592	-1.2	71	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

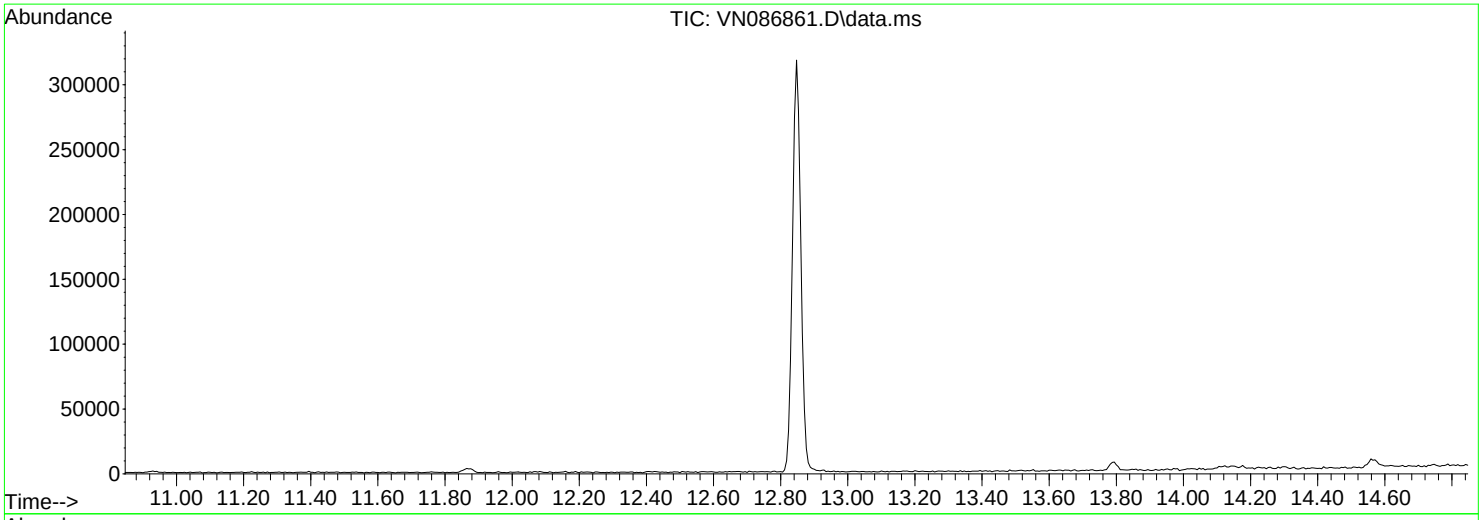
Sample Results: **VN086861.D**

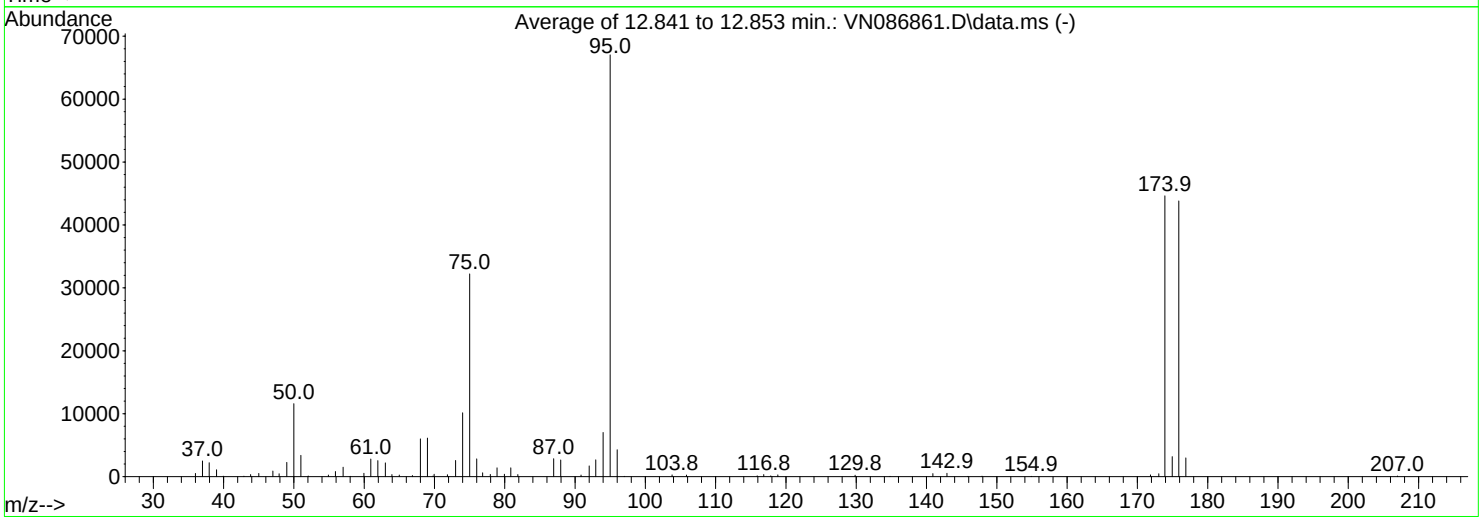
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086861.D
Acq On : 06 Jun 2025 07:59
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Title : SW846 8260
Last Update : Sat Jun 07 02:12:50 2025





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.3	11610	PASS
75	95	30	60	48.1	32235	PASS
95	95	100	100	100.0	67037	PASS
96	95	5	9	6.4	4284	PASS
173	174	0.00	2	1.0	453	PASS
174	95	50	100	66.6	44632	PASS
175	174	5	9	7.1	3184	PASS
176	174	95	101	98.1	43805	PASS
177	176	5	9	6.8	2979	PASS

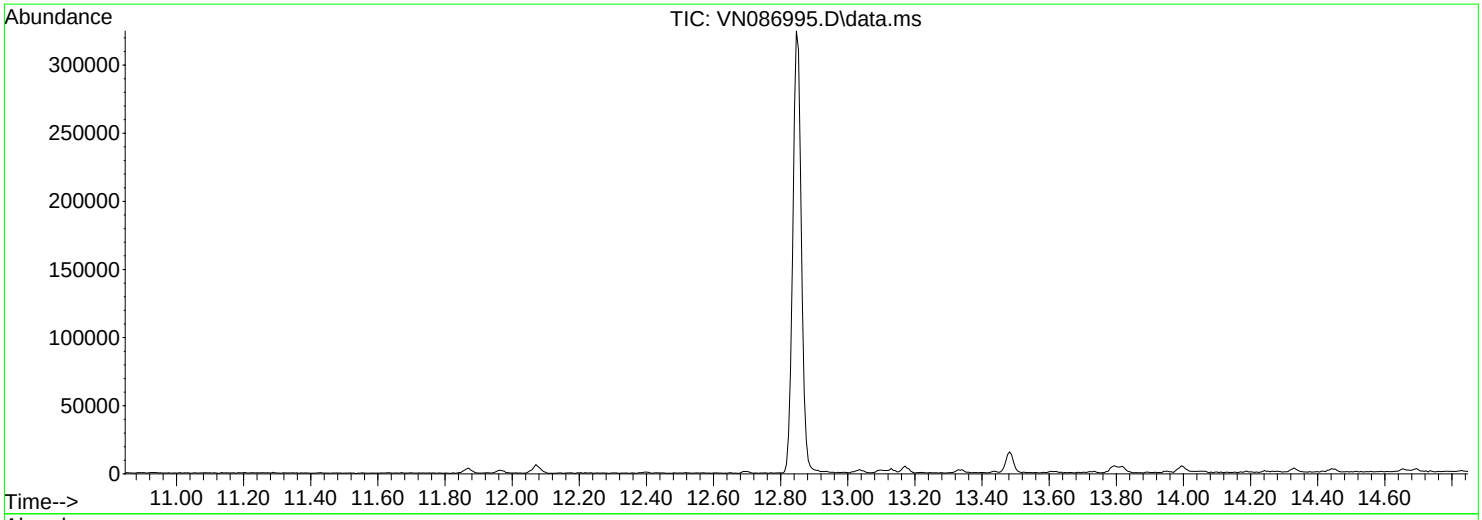
Sample Results: **VN086995.D**

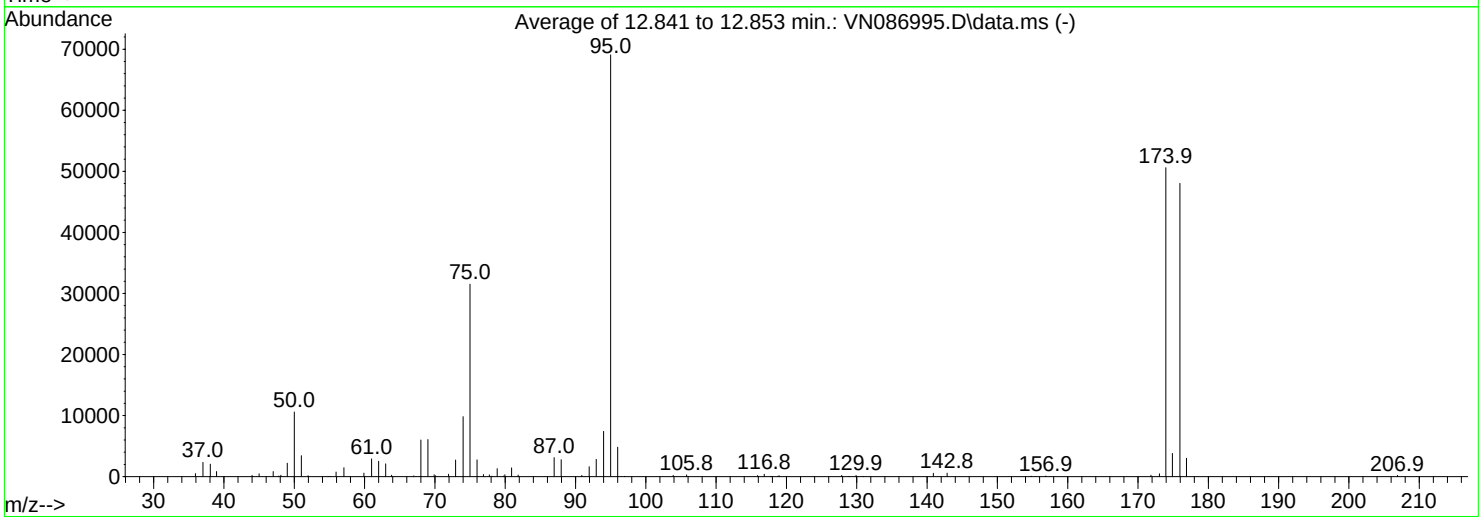
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086995.D
Acq On : 13 Jun 2025 10:26
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Title : SW846 8260
Last Update : Sat Jun 07 02:12:50 2025





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.3	10594	PASS
75	95	30	60	45.6	31528	PASS
95	95	100	100	100.0	69080	PASS
96	95	5	9	7.0	4824	PASS
173	174	0.00	2	0.9	467	PASS
174	95	50	100	73.2	50592	PASS
175	174	5	9	7.5	3797	PASS
176	174	95	101	94.9	48037	PASS
177	176	5	9	6.3	3018	PASS

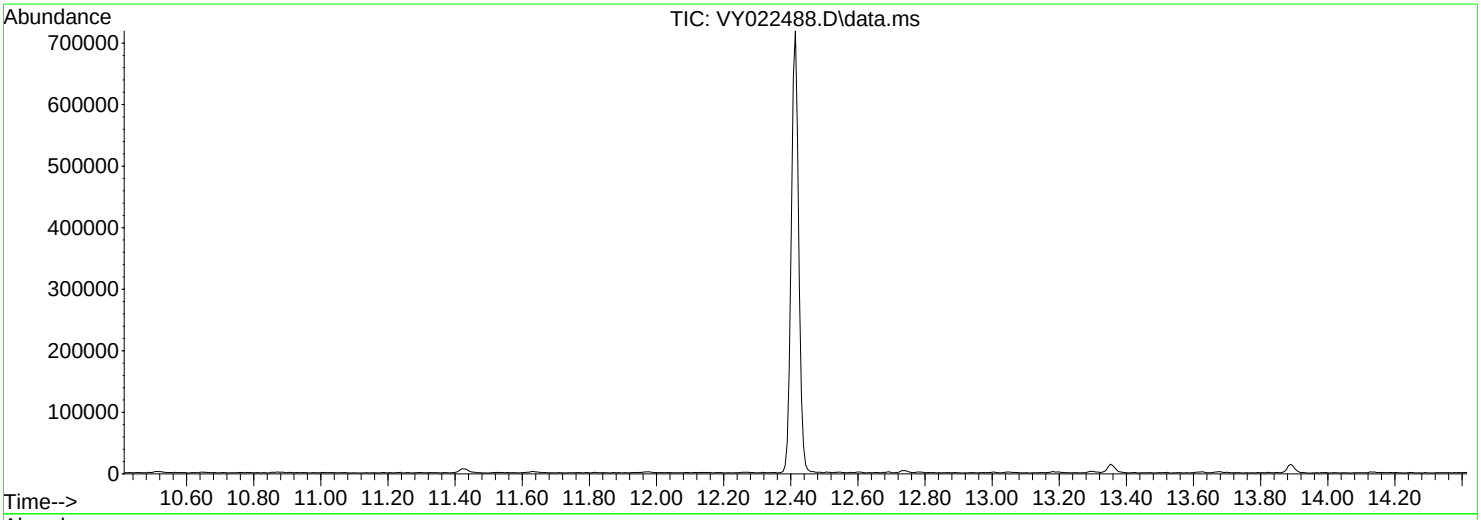
Sample Results: **VY022488.D**

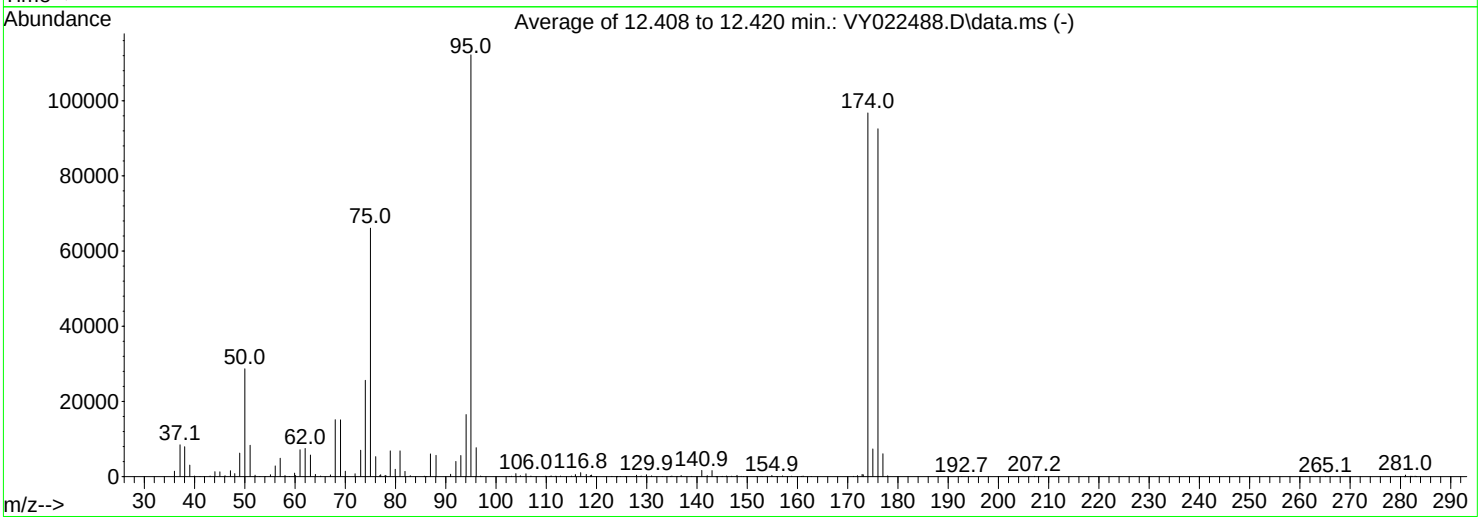
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022488.D
Acq On : 02 Jun 2025 08:31
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Title : SW846 8260
Last Update : Tue Jun 03 03:22:04 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	25.6	28688	PASS
75	95	30	60	58.9	66115	PASS
95	95	100	100	100.0	112208	PASS
96	95	5	9	6.9	7706	PASS
173	174	0.00	2	0.6	591	PASS
174	95	50	100	86.2	96760	PASS
175	174	5	9	7.6	7372	PASS
176	174	95	101	95.6	92520	PASS
177	176	5	9	6.6	6076	PASS

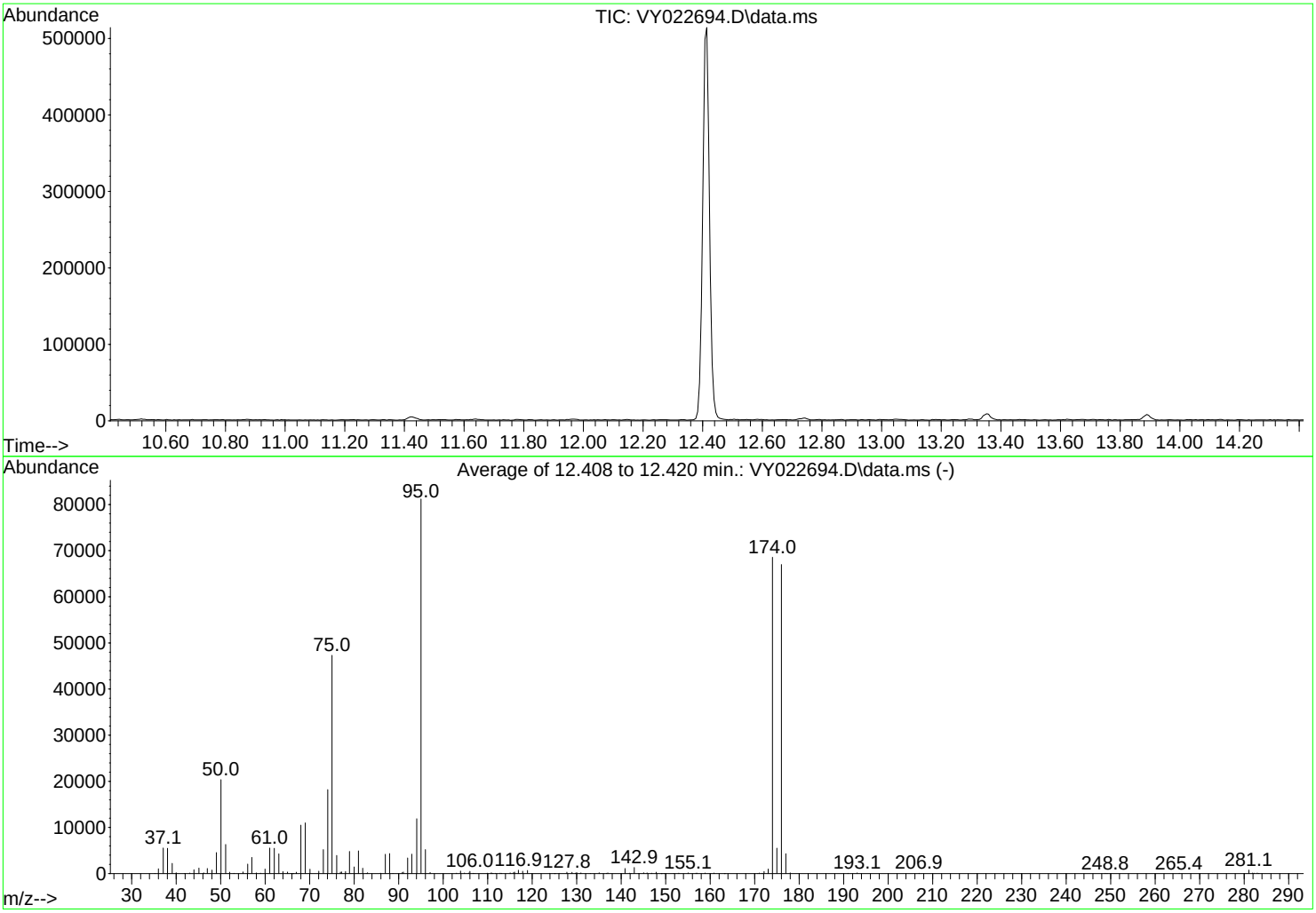
Sample Results: **VY022694.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022694.D
Acq On : 16 Jun 2025 07:59
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\82Y060225S.M
Title : SW846 8260
Last Update : Tue Jun 10 15:26:14 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	25.1	20367	PASS
75	95	30	60	58.3	47301	PASS
95	95	100	100	100.0	81200	PASS
96	95	5	9	6.4	5203	PASS
173	174	0.00	2	1.4	994	PASS
174	95	50	100	84.4	68565	PASS
175	174	5	9	8.0	5518	PASS
176	174	95	101	97.7	66984	PASS
177	176	5	9	6.5	4322	PASS

Raw Data: **VN086998.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VN0613WBL01	SDG No.:	Q2314
Lab Sample ID:	VN0613WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086998.D	1		06/13/25 13:47	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VN0613WBL01	SDG No.:	Q2314
Lab Sample ID:	VN0613WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086998.D	1		06/13/25 13:47	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.9		81 - 118		96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	51.8		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	317000	8.235				
540-36-3	1,4-Difluorobenzene	607000	9.106				
3114-55-4	Chlorobenzene-d5	536000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	258000	13.788				

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_N\Data\VN061325\
Data File : VN086998.D
Acq On : 13 Jun 2025 13:47
Operator : JC\MD
Sample : VN0613WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBL01

Quant Time: Jun 14 00:27:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	317214	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	606954	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	536496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	258118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	203647	47.949	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.900%			
35) Dibromofluoromethane	8.177	113	177333	49.301	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.600%			
50) Toluene-d8	10.570	98	737326	51.781	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.560%			
62) 4-Bromofluorobenzene	12.847	95	261903	49.506	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.020%			

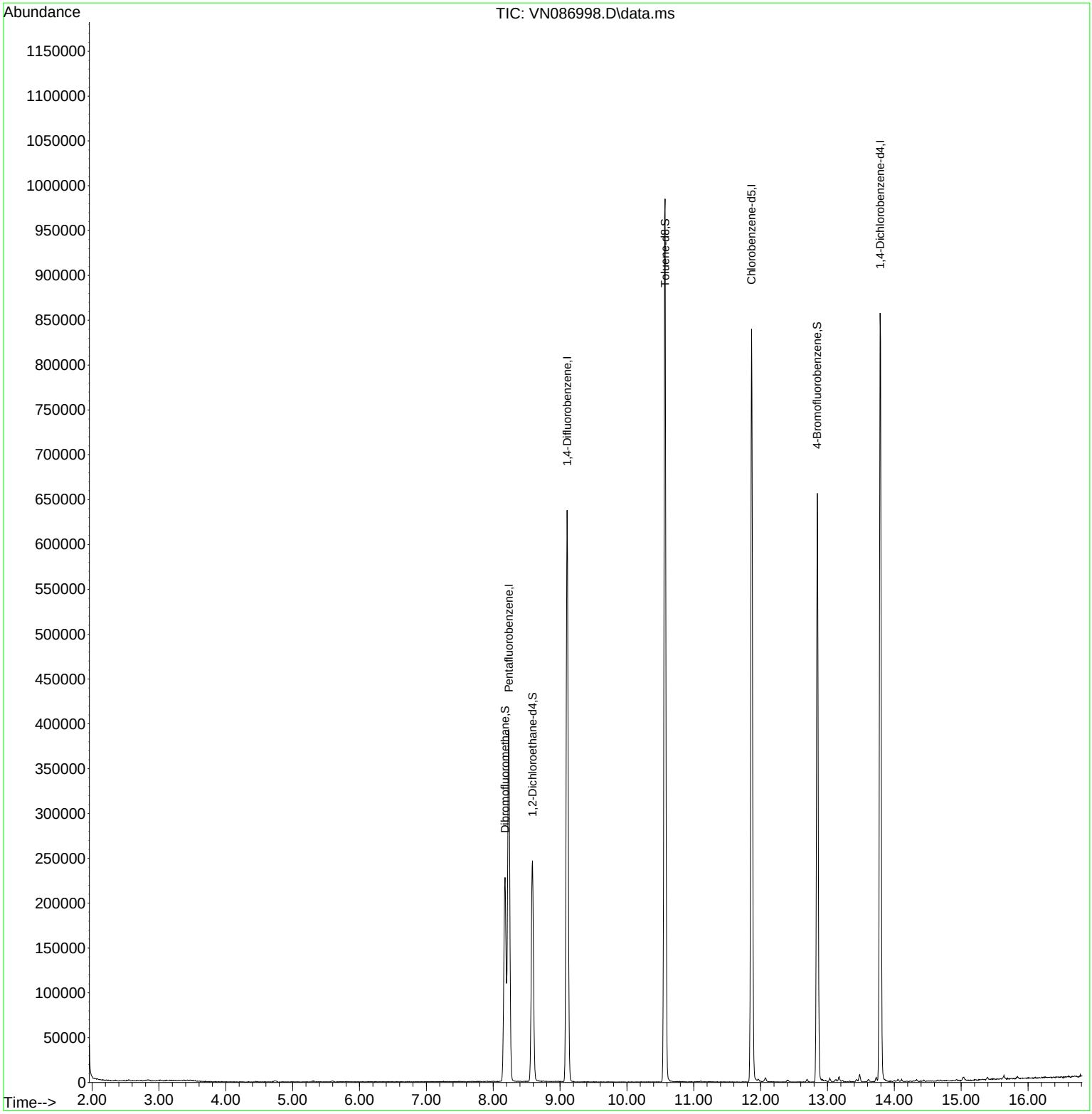
Target Compounds Qvalue

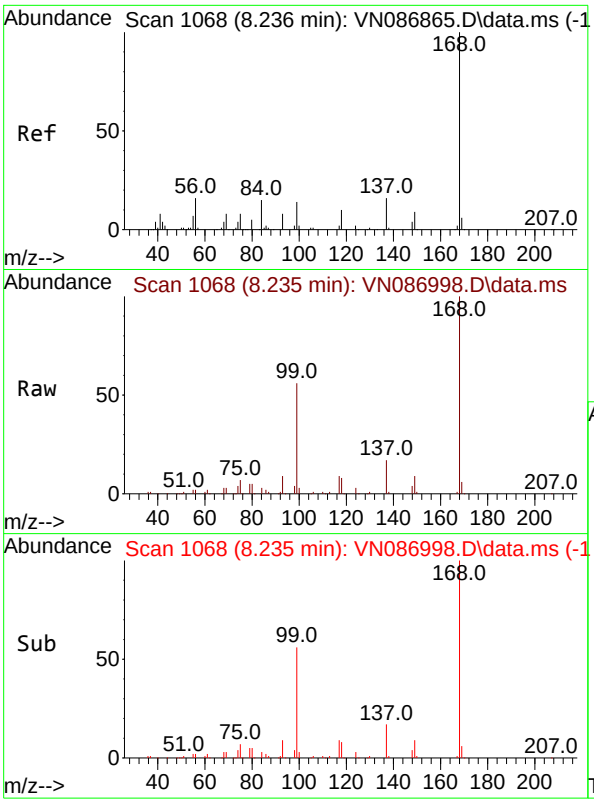
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086998.D
Acq On : 13 Jun 2025 13:47
Operator : JC\MD
Sample : VN0613WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBL01

Quant Time: Jun 14 00:27:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



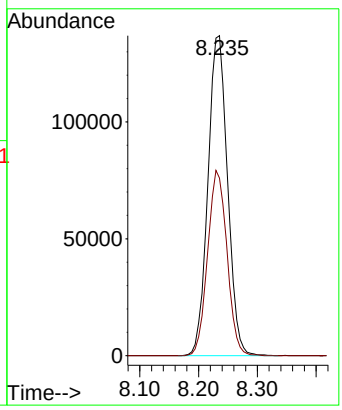


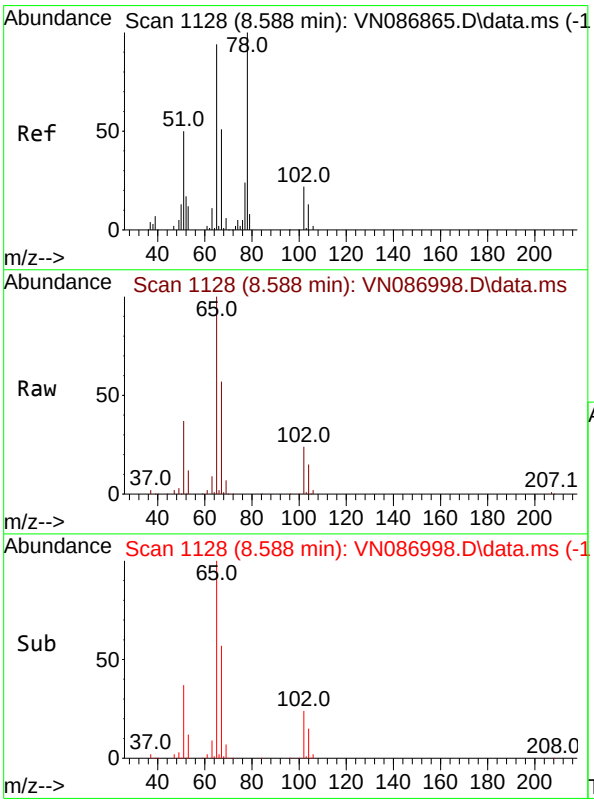
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBL01

Tgt Ion:168 Resp: 317214

Ion	Ratio	Lower	Upper
168	100		
99	55.5	49.1	73.7

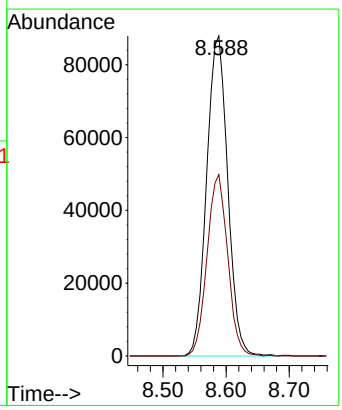


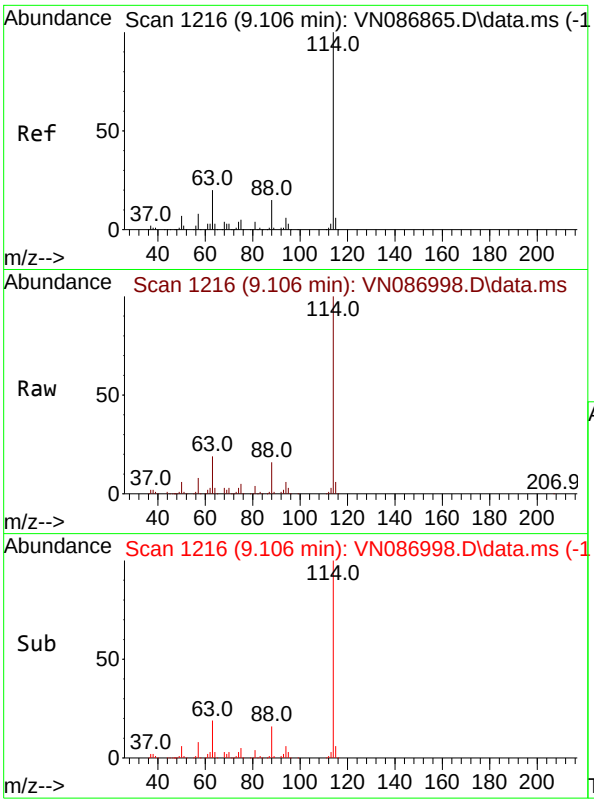


#33
1,2-Dichloroethane-d4
Concen: 47.949 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

Tgt Ion: 65 Resp: 203647

Ion	Ratio	Lower	Upper
65	100		
67	55.5	0.0	105.6



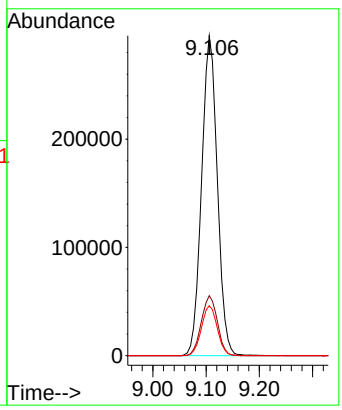


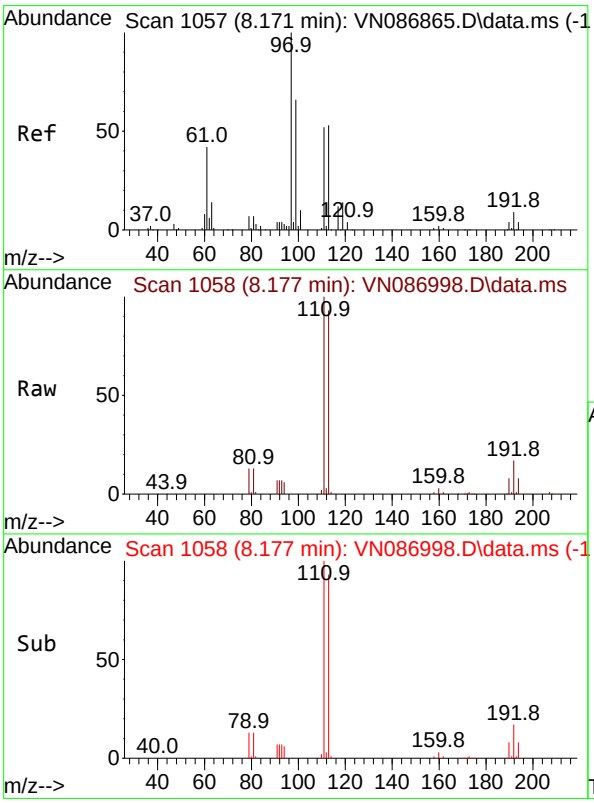
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBL01

Tgt Ion:114 Resp: 606954

Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	39.6
88	15.6	0.0	30.2

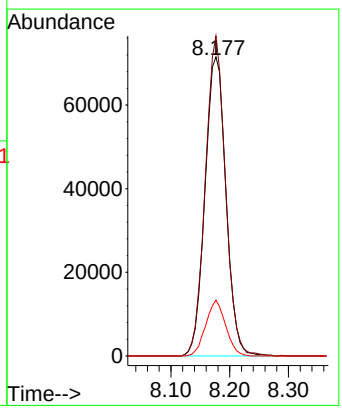


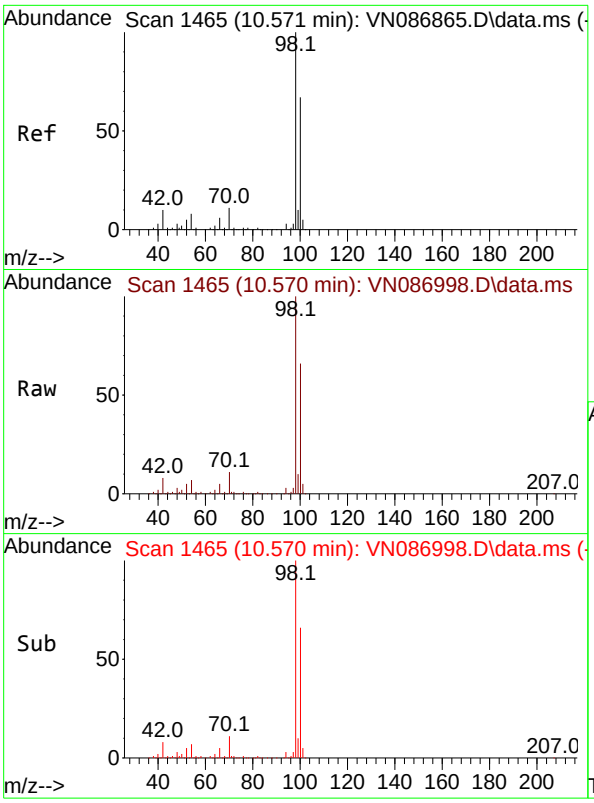


#35
Dibromofluoromethane
Concen: 49.301 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

Tgt Ion:113 Resp: 177333

Ion	Ratio	Lower	Upper
113	100		
111	102.9	84.2	126.2
192	17.7	14.2	21.4



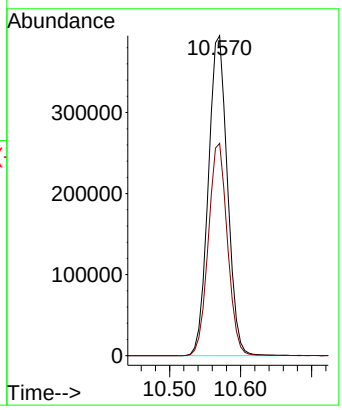


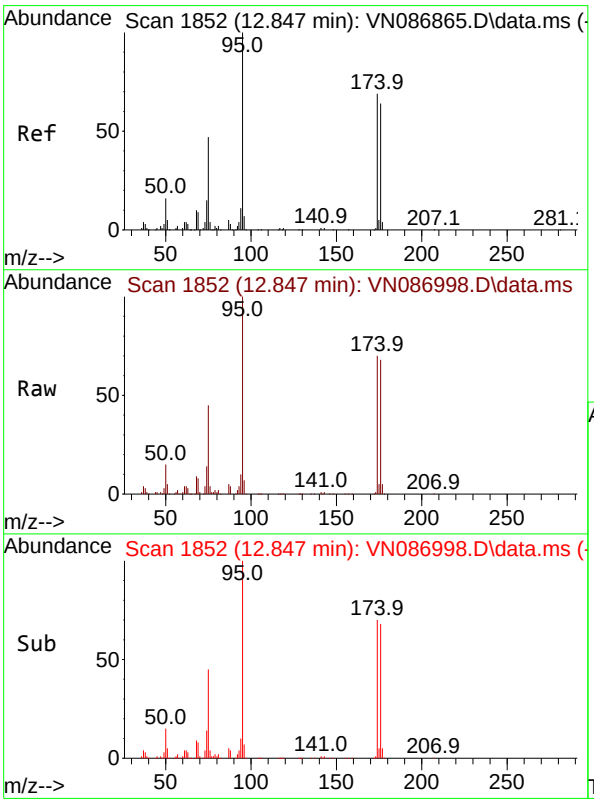
#50
Toluene-d8
Concen: 51.781 ug/l
RT: 10.570 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBL01

Tgt Ion: 98 Resp: 737326

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.4	80.0

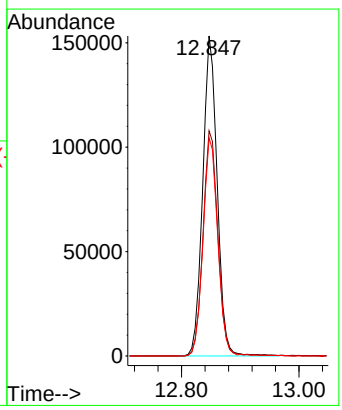


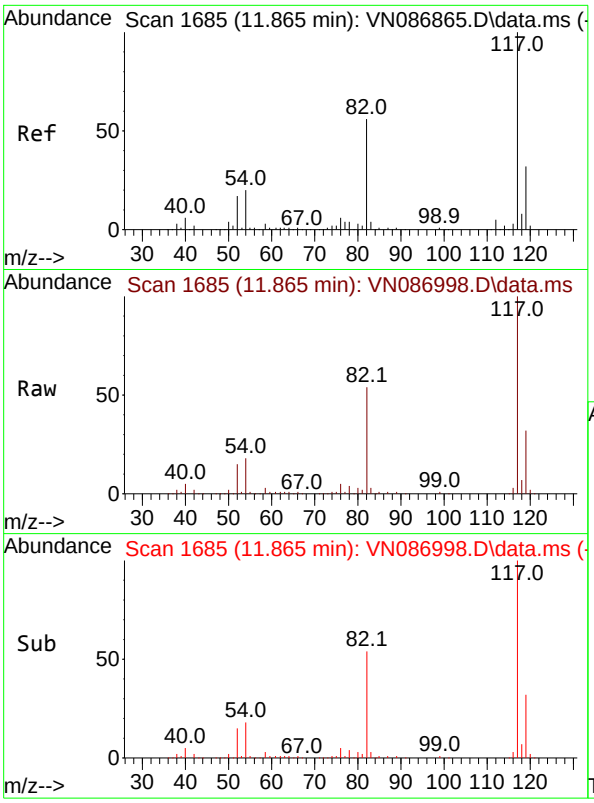


#62
4-Bromofluorobenzene
Concen: 49.506 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

Tgt Ion: 95 Resp: 261903

Ion	Ratio	Lower	Upper
95	100		
174	72.4	0.0	141.8
176	69.3	0.0	132.6



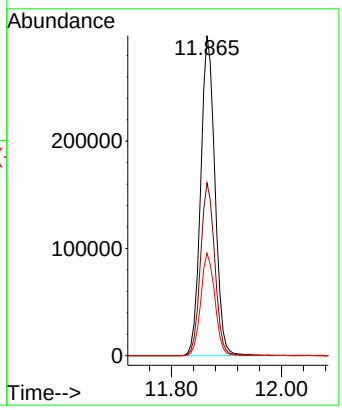


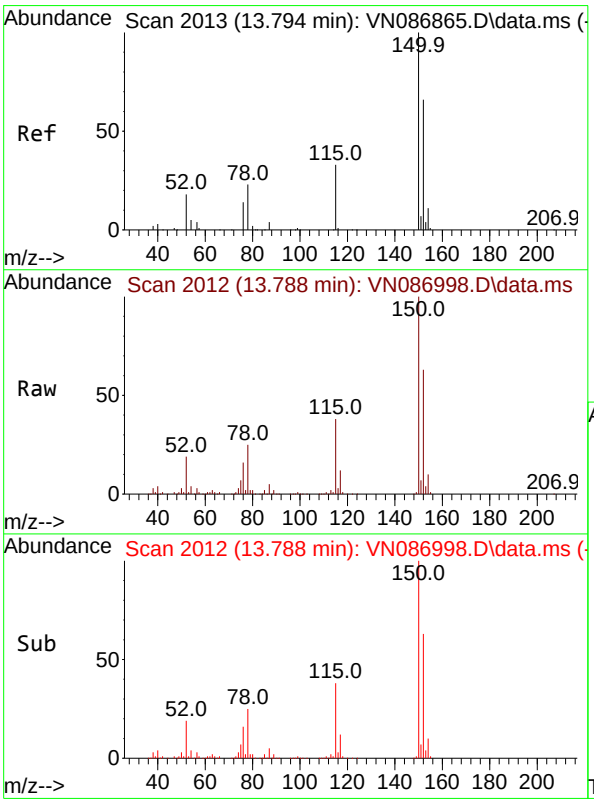
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBL01

Tgt Ion:117 Resp: 536496

Ion	Ratio	Lower	Upper
117	100		
82	54.0	44.6	67.0
119	32.0	25.5	38.3

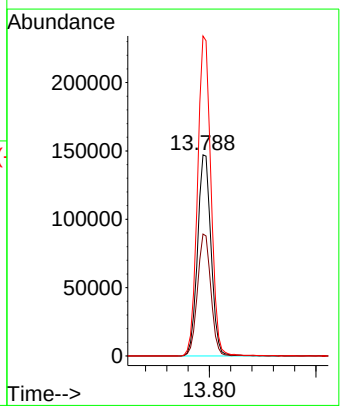




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086998.D
Acq: 13 Jun 2025 13:47

Tgt Ion:152 Resp: 258118

Ion	Ratio	Lower	Upper
152	100		
115	60.0	30.1	90.5
150	157.8	0.0	345.0



Sample Results: **VN086998.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086998.D
Acq On : 13 Jun 2025 13:47
Operator : JC\MD
Sample : VN0613WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBL01

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_N\methods\82N060625W.M
Title : SW846 8260

Signal : TIC: VN086998.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.177	1047	1058	1062	rBV	227410	541411	29.31%	5.832%
2	8.229	1062	1067	1082	rVB	390900	900893	48.77%	9.704%
3	8.588	1118	1128	1140	rBV	246205	570264	30.87%	6.142%
4	9.106	1206	1216	1231	rBV	637385	1313866	71.12%	14.152%
5	10.570	1454	1465	1478	rBV	984884	1847385	100.00%	19.899%
6	11.865	1677	1685	1699	rBV	839818	1519496	82.25%	16.367%
7	12.847	1844	1852	1862	rBV	656369	1117102	60.47%	12.033%
8	13.788	2005	2012	2023	rBV	855638	1473543	79.76%	15.872%

Sum of corrected areas: 9283960

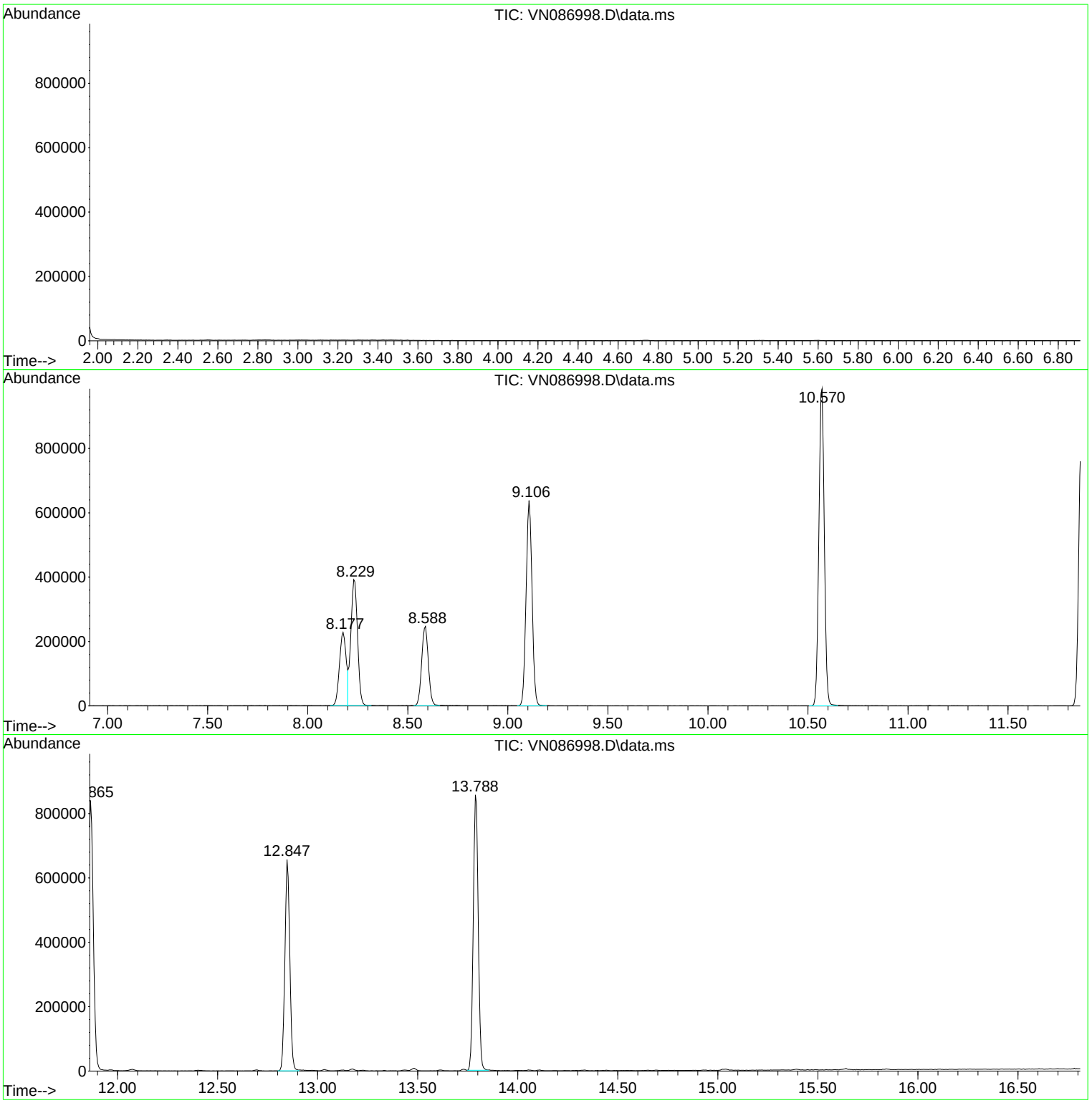
Sample Results: **VN086998.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086998.D
Acq On : 13 Jun 2025 13:47
Operator : JC\MD
Sample : VN0613WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VN086998.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086998.D
Acq On : 13 Jun 2025 13:47
Operator : JC\MD
Sample : VN0613WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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_N\Data\VN061325\
Data File : VN086998.D
Acq On : 13 Jun 2025 13:47
Operator : JC\MD
Sample : VN0613WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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: **VY022696.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VY0616SBL01	SDG No.:	Q2314
Lab Sample ID:	VY0616SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022696.D	1		06/16/25 09:40	VY061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
74-87-3	Chloromethane	2.50	U	1.10	2.50	5.00	ug/Kg
75-01-4	Vinyl Chloride	2.50	U	0.79	2.50	5.00	ug/Kg
74-83-9	Bromomethane	4.00	U	1.10	4.00	5.00	ug/Kg
75-00-3	Chloroethane	2.50	U	1.30	2.50	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	4.00	U	1.20	4.00	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	U	1.10	2.50	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	2.50	U	1.00	2.50	5.00	ug/Kg
67-64-1	Acetone	20.0	U	4.70	20.0	25.0	ug/Kg
75-15-0	Carbon Disulfide	4.00	U	1.10	4.00	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.50	U	0.73	2.50	5.00	ug/Kg
75-09-2	Methylene Chloride	8.00	U	3.50	8.00	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.50	U	0.86	2.50	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	2.50	U	0.80	2.50	5.00	ug/Kg
78-93-3	2-Butanone	20.0	U	6.50	20.0	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	2.50	U	0.97	2.50	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.50	U	0.75	2.50	5.00	ug/Kg
67-66-3	Chloroform	4.00	U	0.84	4.00	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.50	U	0.93	2.50	5.00	ug/Kg
108-87-2	Methylcyclohexane	2.50	U	0.91	2.50	5.00	ug/Kg
71-43-2	Benzene	2.50	U	0.79	2.50	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	2.50	U	0.79	2.50	5.00	ug/Kg
79-01-6	Trichloroethene	2.50	U	0.81	2.50	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	2.50	U	0.91	2.50	5.00	ug/Kg
75-27-4	Bromodichloromethane	2.50	U	0.78	2.50	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	12.5	U	3.60	12.5	25.0	ug/Kg
108-88-3	Toluene	2.50	U	0.78	2.50	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.50	U	0.65	2.50	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.50	U	0.62	2.50	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.50	U	0.92	2.50	5.00	ug/Kg
591-78-6	2-Hexanone	12.5	U	3.70	12.5	25.0	ug/Kg

Raw Data: **VY022696.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VY0616SBL01	SDG No.:	Q2314
Lab Sample ID:	VY0616SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022696.D	1		06/16/25 09:40	VY061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
124-48-1	Dibromochloromethane	2.50	U	0.87	2.50	5.00	ug/Kg
127-18-4	Tetrachloroethene	2.50	U	1.10	2.50	5.00	ug/Kg
108-90-7	Chlorobenzene	2.50	U	0.91	2.50	5.00	ug/Kg
100-41-4	Ethyl Benzene	2.50	U	0.67	2.50	5.00	ug/Kg
179601-23-1	m/p-Xylenes	5.00	U	1.20	5.00	10.0	ug/Kg
95-47-6	o-Xylene	2.50	U	0.82	2.50	5.00	ug/Kg
100-42-5	Styrene	2.50	U	0.71	2.50	5.00	ug/Kg
75-25-2	Bromoform	2.50	U	0.86	2.50	5.00	ug/Kg
98-82-8	Isopropylbenzene	2.50	U	0.78	2.50	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.50	U	1.20	2.50	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.50	U	1.70	2.50	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.50	U	1.60	2.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.50	U	1.50	2.50	5.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.8		71 - 136		98%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		78 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	49.1		85 - 116		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		79 - 119		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	118000	7.713				
540-36-3	1,4-Difluorobenzene	219000	8.616				
3114-55-4	Chlorobenzene-d5	175000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	63100	13.346				

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\VY061625\
Data File : VY022696.D
Acq On : 16 Jun 2025 09:40
Operator : SY/MD
Sample : VY0616SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBL01

Quant Time: Jun 17 05:50:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	118205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	219441	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	175112	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	63063	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	64514	48.798	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.600%			
35) Dibromofluoromethane	7.640	113	67058	51.197	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.400%			
50) Toluene-d8	10.109	98	260050	49.136	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.280%			
62) 4-Bromofluorobenzene	12.408	95	77119	48.906	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.820%			

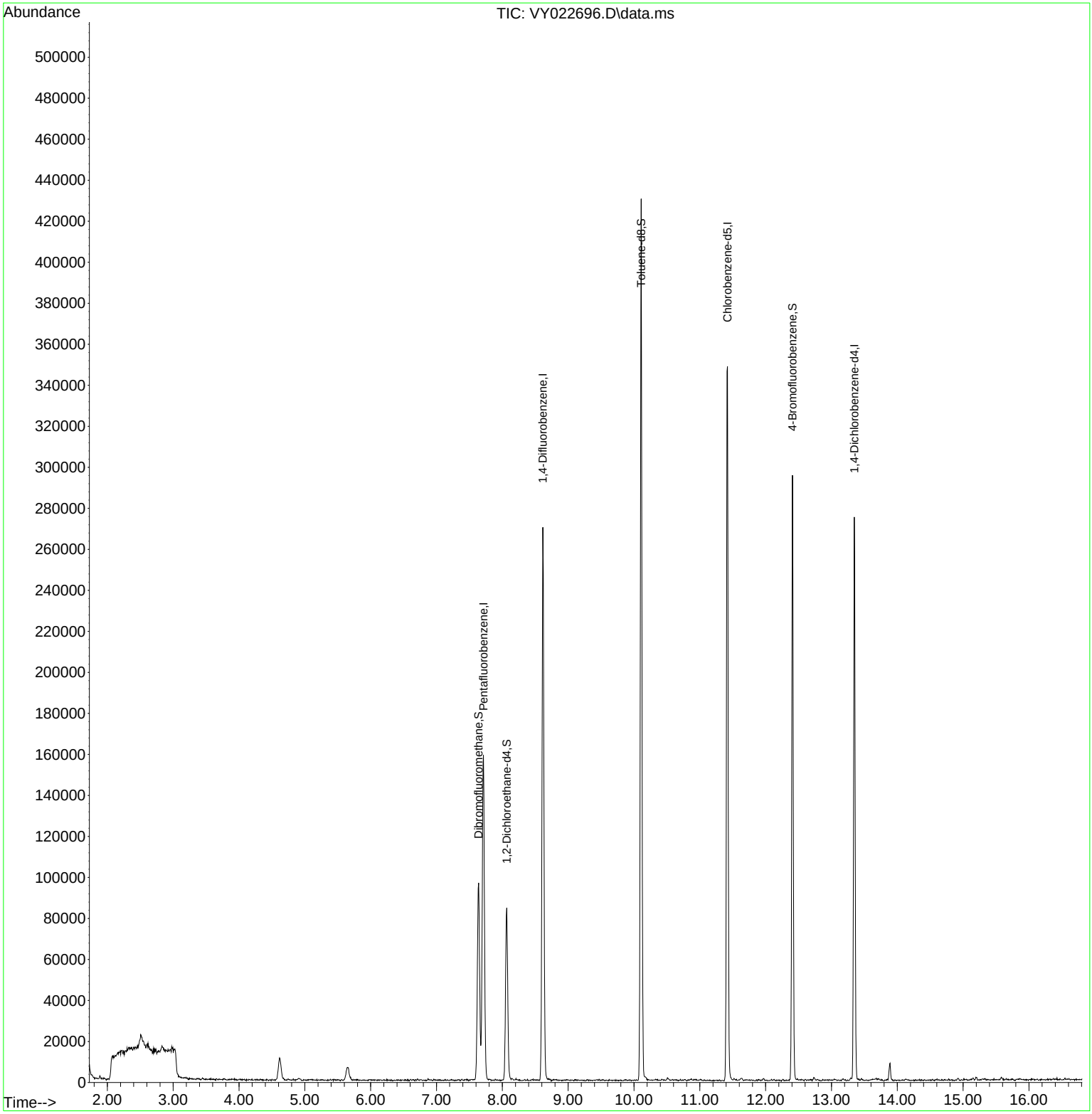
Target Compounds Qvalue

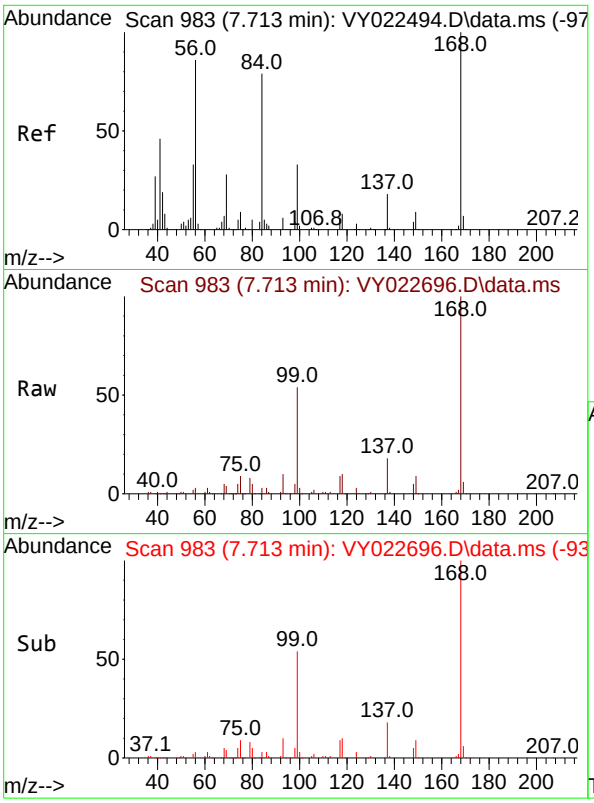
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022696.D
Acq On : 16 Jun 2025 09:40
Operator : SY/MD
Sample : VY0616SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBL01

Quant Time: Jun 17 05:50:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration



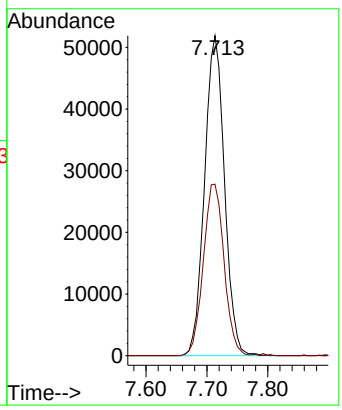


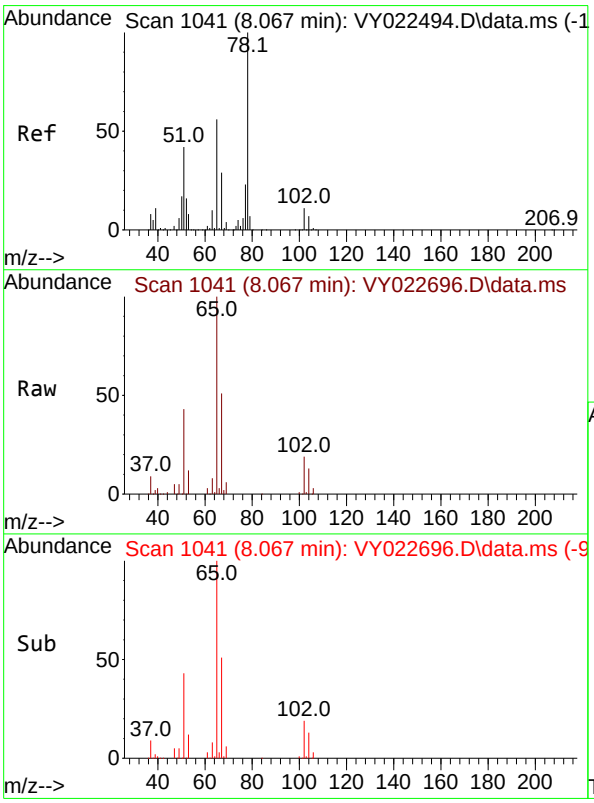
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022696.D
Acq: 16 Jun 2025 09:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBL01

Tgt Ion:168 Resp: 118205

Ion	Ratio	Lower	Upper
168	100		
99	53.6	44.3	66.5

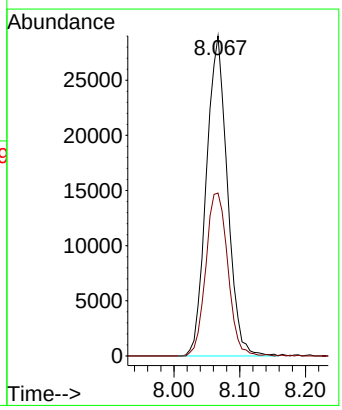


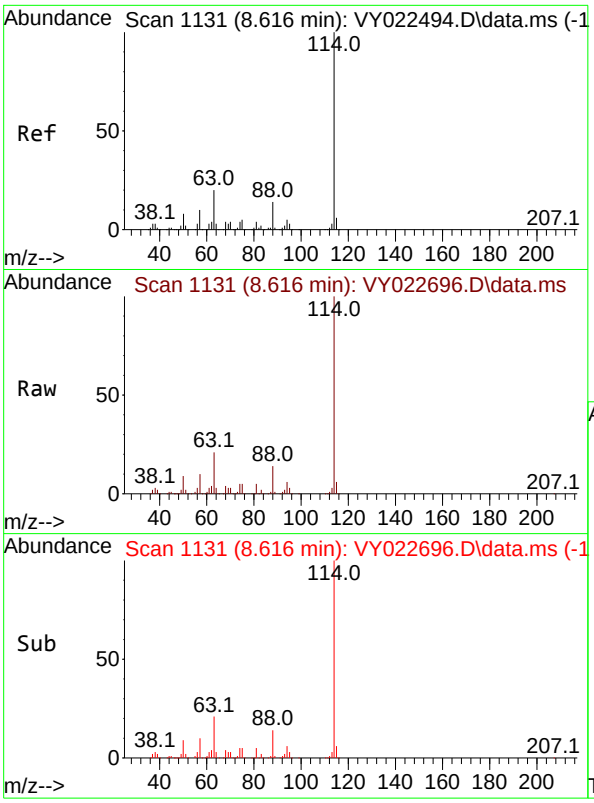


#33
1,2-Dichloroethane-d4
Concen: 48.798 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022696.D
Acq: 16 Jun 2025 09:40

Tgt Ion: 65 Resp: 64514

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	103.4



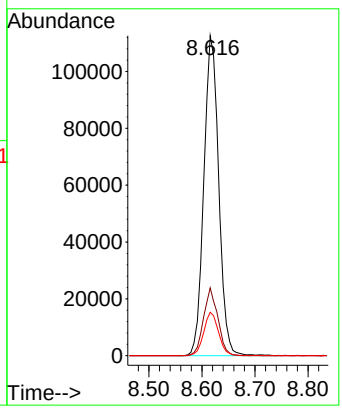


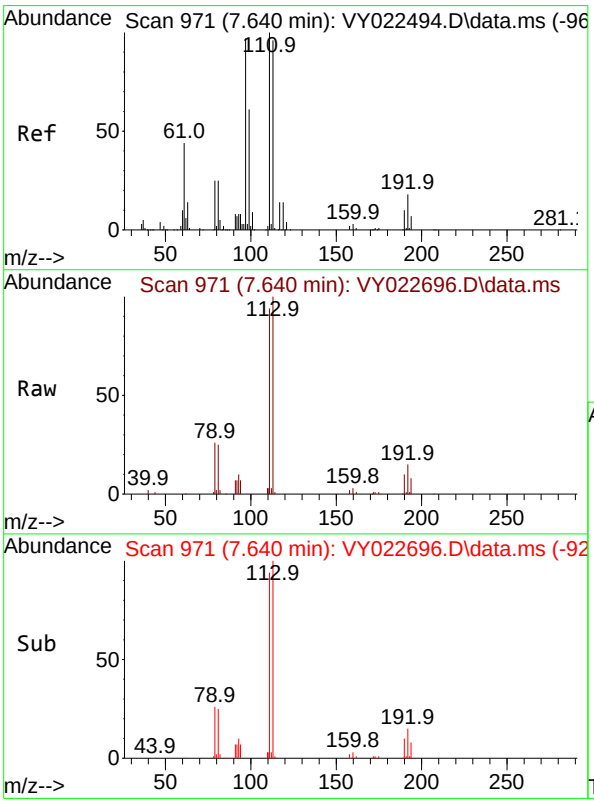
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022696.D
Acq: 16 Jun 2025 09:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBL01

Tgt Ion:114 Resp: 219441

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	40.8
88	13.6	0.0	27.8

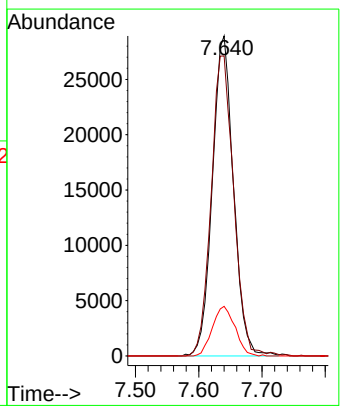


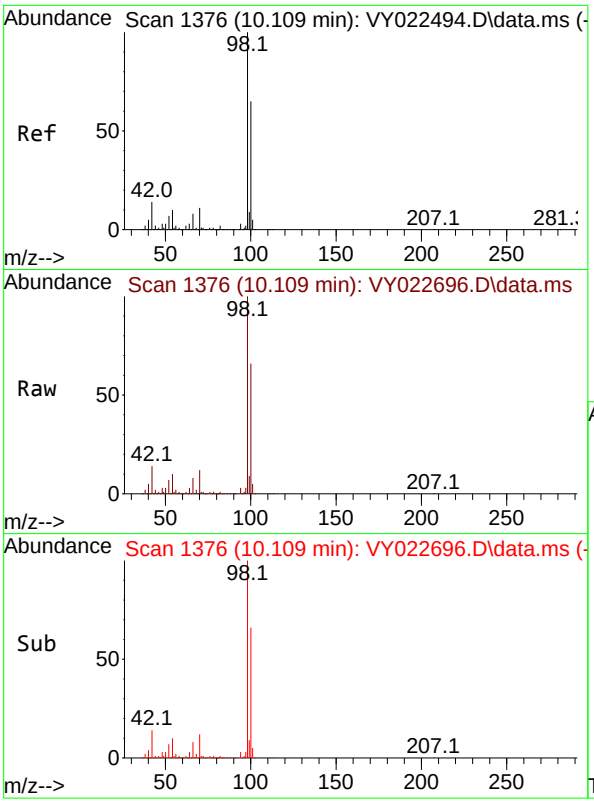


#35
Dibromofluoromethane
Concen: 51.197 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022696.D
Acq: 16 Jun 2025 09:40

Tgt Ion:113 Resp: 67058

Ion	Ratio	Lower	Upper
113	100		
111	100.2	81.1	121.7
192	16.6	14.2	21.2



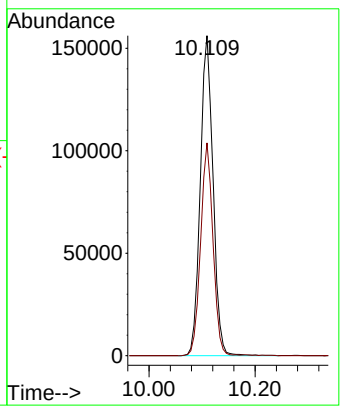


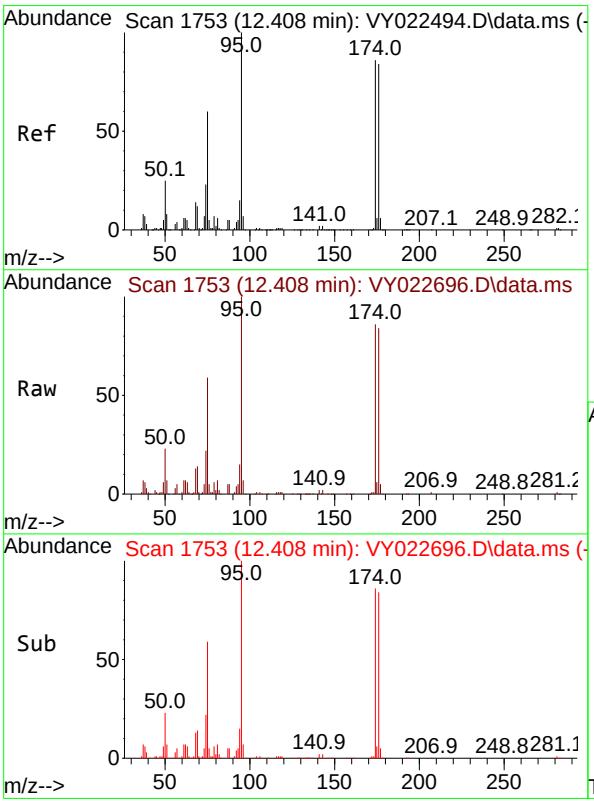
#50
Toluene-d8
Concen: 49.136 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022696.D
Acq: 16 Jun 2025 09:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBL01

Tgt Ion: 98 Resp: 260050

Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.4	77.0

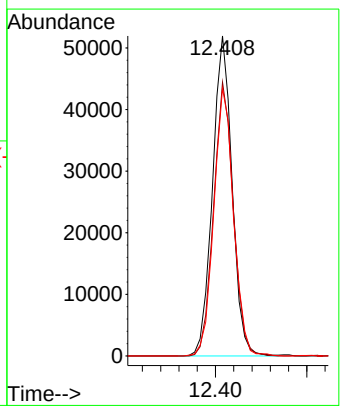


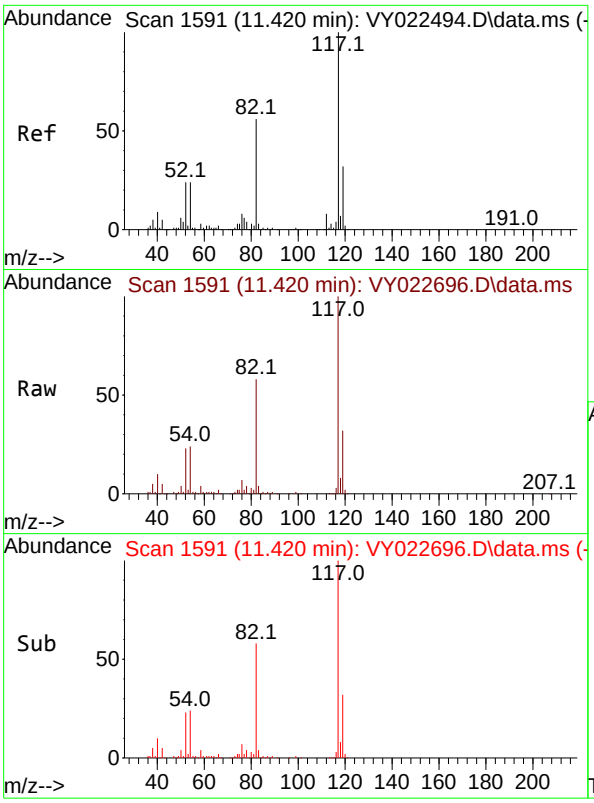


#62
4-Bromofluorobenzene
Concen: 48.906 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022696.D
Acq: 16 Jun 2025 09:40

Tgt Ion: 95 Resp: 77119

Ion	Ratio	Lower	Upper
95	100		
174	86.2	0.0	170.0
176	84.4	0.0	166.2



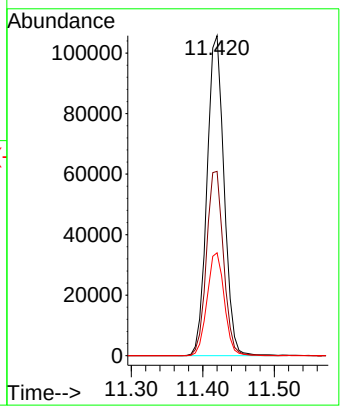


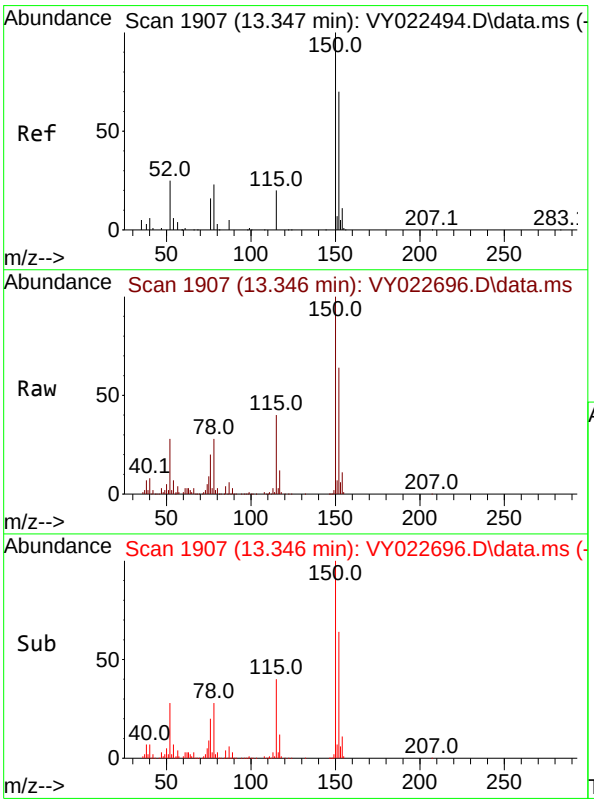
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022696.D
Acq: 16 Jun 2025 09:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBL01

Tgt Ion:117 Resp: 175112

Ion	Ratio	Lower	Upper
117	100		
82	57.6	44.6	66.8
119	32.2	25.4	38.0

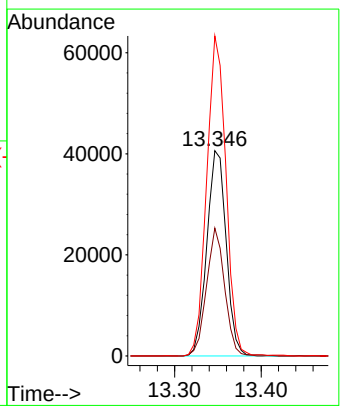




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022696.D
Acq: 16 Jun 2025 09:40

Tgt Ion:152 Resp: 63063

Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.9	86.7
150	155.2	0.0	349.6



Sample Results: **VY022696.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022696.D
Acq On : 16 Jun 2025 09:40
Operator : SY/MD
Sample : VY0616SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBL01

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\82Y060225S.M
Title : SW846 8260

Signal : TIC: VY022696.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.080	50	59	60	rBV4	11654	25709	3.60%	0.716%
2	4.616	464	475	484	rBV3	11063	34065	4.78%	0.949%
3	5.647	636	644	656	rVB4	6392	21861	3.07%	0.609%
4	7.640	961	971	976	rBV	95954	226013	31.69%	6.294%
5	7.713	976	983	995	rVB	158409	370158	51.90%	10.309%
6	8.067	1032	1041	1052	rBV	83898	192237	26.95%	5.354%
7	8.616	1123	1131	1142	rBV	269745	528232	74.06%	14.711%
8	10.109	1368	1376	1392	rVB	429952	713220	100.00%	19.863%
9	11.420	1582	1591	1605	rBV	348507	590901	82.85%	16.457%
10	12.408	1745	1753	1763	rBV	295181	453408	63.57%	12.627%
11	13.346	1900	1907	1916	rVB	274333	421219	59.06%	11.731%
12	13.889	1991	1996	2002	rVB	8352	13630	1.91%	0.380%

Sum of corrected areas: 3590653

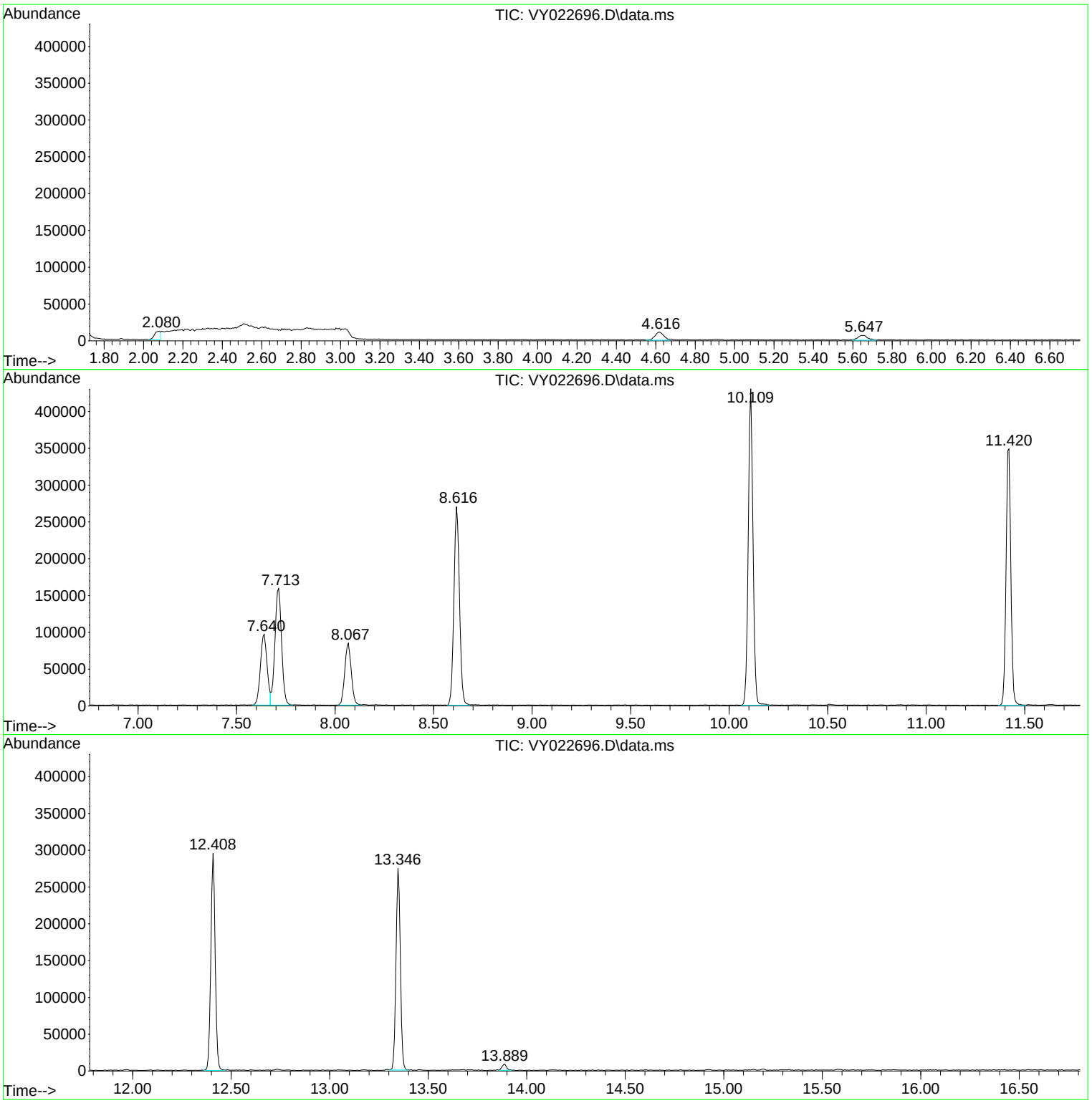
Sample Results: **VY022696.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022696.D
Acq On : 16 Jun 2025 09:40
Operator : SY/MD
Sample : VY0616SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY022696.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022696.D
Acq On : 16 Jun 2025 09:40
Operator : SY/MD
Sample : VY0616SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.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\VY061625\
Data File : VY022696.D
Acq On : 16 Jun 2025 09:40
Operator : SY/MD
Sample : VY0616SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.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: **VN087000.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VN0613WBS01	SDG No.:	Q2314
Lab Sample ID:	VN0613WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087000.D	1		06/13/25 14:32	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	18.6		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	22.4		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	18.5		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	21.8		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	21.6		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.1		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	22.2		0.23	0.75	1.00	ug/L
67-64-1	Acetone	86.7		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	23.4		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.1		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	20.4		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	21.4		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.5		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	91.2		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	21.4		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	21.5		0.19	0.75	1.00	ug/L
67-66-3	Chloroform	20.5		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.3		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	19.2		0.16	0.50	1.00	ug/L
71-43-2	Benzene	21.5		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.1		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	21.9		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.9		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	21.4		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	99.2		0.68	2.50	5.00	ug/L
108-88-3	Toluene	21.8		0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	21.1		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.3		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.3		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	89.7		0.89	2.50	5.00	ug/L

Raw Data: **VN087000.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VN0613WBS01	SDG No.:	Q2314
Lab Sample ID:	VN0613WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087000.D	1		06/13/25 14:32	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	21.9		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	21.7		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	21.7		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	21.3		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	43.9		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	22.0		0.12	0.50	1.00	ug/L
100-42-5	Styrene	21.6		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	22.7		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	20.3		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.0		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.2		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	21.3		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.7		0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.5		81 - 118		93%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	48.5		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	194000	8.23				
540-36-3	1,4-Difluorobenzene	343000	9.106				
3114-55-4	Chlorobenzene-d5	298000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	151000	13.788				

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_N\Data\VN061325\
Data File : VN087000.D
Acq On : 13 Jun 2025 14:32
Operator : JC\MD
Sample : VN0613WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 14 00:27:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	193820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	342767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	297937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	150656	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	120719	46.519	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.040%			
35) Dibromofluoromethane	8.177	113	104273	51.333	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.660%			
50) Toluene-d8	10.571	98	390057	48.506	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.020%			
62) 4-Bromofluorobenzene	12.847	95	148021	49.545	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	41501	21.475	ug/l	97
3) Chloromethane	2.401	50	46368	18.581	ug/l	100
4) Vinyl Chloride	2.553	62	57688	22.410	ug/l	97
5) Bromomethane	3.000	94	26677	18.519	ug/l	99
6) Chloroethane	3.159	64	36269	21.812	ug/l	97
7) Trichlorofluoromethane	3.530	101	72691	21.613	ug/l	97
8) Diethyl Ether	3.983	74	30759	20.990	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.400	101	44545	21.081	ug/l	98
10) Methyl Iodide	4.618	142	23587	8.611	ug/l	98
11) Tert butyl alcohol	5.541	59	64325	91.353	ug/l	100
12) 1,1-Dichloroethene	4.365	96	47822	22.168	ug/l	89
13) Acrolein	4.200	56	35766	160.469	ug/l	100
14) Allyl chloride	5.047	41	68500	19.146	ug/l	97
15) Acrylonitrile	5.741	53	161726	98.265	ug/l	99
16) Acetone	4.447	43	119345	86.723	ug/l	94
17) Carbon Disulfide	4.742	76	139889	23.443	ug/l	99
18) Methyl Acetate	5.047	43	64994	16.206	ug/l	98
19) Methyl tert-butyl Ether	5.818	73	157327	20.142	ug/l	98
20) Methylene Chloride	5.294	84	52509	20.381	ug/l	96
21) trans-1,2-Dichloroethene	5.818	96	51262	21.358	ug/l	88
22) Diisopropyl ether	6.688	45	149851	19.870	ug/l	97
23) Vinyl Acetate	6.618	43	658350	103.323	ug/l	97
24) 1,1-Dichloroethane	6.588	63	89124	20.535	ug/l	98
25) 2-Butanone	7.494	43	204093	91.238	ug/l	96
26) 2,2-Dichloropropane	7.506	77	75997	22.511	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	61840	21.544	ug/l	96
28) Bromochloromethane	7.830	49	46335	21.714	ug/l	93
29) Tetrahydrofuran	7.853	42	136050	93.364	ug/l	95
30) Chloroform	7.977	83	88860	20.502	ug/l	99
31) Cyclohexane	8.265	56	83030	19.727	ug/l	97
32) 1,1,1-Trichloroethane	8.182	97	74968	20.337	ug/l	97
36) 1,1-Dichloropropene	8.382	75	66350	21.920	ug/l	100
37) Ethyl Acetate	7.571	43	76639	19.890	ug/l	98
38) Carbon Tetrachloride	8.371	117	63596	21.401	ug/l	98
39) Methylcyclohexane	9.606	83	79523	19.176	ug/l	96
40) Benzene	8.618	78	212565	21.476	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087000.D
Acq On : 13 Jun 2025 14:32
Operator : JC\MD
Sample : VN0613WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 14 00:27:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	42730	19.746	ug/l		96
42) 1,2-Dichloroethane	8.677	62	63301	21.085	ug/l		98
43) Isopropyl Acetate	8.694	43	119151	19.266	ug/l		97
44) Trichloroethene	9.359	130	51301	21.858	ug/l		95
45) 1,2-Dichloropropane	9.629	63	50395	20.928	ug/l		100
46) Dibromomethane	9.712	93	35265	22.048	ug/l		99
47) Bromodichloromethane	9.894	83	70308	21.365	ug/l		96
48) Methyl methacrylate	9.682	41	54185	19.036	ug/l		96
49) 1,4-Dioxane	9.706	88	21540	415.962	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.447	43	369197	99.165	ug/l		99
52) Toluene	10.629	92	131650	21.764	ug/l		99
53) t-1,3-Dichloropropene	10.841	75	77555	21.076	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	83996	21.333	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	49569	21.297	ug/l		98
56) Ethyl methacrylate	10.882	69	77585	20.928	ug/l		95
57) 1,3-Dichloropropane	11.165	76	85360	21.141	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.165	63	209528	94.760	ug/l		98
59) 2-Hexanone	11.206	43	215181	89.728	ug/l		93
60) Dibromochloromethane	11.359	129	53055	21.878	ug/l		99
61) 1,2-Dibromoethane	11.470	107	51474	21.576	ug/l		100
64) Tetrachloroethene	11.106	164	41009	21.749	ug/l		96
65) Chlorobenzene	11.894	112	142528	21.690	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	47110	22.303	ug/l		97
67) Ethyl Benzene	11.965	91	241208	21.311	ug/l		98
68) m/p-Xylenes	12.070	106	190243	43.908	ug/l		98
69) o-Xylene	12.400	106	91163	21.969	ug/l		96
70) Styrene	12.412	104	153392	21.602	ug/l		100
71) Bromoform	12.582	173	35468	22.662	ug/l	#	99
73) Isopropylbenzene	12.694	105	223178	20.334	ug/l		100
74) N-amyl acetate	12.529	43	58468	15.245	ug/l	#	91
75) 1,1,2,2-Tetrachloroethane	12.935	83	78224	21.038	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	67561m	18.866	ug/l		
77) Bromobenzene	12.982	156	54231	21.546	ug/l		96
78) n-propylbenzene	13.035	91	266686	19.994	ug/l		99
79) 2-Chlorotoluene	13.123	91	165392	20.677	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	183973	20.303	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.741	75	30824	19.814	ug/l		93
82) 4-Chlorotoluene	13.217	91	169312	20.919	ug/l		99
83) tert-Butylbenzene	13.435	119	161431	19.462	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	186915	20.570	ug/l		99
85) sec-Butylbenzene	13.612	105	228099	18.936	ug/l		100
86) p-Isopropyltoluene	13.729	119	188601	18.941	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	104746	21.151	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	107411	21.274	ug/l		99
89) n-Butylbenzene	14.053	91	173997	18.041	ug/l		99
90) Hexachloroethane	14.329	117	33086	19.603	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	98273	20.655	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	17506	19.687	ug/l		99
93) 1,2,4-Trichlorobenzene	15.388	180	57950	19.074	ug/l		98
94) Hexachlorobutadiene	15.500	225	17458	15.423	ug/l		97
95) Naphthalene	15.635	128	222787	19.701	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	55693	18.450	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087000.D
Acq On : 13 Jun 2025 14:32
Operator : JC\MD
Sample : VN0613WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 14 00:27:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

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

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

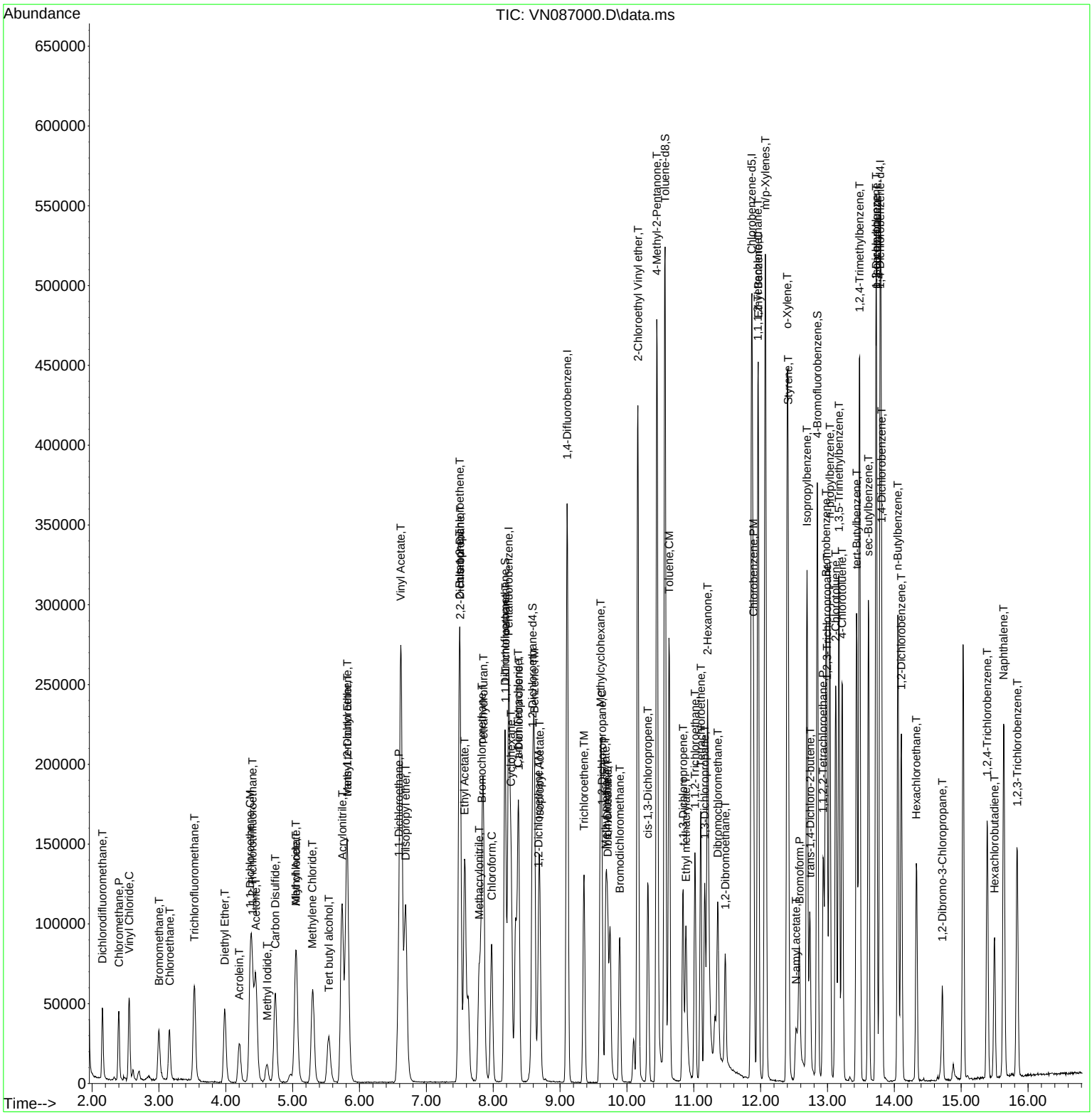
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087000.D
Acq On : 13 Jun 2025 14:32
Operator : JC\MD
Sample : VN0613WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

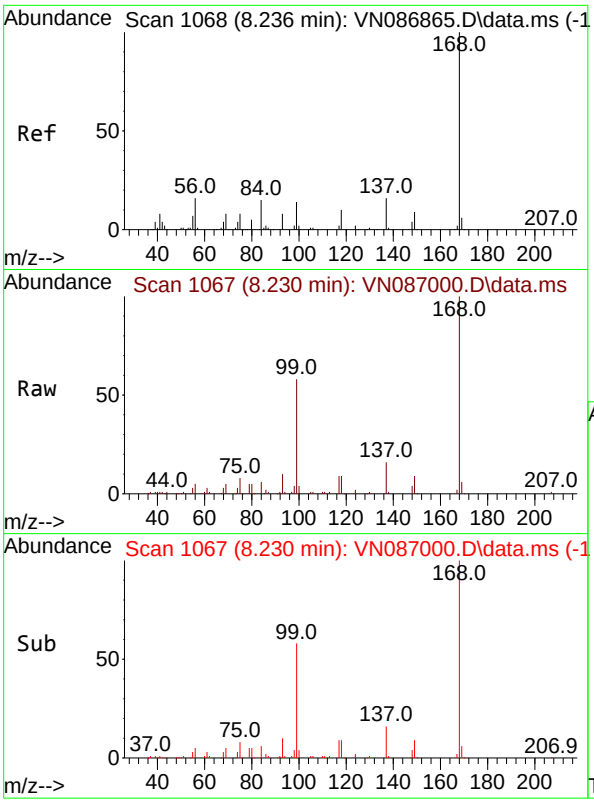
Quant Time: Jun 14 00:27:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

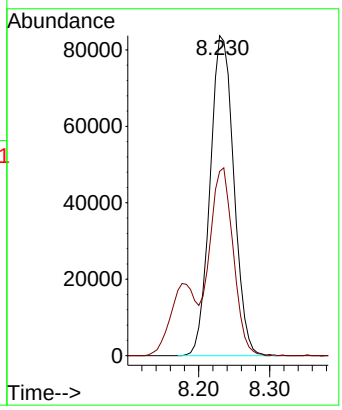




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:168 Resp: 19382

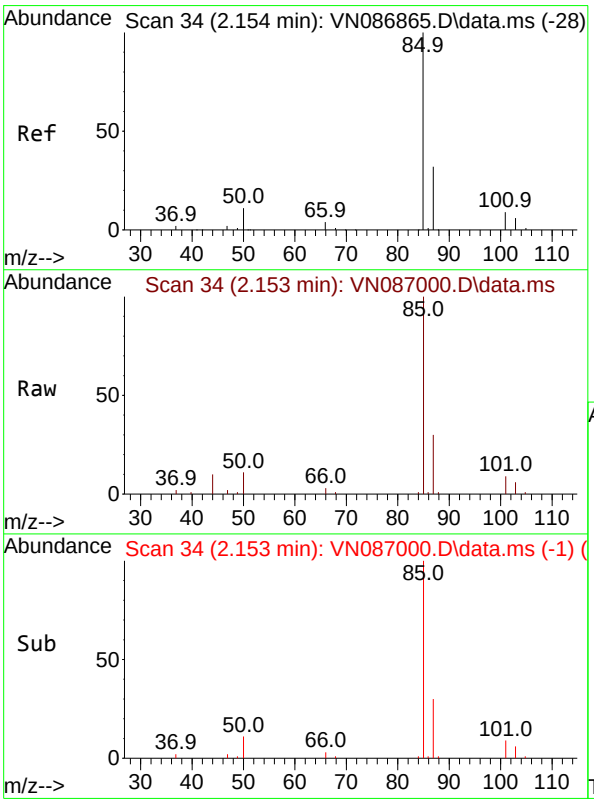
Ion	Ratio	Lower	Upper
168	100		
99	57.6	49.1	73.7



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

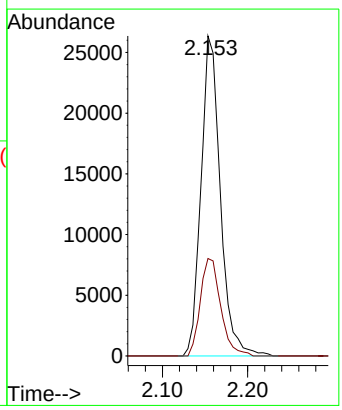
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

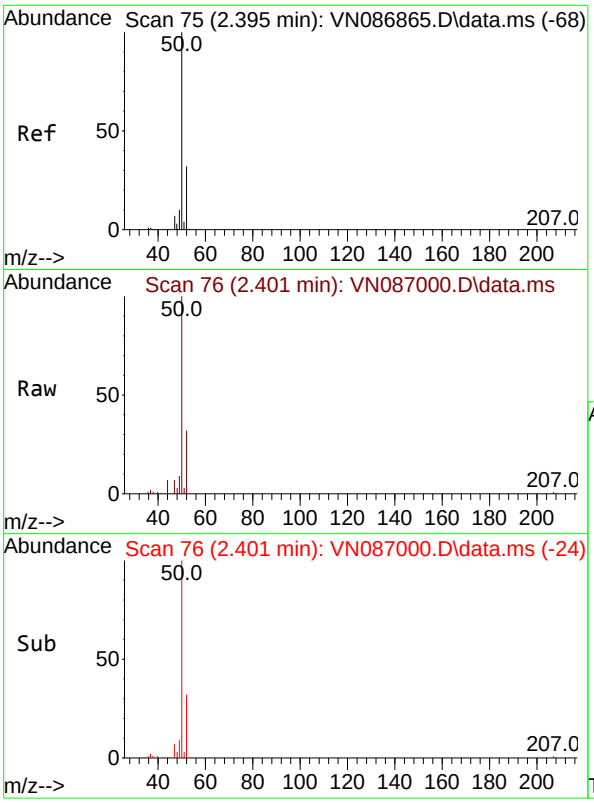


#2
Dichlorodifluoromethane
Concen: 21.475 ug/l
RT: 2.153 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 85 Resp: 41501

Ion	Ratio	Lower	Upper
85	100		
87	30.5	16.2	48.6

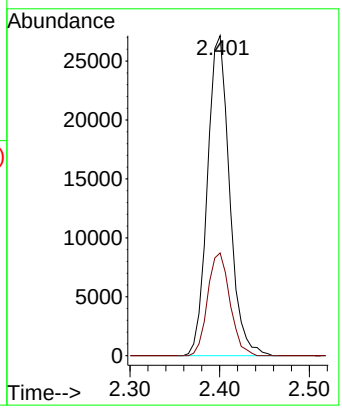




#3
Chloromethane
Concen: 18.581 ug/l
RT: 2.401 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 50 Resp: 4636

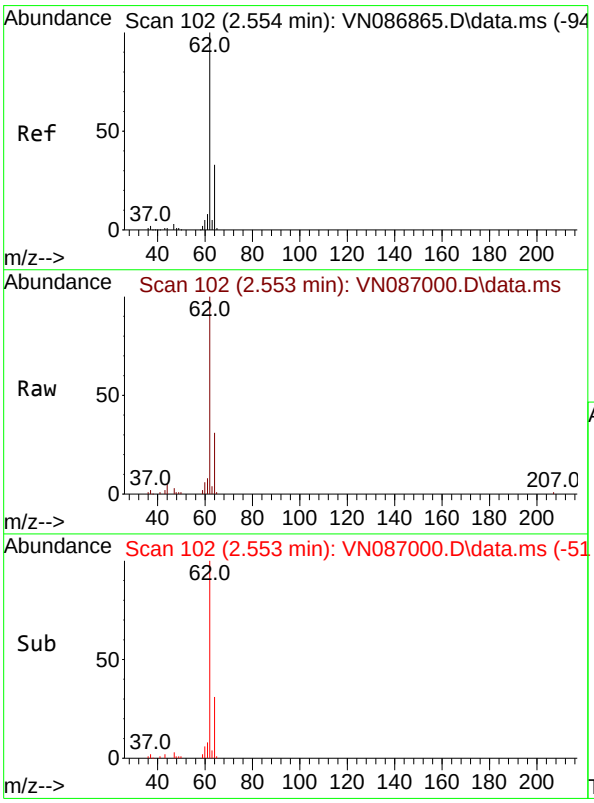
Ion	Ratio	Lower	Upper
50	100		
52	32.1	25.7	38.5



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

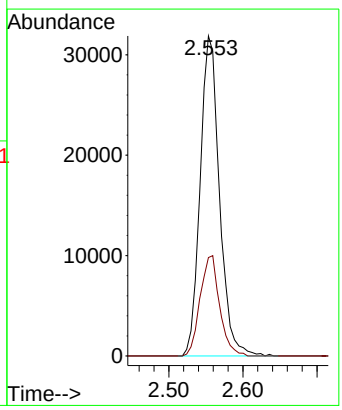
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

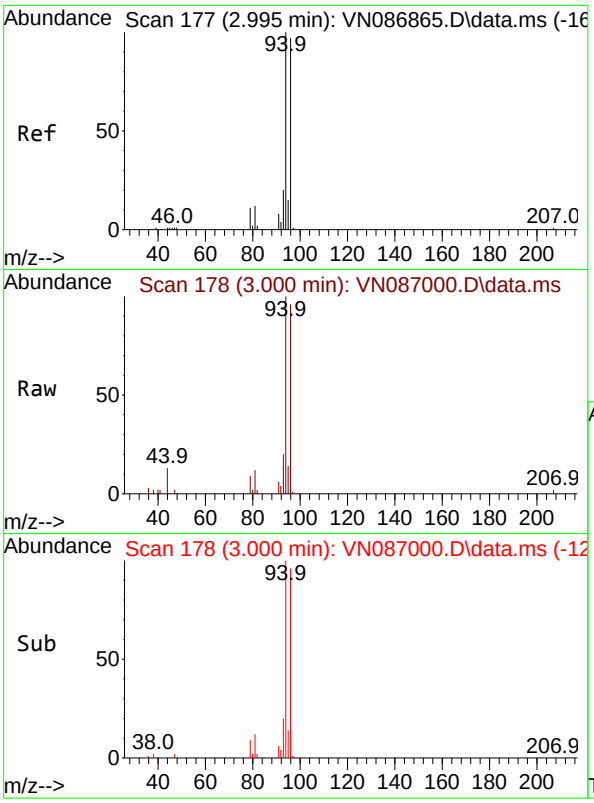


#4
Vinyl Chloride
Concen: 22.410 ug/l
RT: 2.553 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 62 Resp: 57688

Ion	Ratio	Lower	Upper
62	100		
64	30.8	26.0	39.0

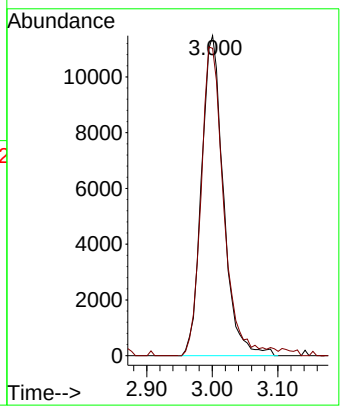




#5
Bromomethane
Concen: 18.519 ug/l
RT: 3.000 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 94 Resp: 2667

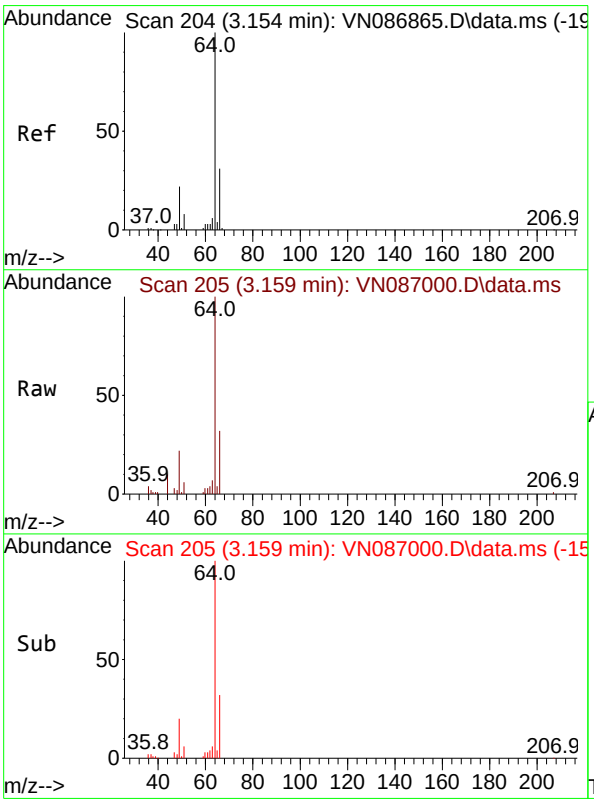
Ion	Ratio	Lower	Upper
94	100		
96	96.1	77.9	116.9



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

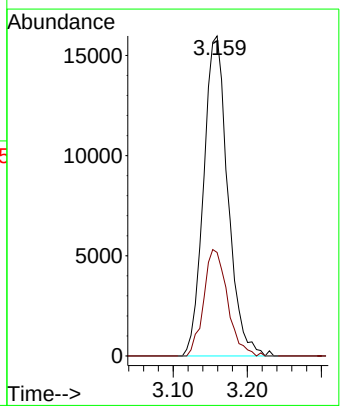
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

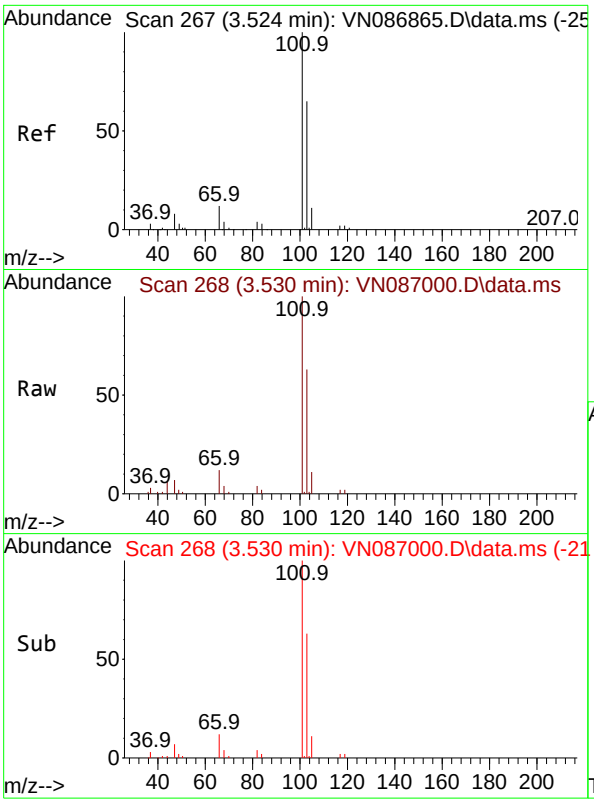


#6
Chloroethane
Concen: 21.812 ug/l
RT: 3.159 min Scan# 205
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 64 Resp: 36269

Ion	Ratio	Lower	Upper
64	100		
66	32.3	24.6	36.8

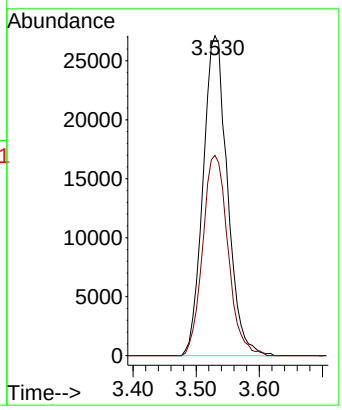




#7
Trichlorofluoromethane
Concen: 21.613 ug/l
RT: 3.530 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:101 Resp: 7269

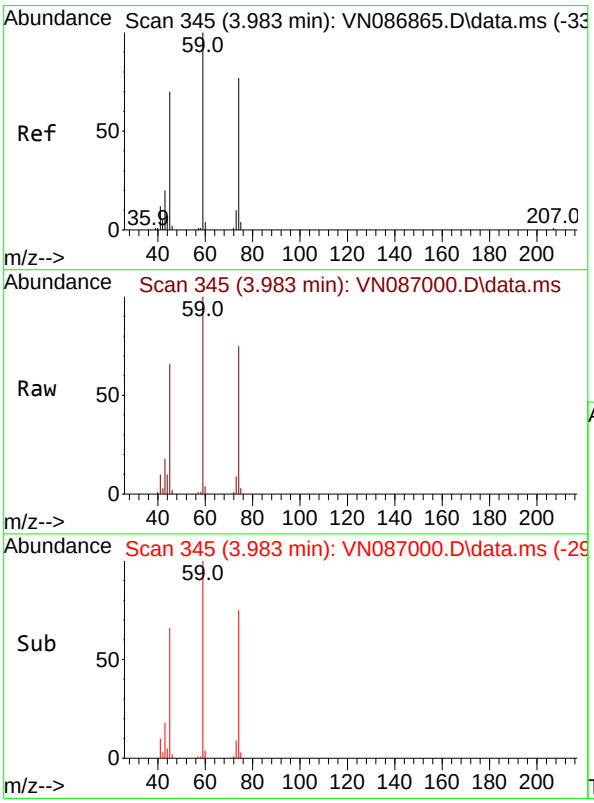
Ion	Ratio	Lower	Upper
101	100		
103	62.6	52.2	78.2



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

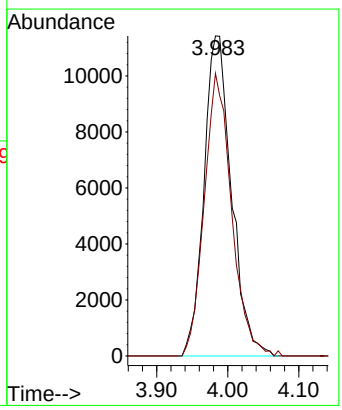
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

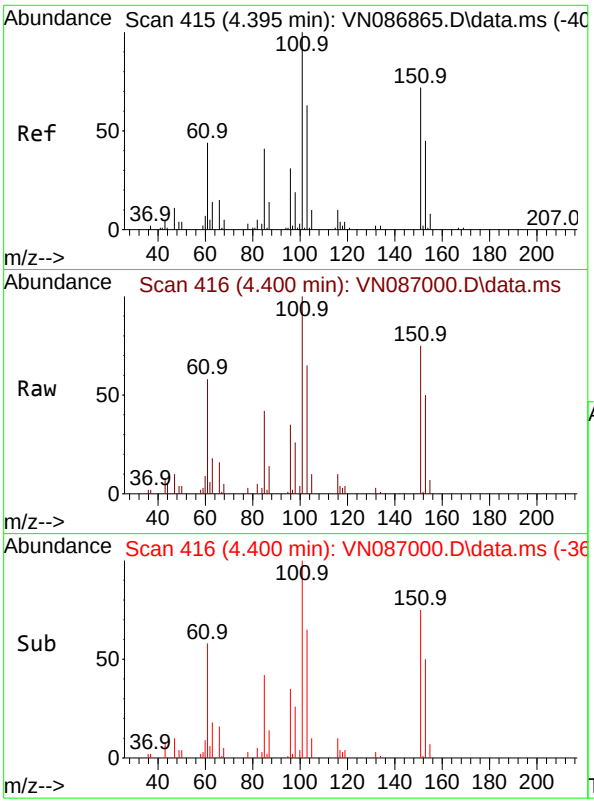


#8
Diethyl Ether
Concen: 20.990 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 74 Resp: 30759

Ion	Ratio	Lower	Upper
74	100		
45	87.6	45.5	136.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.081 ug/l
RT: 4.400 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

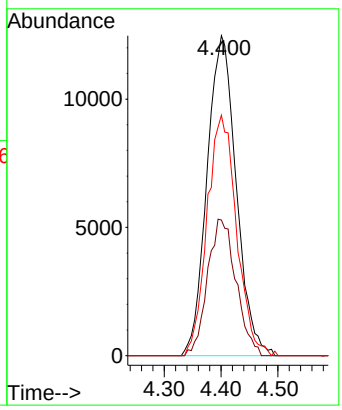
Tgt Ion:101 Resp: 4454

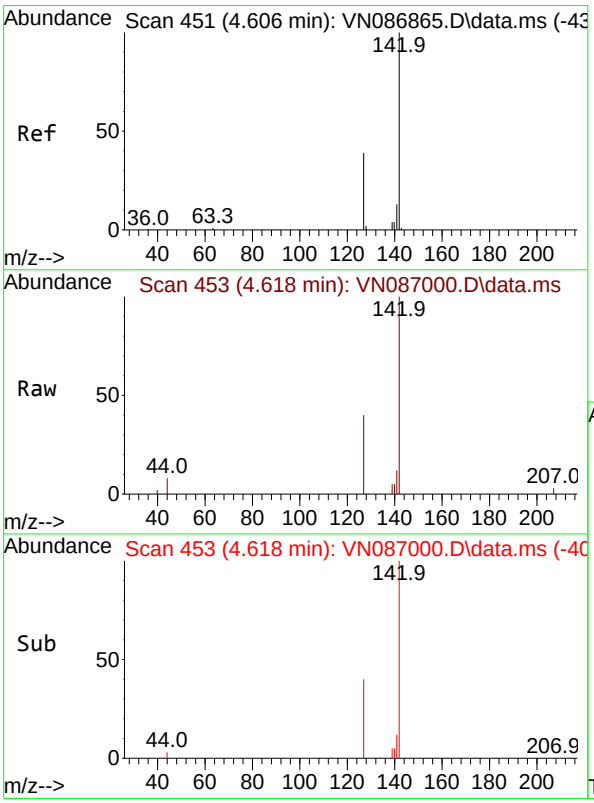
Ion	Ratio	Lower	Upper
101	100		
85	41.6	33.8	50.8
151	75.7	58.7	88.1

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

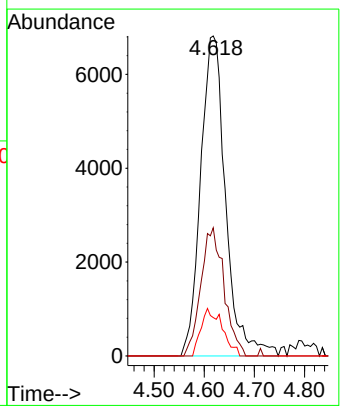


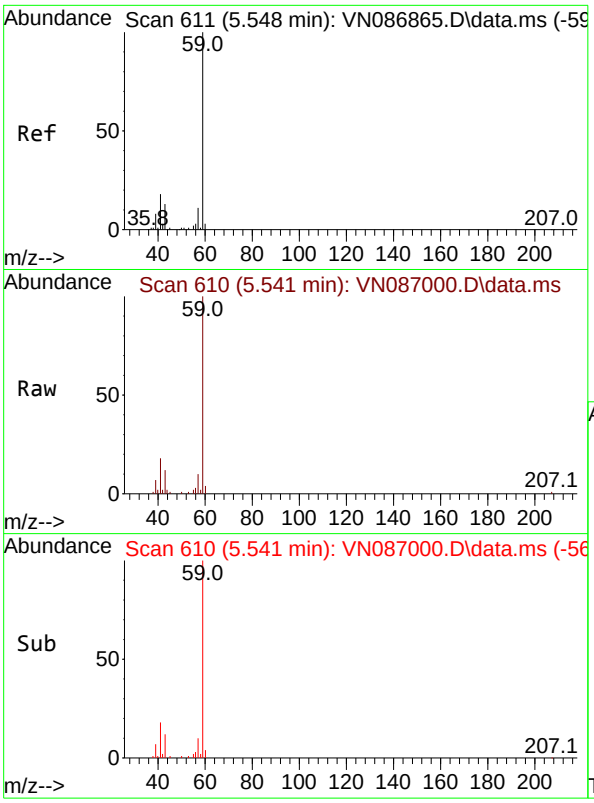


#10
Methyl Iodide
Concen: 8.611 ug/l
RT: 4.618 min Scan# 453
Delta R.T. 0.012 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:142 Resp: 23587

Ion	Ratio	Lower	Upper
142	100		
127	40.0	30.9	46.3
141	12.0	10.4	15.6





#11
Tert butyl alcohol
Concen: 91.353 ug/l
RT: 5.541 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

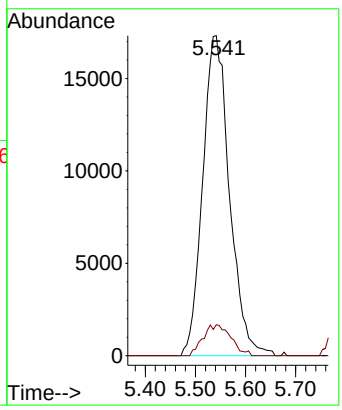
Tgt Ion: 59 Resp: 6432

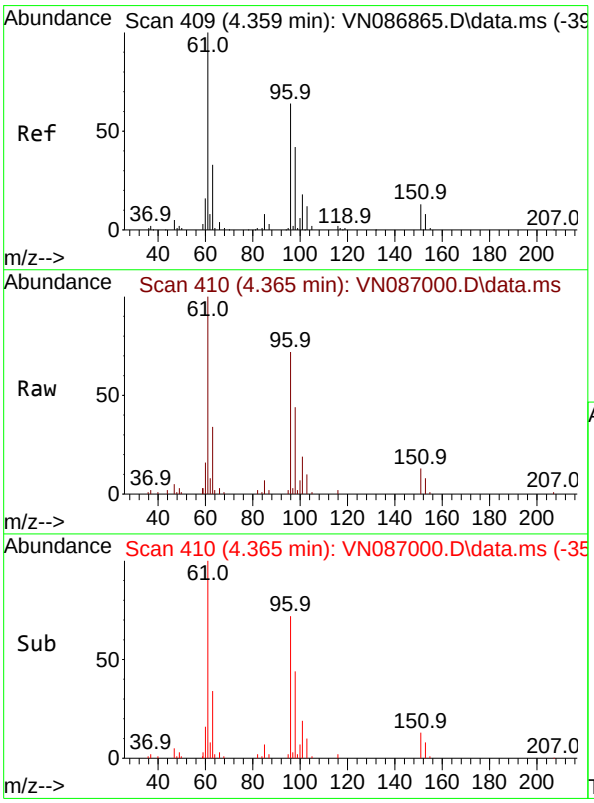
Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.1	12.1

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

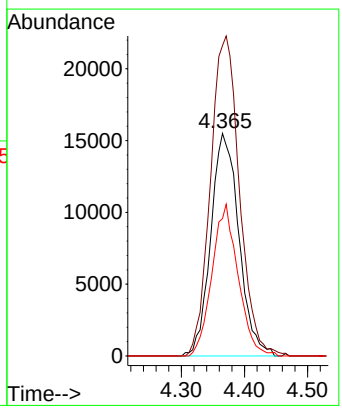


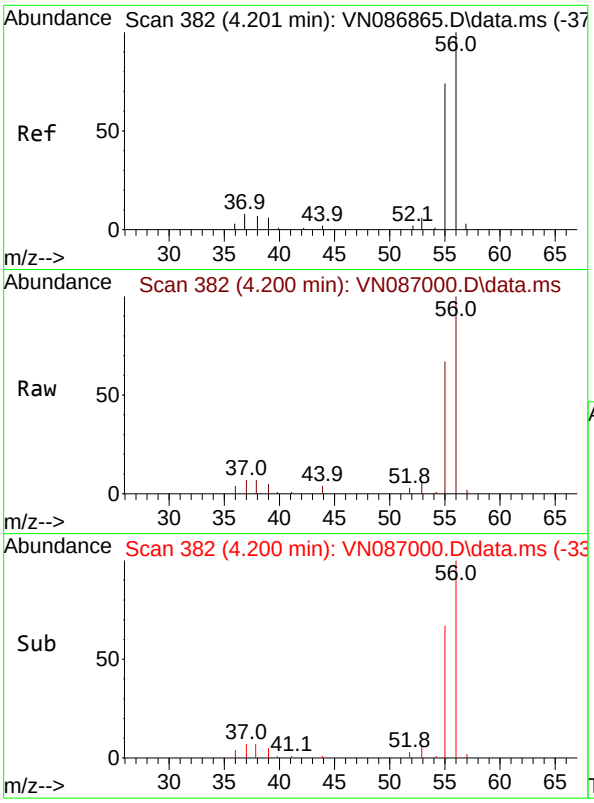


#12
1,1-Dichloroethene
Concen: 22.168 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 96 Resp: 47822

Ion	Ratio	Lower	Upper
96	100		
61	139.4	125.8	188.6
98	61.8	52.5	78.7





#13
Acrolein
Concen: 160.469 ug/l
RT: 4.200 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

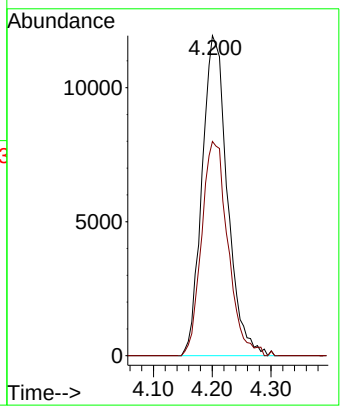
Tgt Ion: 56 Resp: 3576

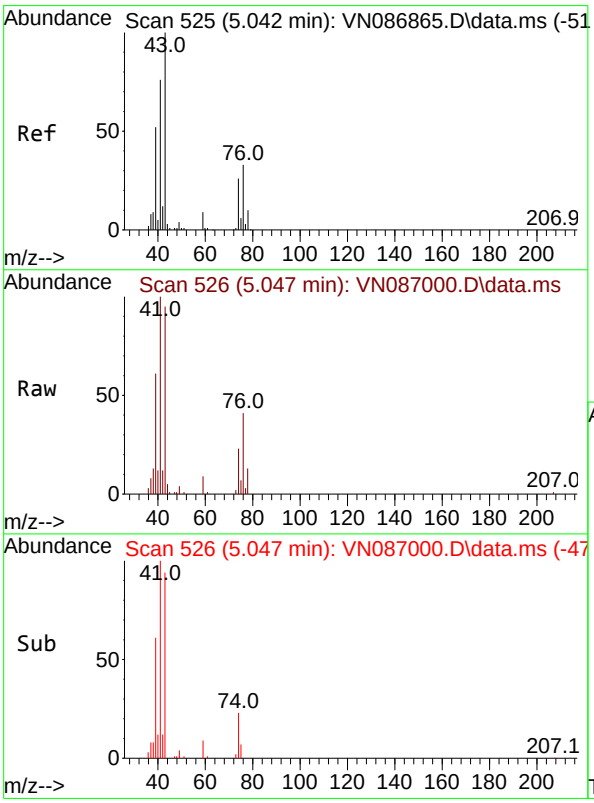
Ion	Ratio	Lower	Upper
56	100		
55	69.4	55.6	83.4

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

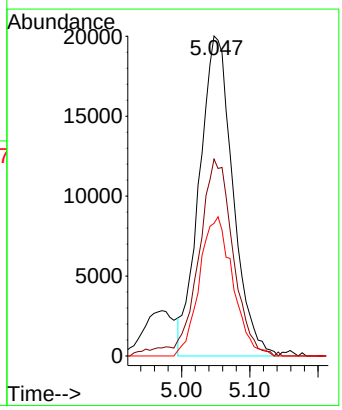


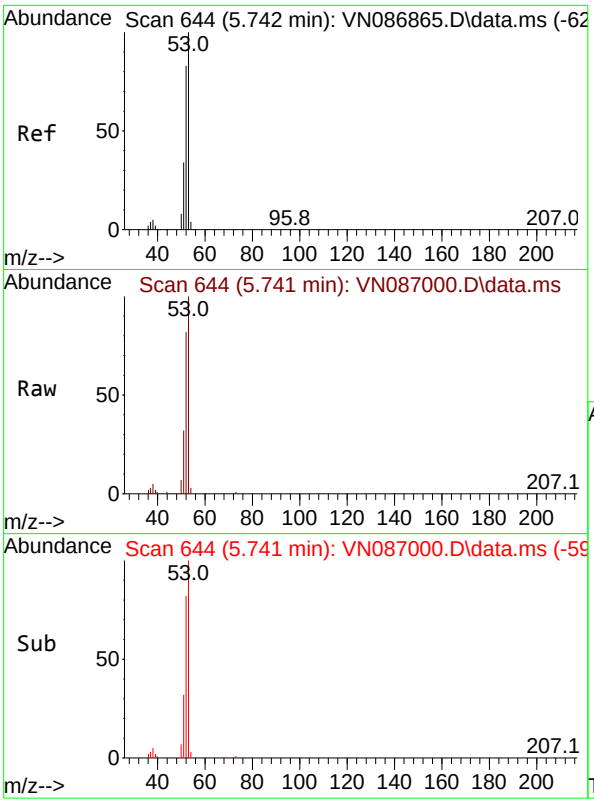


#14
Allyl chloride
Concen: 19.146 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 41 Resp: 68500

Ion	Ratio	Lower	Upper
41	100		
39	64.0	51.3	76.9
76	43.2	31.4	47.0





#15
Acrylonitrile
Concen: 98.265 ug/l
RT: 5.741 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

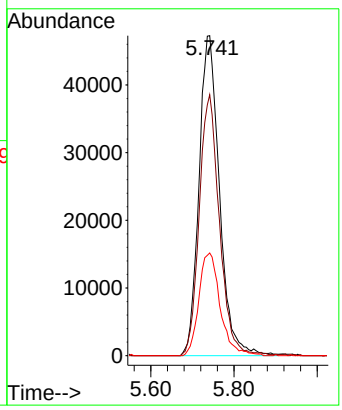
Tgt Ion: 53 Resp: 16172

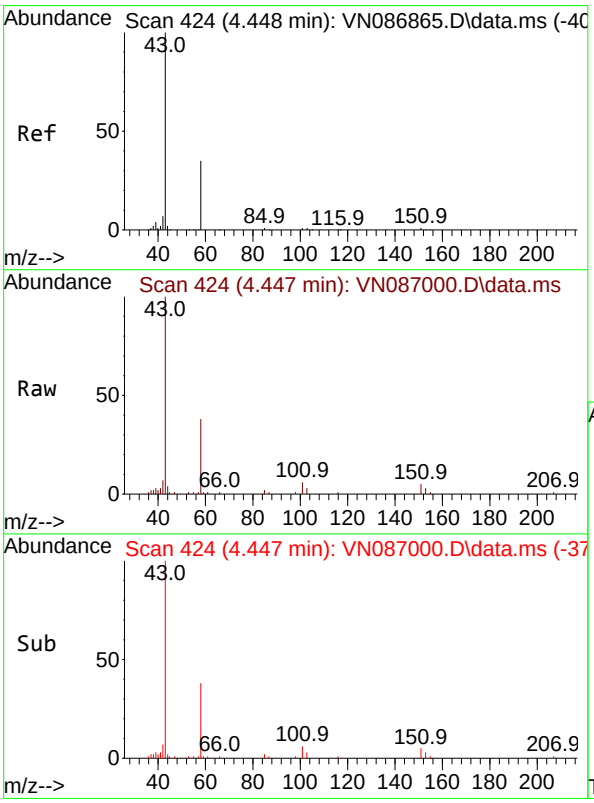
Ion	Ratio	Lower	Upper
53	100		
52	80.5	65.0	97.6
51	33.5	27.2	40.8

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

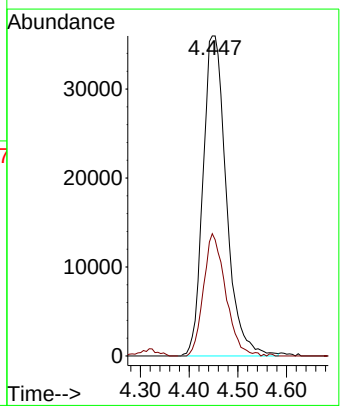


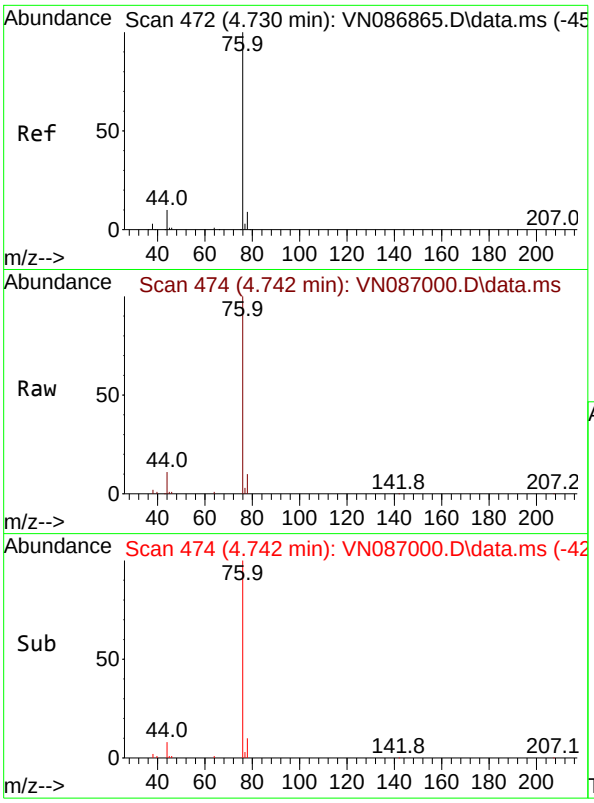


#16
Acetone
Concen: 86.723 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 43 Resp: 119345

Ion	Ratio	Lower	Upper
43	100		
58	38.2	28.0	42.0

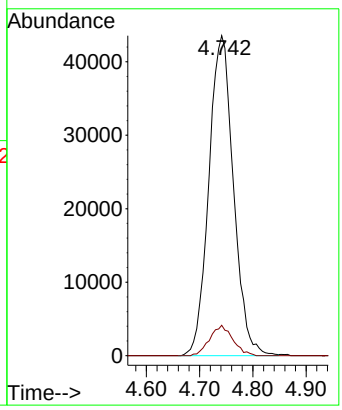




#17
Carbon Disulfide
Concen: 23.443 ug/l
RT: 4.742 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 76 Resp: 13988

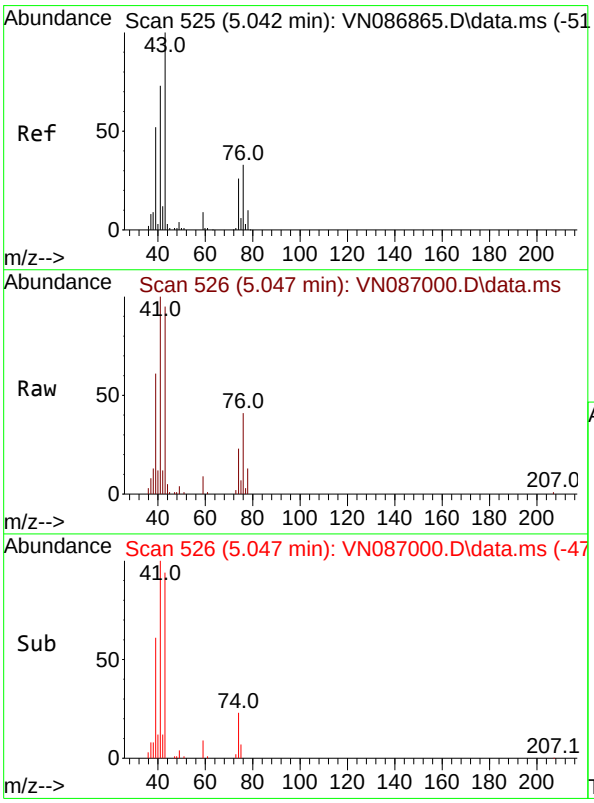
Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

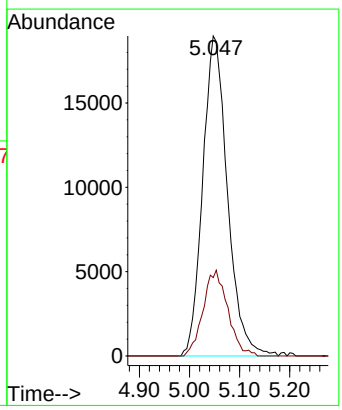
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

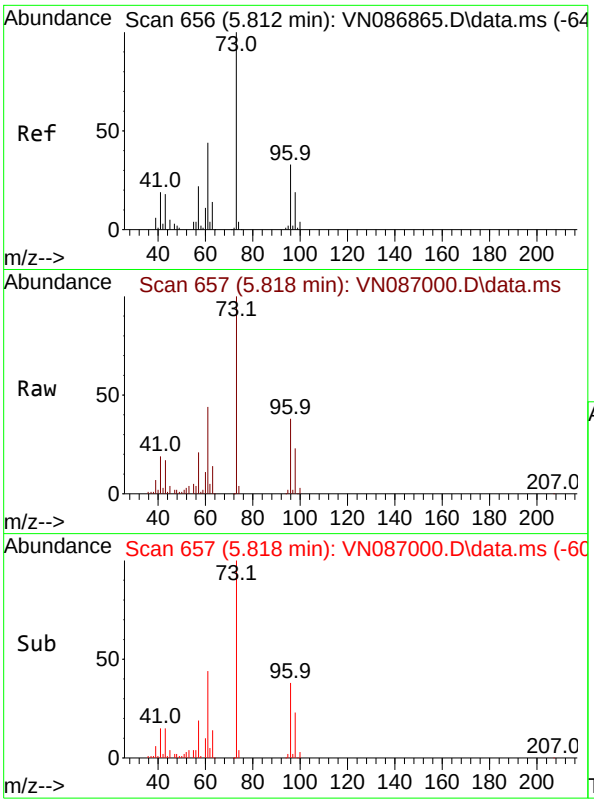


#18
Methyl Acetate
Concen: 16.206 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 43 Resp: 64994

Ion	Ratio	Lower	Upper
43	100		
74	26.7	20.7	31.1

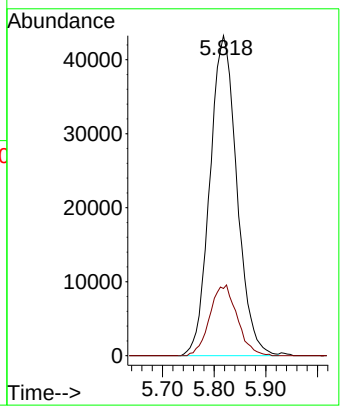




#19
Methyl tert-butyl Ether
Concen: 20.142 ug/l
RT: 5.818 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 73 Resp: 15732

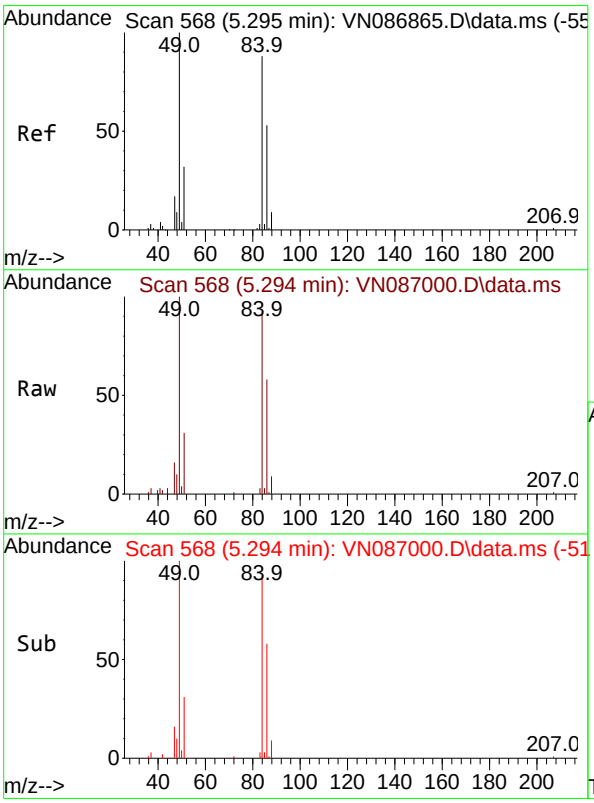
Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.4	26.2



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

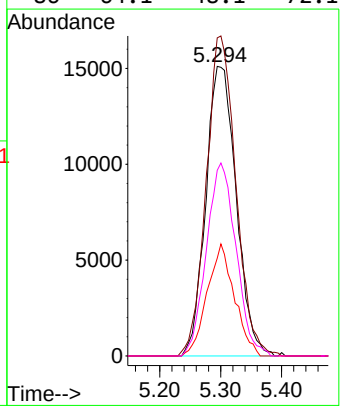
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

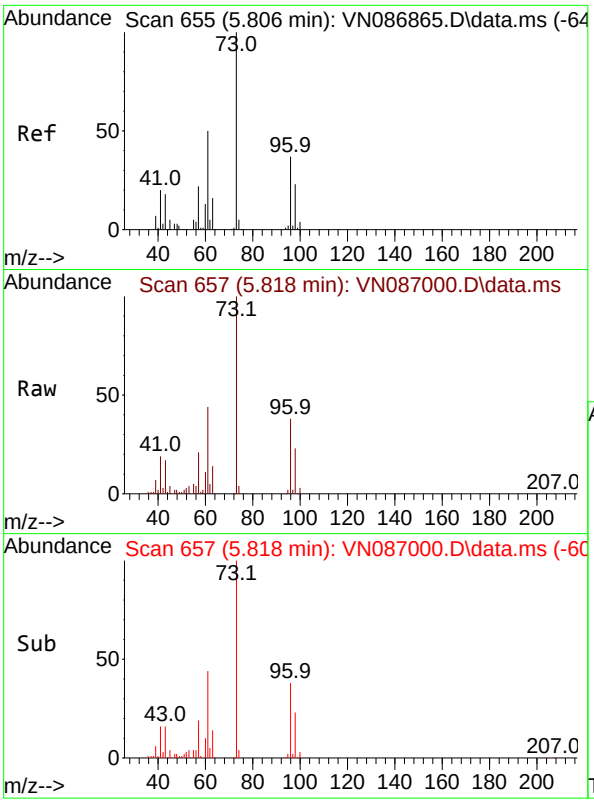


#20
Methylene Chloride
Concen: 20.381 ug/l
RT: 5.294 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 84 Resp: 52509

Ion	Ratio	Lower	Upper
84	100		
49	109.8	90.5	135.7
51	33.8	28.5	42.7
86	64.1	48.1	72.1

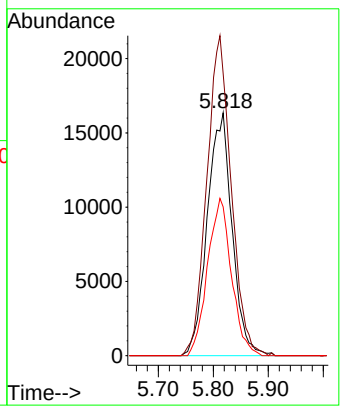




#21
trans-1,2-Dichloroethene
Concen: 21.358 ug/l
RT: 5.818 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 96 Resp: 5126

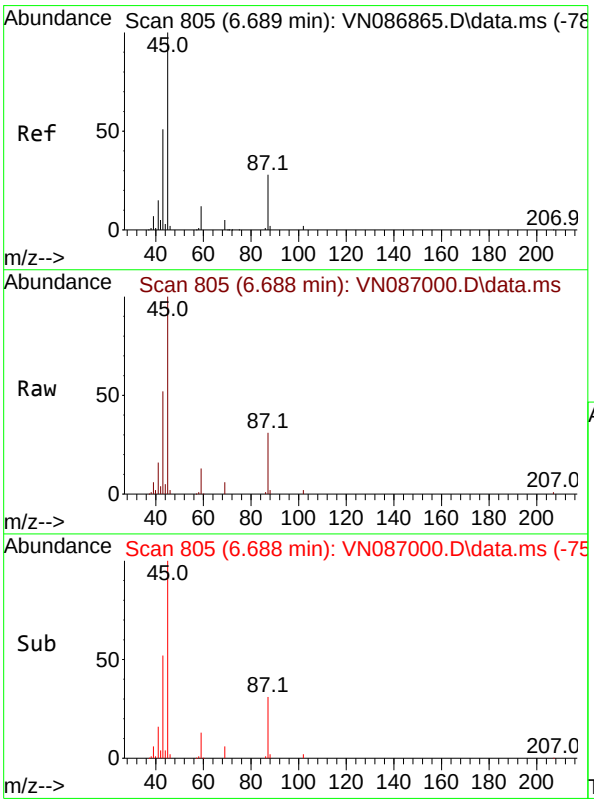
Ion	Ratio	Lower	Upper
96	100		
61	116.2	109.2	163.8
98	61.3	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

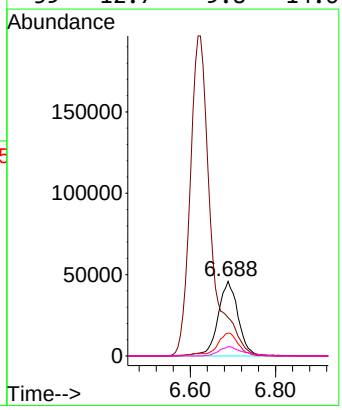
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

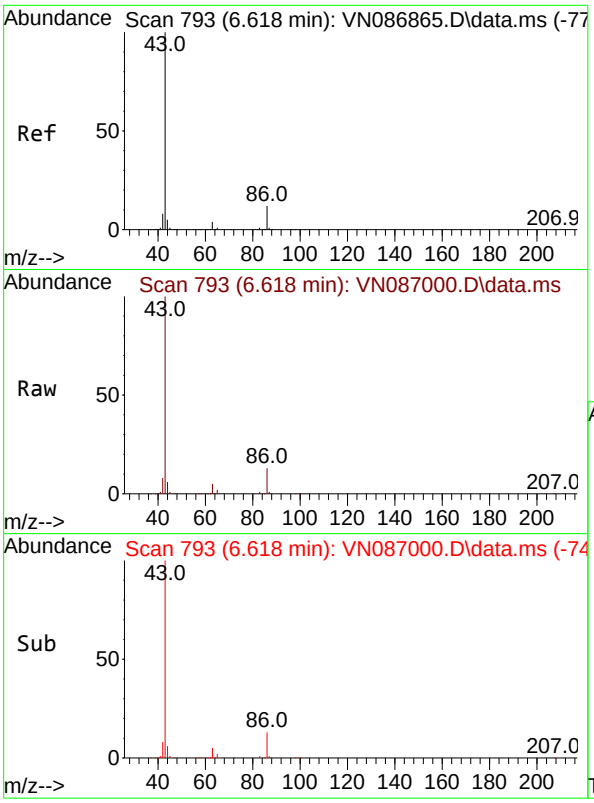


#22
Diisopropyl ether
Concen: 19.870 ug/l
RT: 6.688 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 45 Resp: 149851

Ion	Ratio	Lower	Upper
45	100		
43	50.5	41.9	62.9
87	30.6	22.4	33.6
59	12.7	9.8	14.6





#23
Vinyl Acetate
Concen: 103.323 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

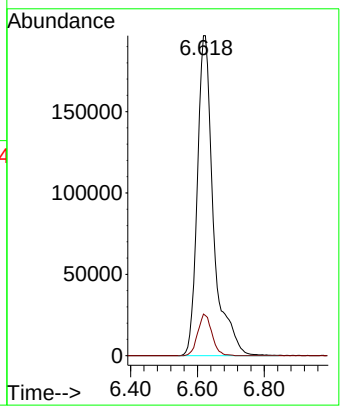
Tgt Ion: 43 Resp: 65835

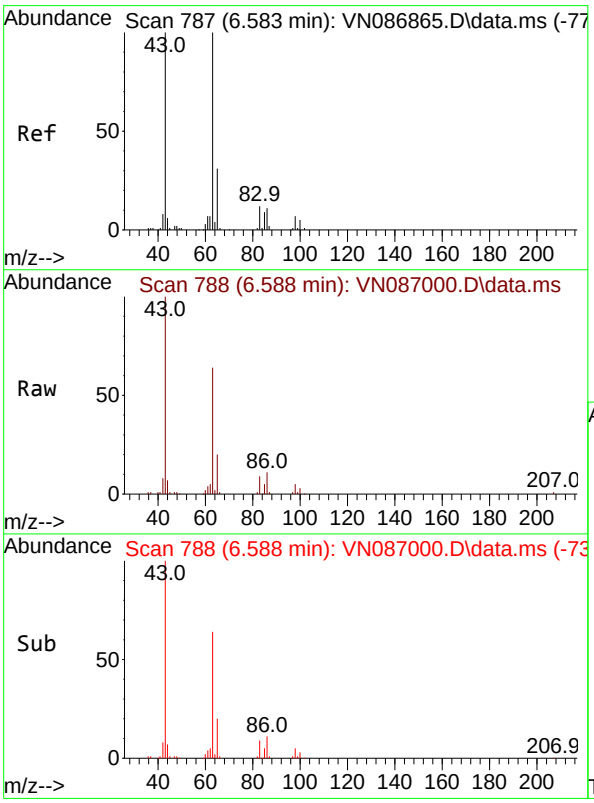
Ion	Ratio	Lower	Upper
43	100		
86	13.0	9.5	14.3

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

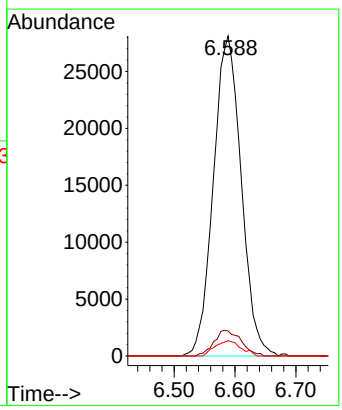


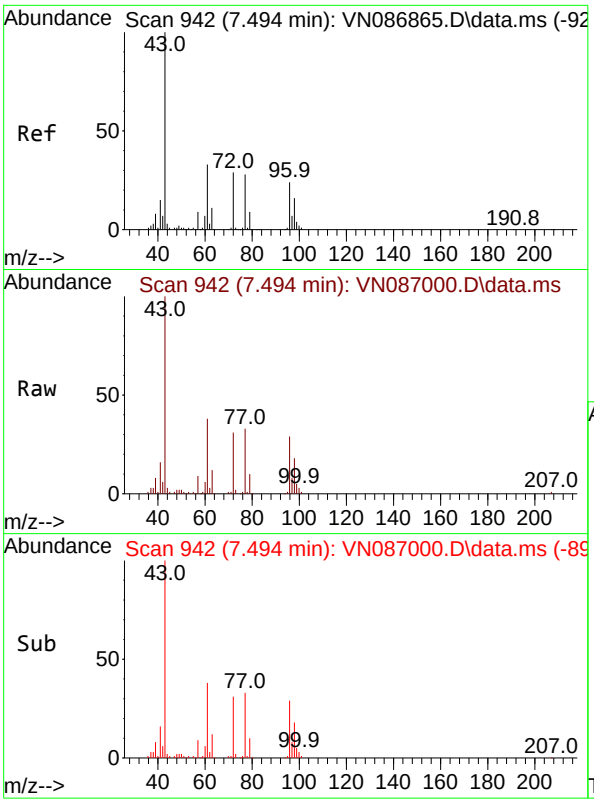


#24
1,1-Dichloroethane
Concen: 20.535 ug/l
RT: 6.588 min Scan# 788
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 63 Resp: 89124

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.6	10.8
100	4.7	2.6	7.8





#25
2-Butanone
Concen: 91.238 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

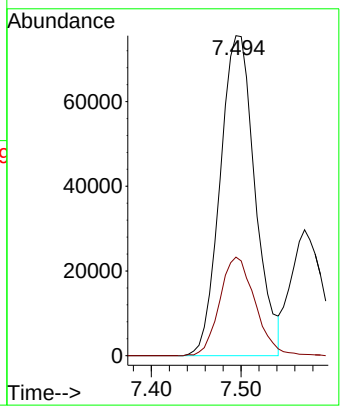
Tgt Ion: 43 Resp: 20409

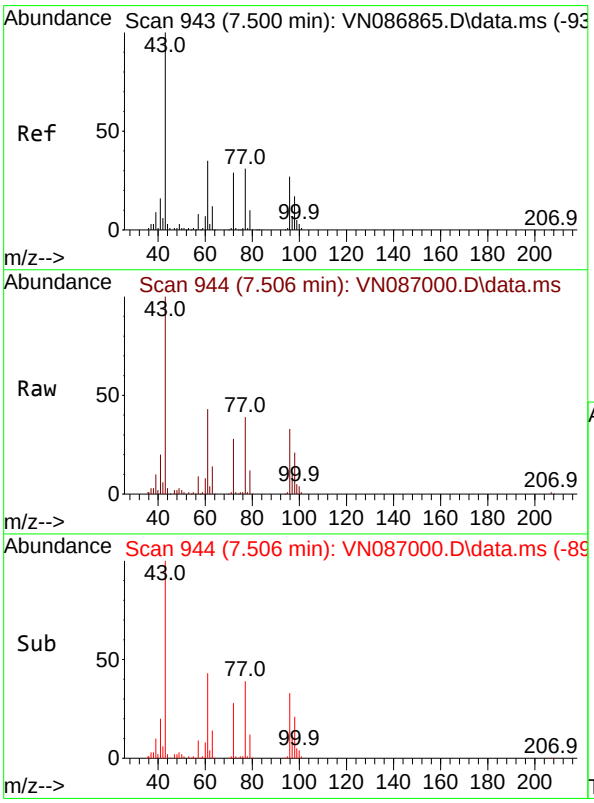
Ion	Ratio	Lower	Upper
43	100		
72	30.8	23.0	34.6

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

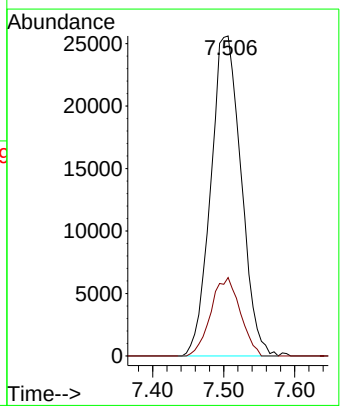


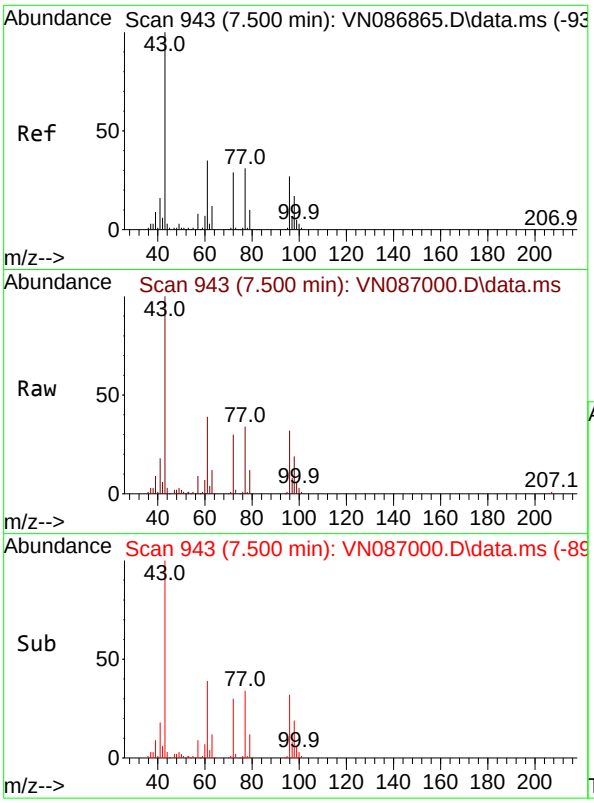


#26
2,2-Dichloropropane
Concen: 22.511 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 77 Resp: 75997

Ion	Ratio	Lower	Upper
77	100		
97	23.7	11.6	34.7

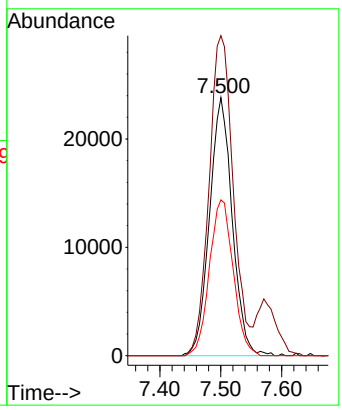




#27
cis-1,2-Dichloroethene
Concen: 21.544 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 96 Resp: 6184(

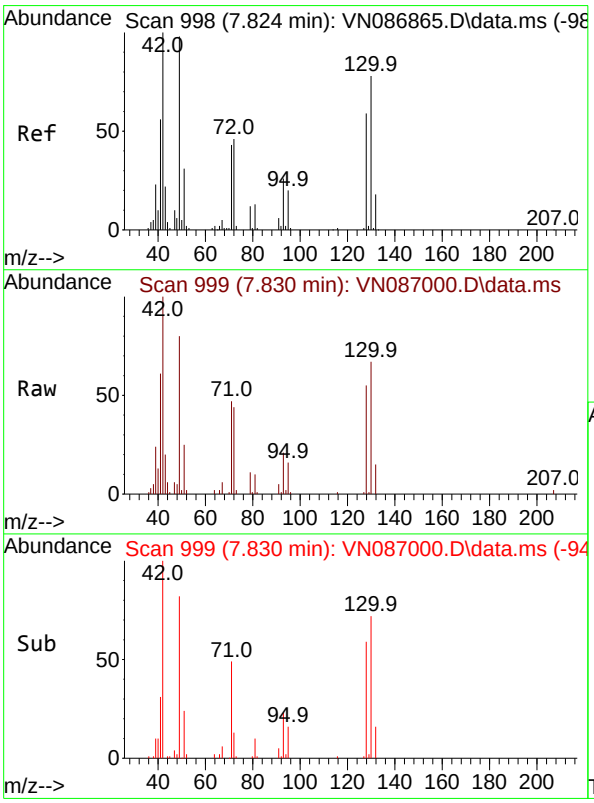
Ion	Ratio	Lower	Upper
96	100		
61	132.3	0.0	278.0
98	63.1	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

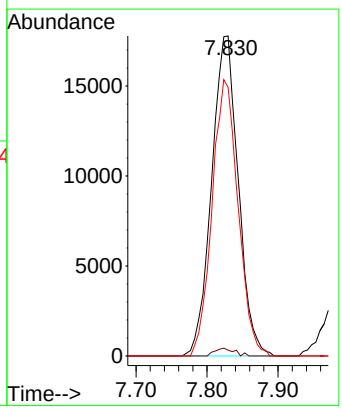
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

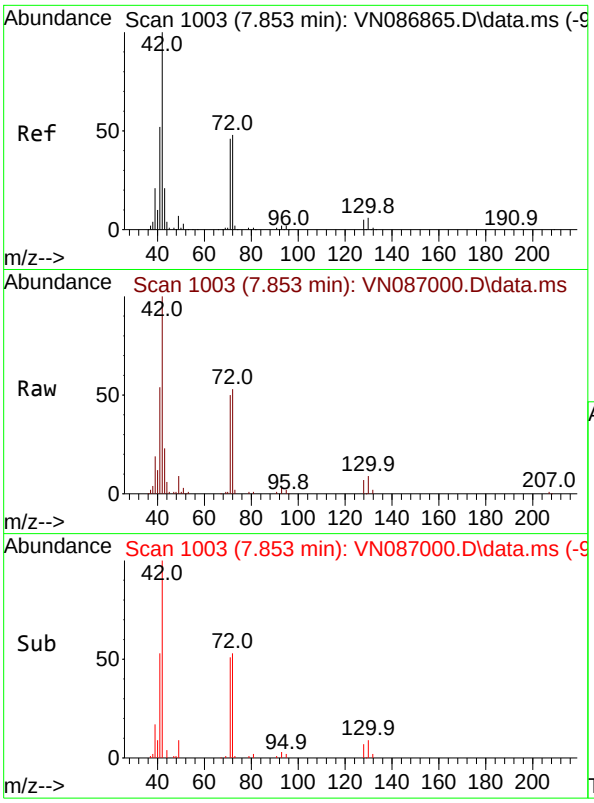


#28
Bromochloromethane
Concen: 21.714 ug/l
RT: 7.830 min Scan# 999
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 49 Resp: 46335

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	84.0	62.2	93.2





#29
Tetrahydrofuran
Concen: 93.364 ug/l
RT: 7.853 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

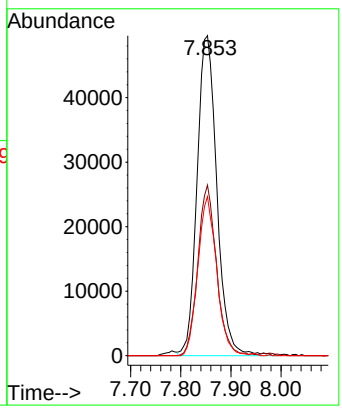
Tgt Ion: 42 Resp: 13605

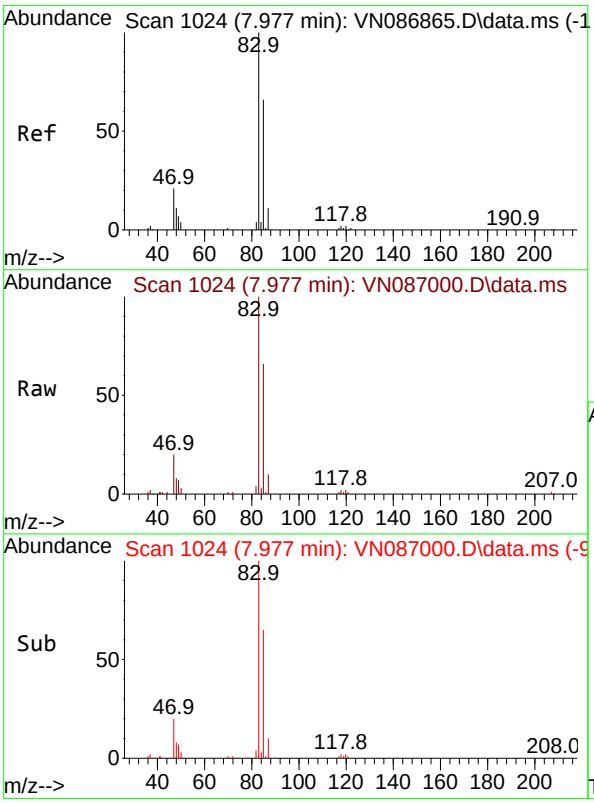
Ion	Ratio	Lower	Upper
42	100		
72	50.3	37.8	56.6
71	47.4	35.6	53.4

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

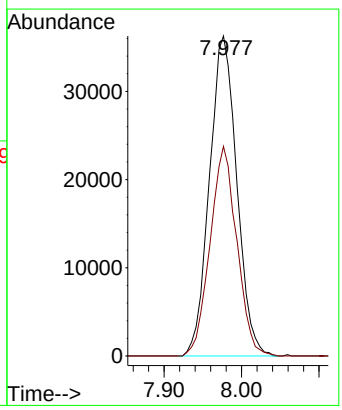


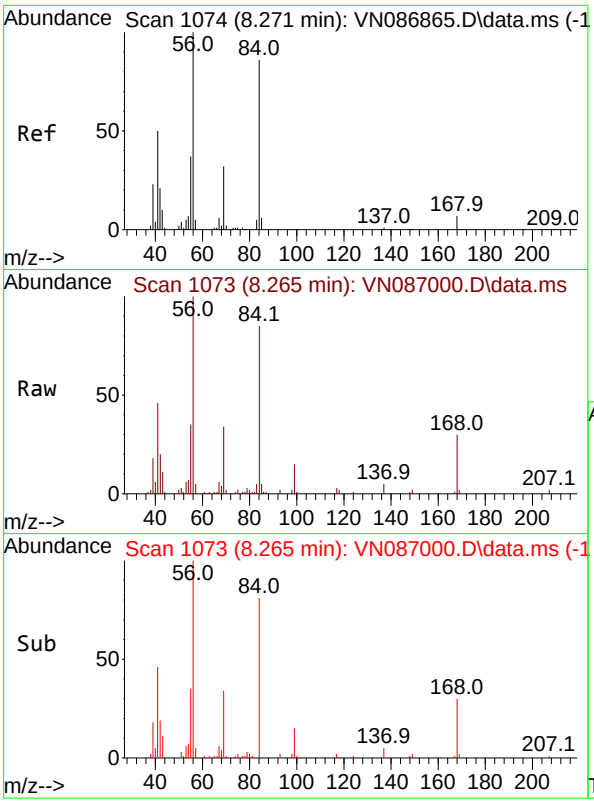


#30
Chloroform
Concen: 20.502 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 83 Resp: 88860

Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.9	79.3





#31
Cyclohexane
Concen: 19.727 ug/l
RT: 8.265 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

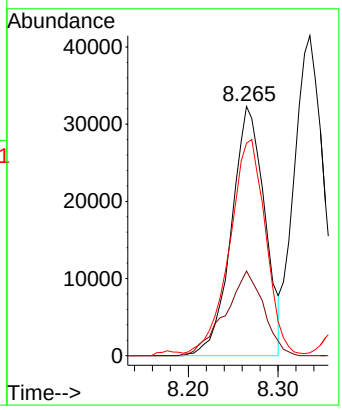
Tgt Ion: 56 Resp: 8303

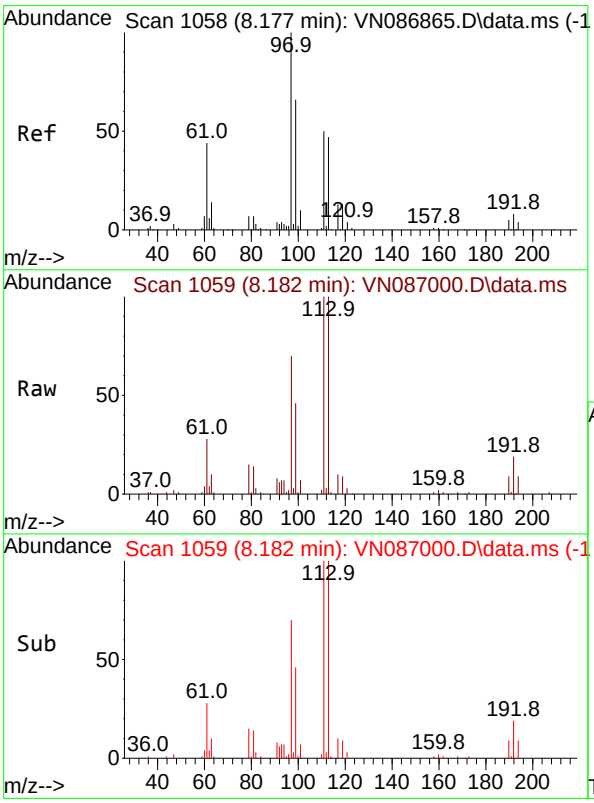
Ion	Ratio	Lower	Upper
56	100		
69	33.9	25.4	38.0
84	83.8	68.8	103.2

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

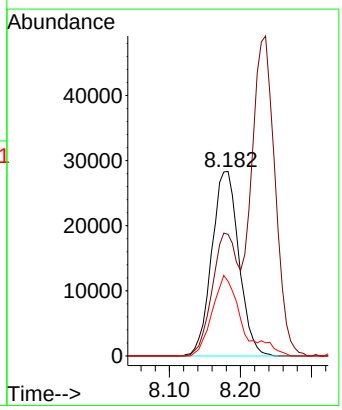


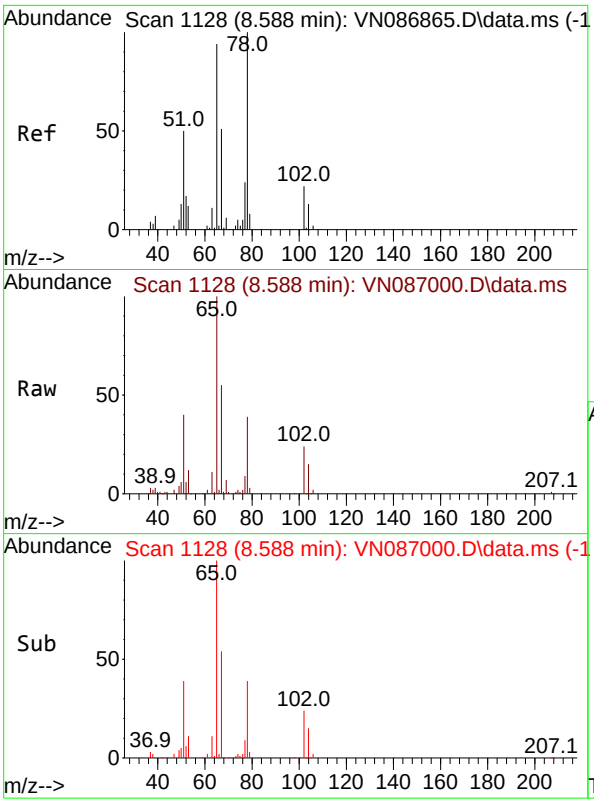


#32
1,1,1-Trichloroethane
Concen: 20.337 ug/l
RT: 8.182 min Scan# 1059
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 97 Resp: 74968

Ion	Ratio	Lower	Upper
97	100		
99	63.4	52.0	78.0
61	47.4	35.9	53.9





#33
1,2-Dichloroethane-d4
Concen: 46.519 ug/l
RT: 8.588 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

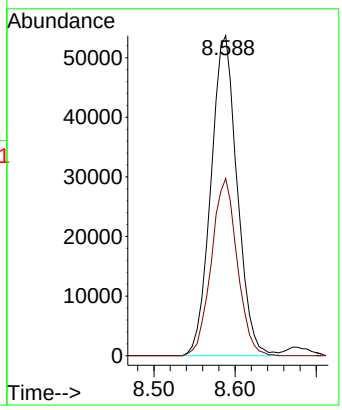
Tgt Ion: 65 Resp: 12071

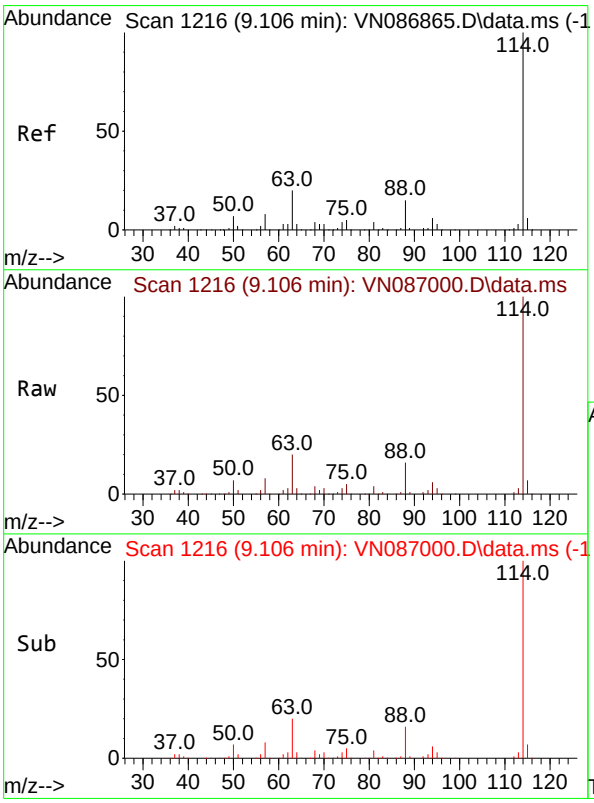
Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	105.6

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

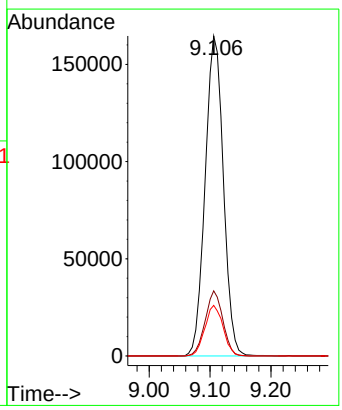


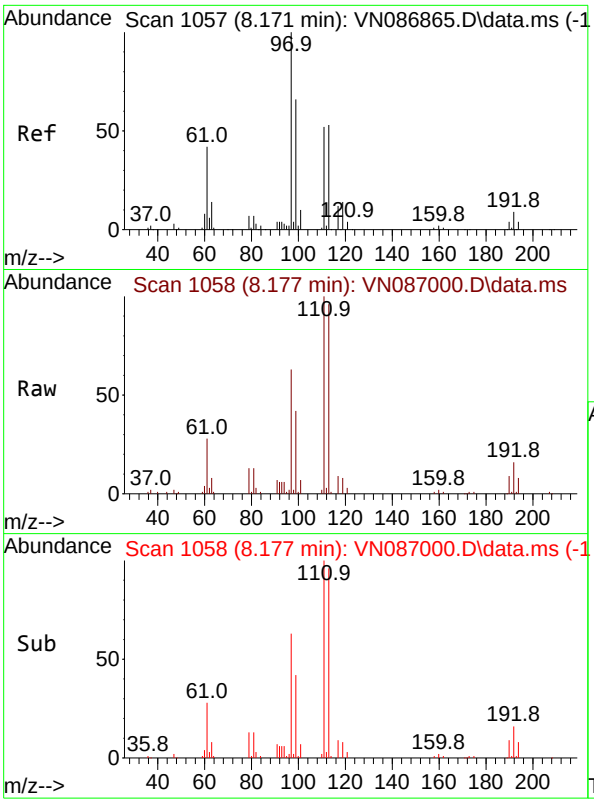


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:114 Resp: 342767

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	39.6
88	15.8	0.0	30.2

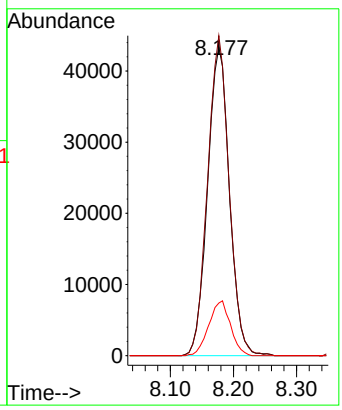




#35
Dibromofluoromethane
Concen: 51.333 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:113 Resp: 10427

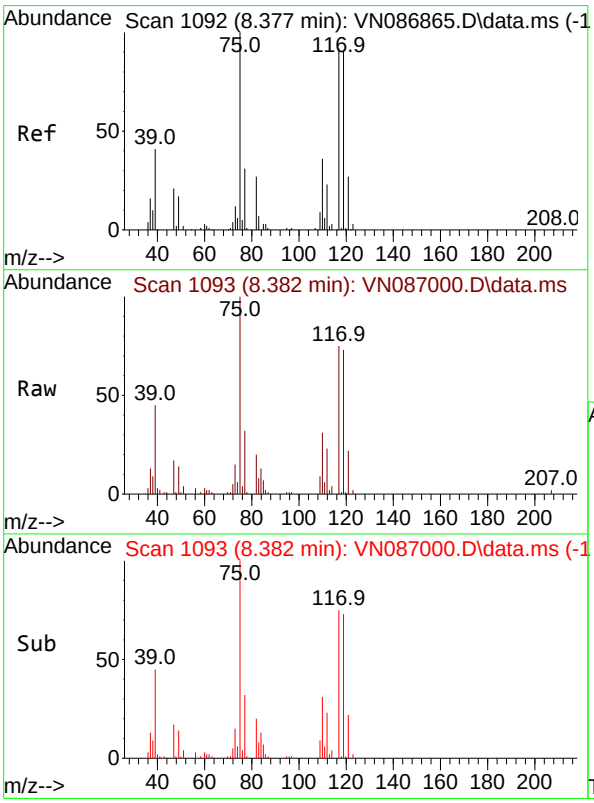
Ion	Ratio	Lower	Upper
113	100		
111	102.0	84.2	126.2
192	17.7	14.2	21.4



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

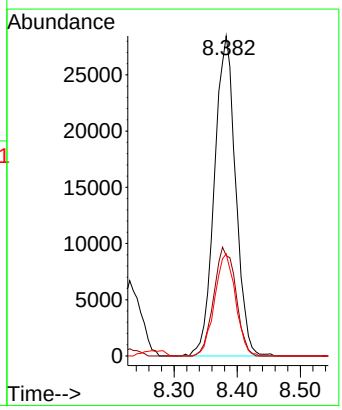
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

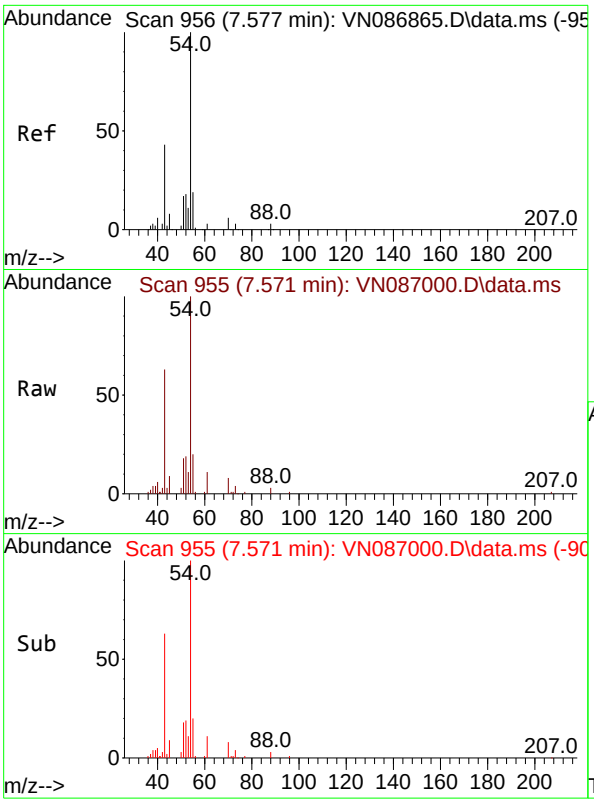


#36
1,1-Dichloropropene
Concen: 21.920 ug/l
RT: 8.382 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 75 Resp: 66350

Ion	Ratio	Lower	Upper
75	100		
110	35.3	17.6	52.9
77	31.6	25.3	37.9





#37
Ethyl Acetate
Concen: 19.890 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

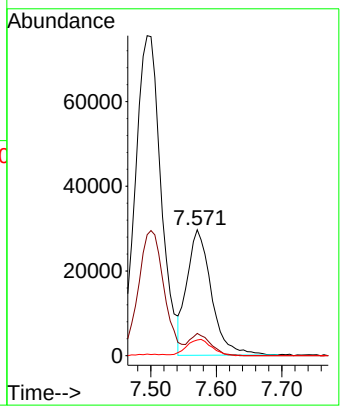
Tgt Ion: 43 Resp: 7663

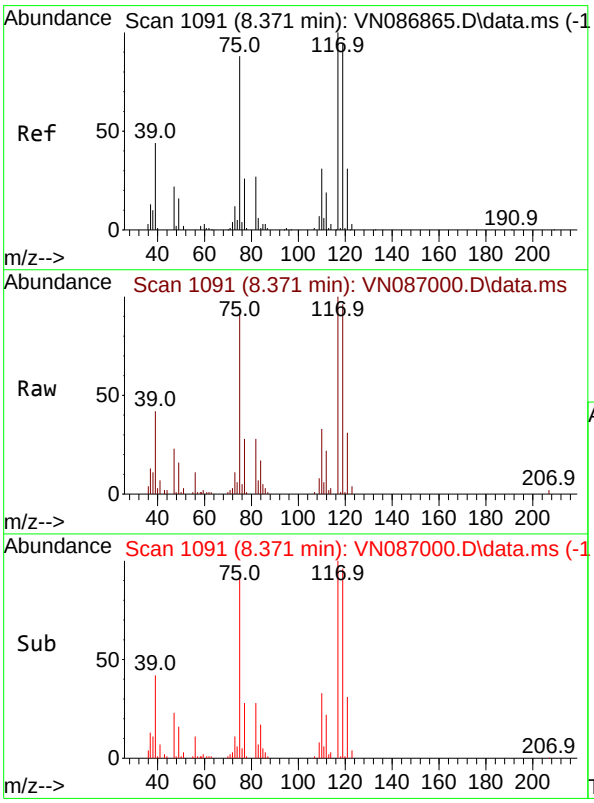
Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.1	18.1
70	13.5	9.8	14.6

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

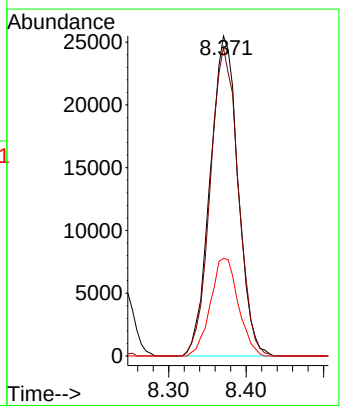


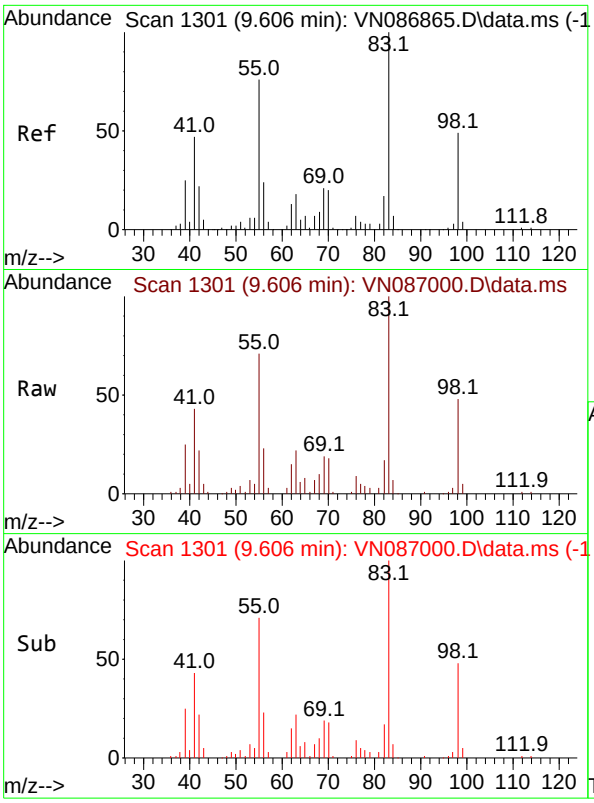


#38
Carbon Tetrachloride
Concen: 21.401 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:117 Resp: 63596

Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.0	112.6
121	30.5	24.9	37.3





#39
Methylcyclohexane
Concen: 19.176 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

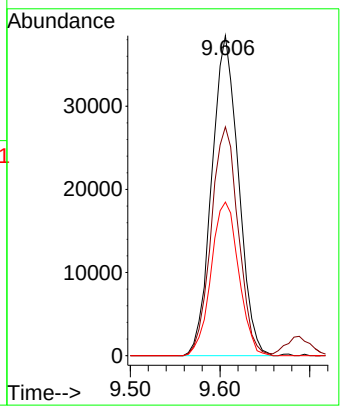
Tgt Ion: 83 Resp: 7952

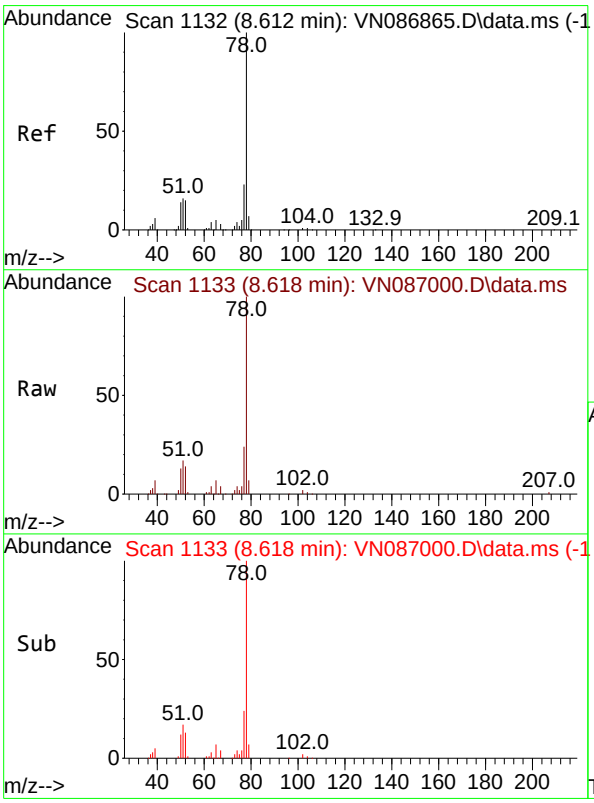
Ion	Ratio	Lower	Upper
83	100		
55	71.5	61.0	91.6
98	48.0	38.9	58.3

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

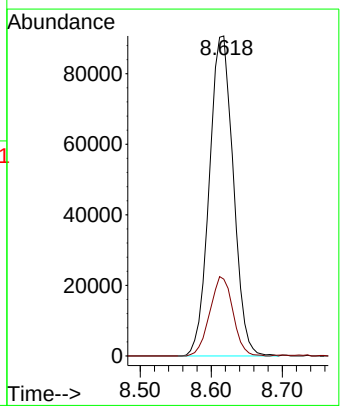


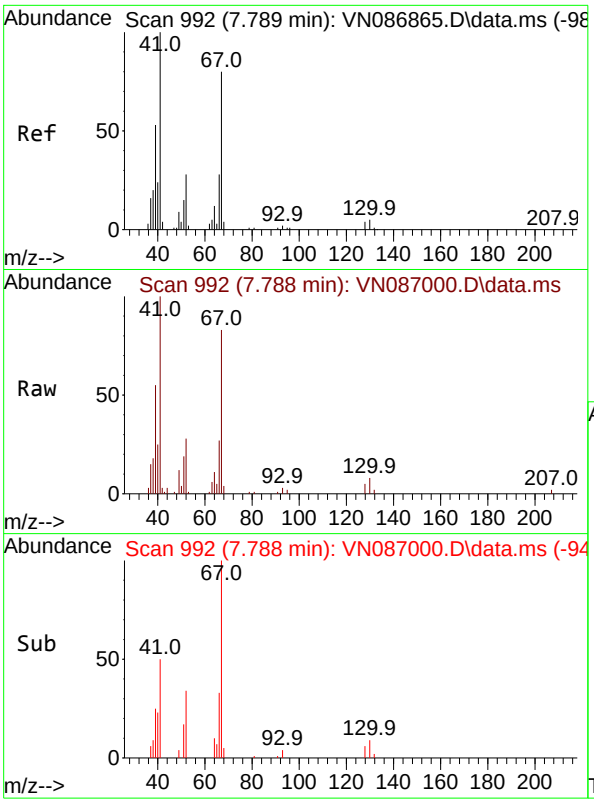


#40
Benzene
Concen: 21.476 ug/l
RT: 8.618 min Scan# 1133
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 78 Resp: 212565

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.7	28.1

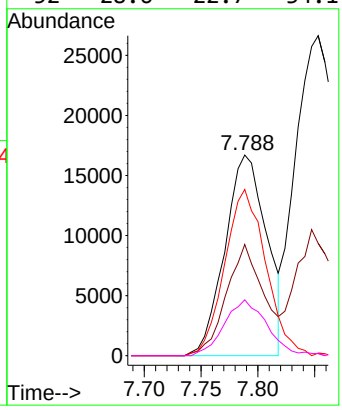




#41
Methacrylonitrile
Concen: 19.746 ug/l
RT: 7.788 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 41 Resp: 4273

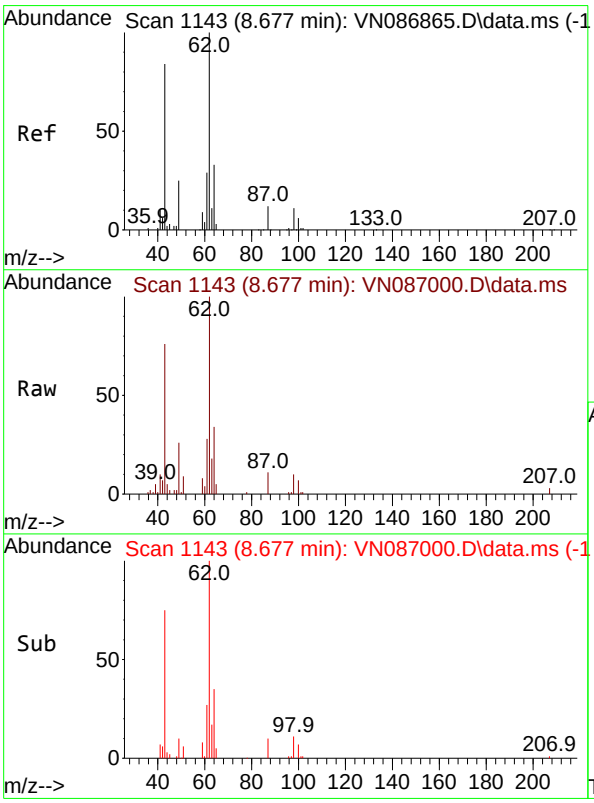
Ion	Ratio	Lower	Upper
41	100		
39	49.6	41.2	61.8
67	81.7	61.4	92.2
52	28.6	22.7	34.1



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

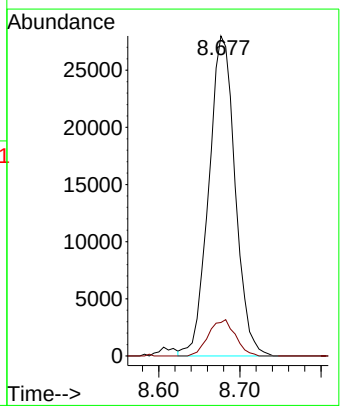
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

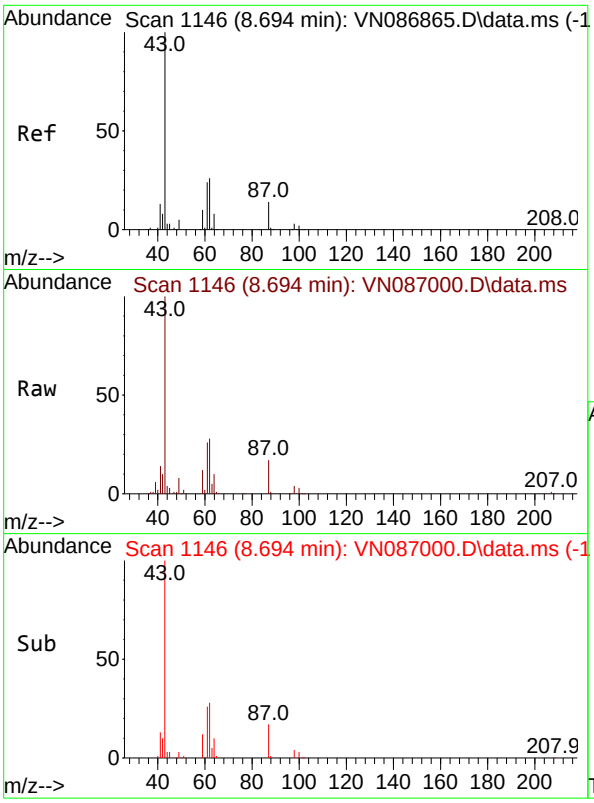


#42
1,2-Dichloroethane
Concen: 21.085 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 62 Resp: 63301

Ion	Ratio	Lower	Upper
62	100		
98	11.5	0.0	21.2





#43
Isopropyl Acetate
Concen: 19.266 ug/l
RT: 8.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

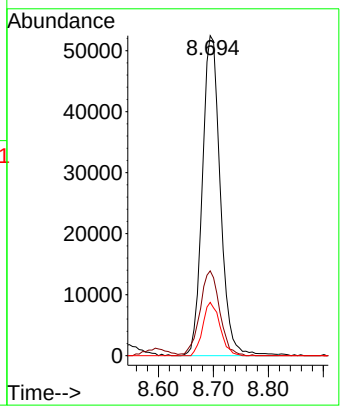
Tgt Ion: 43 Resp: 11915

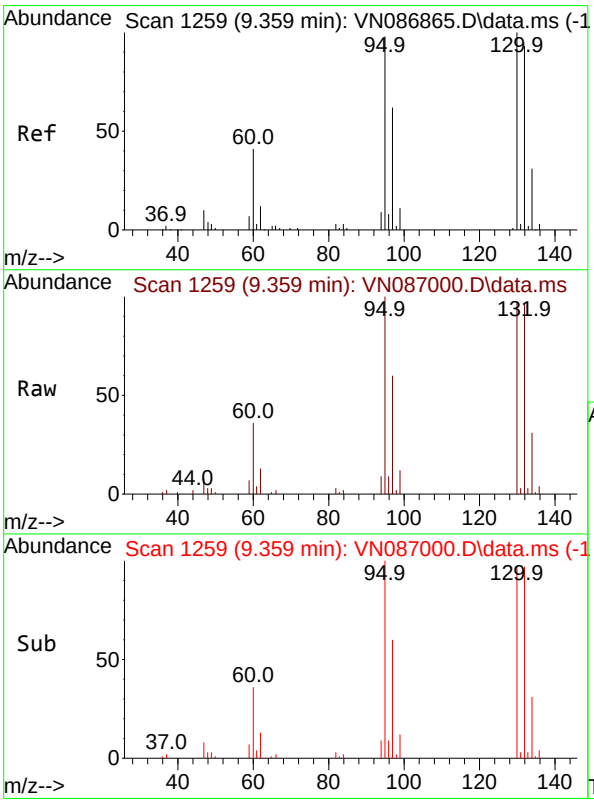
Ion	Ratio	Lower	Upper
43	100		
61	29.2	22.1	33.1
87	16.0	11.8	17.6

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

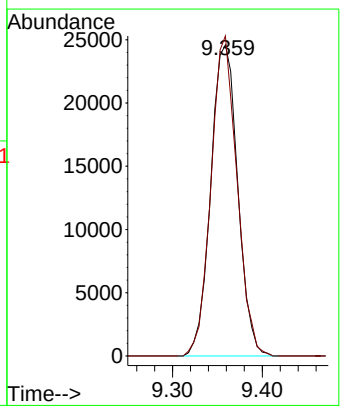


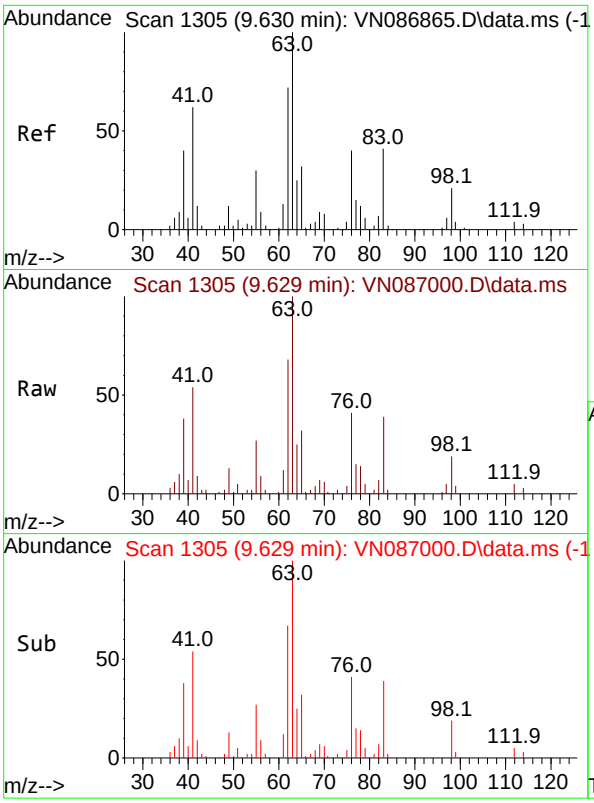


#44
Trichloroethene
Concen: 21.858 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:130 Resp: 51301

Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	196.2

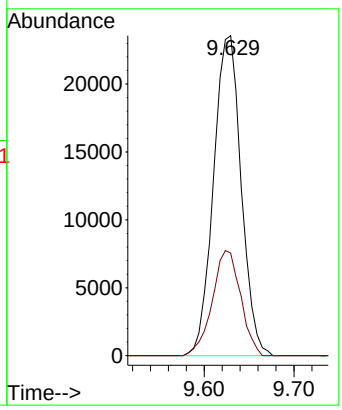




#45
1,2-Dichloropropane
Concen: 20.928 ug/l
RT: 9.629 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 63 Resp: 5039

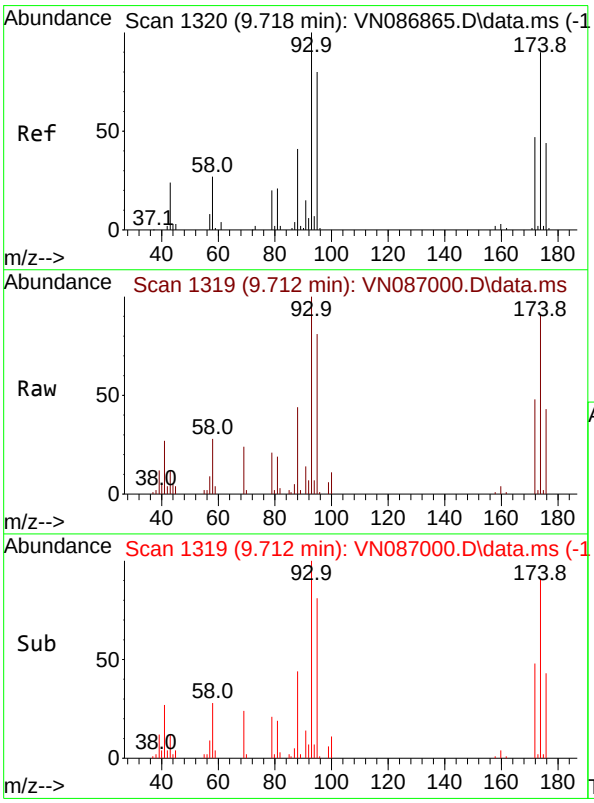
Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

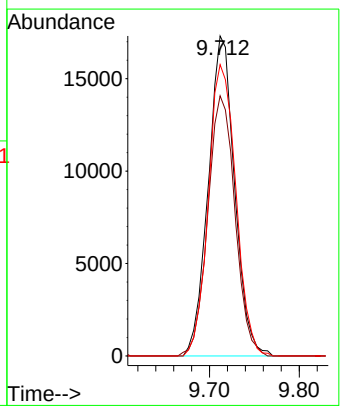
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

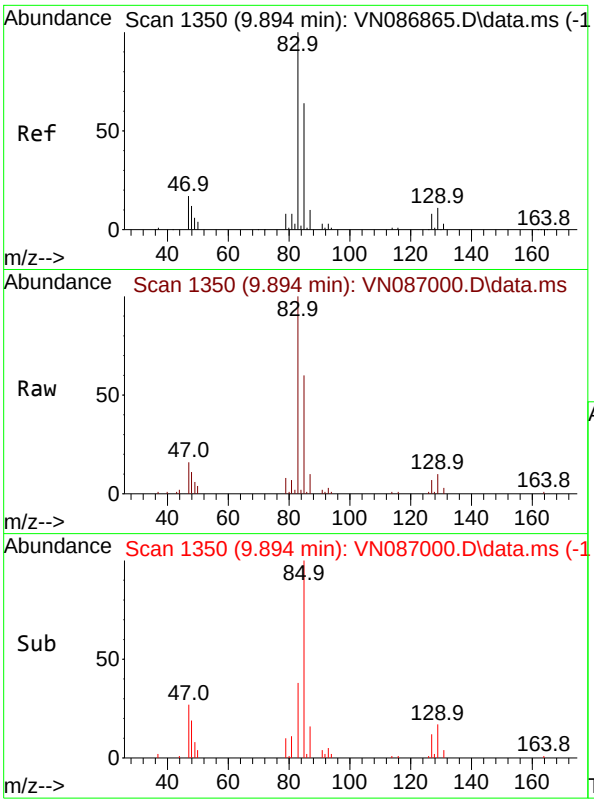


#46
Dibromomethane
Concen: 22.048 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 93 Resp: 35265

Ion	Ratio	Lower	Upper
93	100		
95	83.9	67.1	100.7
174	94.8	74.2	111.4

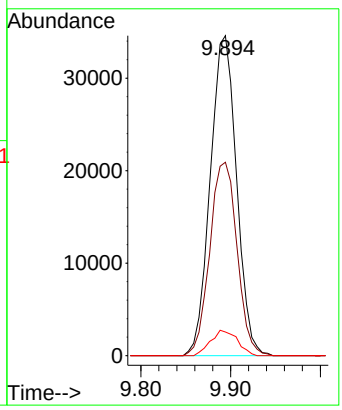




#47
Bromodichloromethane
Concen: 21.365 ug/l
RT: 9.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 83 Resp: 7030

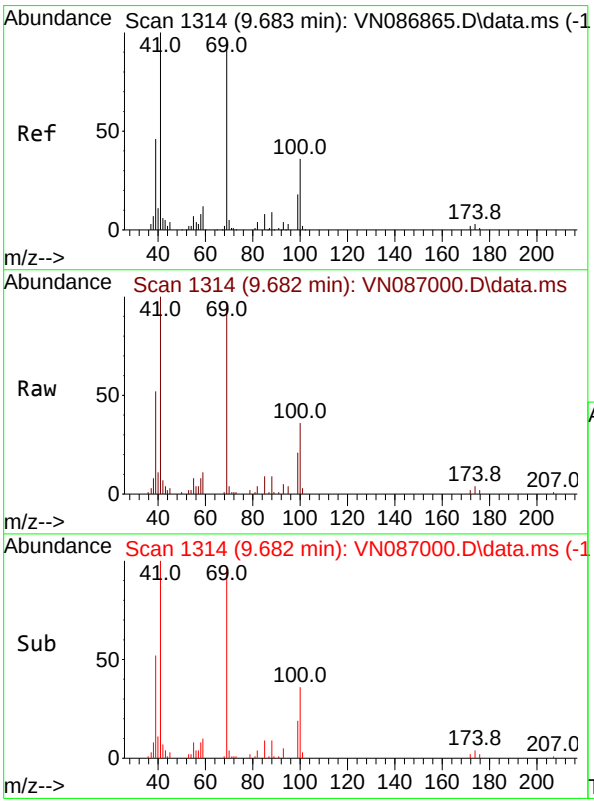
Ion	Ratio	Lower	Upper
83	100		
85	60.4	50.9	76.3
127	7.4	6.6	10.0



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

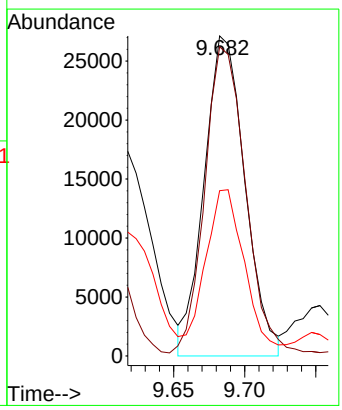
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

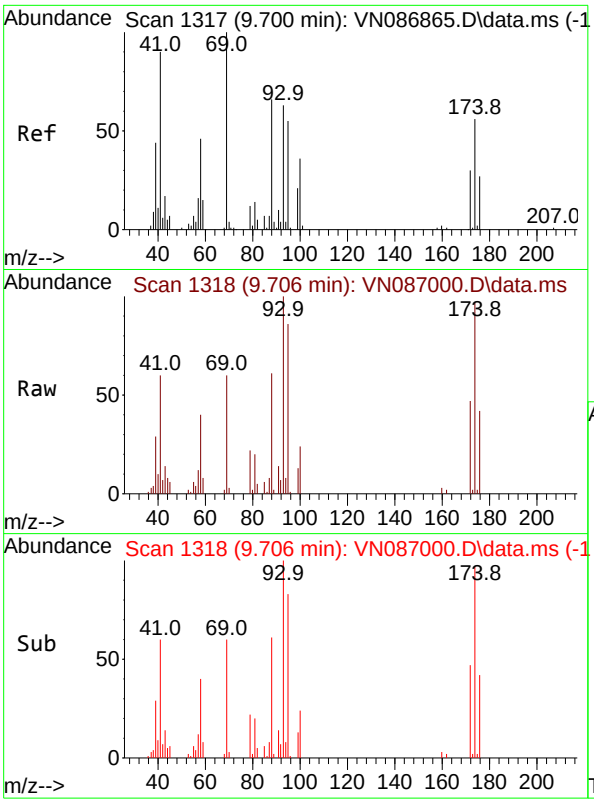


#48
Methyl methacrylate
Concen: 19.036 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 41 Resp: 54185

Ion	Ratio	Lower	Upper
41	100		
69	99.0	74.6	112.0
39	51.0	40.2	60.4





#49
1,4-Dioxane
Concen: 415.962 ug/l
RT: 9.706 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

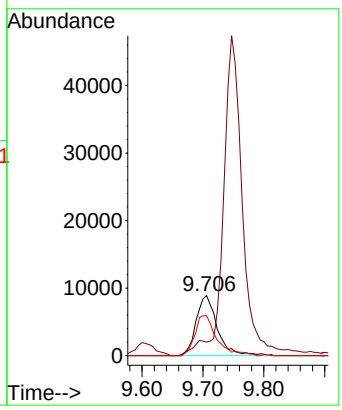
Tgt Ion: 88 Resp: 2154

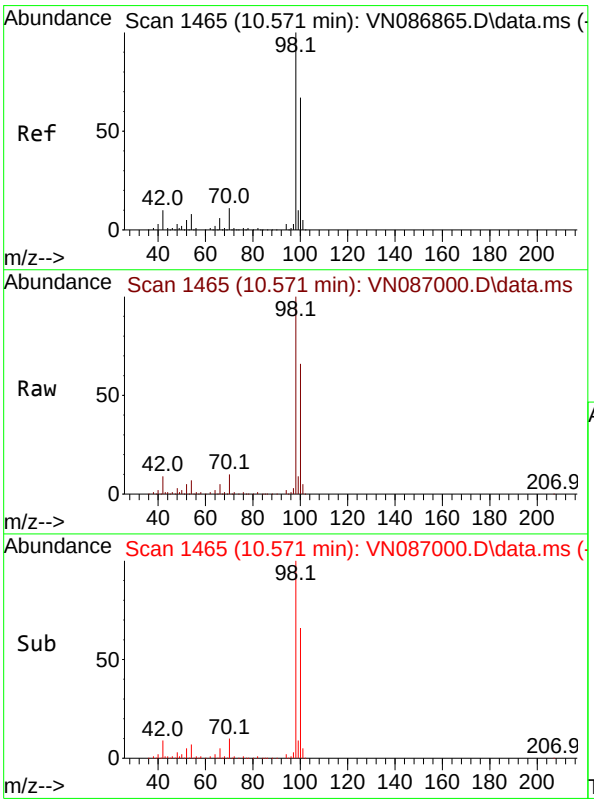
Ion	Ratio	Lower	Upper
88	100		
43	17.4	0.0	0.0
58	68.3	57.7	86.5

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

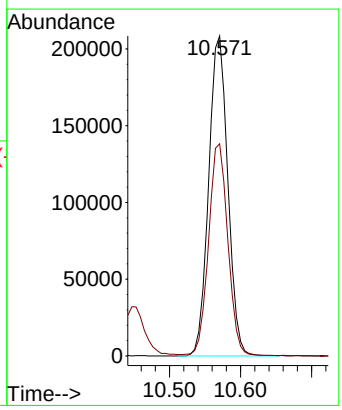


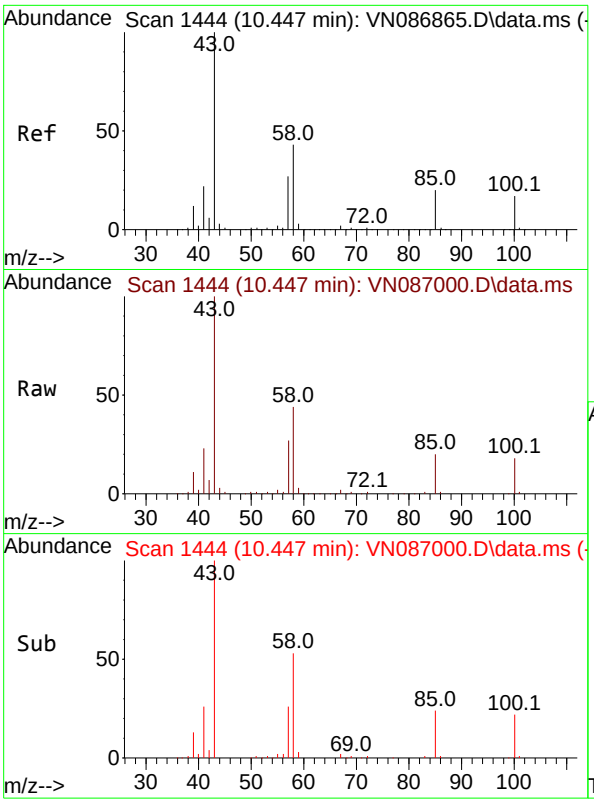


#50
Toluene-d8
Concen: 48.506 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 98 Resp: 390057

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.4	80.0





#51
4-Methyl-2-Pentanone
Concen: 99.165 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

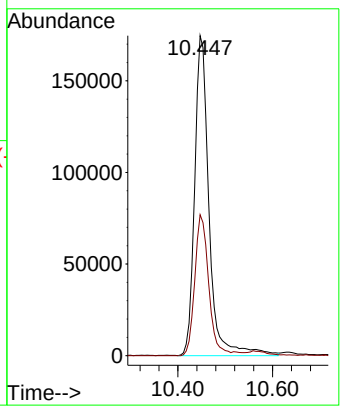
Tgt Ion: 43 Resp: 36919

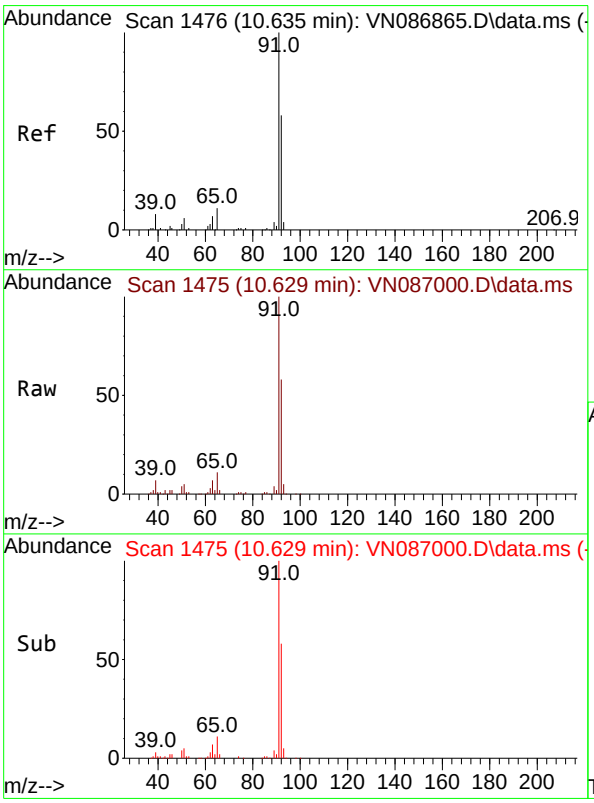
Ion	Ratio	Lower	Upper
43	100		
58	42.4	34.2	51.4

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

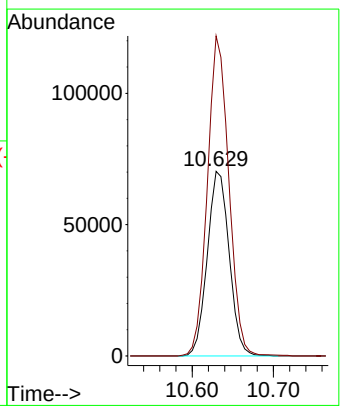


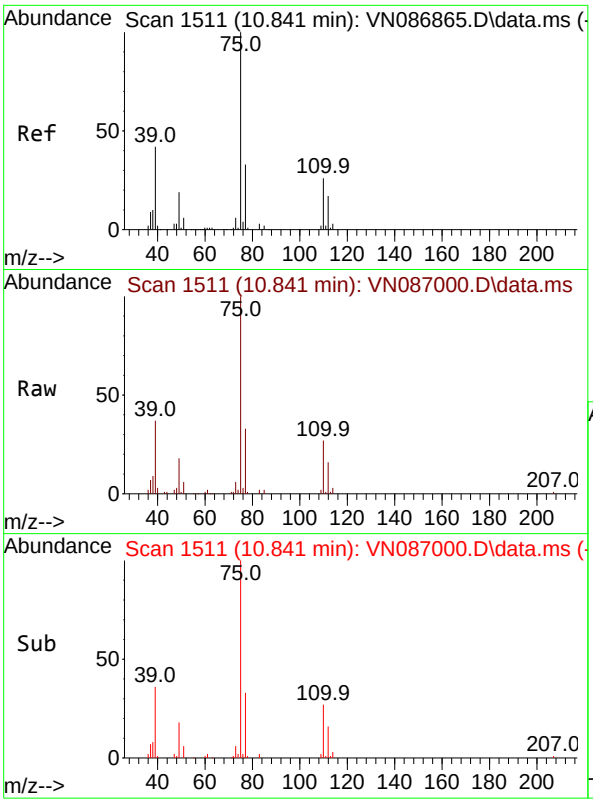


#52
Toluene
Concen: 21.764 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 92 Resp: 131650

Ion	Ratio	Lower	Upper
92	100		
91	169.7	136.5	204.7





#53
t-1,3-Dichloropropene
Concen: 21.076 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

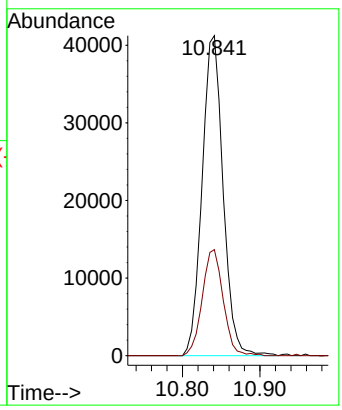
Tgt Ion: 75 Resp: 7755

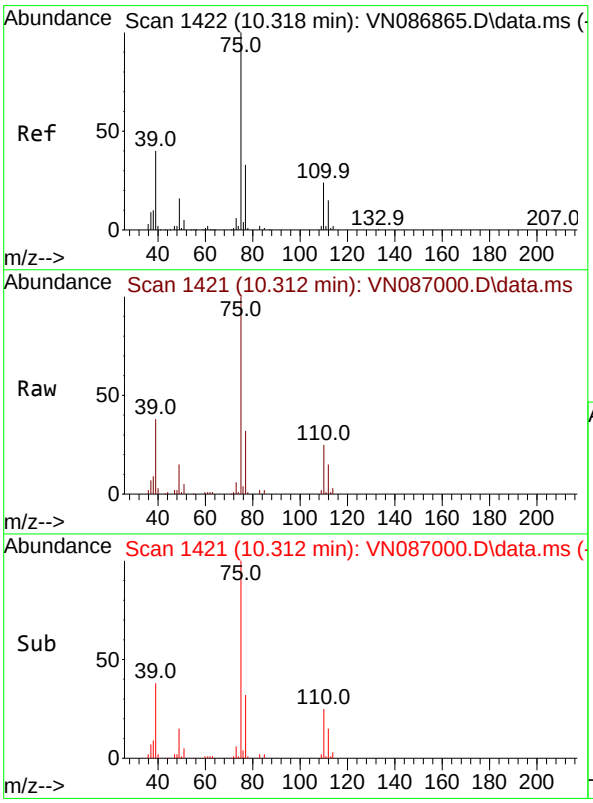
Ion	Ratio	Lower	Upper
75	100		
77	33.2	26.4	39.6

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

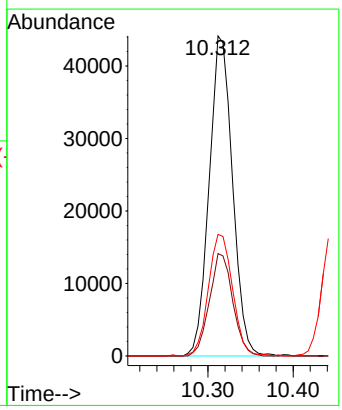


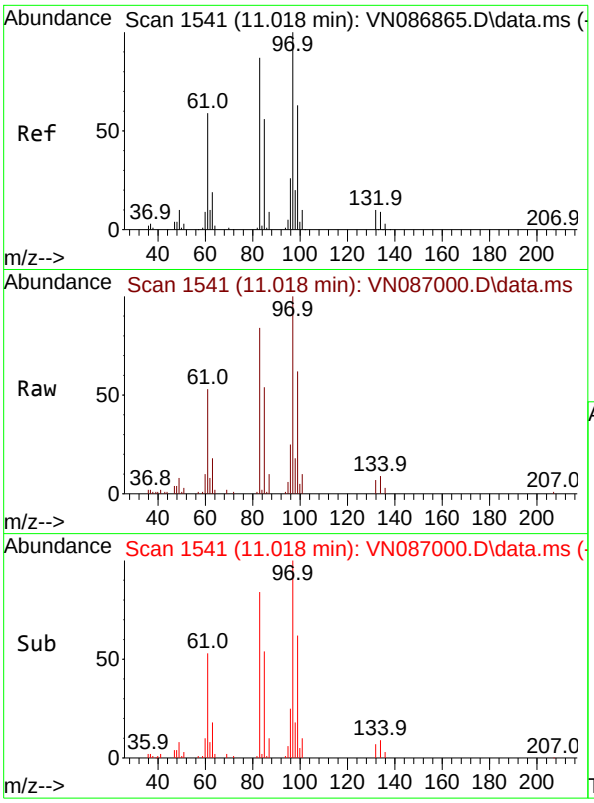


#54
cis-1,3-Dichloropropene
Concen: 21.333 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 75 Resp: 83996

Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.2	39.4
39	38.0	32.3	48.5

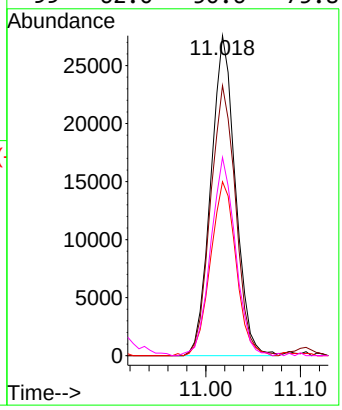




#55
1,1,2-Trichloroethane
Concen: 21.297 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 97 Resp: 4956

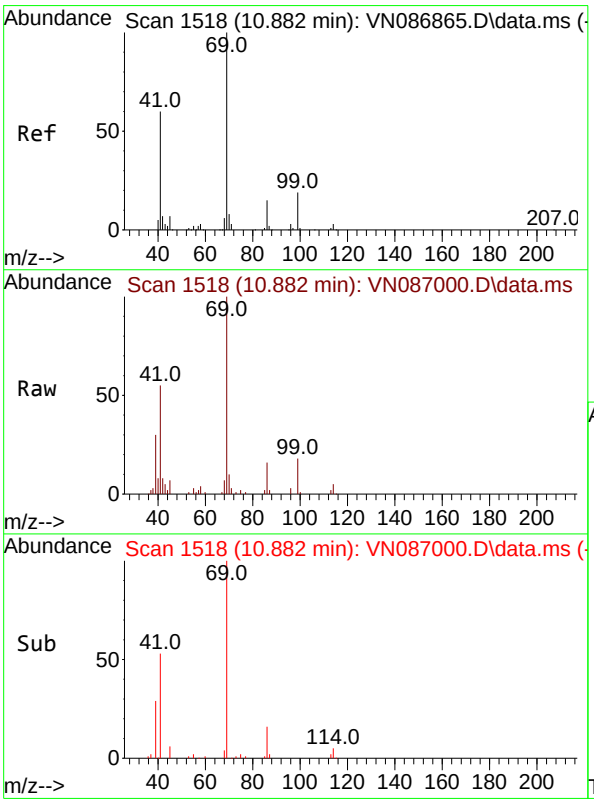
Ion	Ratio	Lower	Upper
97	100		
83	84.4	69.7	104.5
85	54.4	45.1	67.7
99	62.0	50.6	75.8



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

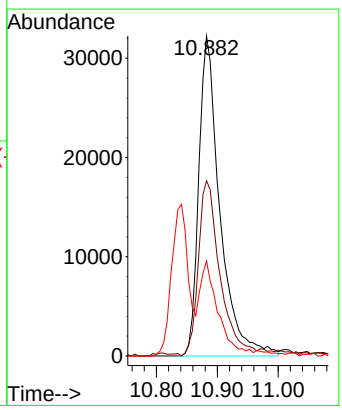
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

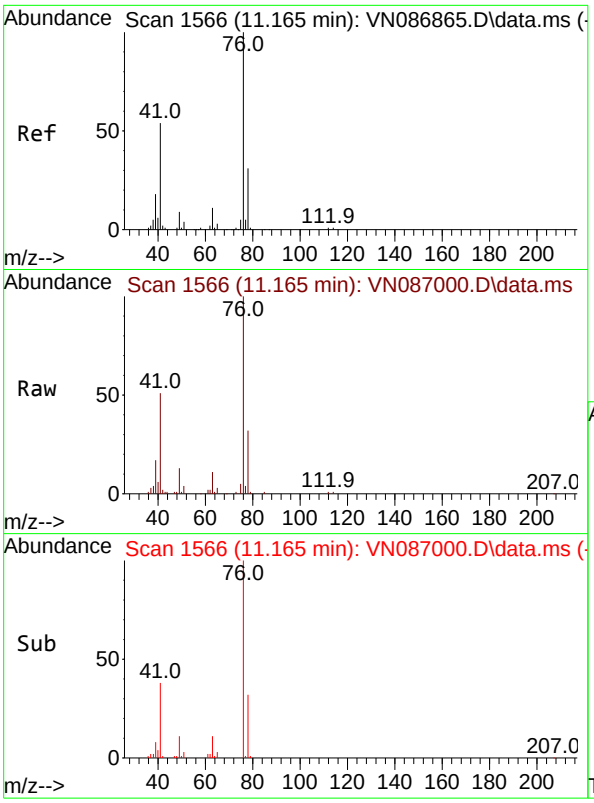


#56
Ethyl methacrylate
Concen: 20.928 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 69 Resp: 77585

Ion	Ratio	Lower	Upper
69	100		
41	56.0	47.2	70.8
39	25.5	23.0	34.6





#57
1,3-Dichloropropane
Concen: 21.141 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

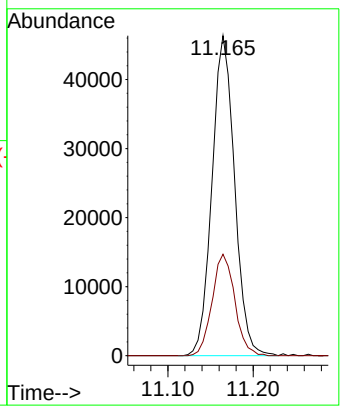
Tgt Ion: 76 Resp: 8536

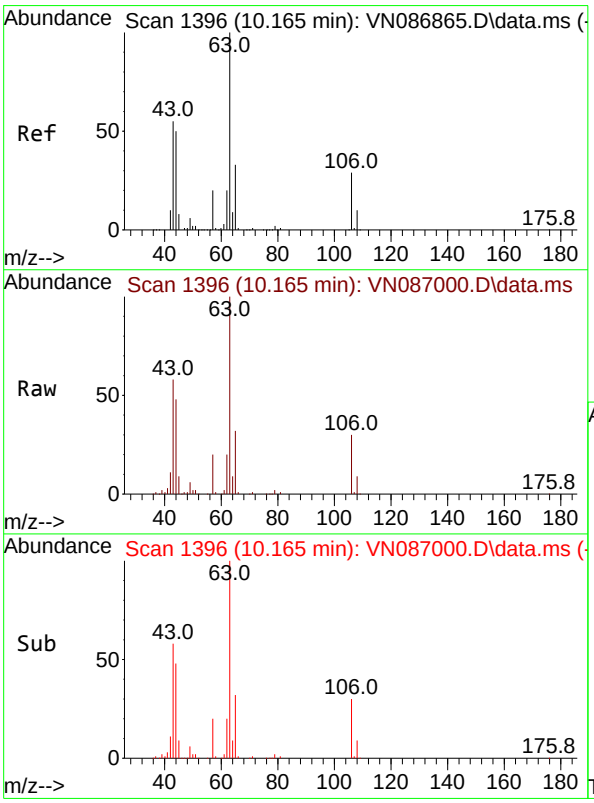
Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.3	37.9

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

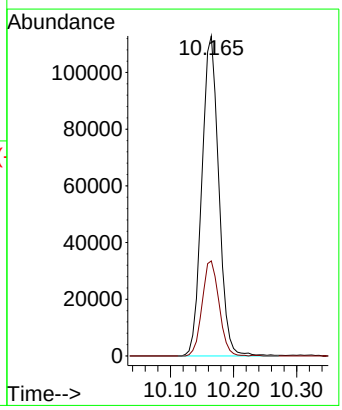


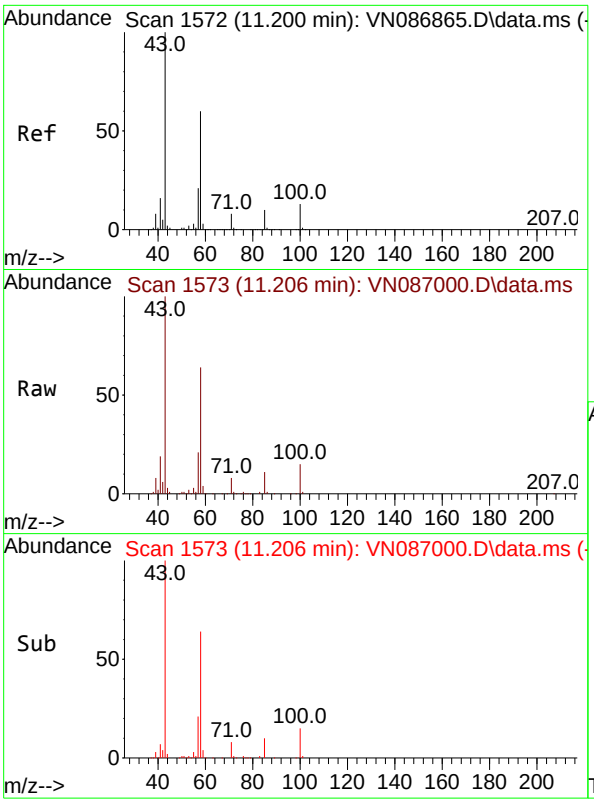


#58
2-Chloroethyl Vinyl ether
Concen: 94.760 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 63 Resp: 209528

Ion	Ratio	Lower	Upper
63	100		
106	29.7	23.0	34.6





#59
2-Hexanone
Concen: 89.728 ug/l
RT: 11.206 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

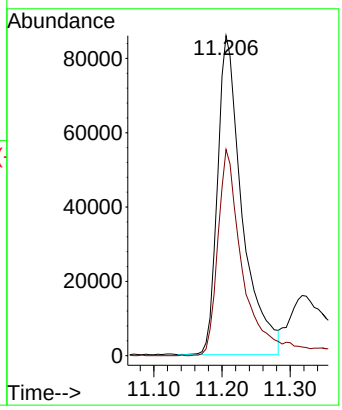
Tgt Ion: 43 Resp: 21518

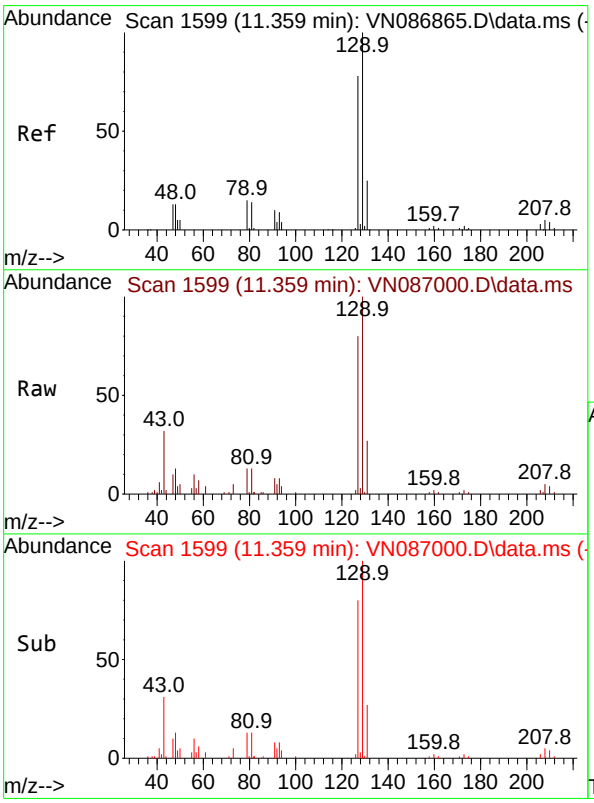
Ion	Ratio	Lower	Upper
43	100		
58	66.2	30.4	91.3

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

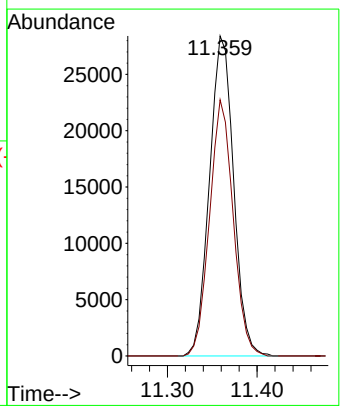


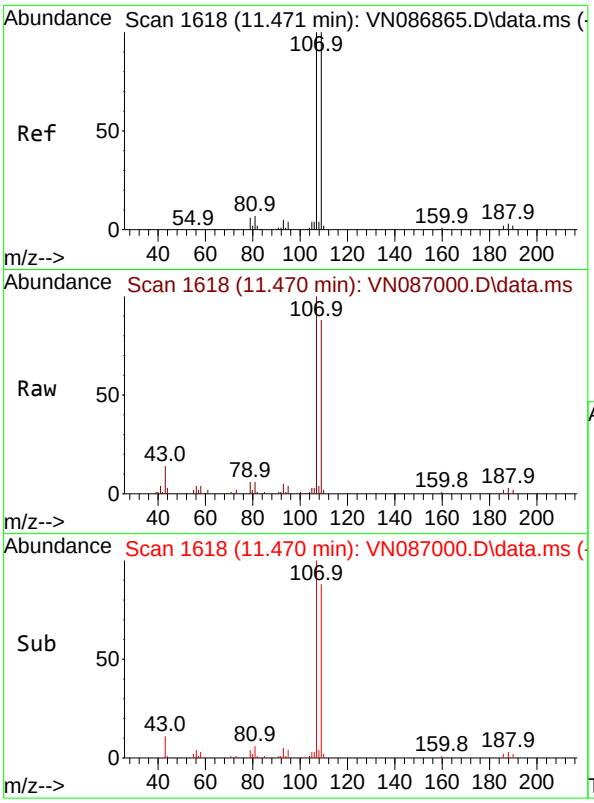


#60
Dibromochloromethane
Concen: 21.878 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:129 Resp: 53055

Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.6	115.8

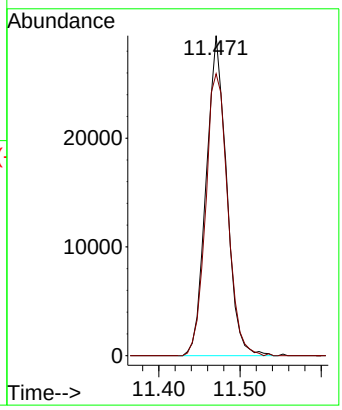




#61
1,2-Dibromoethane
Concen: 21.576 ug/l
RT: 11.470 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:107 Resp: 5147

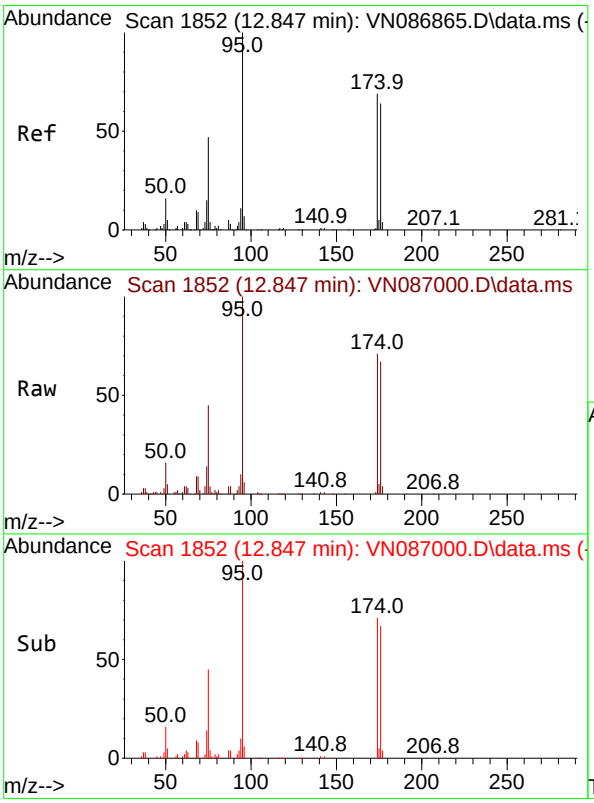
Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.3	114.5



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

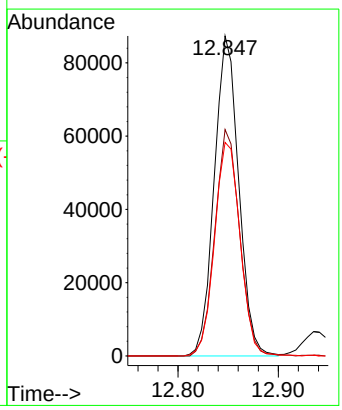
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

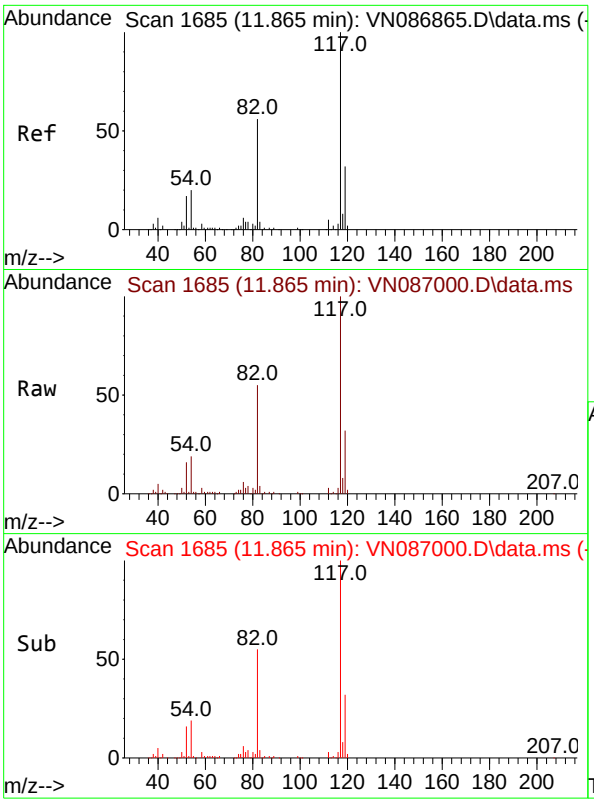


#62
4-Bromofluorobenzene
Concen: 49.545 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 95 Resp: 148021

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	141.8
176	69.9	0.0	132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

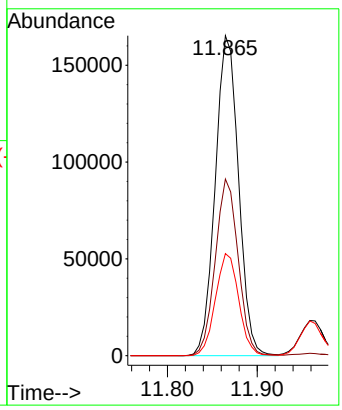
Tgt Ion:117 Resp: 29793

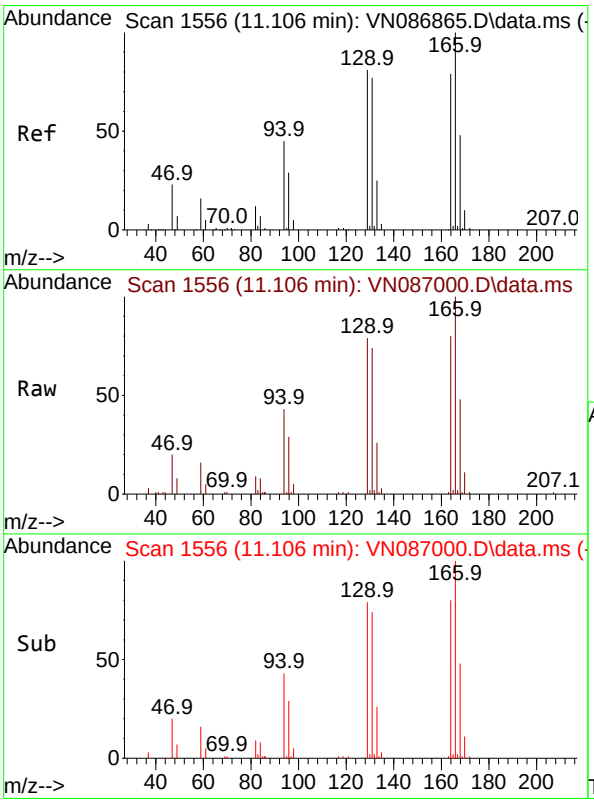
Ion	Ratio	Lower	Upper
117	100		
82	55.2	44.6	67.0
119	31.9	25.5	38.3

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

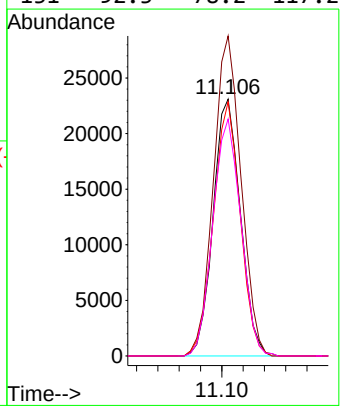


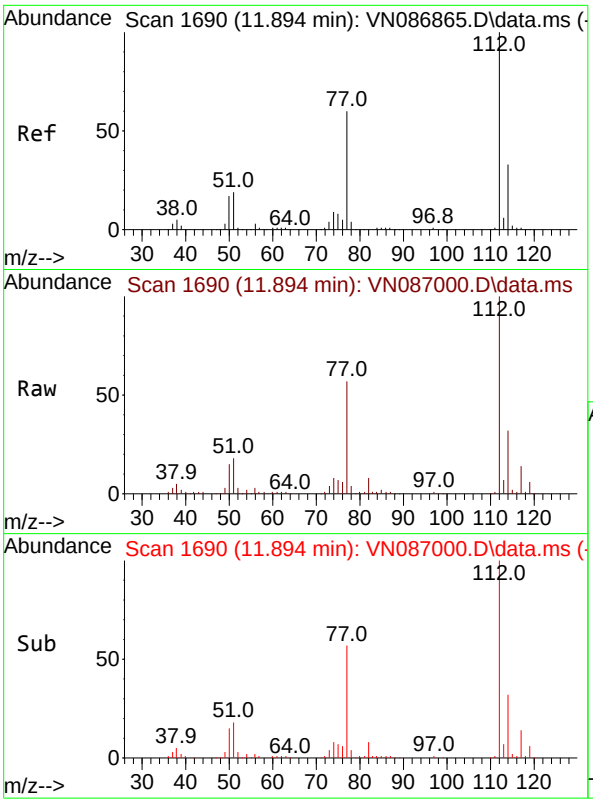


#64
Tetrachloroethene
Concen: 21.749 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:164 Resp: 41009

Ion	Ratio	Lower	Upper
164	100		
166	124.6	101.8	152.8
129	99.0	83.0	124.4
131	92.3	78.2	117.2

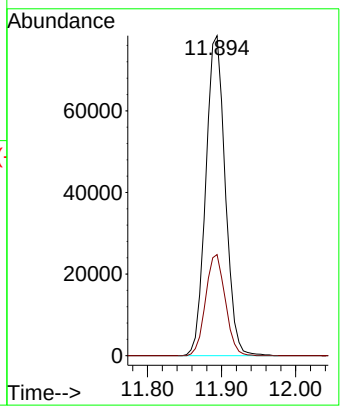




#65
Chlorobenzene
Concen: 21.690 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:112 Resp: 14252

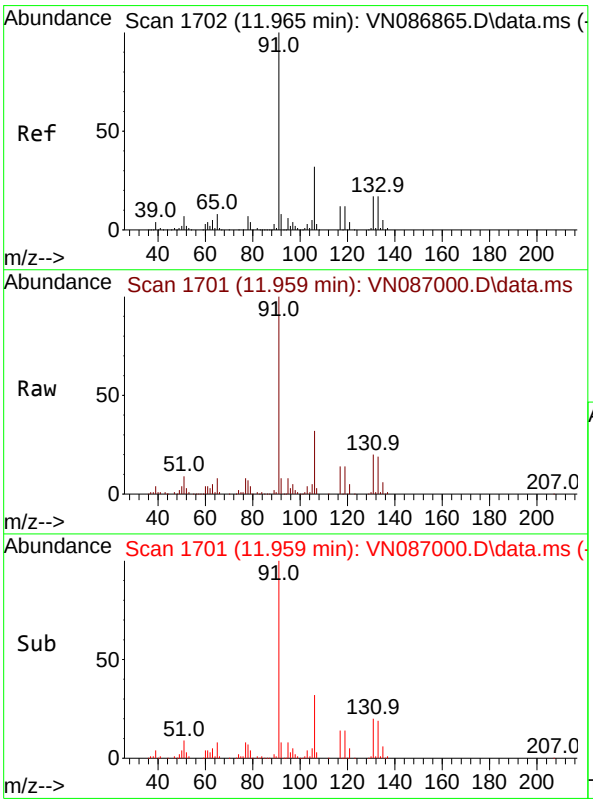
Ion	Ratio	Lower	Upper
112	100		
114	31.6	26.2	39.2



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

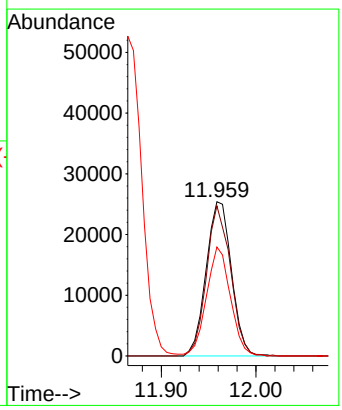
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

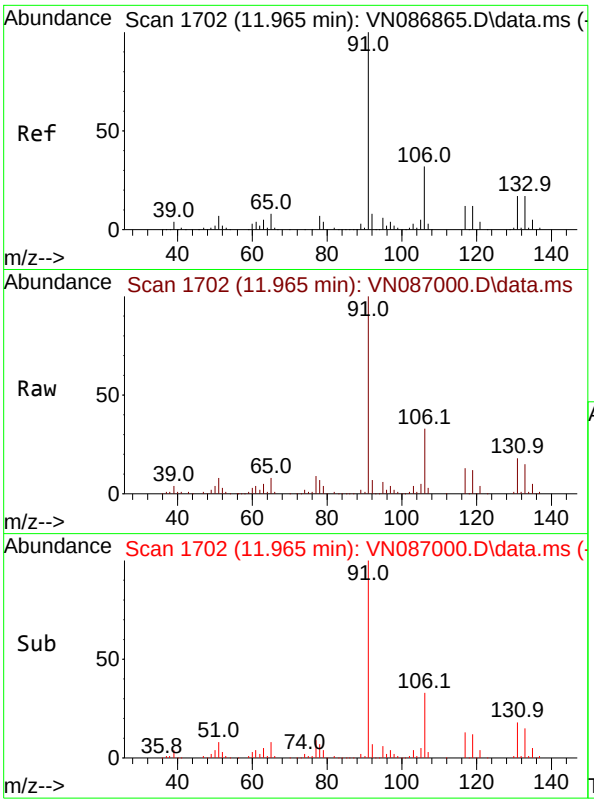


#66
1,1,1,2-Tetrachloroethane
Concen: 22.303 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:131 Resp: 47110

Ion	Ratio	Lower	Upper
131	100		
133	92.6	48.3	144.8
119	66.6	34.0	101.8





#67
Ethyl Benzene
Concen: 21.311 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

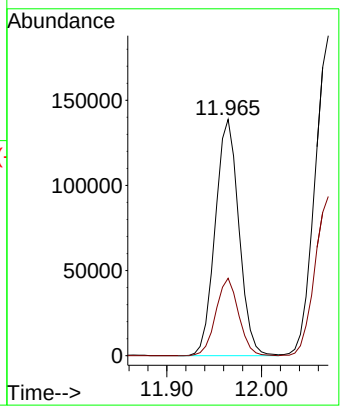
Tgt Ion: 91 Resp: 24120

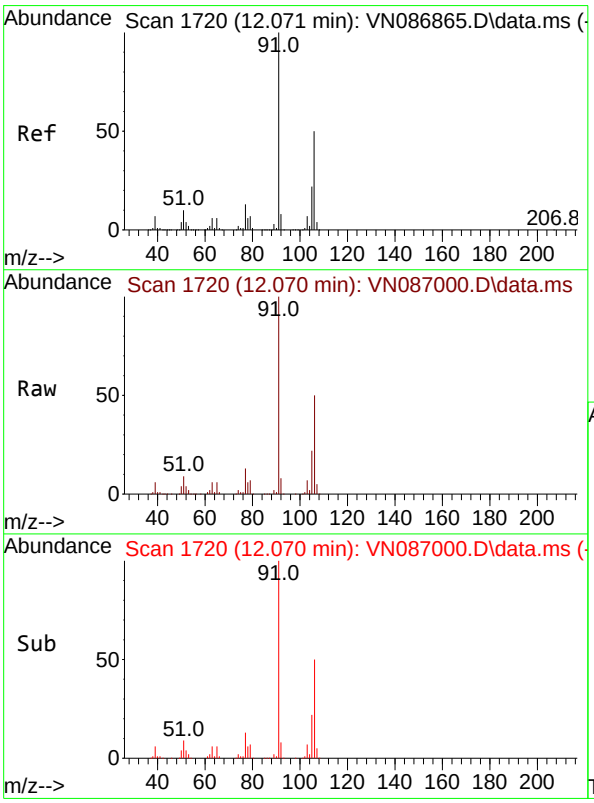
Ion	Ratio	Lower	Upper
91	100		
106	32.8	25.4	38.2

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

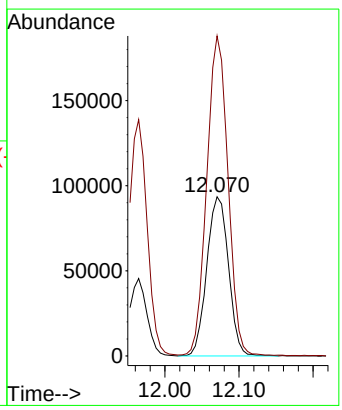


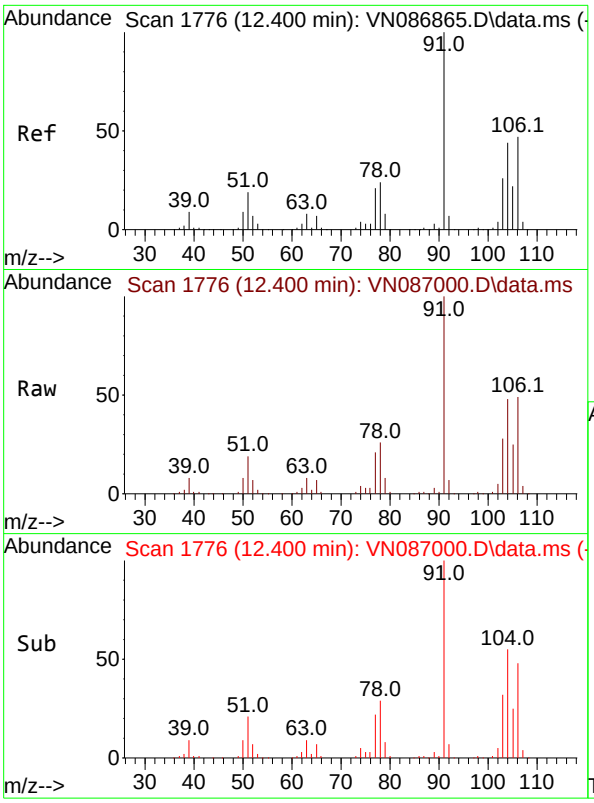


#68
m/p-Xylenes
Concen: 43.908 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:106 Resp: 190243

Ion	Ratio	Lower	Upper
106	100		
91	196.4	159.4	239.0





#69
o-Xylene
Concen: 21.969 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

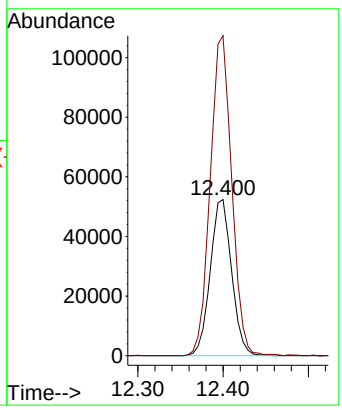
Tgt Ion:106 Resp: 9116

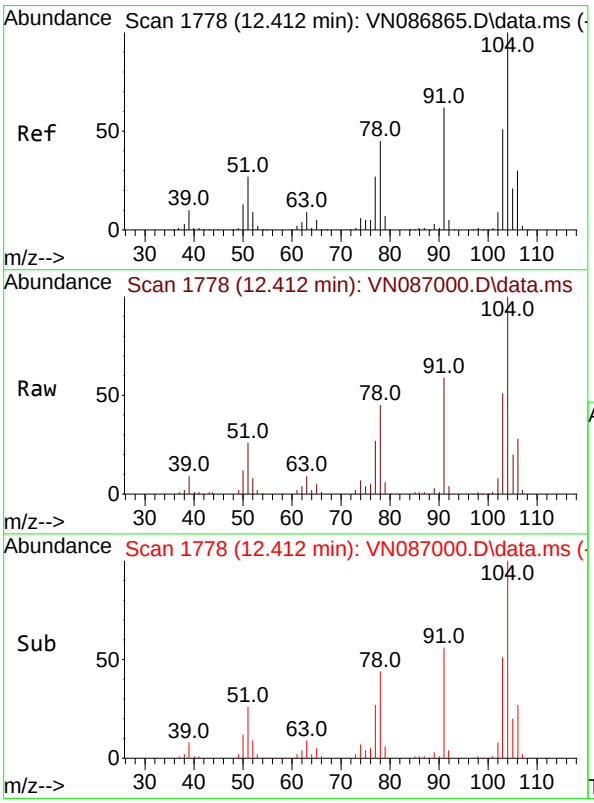
Ion	Ratio	Lower	Upper
106	100		
91	206.3	106.1	318.1

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

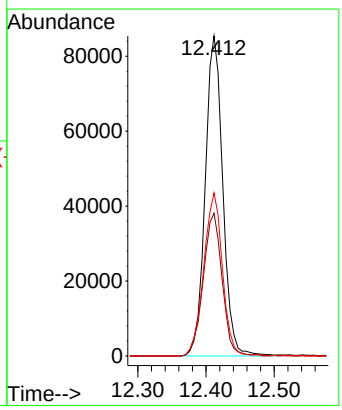


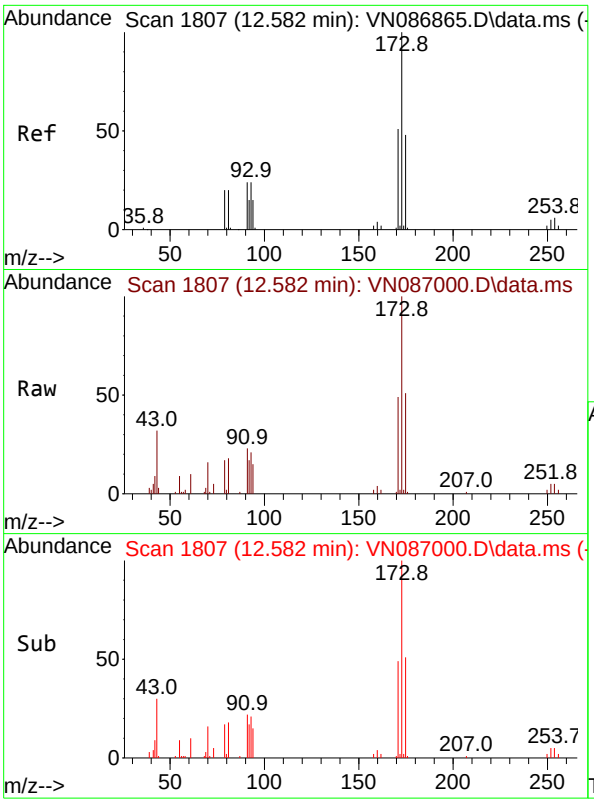


#70
Styrene
Concen: 21.602 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:104 Resp: 153392

Ion	Ratio	Lower	Upper
104	100		
78	47.9	38.5	57.7
103	54.2	43.1	64.7





#71
Bromoform
Concen: 22.662 ug/l
RT: 12.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

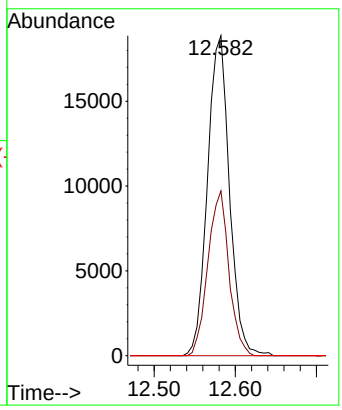
Tgt Ion:173 Resp: 3546

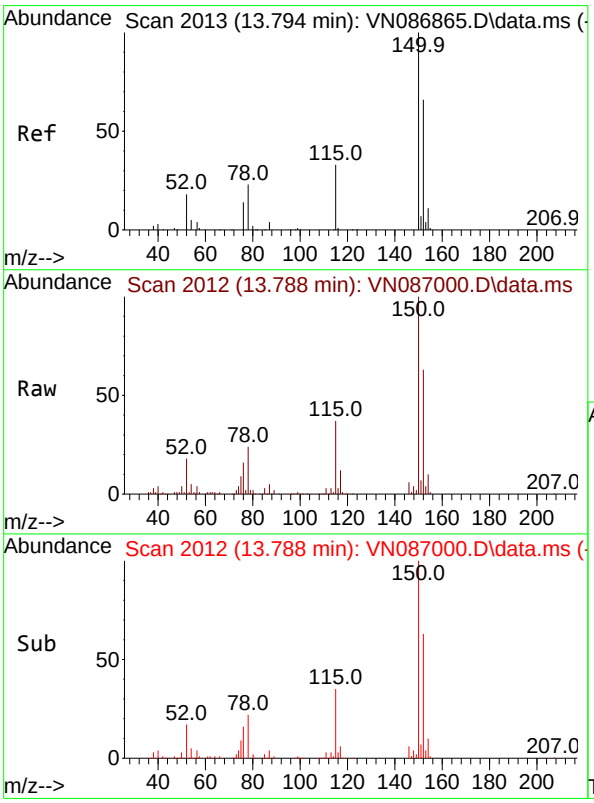
Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.1	72.4
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

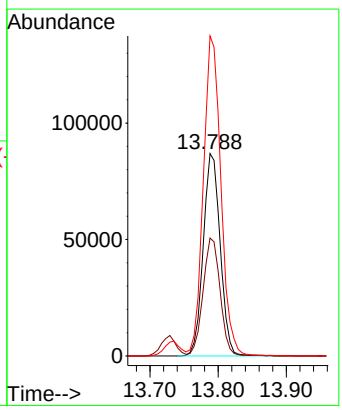


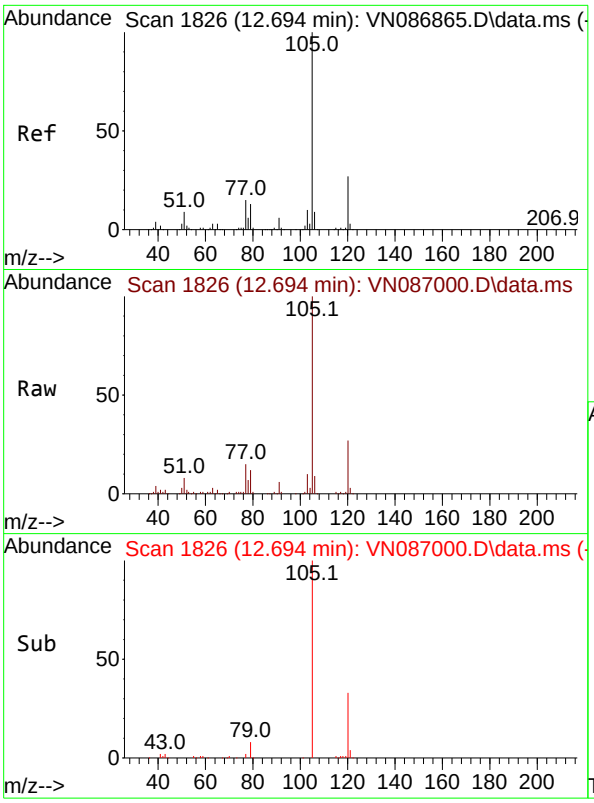


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:152 Resp: 150656

Ion	Ratio	Lower	Upper
152	100		
115	58.0	30.1	90.5
150	163.6	0.0	345.0





#73
Isopropylbenzene
Concen: 20.334 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

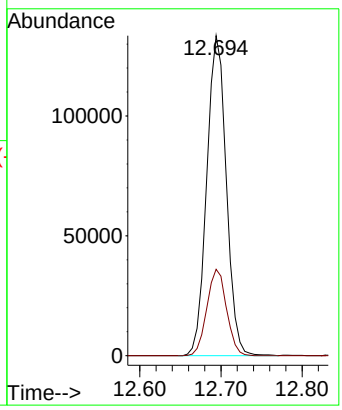
Tgt Ion:105 Resp: 22317

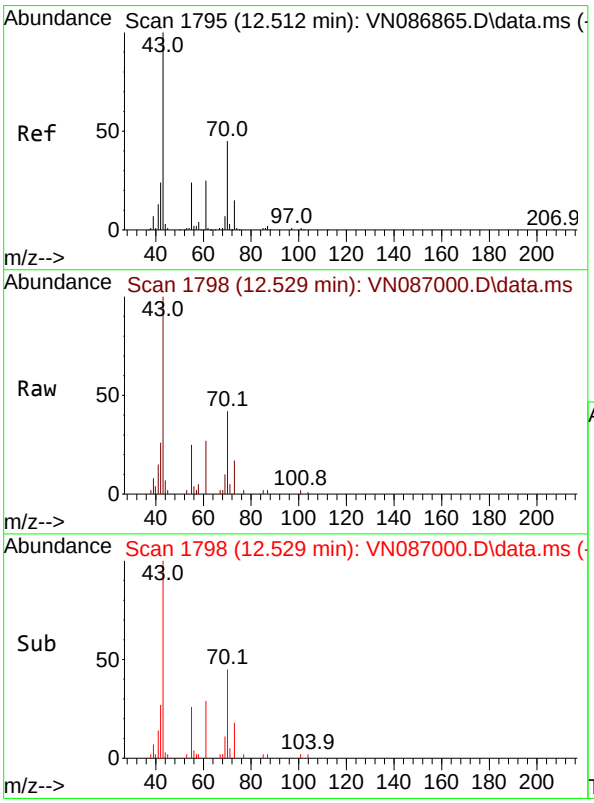
Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.5	40.4

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

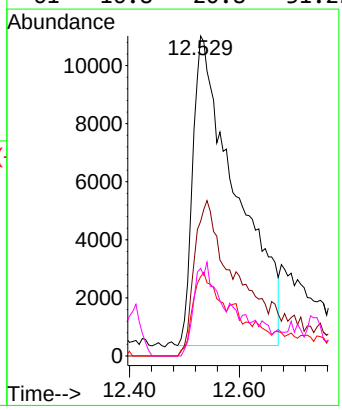


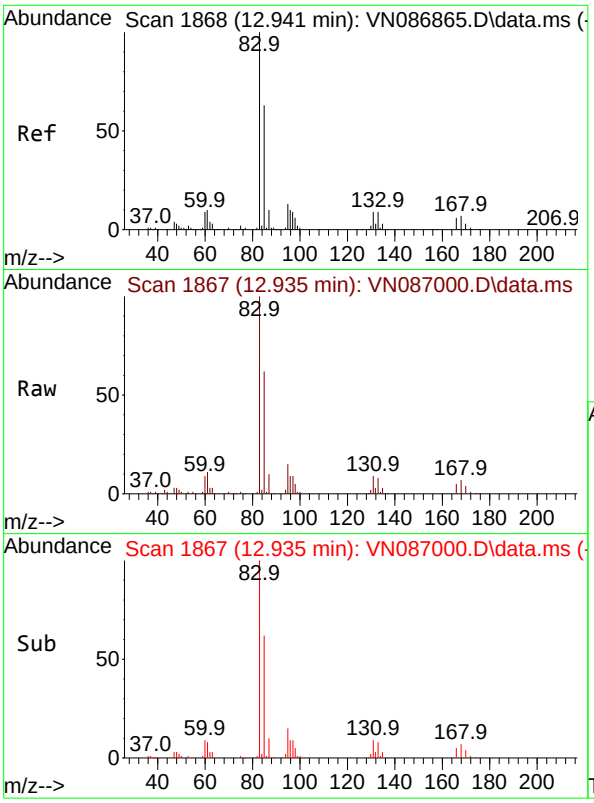


#74
N-amyl acetate
Concen: 15.245 ug/l
RT: 12.529 min Scan# 1798
Delta R.T. 0.017 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 43 Resp: 58468

Ion	Ratio	Lower	Upper
43	100		
70	47.6	37.6	56.4
55	16.3	19.0	28.6#
61	16.8	20.8	31.2#

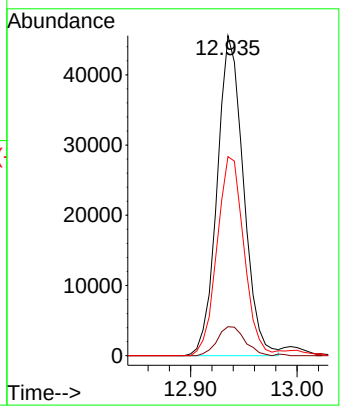




#75
1,1,2,2-Tetrachloroethane
Concen: 21.038 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 83 Resp: 7822

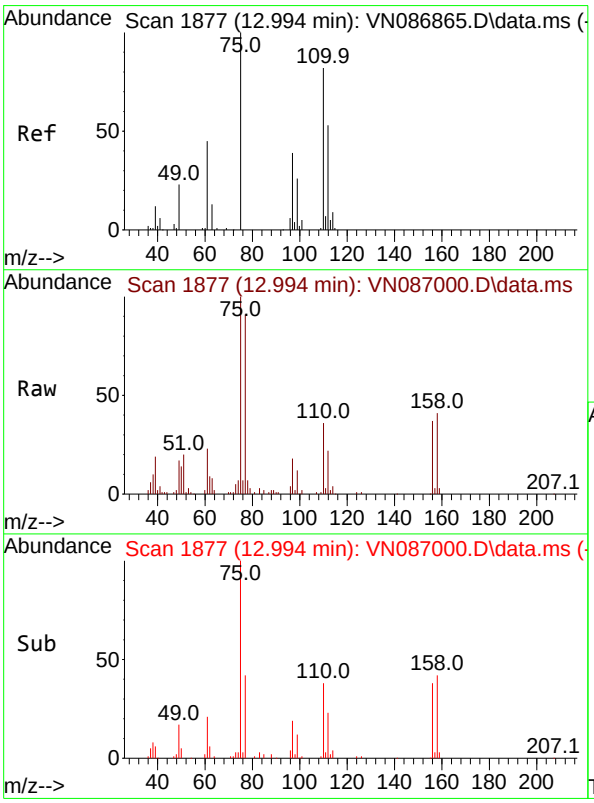
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	63.5	32.0	96.0



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

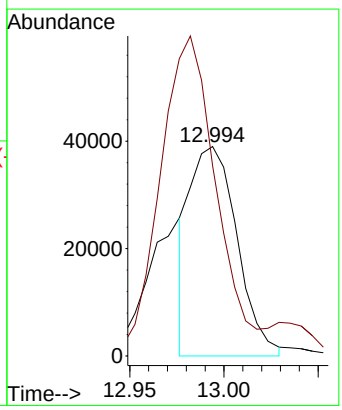
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

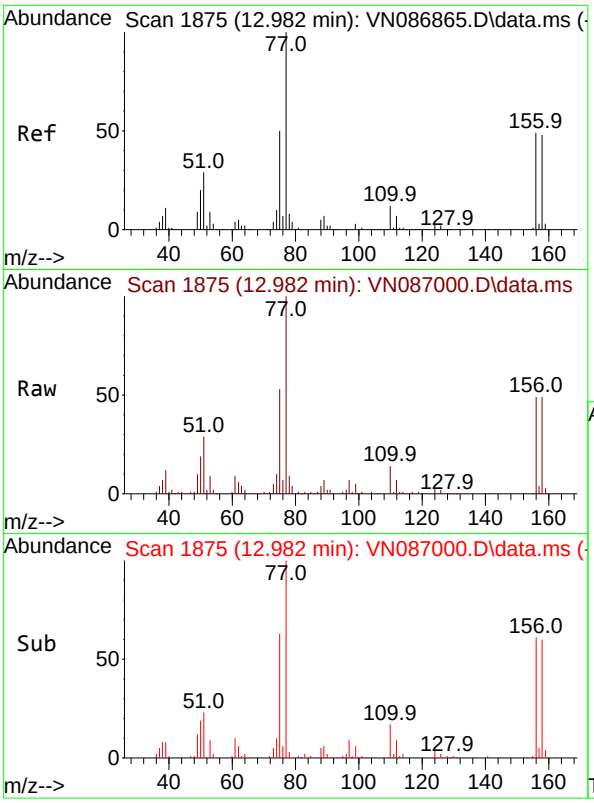


#76
1,2,3-Trichloropropane
Concen: 18.866 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 75 Resp: 67561

Ion	Ratio	Lower	Upper
75	100		
77	181.8	79.3	237.9

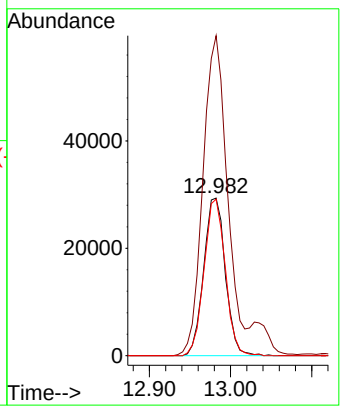




#77
Bromobenzene
Concen: 21.546 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:156 Resp: 5423

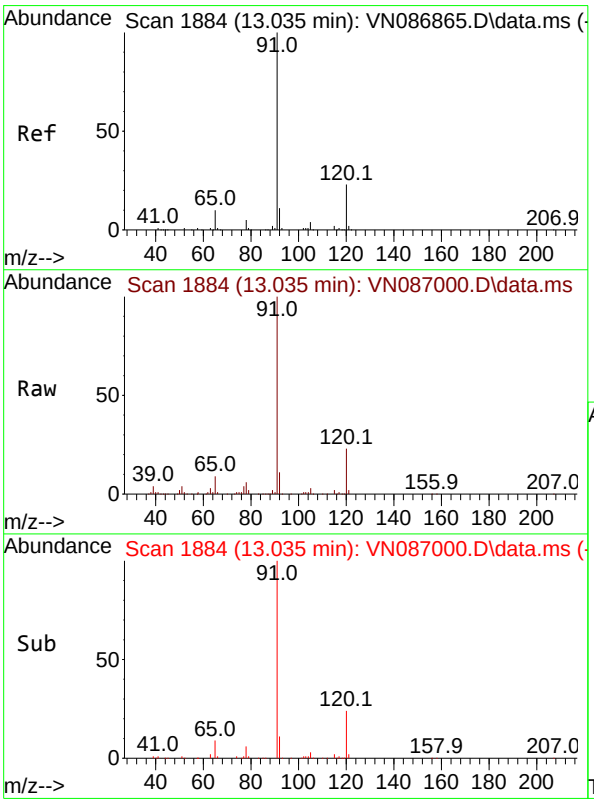
Ion	Ratio	Lower	Upper
156	100		
77	226.5	117.7	353.1
158	97.7	48.1	144.4



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

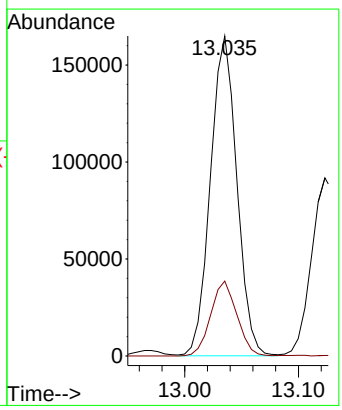
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

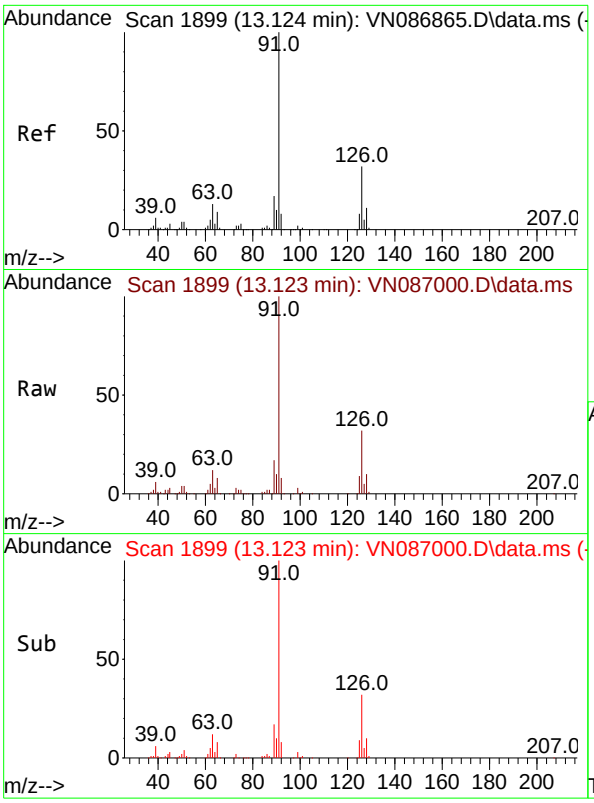


#78
n-propylbenzene
Concen: 19.994 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 91 Resp: 266686

Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.4	34.2





#79
2-Chlorotoluene
Concen: 20.677 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

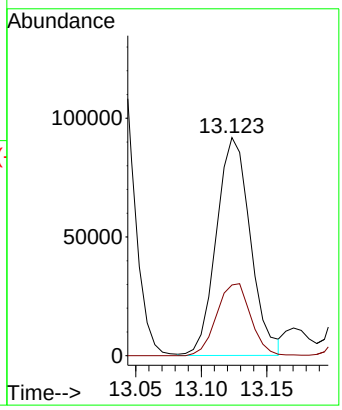
Tgt Ion: 91 Resp: 16539

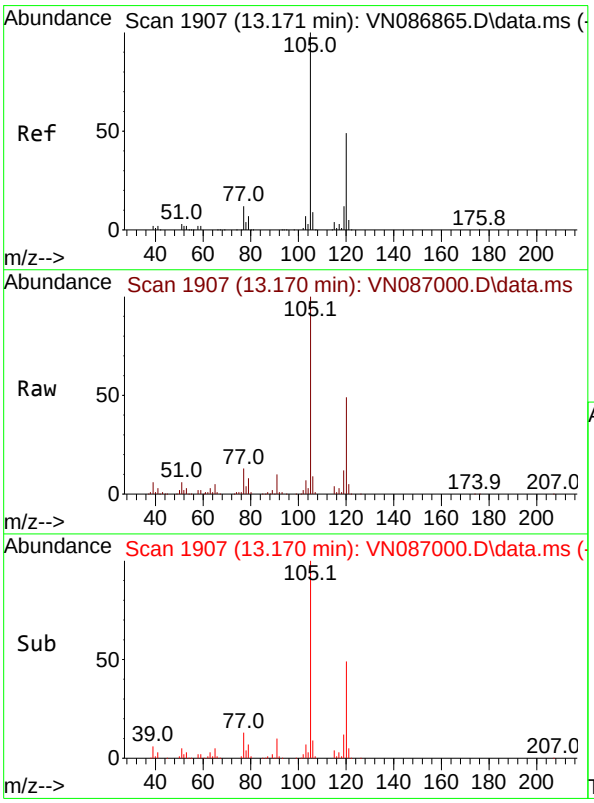
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.2	48.5

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

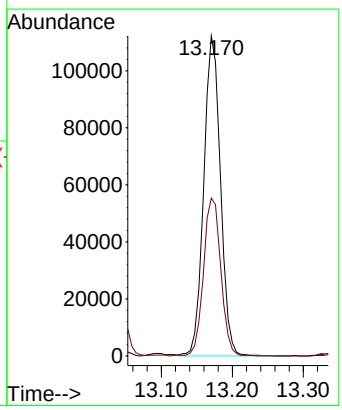


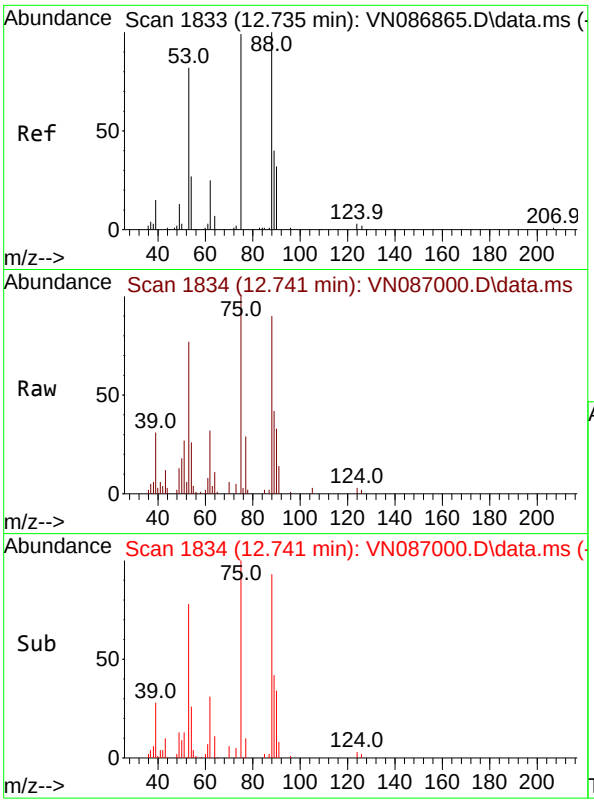


#80
1,3,5-Trimethylbenzene
Concen: 20.303 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:105 Resp: 183973

Ion	Ratio	Lower	Upper
105	100		
120	51.1	24.9	74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 19.814 ug/l
RT: 12.741 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

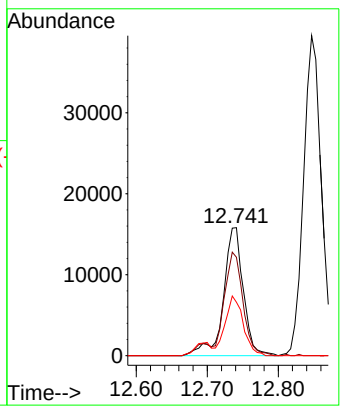
Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

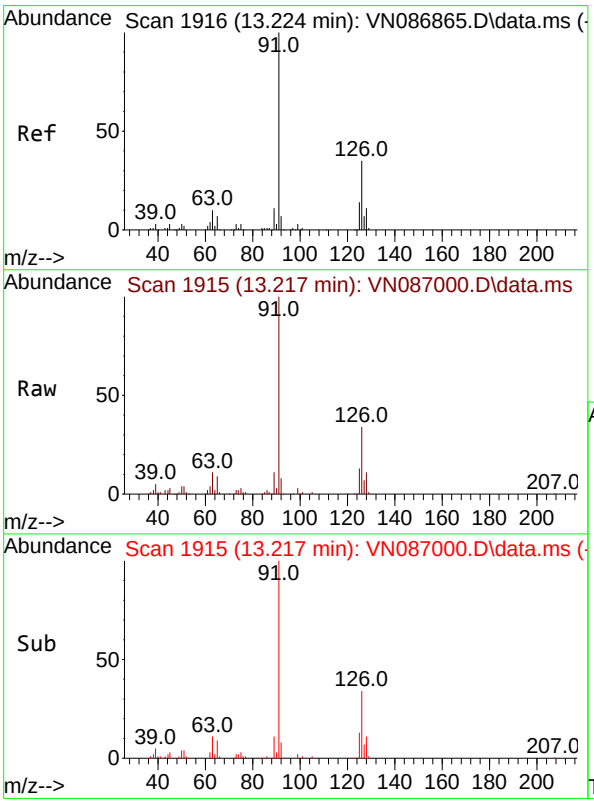
Tgt Ion: 75 Resp: 3082

Ion	Ratio	Lower	Upper
75	100		
53	75.3	66.6	99.8
89	42.9	36.7	55.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

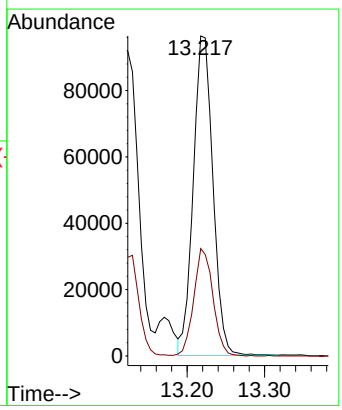


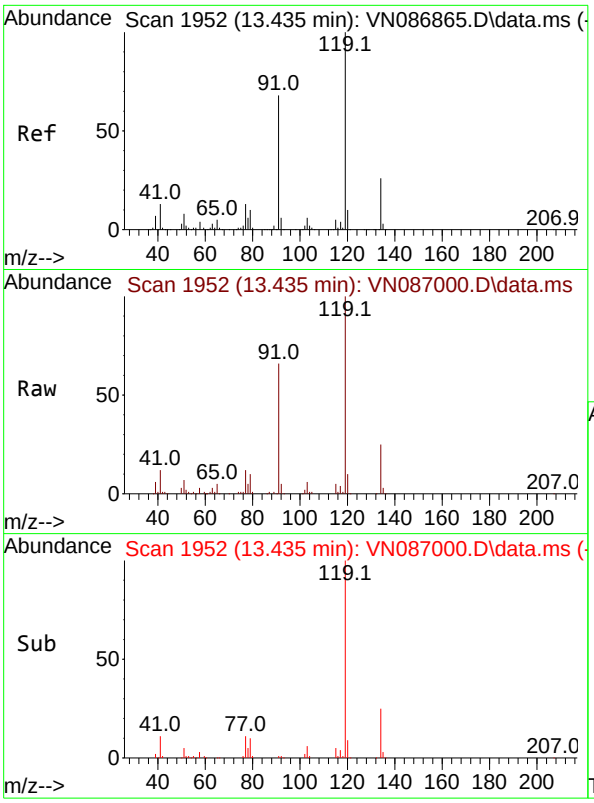


#82
4-Chlorotoluene
Concen: 20.919 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 91 Resp: 169312

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.7	50.1





#83
tert-Butylbenzene
Concen: 19.462 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

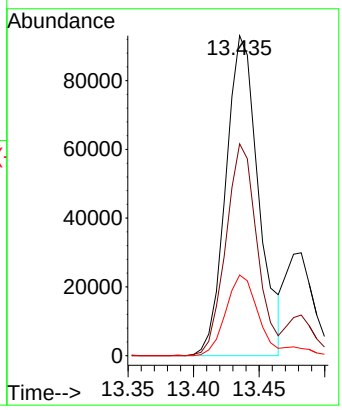
Tgt Ion:119 Resp: 16143

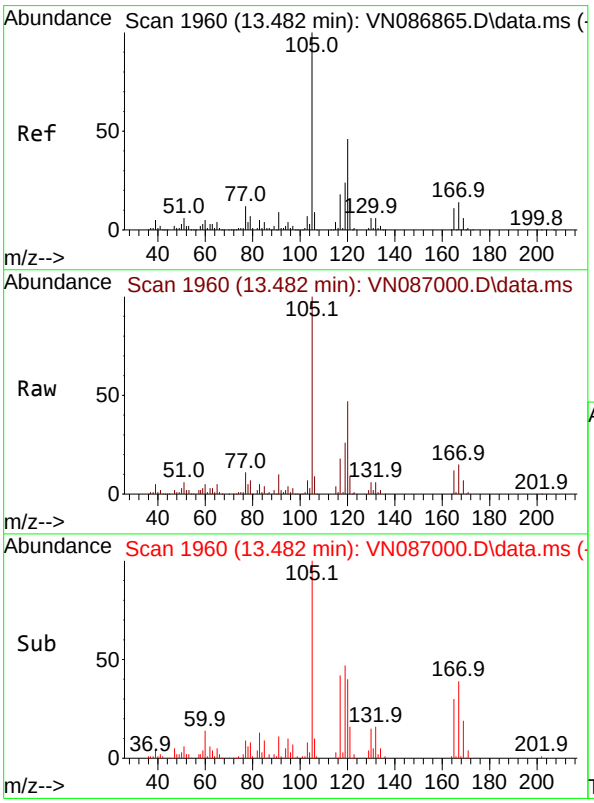
Ion	Ratio	Lower	Upper
119	100		
91	63.3	32.1	96.5
134	26.7	13.4	40.1

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

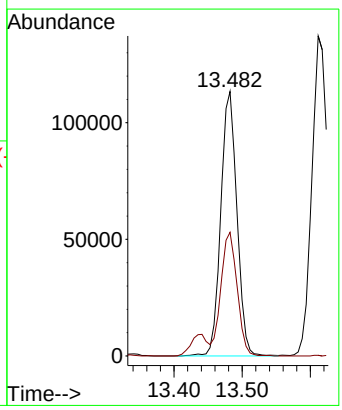


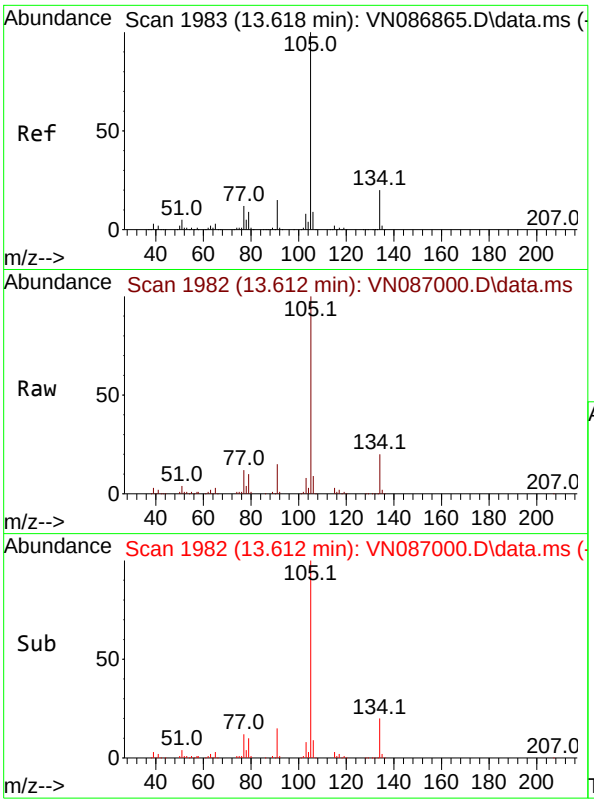


#84
1,2,4-Trimethylbenzene
Concen: 20.570 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:105 Resp: 186915

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.2	69.6





#85
sec-Butylbenzene
Concen: 18.936 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

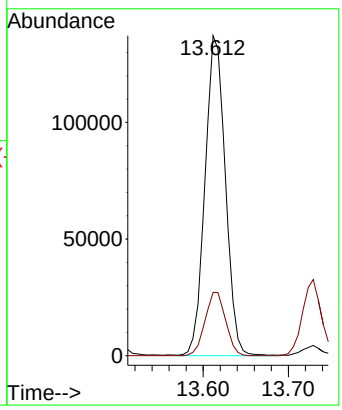
Tgt Ion:105 Resp: 22809

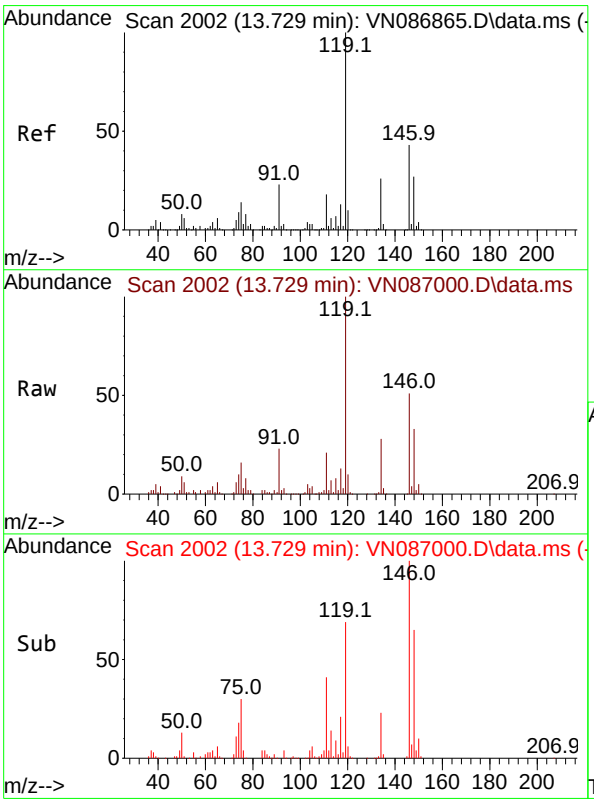
Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	30.0

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

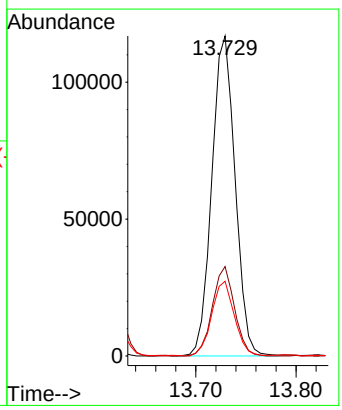


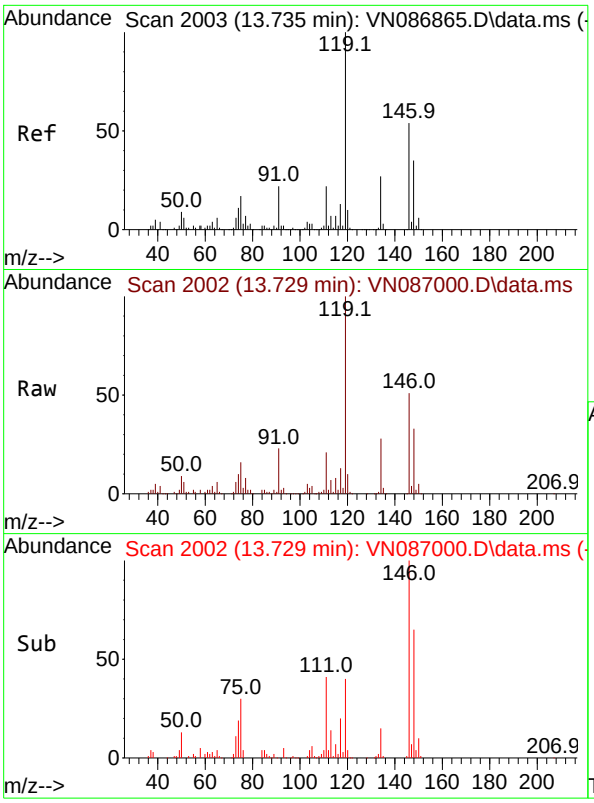


#86
p-Isopropyltoluene
Concen: 18.941 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:119 Resp: 188601

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.5	40.4
91	22.9	11.5	34.4

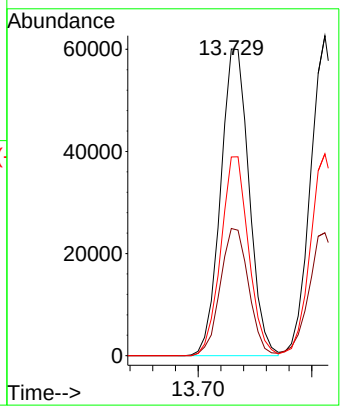




#87
1,3-Dichlorobenzene
Concen: 21.151 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:146 Resp: 10474

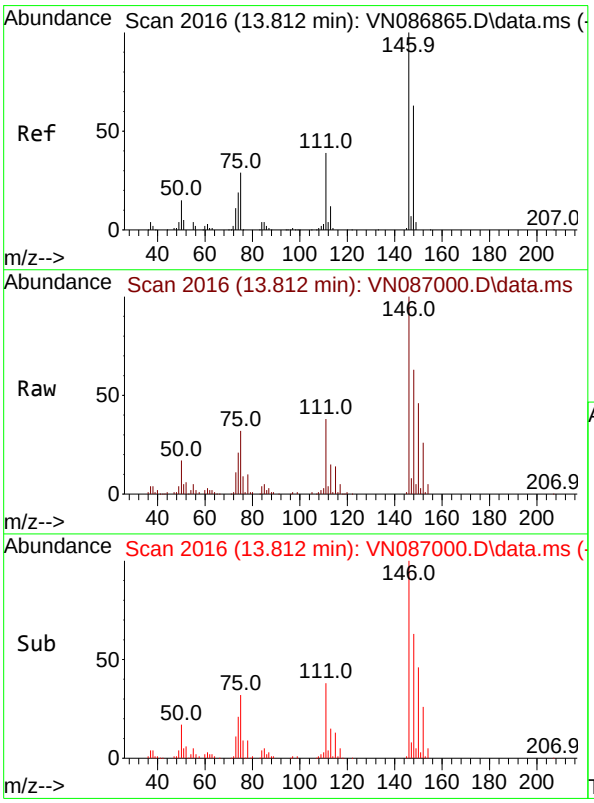
Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.9	62.8
148	63.2	32.0	96.2



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

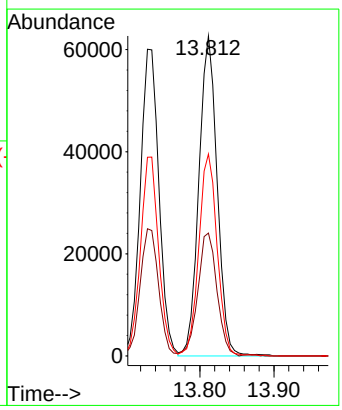
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

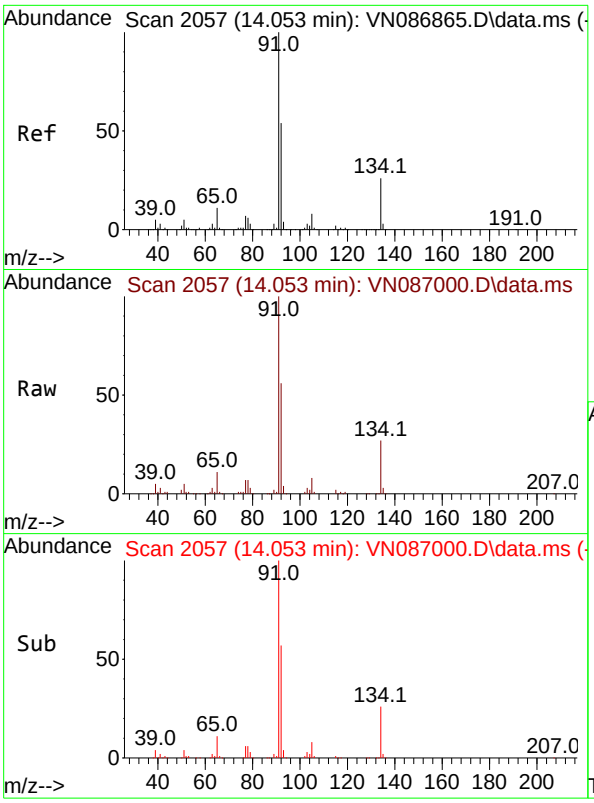


#88
1,4-Dichlorobenzene
Concen: 21.274 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:146 Resp: 107411

Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.9	59.7
148	63.3	31.8	95.4

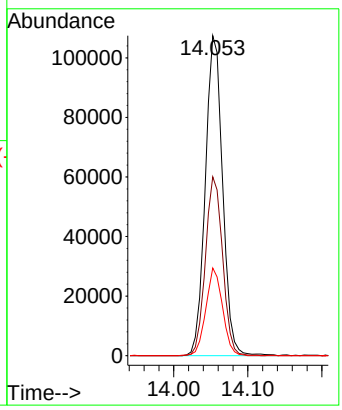




#89
n-Butylbenzene
Concen: 18.041 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 91 Resp: 17399

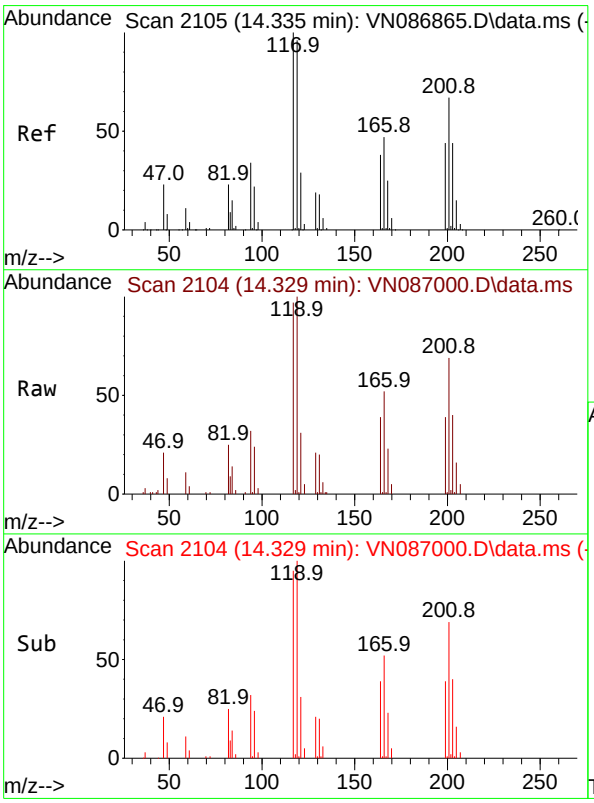
Ion	Ratio	Lower	Upper
91	100		
92	55.5	27.5	82.4
134	26.4	13.0	39.0



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

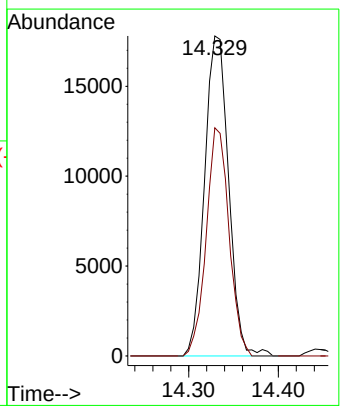
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

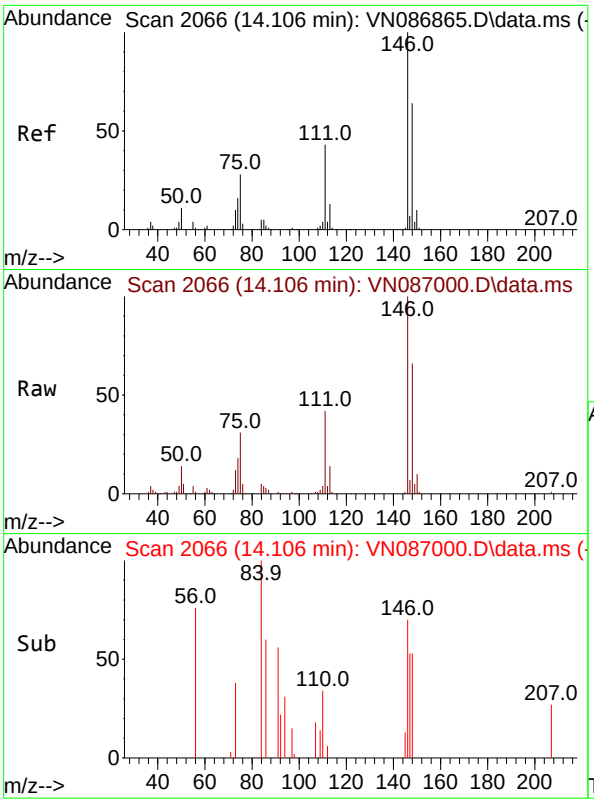


#90
Hexachloroethane
Concen: 19.603 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:117 Resp: 33086

Ion	Ratio	Lower	Upper
117	100		
201	67.6	33.2	99.6

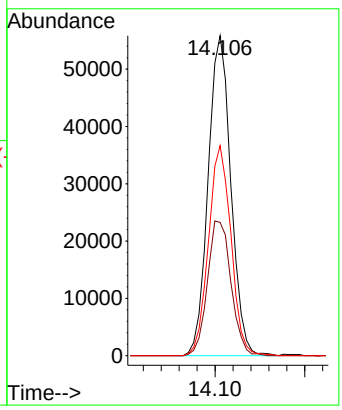




#91
1,2-Dichlorobenzene
Concen: 20.655 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:146 Resp: 9827

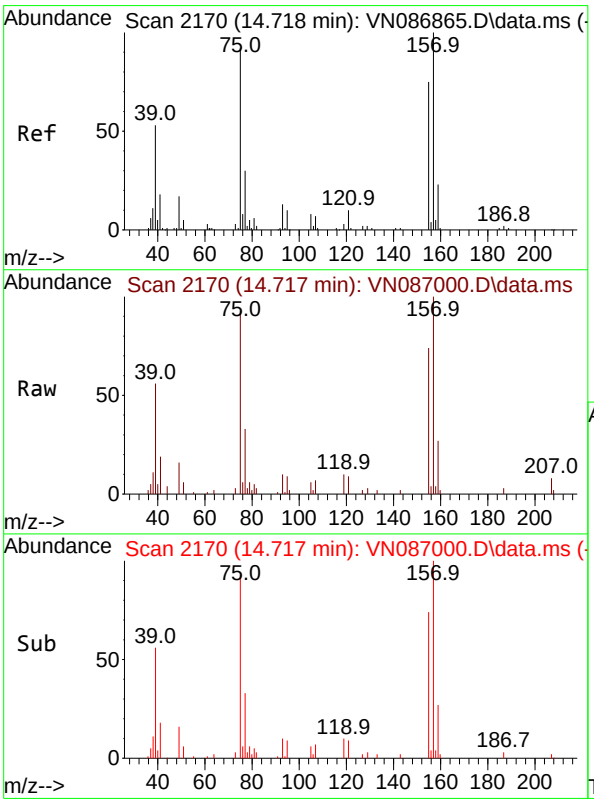
Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.6	64.6
148	64.9	31.7	95.1



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

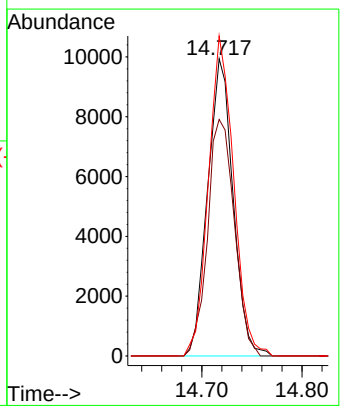
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

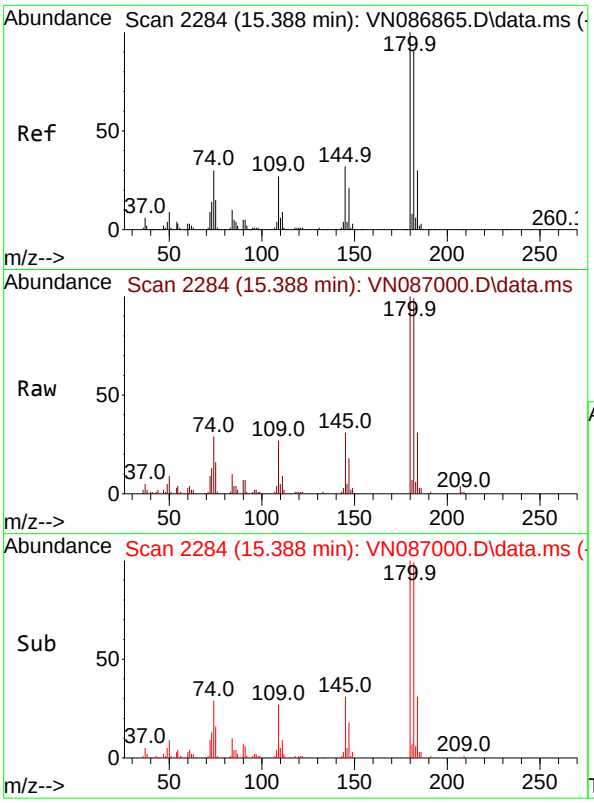


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.687 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 75 Resp: 17506

Ion	Ratio	Lower	Upper
75	100		
155	83.6	41.1	123.4
157	106.8	52.7	158.1

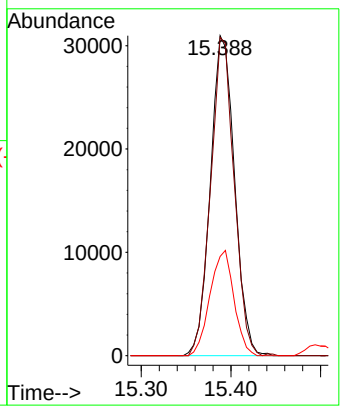




#93
1,2,4-Trichlorobenzene
Concen: 19.074 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:180 Resp: 5795

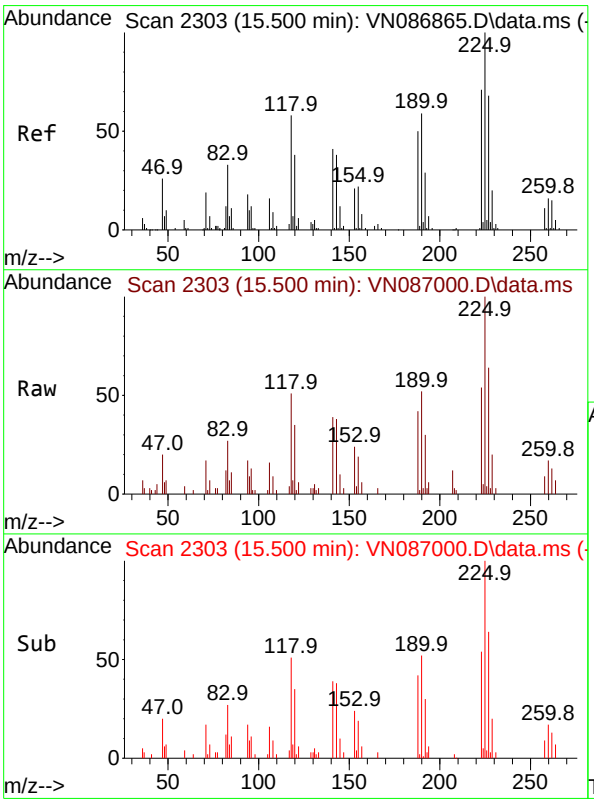
Ion	Ratio	Lower	Upper
180	100		
182	96.3	46.9	140.7
145	32.6	16.0	47.9



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

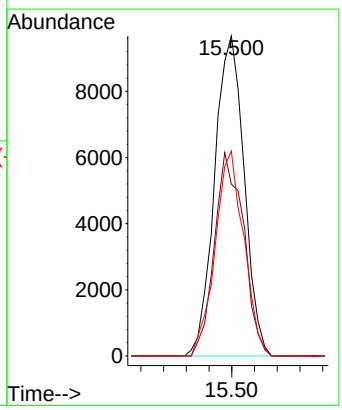
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

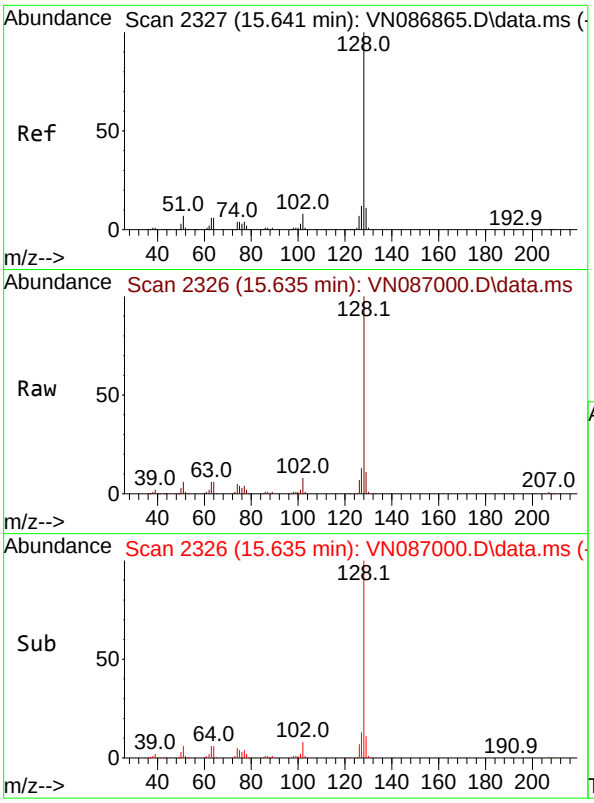


#94
Hexachlorobutadiene
Concen: 15.423 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:225 Resp: 17458

Ion	Ratio	Lower	Upper
225	100		
223	62.7	33.5	100.4
227	62.2	31.1	93.5

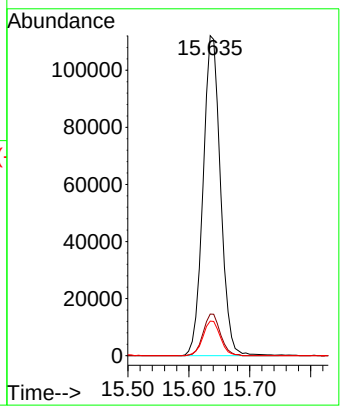




#95
Naphthalene
Concen: 19.701 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:128 Resp: 22278

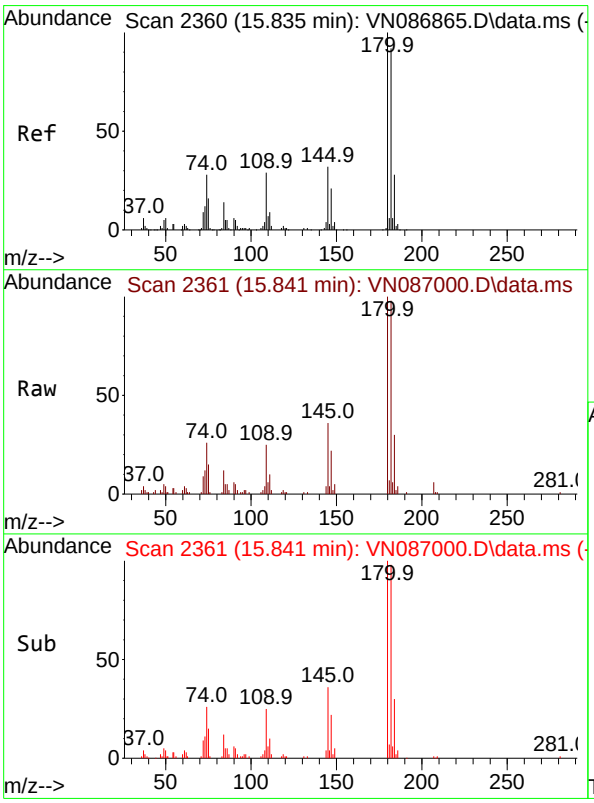
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.8	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Manual Integrations
APPROVED

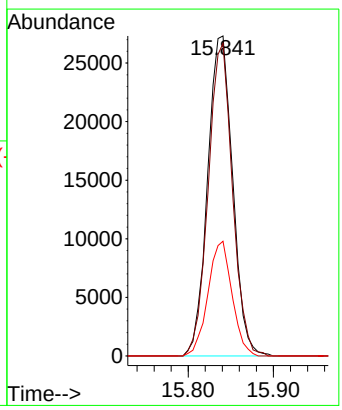
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.450 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:180 Resp: 55693

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.0	141.0
145	34.5	16.6	49.8



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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VY0616SBS01	SDG No.:	Q2314
Lab Sample ID:	VY0616SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022697.D	1		06/16/25 10:12	VY061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
74-87-3	Chloromethane	19.3		1.10	2.50	5.00	ug/Kg
75-01-4	Vinyl Chloride	22.0		0.79	2.50	5.00	ug/Kg
74-83-9	Bromomethane	22.8		1.10	4.00	5.00	ug/Kg
75-00-3	Chloroethane	23.2		1.30	2.50	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	23.2		1.20	4.00	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	22.5		1.10	2.50	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	22.2		1.00	2.50	5.00	ug/Kg
67-64-1	Acetone	140		4.70	20.0	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.5		1.10	4.00	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.2		0.73	2.50	5.00	ug/Kg
75-09-2	Methylene Chloride	23.8		3.50	8.00	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	22.1		0.86	2.50	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.2		0.80	2.50	5.00	ug/Kg
78-93-3	2-Butanone	120		6.50	20.0	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.0		0.97	2.50	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.6		0.75	2.50	5.00	ug/Kg
67-66-3	Chloroform	22.7		0.84	4.00	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	22.7		0.93	2.50	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.7		0.91	2.50	5.00	ug/Kg
71-43-2	Benzene	21.6		0.79	2.50	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.8		0.79	2.50	5.00	ug/Kg
79-01-6	Trichloroethene	21.5		0.81	2.50	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.7		0.91	2.50	5.00	ug/Kg
75-27-4	Bromodichloromethane	22.2		0.78	2.50	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	12.5	25.0	ug/Kg
108-88-3	Toluene	21.1		0.78	2.50	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	21.0		0.65	2.50	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.7		0.62	2.50	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	22.0		0.92	2.50	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	12.5	25.0	ug/Kg

Raw Data: **VY022697.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VY0616SBS01	SDG No.:	Q2314
Lab Sample ID:	VY0616SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022697.D	1		06/16/25 10:12	VY061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
124-48-1	Dibromochloromethane	21.1		0.87	2.50	5.00	ug/Kg
127-18-4	Tetrachloroethene	24.3		1.10	2.50	5.00	ug/Kg
108-90-7	Chlorobenzene	21.7		0.91	2.50	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.7		0.67	2.50	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.2		1.20	5.00	10.0	ug/Kg
95-47-6	o-Xylene	20.6		0.82	2.50	5.00	ug/Kg
100-42-5	Styrene	20.5		0.71	2.50	5.00	ug/Kg
75-25-2	Bromoform	20.8		0.86	2.50	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.4		0.78	2.50	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.6		1.20	2.50	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.6		1.70	2.50	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.0		1.60	2.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.5		1.50	2.50	5.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.0		71 - 136		104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		78 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	50.7		85 - 116		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		79 - 119		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	159000	7.713				
540-36-3	1,4-Difluorobenzene	274000	8.616				
3114-55-4	Chlorobenzene-d5	230000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	109000	13.347				

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\VY061625\
Data File : VY022697.D
Acq On : 16 Jun 2025 10:12
Operator : SY/MD
Sample : VY0616SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

Quant Time: Jun 17 06:09:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	158575	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	274493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	229894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	109254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	92304	52.044	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.080%			
35) Dibromofluoromethane	7.634	113	84256	51.426	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.860%			
50) Toluene-d8	10.109	98	335707	50.710	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.420%			
62) 4-Bromofluorobenzene	12.408	95	97799	49.582	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	30929	21.785	ug/l	97
3) Chloromethane	2.068	50	81063	19.327	ug/l	99
4) Vinyl Chloride	2.208	62	106967	21.984	ug/l	98
5) Bromomethane	2.592	94	106224	22.778	ug/l	98
6) Chloroethane	2.733	64	77642	23.248	ug/l	96
7) Trichlorofluoromethane	3.050	101	96027	23.248	ug/l	99
8) Diethyl Ether	3.452	74	20424	21.956	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	39178	22.520	ug/l	98
10) Methyl Iodide	4.007	142	35299	18.750	ug/l	98
11) Tert butyl alcohol	4.879	59	13305	105.033	ug/l #	92
12) 1,1-Dichloroethene	3.793	96	36931	22.209	ug/l	95
13) Acrolein	3.653	56	11018	69.792	ug/l	95
14) Allyl chloride	4.385	41	53849	20.627	ug/l	97
15) Acrylonitrile	5.061	53	43625	110.734	ug/l	98
16) Acetone	3.873	43	50848	141.171	ug/l	96
17) Carbon Disulfide	4.104	76	109042	20.482	ug/l	99
18) Methyl Acetate	4.391	43	21734	20.377	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	99131	21.165	ug/l	98
20) Methylene Chloride	4.610	84	48762	23.833	ug/l	94
21) trans-1,2-Dichloroethene	5.110	96	41044	22.053	ug/l	92
22) Diisopropyl ether	6.019	45	126069	21.695	ug/l	97
23) Vinyl Acetate	5.964	43	360740	104.888	ug/l	99
24) 1,1-Dichloroethane	5.921	63	76065	22.220	ug/l	100
25) 2-Butanone	6.896	43	64118	123.411	ug/l	100
26) 2,2-Dichloropropane	6.890	77	66458	21.972	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	46410	21.574	ug/l	96
28) Bromochloromethane	7.250	49	32989	22.107	ug/l	97
29) Tetrahydrofuran	7.262	42	35539	106.057	ug/l	98
30) Chloroform	7.427	83	76803	22.651	ug/l	91
31) Cyclohexane	7.707	56	68711	20.161	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	68356	22.710	ug/l	99
36) 1,1-Dichloropropene	7.841	75	56212	21.139	ug/l	99
37) Ethyl Acetate	6.988	43	25836	21.787	ug/l	98
38) Carbon Tetrachloride	7.817	117	57413	21.047	ug/l	98
39) Methylcyclohexane	9.110	83	70362	19.690	ug/l	99
40) Benzene	8.079	78	169830	21.624	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022697.D
Acq On : 16 Jun 2025 10:12
Operator : SY/MD
Sample : VY0616SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 17 06:09:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	11287	16.295	ug/l	#	79
42) 1,2-Dichloroethane	8.158	62	46696	21.775	ug/l		97
43) Isopropyl Acetate	8.201	43	51938	20.280	ug/l		98
44) Trichloroethene	8.866	130	41267	21.498	ug/l		97
45) 1,2-Dichloropropane	9.140	63	40369	21.749	ug/l		95
46) Dibromomethane	9.231	93	22198	21.257	ug/l		98
47) Bromodichloromethane	9.427	83	58700	22.169	ug/l		98
48) Methyl methacrylate	9.225	41	25045	20.836	ug/l		98
49) 1,4-Dioxane	9.231	88	5331	430.920	ug/l		95
51) 4-Methyl-2-Pentanone	10.000	43	132045	103.413	ug/l		99
52) Toluene	10.170	92	104048	21.081	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	52106	21.003	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	59697	20.671	ug/l		96
55) 1,1,2-Trichloroethane	10.573	97	29305	22.008	ug/l		89
56) Ethyl methacrylate	10.439	69	37977	19.733	ug/l		99
57) 1,3-Dichloropropane	10.719	76	50278	21.304	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	93823	107.377	ug/l		99
59) 2-Hexanone	10.762	43	92278	108.059	ug/l		100
60) Dibromochloromethane	10.914	129	35744	21.123	ug/l		98
61) 1,2-Dibromoethane	11.018	107	26650	21.959	ug/l		95
64) Tetrachloroethene	10.646	164	48016	24.280	ug/l		98
65) Chlorobenzene	11.444	112	110633	21.747	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	35445	20.683	ug/l		98
67) Ethyl Benzene	11.518	91	195335	20.702	ug/l		99
68) m/p-Xylenes	11.627	106	147231	41.160	ug/l		98
69) o-Xylene	11.957	106	69044	20.588	ug/l		100
70) Styrene	11.969	104	113714	20.513	ug/l		99
71) Bromoform	12.133	173	19012	20.847	ug/l	#	98
73) Isopropylbenzene	12.255	105	182723	20.371	ug/l		100
74) N-amyl acetate	12.072	43	43824	19.363	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	28808	19.569	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	24668m	19.736	ug/l		
77) Bromobenzene	12.536	156	39023	20.616	ug/l		98
78) n-propylbenzene	12.597	91	221750	20.241	ug/l		99
79) 2-Chlorotoluene	12.682	91	119393	20.562	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	144419	20.508	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	10097	19.508	ug/l		98
82) 4-Chlorotoluene	12.780	91	120666	20.145	ug/l		98
83) tert-Butylbenzene	12.999	119	128051	20.260	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	143246	20.338	ug/l		100
85) sec-Butylbenzene	13.176	105	196393	20.289	ug/l		100
86) p-Isopropyltoluene	13.292	119	157938	19.794	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	79159	20.641	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	78000	20.970	ug/l		99
89) n-Butylbenzene	13.615	91	152139	20.097	ug/l		100
90) Hexachloroethane	13.877	117	32367	20.837	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	66633	20.464	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4817	22.474	ug/l		93
93) 1,2,4-Trichlorobenzene	14.919	180	37234	20.967	ug/l		96
94) Hexachlorobutadiene	15.023	225	20911	21.334	ug/l		98
95) Naphthalene	15.145	128	68059	19.971	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	32973	21.665	ug/l		98

Sample Results: **VY022697.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022697.D
Acq On : 16 Jun 2025 10:12
Operator : SY/MD
Sample : VY0616SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 17 06:09:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

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

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

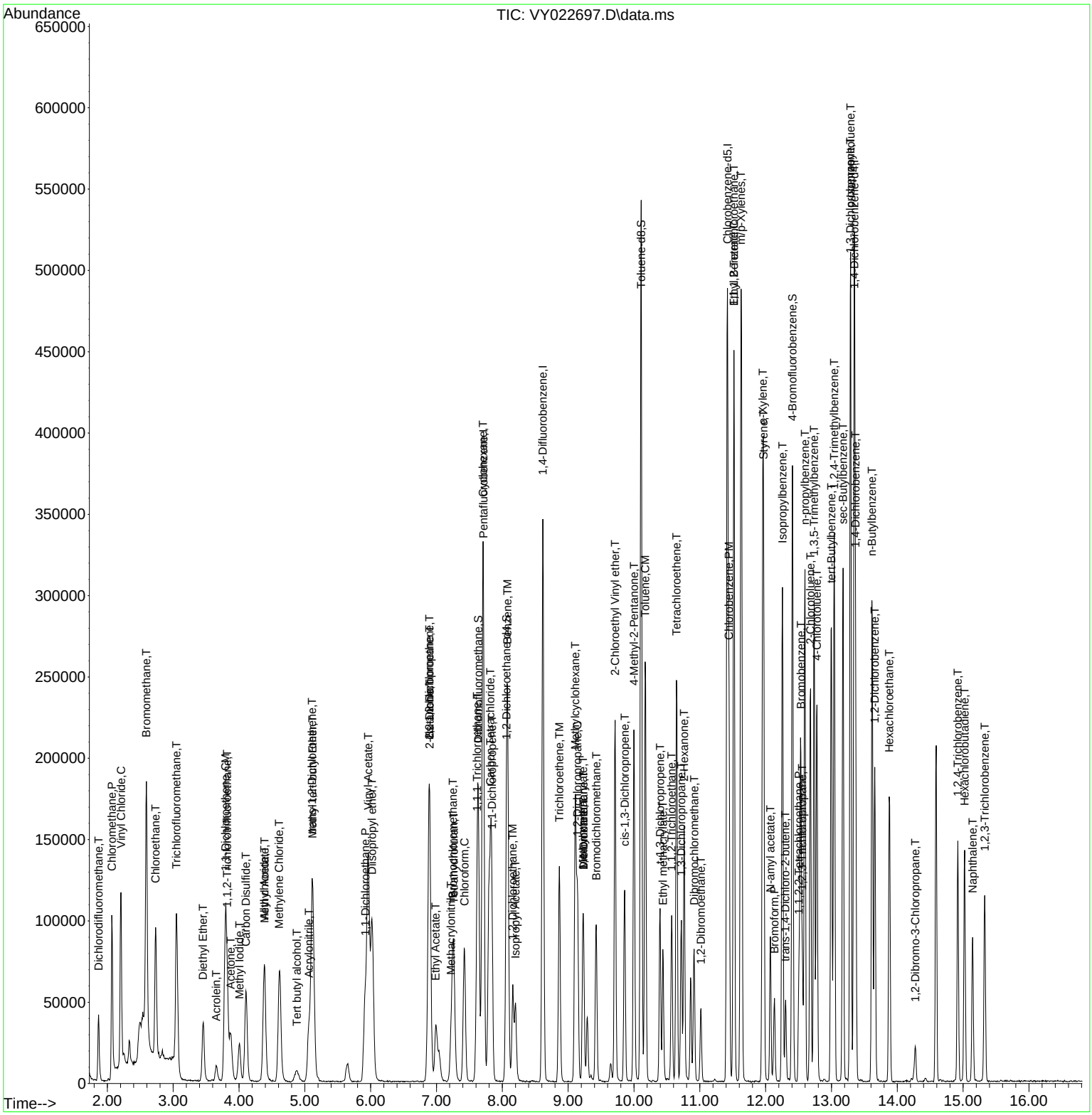
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022697.D
Acq On : 16 Jun 2025 10:12
Operator : SY/MD
Sample : VY0616SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

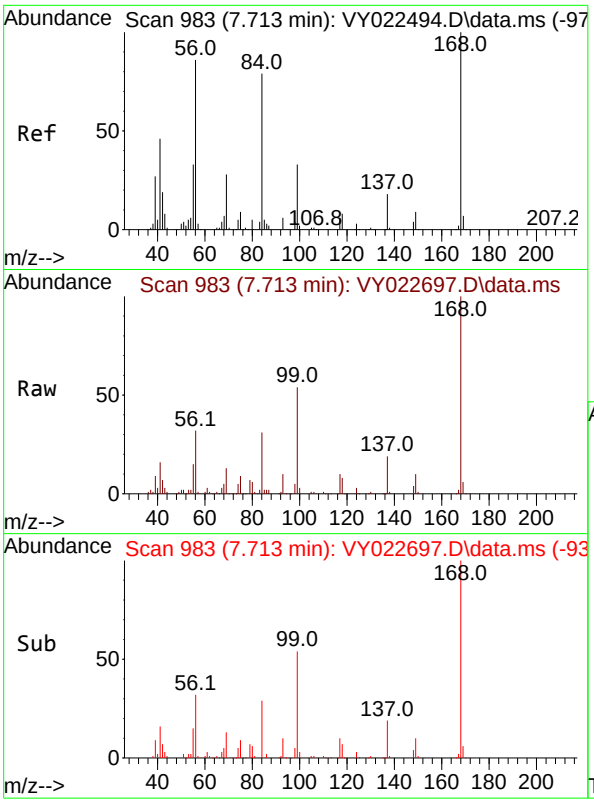
Quant Time: Jun 17 06:09:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

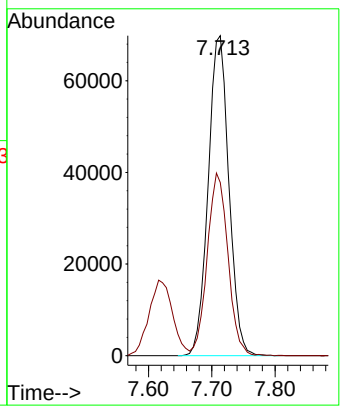




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:168 Resp: 15857

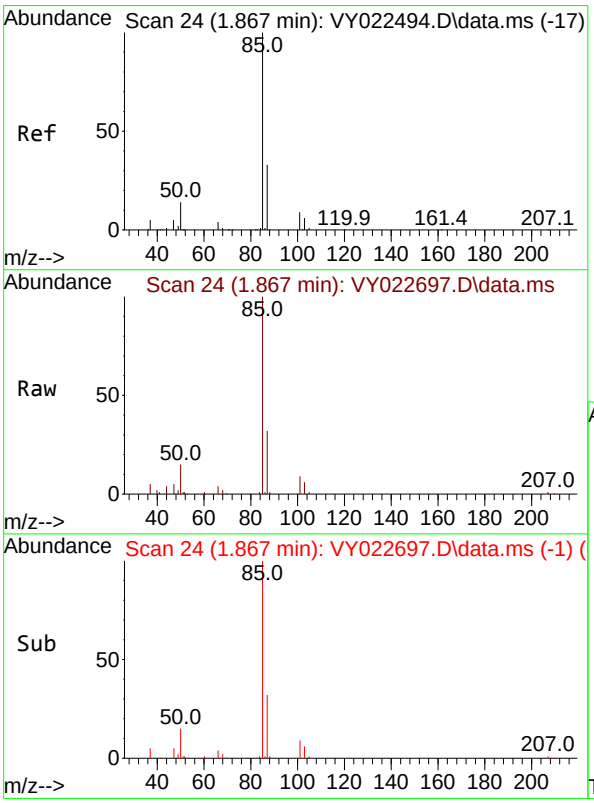
Ion	Ratio	Lower	Upper
168	100		
99	54.0	44.3	66.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

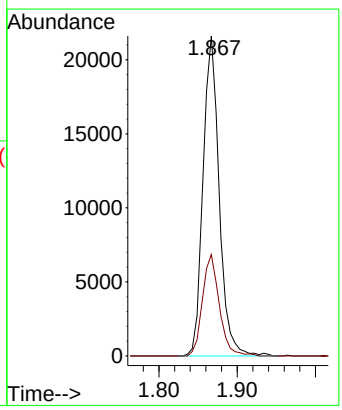
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

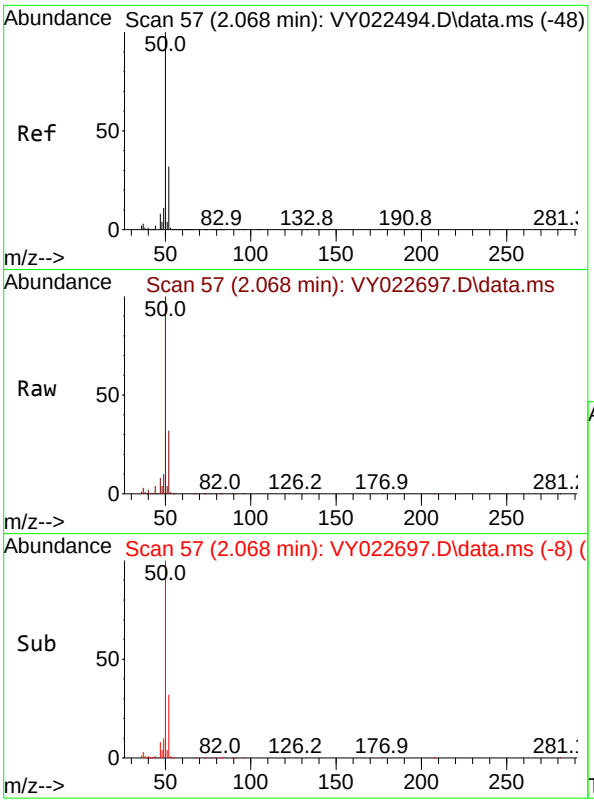


#2
Dichlorodifluoromethane
Concen: 21.785 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 85 Resp: 30929

Ion	Ratio	Lower	Upper
85	100		
87	31.7	16.7	50.0





#3
Chloromethane
Concen: 19.327 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

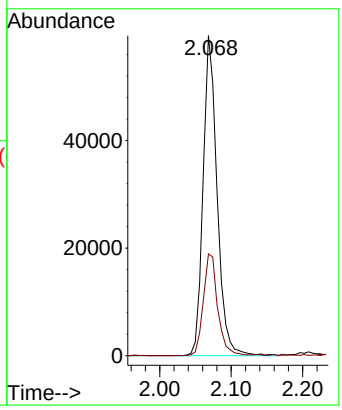
Tgt Ion: 50 Resp: 8106

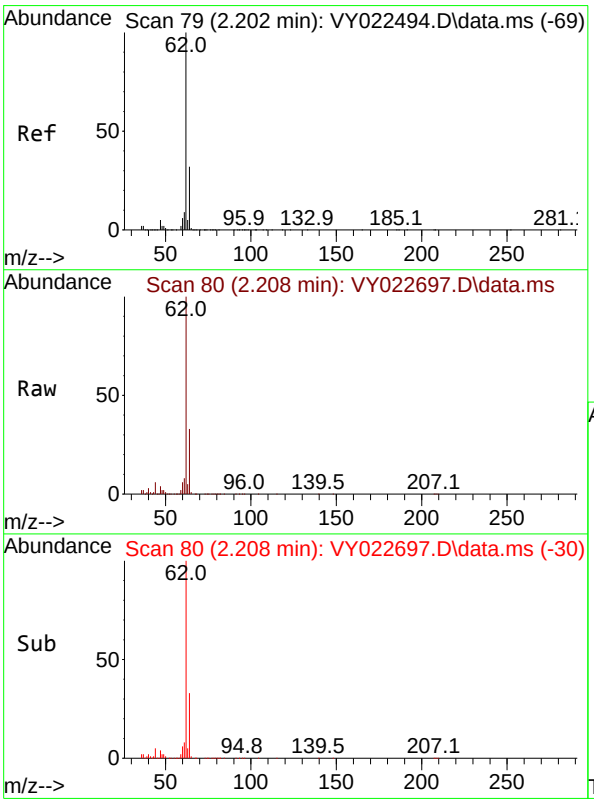
Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

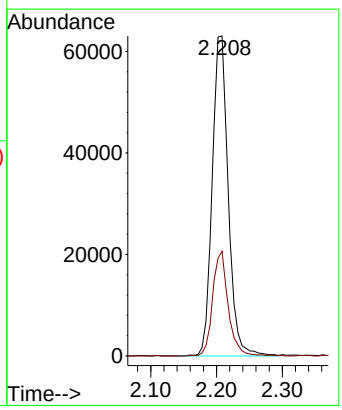


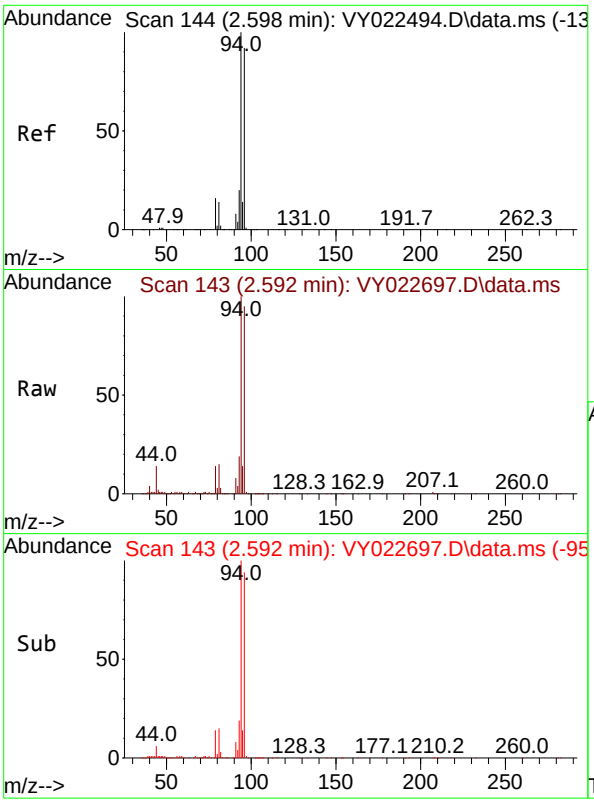


#4
Vinyl Chloride
Concen: 21.984 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 62 Resp: 106967

Ion	Ratio	Lower	Upper
62	100		
64	32.7	25.3	37.9





#5
Bromomethane
Concen: 22.778 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

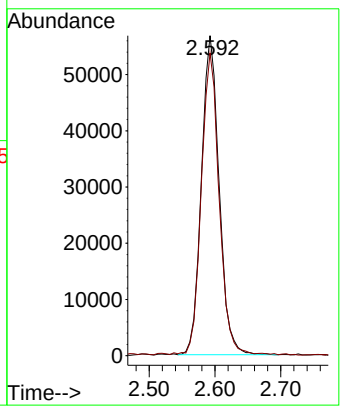
Tgt Ion: 94 Resp: 10622

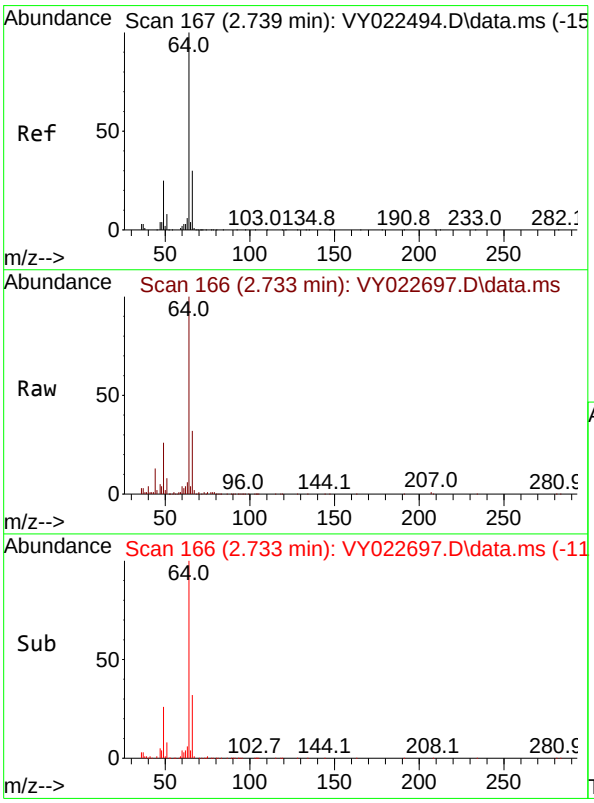
Ion	Ratio	Lower	Upper
94	100		
96	94.6	74.0	111.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

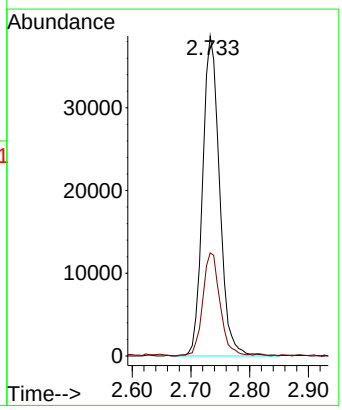


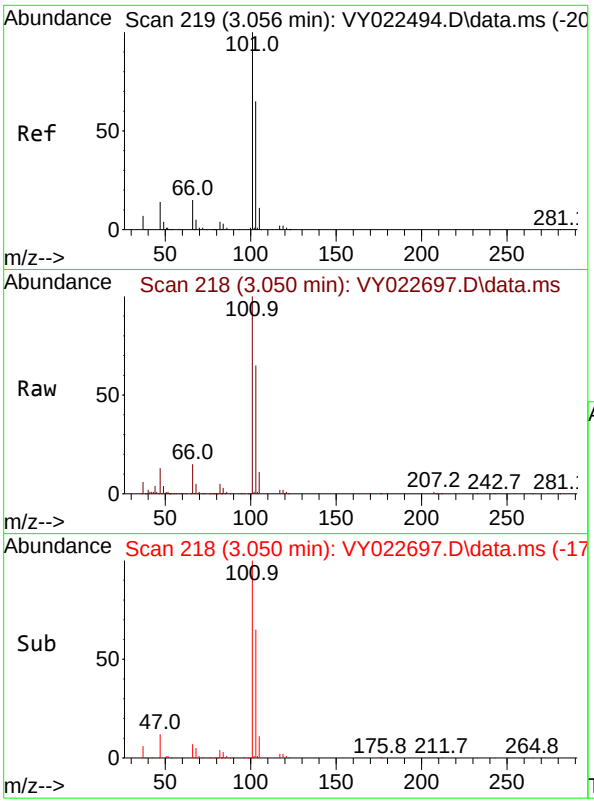


#6
Chloroethane
Concen: 23.248 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 64 Resp: 77642

Ion	Ratio	Lower	Upper
64	100		
66	32.1	23.8	35.6

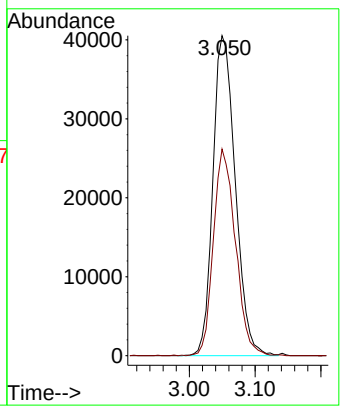




#7
Trichlorofluoromethane
Concen: 23.248 ug/l
RT: 3.050 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:101 Resp: 9602

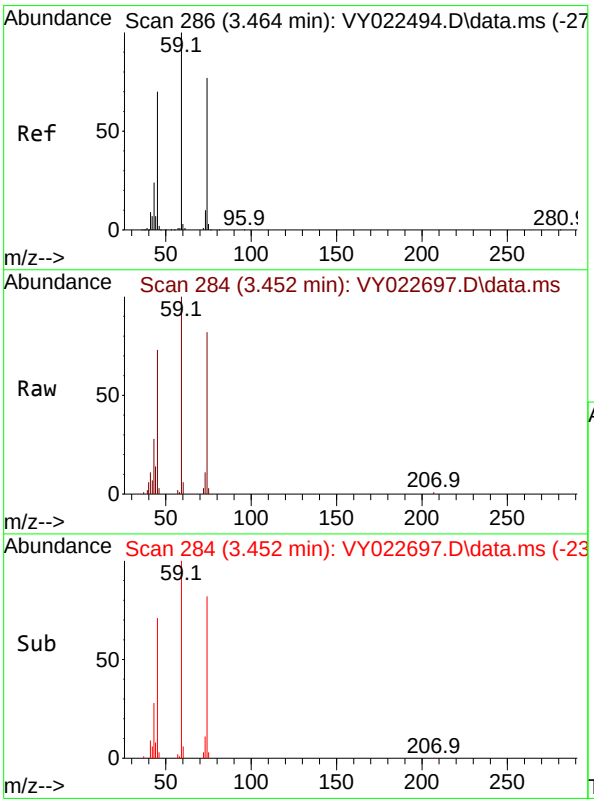
Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

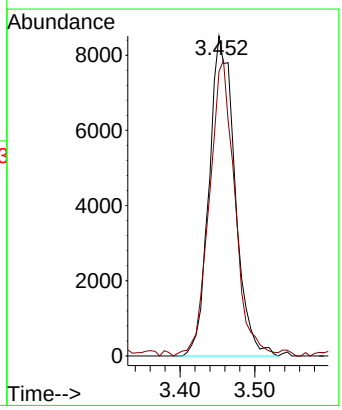
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

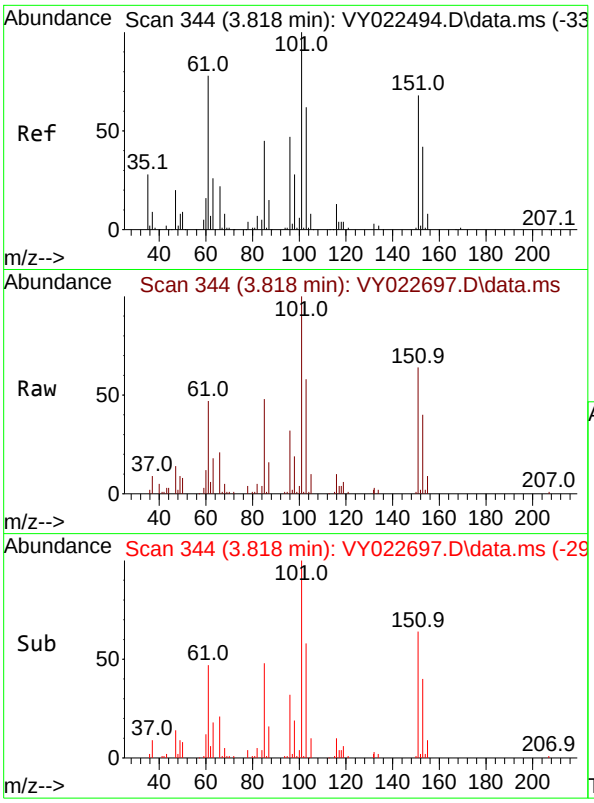


#8
Diethyl Ether
Concen: 21.956 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.012 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 74 Resp: 20424

Ion	Ratio	Lower	Upper
74	100		
45	91.2	45.9	137.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.520 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

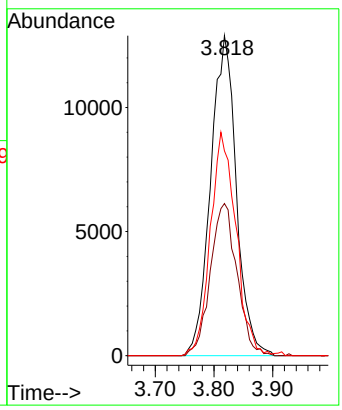
Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

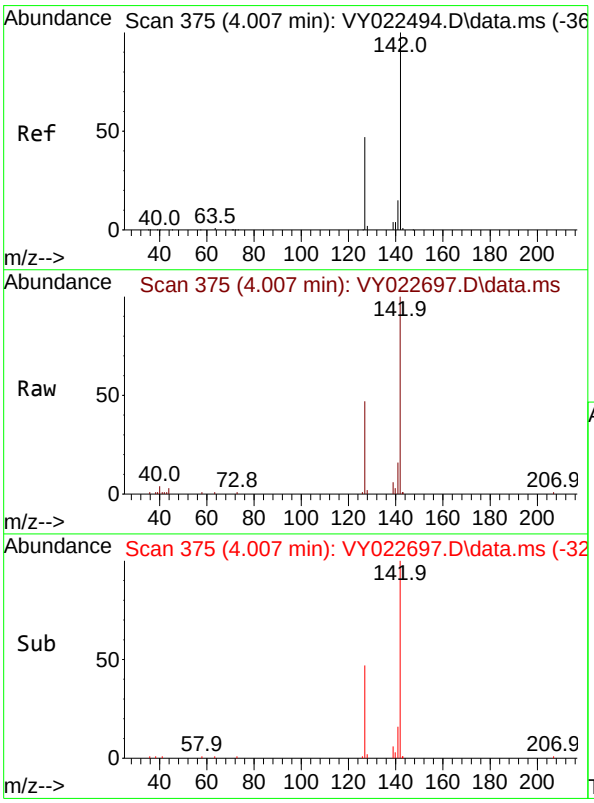
Tgt Ion:101 Resp: 3917

Ion	Ratio	Lower	Upper
101	100		
85	49.2	39.3	58.9
151	69.5	57.8	86.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

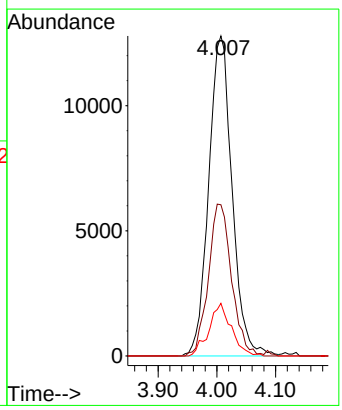


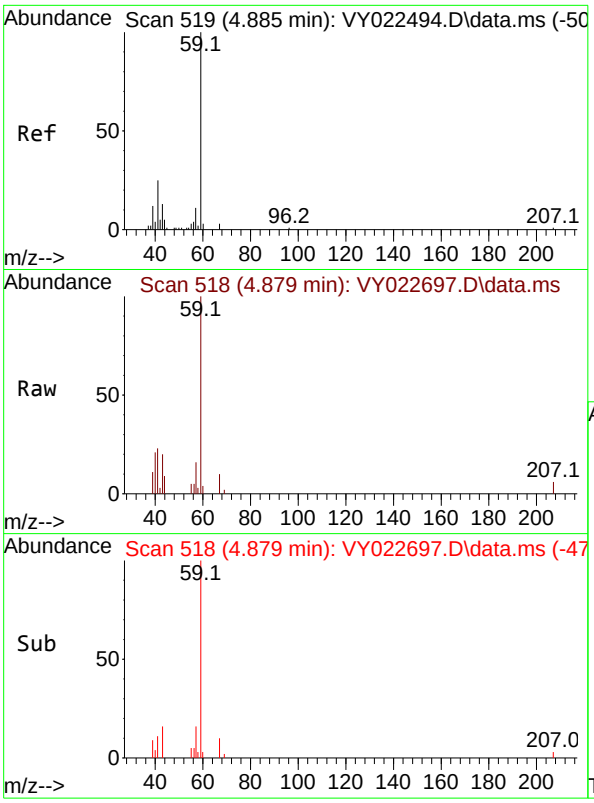


#10
Methyl Iodide
Concen: 18.750 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:142 Resp: 35299

Ion	Ratio	Lower	Upper
142	100		
127	47.1	37.1	55.7
141	15.8	11.4	17.2





#11
Tert butyl alcohol
Concen: 105.033 ug/l
RT: 4.879 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

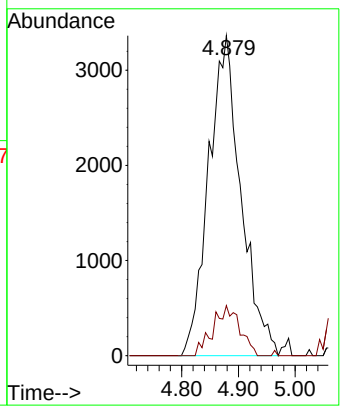
Tgt Ion: 59 Resp: 1330

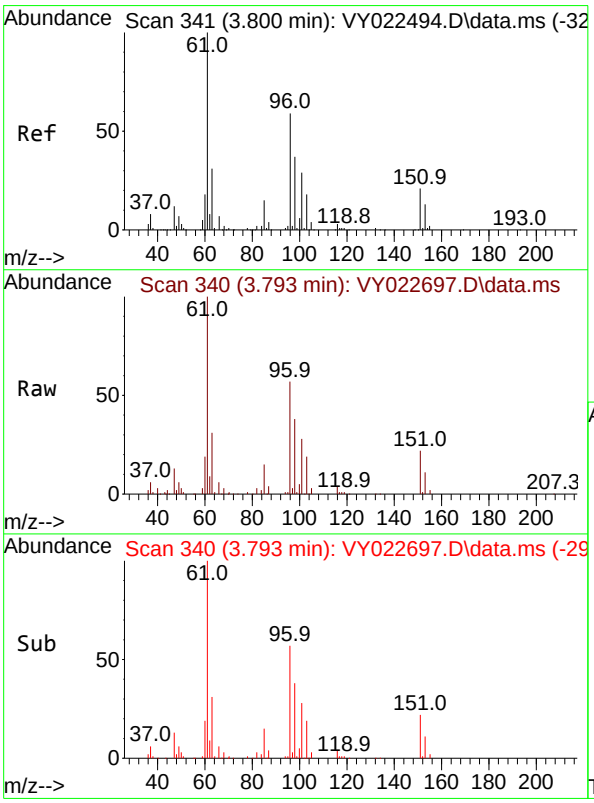
Ion	Ratio	Lower	Upper
59	100		
57	12.9	8.0	12.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

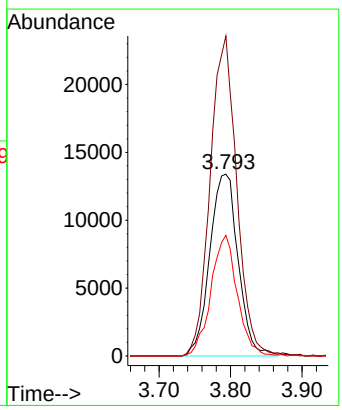


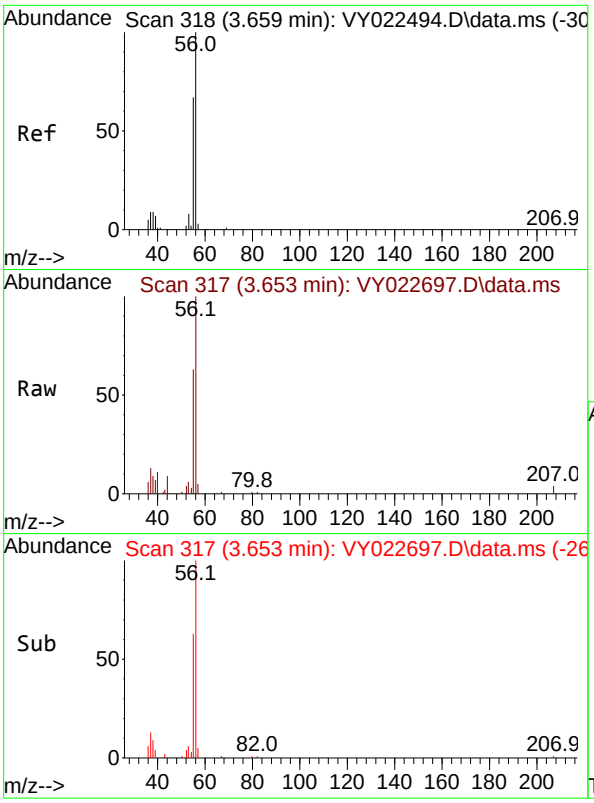


#12
1,1-Dichloroethene
Concen: 22.209 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 96 Resp: 36931

Ion	Ratio	Lower	Upper
96	100		
61	176.1	134.6	201.8
98	66.4	50.2	75.4





#13
Acrolein
Concen: 69.792 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

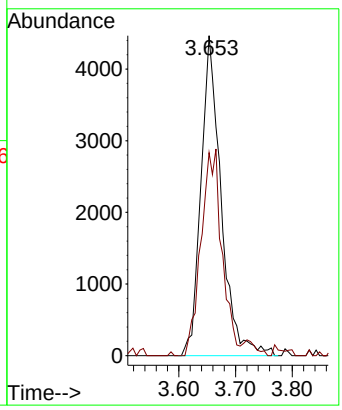
Tgt Ion: 56 Resp: 1101

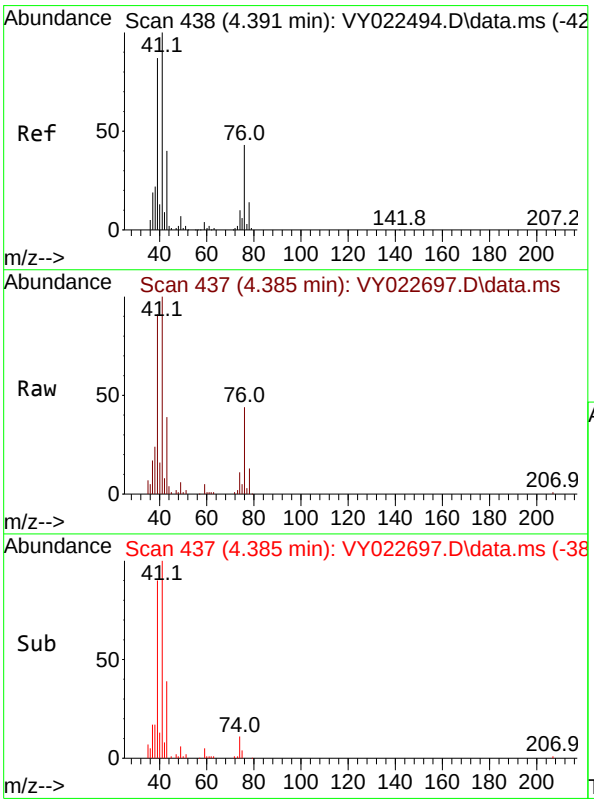
Ion	Ratio	Lower	Upper
56	100		
55	66.9	57.0	85.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

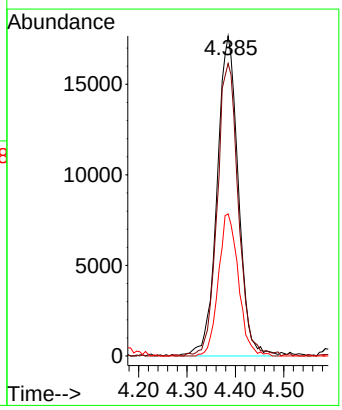


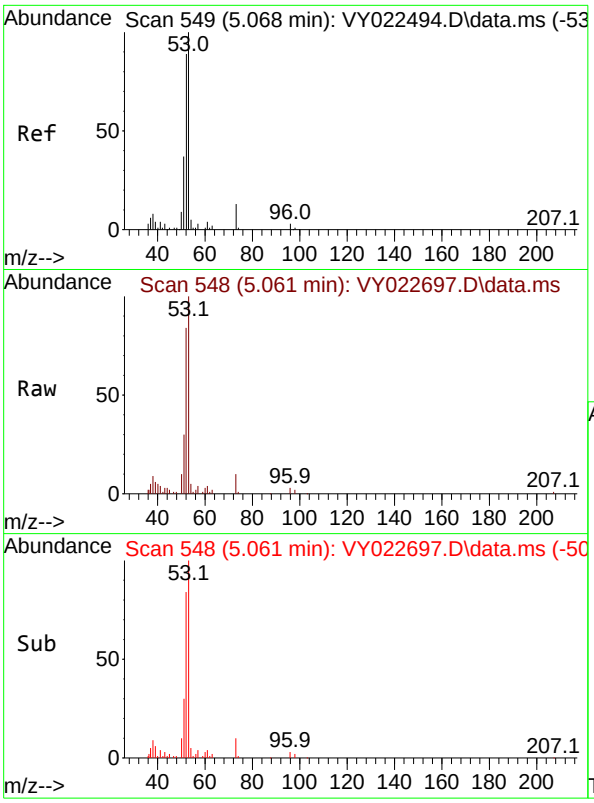


#14
Allyl chloride
Concen: 20.627 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 41 Resp: 53849

Ion	Ratio	Lower	Upper
41	100		
39	91.1	69.1	103.7
76	41.9	33.5	50.3

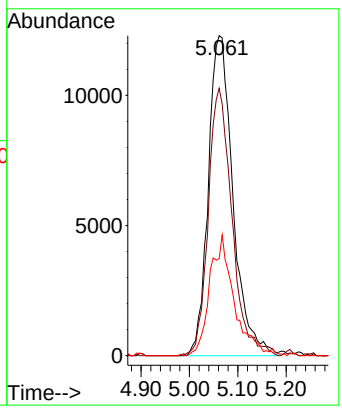




#15
Acrylonitrile
Concen: 110.734 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 53 Resp: 4362

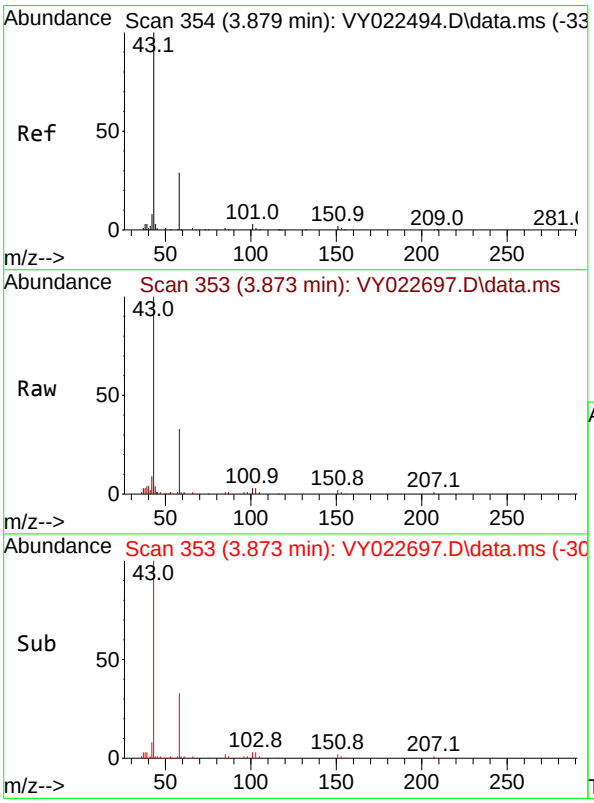
Ion	Ratio	Lower	Upper
53	100		
52	80.1	65.7	98.5
51	36.7	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

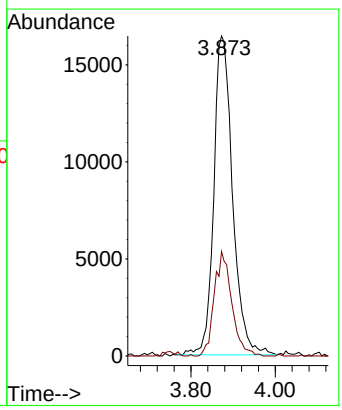
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

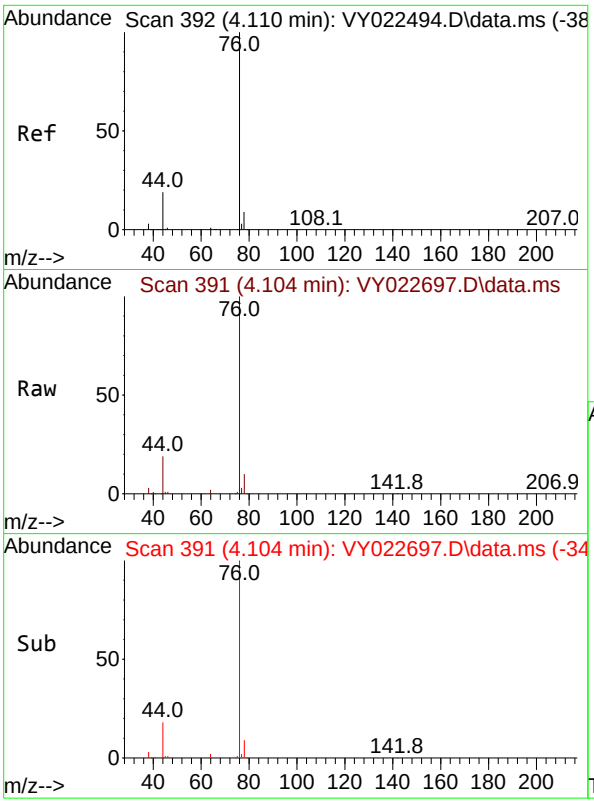


#16
Acetone
Concen: 141.171 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 43 Resp: 50848

Ion	Ratio	Lower	Upper
43	100		
58	32.3	24.0	36.0





#17
Carbon Disulfide
Concen: 20.482 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

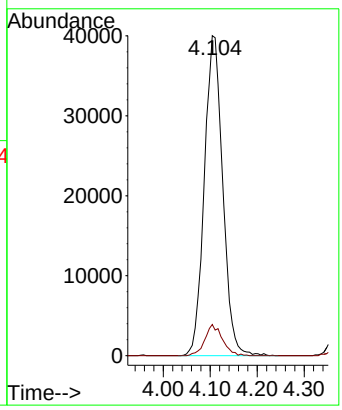
Tgt Ion: 76 Resp: 10904

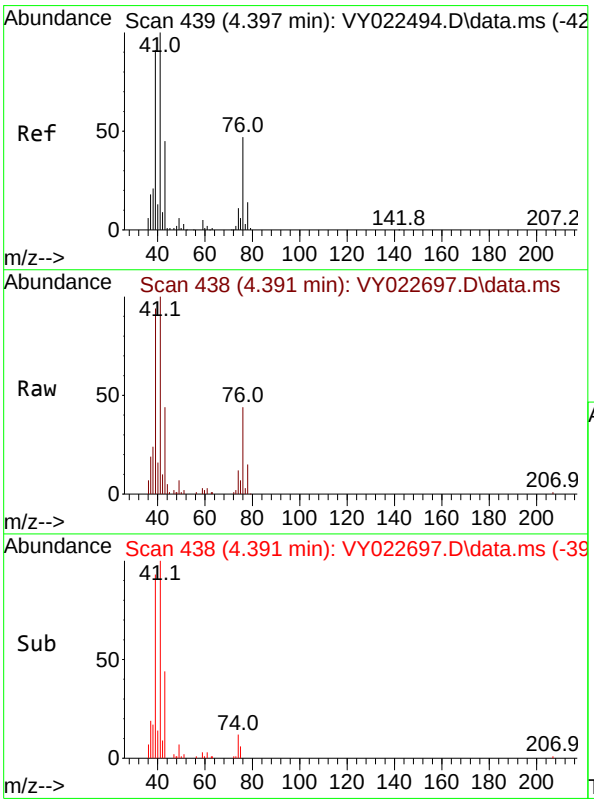
Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

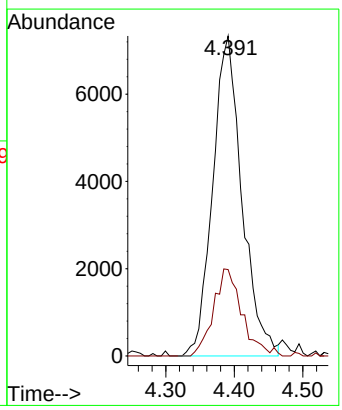


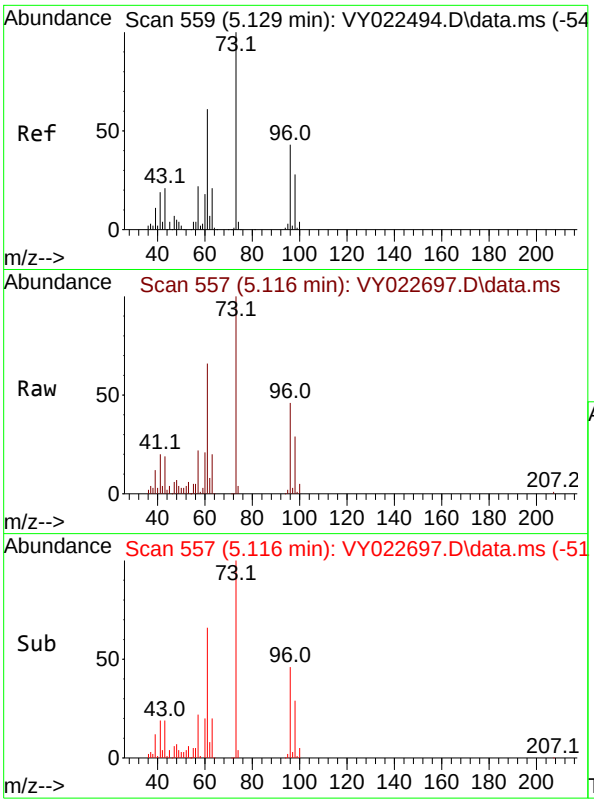


#18
Methyl Acetate
Concen: 20.377 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 43 Resp: 21734

Ion	Ratio	Lower	Upper
43	100		
74	26.5	19.8	29.6

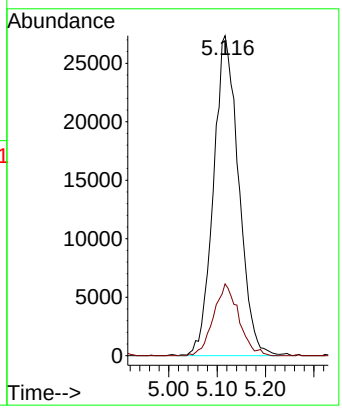




#19
Methyl tert-butyl Ether
Concen: 21.165 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 73 Resp: 9913

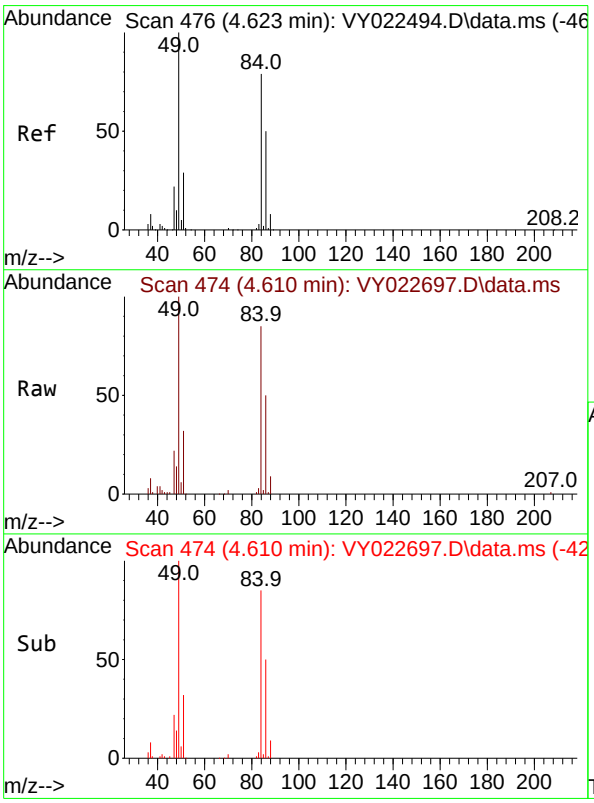
Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

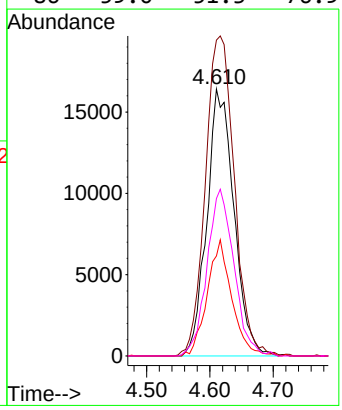
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

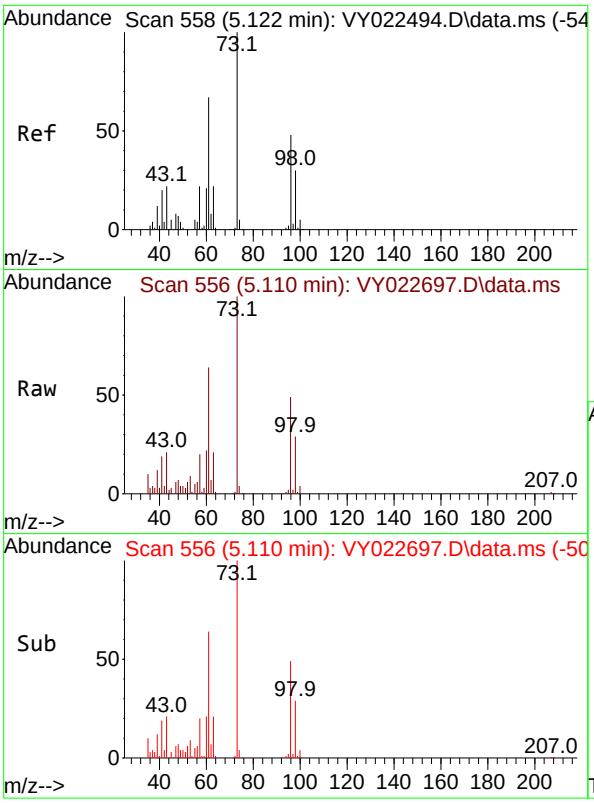


#20
Methylene Chloride
Concen: 23.833 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 84 Resp: 48762

Ion	Ratio	Lower	Upper
84	100		
49	118.0	101.9	152.9
51	37.4	29.8	44.8
86	59.0	51.3	76.9





#21
trans-1,2-Dichloroethene
Concen: 22.053 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

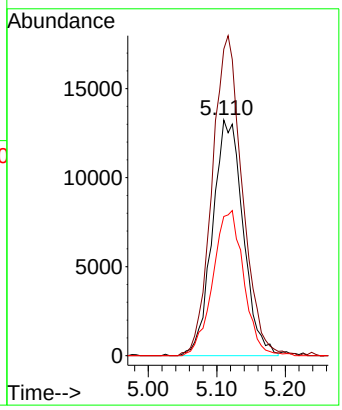
Tgt Ion: 96 Resp: 4104

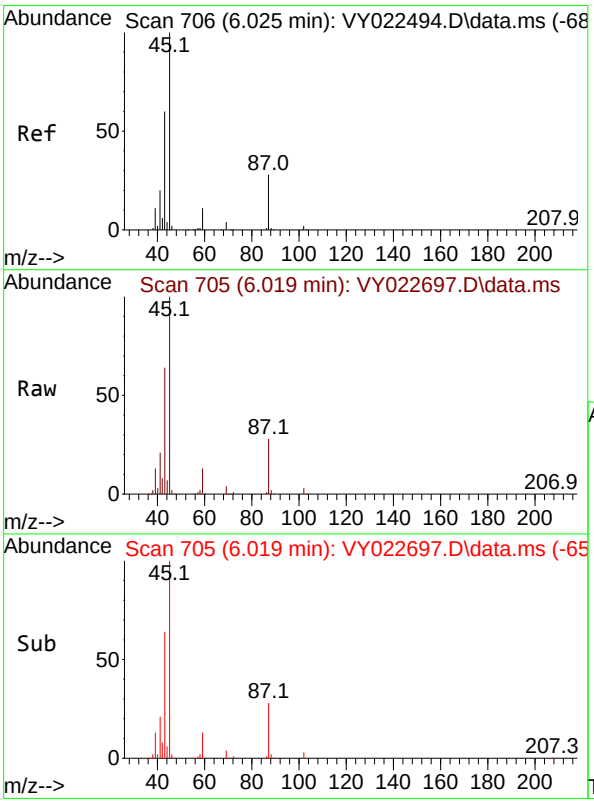
Ion	Ratio	Lower	Upper
96	100		
61	130.1	112.6	169.0
98	59.1	50.6	75.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

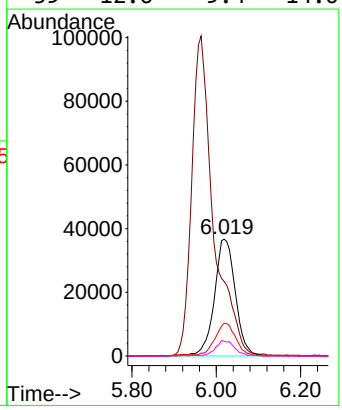


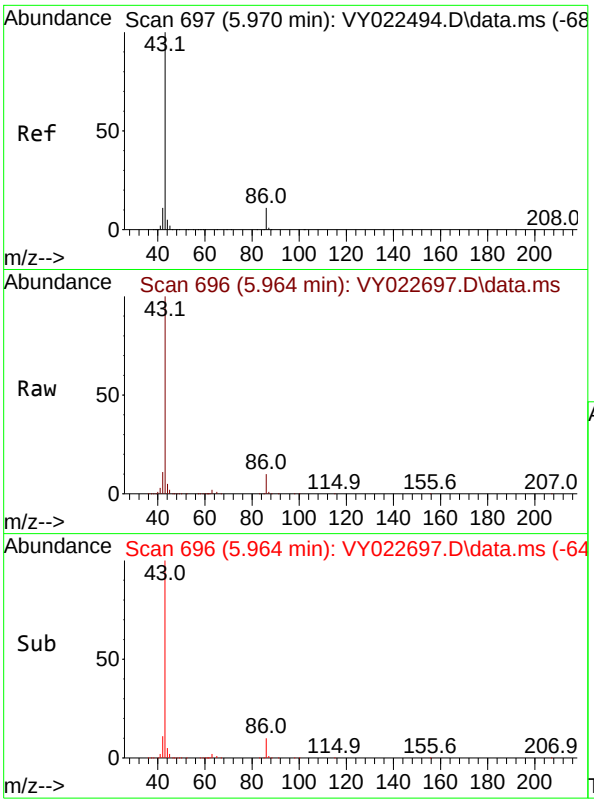


#22
Diisopropyl ether
Concen: 21.695 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 45 Resp: 126069

Ion	Ratio	Lower	Upper
45	100		
43	63.1	48.3	72.5
87	28.0	23.0	34.6
59	12.6	9.4	14.0





#23
Vinyl Acetate
Concen: 104.888 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

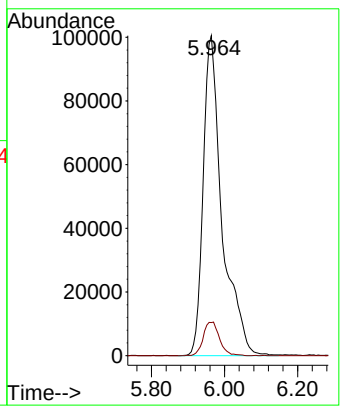
Tgt Ion: 43 Resp: 36074

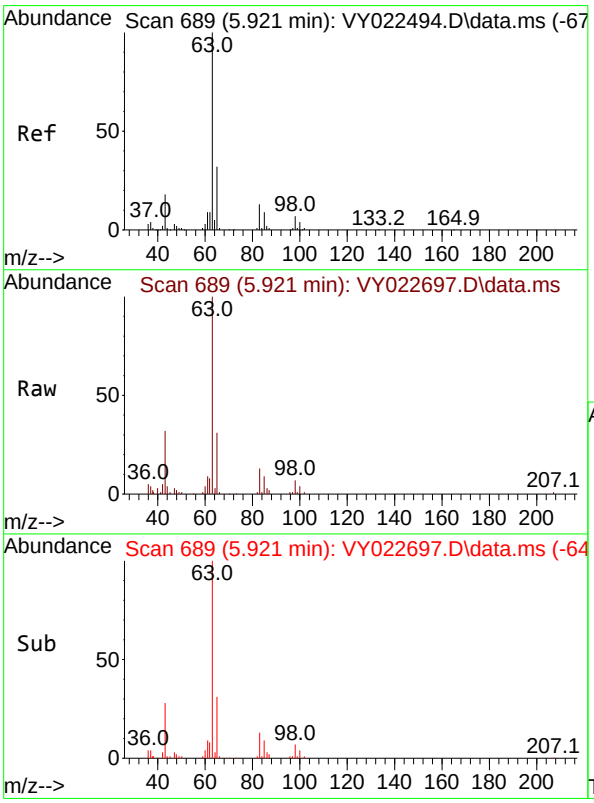
Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.6	12.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

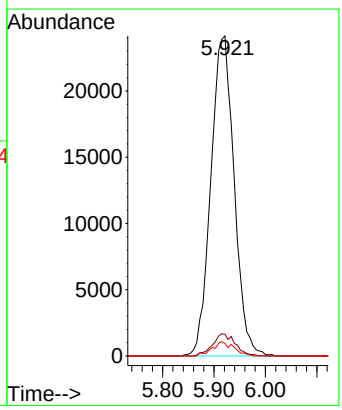


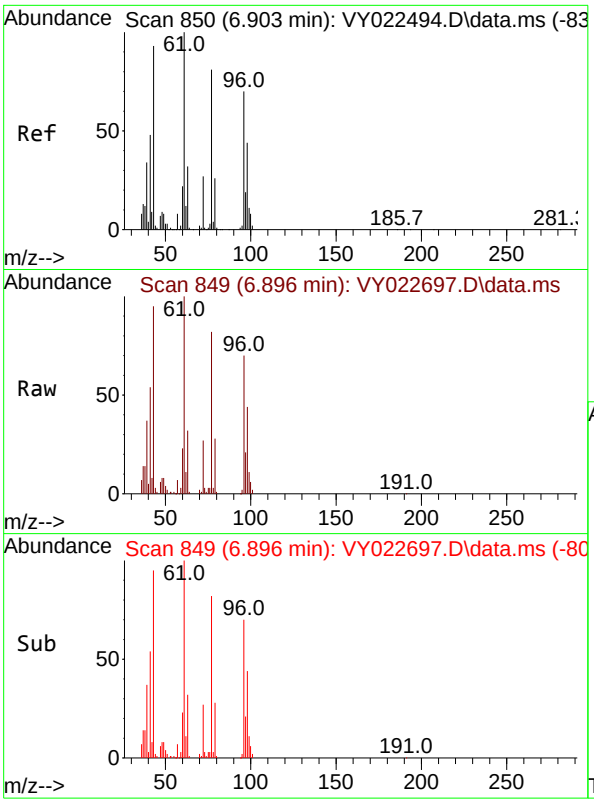


#24
1,1-Dichloroethane
Concen: 22.220 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 63 Resp: 76065

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.1
100	3.9	2.1	6.3





#25
2-Butanone
Concen: 123.411 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

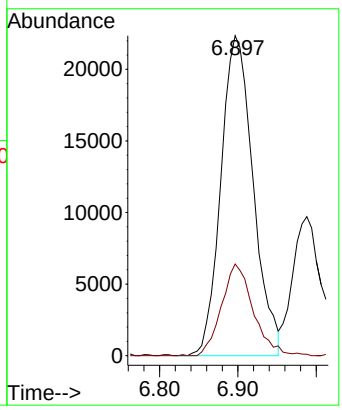
Tgt Ion: 43 Resp: 6411

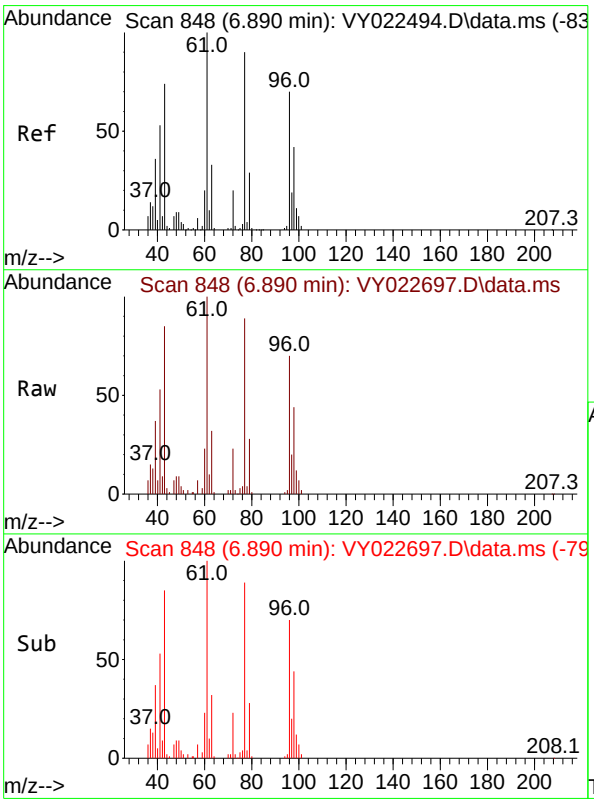
Ion	Ratio	Lower	Upper
43	100		
72	28.6	22.9	34.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

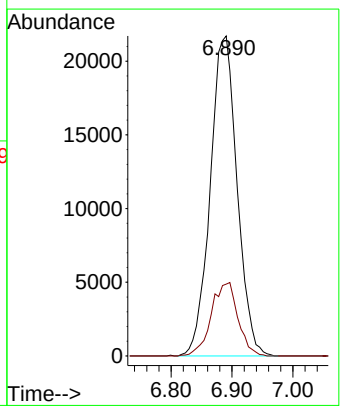


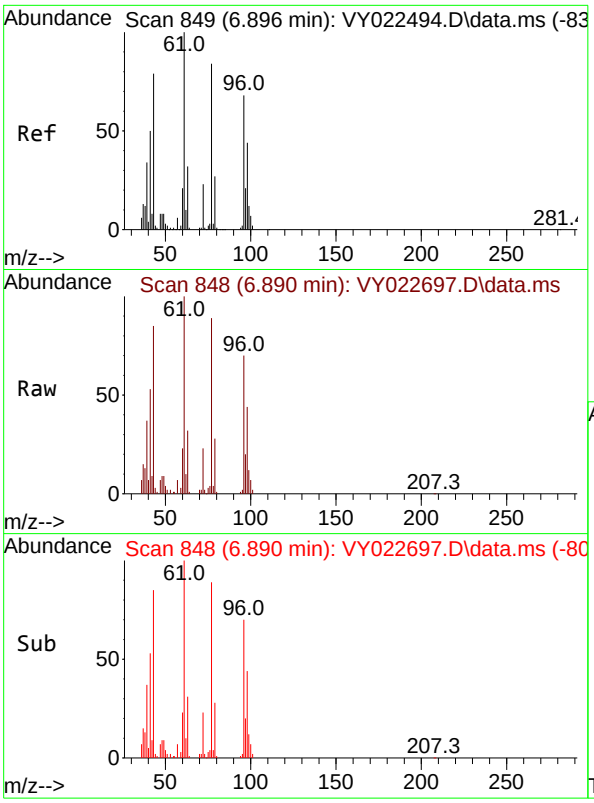


#26
2,2-Dichloropropane
Concen: 21.972 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 77 Resp: 66458

Ion	Ratio	Lower	Upper
77	100		
97	22.9	11.4	34.2





#27
cis-1,2-Dichloroethene
Concen: 21.574 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

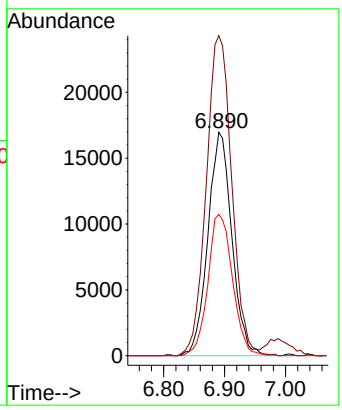
Tgt Ion: 96 Resp: 4641

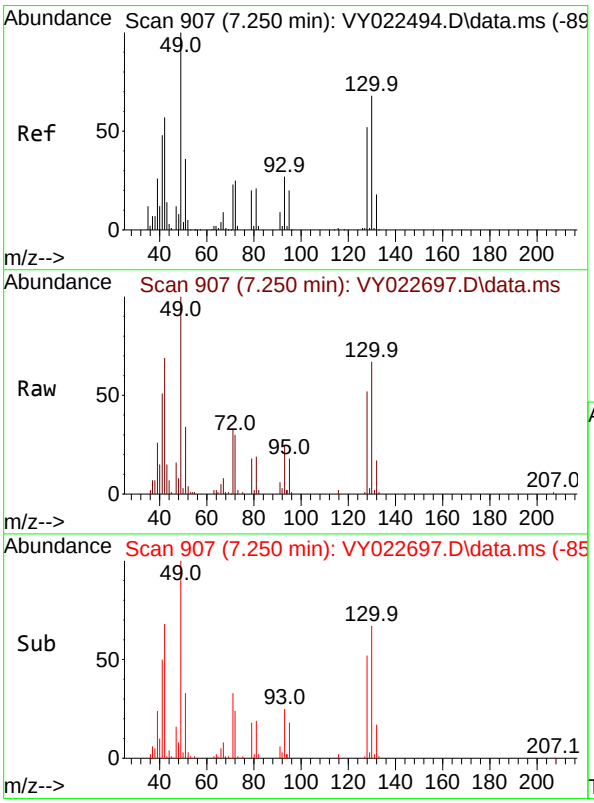
Ion	Ratio	Lower	Upper
96	100		
61	152.0	0.0	290.0
98	64.9	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

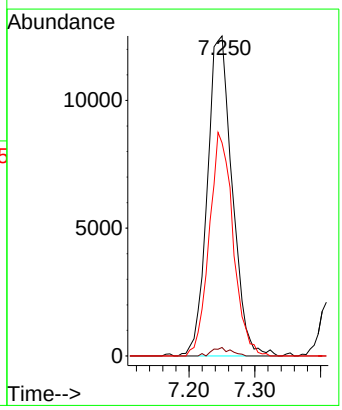


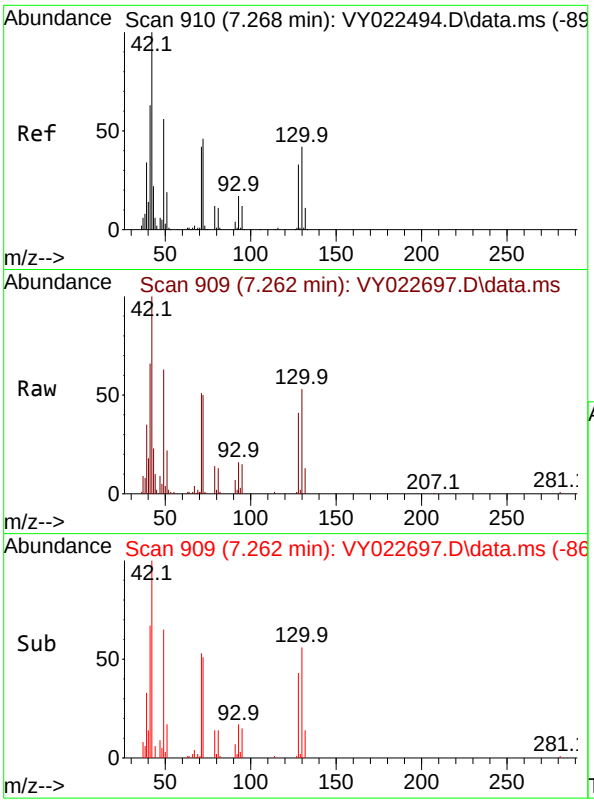


#28
Bromochloromethane
Concen: 22.107 ug/l
RT: 7.250 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 49 Resp: 32989

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	66.8	55.7	83.5

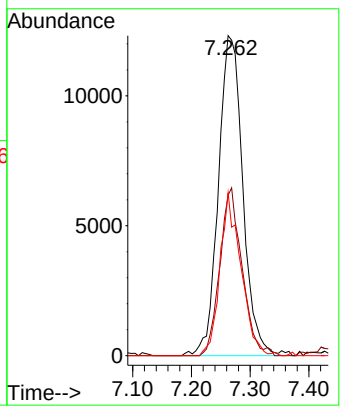




#29
Tetrahydrofuran
Concen: 106.057 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 42 Resp: 3553

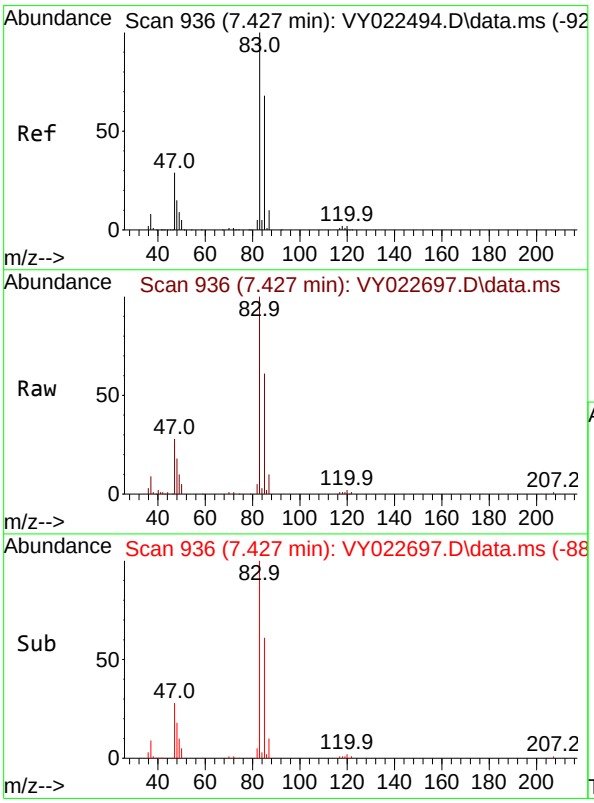
Ion	Ratio	Lower	Upper
42	100		
72	47.7	37.4	56.2
71	43.9	34.2	51.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

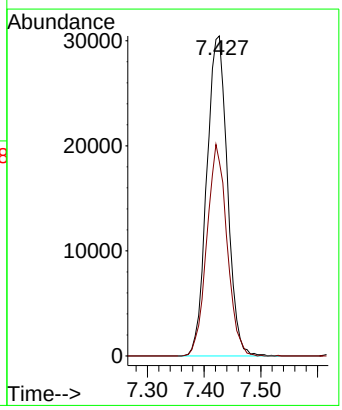
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

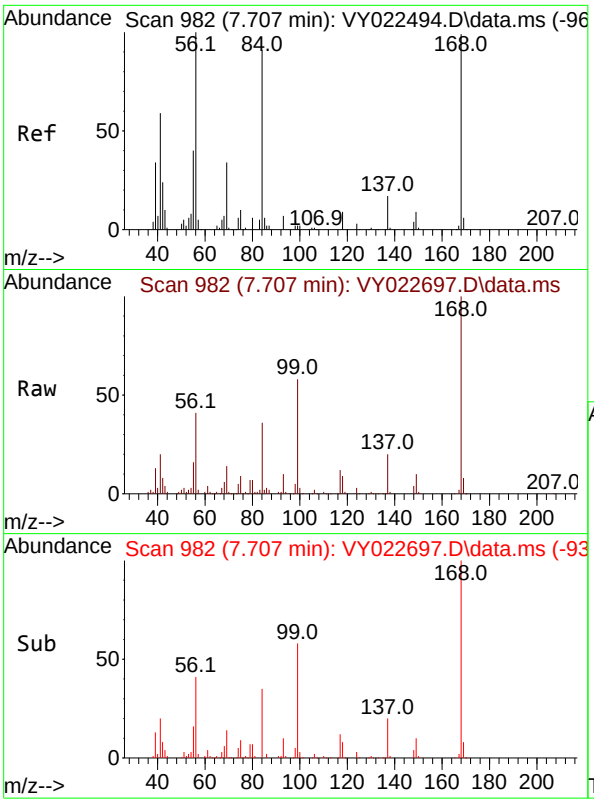


#30
Chloroform
Concen: 22.651 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 83 Resp: 76803

Ion	Ratio	Lower	Upper
83	100		
85	60.7	54.2	81.4





#31
Cyclohexane
Concen: 20.161 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

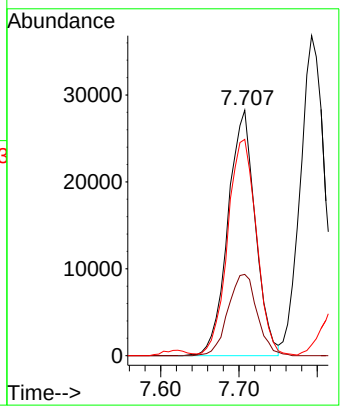
Tgt Ion: 56 Resp: 6871

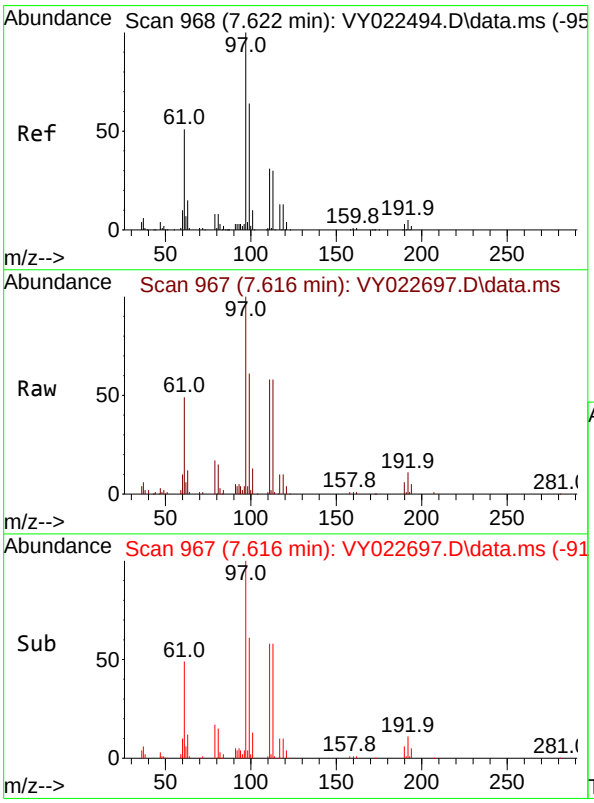
Ion	Ratio	Lower	Upper
56	100		
69	33.1	27.0	40.6
84	86.1	72.6	109.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

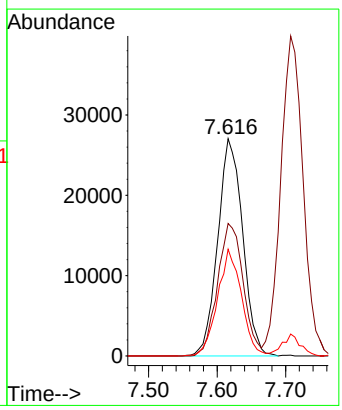


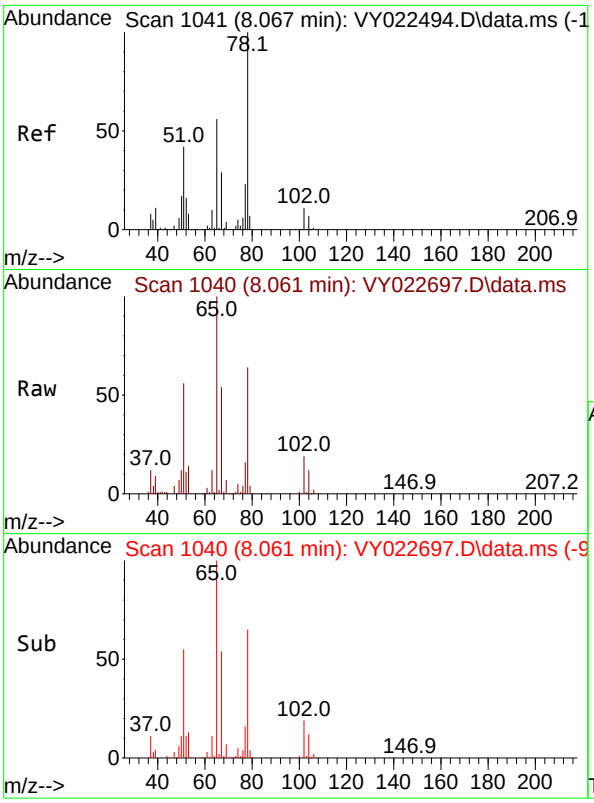


#32
1,1,1-Trichloroethane
Concen: 22.710 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 97 Resp: 68356

Ion	Ratio	Lower	Upper
97	100		
99	62.7	50.9	76.3
61	47.1	38.5	57.7





#33
1,2-Dichloroethane-d4
Concen: 52.044 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

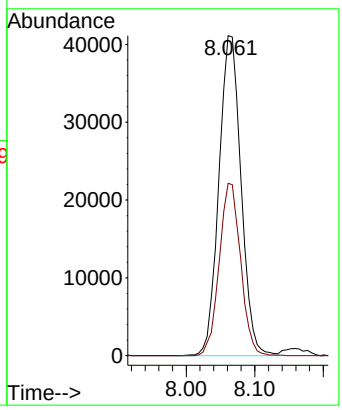
Tgt Ion: 65 Resp: 9230

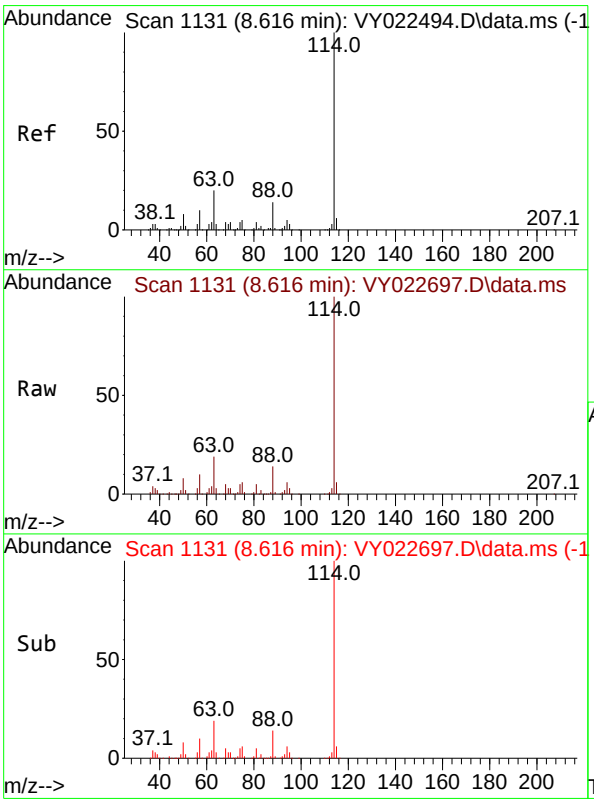
Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

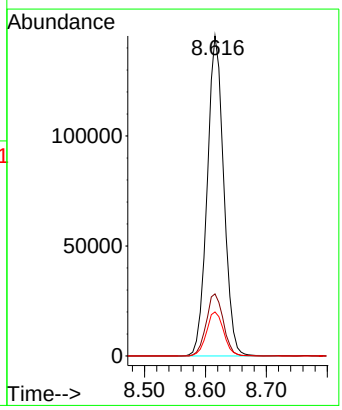


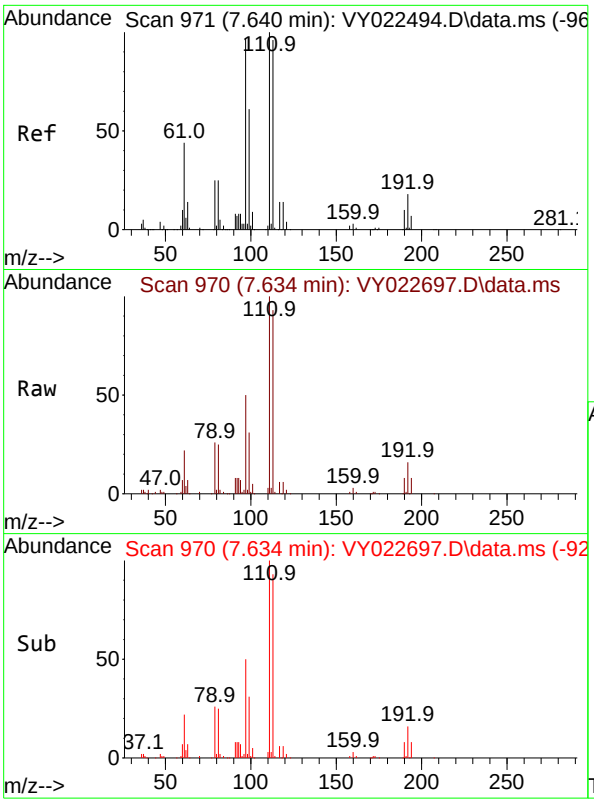


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:114 Resp: 274493

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	40.8
88	13.8	0.0	27.8





#35
Dibromofluoromethane
Concen: 51.426 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

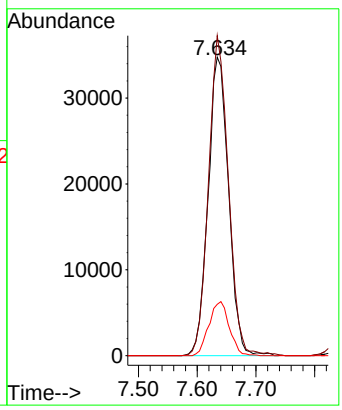
Tgt Ion:113 Resp: 8425

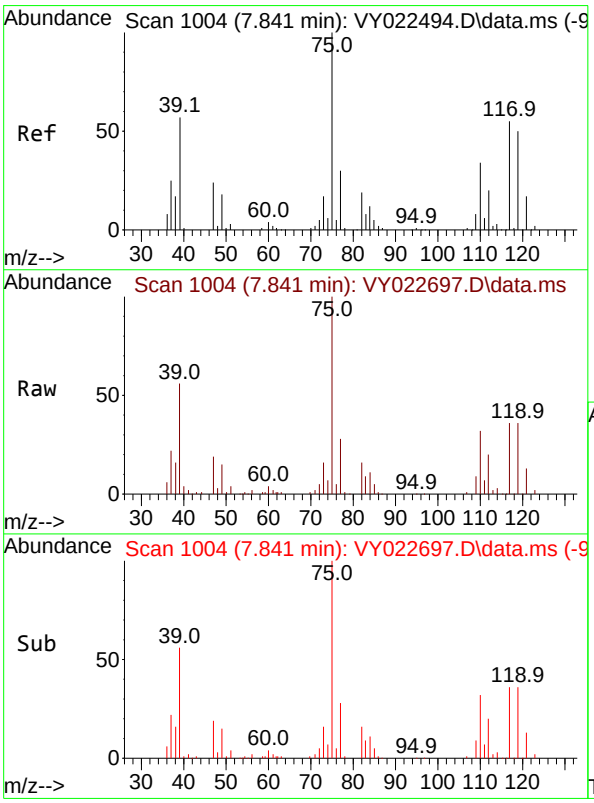
Ion	Ratio	Lower	Upper
113	100		
111	104.3	81.1	121.7
192	18.0	14.2	21.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

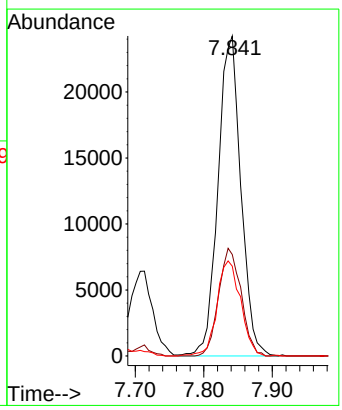


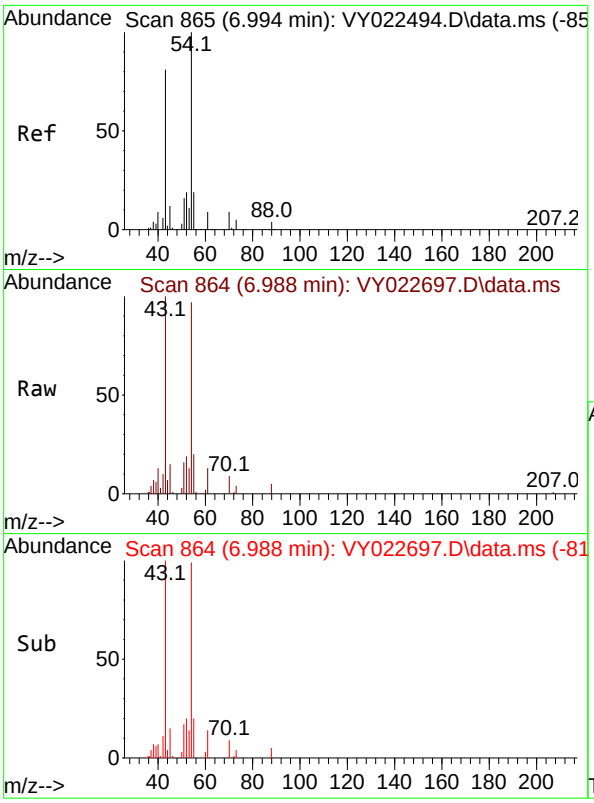


#36
1,1-Dichloropropene
Concen: 21.139 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 75 Resp: 56212

Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.9	50.7
77	30.7	24.8	37.2





#37
Ethyl Acetate
Concen: 21.787 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

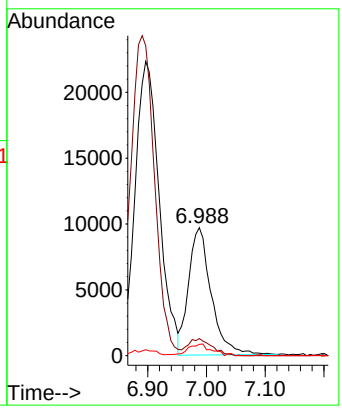
Tgt Ion: 43 Resp: 2583

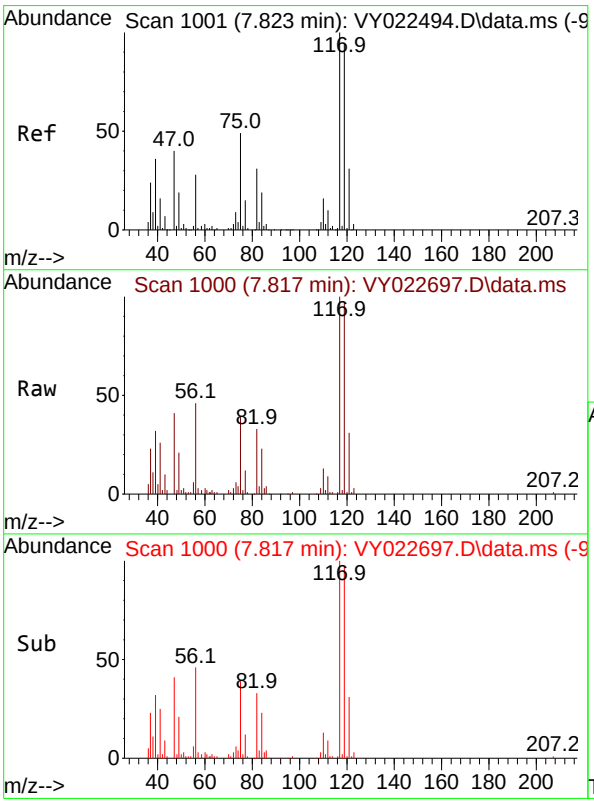
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.5	17.3
70	9.8	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

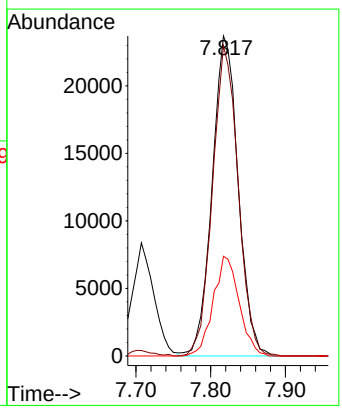


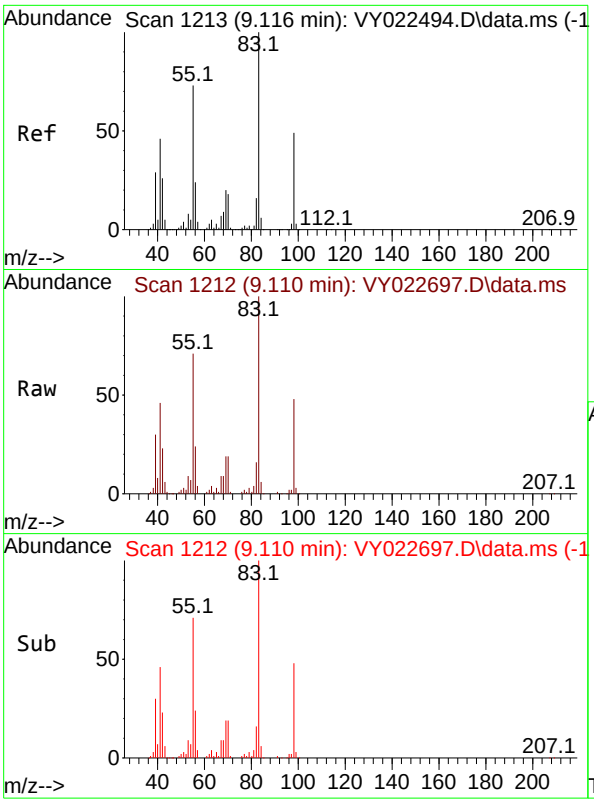


#38
Carbon Tetrachloride
Concen: 21.047 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:117 Resp: 57413

Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.0	112.6
121	31.1	25.0	37.4





#39
Methylcyclohexane
Concen: 19.690 ug/l
RT: 9.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

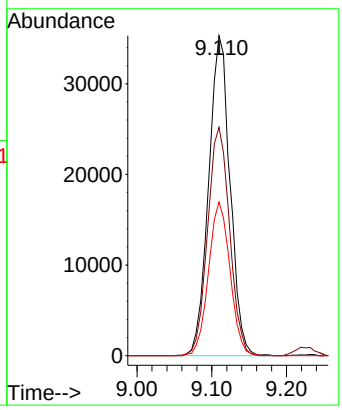
Tgt Ion: 83 Resp: 7036

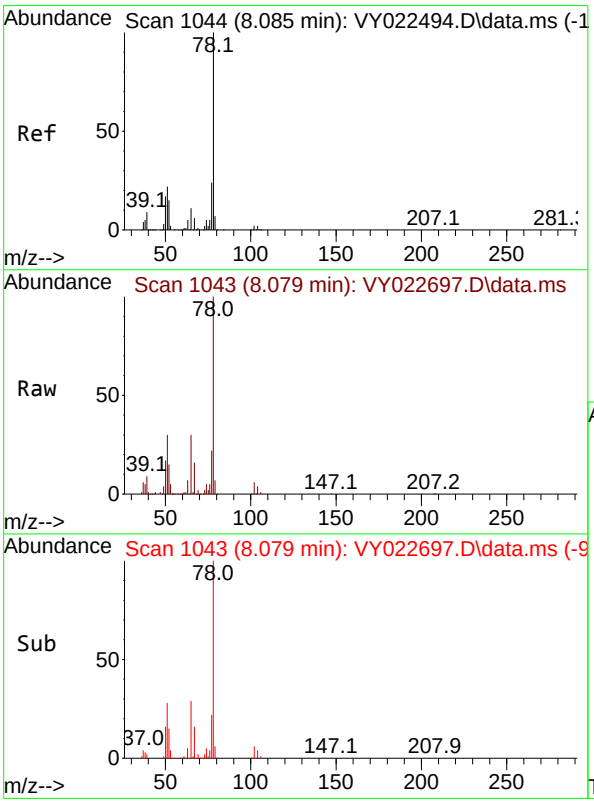
Ion	Ratio	Lower	Upper
83	100		
55	71.3	58.1	87.1
98	48.0	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

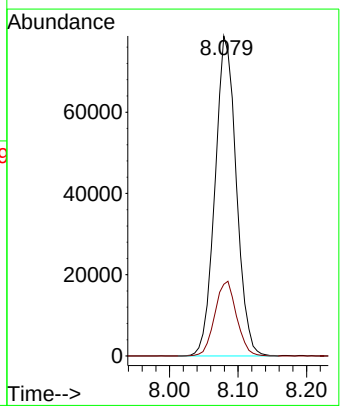


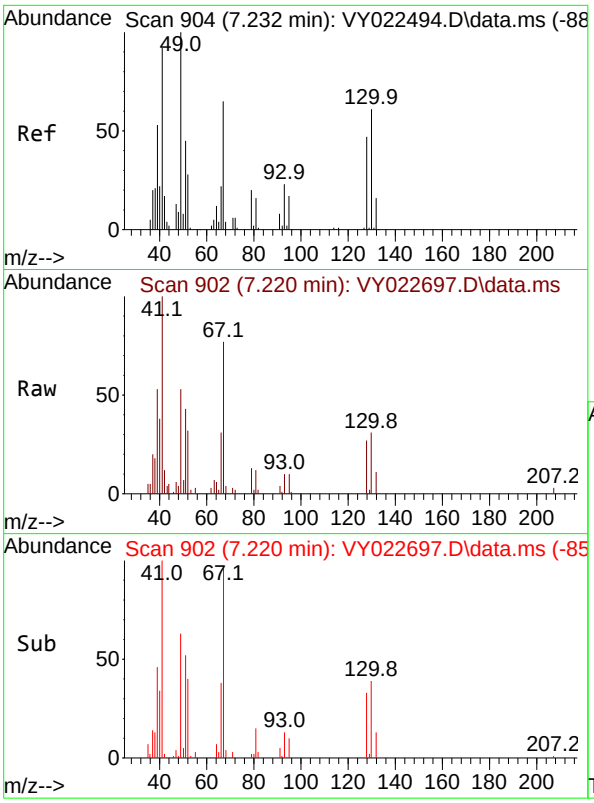


#40
Benzene
Concen: 21.624 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 78 Resp: 169830

Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.3	28.9

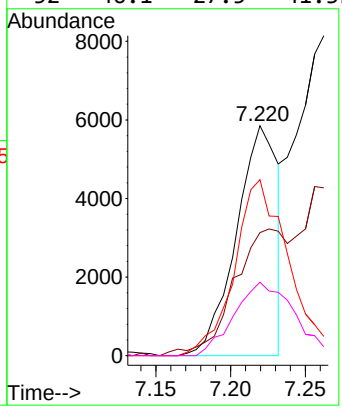




#41
Methacrylonitrile
Concen: 16.295 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 41 Resp: 1128

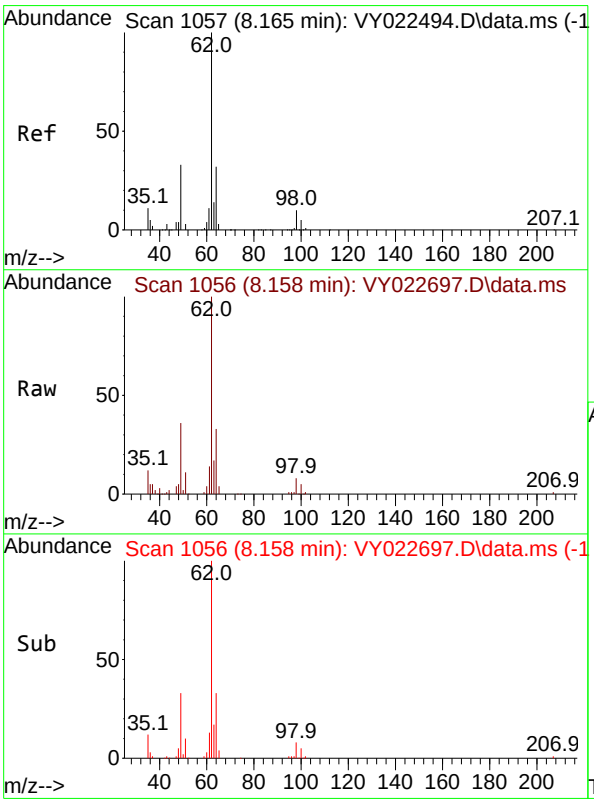
Ion	Ratio	Lower	Upper
41	100		
39	70.2	46.6	69.8#
67	101.4	63.3	94.9#
52	46.1	27.5	41.3#



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

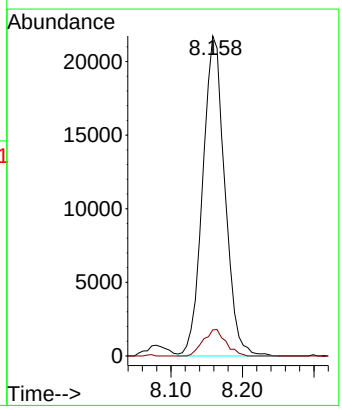
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

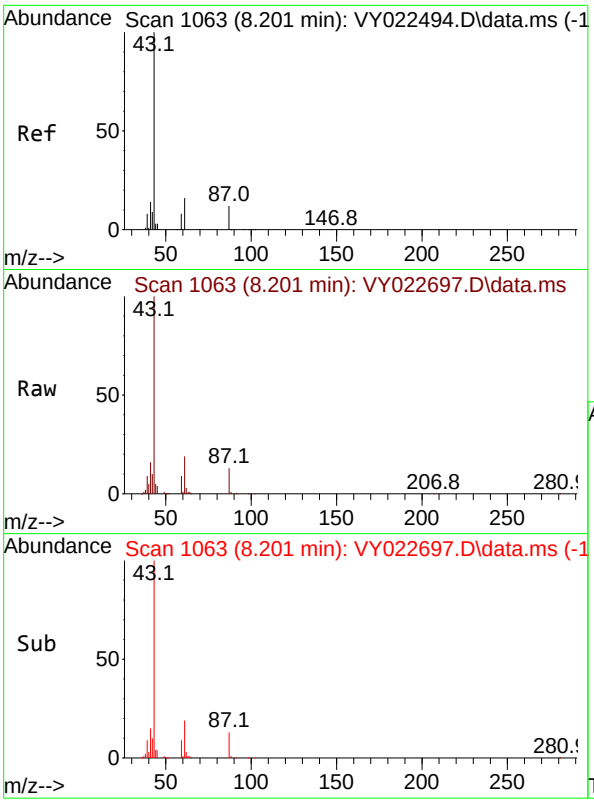


#42
1,2-Dichloroethane
Concen: 21.775 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 62 Resp: 46696

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	19.2





#43
Isopropyl Acetate
Concen: 20.280 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

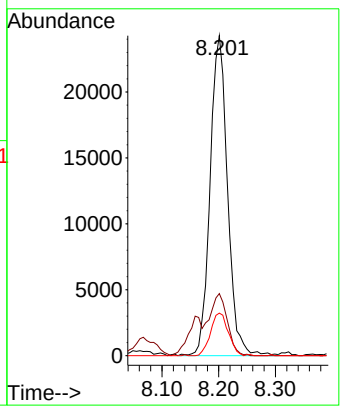
Tgt Ion: 43 Resp: 5193

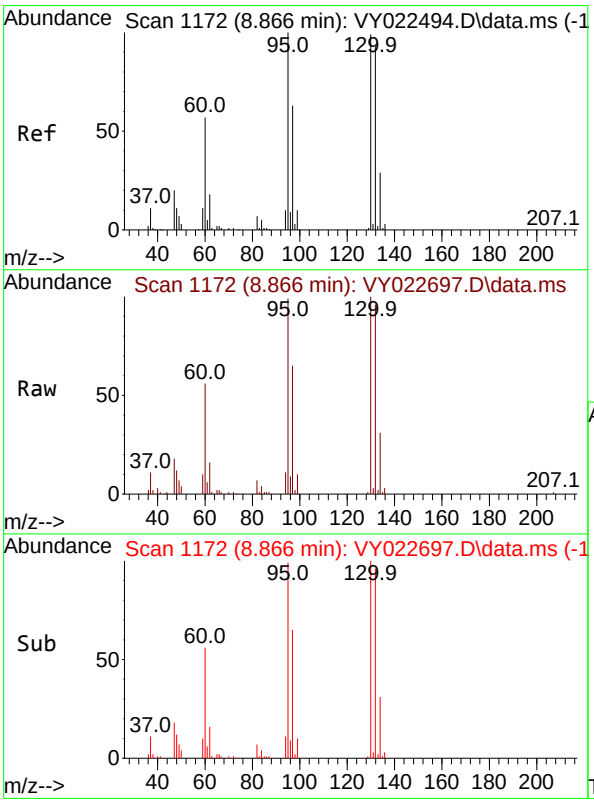
Ion	Ratio	Lower	Upper
43	100		
61	18.3	15.6	23.4
87	13.6	10.2	15.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

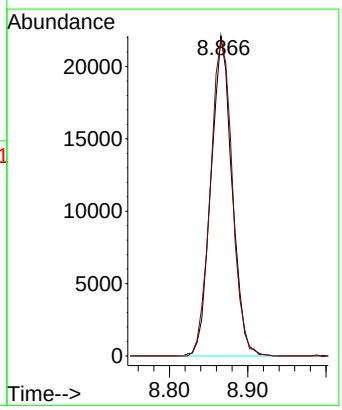


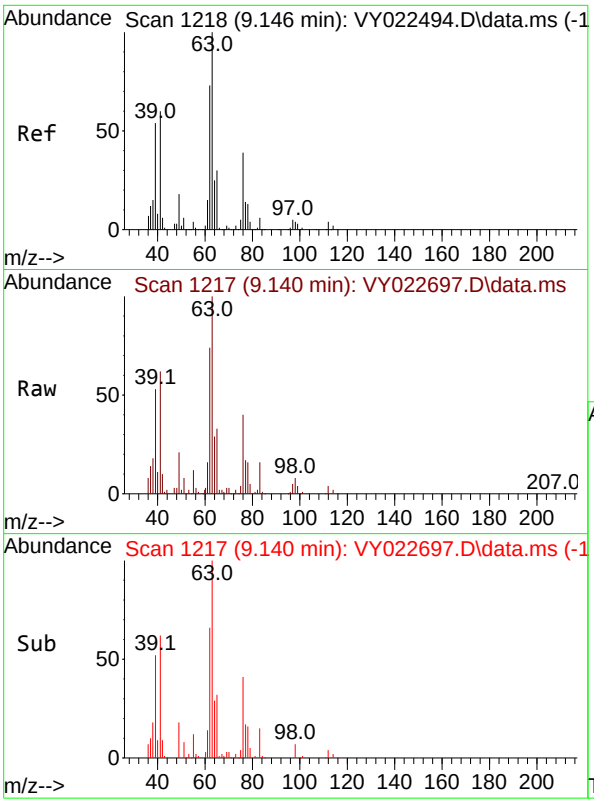


#44
Trichloroethene
Concen: 21.498 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:130 Resp: 41267

Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	203.0

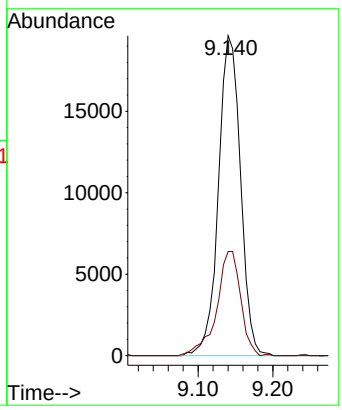




#45
1,2-Dichloropropane
Concen: 21.749 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 63 Resp: 4036

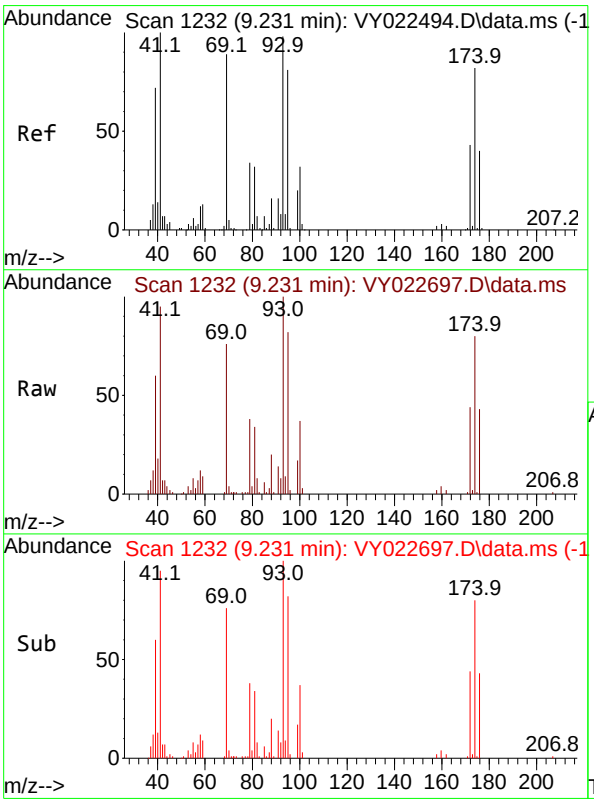
Ion	Ratio	Lower	Upper
63	100		
65	32.6	24.0	36.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

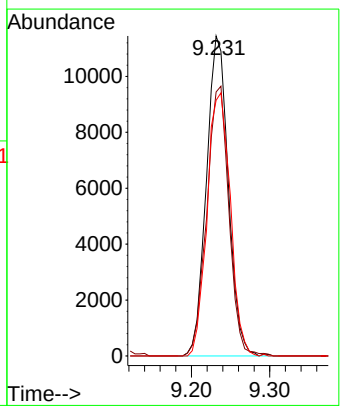
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

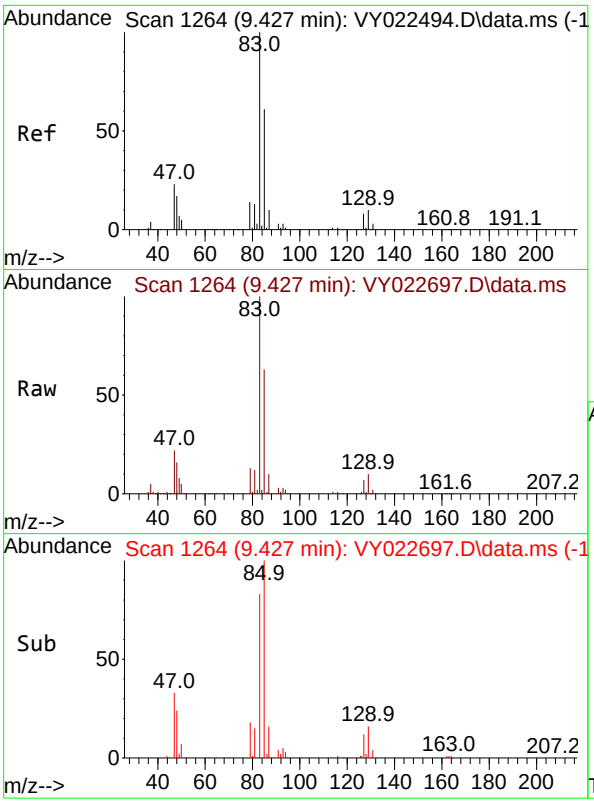


#46
Dibromomethane
Concen: 21.257 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 93 Resp: 22198

Ion	Ratio	Lower	Upper
93	100		
95	85.5	65.6	98.4
174	87.3	70.4	105.6

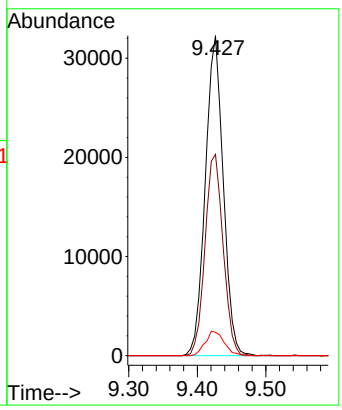




#47
Bromodichloromethane
Concen: 22.169 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 83 Resp: 5870

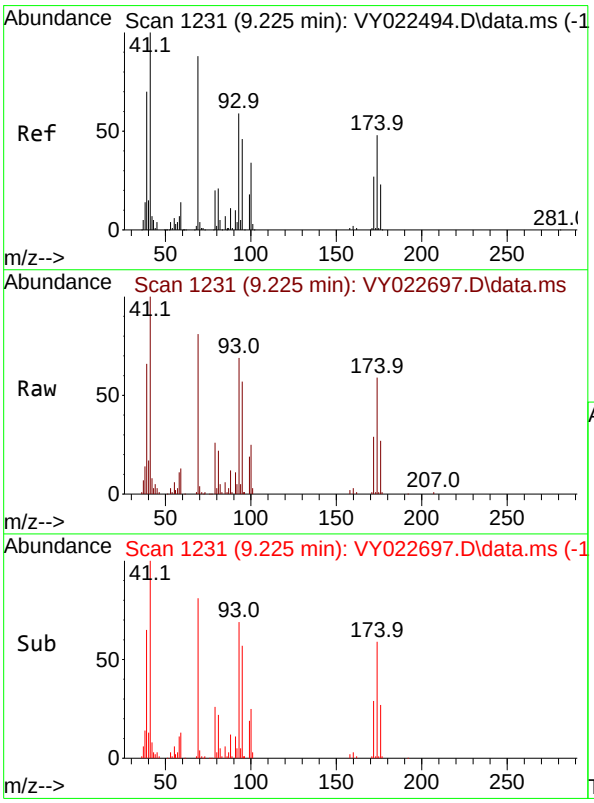
Ion	Ratio	Lower	Upper
83	100		
85	62.9	49.1	73.7
127	7.3	6.2	9.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

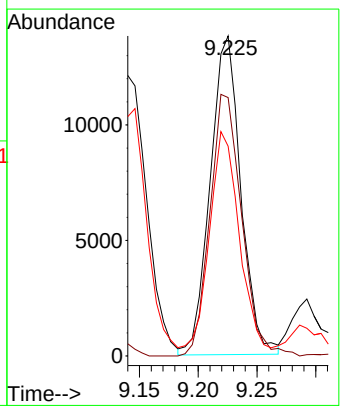
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

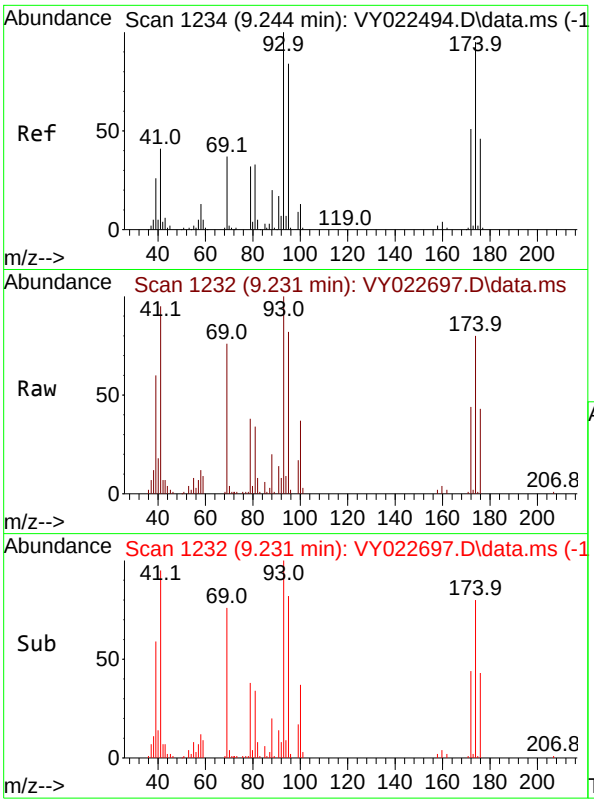


#48
Methyl methacrylate
Concen: 20.836 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 41 Resp: 25045

Ion	Ratio	Lower	Upper
41	100		
69	84.9	67.8	101.8
39	65.1	55.0	82.4





#49
1,4-Dioxane
Concen: 430.920 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

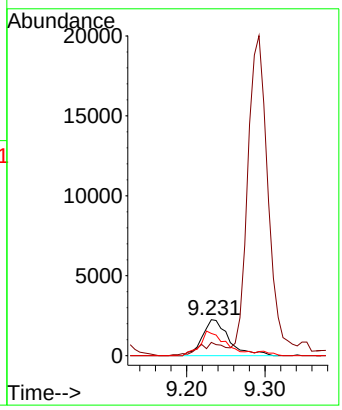
Tgt Ion: 88 Resp: 533

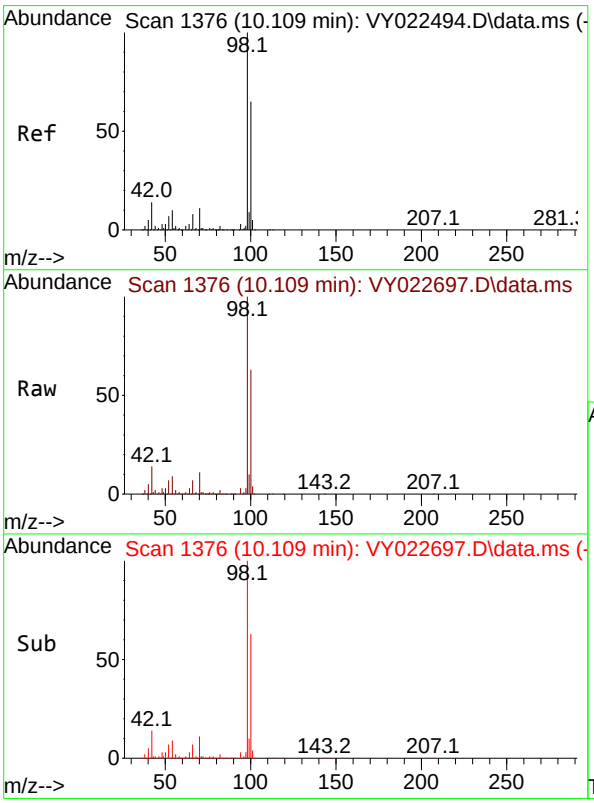
Ion	Ratio	Lower	Upper
88	100		
43	36.8	25.4	38.2
58	66.1	54.9	82.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

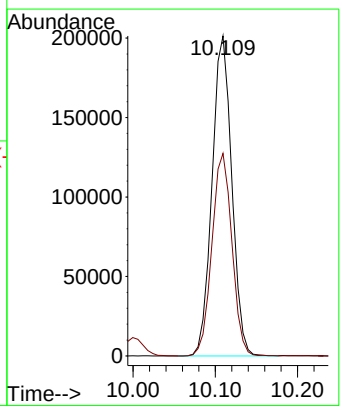


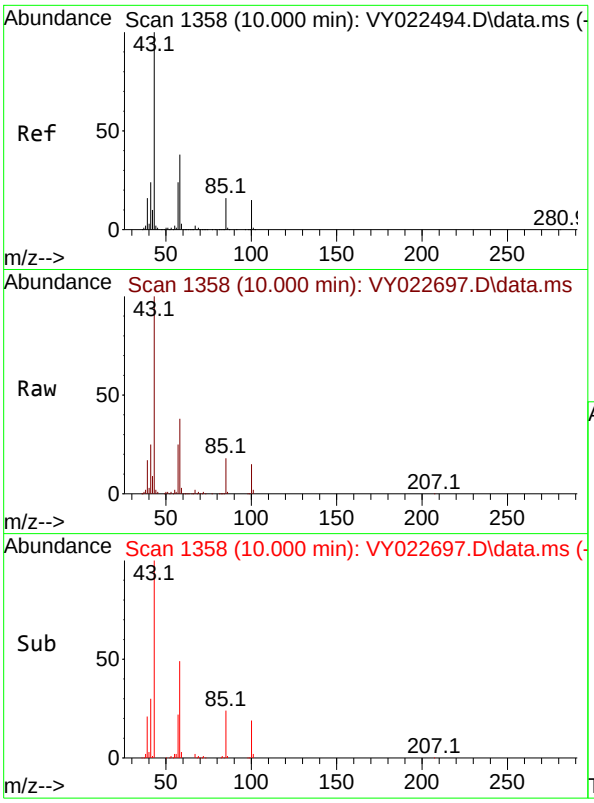


#50
Toluene-d8
Concen: 50.710 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 98 Resp: 335707

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.0

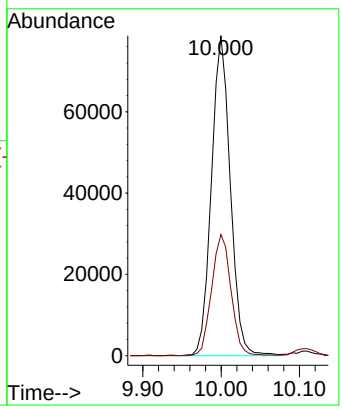




#51
4-Methyl-2-Pentanone
Concen: 103.413 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 43 Resp: 13204

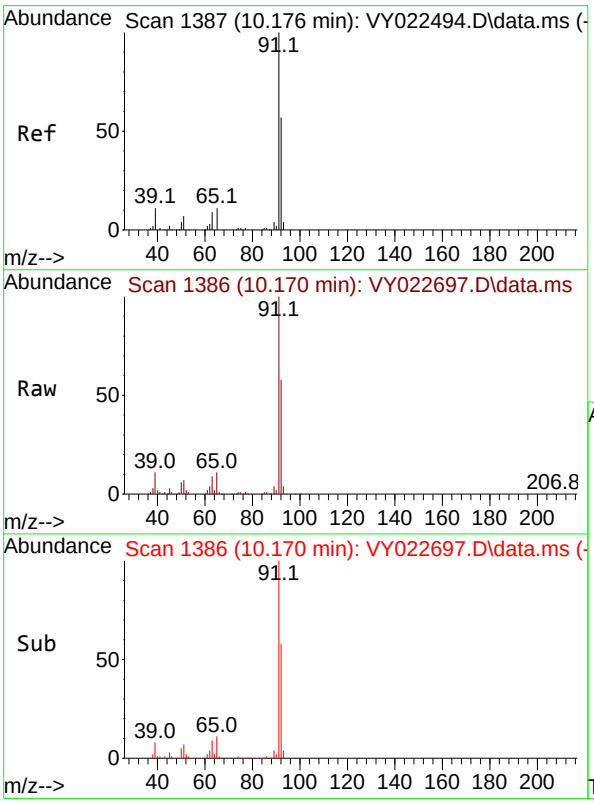
Ion	Ratio	Lower	Upper
43	100		
58	38.9	30.4	45.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

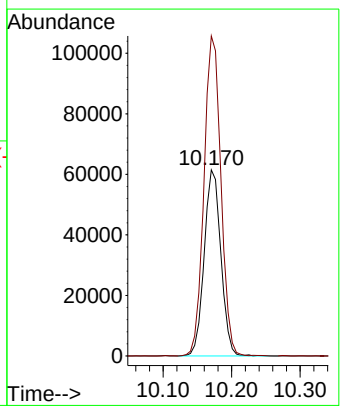
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

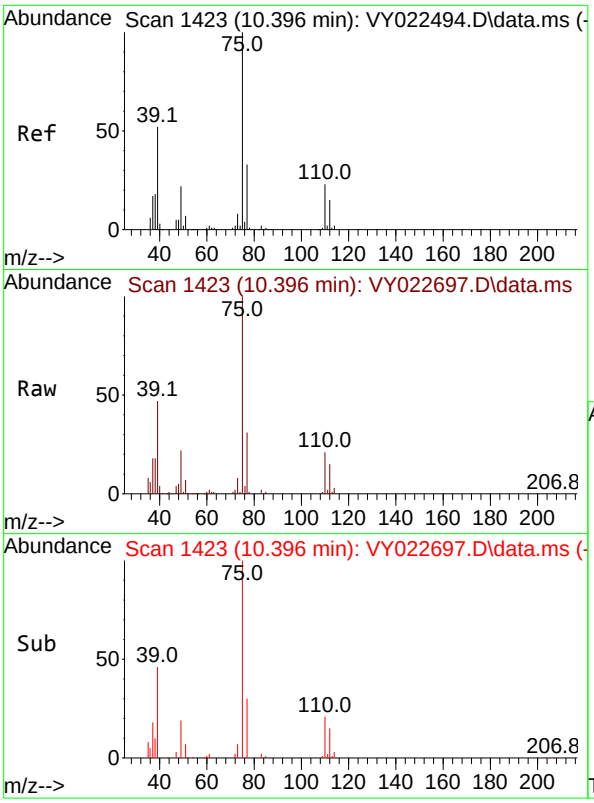


#52
Toluene
Concen: 21.081 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 92 Resp: 104048

Ion	Ratio	Lower	Upper
92	100		
91	174.6	139.0	208.4

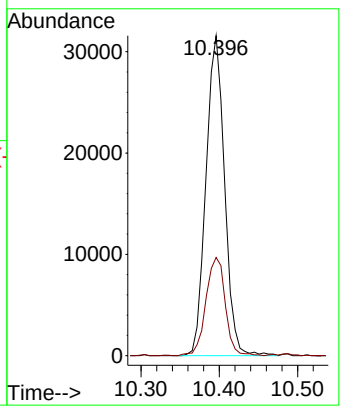




#53
t-1,3-Dichloropropene
Concen: 21.003 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 75 Resp: 5210

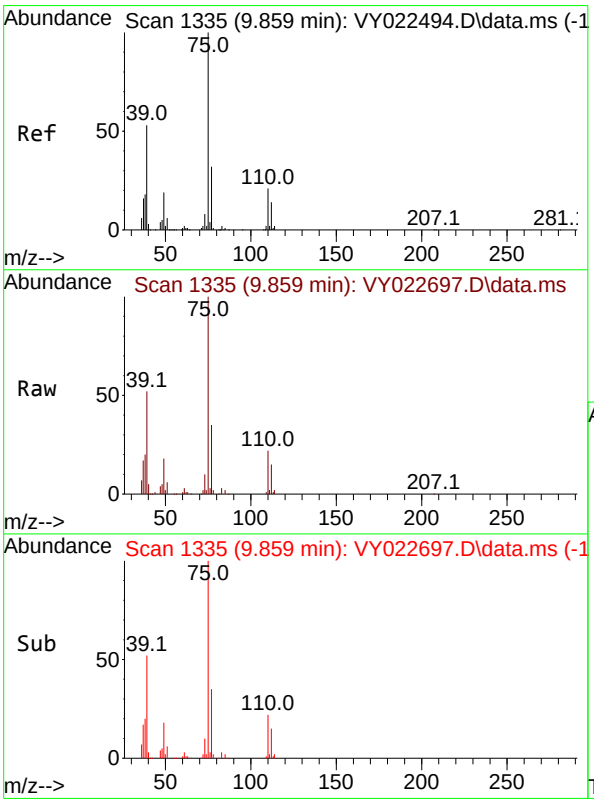
Ion	Ratio	Lower	Upper
75	100		
77	30.7	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

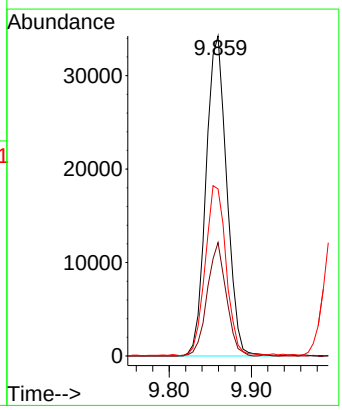
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

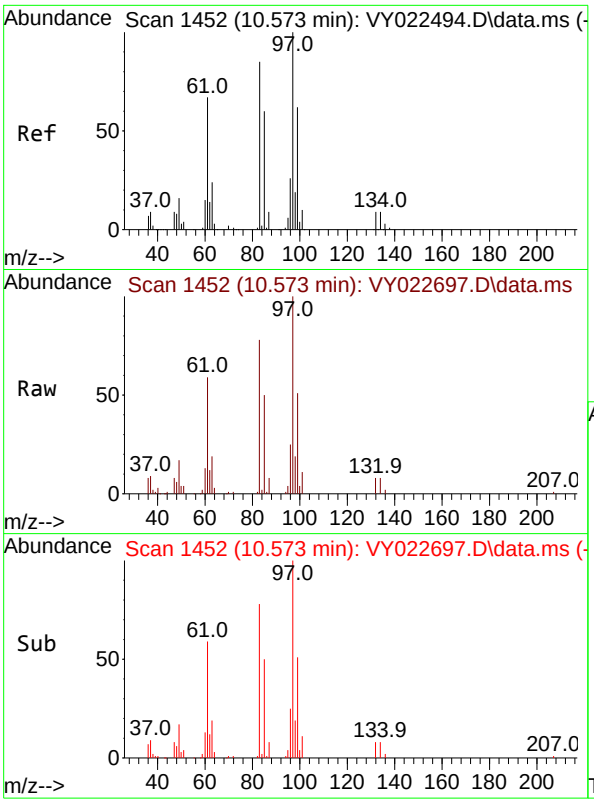


#54
cis-1,3-Dichloropropene
Concen: 20.671 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 75 Resp: 59697

Ion	Ratio	Lower	Upper
75	100		
77	35.5	25.3	37.9
39	52.0	42.7	64.1

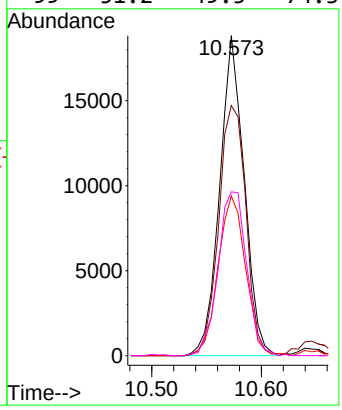




#55
1,1,2-Trichloroethane
Concen: 22.008 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 97 Resp: 2930

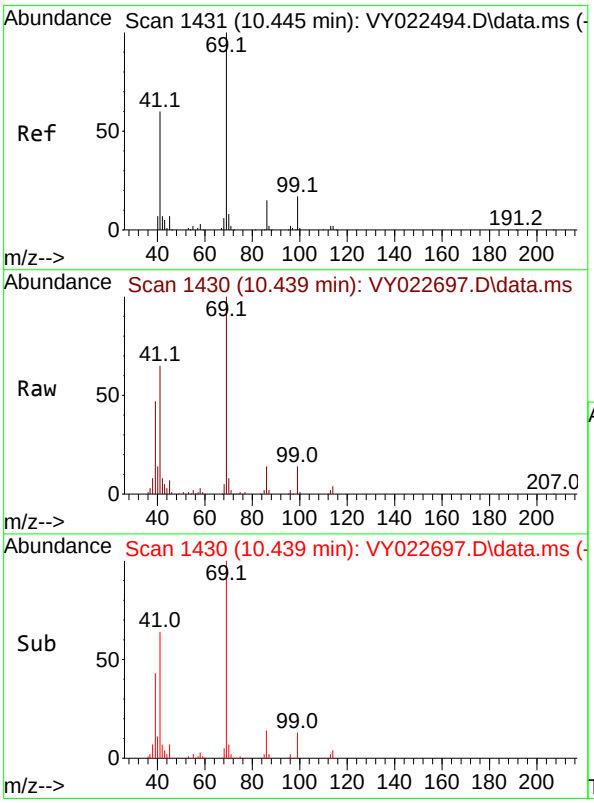
Ion	Ratio	Lower	Upper
97	100		
83	78.1	68.1	102.1
85	50.0	48.2	72.2
99	51.2	49.5	74.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

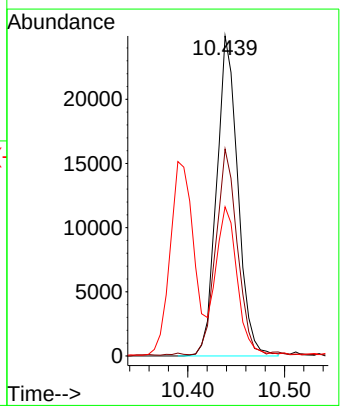
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

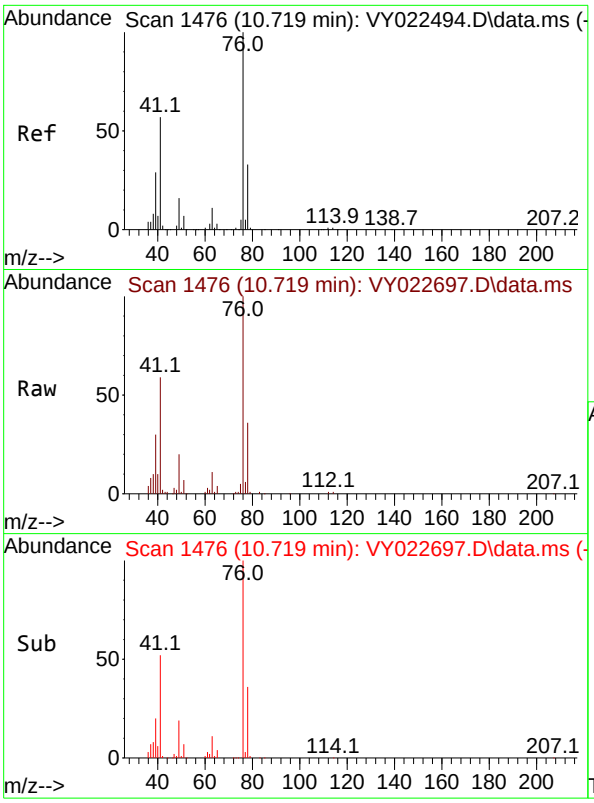


#56
Ethyl methacrylate
Concen: 19.733 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 69 Resp: 37977

Ion	Ratio	Lower	Upper
69	100		
41	64.4	52.2	78.2
39	45.8	36.7	55.1





#57
1,3-Dichloropropane
Concen: 21.304 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

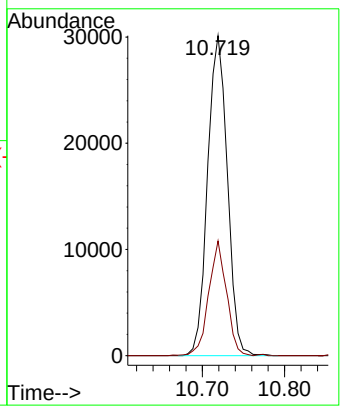
Tgt Ion: 76 Resp: 5027

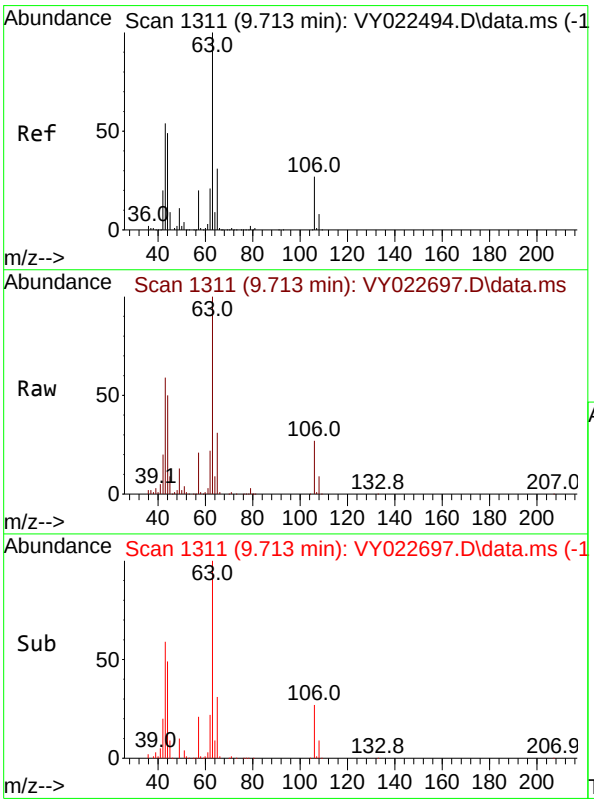
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

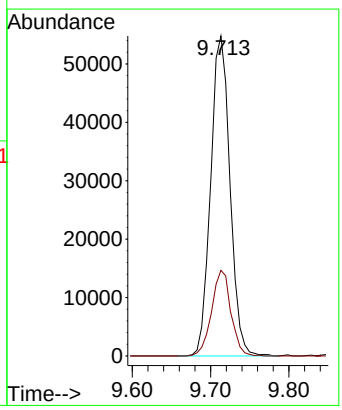


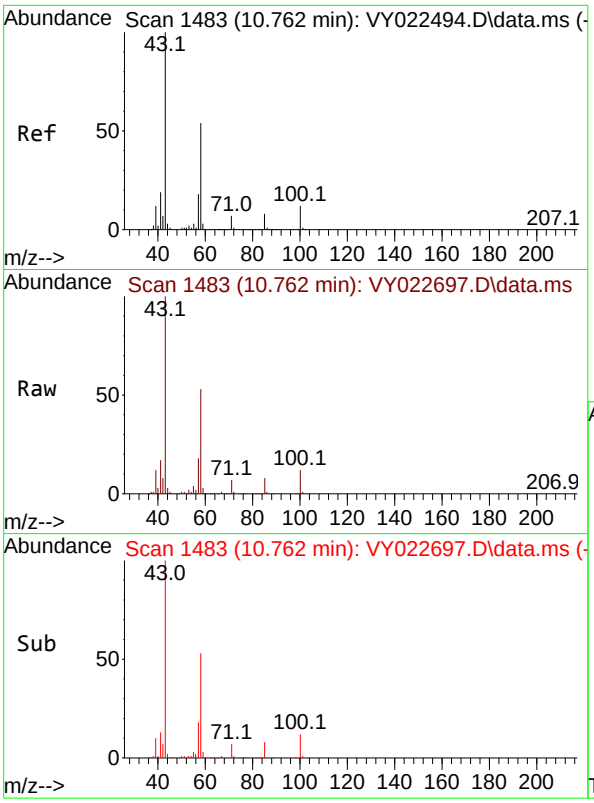


#58
2-Chloroethyl Vinyl ether
Concen: 107.377 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 63 Resp: 93823

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.6	32.4





#59
2-Hexanone
Concen: 108.059 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

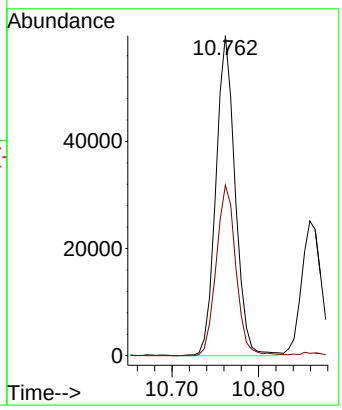
Tgt Ion: 43 Resp: 9227

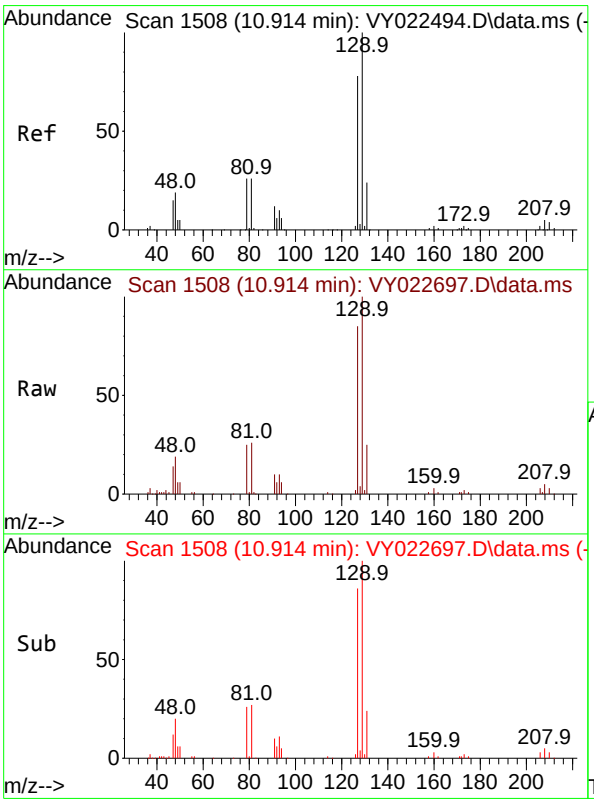
Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

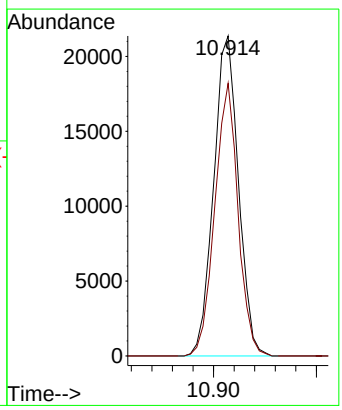


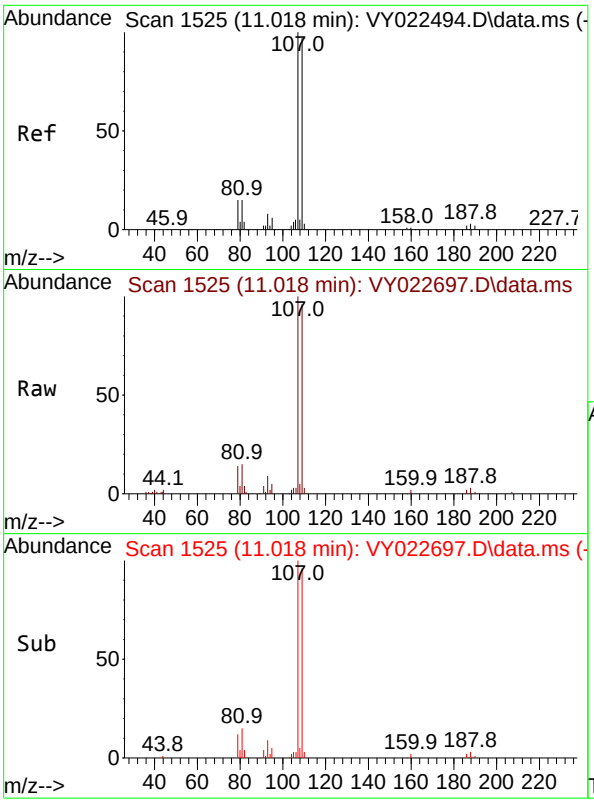


#60
Dibromochloromethane
Concen: 21.123 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:129 Resp: 35744

Ion	Ratio	Lower	Upper
129	100		
127	79.7	39.1	117.2





#61
1,2-Dibromoethane
Concen: 21.959 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

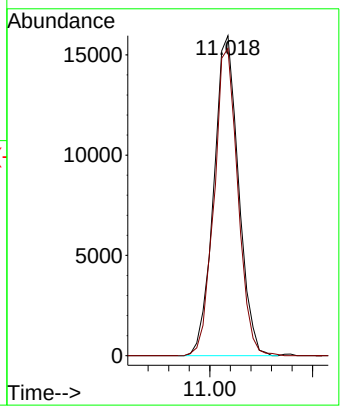
Tgt Ion:107 Resp: 2665

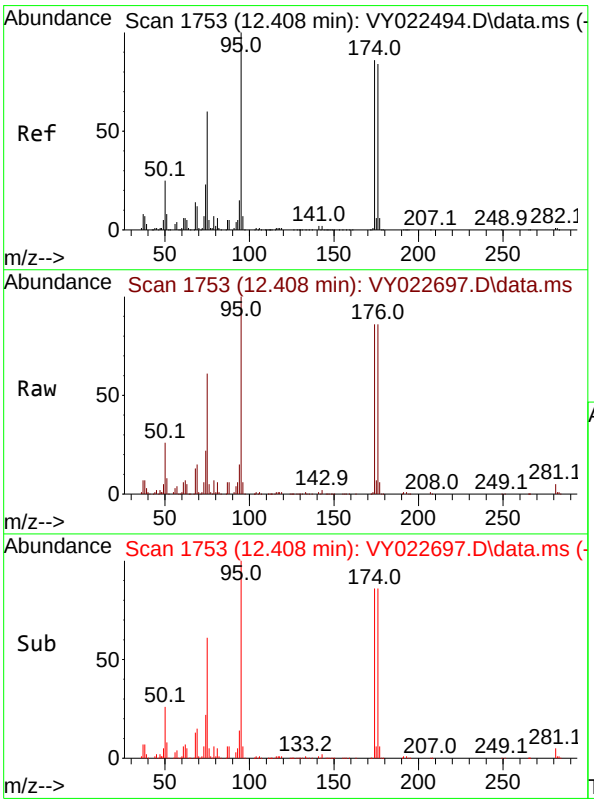
Ion	Ratio	Lower	Upper
107	100		
109	92.0	77.7	116.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

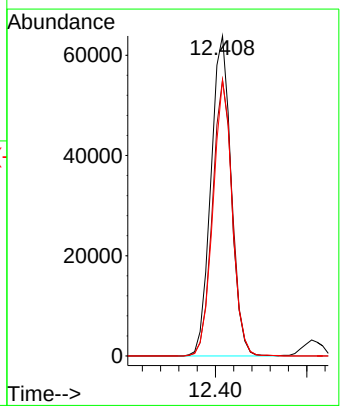


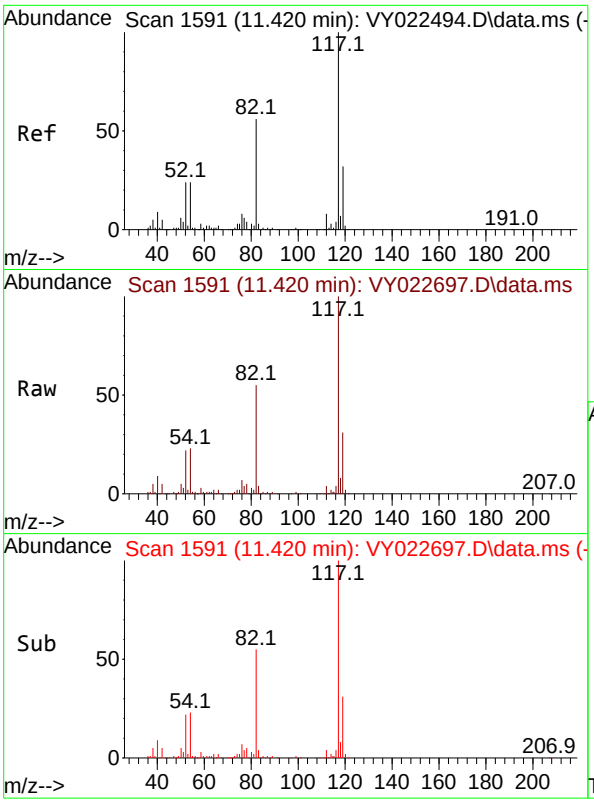


#62
4-Bromofluorobenzene
Concen: 49.582 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 95 Resp: 97799

Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	170.0
176	82.2	0.0	166.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

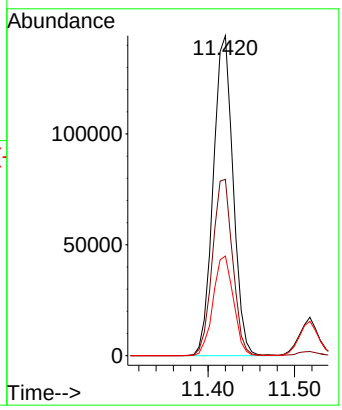
Tgt Ion:117 Resp: 22989

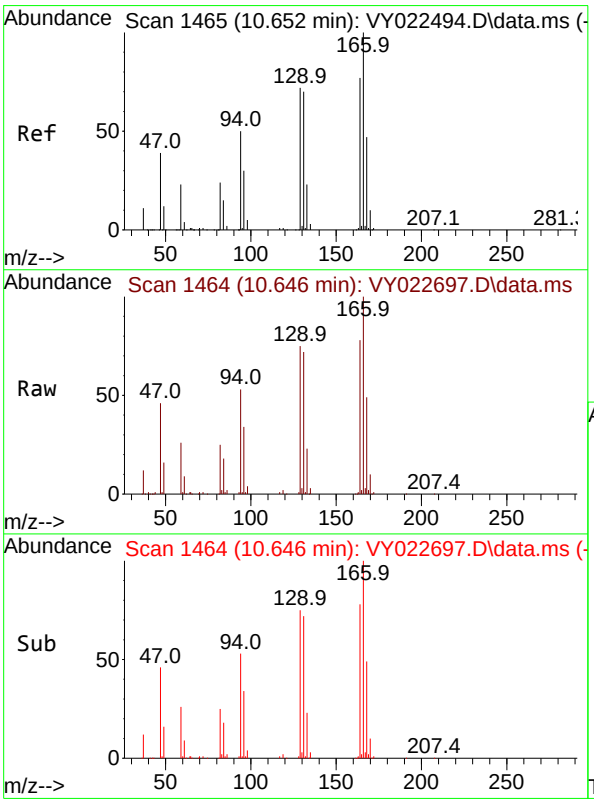
Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.6	66.8
119	31.1	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

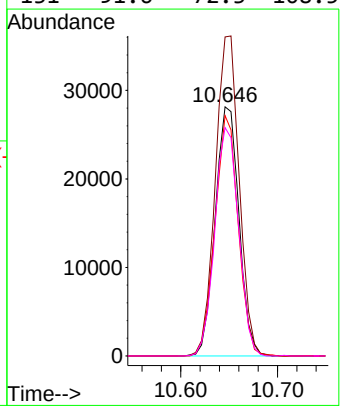


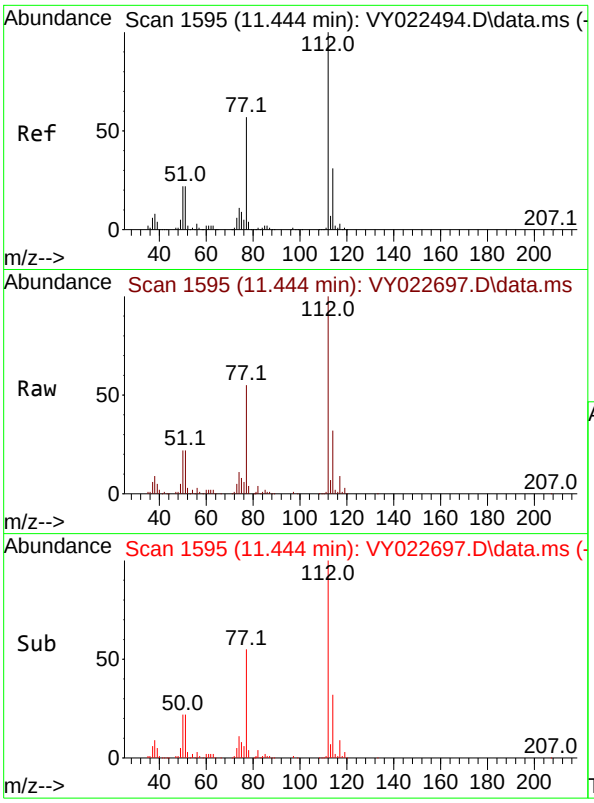


#64
Tetrachloroethene
Concen: 24.280 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:164 Resp: 48016

Ion	Ratio	Lower	Upper
164	100		
166	128.0	104.0	156.0
129	96.4	74.5	111.7
131	91.6	72.3	108.5

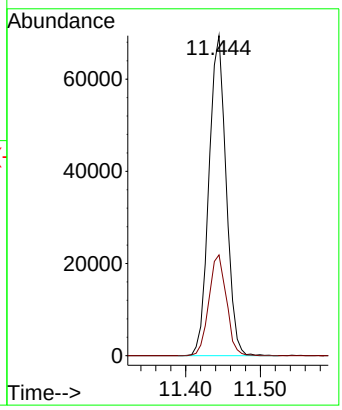




#65
Chlorobenzene
Concen: 21.747 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:112 Resp: 11063

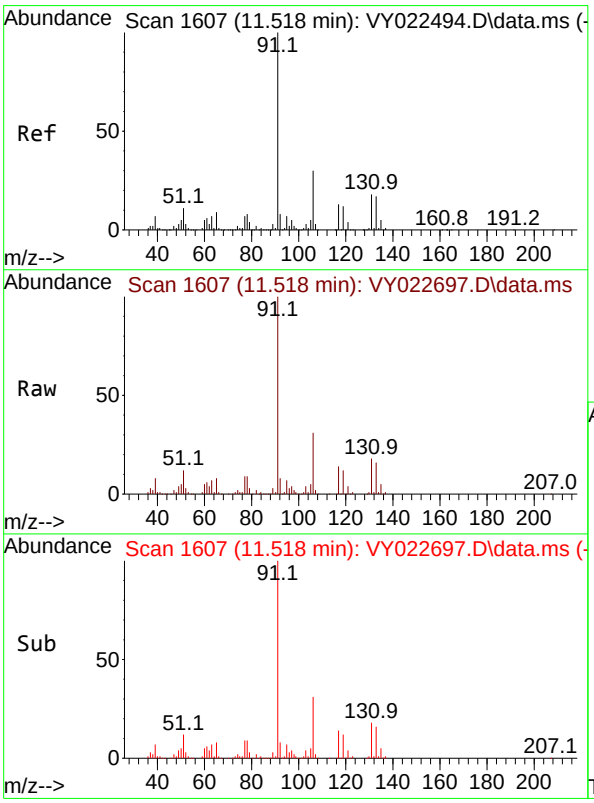
Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

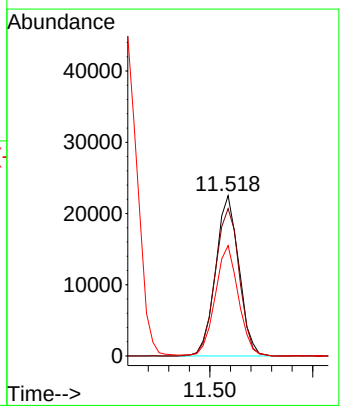
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

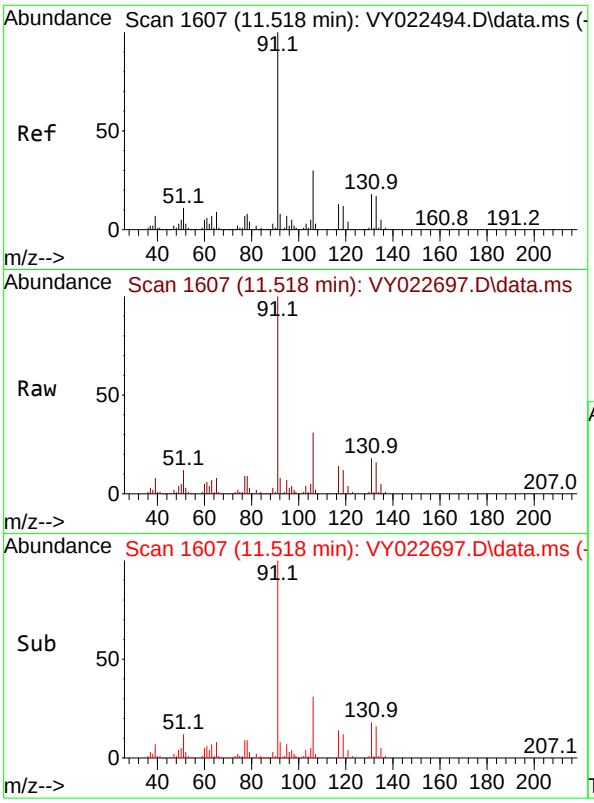


#66
1,1,1,2-Tetrachloroethane
Concen: 20.683 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:131 Resp: 35445

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.3	141.8
119	68.5	33.1	99.3

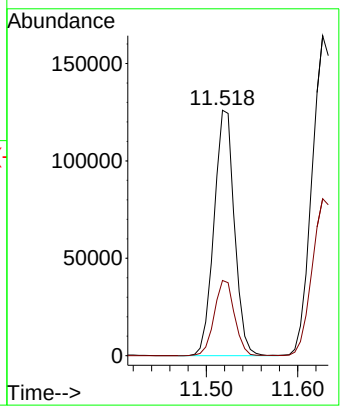




#67
Ethyl Benzene
Concen: 20.702 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 91 Resp: 19533

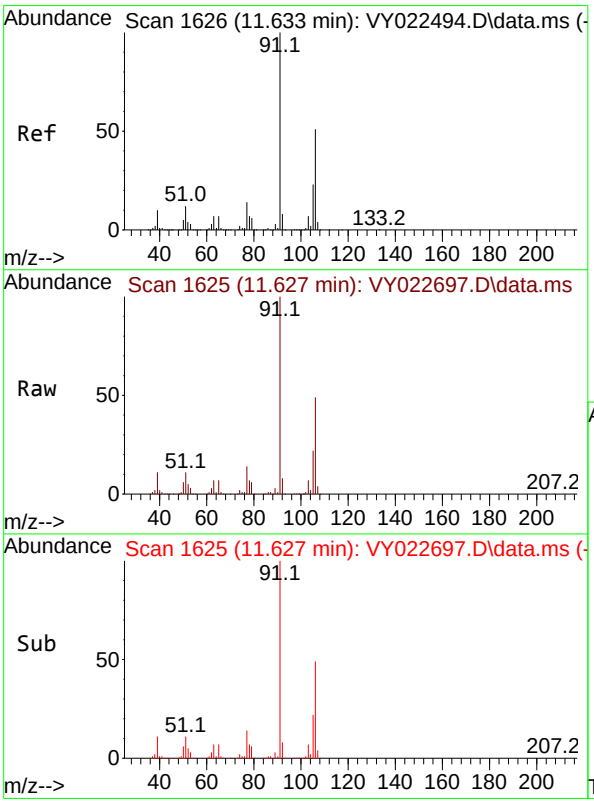
Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.2	36.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

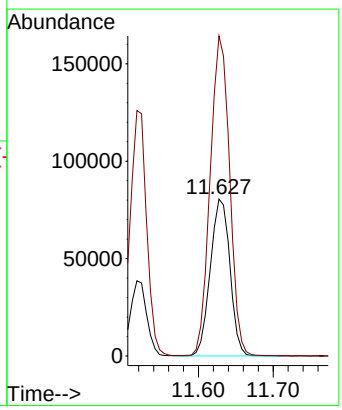
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

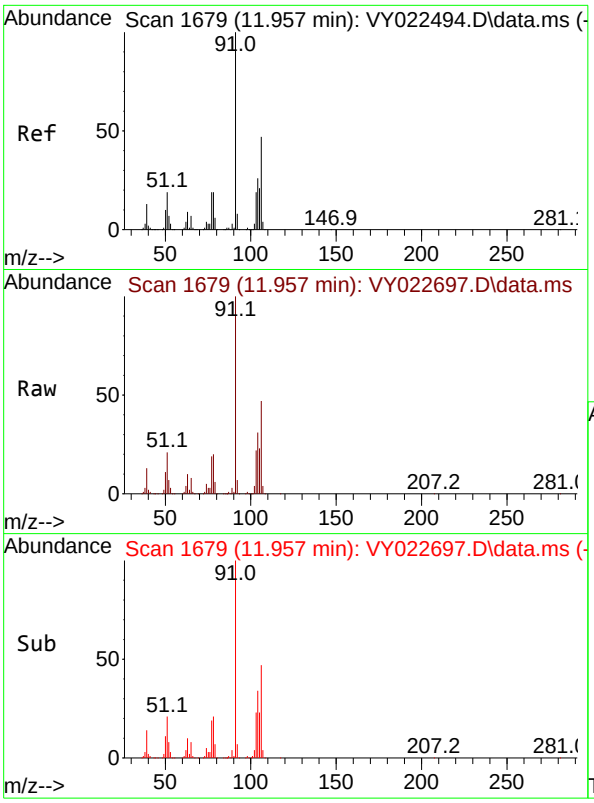


#68
m/p-Xylenes
Concen: 41.160 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:106 Resp: 147231

Ion	Ratio	Lower	Upper
106	100		
91	202.5	159.4	239.0

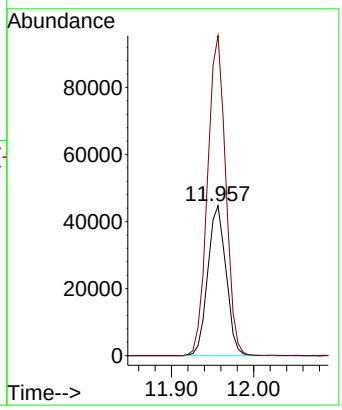




#69
o-Xylene
Concen: 20.588 ug/l
RT: 11.957 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:106 Resp: 6904

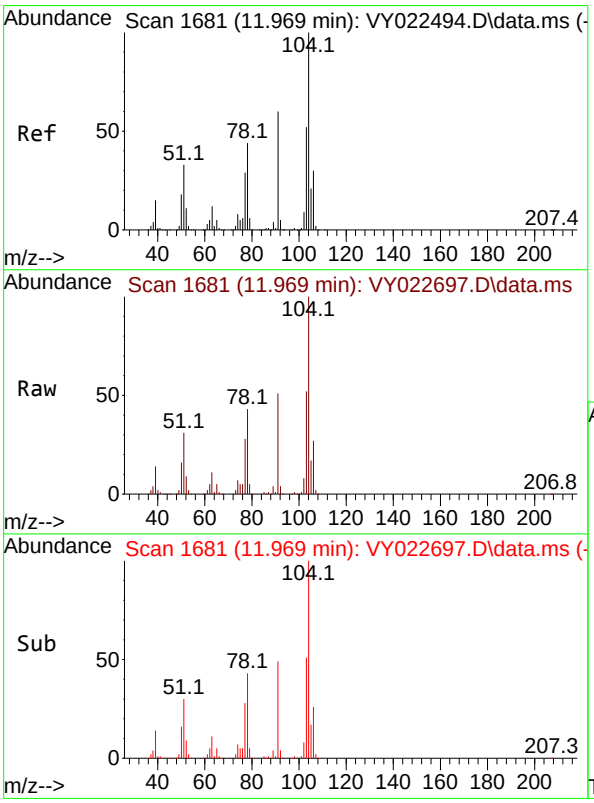
Ion	Ratio	Lower	Upper
106	100		
91	211.9	105.8	317.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

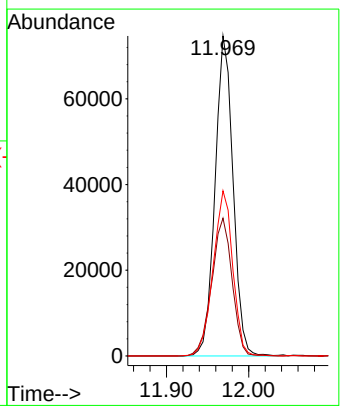
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

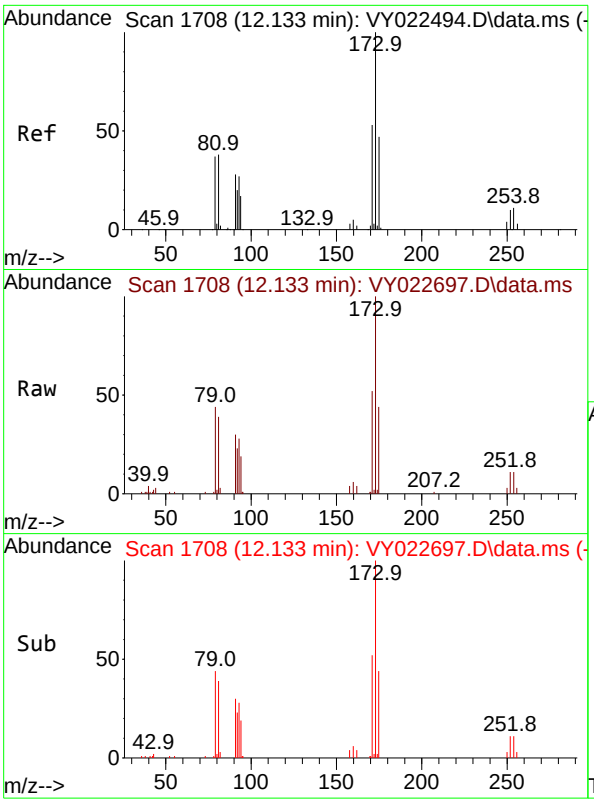


#70
Styrene
Concen: 20.513 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:104 Resp: 113714

Ion	Ratio	Lower	Upper
104	100		
78	48.7	39.5	59.3
103	56.2	44.1	66.1

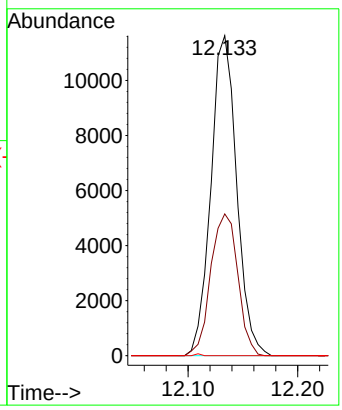




#71
Bromoform
Concen: 20.847 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:173 Resp: 1901

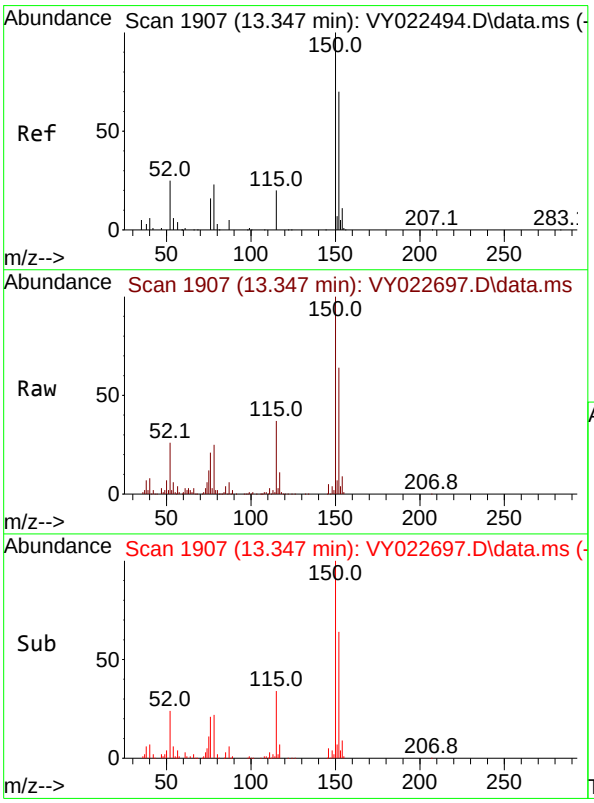
Ion	Ratio	Lower	Upper
173	100		
175	46.5	23.8	71.5
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

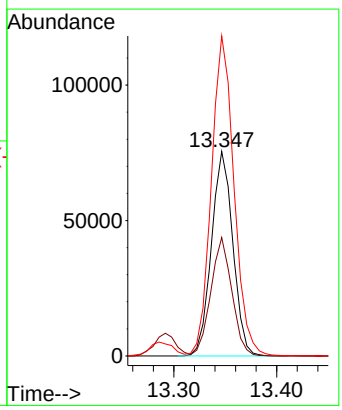
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

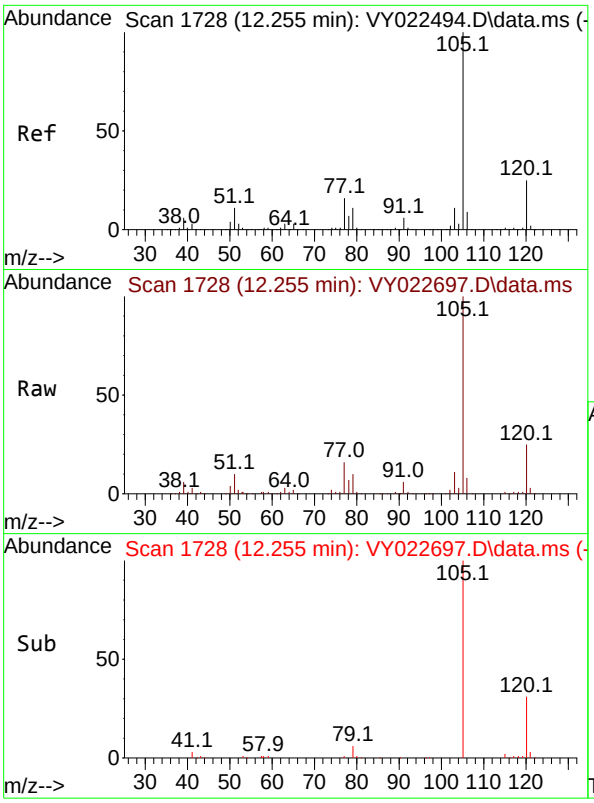


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:152 Resp: 109254

Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.9	86.7
150	165.5	0.0	349.6

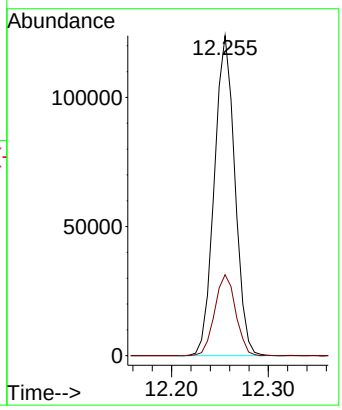




#73
Isopropylbenzene
Concen: 20.371 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:105 Resp: 18272

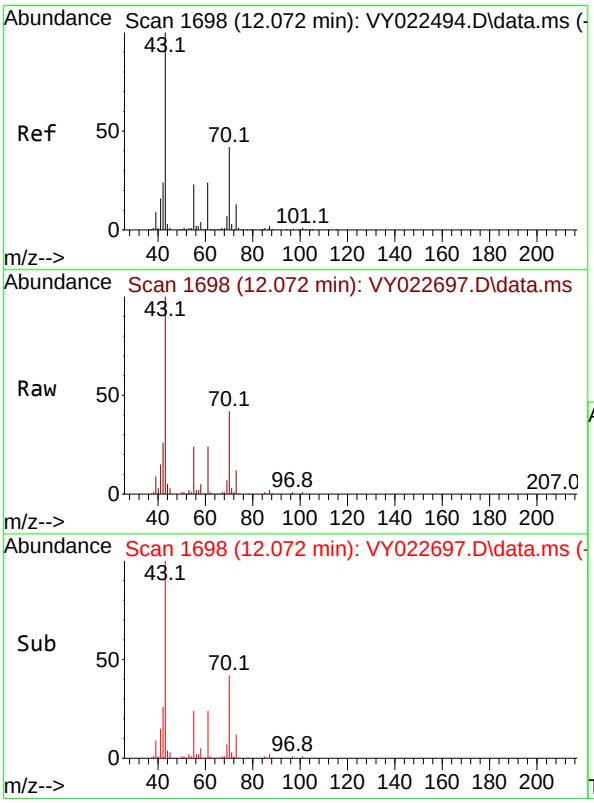
Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

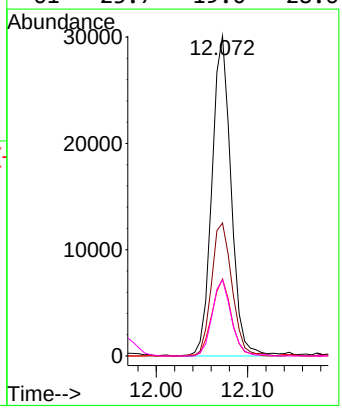
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

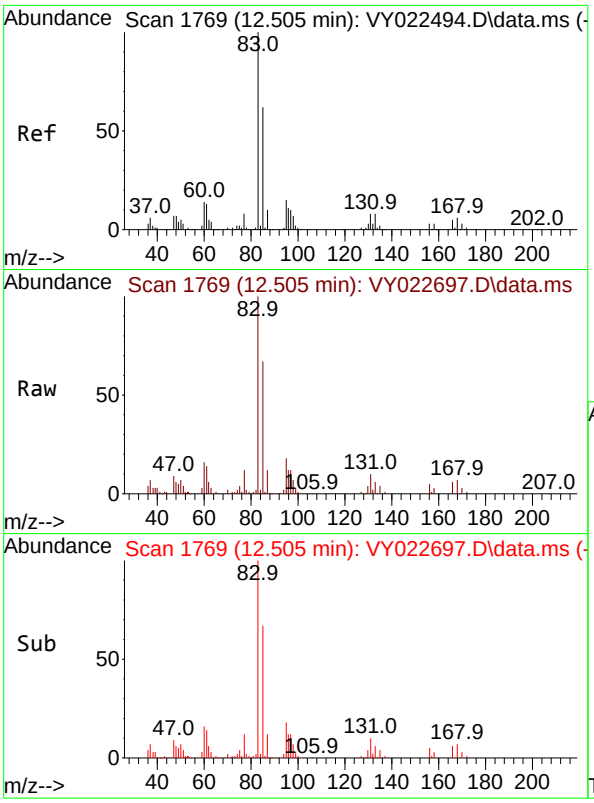


#74
N-amyl acetate
Concen: 19.363 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 43 Resp: 43824

Ion	Ratio	Lower	Upper
43	100		
70	44.7	34.2	51.2
55	24.5	18.2	27.4
61	23.7	19.0	28.6

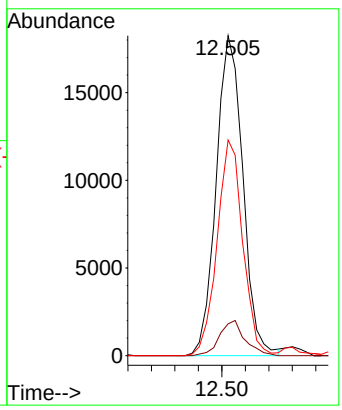




#75
1,1,2,2-Tetrachloroethane
Concen: 19.569 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 83 Resp: 2880

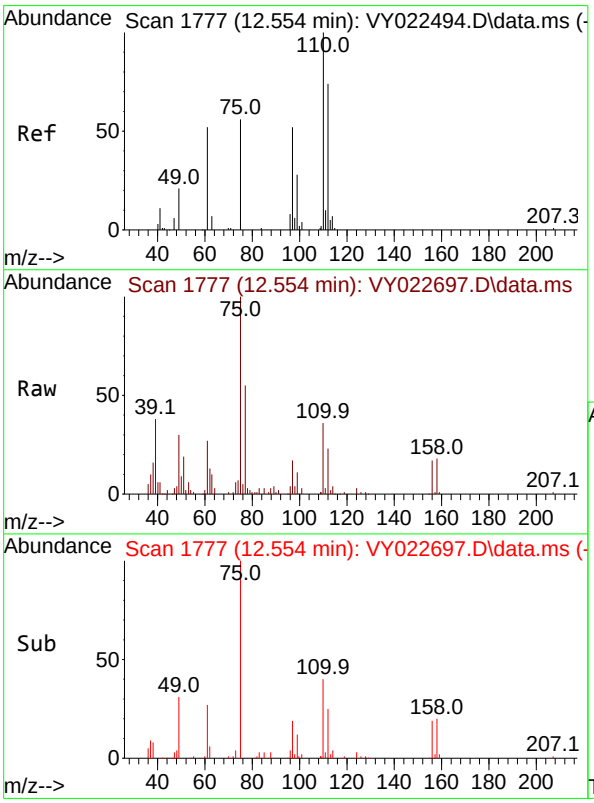
Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.9	14.7
85	64.7	32.6	97.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

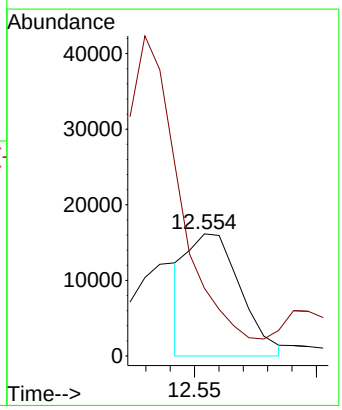
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

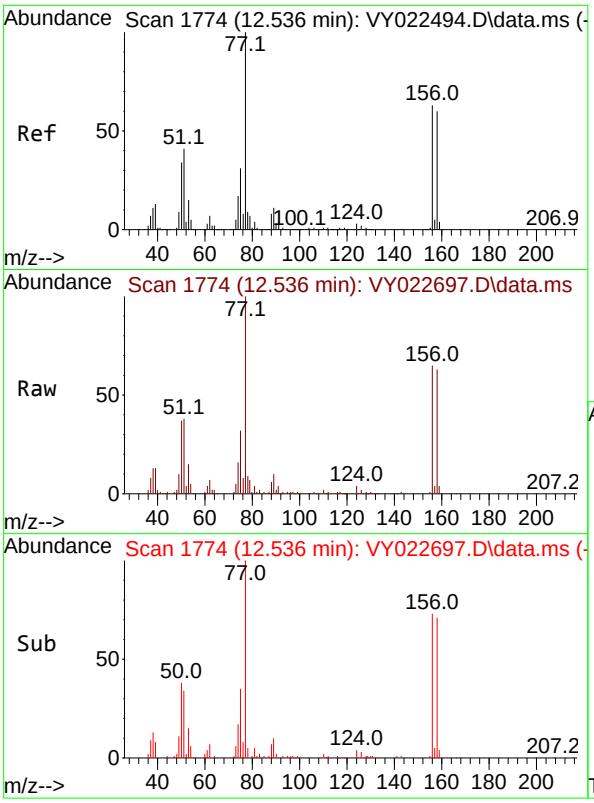


#76
1,2,3-Trichloropropane
Concen: 19.736 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 75 Resp: 24668

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

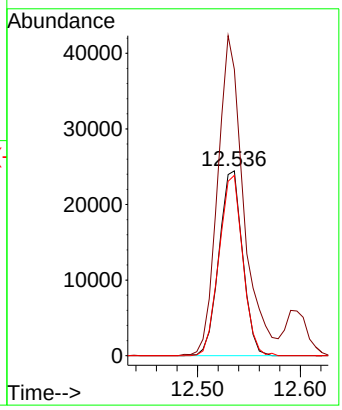




#77
Bromobenzene
Concen: 20.616 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:156 Resp: 3902

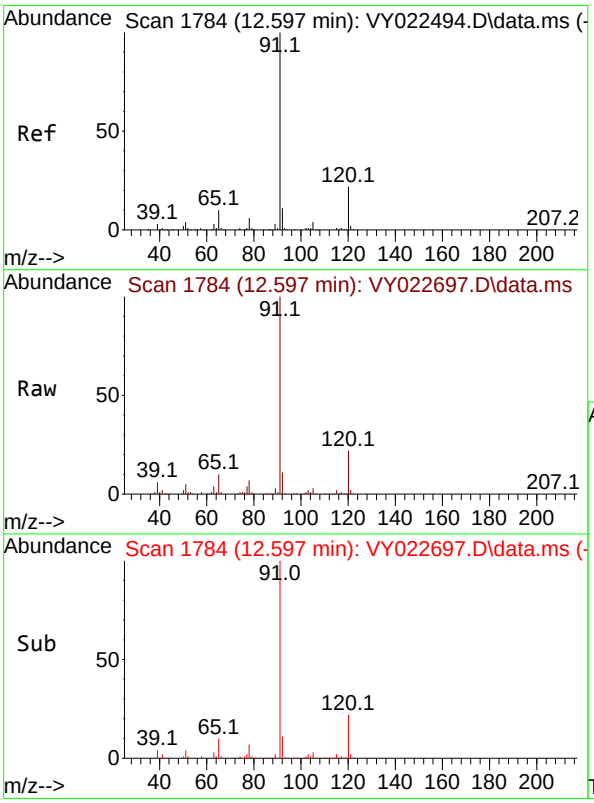
Ion	Ratio	Lower	Upper
156	100		
77	191.1	94.0	282.1
158	98.0	48.2	144.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

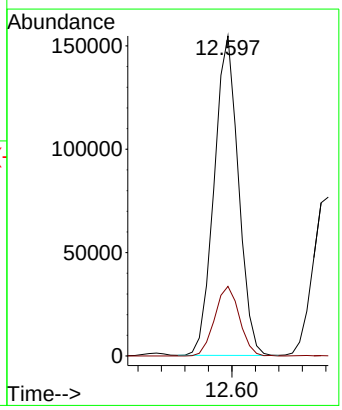
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

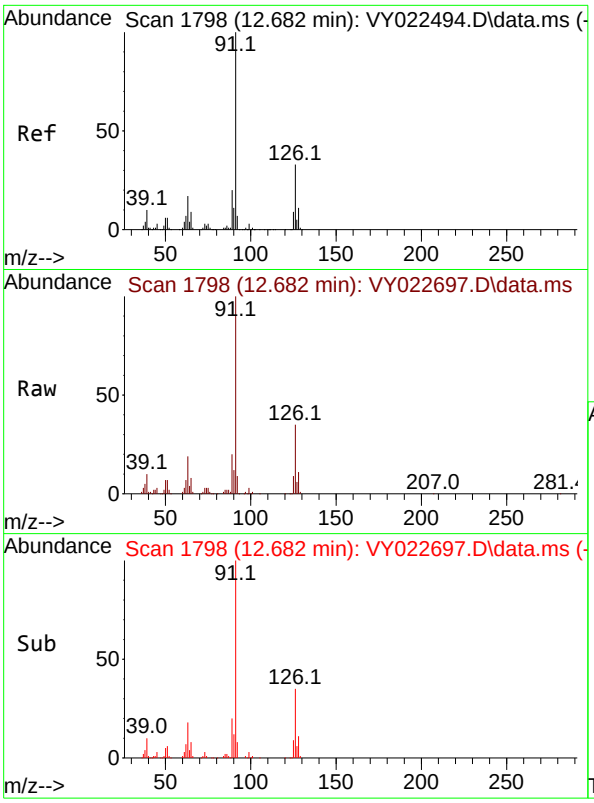


#78
n-propylbenzene
Concen: 20.241 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 91 Resp: 221750

Ion	Ratio	Lower	Upper
91	100		
120	22.2	10.8	32.4





#79
2-Chlorotoluene
Concen: 20.562 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

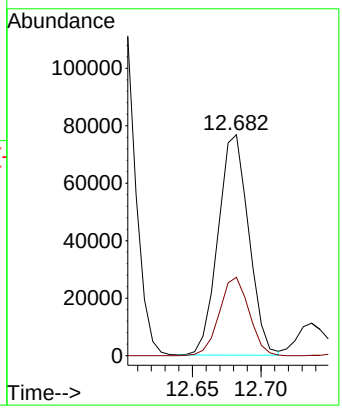
Tgt Ion: 91 Resp: 11939

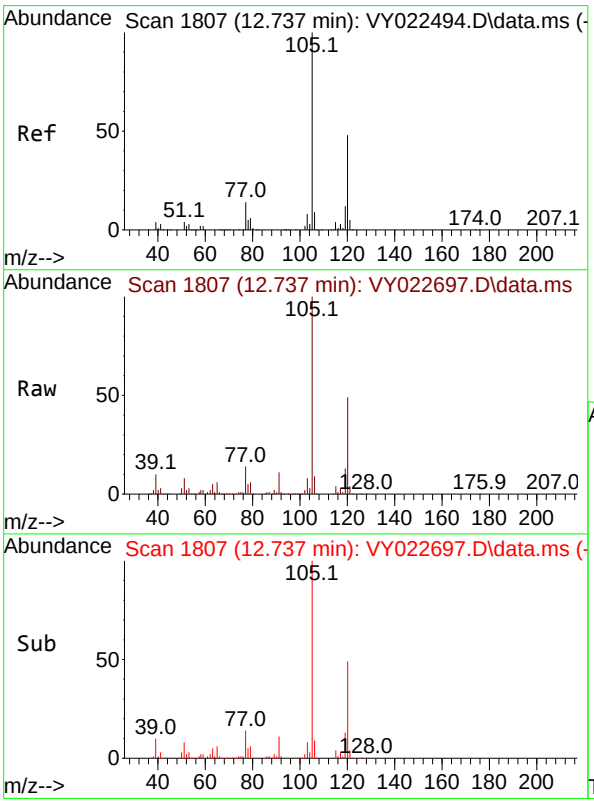
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.0	51.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

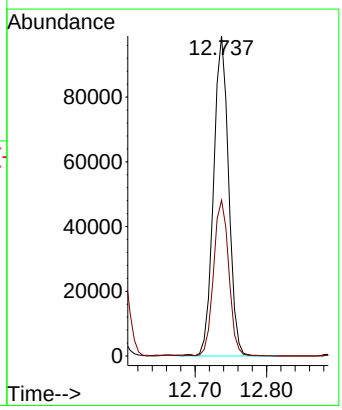


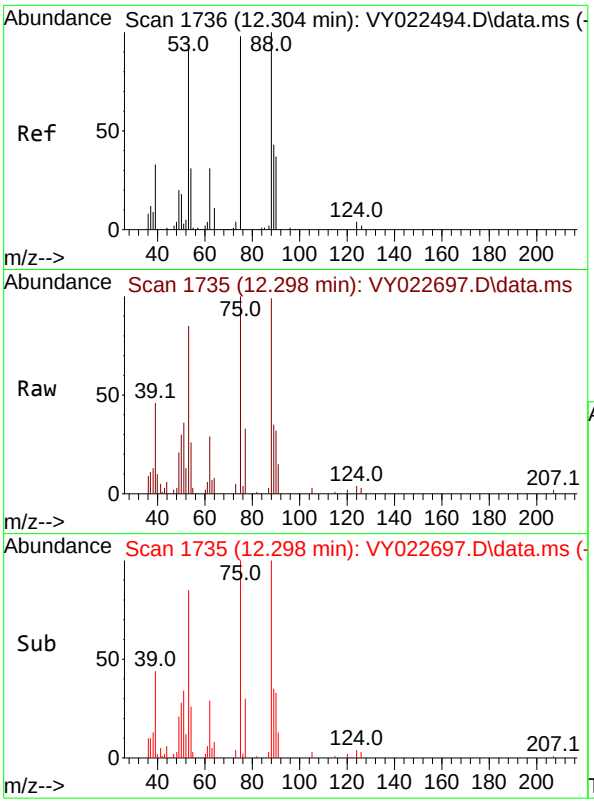


#80
1,3,5-Trimethylbenzene
Concen: 20.508 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:105 Resp: 144419

Ion	Ratio	Lower	Upper
105	100		
120	49.3	24.1	72.4

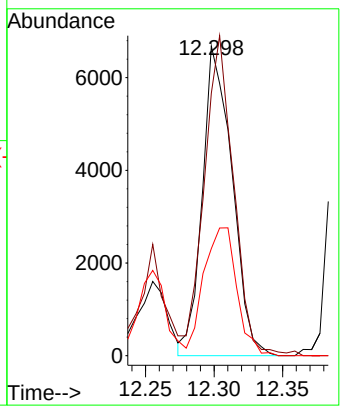




#81
trans-1,4-Dichloro-2-butene
Concen: 19.508 ug/l
RT: 12.298 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 75 Resp: 1009

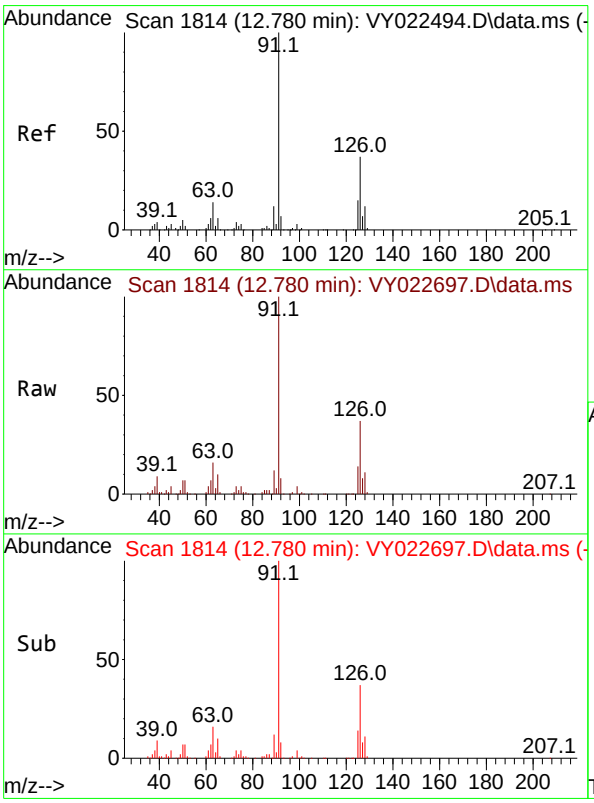
Ion	Ratio	Lower	Upper
75	100		
53	100.4	78.5	117.7
89	45.9	35.7	53.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

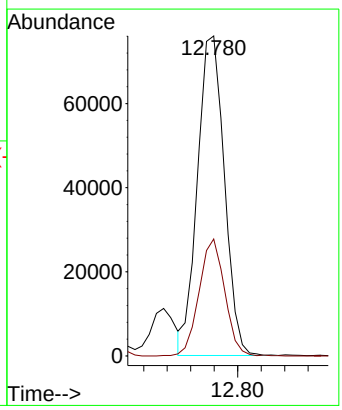
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

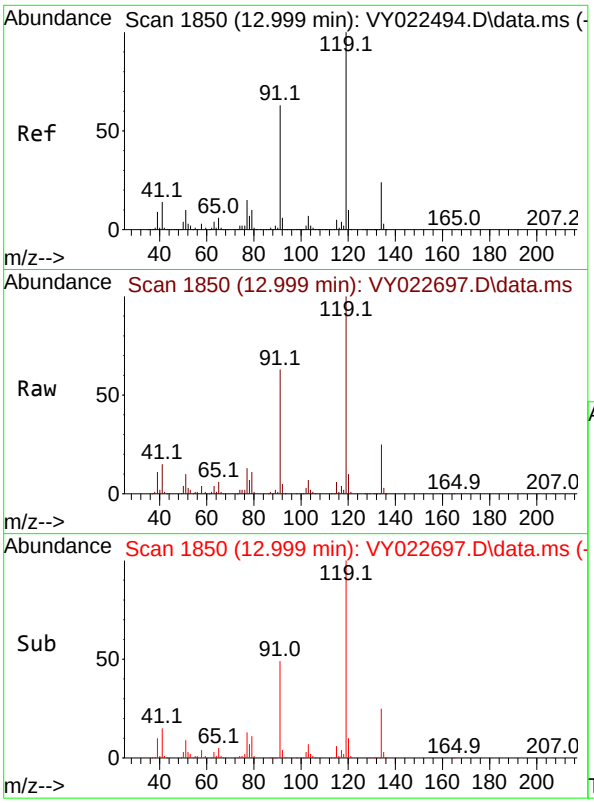


#82
4-Chlorotoluene
Concen: 20.145 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 91 Resp: 120666

Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.0	50.9





#83
tert-Butylbenzene
Concen: 20.260 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

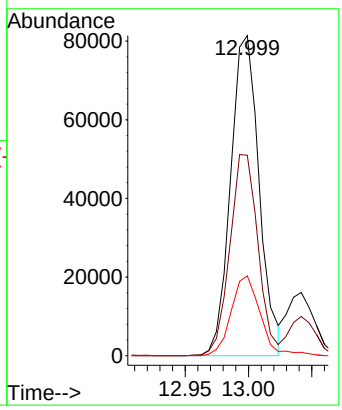
Tgt Ion:119 Resp: 12805

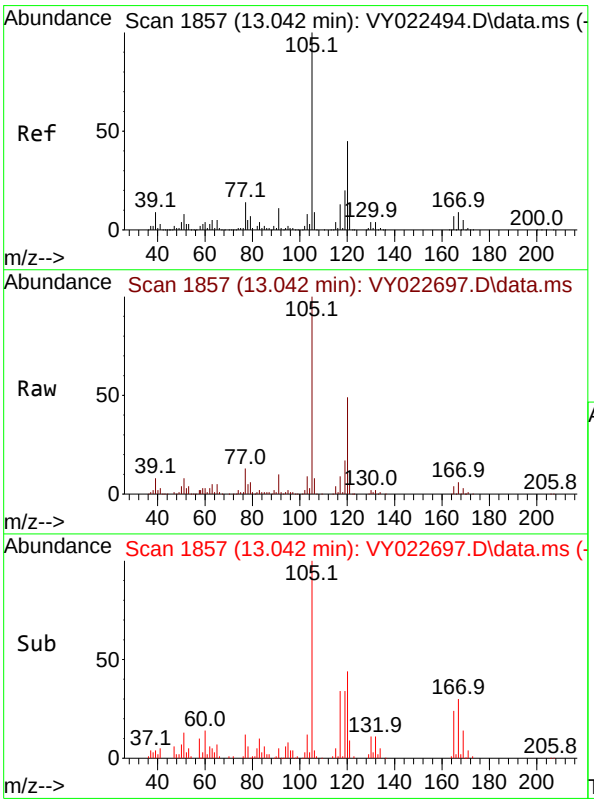
Ion	Ratio	Lower	Upper
119	100		
91	62.0	32.1	96.3
134	25.5	13.0	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

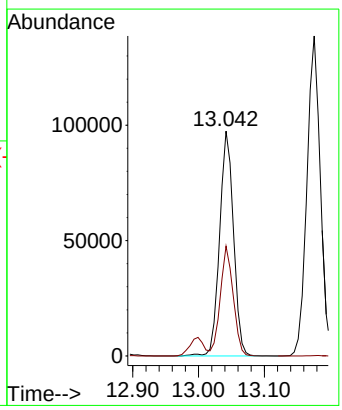


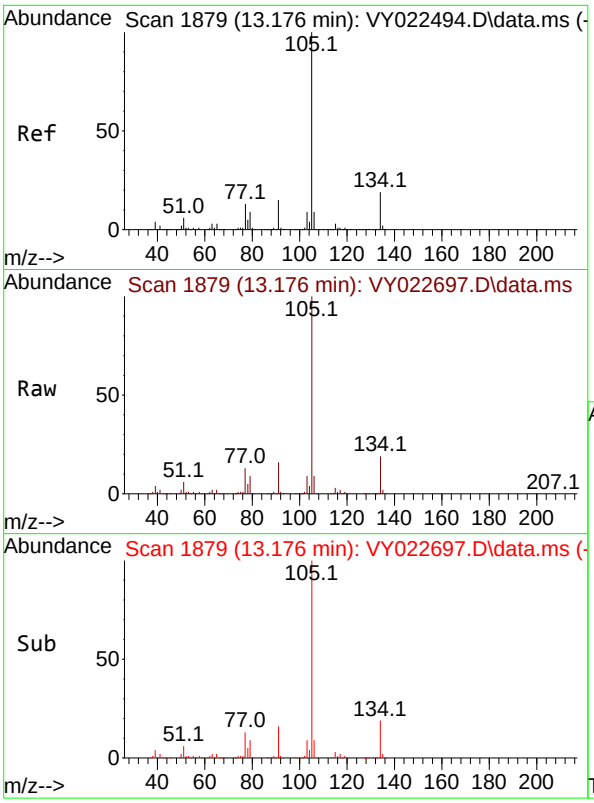


#84
1,2,4-Trimethylbenzene
Concen: 20.338 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:105 Resp: 143246

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.7	68.1

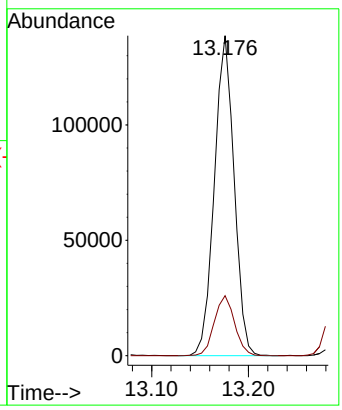




#85
sec-Butylbenzene
Concen: 20.289 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:105 Resp: 19639

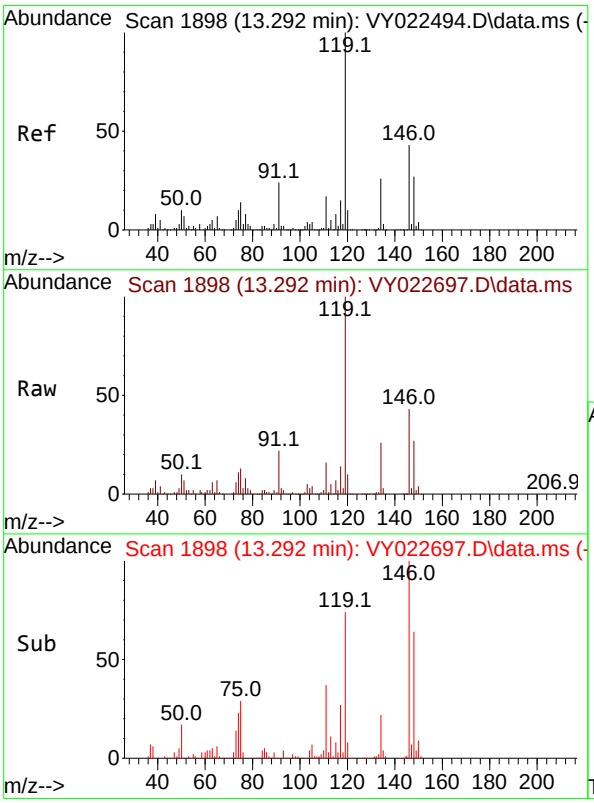
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	28.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

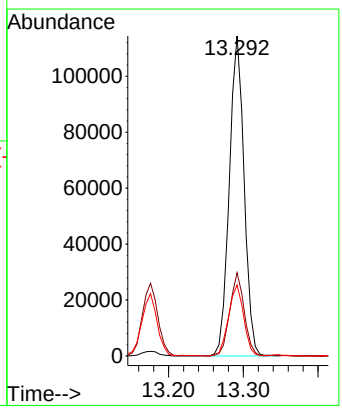
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

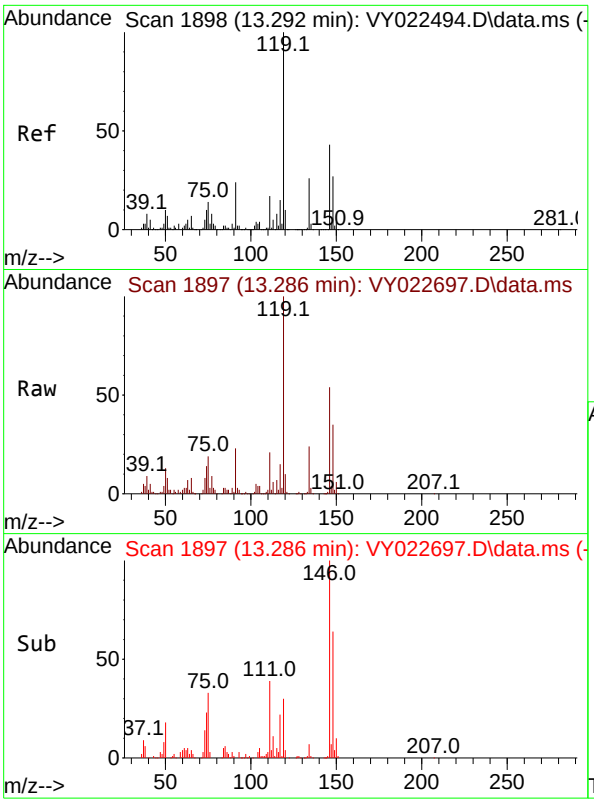


#86
p-Isopropyltoluene
Concen: 19.794 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:119 Resp: 157938

Ion	Ratio	Lower	Upper
119	100		
134	25.3	13.1	39.1
91	22.7	11.6	34.8





#87
1,3-Dichlorobenzene
Concen: 20.641 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

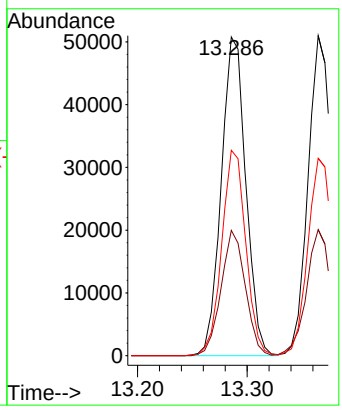
Tgt Ion:146 Resp: 7915

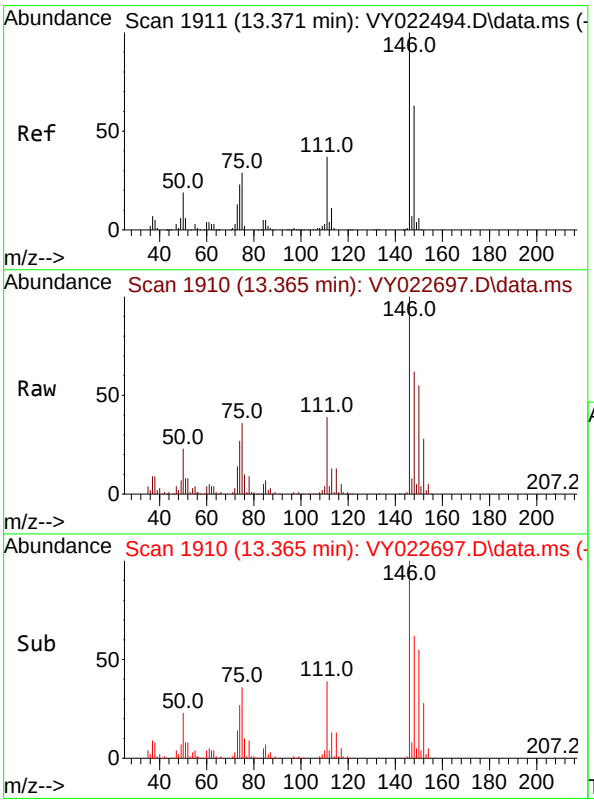
Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.1	60.2
148	63.1	32.1	96.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

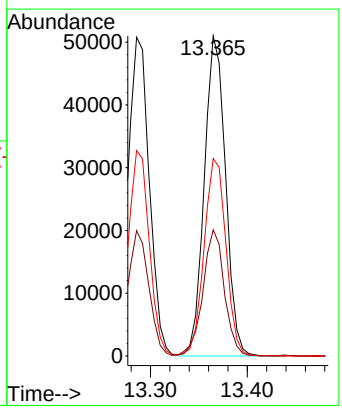


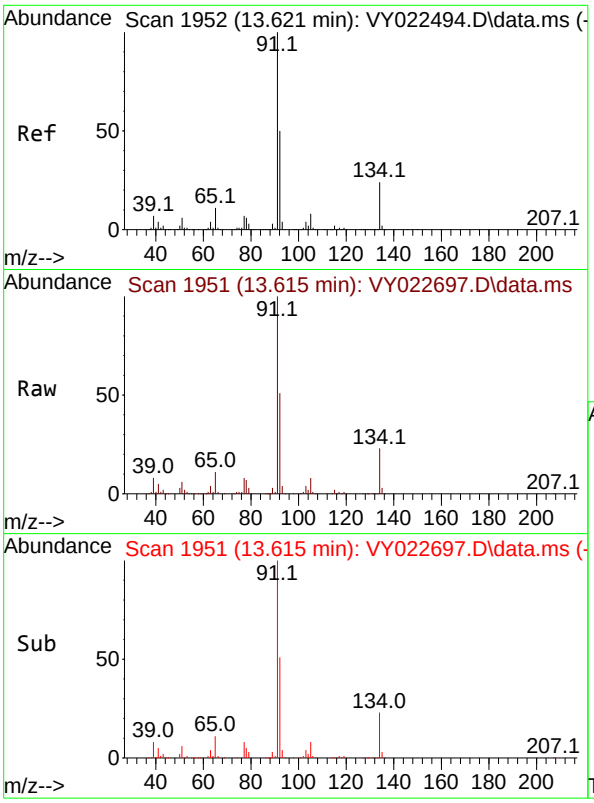


#88
1,4-Dichlorobenzene
Concen: 20.970 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:146 Resp: 78000

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.4	58.2
148	63.5	31.6	94.8

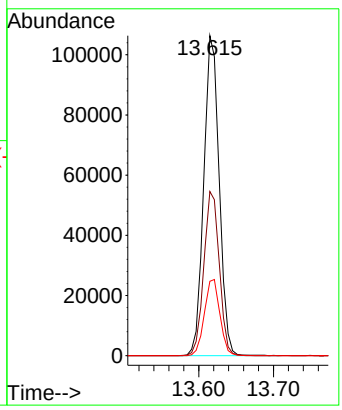




#89
n-Butylbenzene
Concen: 20.097 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 91 Resp: 15213

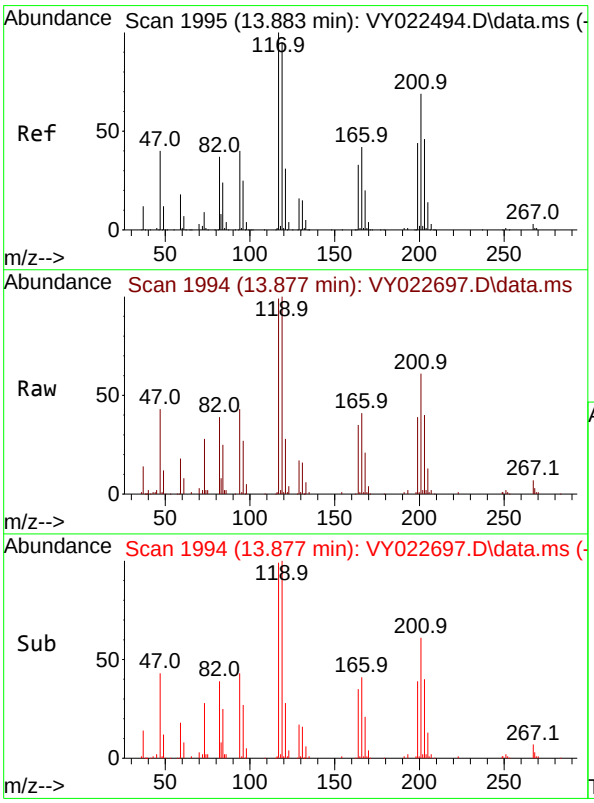
Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.9	77.8
134	24.0	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

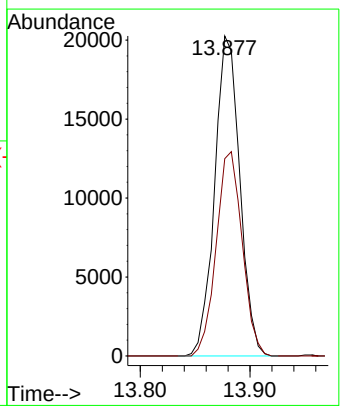
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

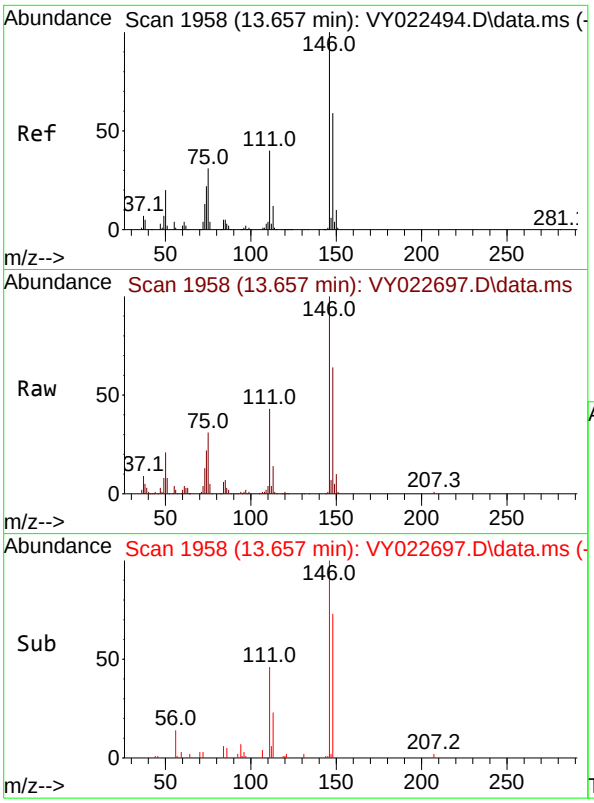


#90
Hexachloroethane
Concen: 20.837 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:117 Resp: 32367

Ion	Ratio	Lower	Upper
117	100		
201	65.8	34.0	102.0

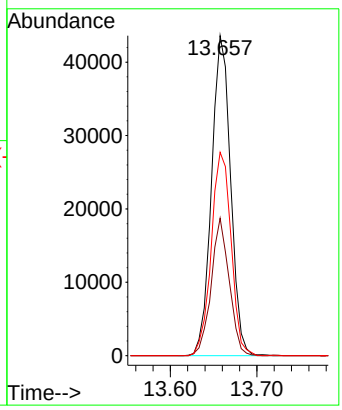




#91
1,2-Dichlorobenzene
Concen: 20.464 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:146 Resp: 6663

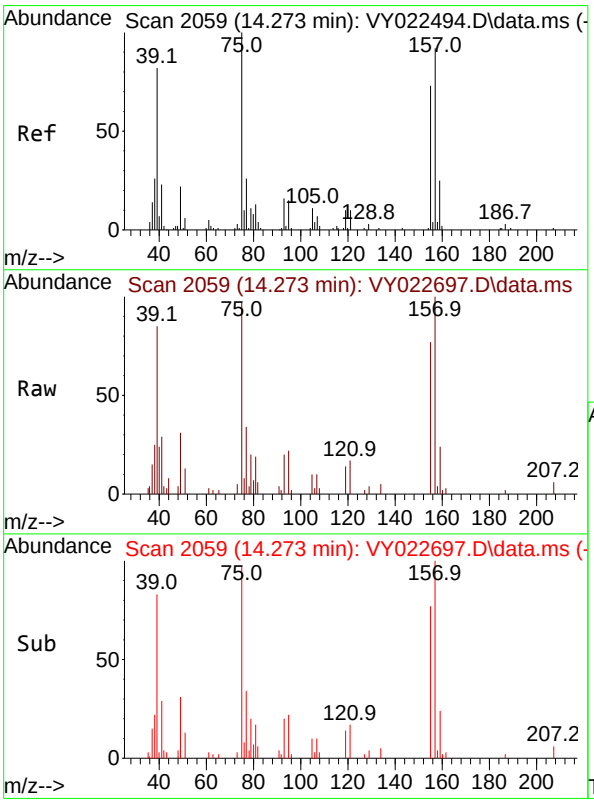
Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.2	60.6
148	66.2	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

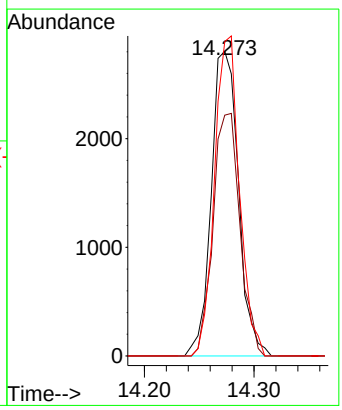
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

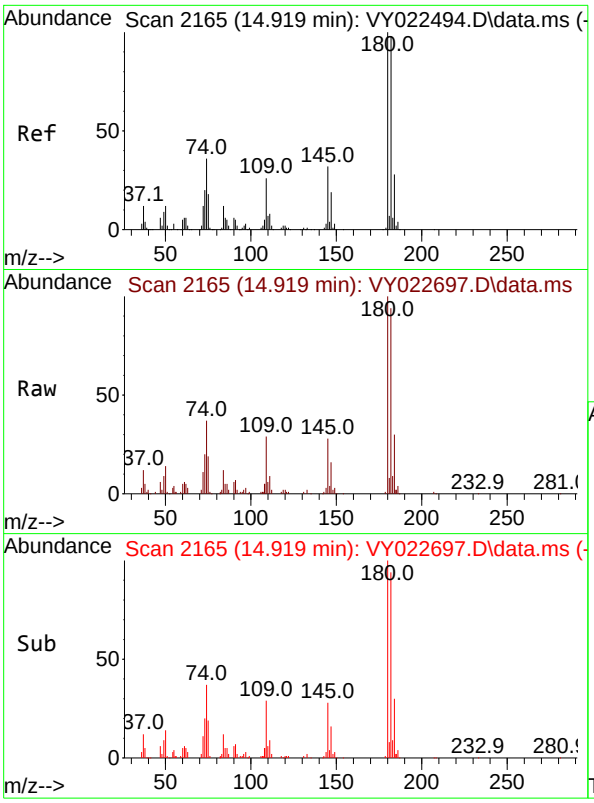


#92
1,2-Dibromo-3-Chloropropane
Concen: 22.474 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 75 Resp: 4817

Ion	Ratio	Lower	Upper
75	100		
155	79.0	39.9	119.6
157	96.4	54.0	162.0

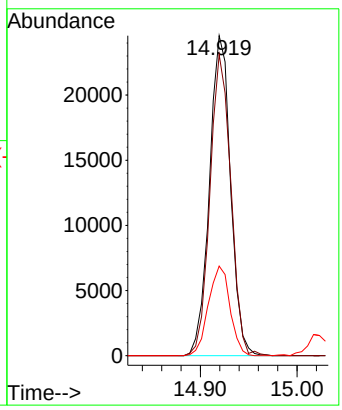




#93
1,2,4-Trichlorobenzene
Concen: 20.967 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:180 Resp: 3723

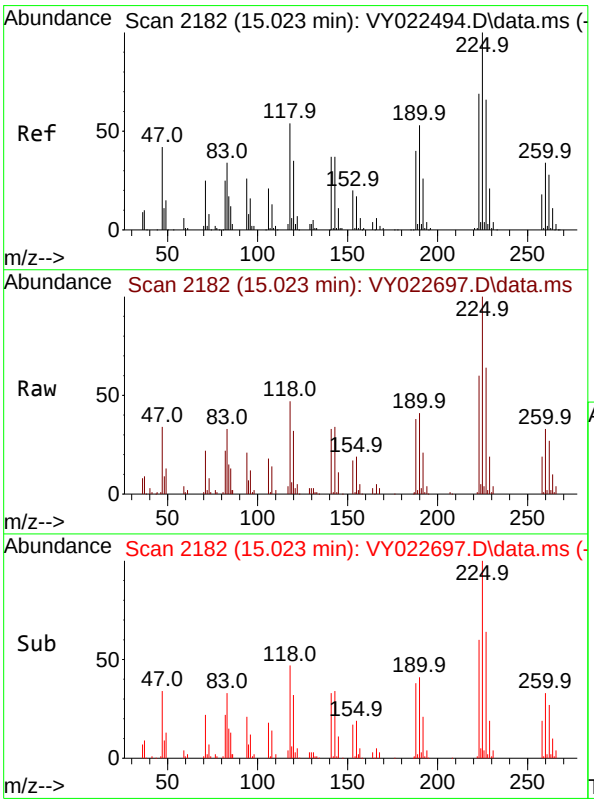
Ion	Ratio	Lower	Upper
180	100		
182	92.7	48.4	145.3
145	28.6	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

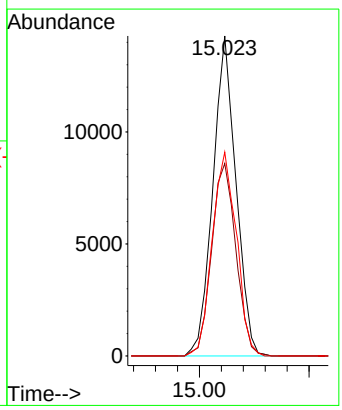
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

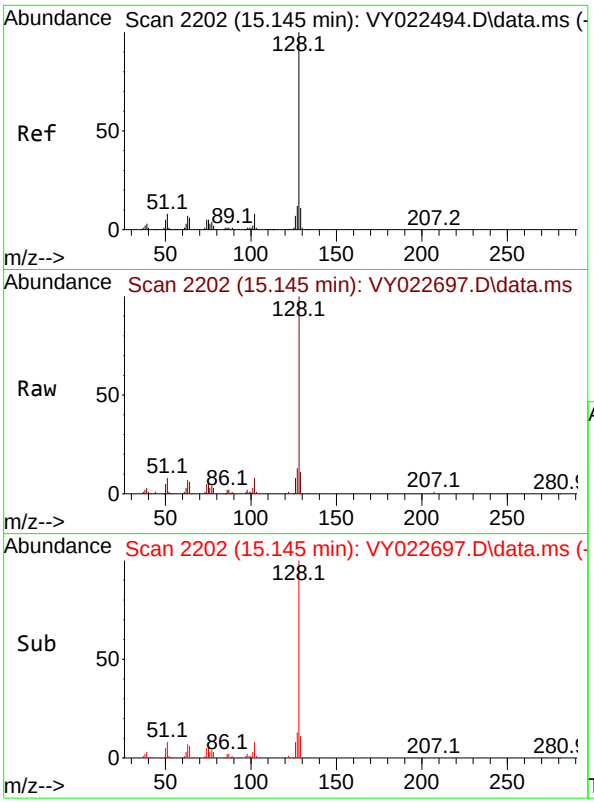


#94
Hexachlorobutadiene
Concen: 21.334 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:225 Resp: 20911

Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.5	97.4
227	66.8	32.3	96.9

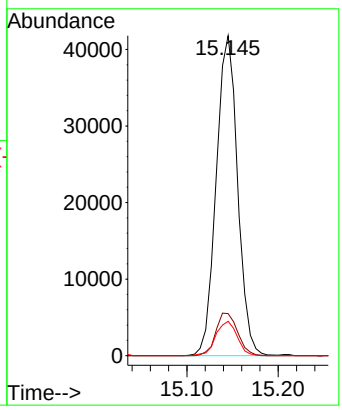




#95
Naphthalene
Concen: 19.971 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:128 Resp: 6805

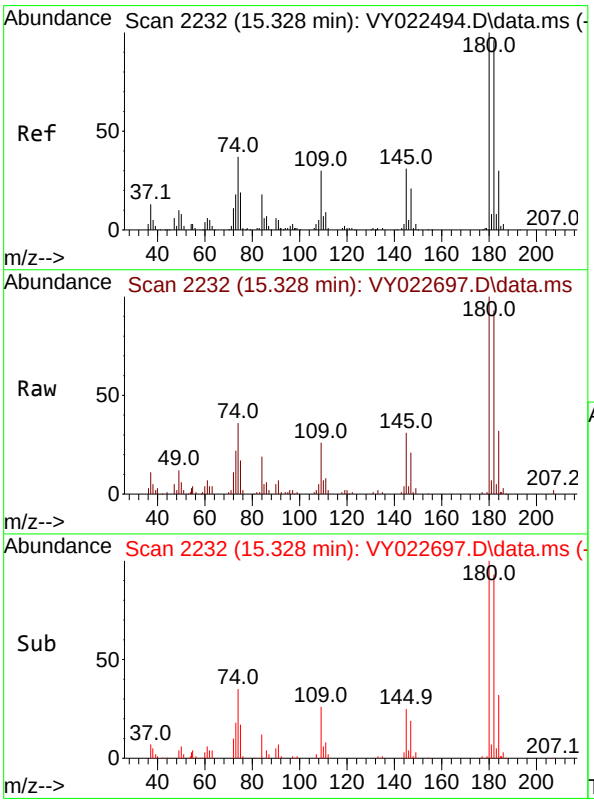
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.4	15.6
129	10.7	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Manual Integrations
APPROVED

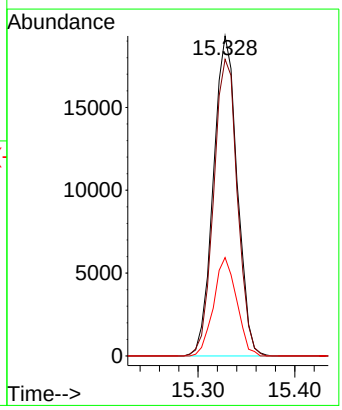
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#96
1,2,3-Trichlorobenzene
Concen: 21.665 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:180 Resp: 32973

Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.1	141.3
145	29.8	15.2	45.6



Raw Data: **VN087001.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VN0613WBSD01	SDG No.:	Q2314
Lab Sample ID:	VN0613WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087001.D	1		06/13/25 15:06	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	18.6		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	22.4		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	18.6		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	21.9		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	21.4		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.5		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	22.3		0.23	0.75	1.00	ug/L
67-64-1	Acetone	96.3		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	23.4		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.2		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	21.1		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	21.4		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.0		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	99.4		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	21.5		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	21.4		0.19	0.75	1.00	ug/L
67-66-3	Chloroform	20.9		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.4		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	19.4		0.16	0.50	1.00	ug/L
71-43-2	Benzene	21.6		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	22.2		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	21.8		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.8		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	21.7		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	2.50	5.00	ug/L
108-88-3	Toluene	22.1		0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	21.8		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	22.2		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.2		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	97.1		0.89	2.50	5.00	ug/L

Raw Data: **VN087001.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VN0613WBSD01	SDG No.:	Q2314
Lab Sample ID:	VN0613WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087001.D	1		06/13/25 15:06	VN061325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	23.2		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	21.0		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	21.8		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	21.1		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	43.4		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	21.8		0.12	0.50	1.00	ug/L
100-42-5	Styrene	21.4		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	23.6		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	20.4		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	22.2		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.4		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	21.6		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.6		0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.1		81 - 118		96%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	48.8		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	181000	8.229				
540-36-3	1,4-Difluorobenzene	324000	9.106				
3114-55-4	Chlorobenzene-d5	287000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	143000	13.788				

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_N\Data\VN061325\
Data File : VN087001.D
Acq On : 13 Jun 2025 15:06
Operator : JC\MD
Sample : VN0613WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 14 00:28:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	180967	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	323903	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	287455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	143189	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	116534	48.096	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.200%			
35) Dibromofluoromethane	8.177	113	99231	51.696	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.400%			
50) Toluene-d8	10.570	98	370479	48.754	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.500%			
62) 4-Bromofluorobenzene	12.847	95	142094	50.331	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	37953	21.034	ug/l	99
3) Chloromethane	2.400	50	43252	18.563	ug/l	98
4) Vinyl Chloride	2.553	62	53719	22.350	ug/l	97
5) Bromomethane	3.000	94	25049	18.623	ug/l	95
6) Chloroethane	3.153	64	34063	21.940	ug/l	95
7) Trichlorofluoromethane	3.530	101	67248	21.415	ug/l	100
8) Diethyl Ether	3.983	74	30162	22.045	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.400	101	42369	21.475	ug/l	99
10) Methyl Iodide	4.612	142	23237	9.086	ug/l	98
11) Tert butyl alcohol	5.541	59	67955	103.363	ug/l	98
12) 1,1-Dichloroethene	4.365	96	44954	22.318	ug/l	91
13) Acrolein	4.200	56	35622	171.174	ug/l	98
14) Allyl chloride	5.047	41	64592	19.336	ug/l	96
15) Acrylonitrile	5.741	53	160728	104.594	ug/l	100
16) Acetone	4.447	43	123697	96.269	ug/l	95
17) Carbon Disulfide	4.736	76	130578	23.437	ug/l	100
18) Methyl Acetate	5.047	43	64257	17.161	ug/l	97
19) Methyl tert-butyl Ether	5.818	73	154323	21.160	ug/l	99
20) Methylene Chloride	5.300	84	50756	21.099	ug/l	95
21) trans-1,2-Dichloroethene	5.806	96	47940	21.392	ug/l	95
22) Diisopropyl ether	6.688	45	145393	20.648	ug/l	99
23) Vinyl Acetate	6.618	43	646099	108.602	ug/l	98
24) 1,1-Dichloroethane	6.588	63	85045	20.987	ug/l	98
25) 2-Butanone	7.494	43	207598	99.397	ug/l	95
26) 2,2-Dichloropropane	7.506	77	68840	21.839	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	57376	21.408	ug/l	98
28) Bromochloromethane	7.824	49	44327	22.248	ug/l	94
29) Tetrahydrofuran	7.853	42	137137	100.794	ug/l	95
30) Chloroform	7.977	83	84649	20.918	ug/l	99
31) Cyclohexane	8.265	56	77980	19.843	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	70349	20.439	ug/l	98
36) 1,1-Dichloropropene	8.382	75	62704	21.922	ug/l	99
37) Ethyl Acetate	7.571	43	77461	21.274	ug/l	100
38) Carbon Tetrachloride	8.371	117	60473	21.535	ug/l	99
39) Methylcyclohexane	9.606	83	75840	19.353	ug/l	97
40) Benzene	8.612	78	202406	21.640	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087001.D
Acq On : 13 Jun 2025 15:06
Operator : JC\MD
Sample : VN0613WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 14 00:28:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	41831	20.456	ug/l		96
42) 1,2-Dichloroethane	8.677	62	62902	22.173	ug/l		99
43) Isopropyl Acetate	8.694	43	120374	20.598	ug/l		96
44) Trichloroethene	9.359	130	48309	21.782	ug/l		100
45) 1,2-Dichloropropane	9.623	63	49577	21.787	ug/l		98
46) Dibromomethane	9.712	93	34302	22.695	ug/l		98
47) Bromodichloromethane	9.894	83	67450	21.690	ug/l		100
48) Methyl methacrylate	9.688	41	54551	20.281	ug/l		96
49) 1,4-Dioxane	9.706	88	21769	444.867	ug/l	#	97
51) 4-Methyl-2-Pentanone	10.447	43	362032	102.903	ug/l		98
52) Toluene	10.629	92	126116	22.064	ug/l		100
53) t-1,3-Dichloropropene	10.841	75	75922	21.834	ug/l		99
54) cis-1,3-Dichloropropene	10.318	75	82774	22.247	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	48792	22.184	ug/l		97
56) Ethyl methacrylate	10.882	69	76622	21.872	ug/l		97
57) 1,3-Dichloropropane	11.165	76	84223	22.075	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	213004	101.943	ug/l		98
59) 2-Hexanone	11.206	43	220012	97.085	ug/l		92
60) Dibromochloromethane	11.359	129	53072	23.160	ug/l		100
61) 1,2-Dibromoethane	11.470	107	50474	22.389	ug/l		99
64) Tetrachloroethene	11.106	164	38118	20.953	ug/l		93
65) Chlorobenzene	11.894	112	138331	21.819	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.965	131	44867	22.016	ug/l		99
67) Ethyl Benzene	11.965	91	230147	21.075	ug/l		99
68) m/p-Xylenes	12.070	106	181334	43.378	ug/l		99
69) o-Xylene	12.400	106	87167	21.772	ug/l		97
70) Styrene	12.412	104	146813	21.429	ug/l		99
71) Bromoform	12.582	173	35564	23.552	ug/l	#	98
73) Isopropylbenzene	12.694	105	213224	20.440	ug/l		100
74) N-amyl acetate	12.529	43	59296	16.267	ug/l		93
75) 1,1,2,2-Tetrachloroethane	12.941	83	78532	22.222	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	69154m	20.318	ug/l		
77) Bromobenzene	12.982	156	52646	22.007	ug/l		98
78) n-propylbenzene	13.035	91	252489	19.917	ug/l		98
79) 2-Chlorotoluene	13.123	91	156960	20.646	ug/l		96
80) 1,3,5-Trimethylbenzene	13.170	105	175480	20.375	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.735	75	30829	20.850	ug/l		97
82) 4-Chlorotoluene	13.223	91	162398	21.111	ug/l		99
83) tert-Butylbenzene	13.435	119	154658	19.618	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	179474	20.782	ug/l		100
85) sec-Butylbenzene	13.617	105	216743	18.932	ug/l		100
86) p-Isopropyltoluene	13.729	119	180744	19.098	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	100767	21.409	ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	103638	21.597	ug/l		98
89) n-Butylbenzene	14.053	91	167048	18.223	ug/l		99
90) Hexachloroethane	14.335	117	31515	19.646	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	97655	21.596	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	16995	20.109	ug/l		95
93) 1,2,4-Trichlorobenzene	15.388	180	57324	19.852	ug/l		99
94) Hexachlorobutadiene	15.500	225	17405	16.178	ug/l		98
95) Naphthalene	15.641	128	223336	20.779	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	53514	18.653	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087001.D
Acq On : 13 Jun 2025 15:06
Operator : JC\MD
Sample : VN0613WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 14 00:28:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

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

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

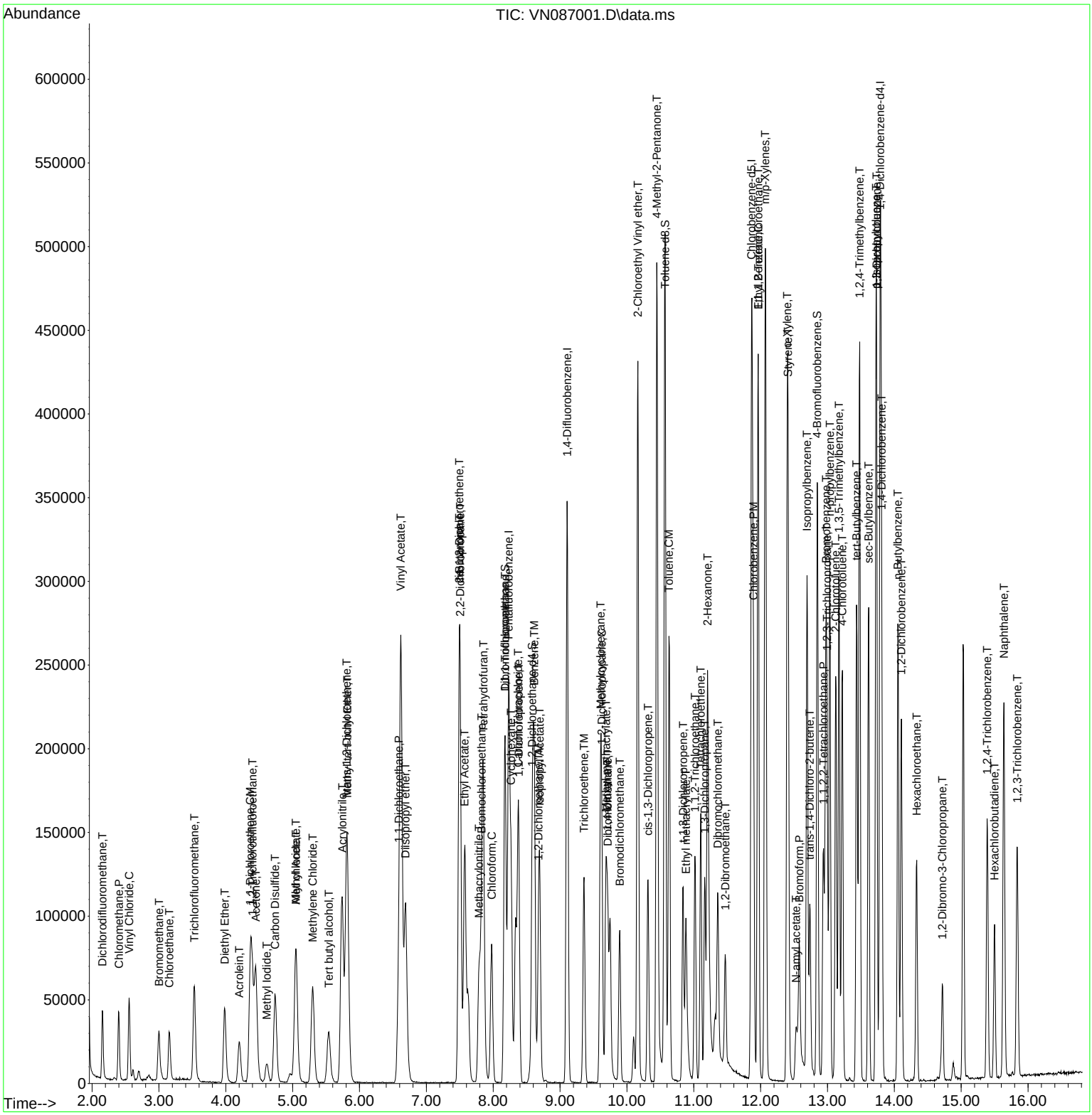
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087001.D
Acq On : 13 Jun 2025 15:06
Operator : JC\MD
Sample : VN0613WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

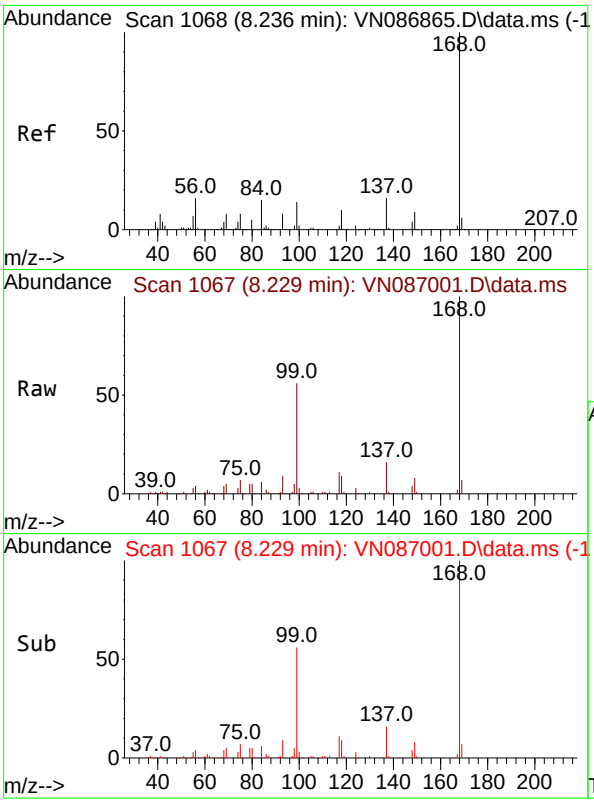
Quant Time: Jun 14 00:28:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

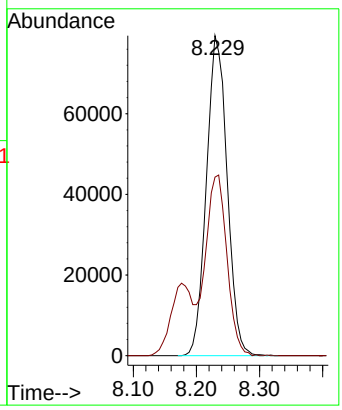




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.007 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:168 Resp: 18096

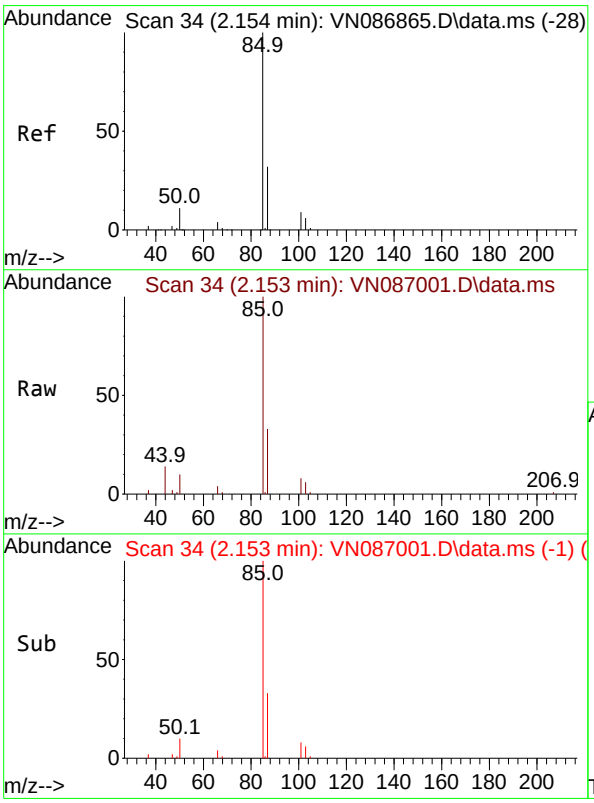
Ion	Ratio	Lower	Upper
168	100		
99	55.8	49.1	73.7



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

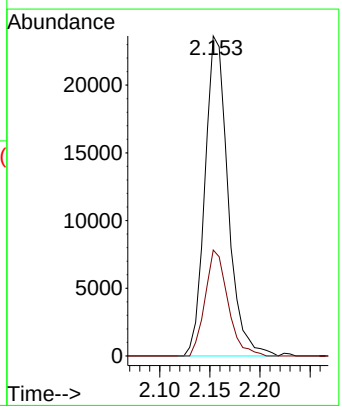
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

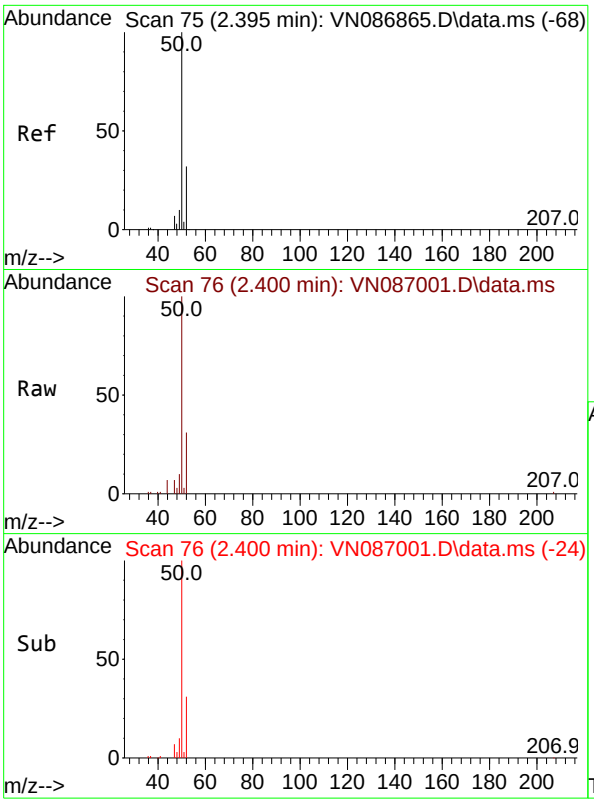


#2
Dichlorodifluoromethane
Concen: 21.034 ug/l
RT: 2.153 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 85 Resp: 37953

Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.2	48.6





#3
Chloromethane
Concen: 18.563 ug/l
RT: 2.400 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

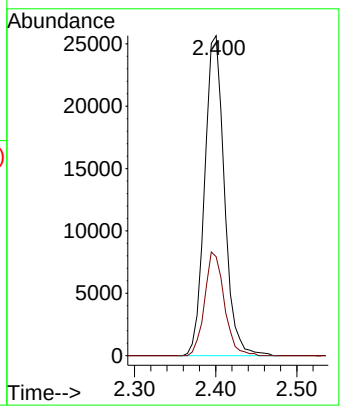
Tgt Ion: 50 Resp: 4325

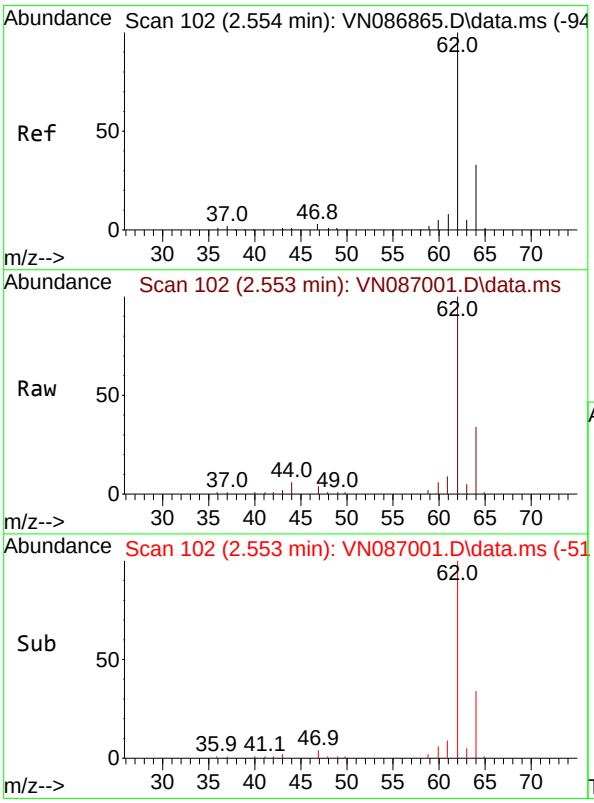
Ion	Ratio	Lower	Upper
50	100		
52	30.9	25.7	38.5

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

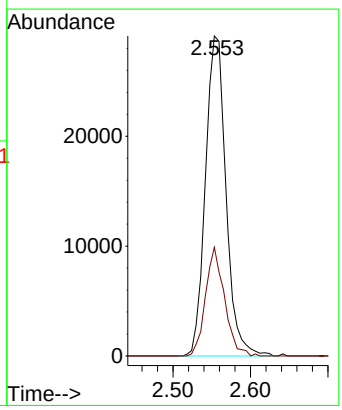


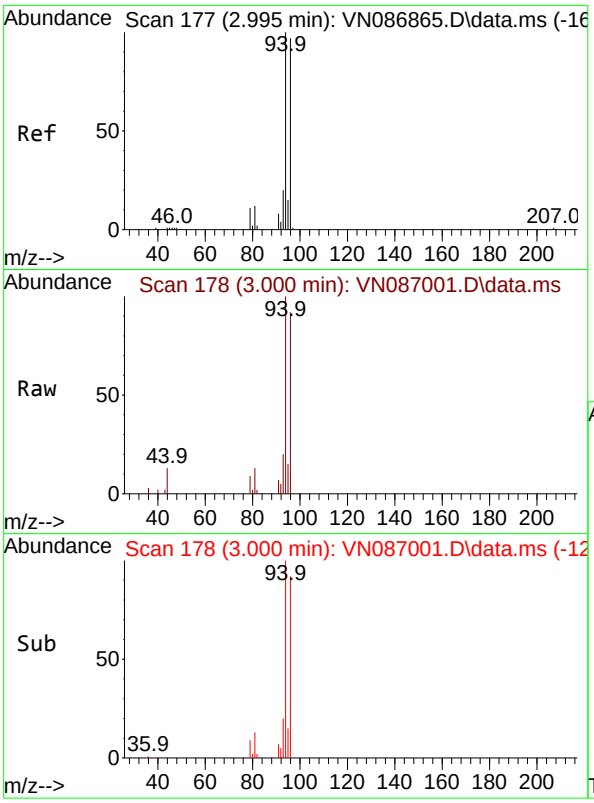


#4
Vinyl Chloride
Concen: 22.350 ug/l
RT: 2.553 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 62 Resp: 53719

Ion	Ratio	Lower	Upper
62	100		
64	33.9	26.0	39.0

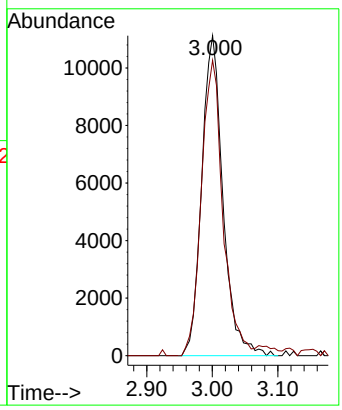




#5
Bromomethane
Concen: 18.623 ug/l
RT: 3.000 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 94 Resp: 2504

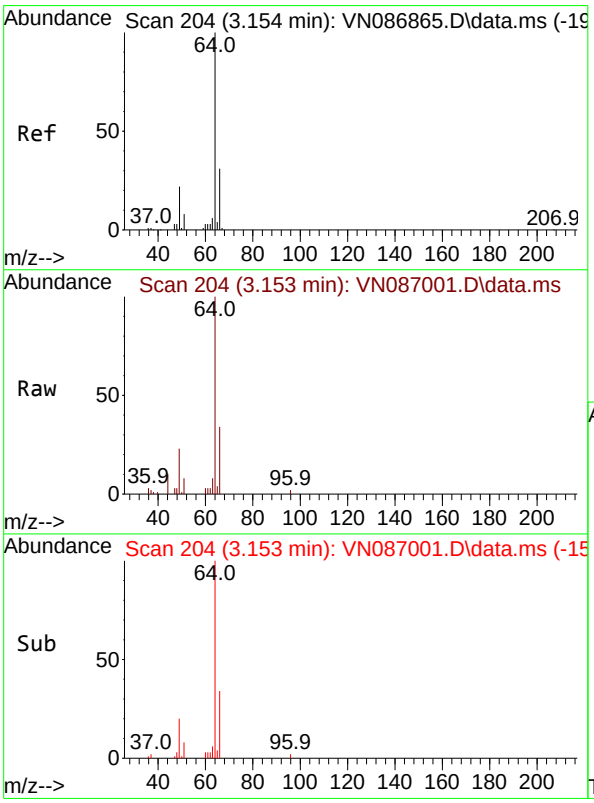
Ion	Ratio	Lower	Upper
94	100		
96	92.3	77.9	116.9



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

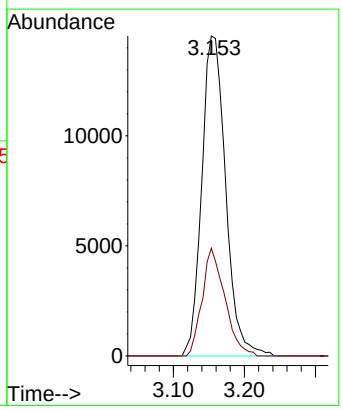
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

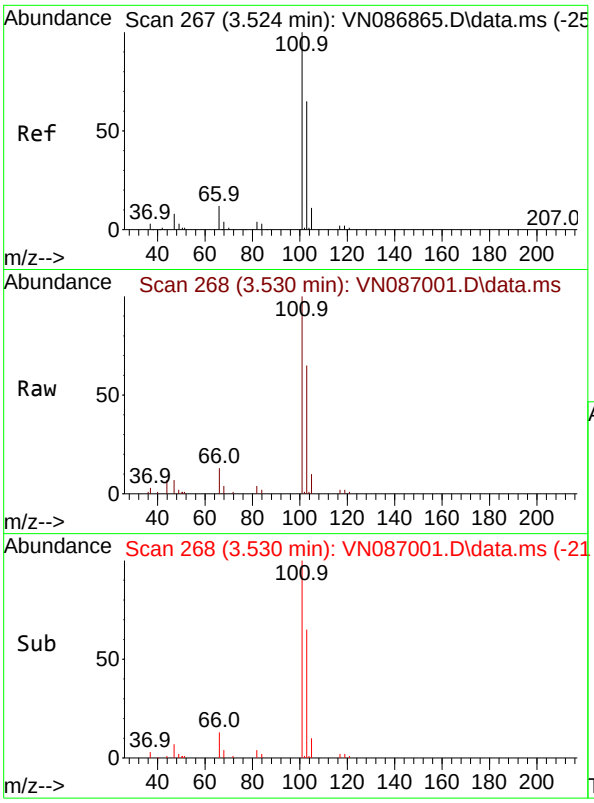


#6
Chloroethane
Concen: 21.940 ug/l
RT: 3.153 min Scan# 204
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 64 Resp: 34063

Ion	Ratio	Lower	Upper
64	100		
66	33.7	24.6	36.8





#7
Trichlorofluoromethane
Concen: 21.415 ug/l
RT: 3.530 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

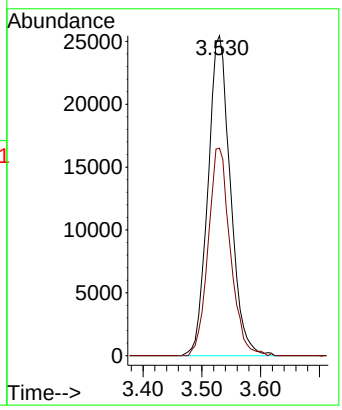
Tgt Ion:101 Resp: 6724

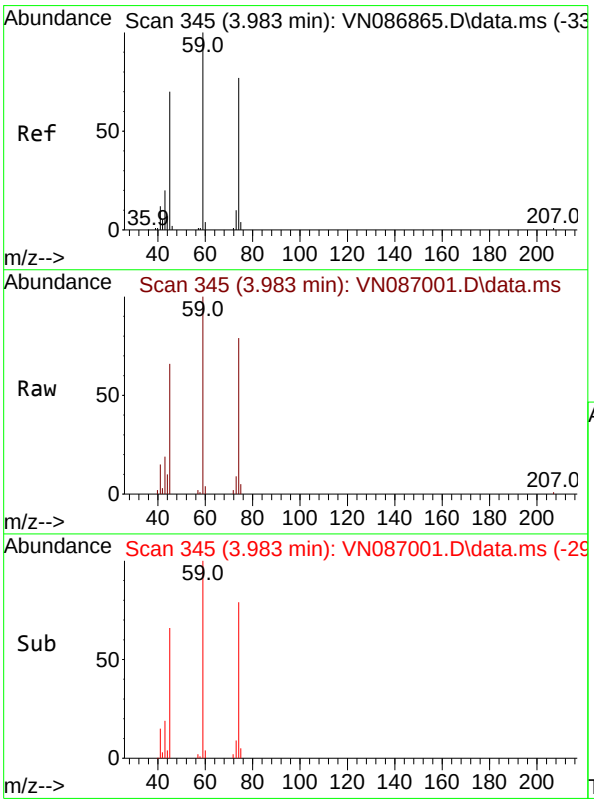
Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.2	78.2

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

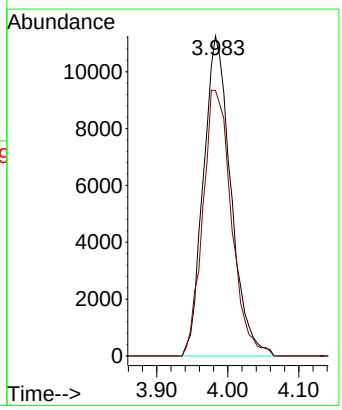


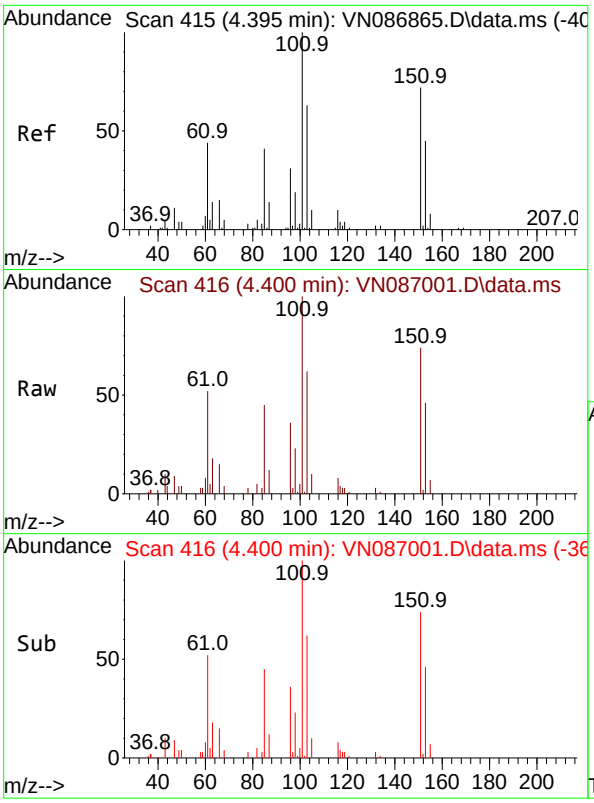


#8
Diethyl Ether
Concen: 22.045 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 74 Resp: 30162

Ion	Ratio	Lower	Upper
74	100		
45	86.8	45.5	136.5

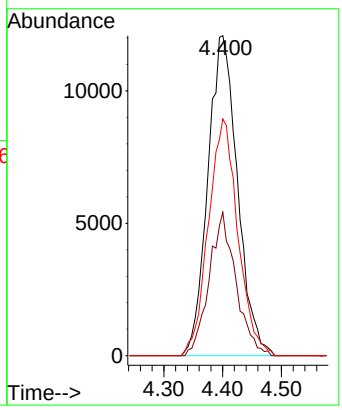




#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.475 ug/l
RT: 4.400 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:101 Resp: 4236

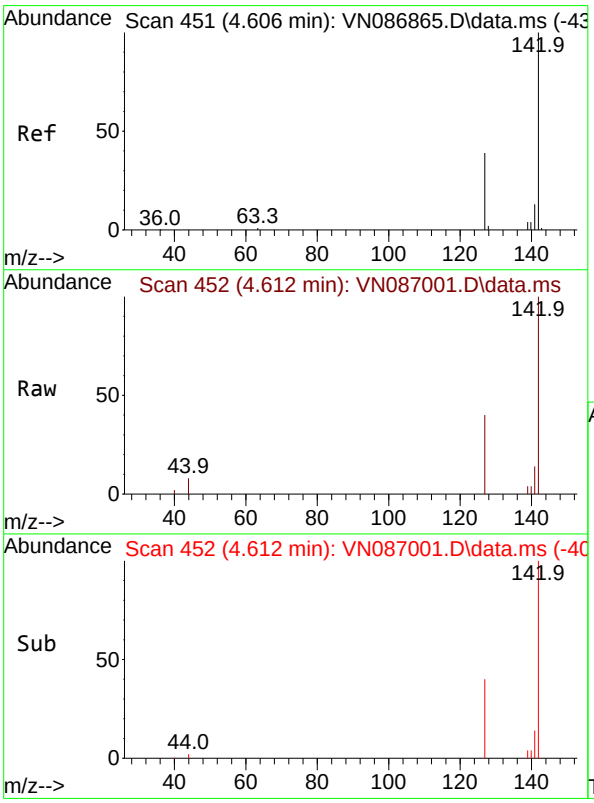
Ion	Ratio	Lower	Upper
101	100		
85	40.4	33.8	50.8
151	73.6	58.7	88.1



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

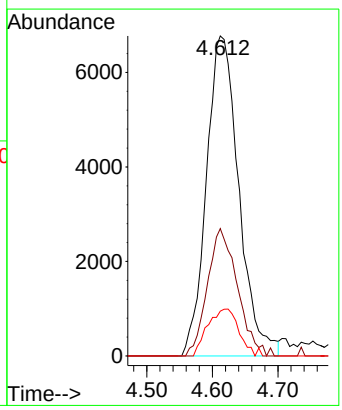
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

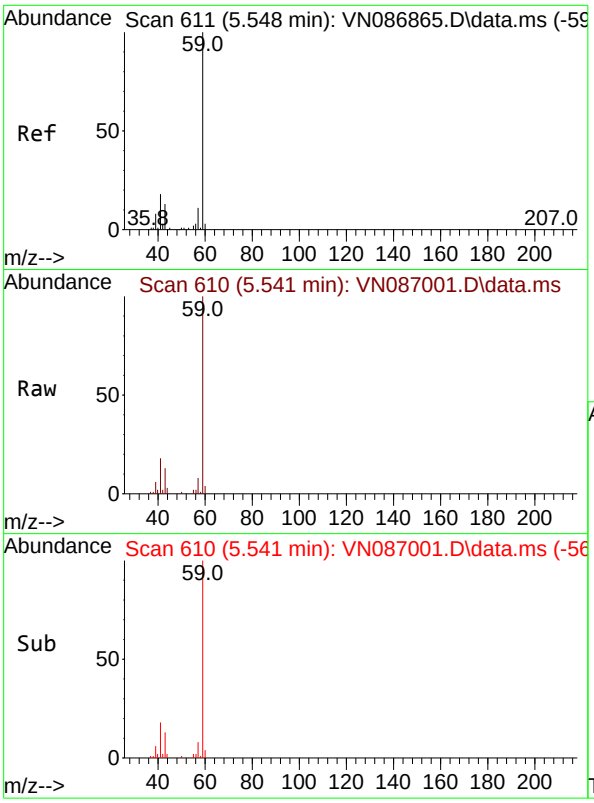


#10
Methyl Iodide
Concen: 9.086 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:142 Resp: 23237

Ion	Ratio	Lower	Upper
142	100		
127	39.8	30.9	46.3
141	14.0	10.4	15.6

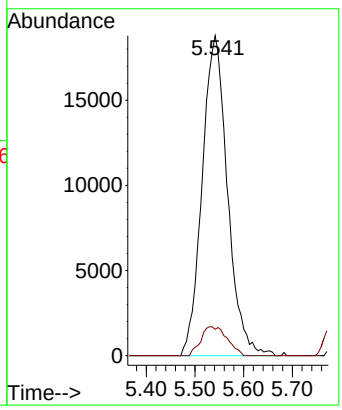




#11
Tert butyl alcohol
Concen: 103.363 ug/l
RT: 5.541 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 59 Resp: 6795

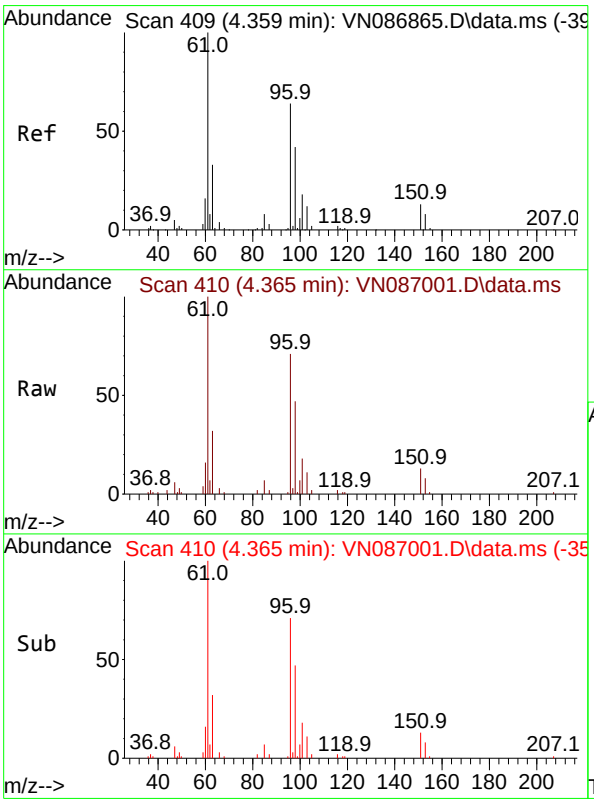
Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.1	12.1



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

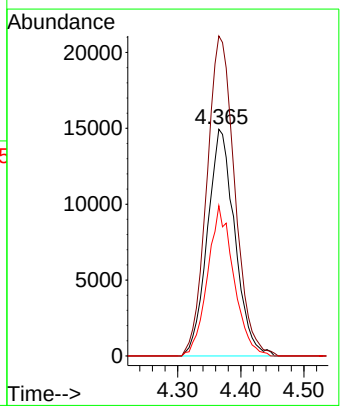
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

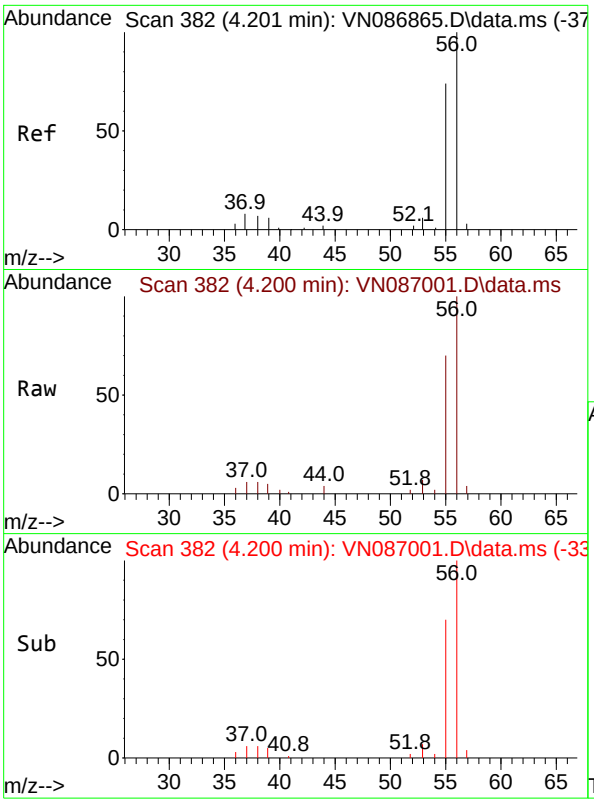


#12
1,1-Dichloroethene
Concen: 22.318 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 96 Resp: 44954

Ion	Ratio	Lower	Upper
96	100		
61	141.2	125.8	188.6
98	66.3	52.5	78.7

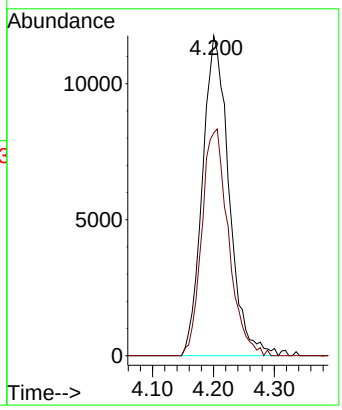




#13
Acrolein
Concen: 171.174 ug/l
RT: 4.200 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 56 Resp: 3562

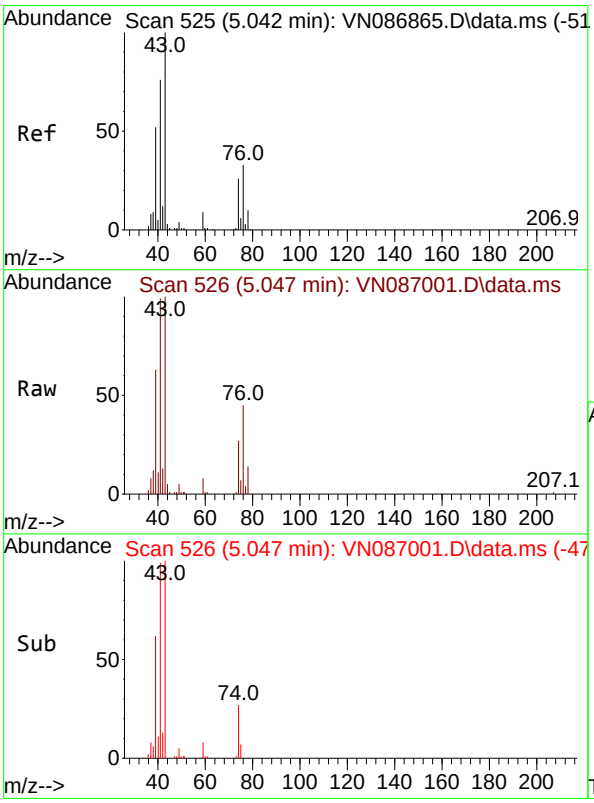
Ion	Ratio	Lower	Upper
56	100		
55	71.0	55.6	83.4



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

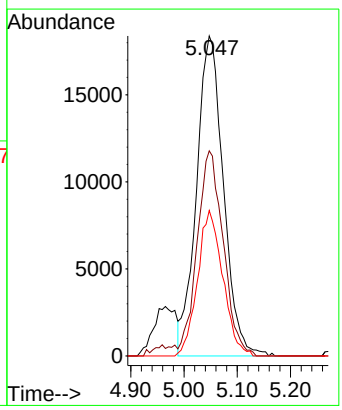
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

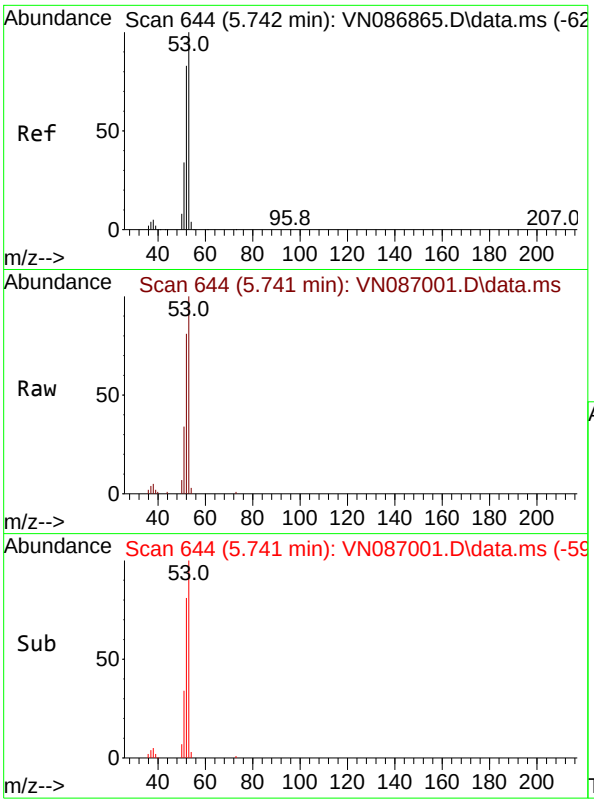


#14
Allyl chloride
Concen: 19.336 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 41 Resp: 64592

Ion	Ratio	Lower	Upper
41	100		
39	62.0	51.3	76.9
76	42.5	31.4	47.0





#15
Acrylonitrile
Concen: 104.594 ug/l
RT: 5.741 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

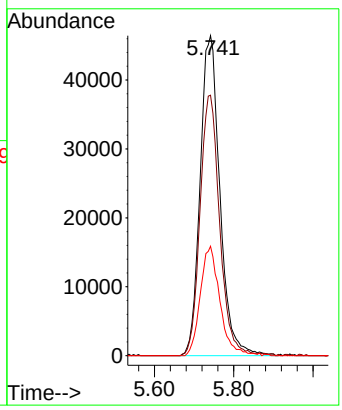
Tgt Ion: 53 Resp: 16072

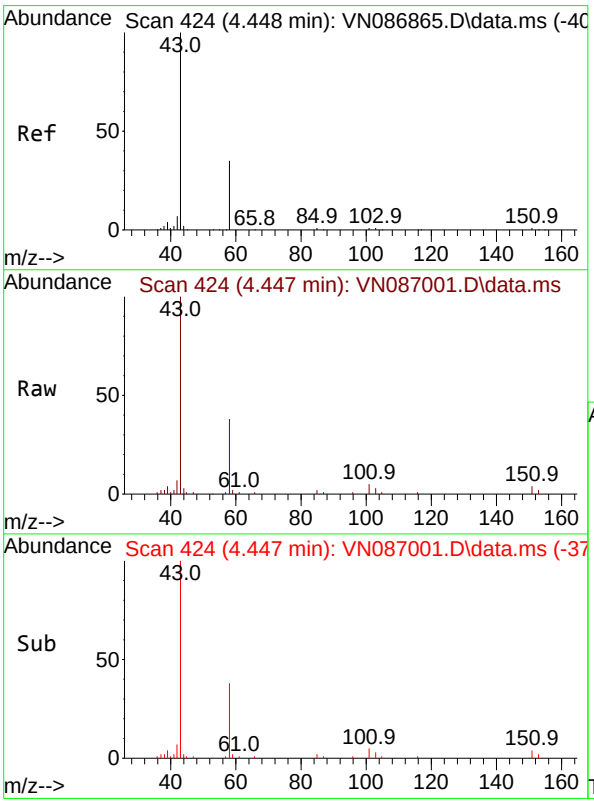
Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.0	97.6
51	33.9	27.2	40.8

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

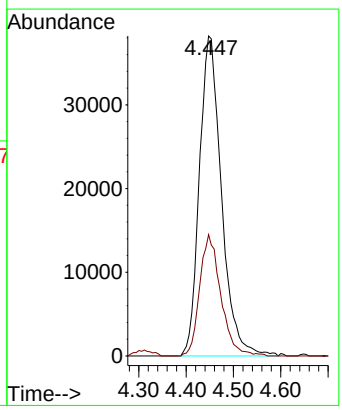


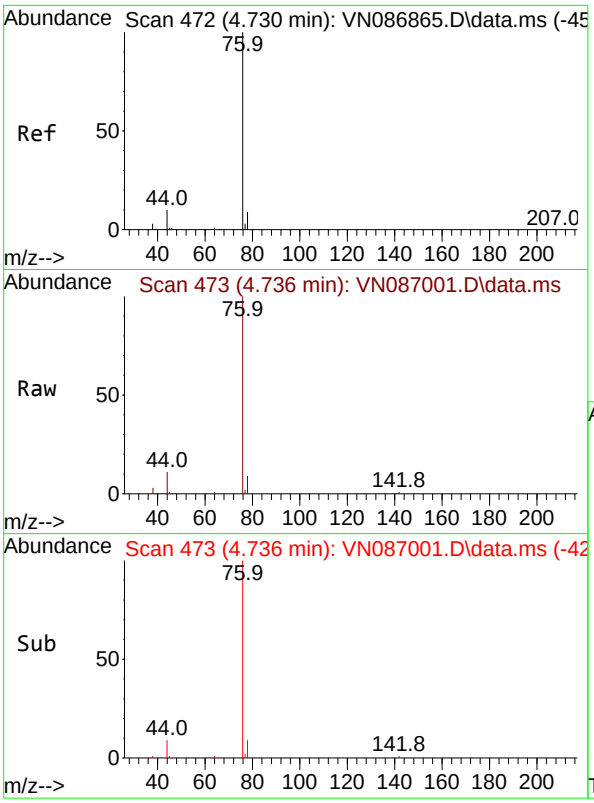


#16
Acetone
Concen: 96.269 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 43 Resp: 123697

Ion	Ratio	Lower	Upper
43	100		
58	37.9	28.0	42.0

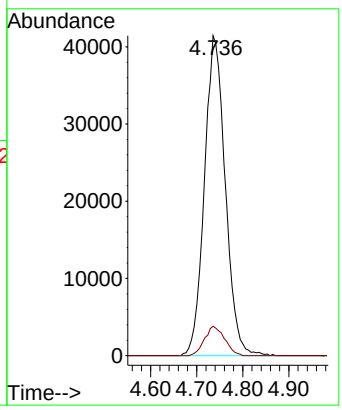




#17
Carbon Disulfide
Concen: 23.437 ug/l
RT: 4.736 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 76 Resp: 13057

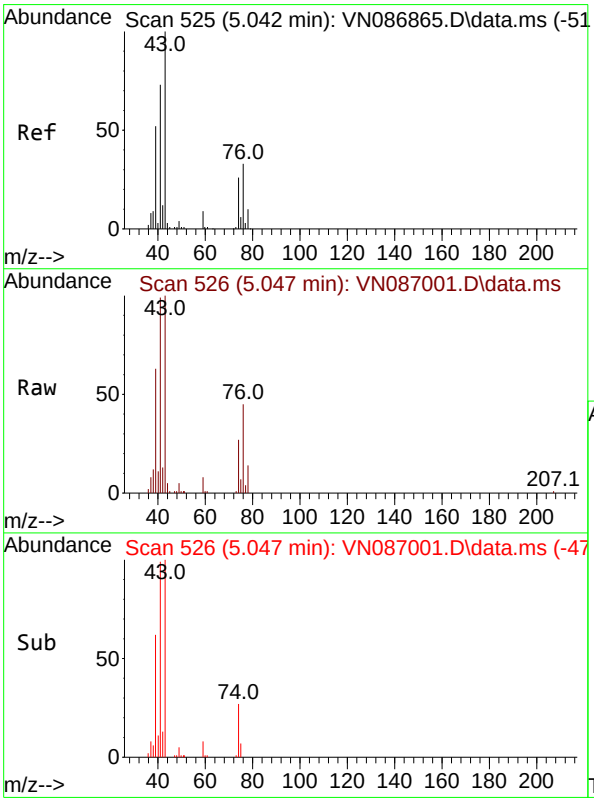
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

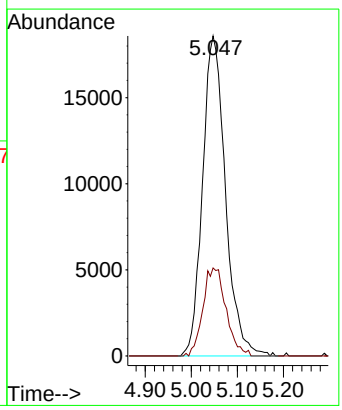
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

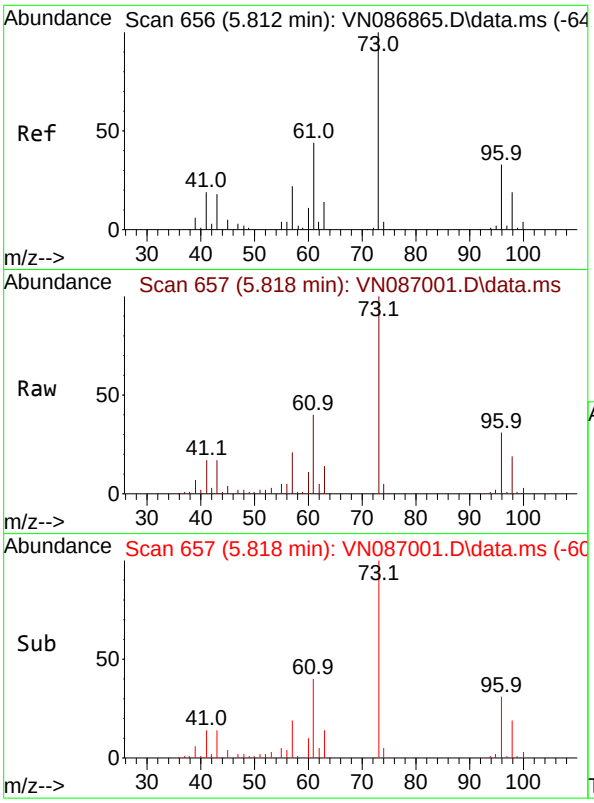


#18
Methyl Acetate
Concen: 17.161 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 43 Resp: 64257

Ion	Ratio	Lower	Upper
43	100		
74	27.7	20.7	31.1





#19
Methyl tert-butyl Ether
Concen: 21.160 ug/l
RT: 5.818 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

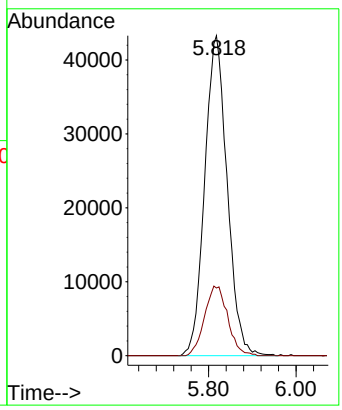
Tgt Ion: 73 Resp: 15432

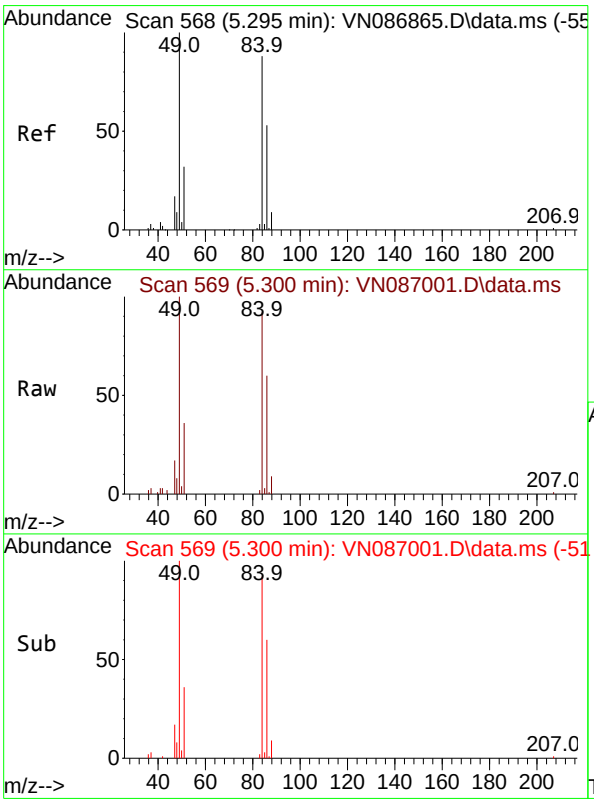
Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.4	26.2

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

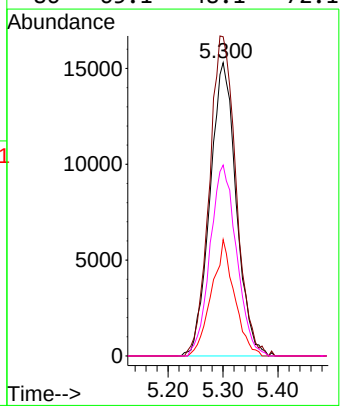


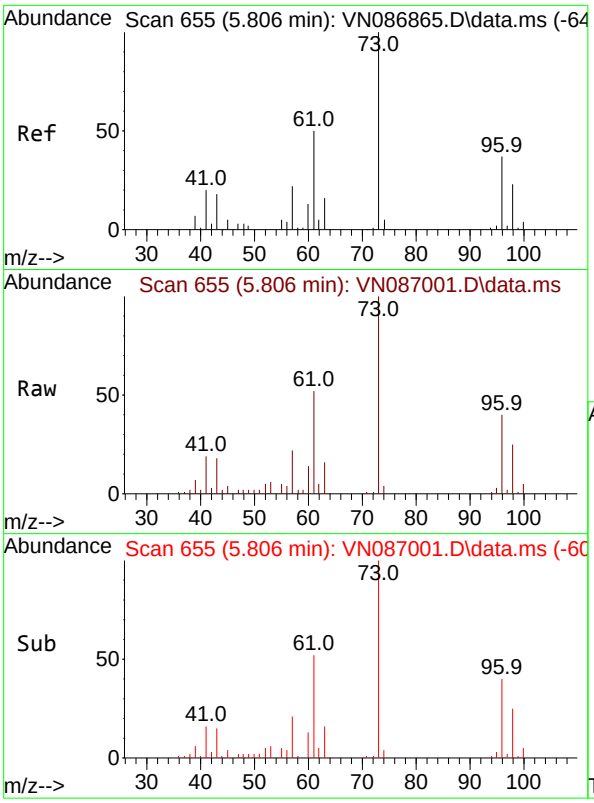


#20
Methylene Chloride
Concen: 21.099 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 84 Resp: 50756

Ion	Ratio	Lower	Upper
84	100		
49	108.8	90.5	135.7
51	39.7	28.5	42.7
86	65.1	48.1	72.1

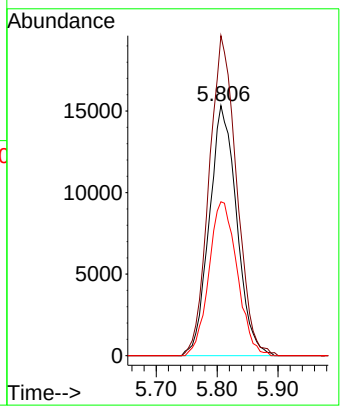




#21
trans-1,2-Dichloroethene
Concen: 21.392 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 96 Resp: 4794

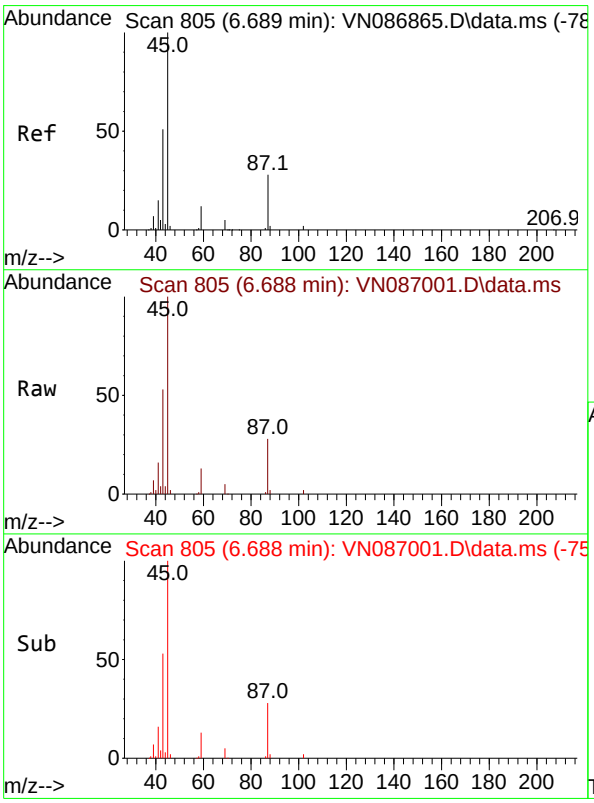
Ion	Ratio	Lower	Upper
96	100		
61	128.0	109.2	163.8
98	61.6	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

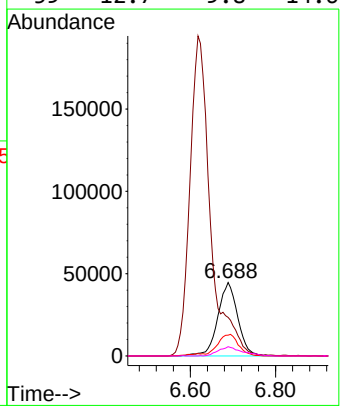
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

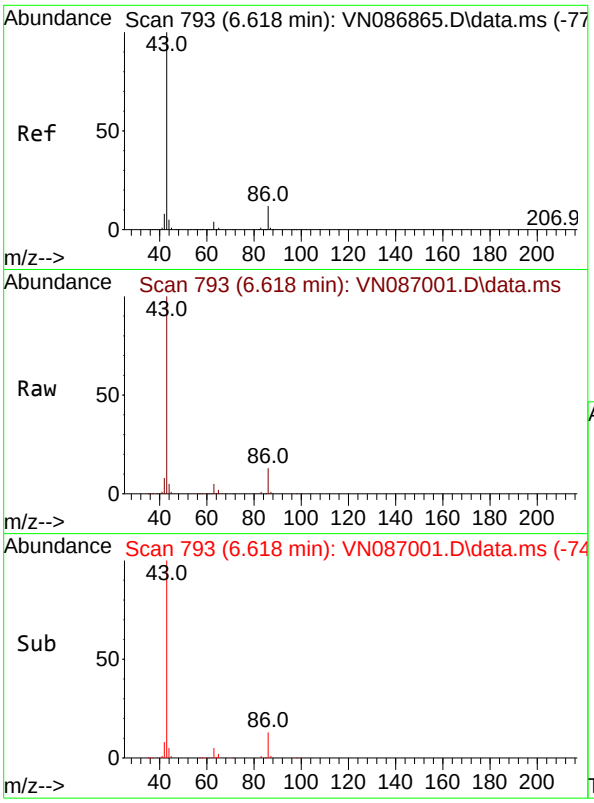


#22
Diisopropyl ether
Concen: 20.648 ug/l
RT: 6.688 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 45 Resp: 145393

Ion	Ratio	Lower	Upper
45	100		
43	51.9	41.9	62.9
87	28.3	22.4	33.6
59	12.7	9.8	14.6





#23
Vinyl Acetate
Concen: 108.602 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

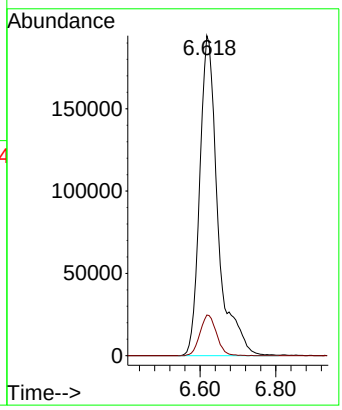
Tgt Ion: 43 Resp: 64609

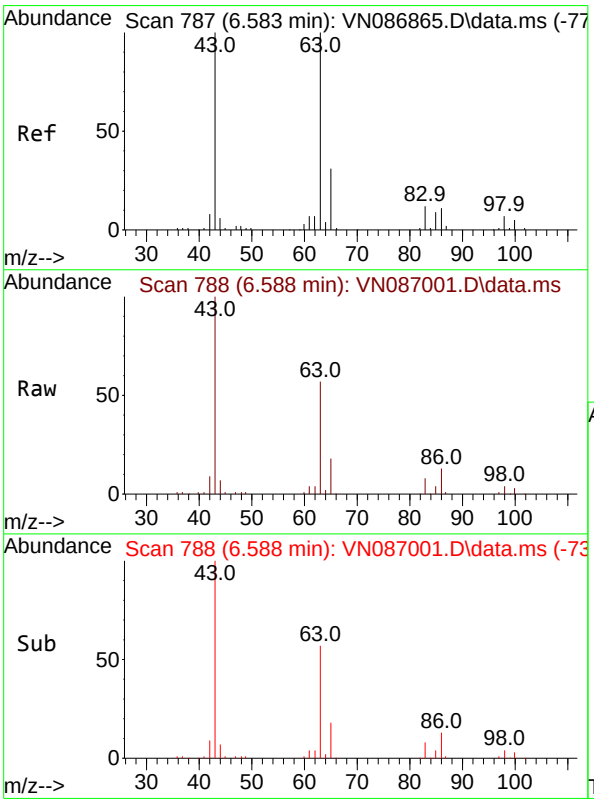
Ion	Ratio	Lower	Upper
43	100		
86	12.7	9.5	14.3

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

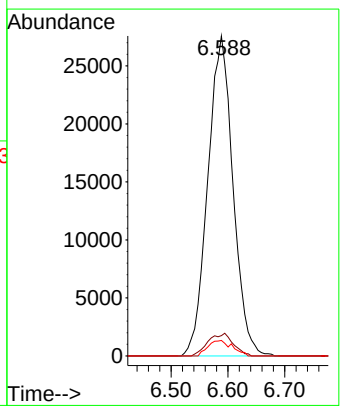


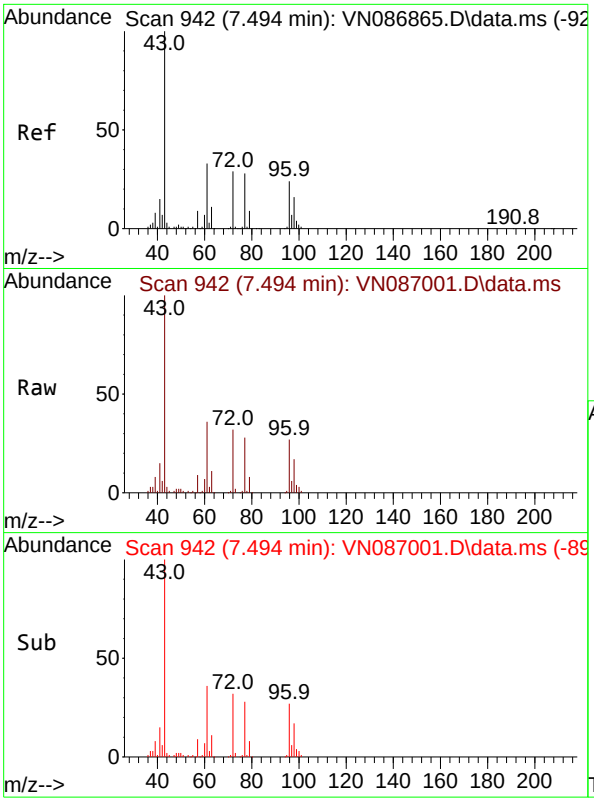


#24
1,1-Dichloroethane
Concen: 20.987 ug/l
RT: 6.588 min Scan# 788
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 63 Resp: 85045

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.6	10.8
100	4.8	2.6	7.8





#25
2-Butanone
Concen: 99.397 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

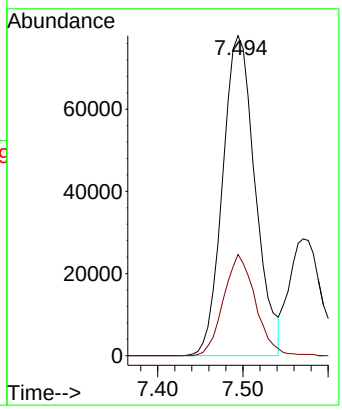
Tgt Ion: 43 Resp: 20759

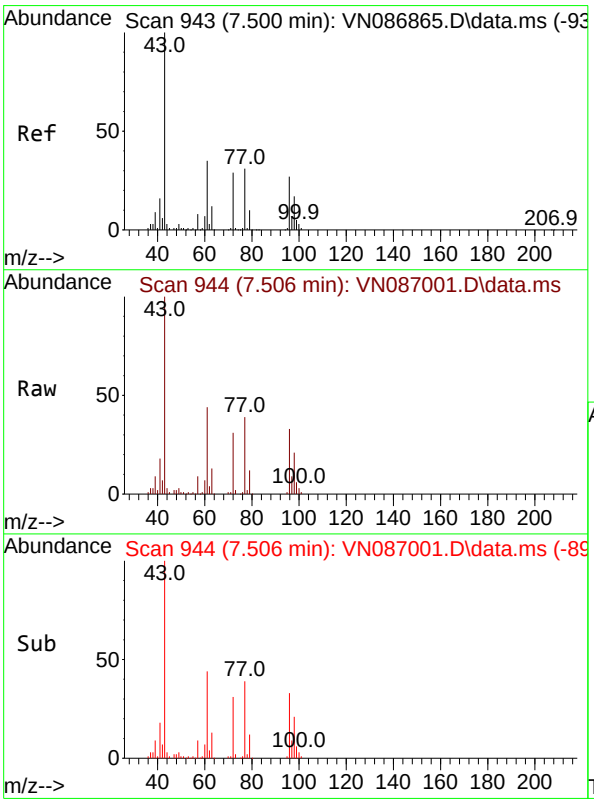
Ion	Ratio	Lower	Upper
43	100		
72	31.7	23.0	34.6

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

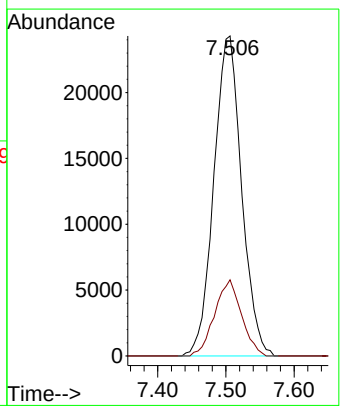


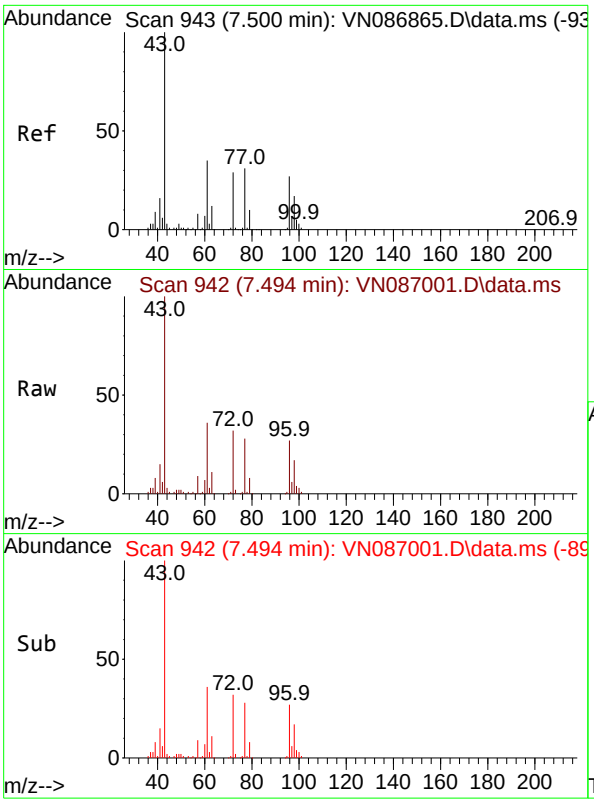


#26
2,2-Dichloropropane
Concen: 21.839 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 77 Resp: 68840

Ion	Ratio	Lower	Upper
77	100		
97	23.0	11.6	34.7





#27
cis-1,2-Dichloroethene
Concen: 21.408 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

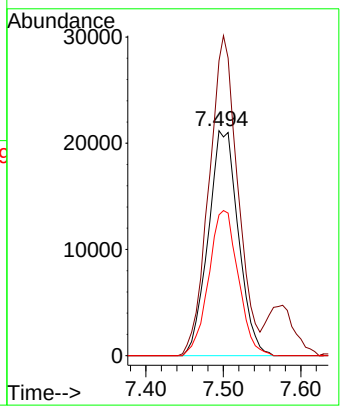
Tgt Ion: 96 Resp: 5737

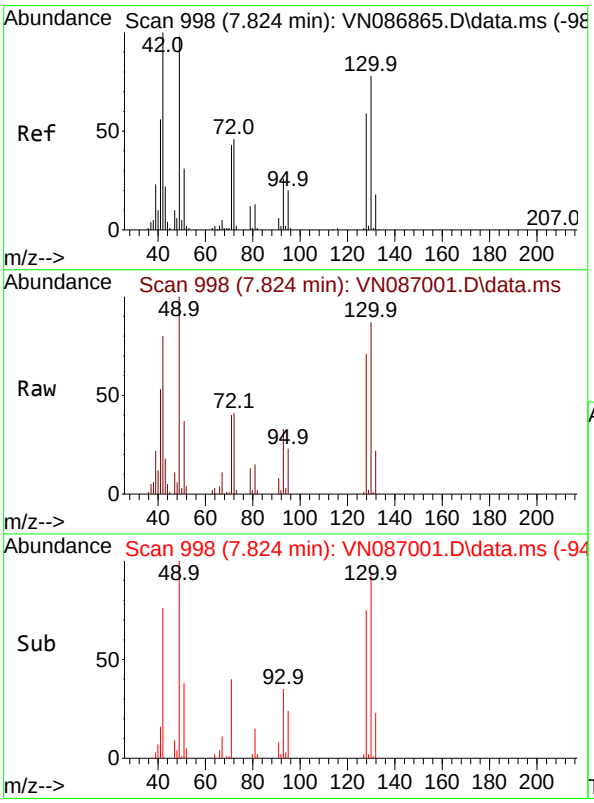
Ion	Ratio	Lower	Upper
96	100		
61	135.9	0.0	278.0
98	63.3	0.0	128.2

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

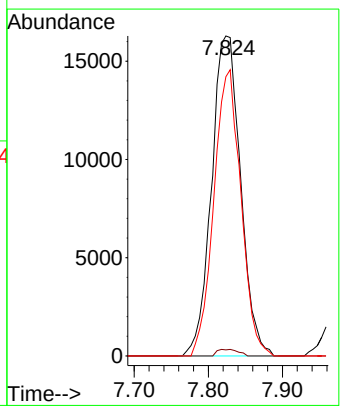


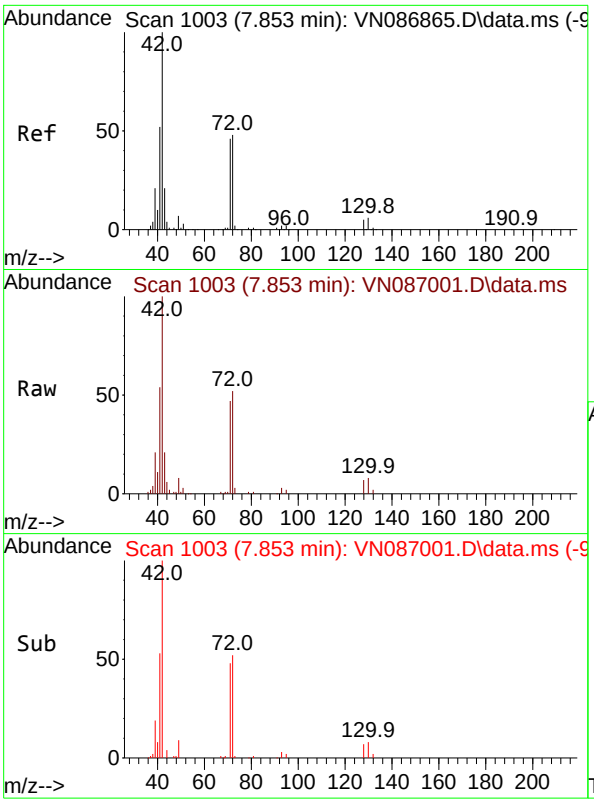


#28
Bromochloromethane
Concen: 22.248 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 49 Resp: 44327

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	83.3	62.2	93.2

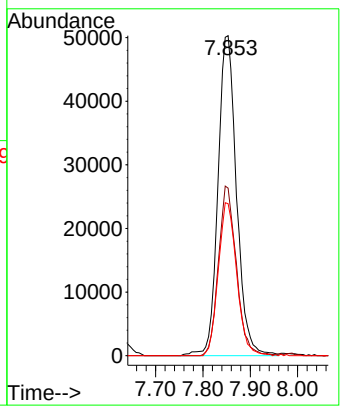




#29
Tetrahydrofuran
Concen: 100.794 ug/l
RT: 7.853 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 42 Resp: 13713

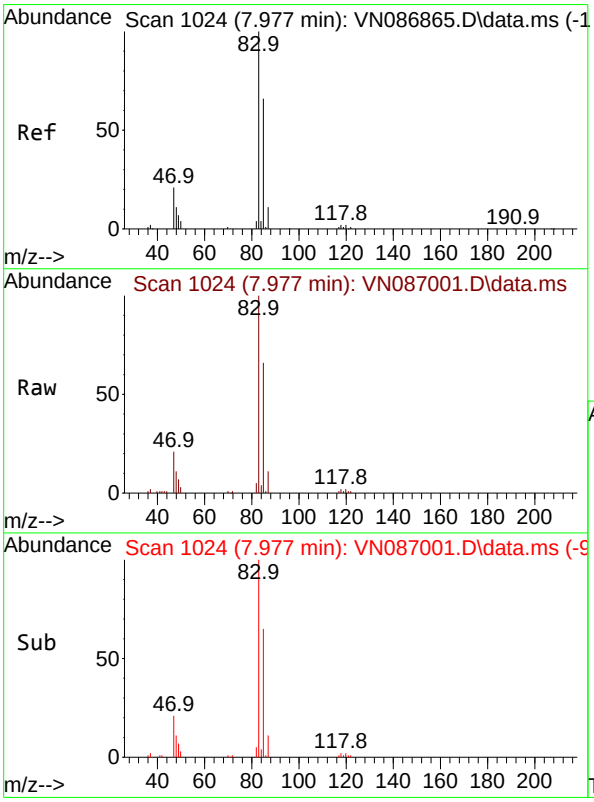
Ion	Ratio	Lower	Upper
42	100		
72	51.1	37.8	56.6
71	47.4	35.6	53.4



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

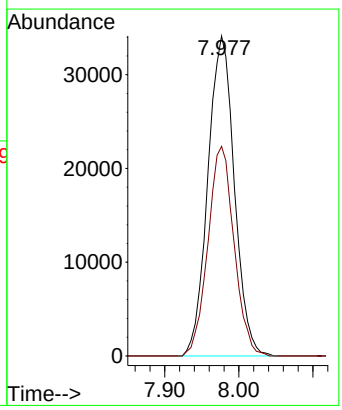
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

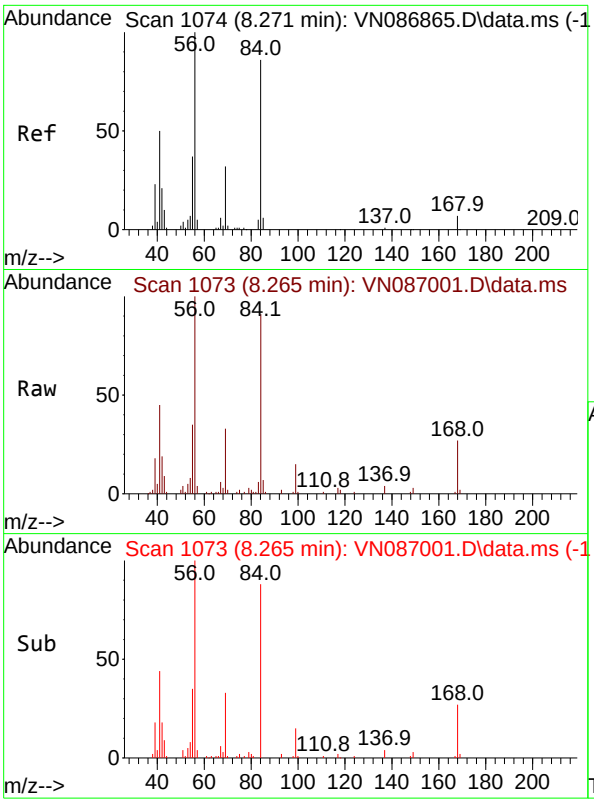


#30
Chloroform
Concen: 20.918 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 83 Resp: 84649

Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.9	79.3





#31
Cyclohexane
Concen: 19.843 ug/l
RT: 8.265 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

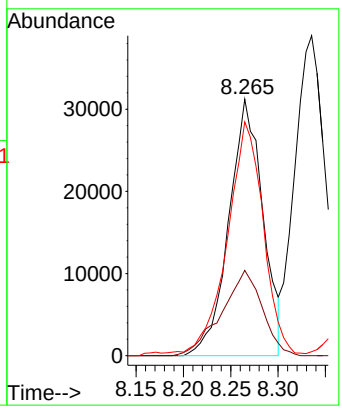
Tgt Ion: 56 Resp: 7798

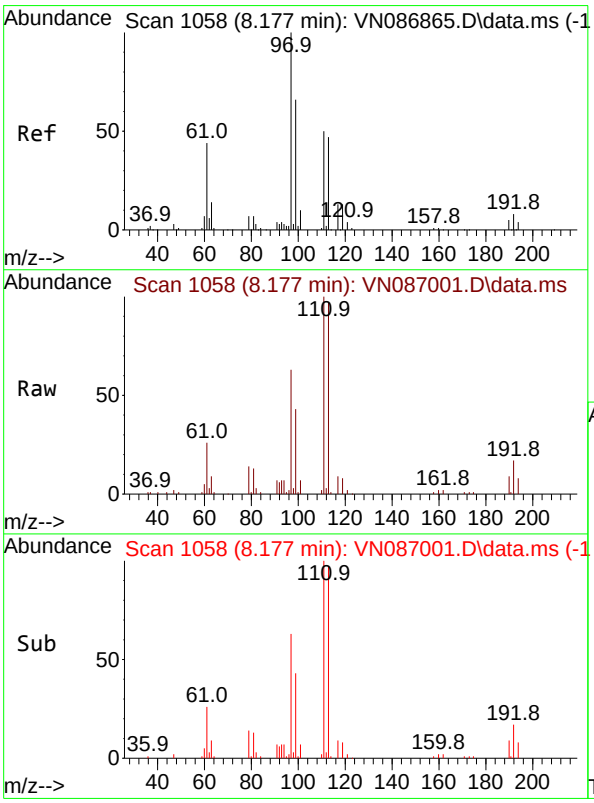
Ion	Ratio	Lower	Upper
56	100		
69	32.8	25.4	38.0
84	89.5	68.8	103.2

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

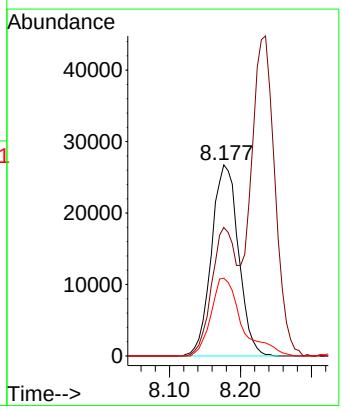


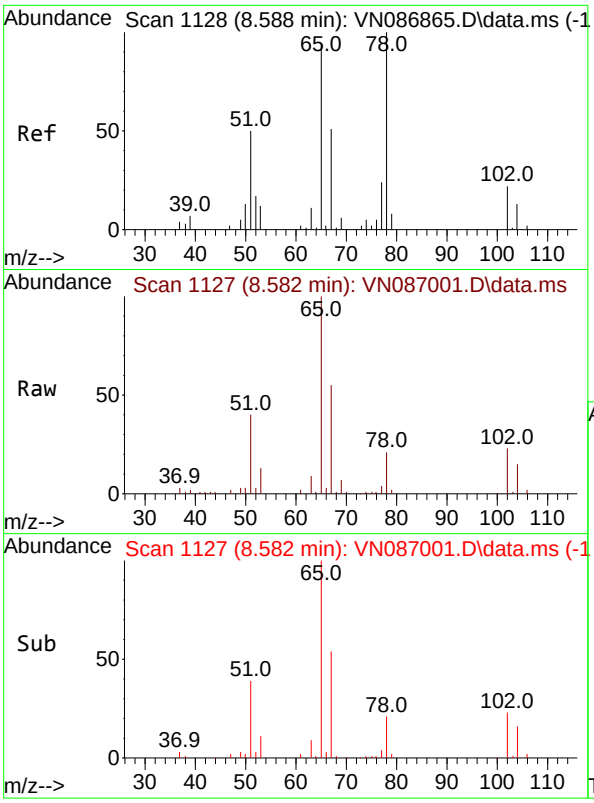


#32
1,1,1-Trichloroethane
Concen: 20.439 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 97 Resp: 70349

Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.0	78.0
61	46.5	35.9	53.9





#33
1,2-Dichloroethane-d4
Concen: 48.096 ug/l
RT: 8.582 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

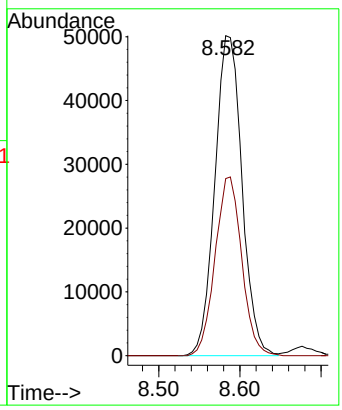
Tgt Ion: 65 Resp: 11653

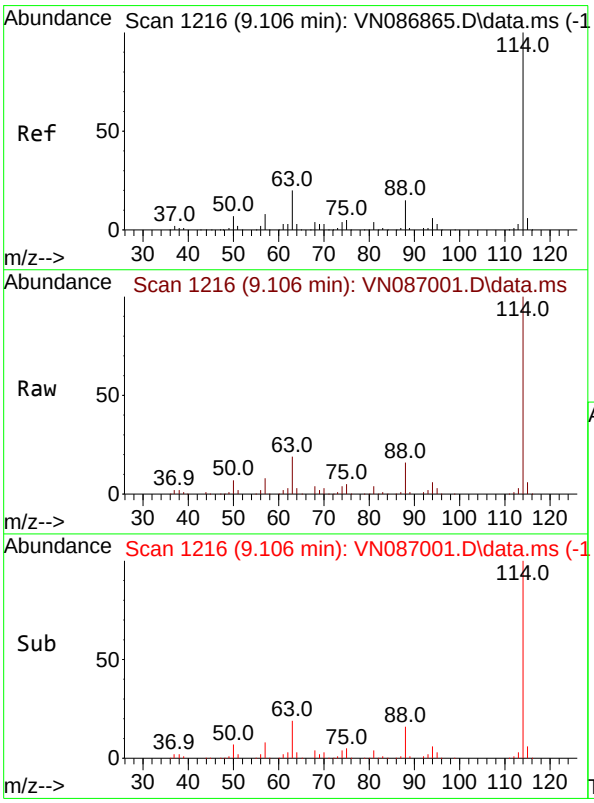
Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	105.6

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

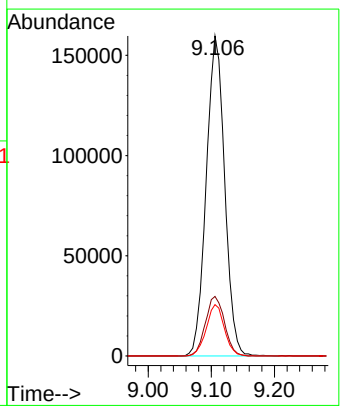


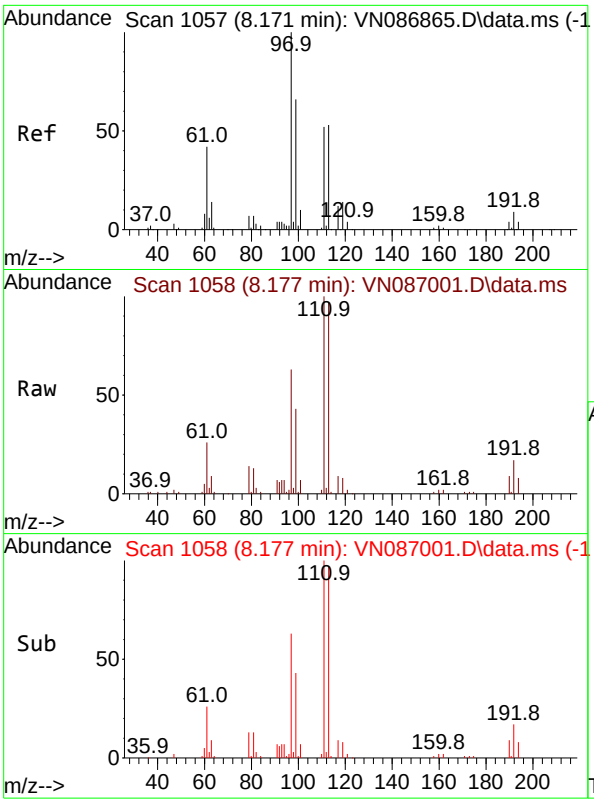


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:114 Resp: 323903

Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	39.6
88	16.0	0.0	30.2

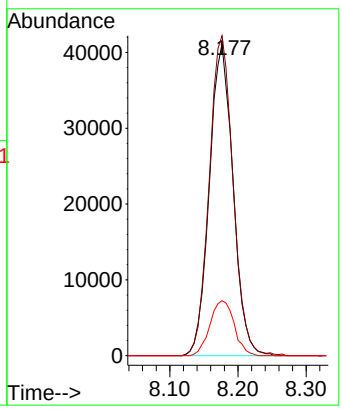




#35
Dibromofluoromethane
Concen: 51.696 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:113 Resp: 9923

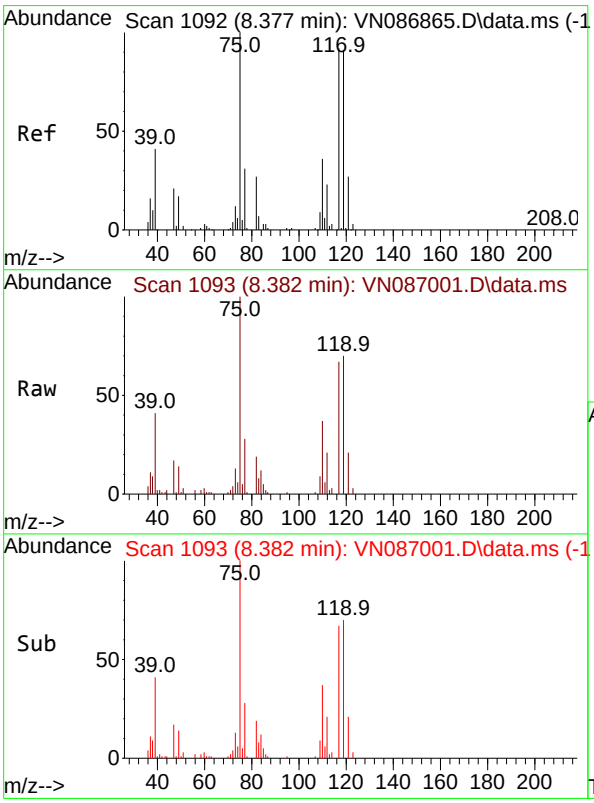
Ion	Ratio	Lower	Upper
113	100		
111	103.5	84.2	126.2
192	18.1	14.2	21.4



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

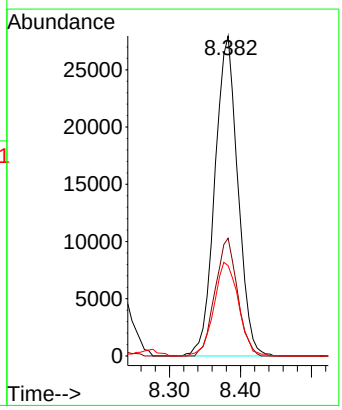
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

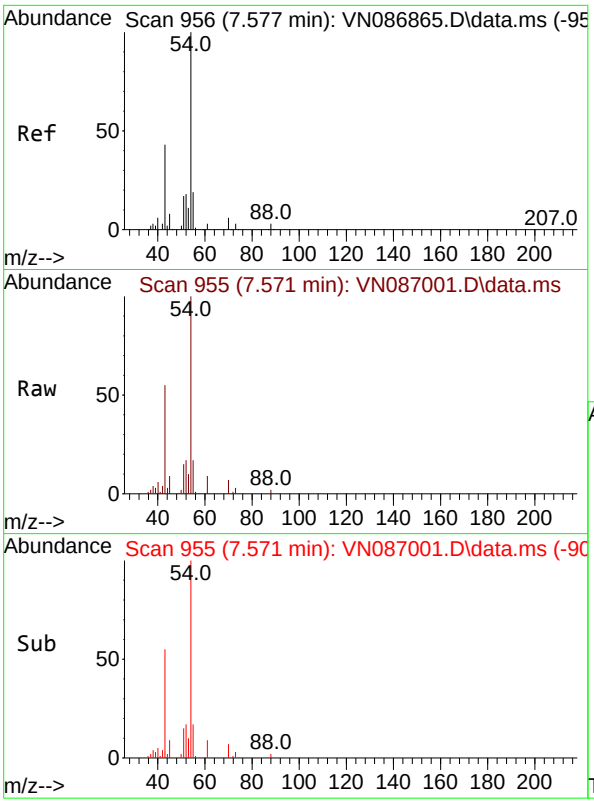


#36
1,1-Dichloropropene
Concen: 21.922 ug/l
RT: 8.382 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 75 Resp: 62704

Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.6	52.9
77	31.2	25.3	37.9





#37
Ethyl Acetate
Concen: 21.274 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

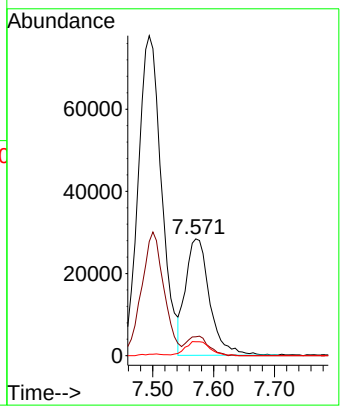
Tgt Ion: 43 Resp: 7746

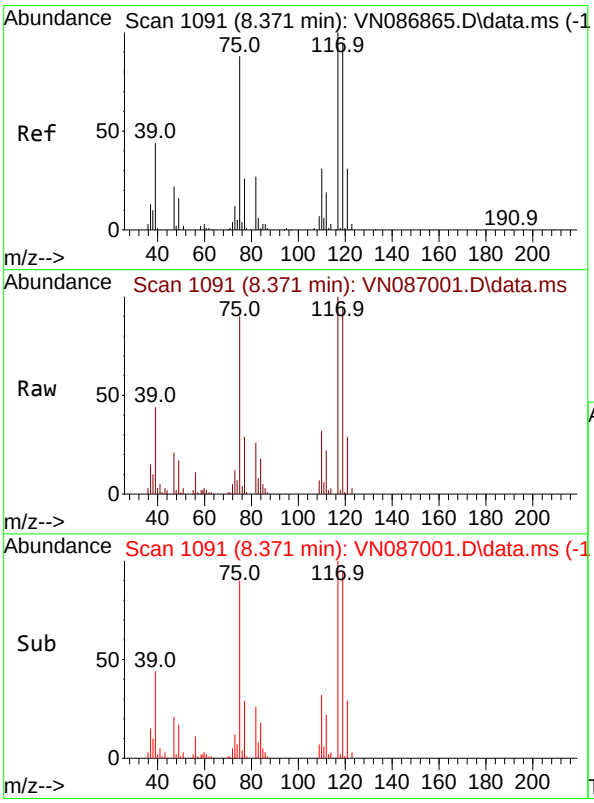
Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.1	18.1
70	12.4	9.8	14.6

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

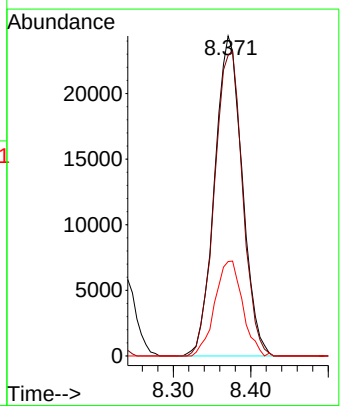


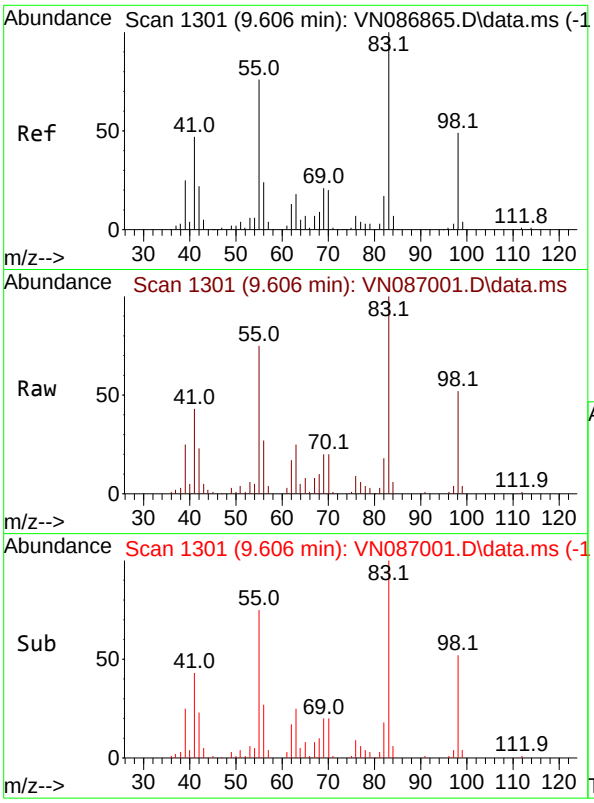


#38
Carbon Tetrachloride
Concen: 21.535 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:117 Resp: 60473

Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.0	112.6
121	29.5	24.9	37.3

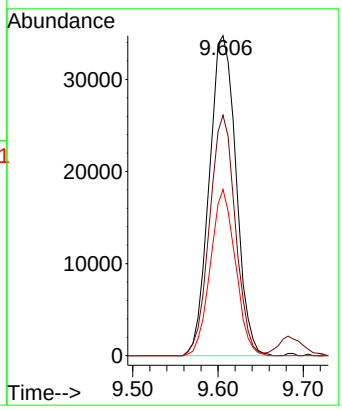




#39
Methylcyclohexane
Concen: 19.353 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 83 Resp: 7584

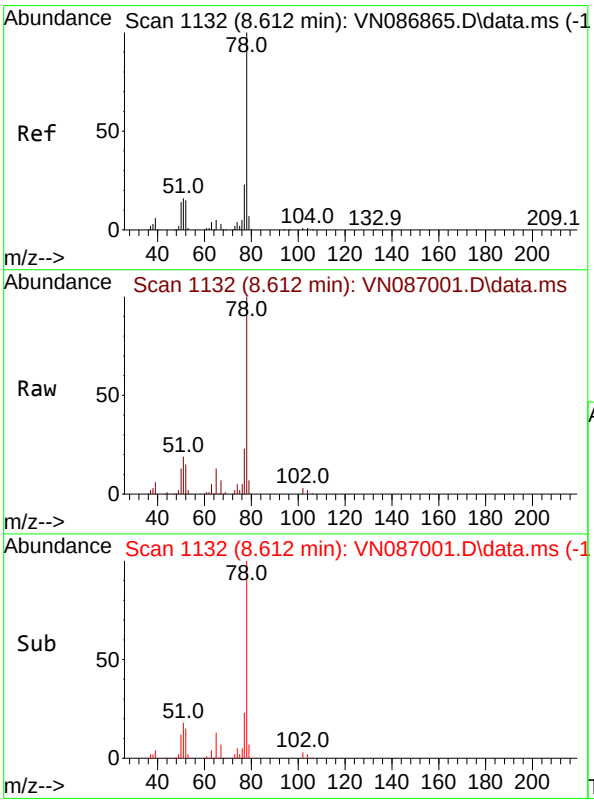
Ion	Ratio	Lower	Upper
83	100		
55	75.2	61.0	91.6
98	51.9	38.9	58.3



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

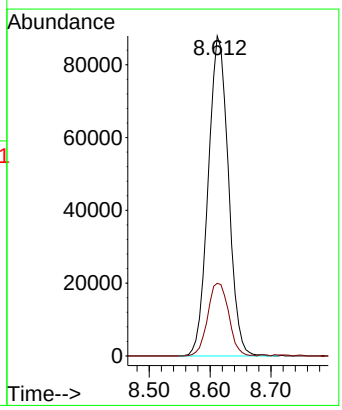
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

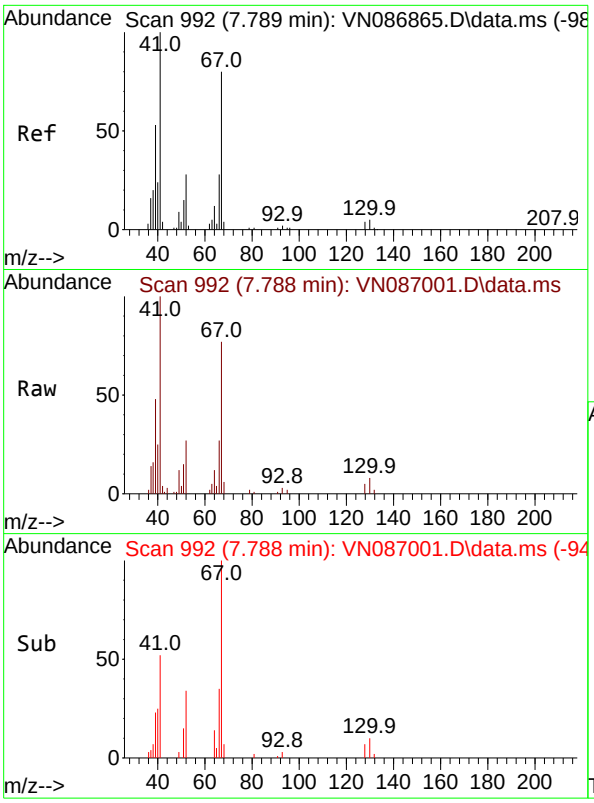


#40
Benzene
Concen: 21.640 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 78 Resp: 202406

Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.7	28.1

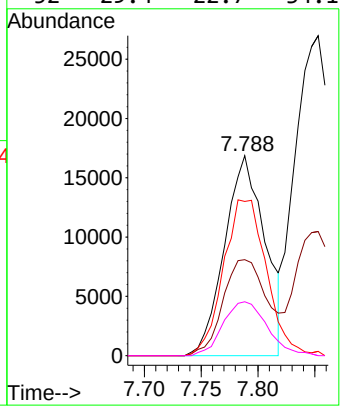




#41
Methacrylonitrile
Concen: 20.456 ug/l
RT: 7.788 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 41 Resp: 4183

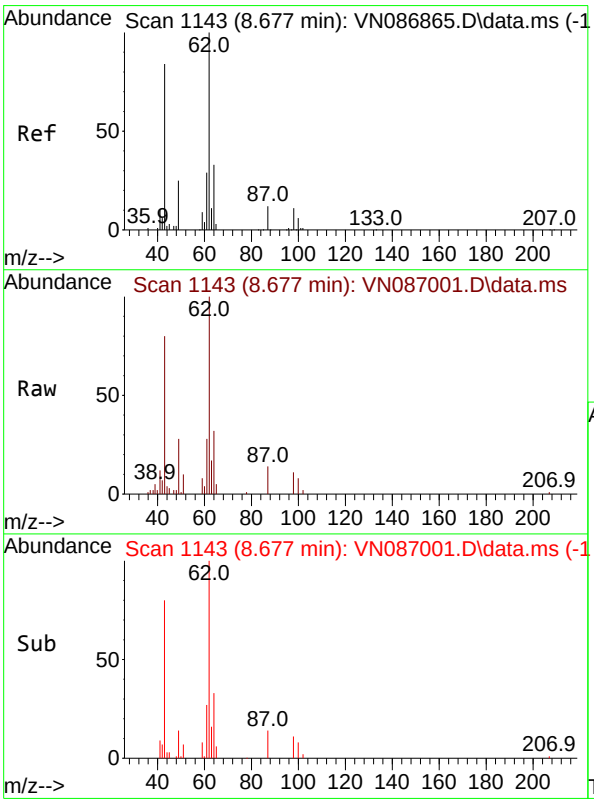
Ion	Ratio	Lower	Upper
41	100		
39	51.7	41.2	61.8
67	83.0	61.4	92.2
52	29.4	22.7	34.1



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

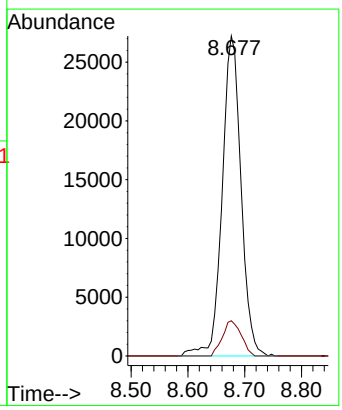
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

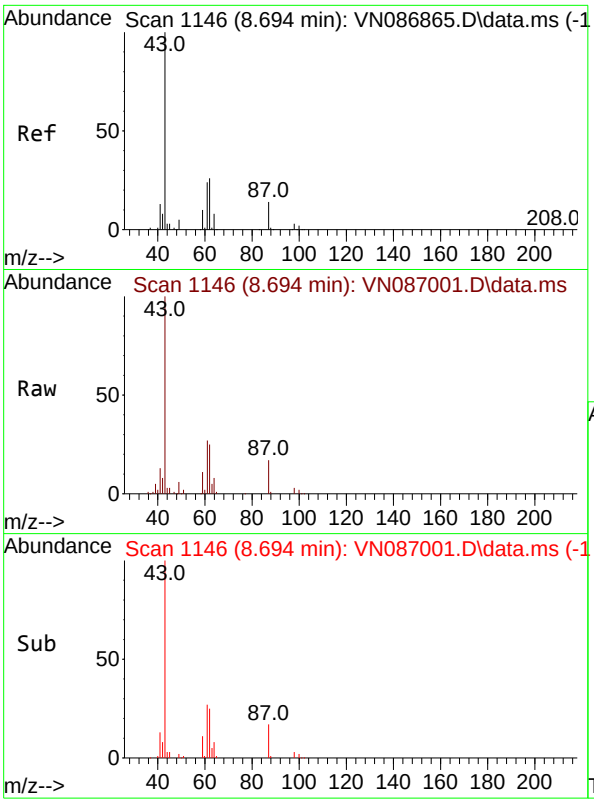


#42
1,2-Dichloroethane
Concen: 22.173 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 62 Resp: 62902

Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	21.2





#43
Isopropyl Acetate
Concen: 20.598 ug/l
RT: 8.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

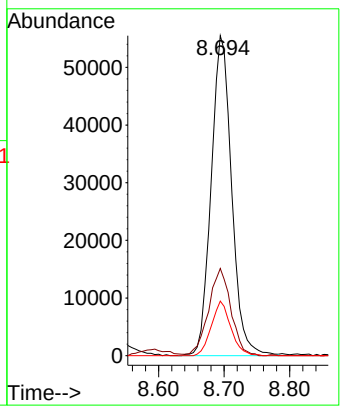
Tgt Ion: 43 Resp: 12037

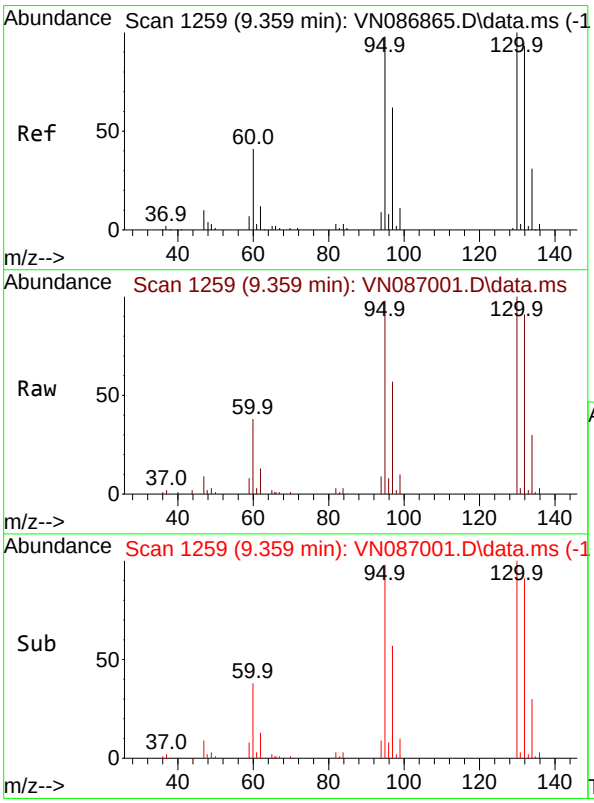
Ion	Ratio	Lower	Upper
43	100		
61	29.8	22.1	33.1
87	16.2	11.8	17.6

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

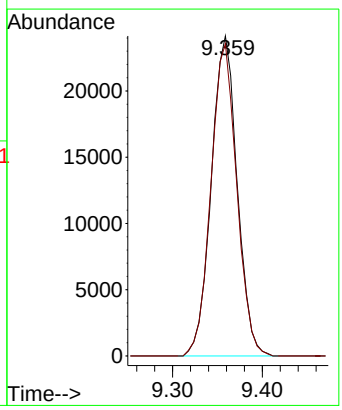


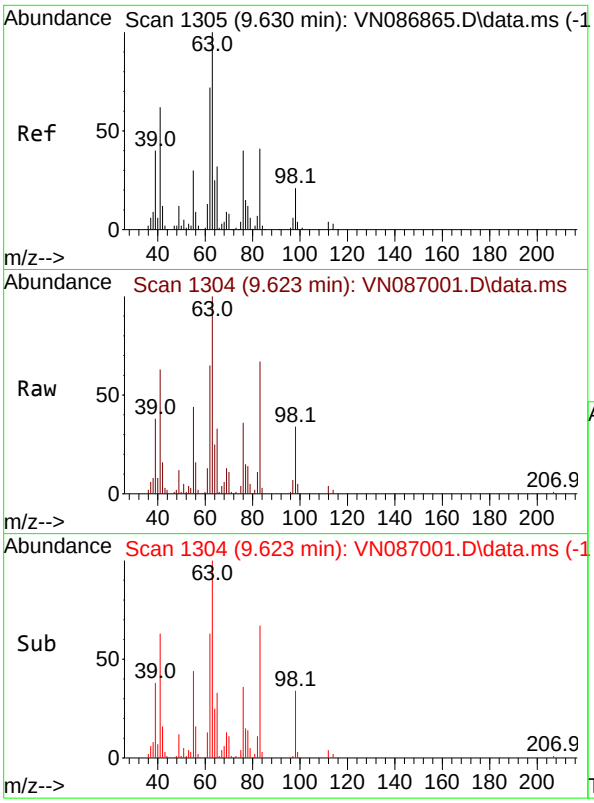


#44
Trichloroethene
Concen: 21.782 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:130 Resp: 48309

Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	196.2

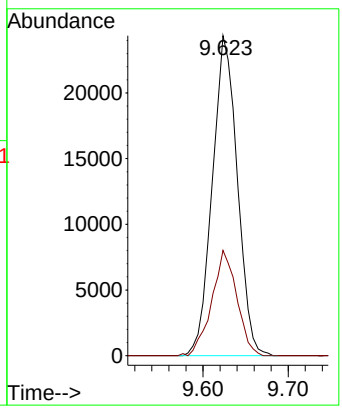




#45
1,2-Dichloropropane
Concen: 21.787 ug/l
RT: 9.623 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 63 Resp: 4957

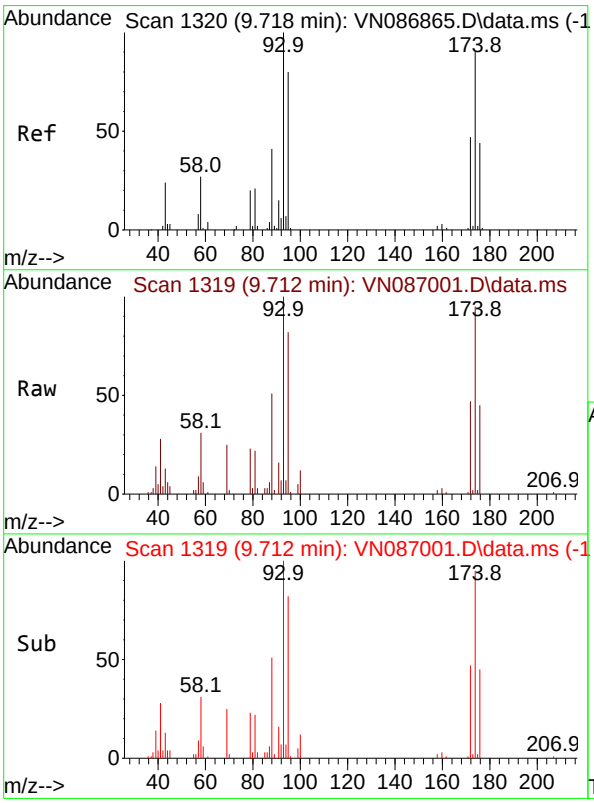
Ion	Ratio	Lower	Upper
63	100		
65	32.9	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

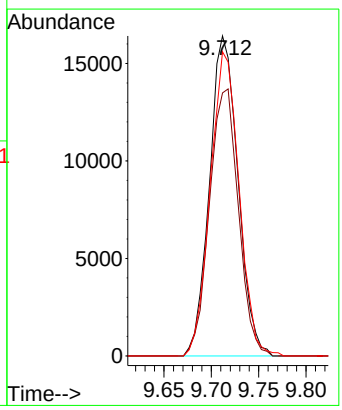
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

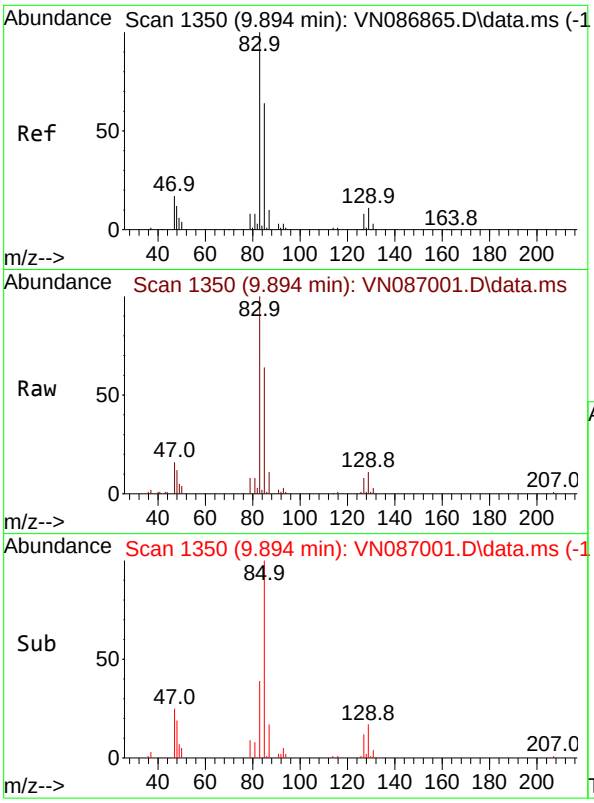


#46
Dibromomethane
Concen: 22.695 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 93 Resp: 34302

Ion	Ratio	Lower	Upper
93	100		
95	84.8	67.1	100.7
174	96.0	74.2	111.4

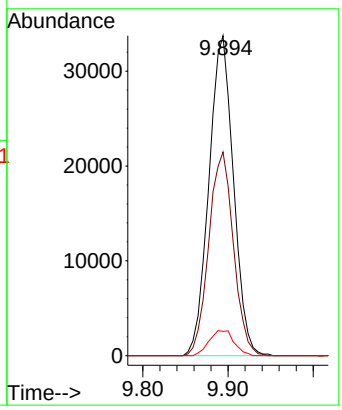




#47
Bromodichloromethane
Concen: 21.690 ug/l
RT: 9.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 83 Resp: 6745

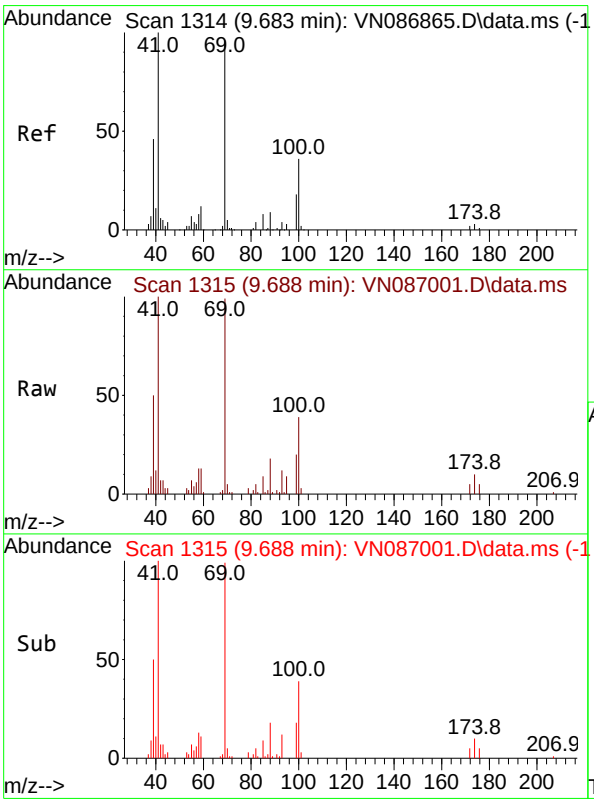
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3
127	7.6	6.6	10.0



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

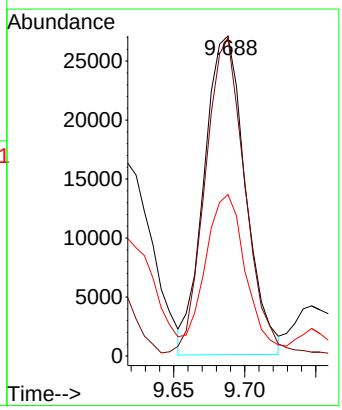
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

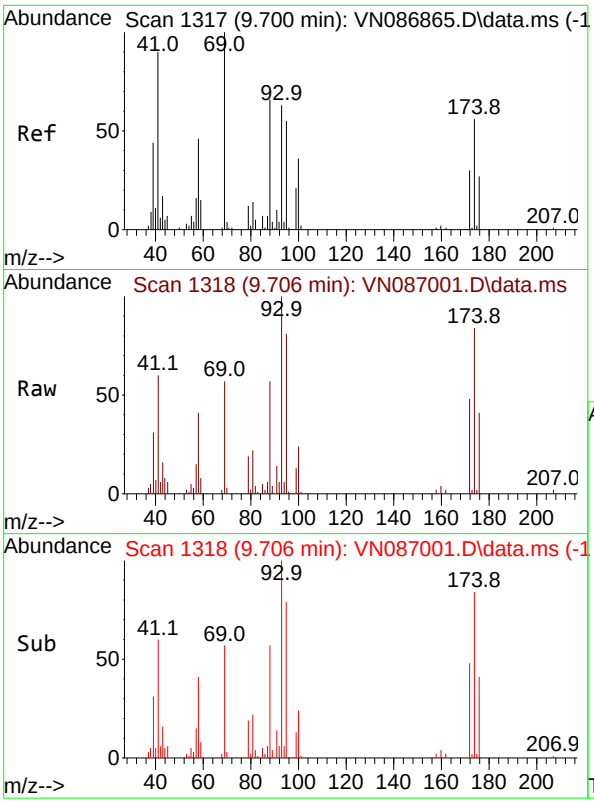


#48
Methyl methacrylate
Concen: 20.281 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 41 Resp: 54551

Ion	Ratio	Lower	Upper
41	100		
69	97.9	74.6	112.0
39	51.1	40.2	60.4





#49
1,4-Dioxane
Concen: 444.867 ug/l
RT: 9.706 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

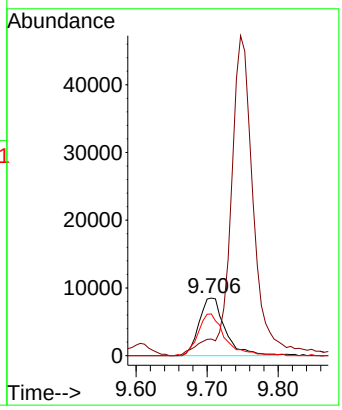
Tgt Ion: 88 Resp: 2176

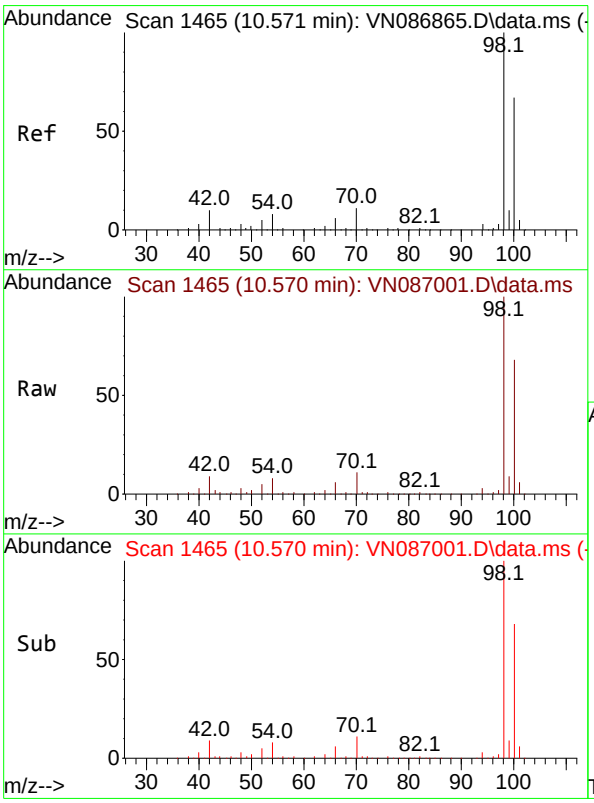
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	74.3	57.7	86.5

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

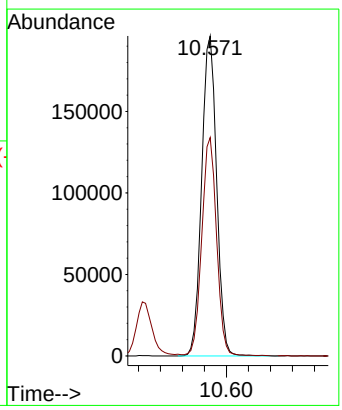


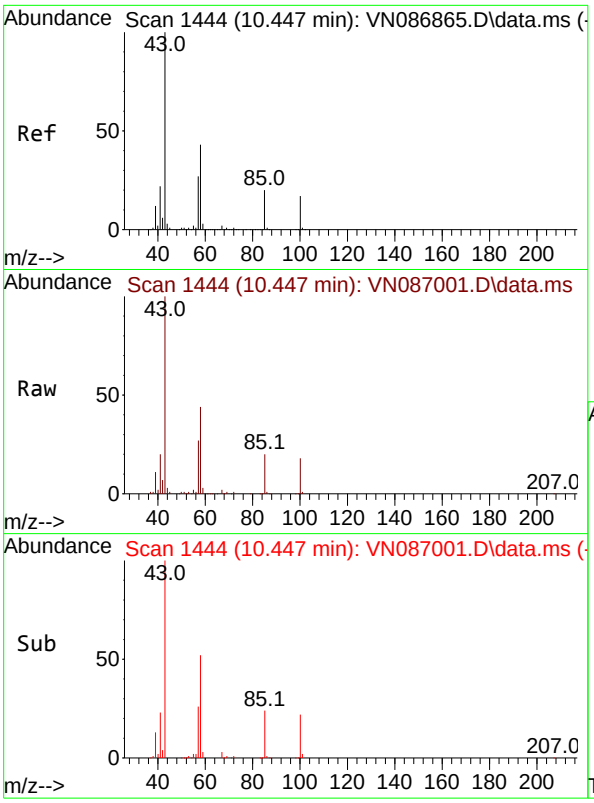


#50
Toluene-d8
Concen: 48.754 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 98 Resp: 370479

Ion	Ratio	Lower	Upper
98	100		
100	67.7	53.4	80.0





#51
4-Methyl-2-Pentanone
Concen: 102.903 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

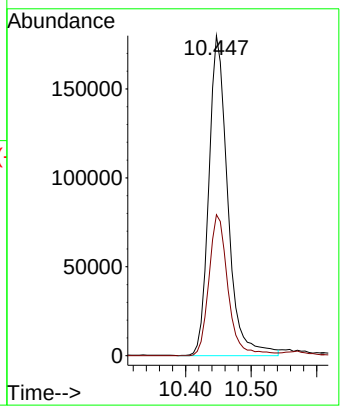
Tgt Ion: 43 Resp: 36203

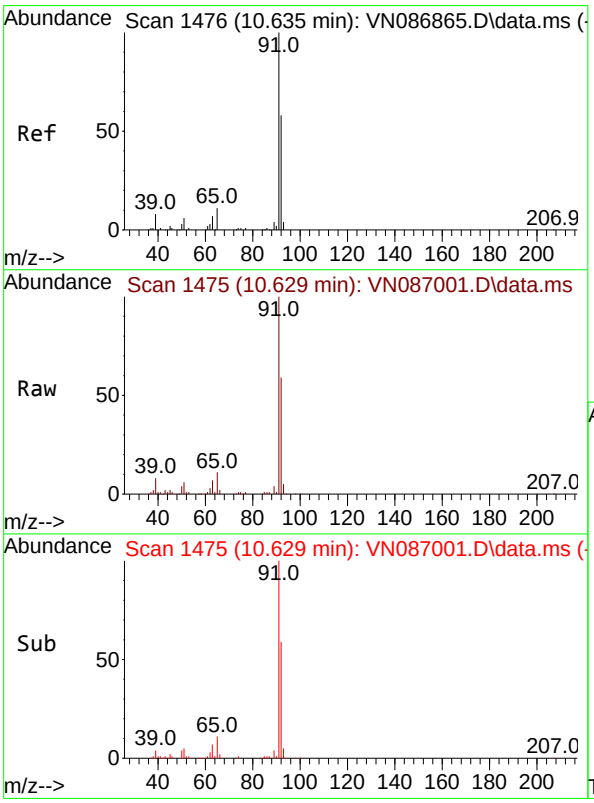
Ion	Ratio	Lower	Upper
43	100		
58	44.4	34.2	51.4

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

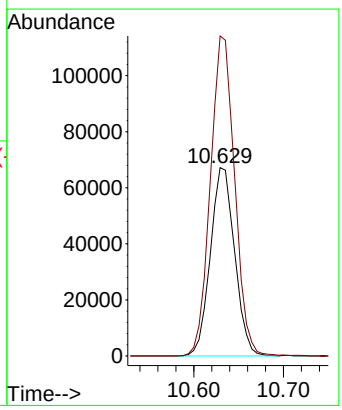


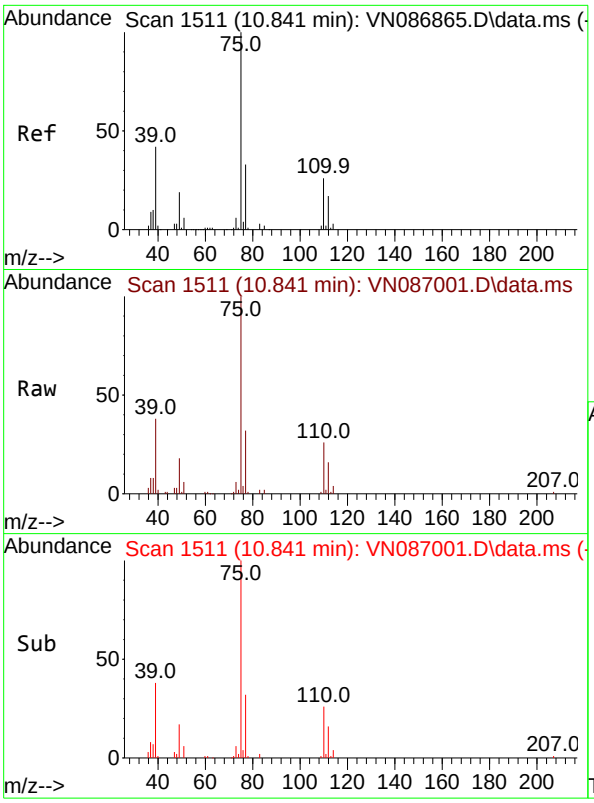


#52
Toluene
Concen: 22.064 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 92 Resp: 126116

Ion	Ratio	Lower	Upper
92	100		
91	170.2	136.5	204.7





#53
t-1,3-Dichloropropene
Concen: 21.834 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

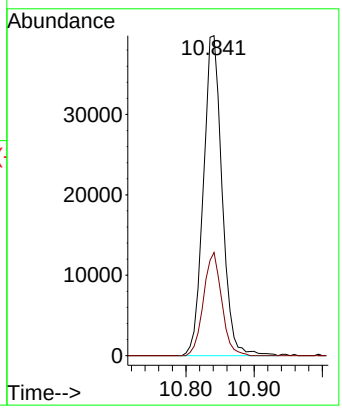
Tgt Ion: 75 Resp: 7592

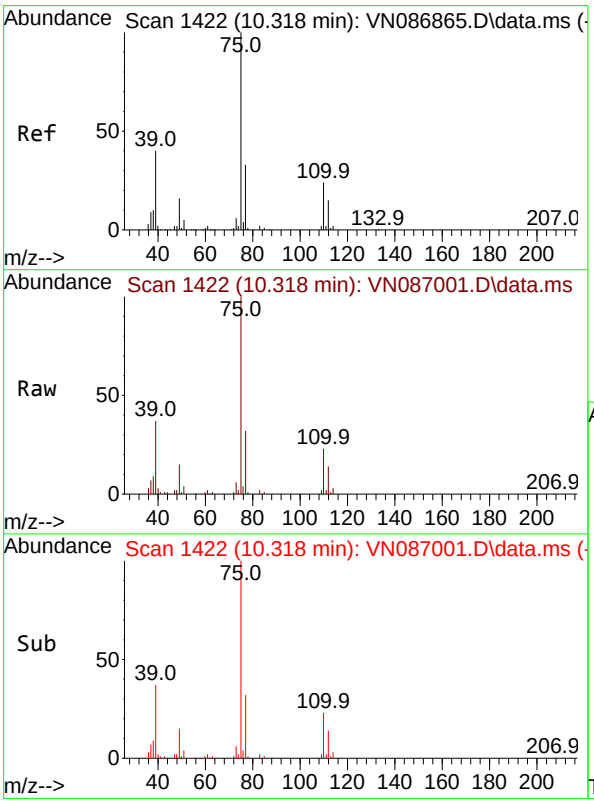
Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.4	39.6

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

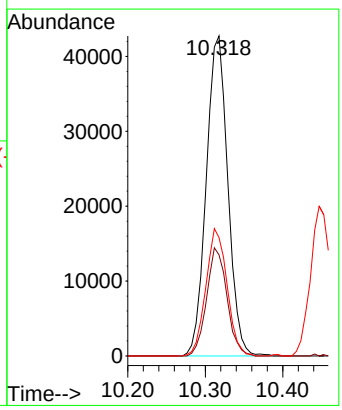


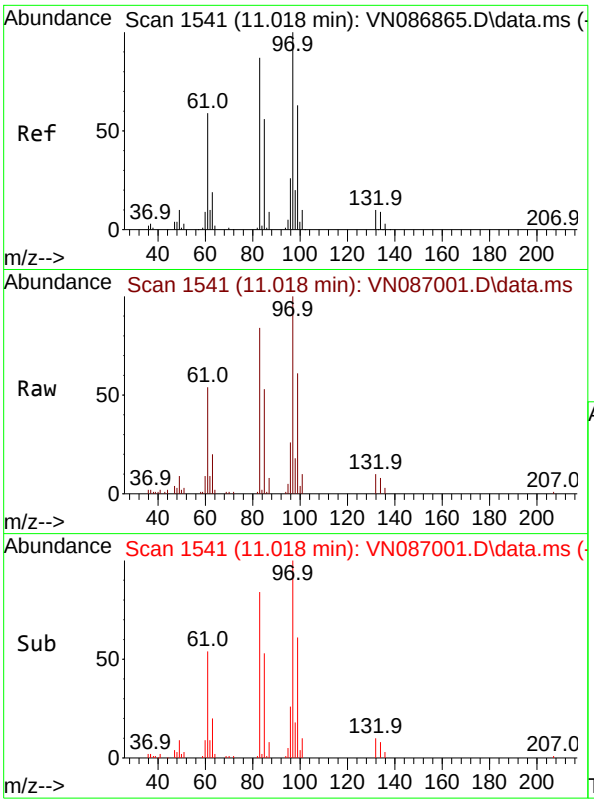


#54
cis-1,3-Dichloropropene
Concen: 22.247 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 75 Resp: 82774

Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.2	39.4
39	37.0	32.3	48.5

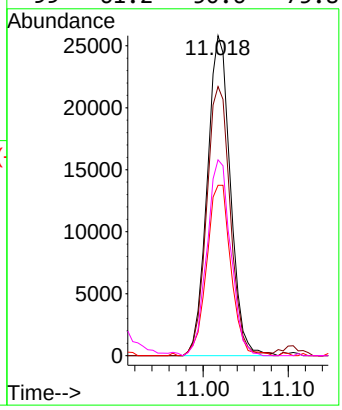




#55
1,1,2-Trichloroethane
Concen: 22.184 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 97 Resp: 4879

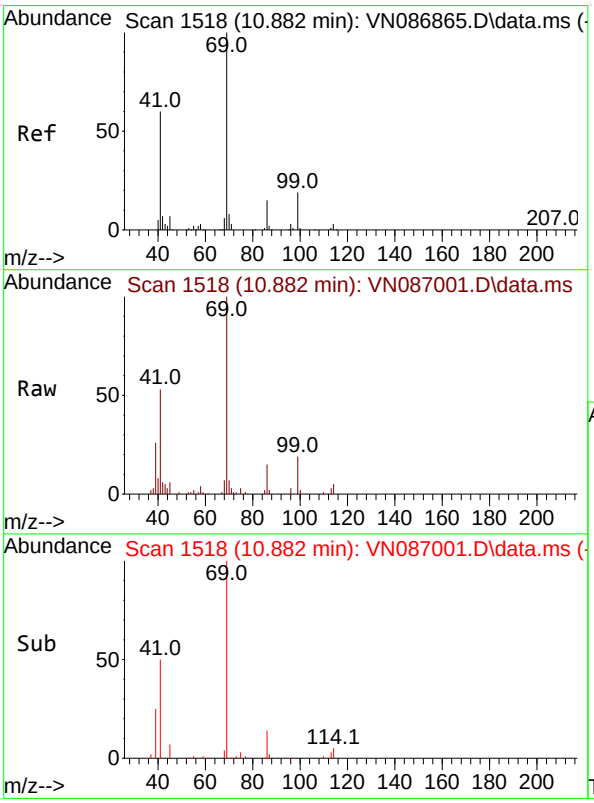
Ion	Ratio	Lower	Upper
97	100		
83	84.1	69.7	104.5
85	53.3	45.1	67.7
99	61.2	50.6	75.8



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

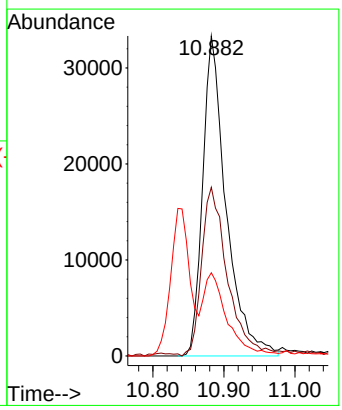
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

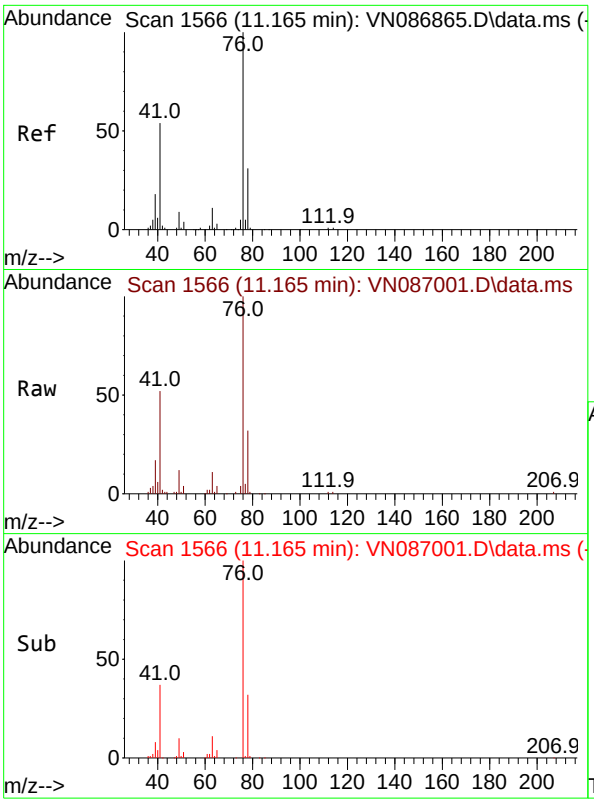


#56
Ethyl methacrylate
Concen: 21.872 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 69 Resp: 76622

Ion	Ratio	Lower	Upper
69	100		
41	59.0	47.2	70.8
39	24.4	23.0	34.6





#57
1,3-Dichloropropane
Concen: 22.075 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

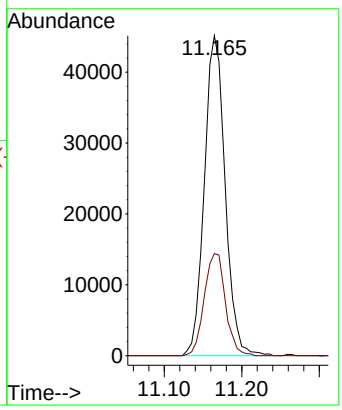
Tgt Ion: 76 Resp: 8422

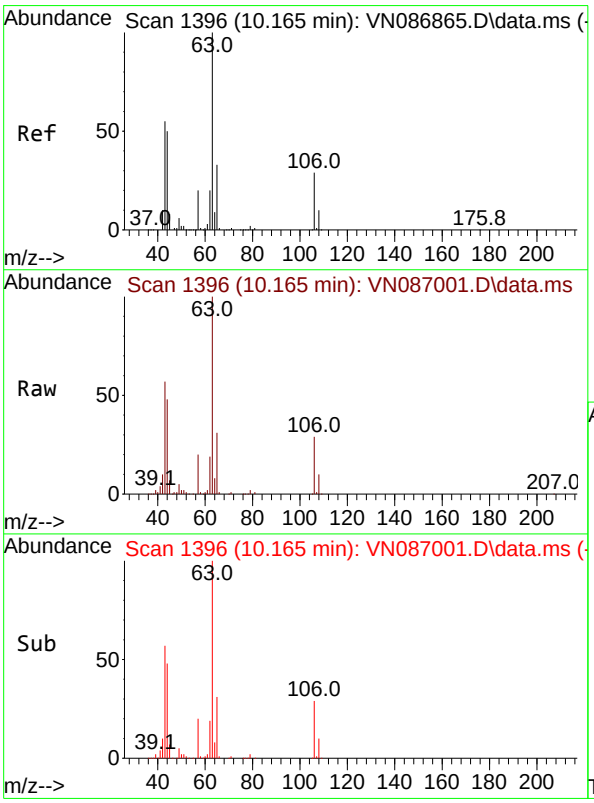
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.3	37.9

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

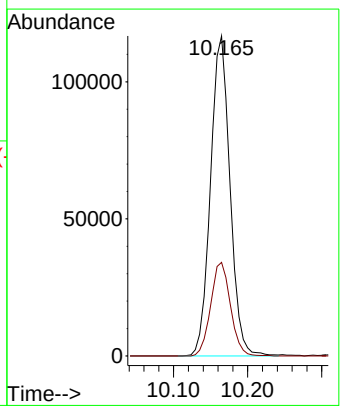


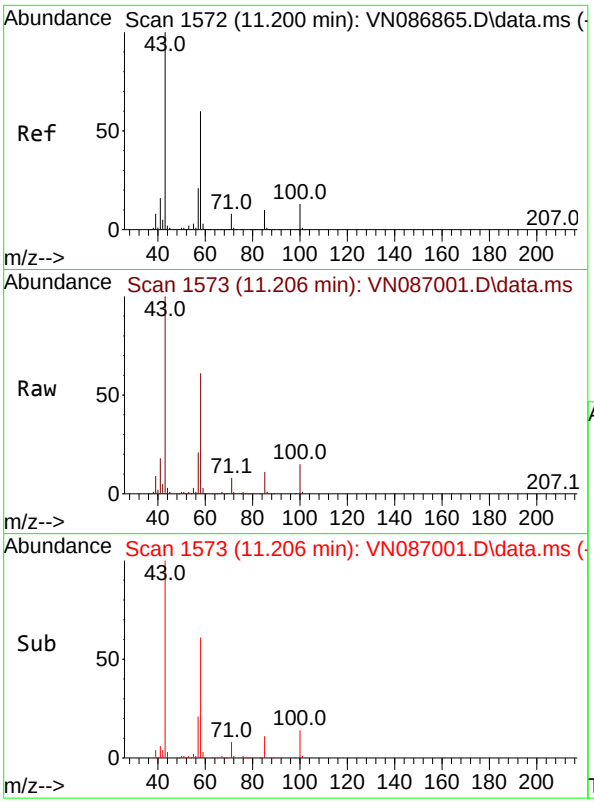


#58
2-Chloroethyl Vinyl ether
Concen: 101.943 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 63 Resp: 213004

Ion	Ratio	Lower	Upper
63	100		
106	29.7	23.0	34.6





#59
2-Hexanone
Concen: 97.085 ug/l
RT: 11.206 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

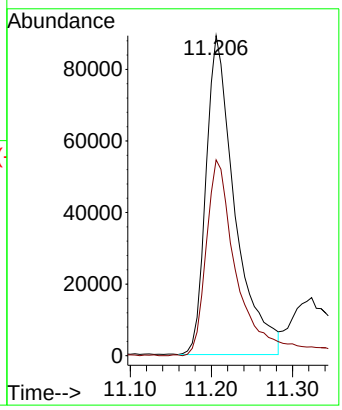
Tgt Ion: 43 Resp: 22001

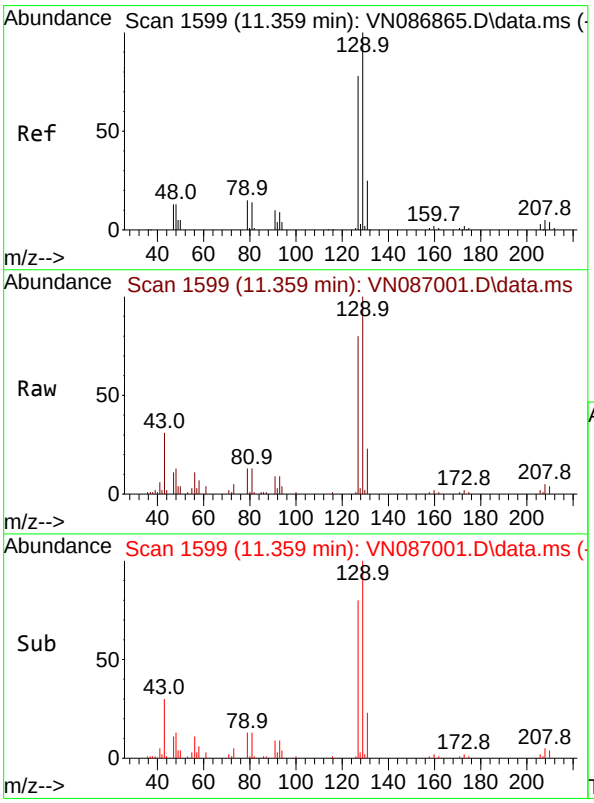
Ion	Ratio	Lower	Upper
43	100		
58	67.1	30.4	91.3

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

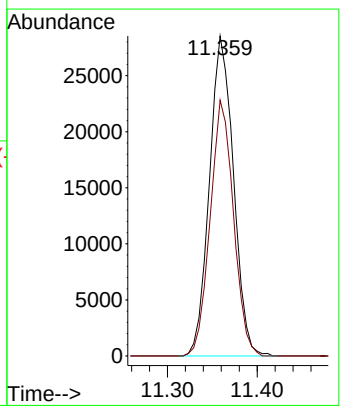


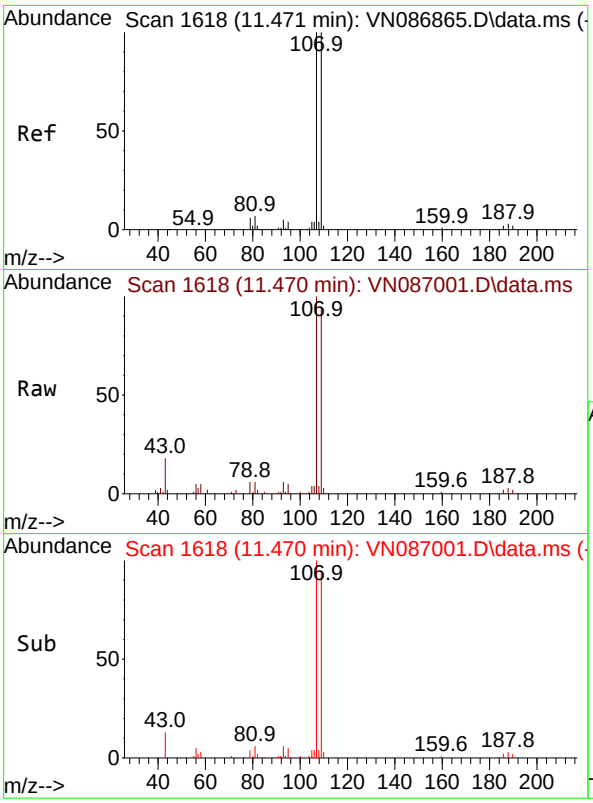


#60
Dibromochloromethane
Concen: 23.160 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:129 Resp: 53072

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.6	115.8





#61
1,2-Dibromoethane
Concen: 22.389 ug/l
RT: 11.470 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

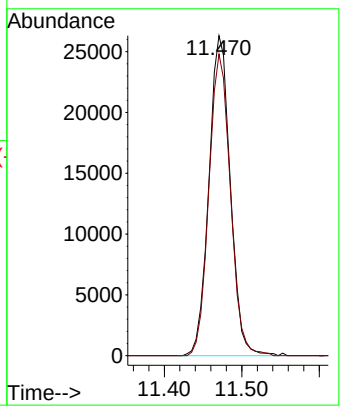
Tgt Ion:107 Resp: 5047

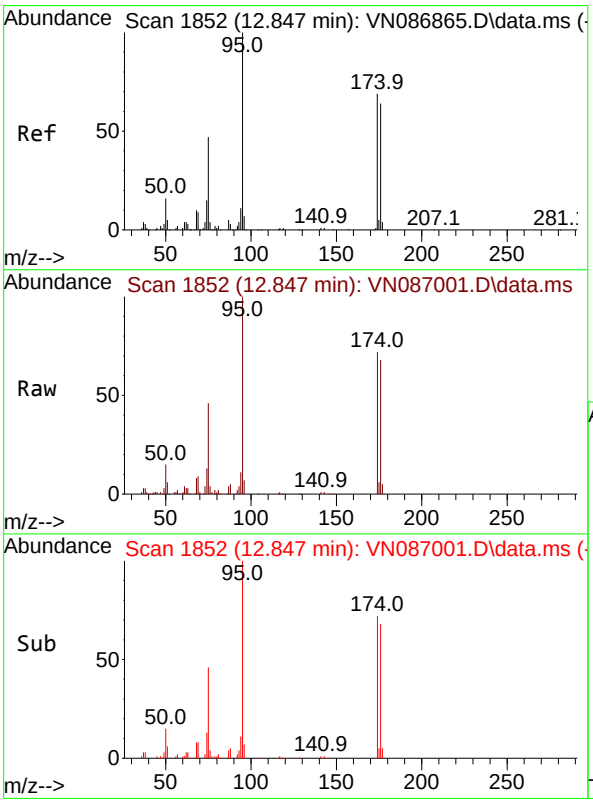
Ion	Ratio	Lower	Upper
107	100		
109	94.6	76.3	114.5

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

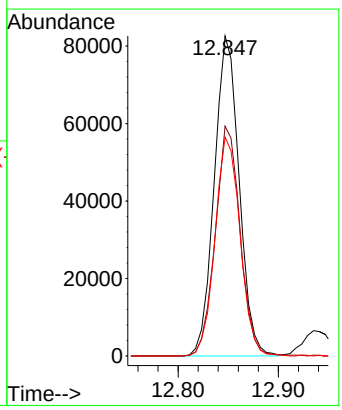


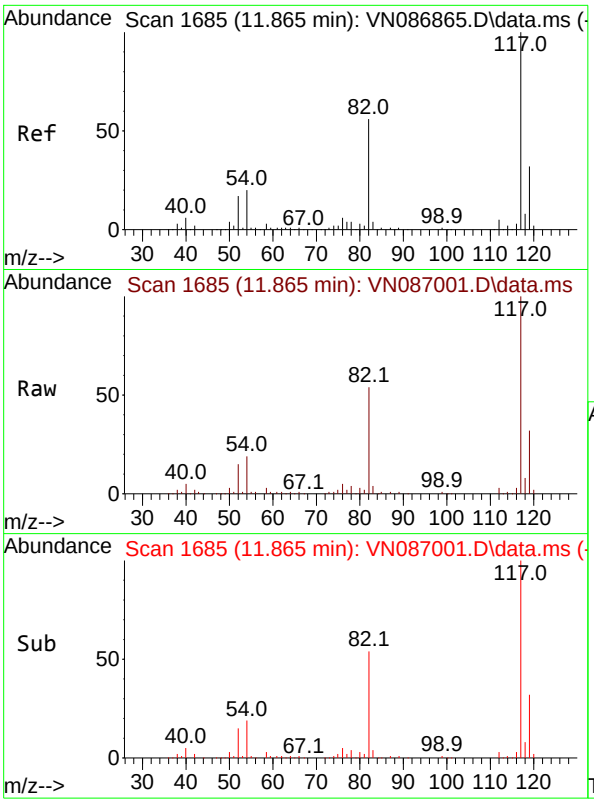


#62
4-Bromofluorobenzene
Concen: 50.331 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 95 Resp: 142094

Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	141.8
176	69.1	0.0	132.6

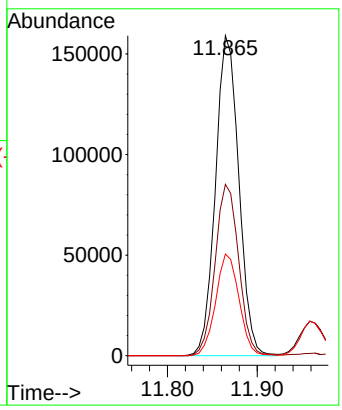




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:117 Resp: 28745

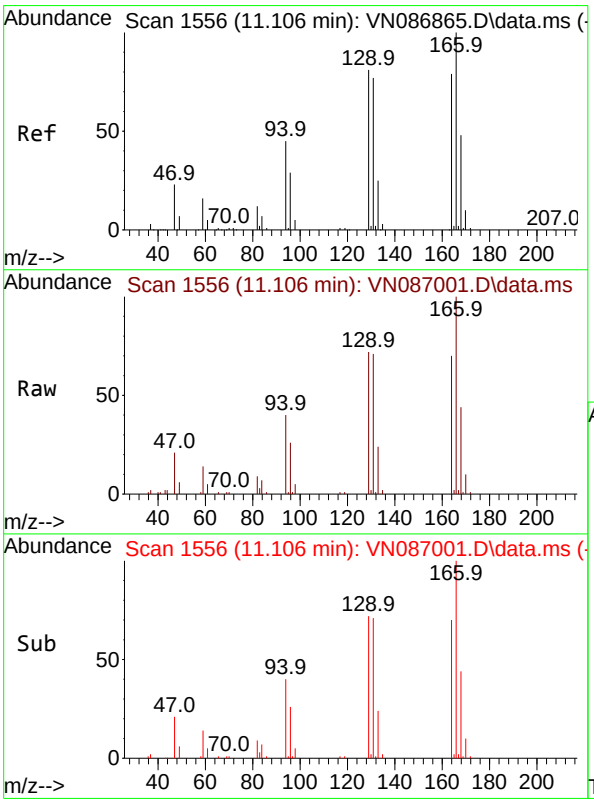
Ion	Ratio	Lower	Upper
117	100		
82	53.6	44.6	67.0
119	31.8	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

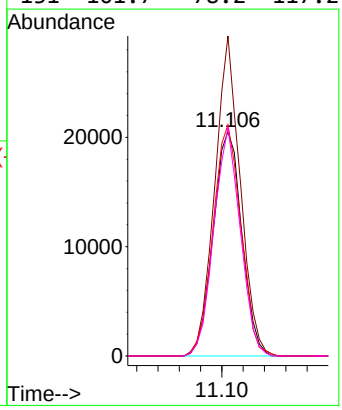
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

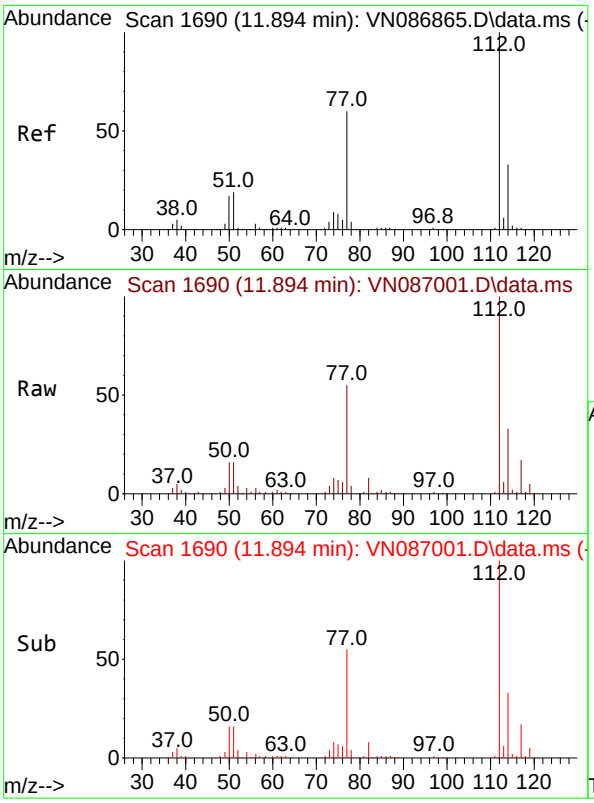


#64
Tetrachloroethene
Concen: 20.953 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:164 Resp: 38118

Ion	Ratio	Lower	Upper
164	100		
166	142.7	101.8	152.8
129	103.1	83.0	124.4
131	101.7	78.2	117.2

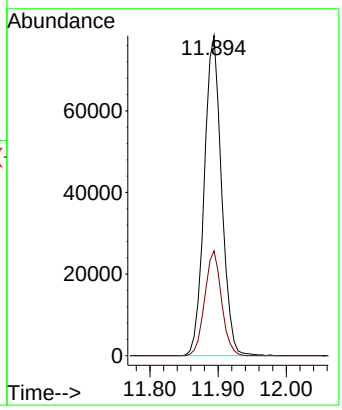




#65
Chlorobenzene
Concen: 21.819 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:112 Resp: 13833

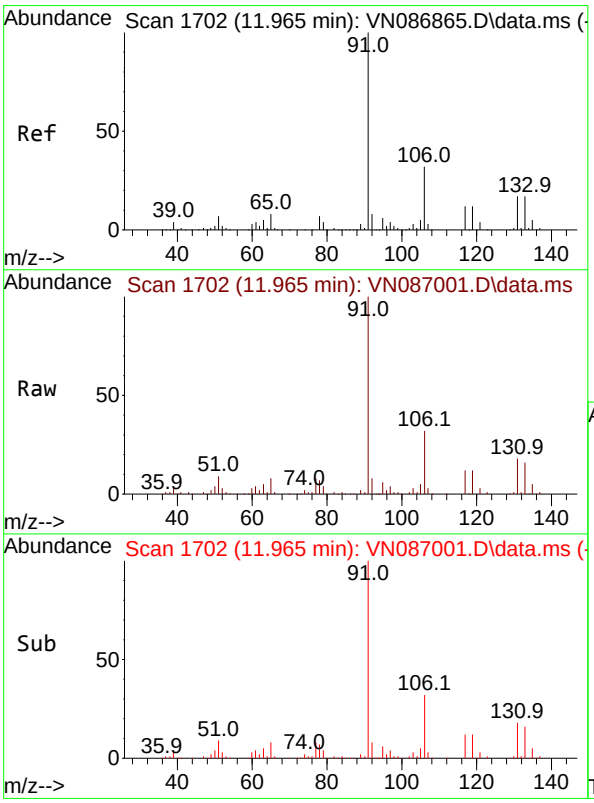
Ion	Ratio	Lower	Upper
112	100		
114	32.8	26.2	39.2



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

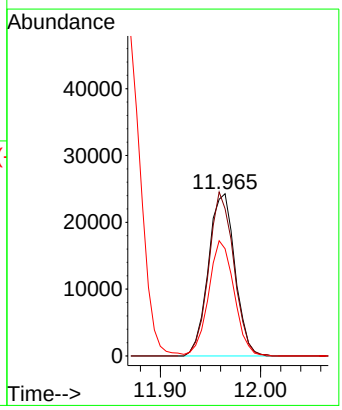
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

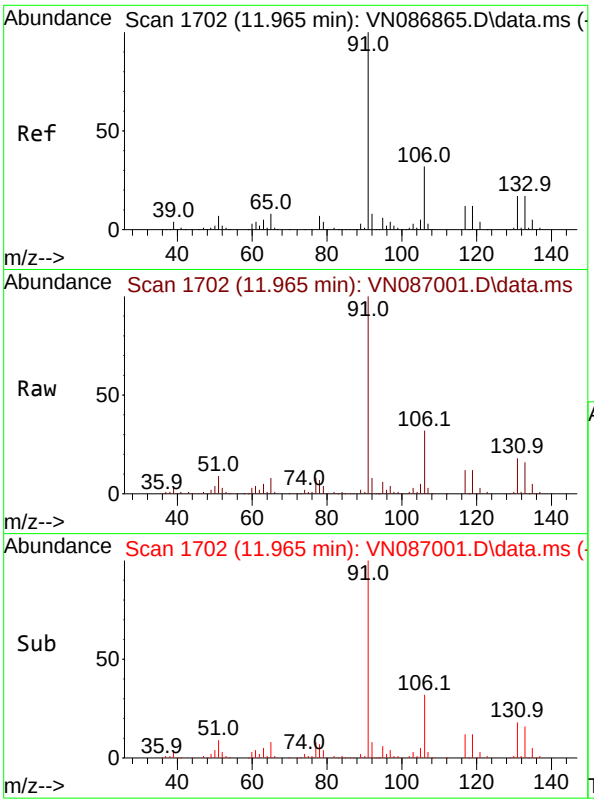


#66
1,1,1,2-Tetrachloroethane
Concen: 22.016 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:131 Resp: 44867

Ion	Ratio	Lower	Upper
131	100		
133	95.4	48.3	144.8
119	68.1	34.0	101.8





#67
Ethyl Benzene
Concen: 21.075 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

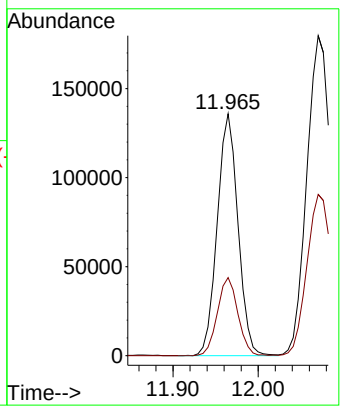
Tgt Ion: 91 Resp: 23014

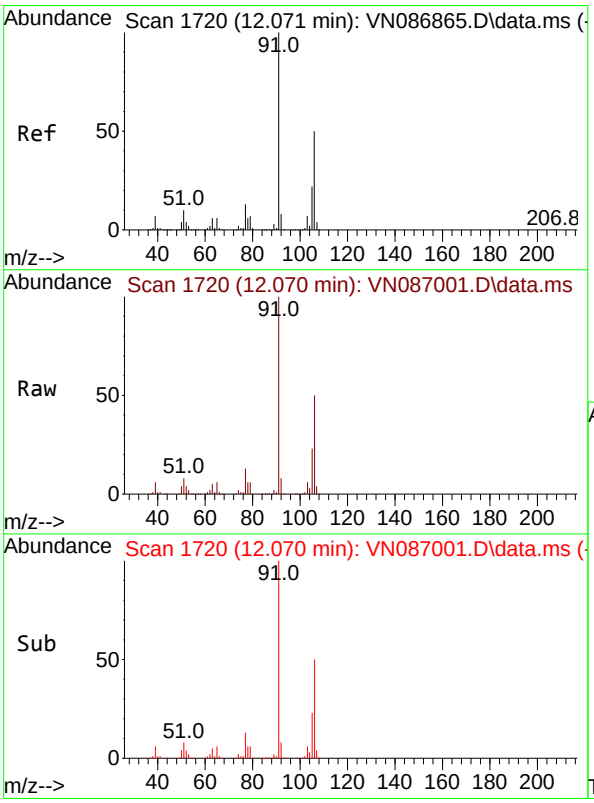
Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.4	38.2

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

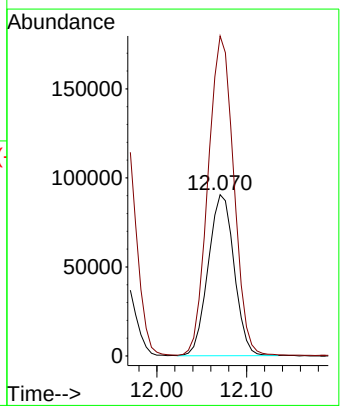


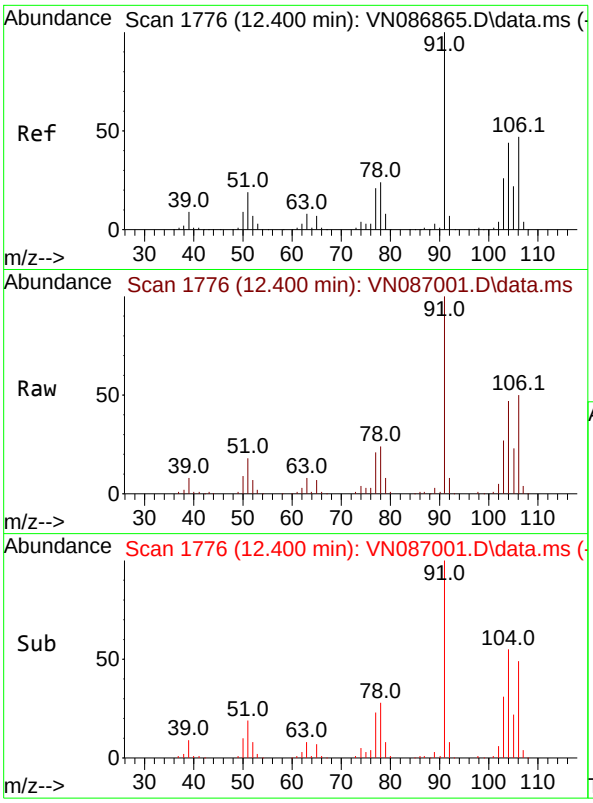


#68
m/p-Xylenes
Concen: 43.378 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:106 Resp: 181334

Ion	Ratio	Lower	Upper
106	100		
91	197.1	159.4	239.0

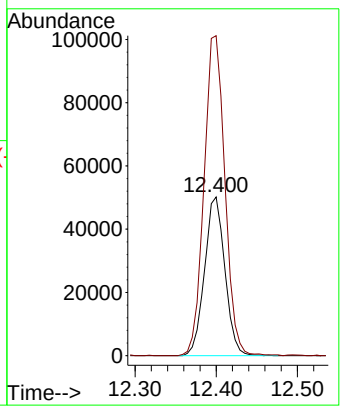




#69
o-Xylene
Concen: 21.772 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:106 Resp: 8716

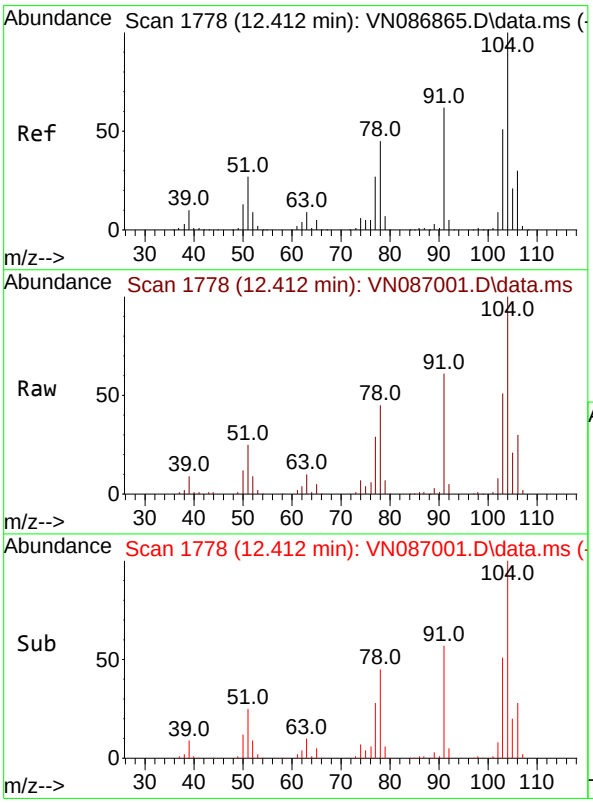
Ion	Ratio	Lower	Upper
106	100		
91	207.4	106.1	318.1



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

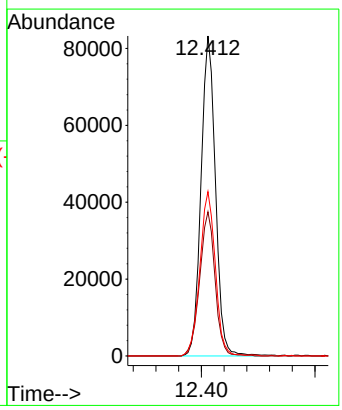
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

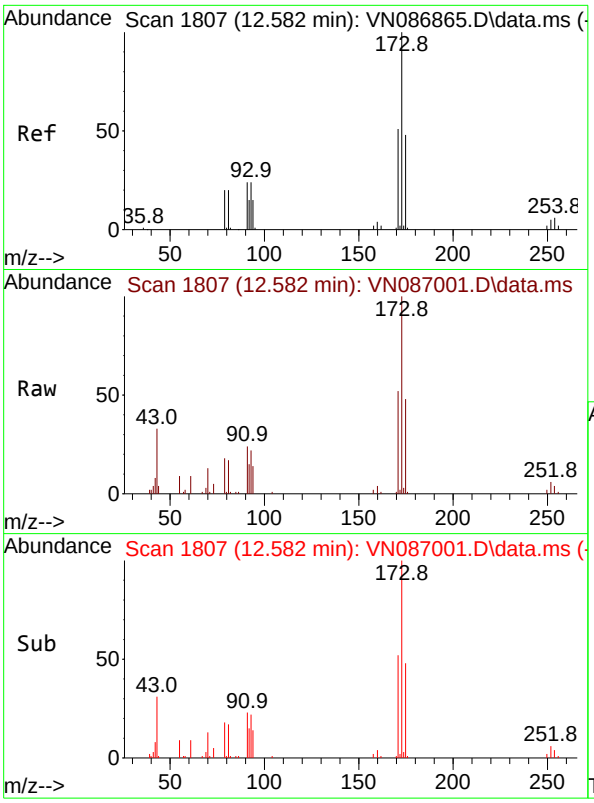


#70
Styrene
Concen: 21.429 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:104 Resp: 146813

Ion	Ratio	Lower	Upper
104	100		
78	47.9	38.5	57.7
103	54.9	43.1	64.7

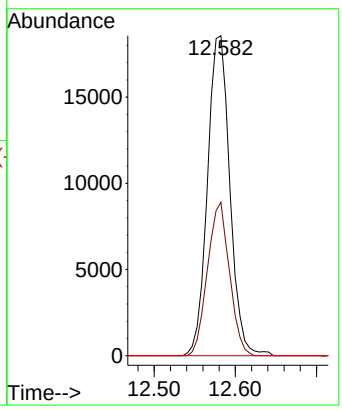




#71
Bromoform
Concen: 23.552 ug/l
RT: 12.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:173 Resp: 3556

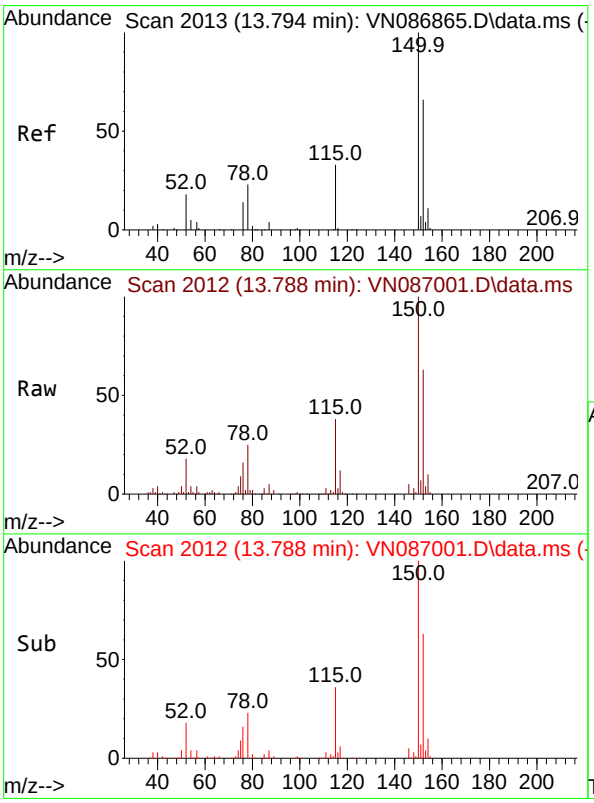
Ion	Ratio	Lower	Upper
173	100		
175	47.0	24.1	72.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

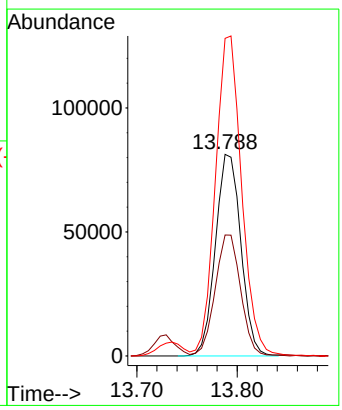
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

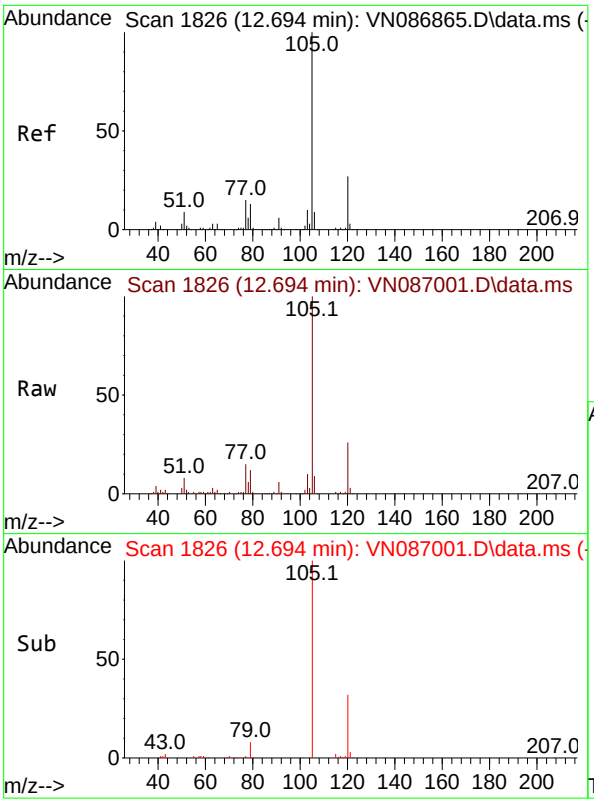


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:152 Resp: 143189

Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.1	90.5
150	163.9	0.0	345.0





#73
Isopropylbenzene
Concen: 20.440 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

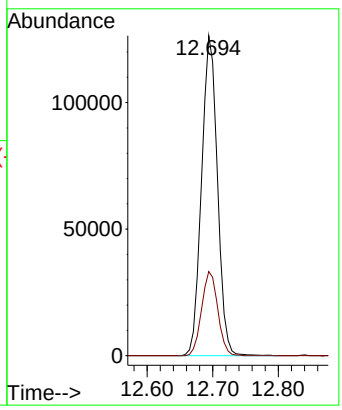
Tgt Ion:105 Resp: 21322

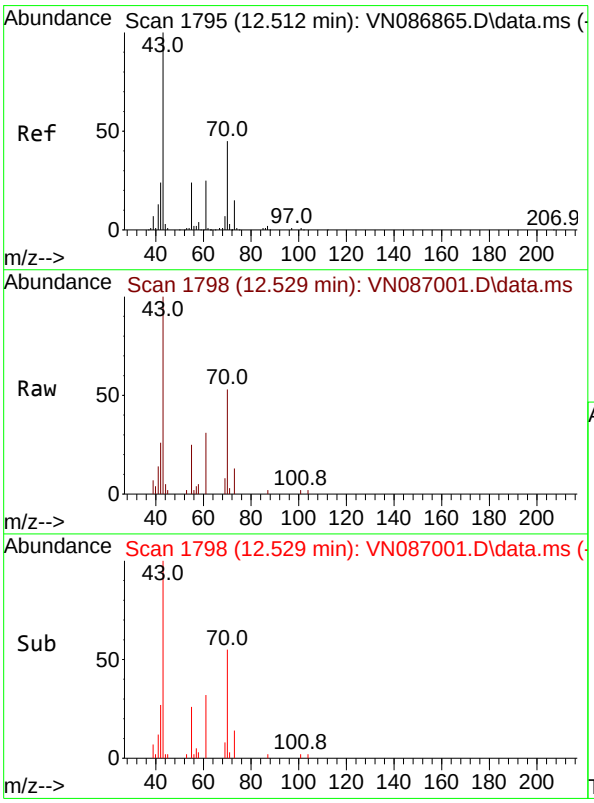
Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.5	40.4

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

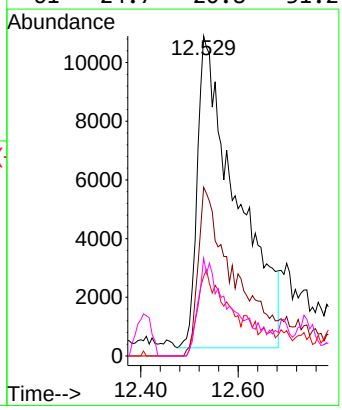


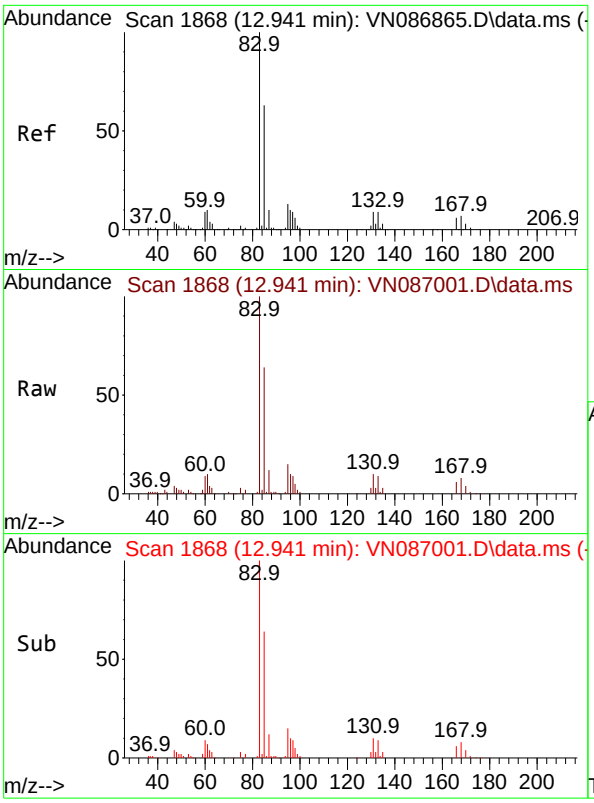


#74
N-amyl acetate
Concen: 16.267 ug/l
RT: 12.529 min Scan# 1798
Delta R.T. 0.017 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 43 Resp: 59296

Ion	Ratio	Lower	Upper
43	100		
70	41.6	37.6	56.4
55	19.9	19.0	28.6
61	24.7	20.8	31.2





#75
1,1,2,2-Tetrachloroethane
Concen: 22.222 ug/l
RT: 12.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

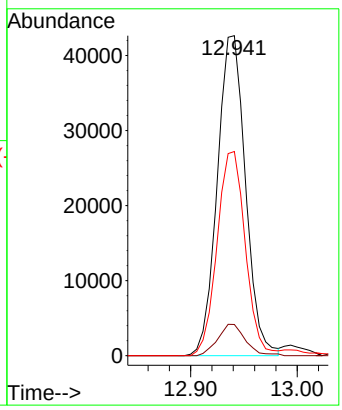
Tgt Ion: 83 Resp: 7853

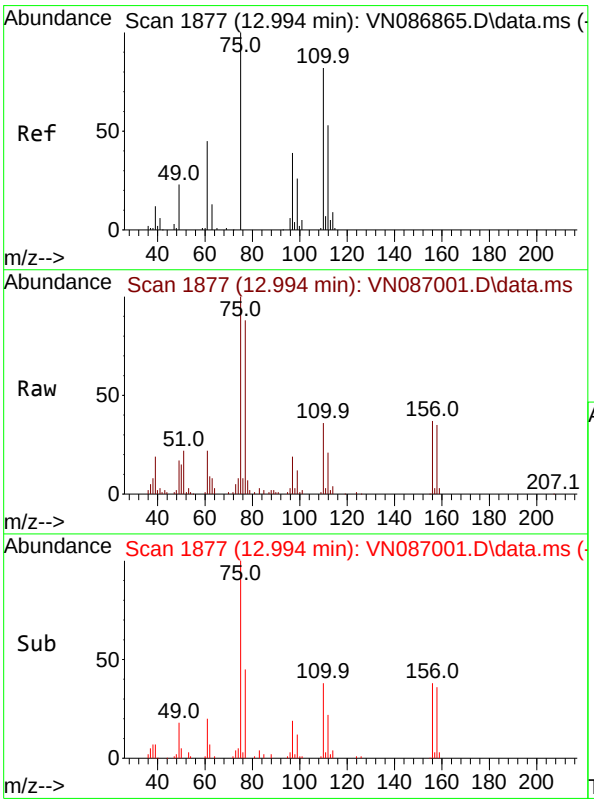
Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.9	14.7
85	63.8	32.0	96.0

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

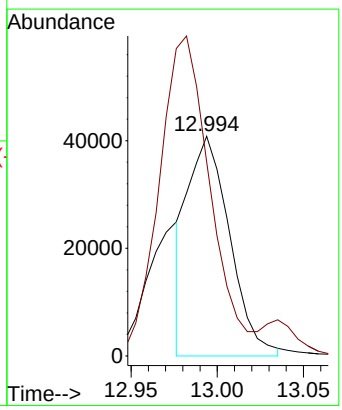


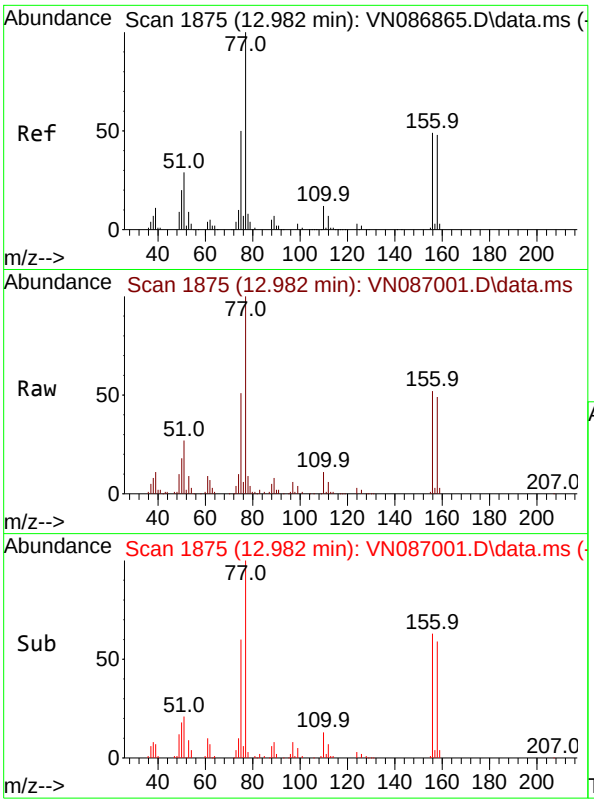


#76
1,2,3-Trichloropropane
Concen: 20.318 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 75 Resp: 69154

Ion	Ratio	Lower	Upper
75	100		
77	175.5	79.3	237.9

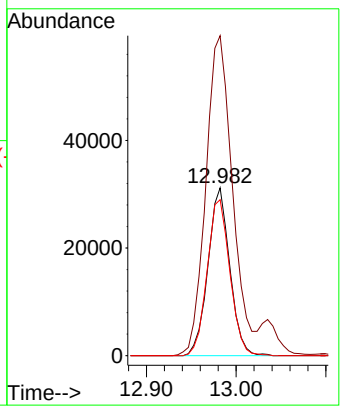




#77
Bromobenzene
Concen: 22.007 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:156 Resp: 5264

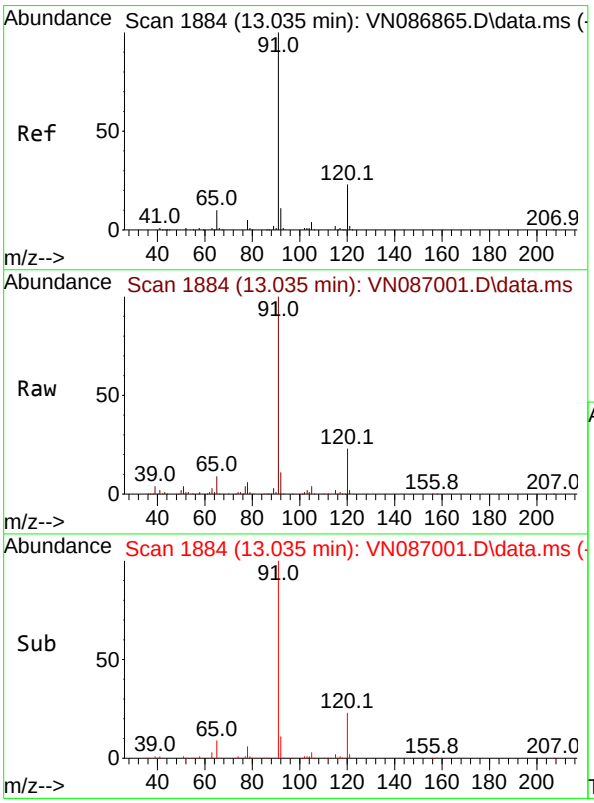
Ion	Ratio	Lower	Upper
156	100		
77	230.6	117.7	353.1
158	96.7	48.1	144.4



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

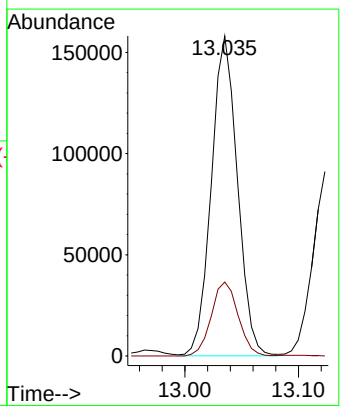
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

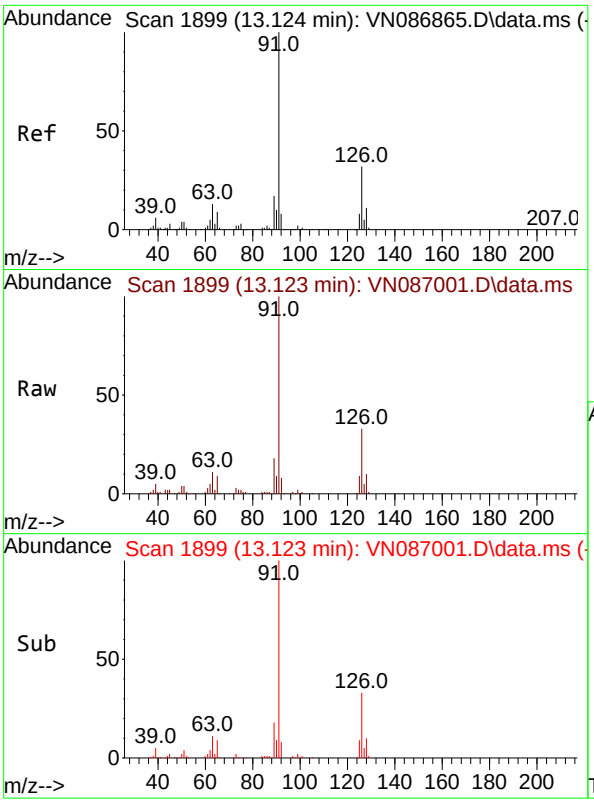


#78
n-propylbenzene
Concen: 19.917 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 91 Resp: 252489

Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.4	34.2

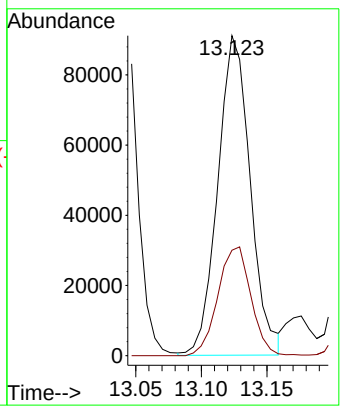




#79
2-Chlorotoluene
Concen: 20.646 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 91 Resp: 15696

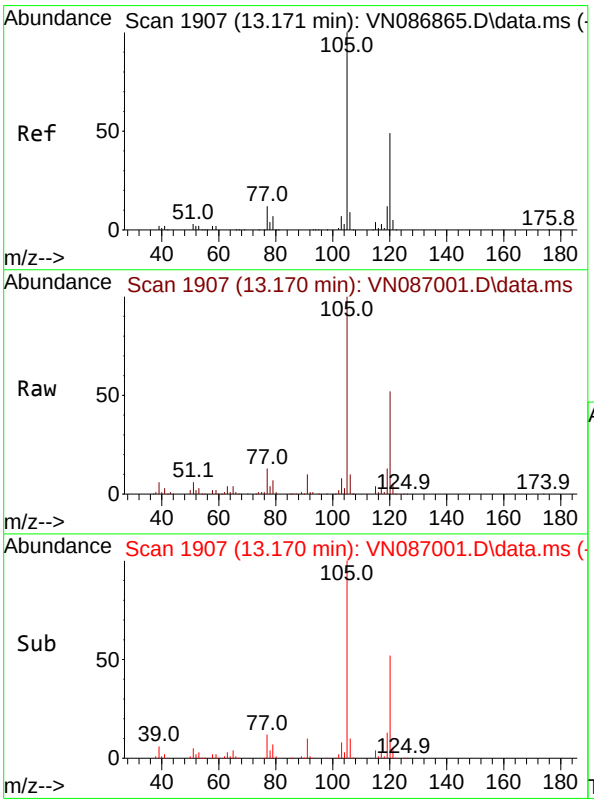
Ion	Ratio	Lower	Upper
91	100		
126	34.6	16.2	48.5



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

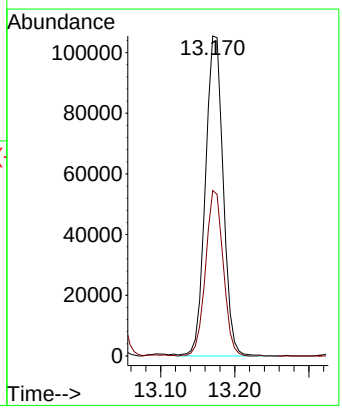
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

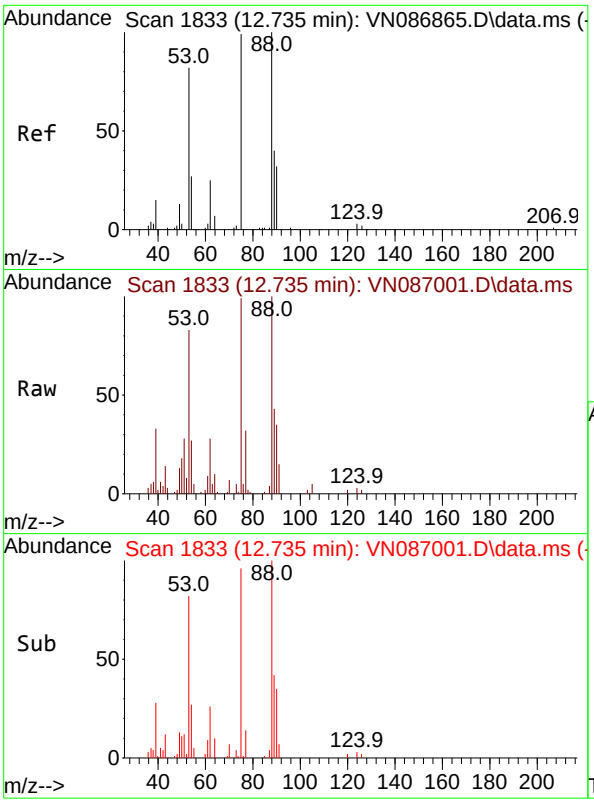


#80
1,3,5-Trimethylbenzene
Concen: 20.375 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:105 Resp: 175480

Ion	Ratio	Lower	Upper
105	100		
120	51.5	24.9	74.6

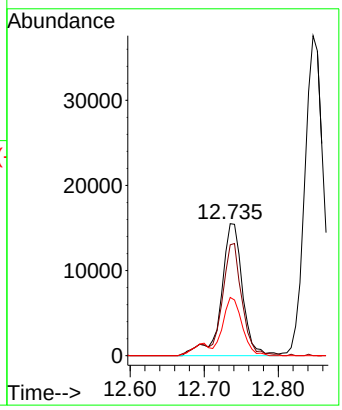




#81
trans-1,4-Dichloro-2-butene
Concen: 20.850 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 75 Resp: 3082

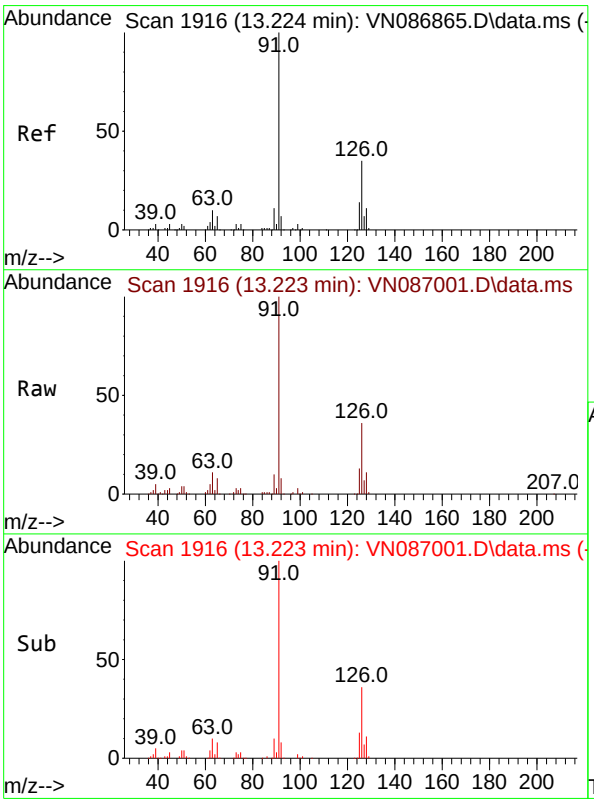
Ion	Ratio	Lower	Upper
75	100		
53	83.3	66.6	99.8
89	39.6	36.7	55.1



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

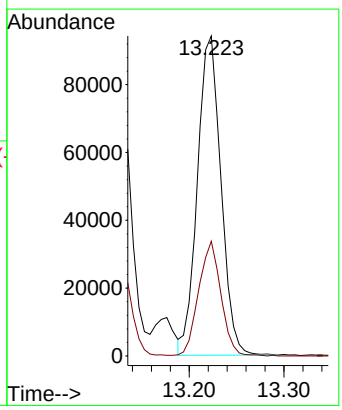
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

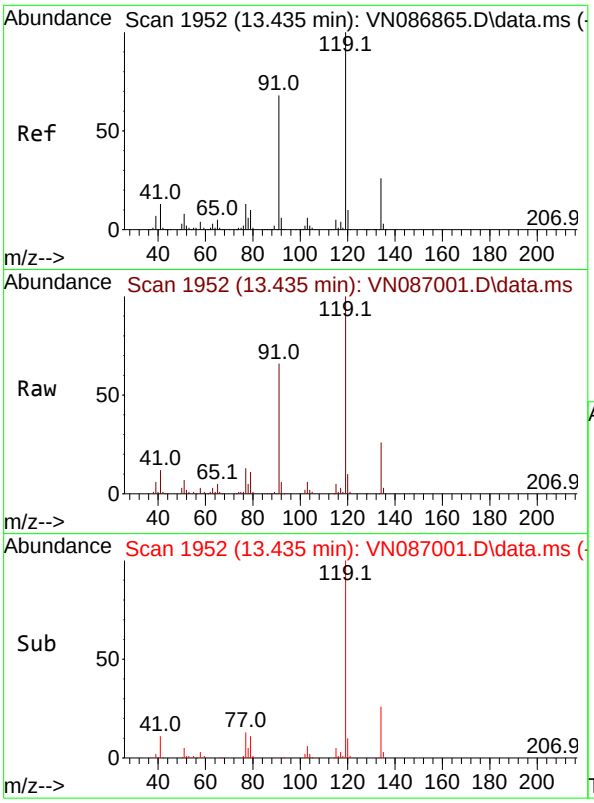


#82
4-Chlorotoluene
Concen: 21.111 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 91 Resp: 162398

Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.7	50.1

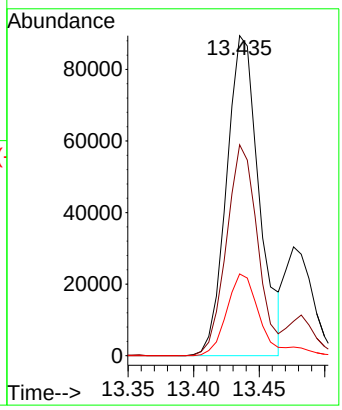




#83
tert-Butylbenzene
Concen: 19.618 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:119 Resp: 15465

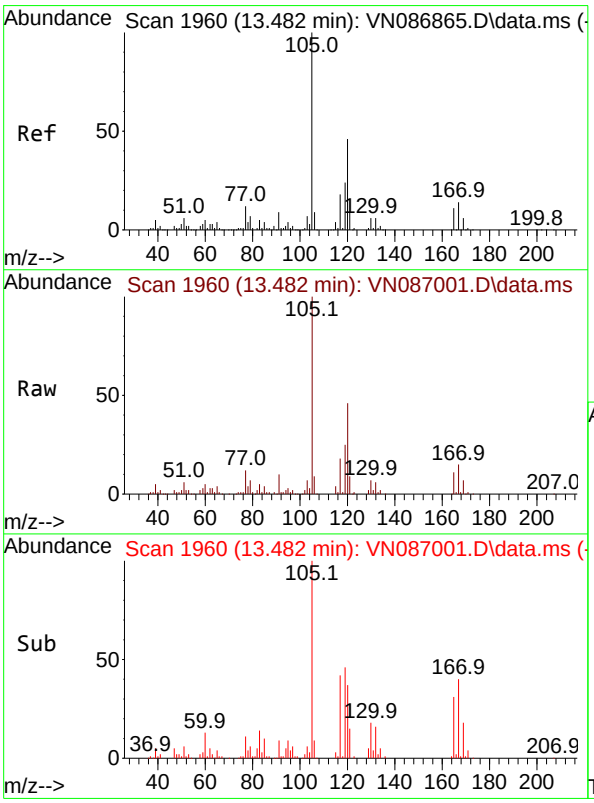
Ion	Ratio	Lower	Upper
119	100		
91	63.2	32.1	96.5
134	26.8	13.4	40.1



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

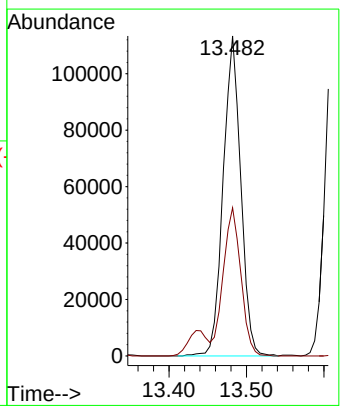
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

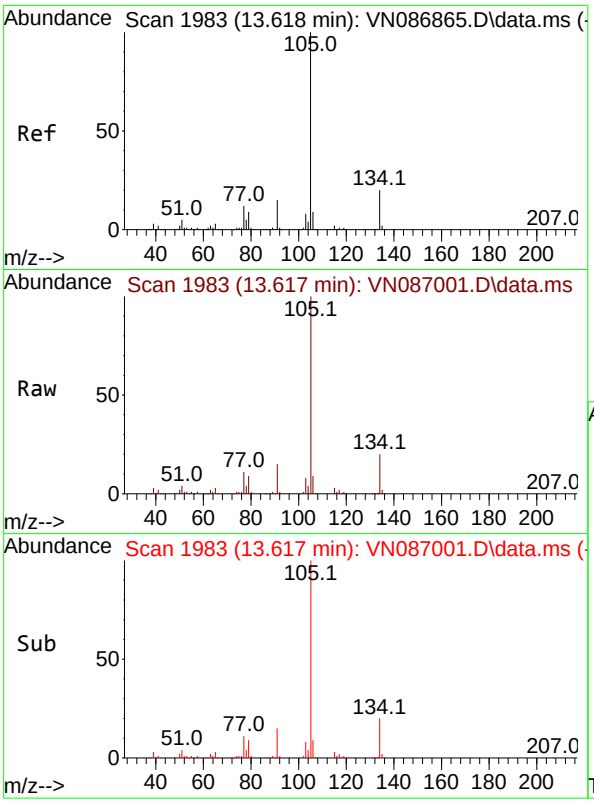


#84
1,2,4-Trimethylbenzene
Concen: 20.782 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:105 Resp: 179474

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.2	69.6





#85
sec-Butylbenzene
Concen: 18.932 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

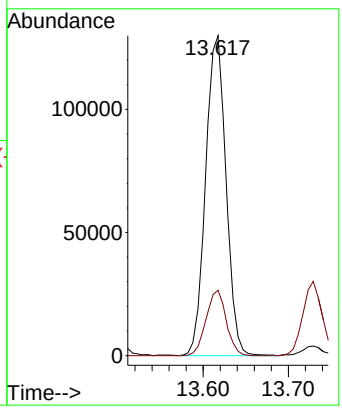
Tgt Ion:105 Resp: 21674

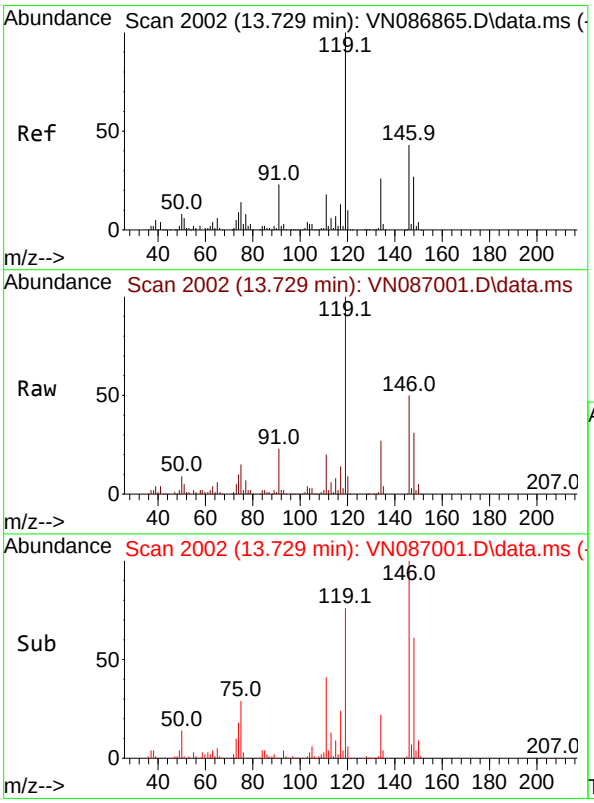
Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

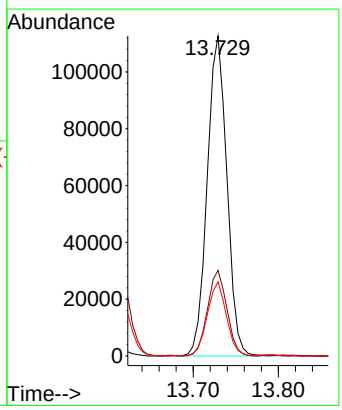


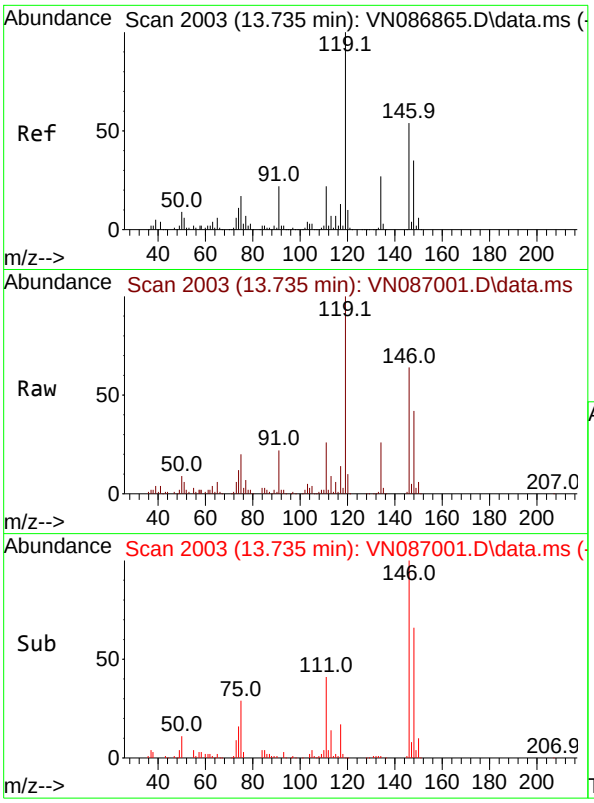


#86
p-Isopropyltoluene
Concen: 19.098 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:119 Resp: 180744

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.5	40.4
91	22.6	11.5	34.4





#87
1,3-Dichlorobenzene
Concen: 21.409 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

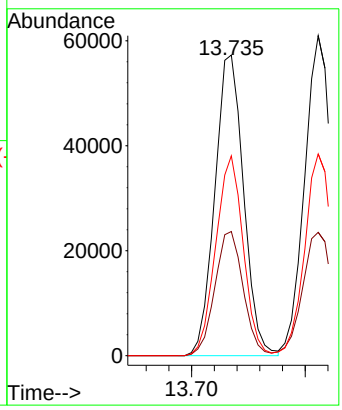
Tgt Ion:146 Resp: 10076

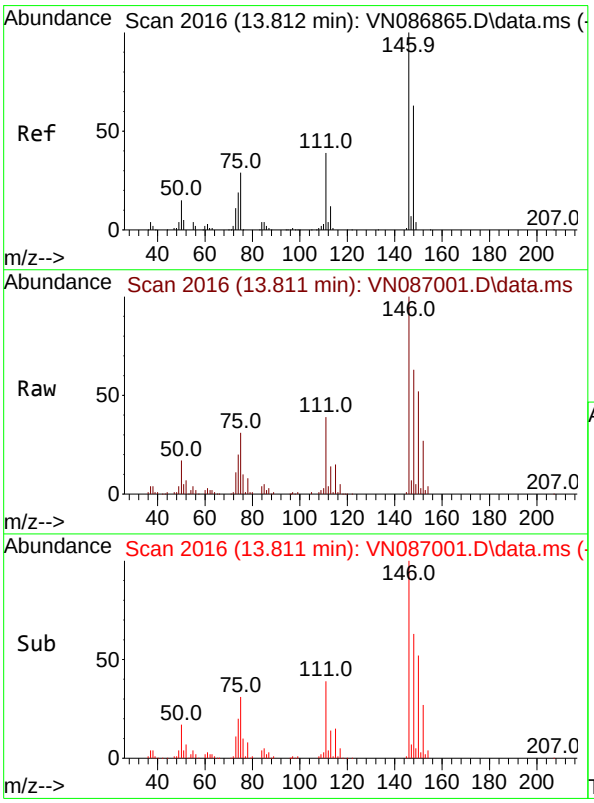
Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.9	62.8
148	63.4	32.0	96.2

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

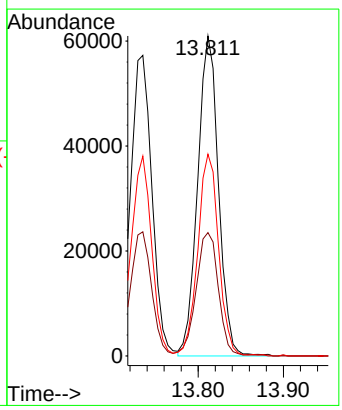


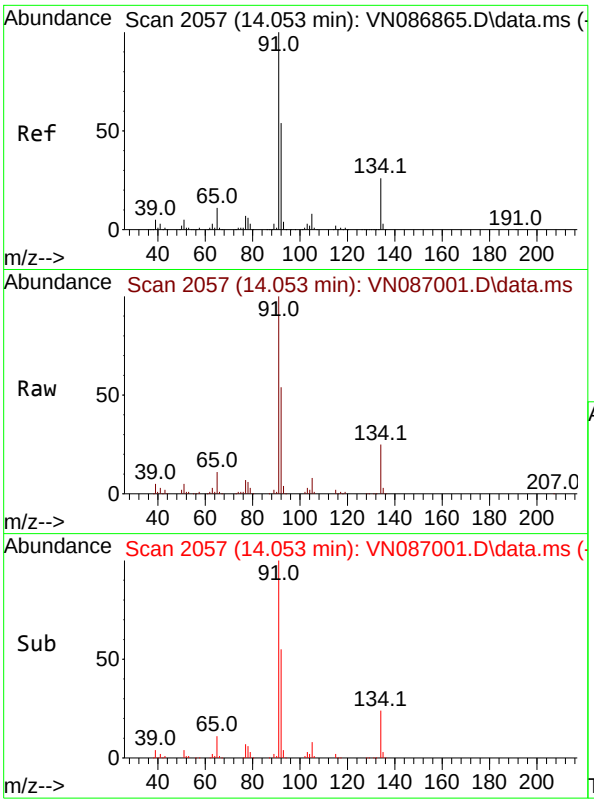


#88
1,4-Dichlorobenzene
Concen: 21.597 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:146 Resp: 103638

Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.9	59.7
148	62.3	31.8	95.4





#89
n-Butylbenzene
Concen: 18.223 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

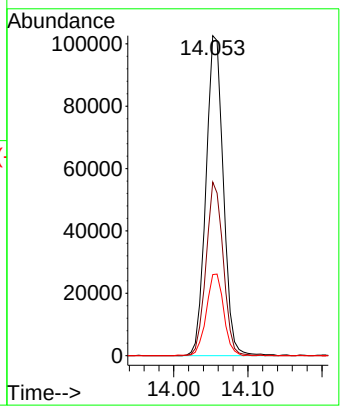
Tgt Ion: 91 Resp: 16704

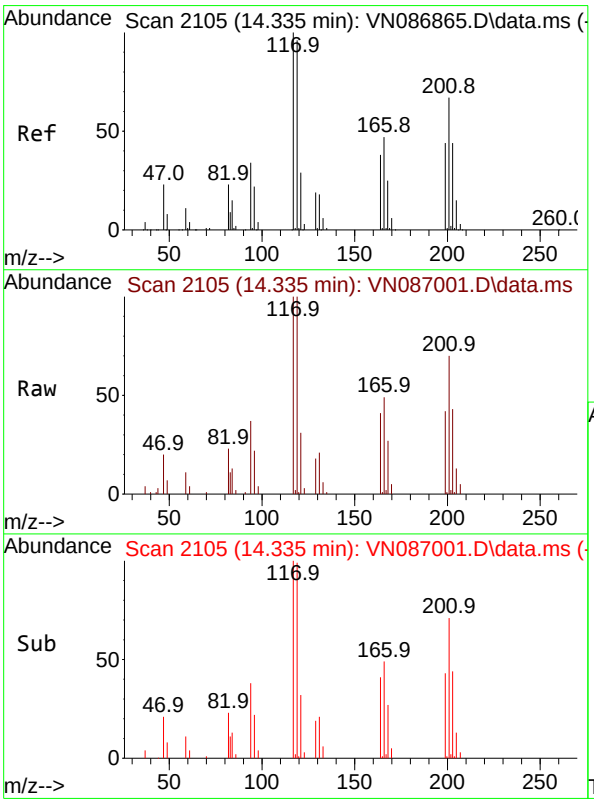
Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.5	82.4
134	25.7	13.0	39.0

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

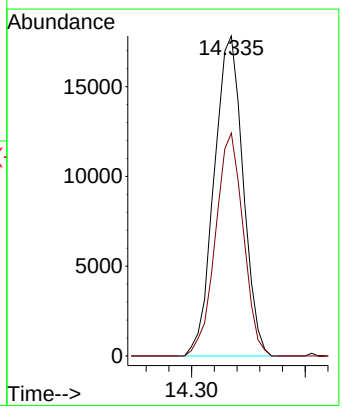


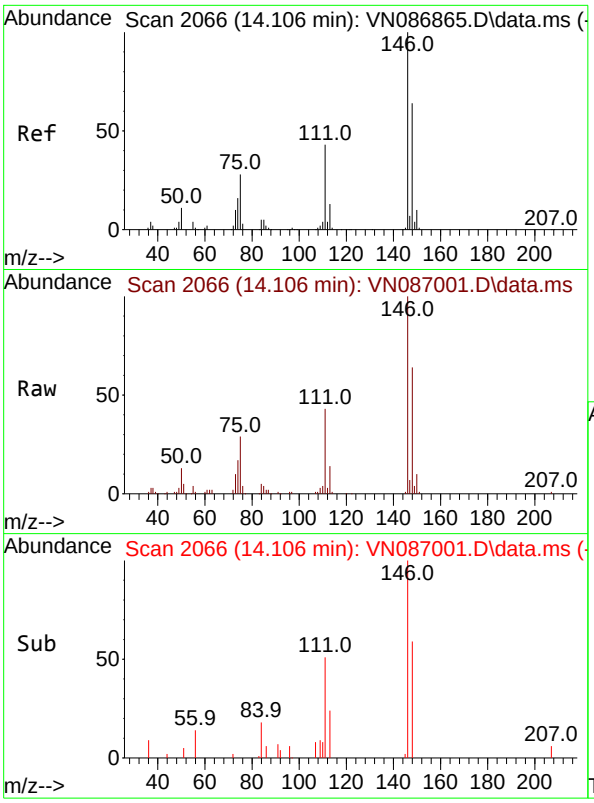


#90
Hexachloroethane
Concen: 19.646 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:117 Resp: 31515

Ion	Ratio	Lower	Upper
117	100		
201	67.0	33.2	99.6

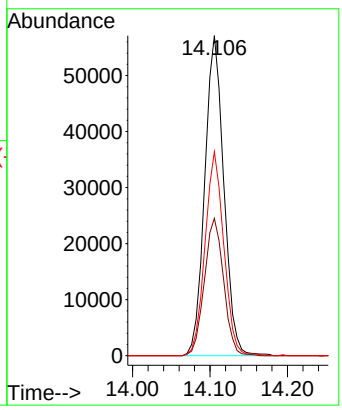




#91
1,2-Dichlorobenzene
Concen: 21.596 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:146 Resp: 9765

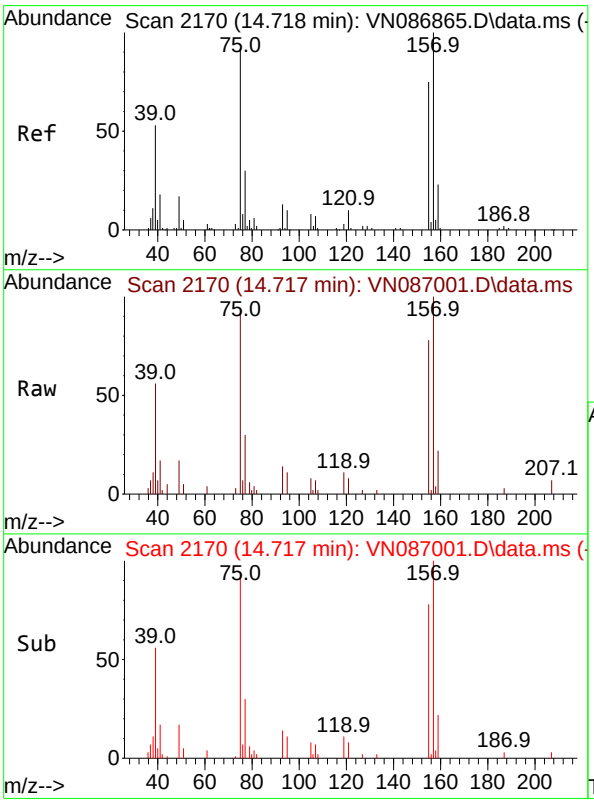
Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	64.6
148	62.9	31.7	95.1



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

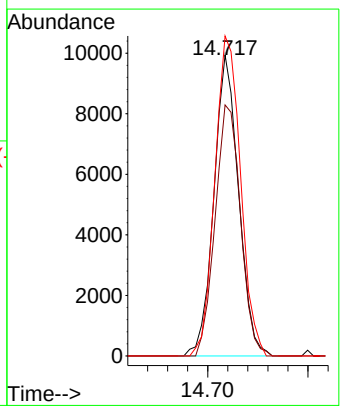
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

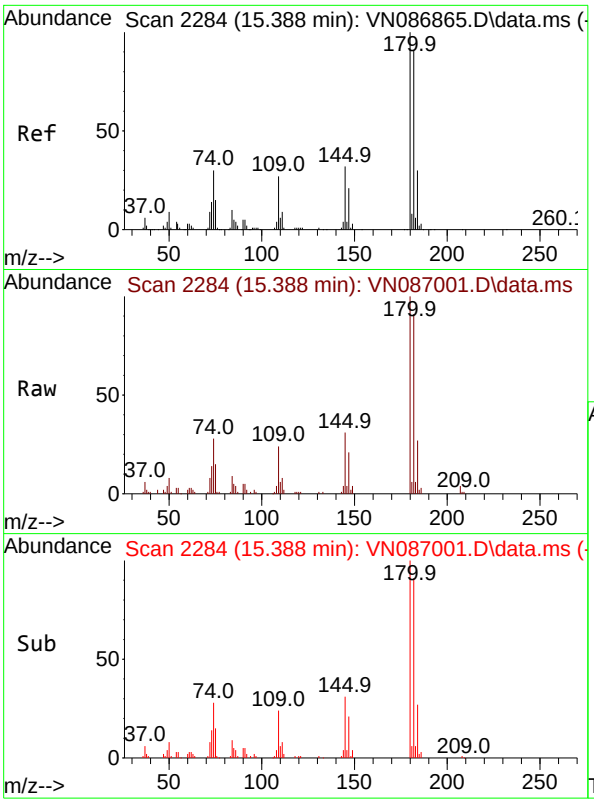


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.109 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 75 Resp: 16995

Ion	Ratio	Lower	Upper
75	100		
155	85.8	41.1	123.4
157	110.6	52.7	158.1

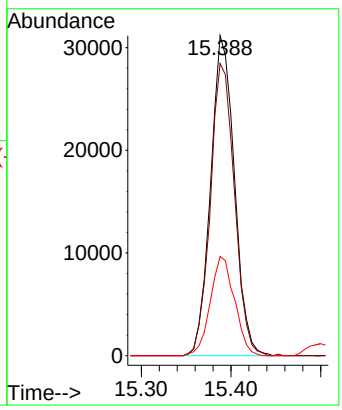




#93
1,2,4-Trichlorobenzene
Concen: 19.852 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:180 Resp: 5732

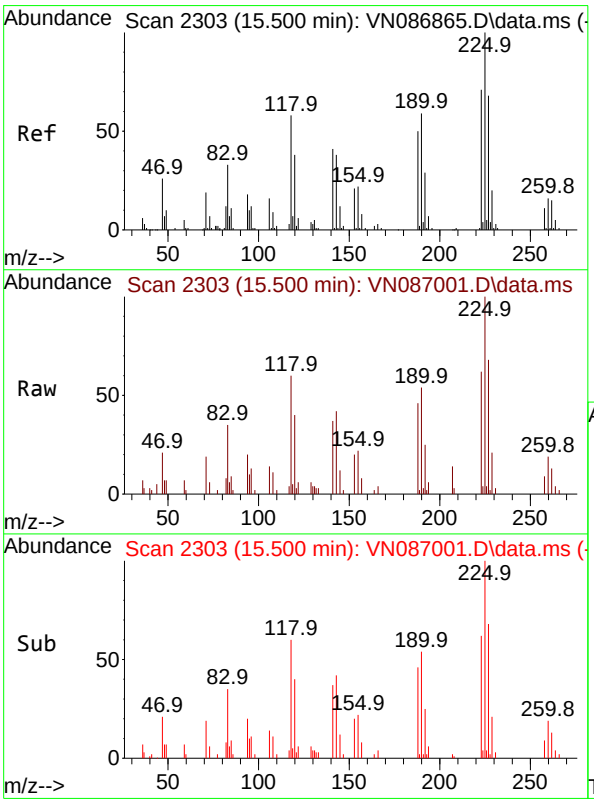
Ion	Ratio	Lower	Upper
180	100		
182	92.5	46.9	140.7
145	31.6	16.0	47.9



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

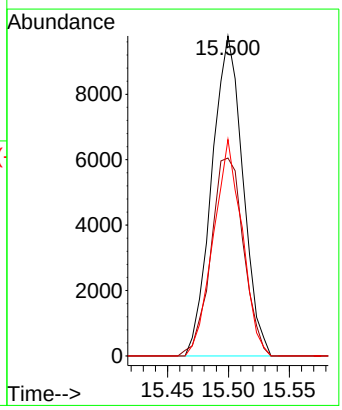
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

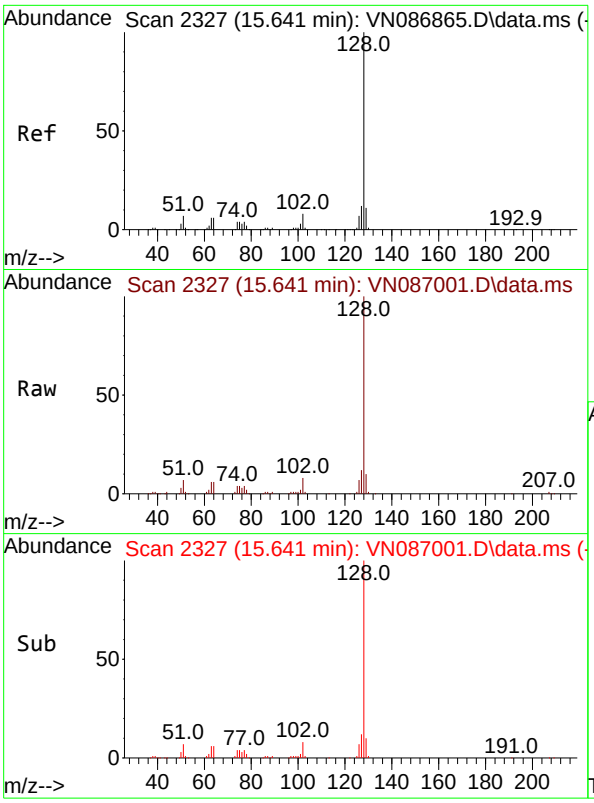


#94
Hexachlorobutadiene
Concen: 16.178 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:225 Resp: 17405

Ion	Ratio	Lower	Upper
225	100		
223	64.9	33.5	100.4
227	62.8	31.1	93.5

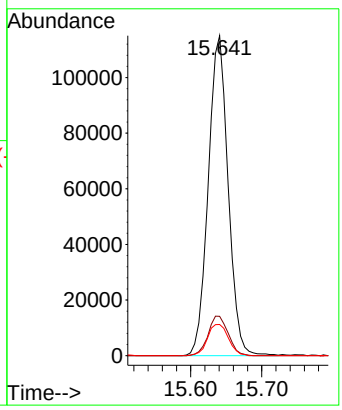




#95
Naphthalene
Concen: 20.779 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:128 Resp: 22333

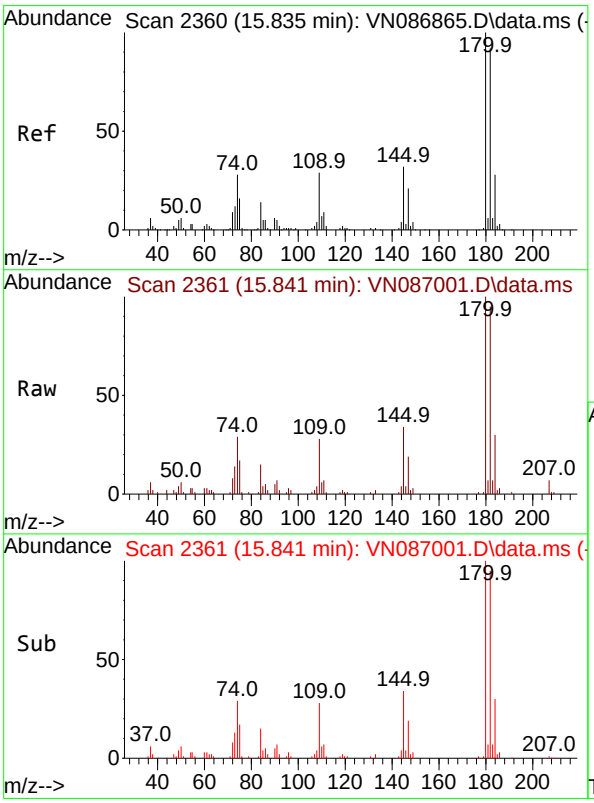
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.3	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Manual Integrations
APPROVED

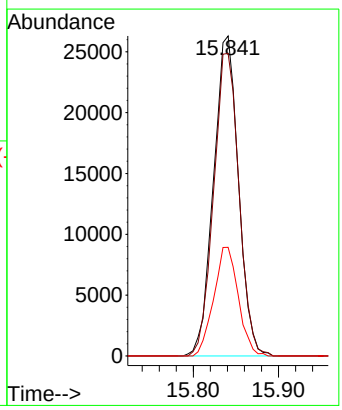
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.653 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:180 Resp: 53514

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.0	141.0
145	33.5	16.6	49.8



Raw Data: **VY022698.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VY0616SBSD01	SDG No.:	Q2314
Lab Sample ID:	VY0616SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022698.D	1		06/16/25 10:34	VY061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
74-87-3	Chloromethane	25.0		1.10	2.50	5.00	ug/Kg
75-01-4	Vinyl Chloride	25.2		0.79	2.50	5.00	ug/Kg
74-83-9	Bromomethane	26.7		1.10	4.00	5.00	ug/Kg
75-00-3	Chloroethane	26.8		1.30	2.50	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	25.7		1.20	4.00	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	23.0		1.10	2.50	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	22.2		1.00	2.50	5.00	ug/Kg
67-64-1	Acetone	130		4.70	20.0	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.4		1.10	4.00	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	22.3		0.73	2.50	5.00	ug/Kg
75-09-2	Methylene Chloride	24.8		3.50	8.00	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	22.5		0.86	2.50	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	23.3		0.80	2.50	5.00	ug/Kg
78-93-3	2-Butanone	120		6.50	20.0	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.6		0.97	2.50	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	22.9		0.75	2.50	5.00	ug/Kg
67-66-3	Chloroform	23.6		0.84	4.00	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	22.9		0.93	2.50	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.7		0.91	2.50	5.00	ug/Kg
71-43-2	Benzene	22.7		0.79	2.50	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	22.7		0.79	2.50	5.00	ug/Kg
79-01-6	Trichloroethene	23.4		0.81	2.50	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	23.5		0.91	2.50	5.00	ug/Kg
75-27-4	Bromodichloromethane	22.8		0.78	2.50	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	12.5	25.0	ug/Kg
108-88-3	Toluene	22.2		0.78	2.50	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	22.1		0.65	2.50	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	22.3		0.62	2.50	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	22.9		0.92	2.50	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	12.5	25.0	ug/Kg

Raw Data: **VY022698.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VY0616SBSD01	SDG No.:	Q2314
Lab Sample ID:	VY0616SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022698.D	1		06/16/25 10:34	VY061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
124-48-1	Dibromochloromethane	22.4		0.87	2.50	5.00	ug/Kg
127-18-4	Tetrachloroethene	25.2		1.10	2.50	5.00	ug/Kg
108-90-7	Chlorobenzene	22.3		0.91	2.50	5.00	ug/Kg
100-41-4	Ethyl Benzene	21.5		0.67	2.50	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.7		1.20	5.00	10.0	ug/Kg
95-47-6	o-Xylene	21.3		0.82	2.50	5.00	ug/Kg
100-42-5	Styrene	21.3		0.71	2.50	5.00	ug/Kg
75-25-2	Bromoform	21.4		0.86	2.50	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.4		0.78	2.50	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.4		1.20	2.50	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.4		1.70	2.50	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.8		1.60	2.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	22.2		1.50	2.50	5.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.3		71 - 136		111%	SPK: 50
1868-53-7	Dibromofluoromethane	54.4		78 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	54.1		85 - 116		108%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7		79 - 119		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	154000	7.707				
540-36-3	1,4-Difluorobenzene	264000	8.616				
3114-55-4	Chlorobenzene-d5	226000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	104000	13.346				

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\VY061625\
Data File : VY022698.D
Acq On : 16 Jun 2025 10:34
Operator : SY/MD
Sample : VY0616SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 17 05:51:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	154209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	264302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	225807	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	103858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	95407	55.317	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.640%			
35) Dibromofluoromethane	7.640	113	85878	54.437	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.880%			
50) Toluene-d8	10.109	98	345045	54.130	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.260%			
62) 4-Bromofluorobenzene	12.401	95	100147	52.730	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	31407	22.748	ug/l	96
3) Chloromethane	2.068	50	101918	24.988	ug/l	96
4) Vinyl Chloride	2.202	62	119451	25.245	ug/l	97
5) Bromomethane	2.592	94	121157	26.715	ug/l	97
6) Chloroethane	2.732	64	87028	26.797	ug/l #	88
7) Trichlorofluoromethane	3.050	101	103365	25.733	ug/l	96
8) Diethyl Ether	3.458	74	19721	21.801	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	38935	23.014	ug/l	100
10) Methyl Iodide	4.007	142	37605	20.540	ug/l	98
11) Tert butyl alcohol	4.885	59	14063	114.160	ug/l	96
12) 1,1-Dichloroethene	3.793	96	35860	22.175	ug/l	95
13) Acrolein	3.653	56	11138	72.550	ug/l	99
14) Allyl chloride	4.385	41	54687	21.541	ug/l	97
15) Acrylonitrile	5.061	53	43330	113.099	ug/l	99
16) Acetone	3.879	43	45244	129.169	ug/l	96
17) Carbon Disulfide	4.104	76	110639	21.370	ug/l	98
18) Methyl Acetate	4.397	43	23060	22.232	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	101505	22.285	ug/l	97
20) Methylene Chloride	4.616	84	49311	24.784	ug/l	94
21) trans-1,2-Dichloroethene	5.122	96	40807	22.547	ug/l	93
22) Diisopropyl ether	6.018	45	127285	22.525	ug/l	95
23) Vinyl Acetate	5.964	43	366903	109.700	ug/l	99
24) 1,1-Dichloroethane	5.915	63	77453	23.266	ug/l	98
25) 2-Butanone	6.896	43	59745	118.250	ug/l	99
26) 2,2-Dichloropropane	6.884	77	67635	22.994	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	47998	22.944	ug/l	98
28) Bromochloromethane	7.244	49	33432	23.038	ug/l	99
29) Tetrahydrofuran	7.268	42	35535	109.047	ug/l	97
30) Chloroform	7.421	83	77944	23.638	ug/l	94
31) Cyclohexane	7.707	56	68987	20.816	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	66910	22.859	ug/l	97
36) 1,1-Dichloropropene	7.835	75	56782	22.177	ug/l	99
37) Ethyl Acetate	6.982	43	25536	22.364	ug/l	99
38) Carbon Tetrachloride	7.817	117	56761	21.610	ug/l	92
39) Methylcyclohexane	9.109	83	71187	20.689	ug/l	98
40) Benzene	8.079	78	171688	22.703	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022698.D
Acq On : 16 Jun 2025 10:34
Operator : SY/MD
Sample : VY0616SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 17 05:51:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	11105	16.651	ug/l	#	54
42) 1,2-Dichloroethane	8.158	62	46956	22.741	ug/l		100
43) Isopropyl Acetate	8.201	43	53371	21.643	ug/l		98
44) Trichloroethene	8.866	130	43256	23.404	ug/l		98
45) 1,2-Dichloropropane	9.140	63	42085	23.548	ug/l		96
46) Dibromomethane	9.231	93	23220	23.094	ug/l		96
47) Bromodichloromethane	9.426	83	58071	22.777	ug/l		98
48) Methyl methacrylate	9.219	41	24684	21.328	ug/l		97
49) 1,4-Dioxane	9.231	88	4747	398.509	ug/l	#	93
51) 4-Methyl-2-Pentanone	9.999	43	133697	108.744	ug/l		97
52) Toluene	10.170	92	105337	22.165	ug/l		97
53) t-1,3-Dichloropropene	10.396	75	52876	22.135	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	61997	22.295	ug/l		95
55) 1,1,2-Trichloroethane	10.573	97	29316	22.865	ug/l		97
56) Ethyl methacrylate	10.438	69	39351	21.236	ug/l		98
57) 1,3-Dichloropropane	10.719	76	50916	22.406	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	94575	112.411	ug/l		97
59) 2-Hexanone	10.762	43	90194	109.691	ug/l		97
60) Dibromochloromethane	10.914	129	36576	22.448	ug/l		98
61) 1,2-Dibromoethane	11.011	107	26098	22.333	ug/l		97
64) Tetrachloroethene	10.646	164	48965	25.208	ug/l		97
65) Chlorobenzene	11.444	112	111400	22.294	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	37335	22.180	ug/l		98
67) Ethyl Benzene	11.517	91	199212	21.495	ug/l		98
68) m/p-Xylenes	11.627	106	149850	42.651	ug/l		98
69) o-Xylene	11.950	106	70142	21.293	ug/l		99
70) Styrene	11.969	104	115987	21.301	ug/l		99
71) Bromoform	12.133	173	19160	21.390	ug/l	#	97
73) Isopropylbenzene	12.255	105	182833	21.442	ug/l		99
74) N-amyl acetate	12.072	43	44410	20.642	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	29912	21.374	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	23159m	19.491	ug/l		
77) Bromobenzene	12.530	156	38728	21.523	ug/l		99
78) n-propylbenzene	12.590	91	227339	21.829	ug/l		100
79) 2-Chlorotoluene	12.676	91	121022	21.925	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	143657	21.460	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	9916	20.154	ug/l		99
82) 4-Chlorotoluene	12.773	91	122042	21.433	ug/l		98
83) tert-Butylbenzene	12.999	119	130334	21.693	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	144066	21.517	ug/l		97
85) sec-Butylbenzene	13.176	105	197997	21.517	ug/l		100
86) p-Isopropyltoluene	13.292	119	159529	21.033	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	78055	21.411	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	76921	21.754	ug/l		98
89) n-Butylbenzene	13.615	91	156296	21.719	ug/l		100
90) Hexachloroethane	13.877	117	33188	22.476	ug/l		96
91) 1,2-Dichlorobenzene	13.657	146	68566	22.152	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	4752	23.322	ug/l		94
93) 1,2,4-Trichlorobenzene	14.919	180	37520	22.226	ug/l		96
94) Hexachlorobutadiene	15.023	225	19759	21.206	ug/l		98
95) Naphthalene	15.139	128	69549	21.469	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	31085	21.486	ug/l		100

Sample Results: **VY022698.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022698.D
Acq On : 16 Jun 2025 10:34
Operator : SY/MD
Sample : VY0616SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 17 05:51:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

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

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

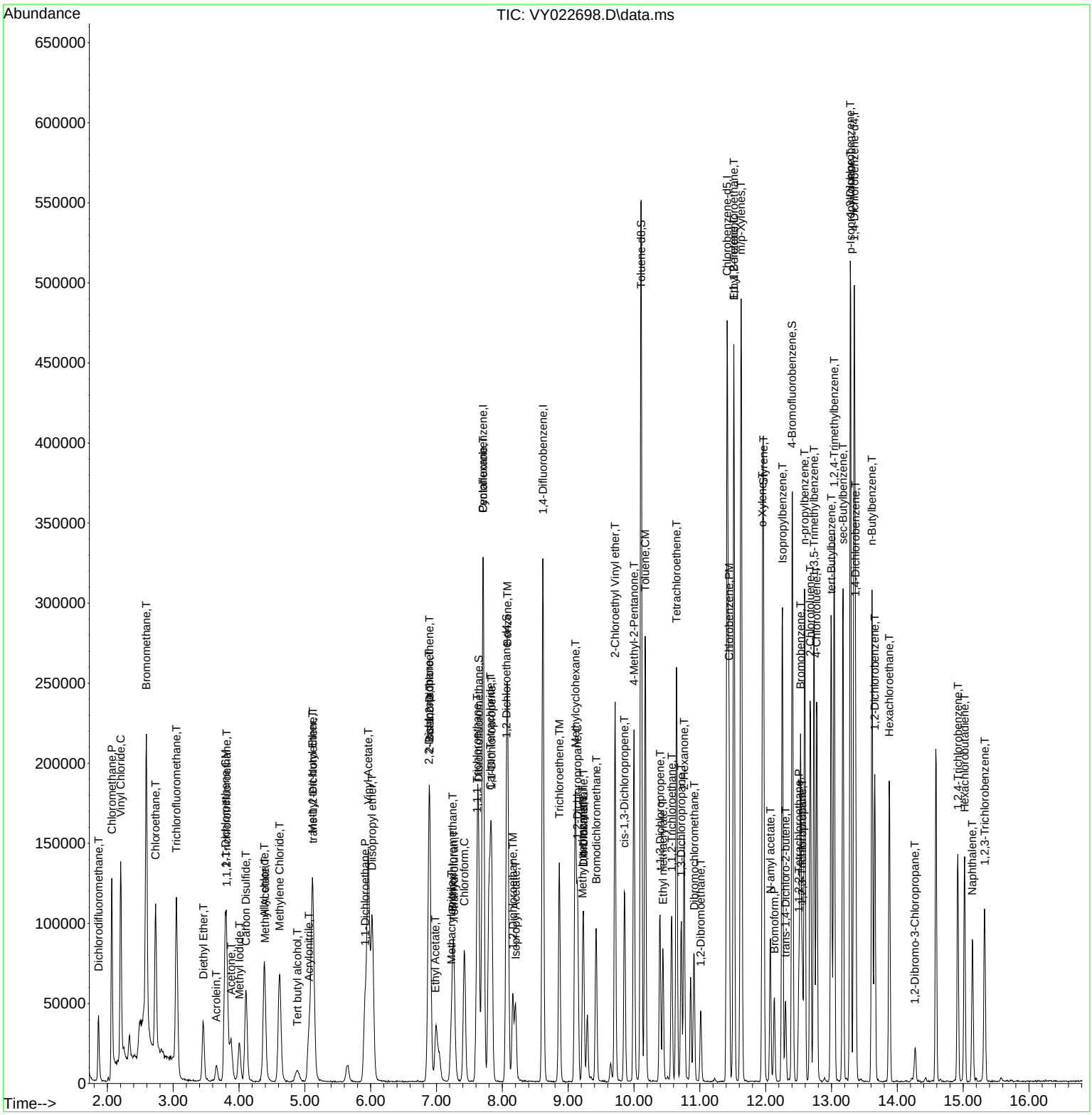
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022698.D
Acq On : 16 Jun 2025 10:34
Operator : SY/MD
Sample : VY0616SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

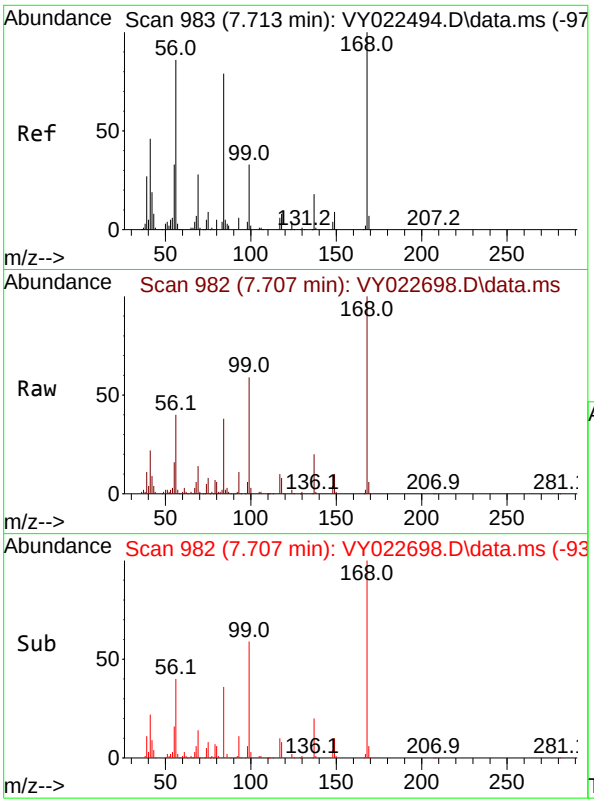
Quant Time: Jun 17 05:51:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

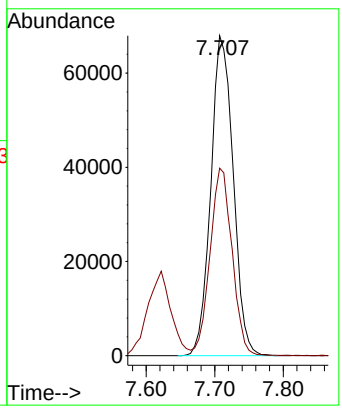




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:168 Resp: 15420

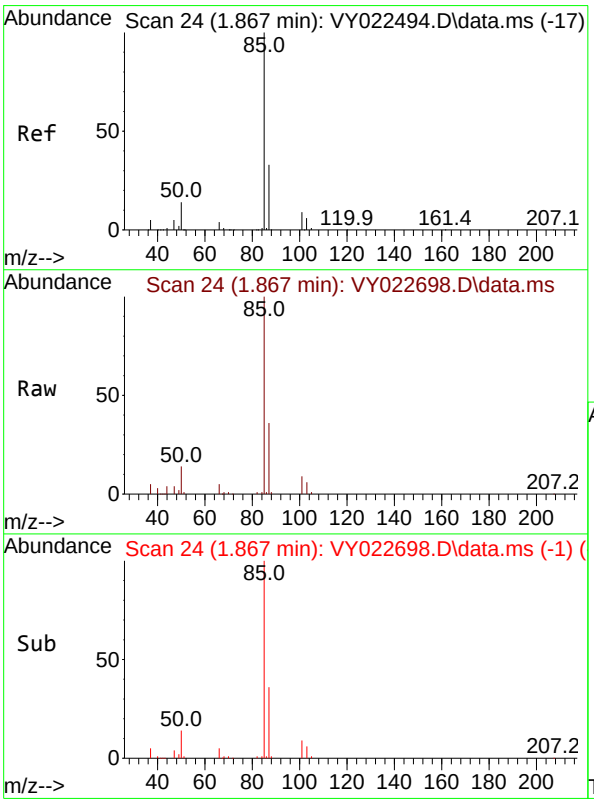
Ion	Ratio	Lower	Upper
168	100		
99	58.5	44.3	66.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

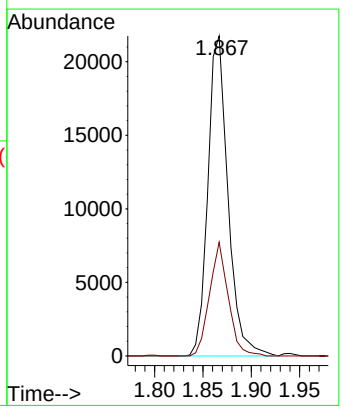
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

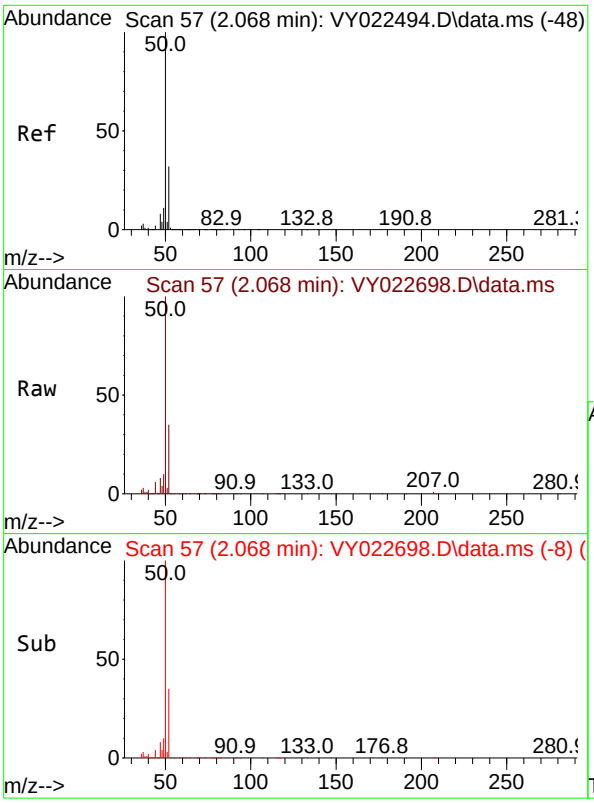


#2
Dichlorodifluoromethane
Concen: 22.748 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 85 Resp: 31407

Ion	Ratio	Lower	Upper
85	100		
87	35.5	16.7	50.0

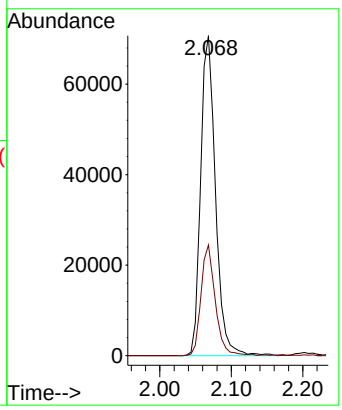




#3
Chloromethane
Concen: 24.988 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 50 Resp: 10191

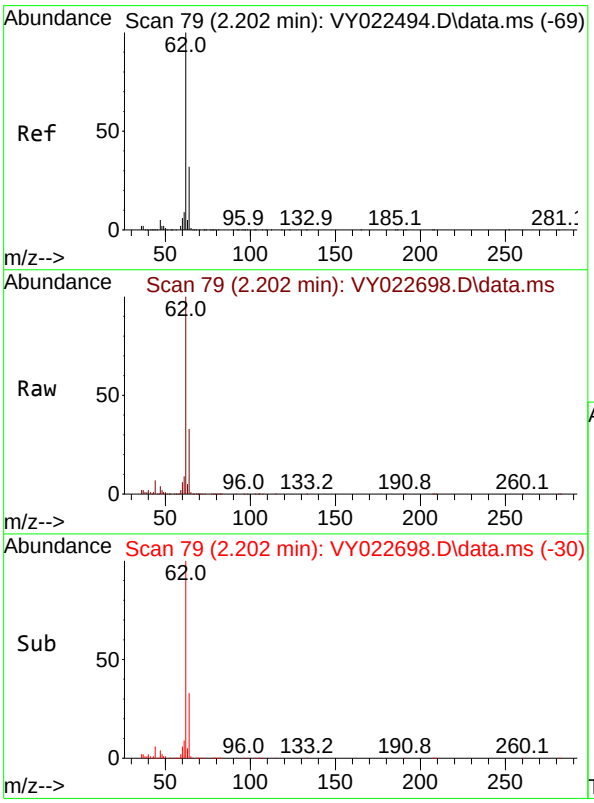
Ion	Ratio	Lower	Upper
50	100		
52	34.6	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

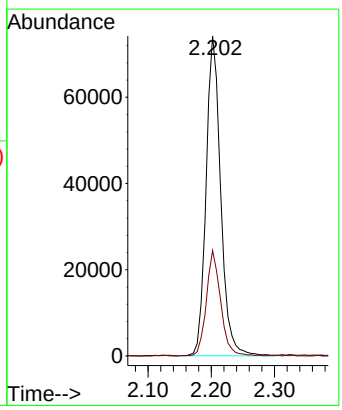
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

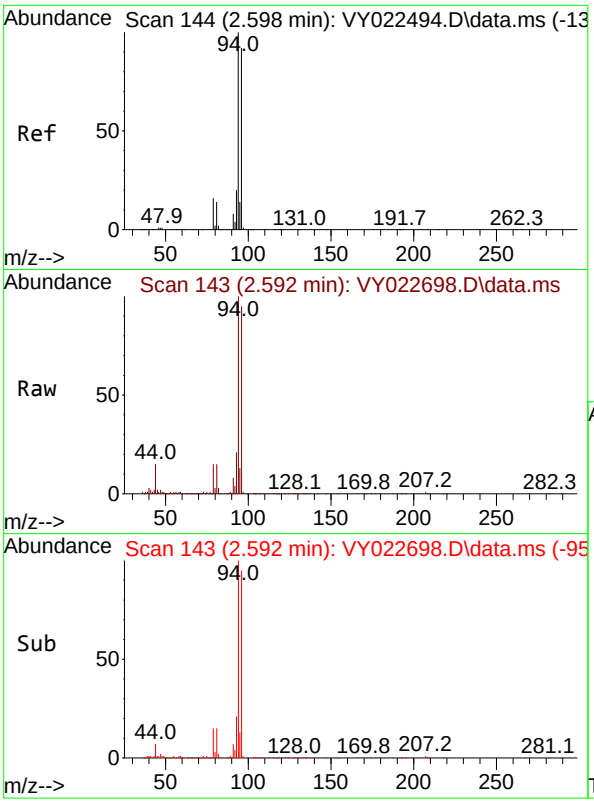


#4
Vinyl Chloride
Concen: 25.245 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 62 Resp: 119451

Ion	Ratio	Lower	Upper
62	100		
64	33.0	25.3	37.9





#5
Bromomethane
Concen: 26.715 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

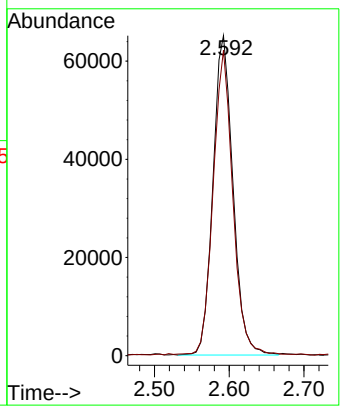
Tgt Ion: 94 Resp: 12115

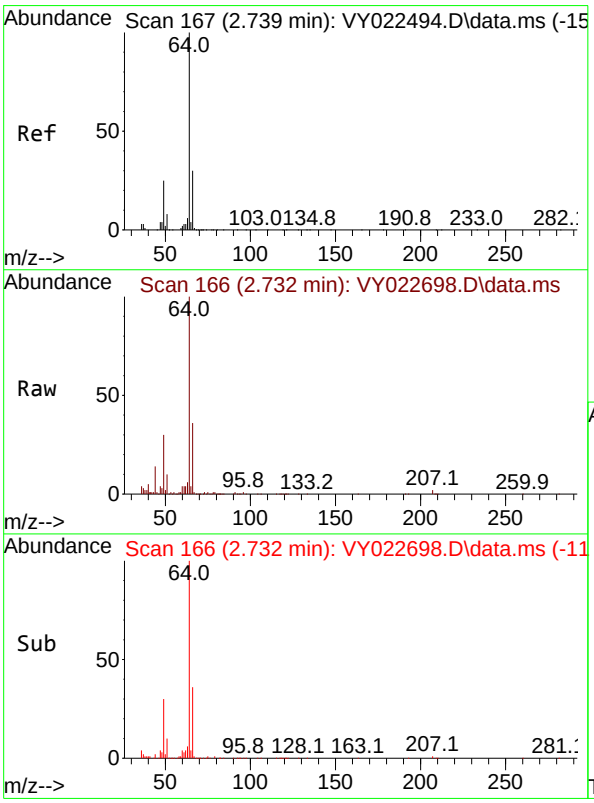
Ion	Ratio	Lower	Upper
94	100		
96	95.1	74.0	111.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

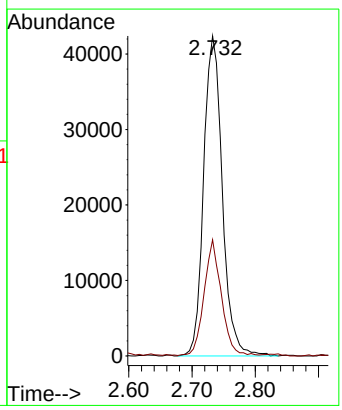


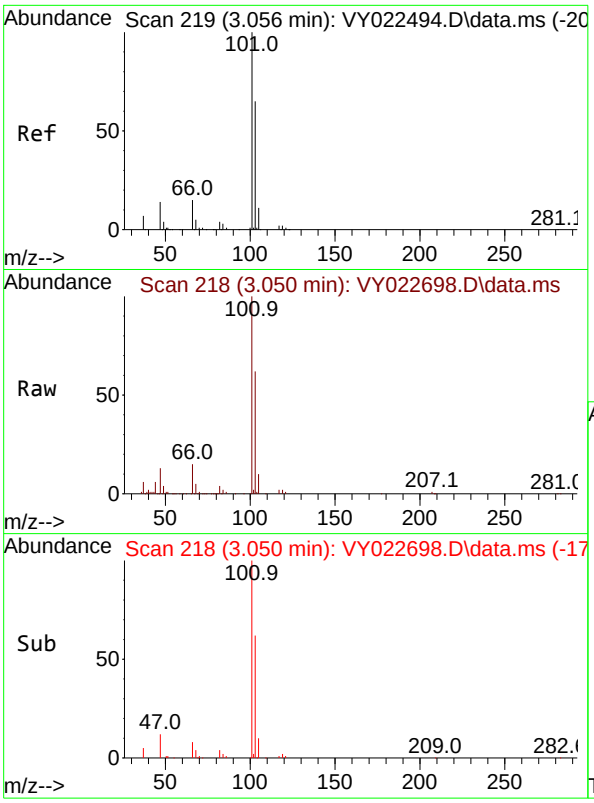


#6
Chloroethane
Concen: 26.797 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 64 Resp: 87028

Ion	Ratio	Lower	Upper
64	100		
66	36.1	23.8	35.6#

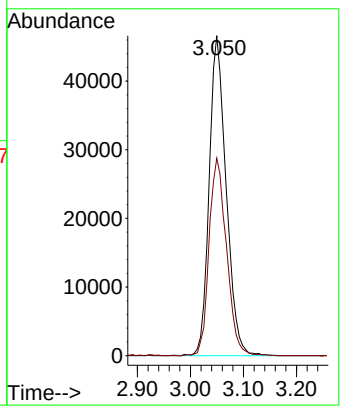




#7
Trichlorofluoromethane
Concen: 25.733 ug/l
RT: 3.050 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:101 Resp: 10336

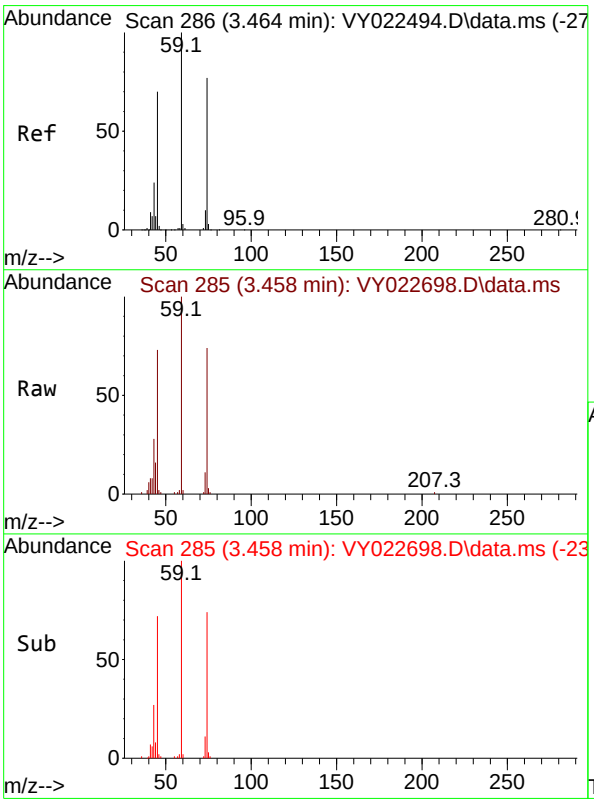
Ion	Ratio	Lower	Upper
101	100		
103	61.7	52.2	78.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

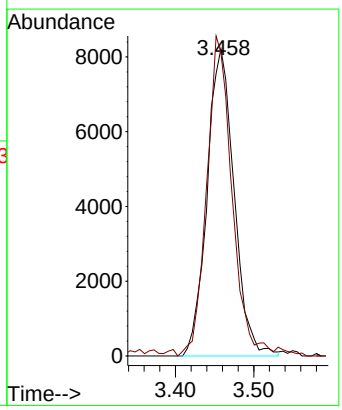
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

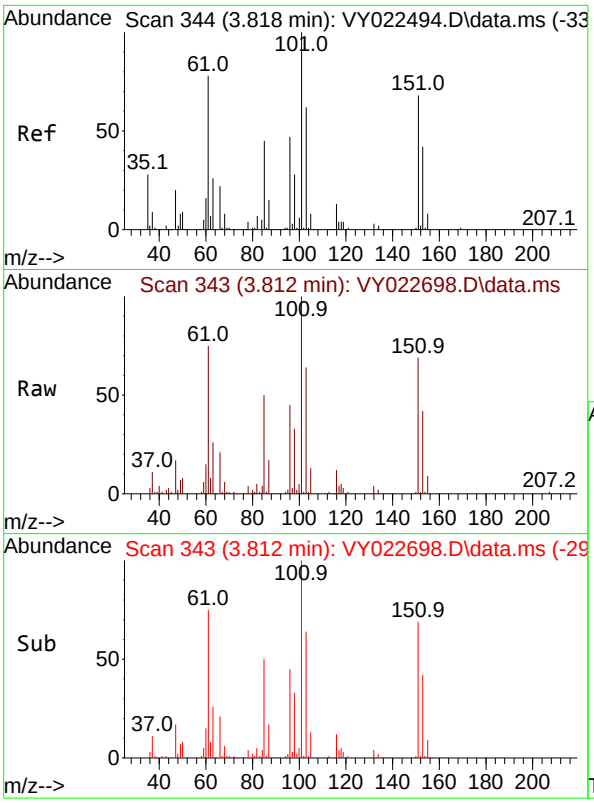


#8
Diethyl Ether
Concen: 21.801 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 74 Resp: 19721

Ion	Ratio	Lower	Upper
74	100		
45	96.8	45.9	137.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 23.014 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

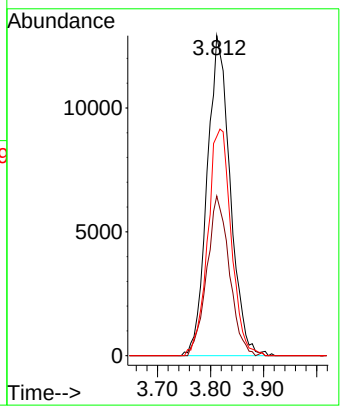
Tgt Ion:101 Resp: 3893

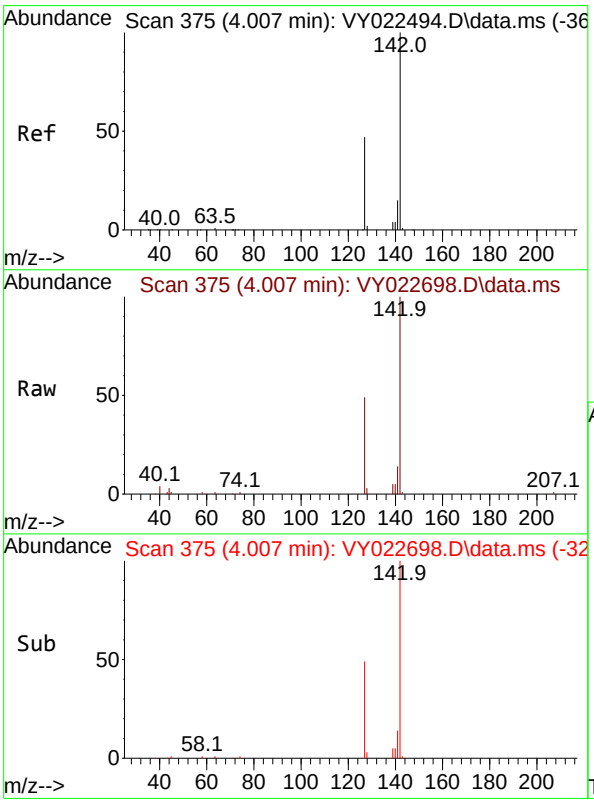
Ion	Ratio	Lower	Upper
101	100		
85	48.6	39.3	58.9
151	72.2	57.8	86.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

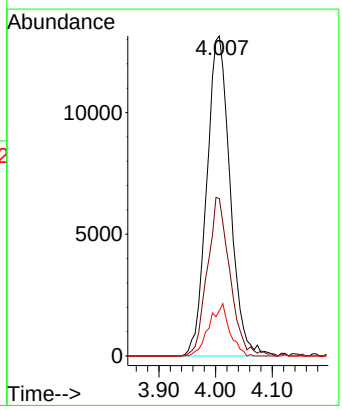


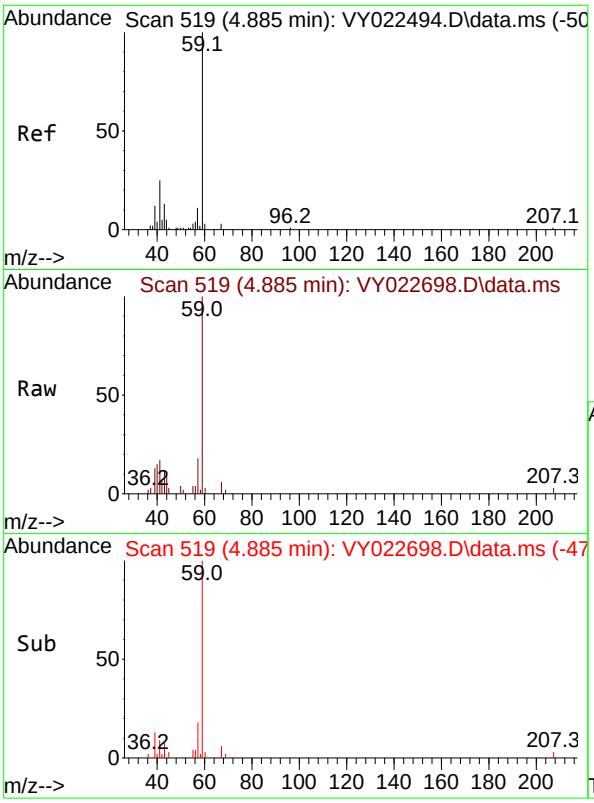


#10
Methyl Iodide
Concen: 20.540 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:142 Resp: 37605

Ion	Ratio	Lower	Upper
142	100		
127	47.9	37.1	55.7
141	14.4	11.4	17.2

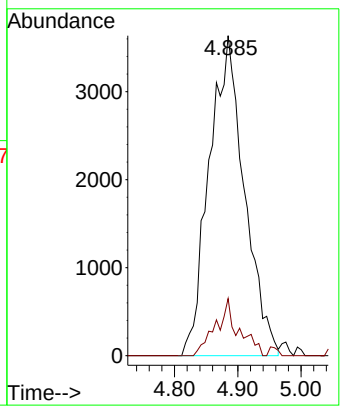




#11
Tert butyl alcohol
Concen: 114.160 ug/l
RT: 4.885 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 59 Resp: 1406

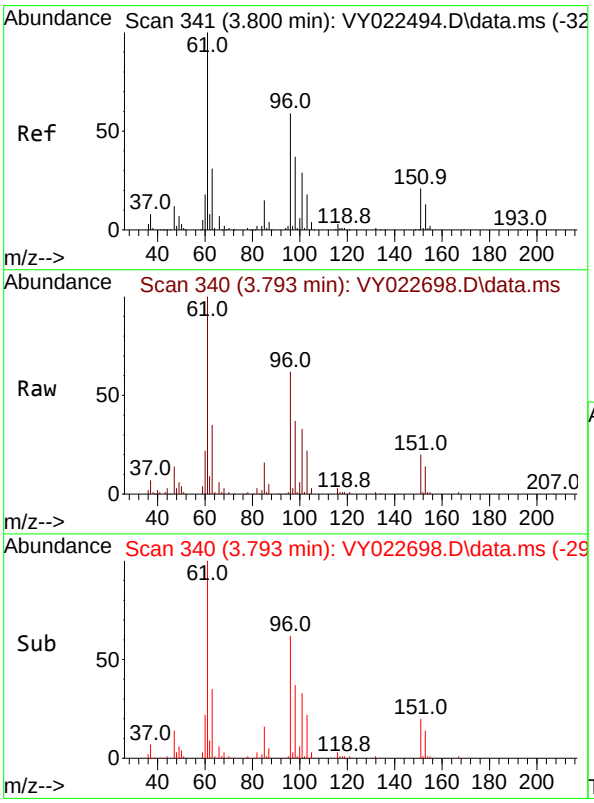
Ion	Ratio	Lower	Upper
59	100		
57	11.6	8.0	12.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

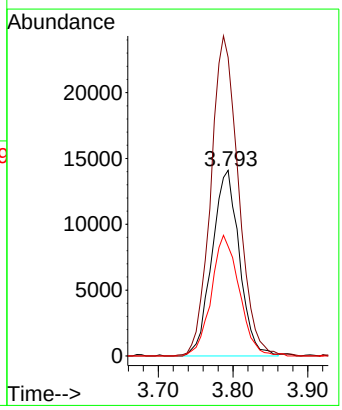
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

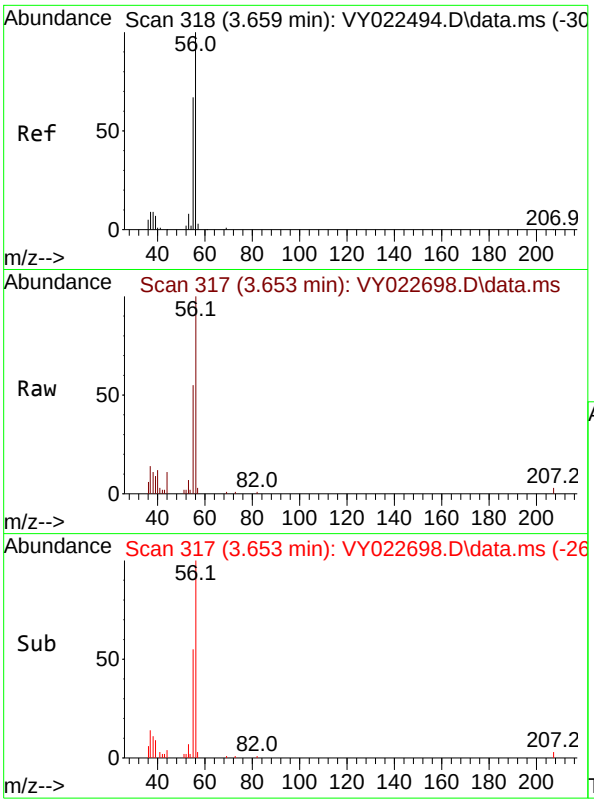


#12
1,1-Dichloroethene
Concen: 22.175 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 96 Resp: 35860

Ion	Ratio	Lower	Upper
96	100		
61	160.4	134.6	201.8
98	59.1	50.2	75.4





#13
Acrolein
Concen: 72.550 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

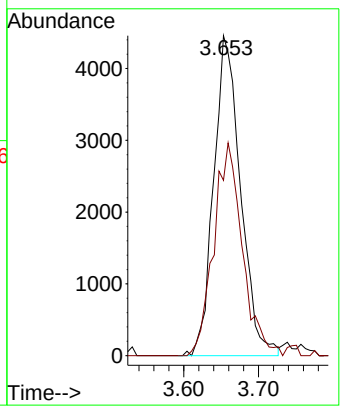
Tgt Ion: 56 Resp: 1113

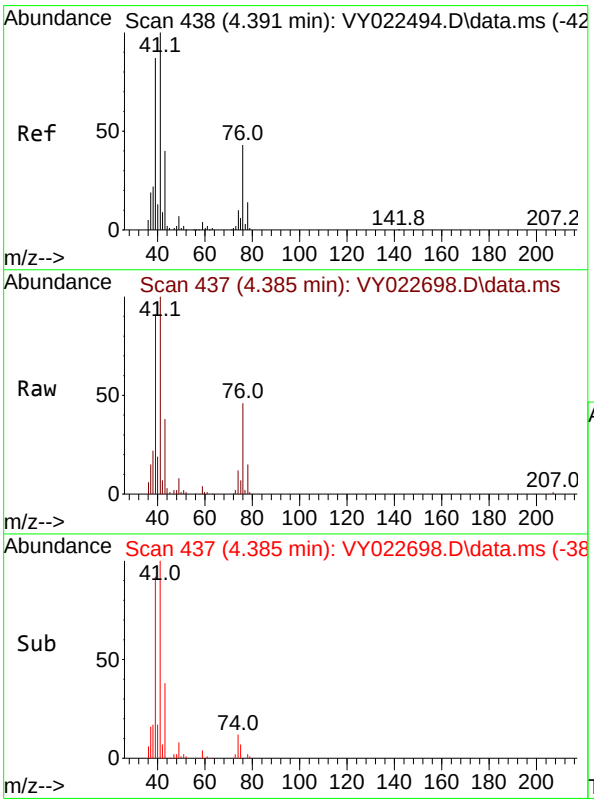
Ion	Ratio	Lower	Upper
56	100		
55	70.7	57.0	85.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

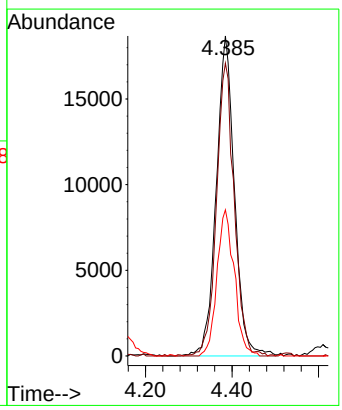


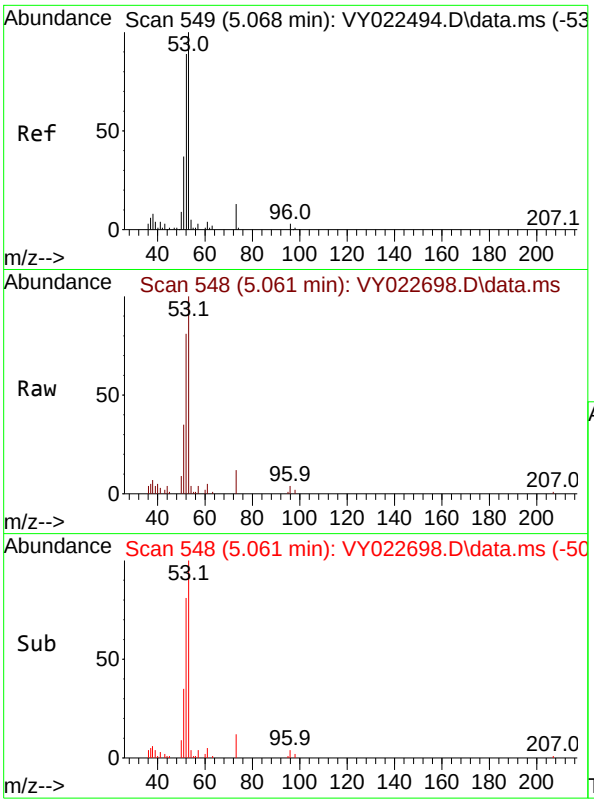


#14
Allyl chloride
Concen: 21.541 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 41 Resp: 54687

Ion	Ratio	Lower	Upper
41	100		
39	89.1	69.1	103.7
76	43.4	33.5	50.3

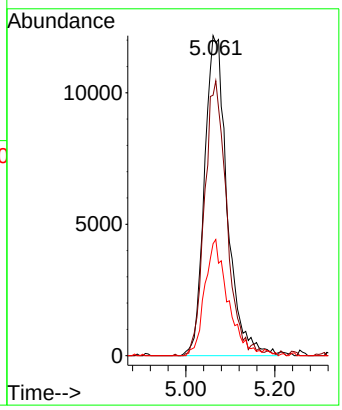




#15
Acrylonitrile
Concen: 113.099 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 53 Resp: 4333

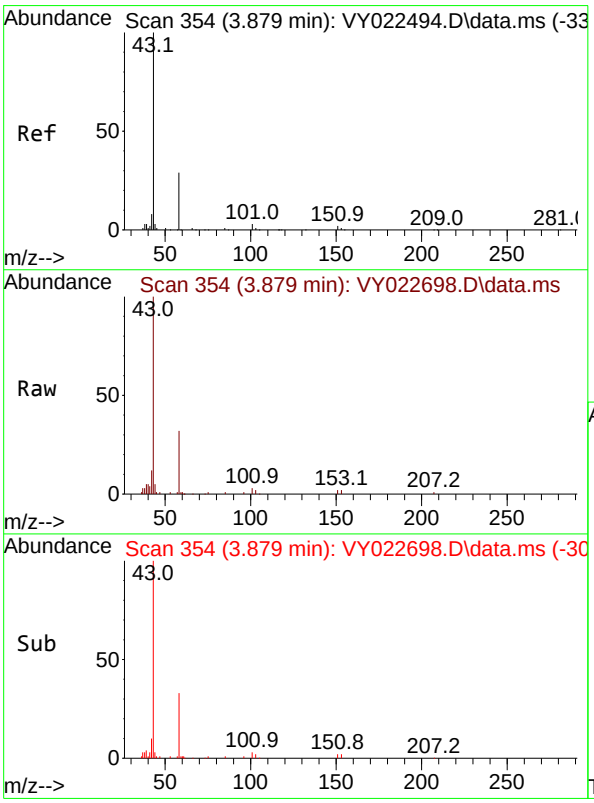
Ion	Ratio	Lower	Upper
53	100		
52	83.6	65.7	98.5
51	37.0	30.1	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

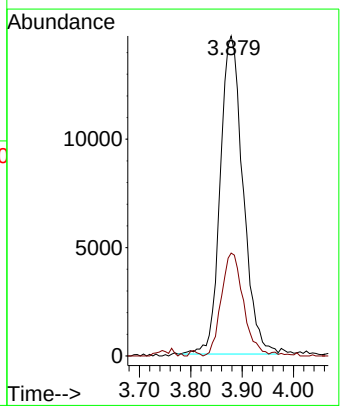
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

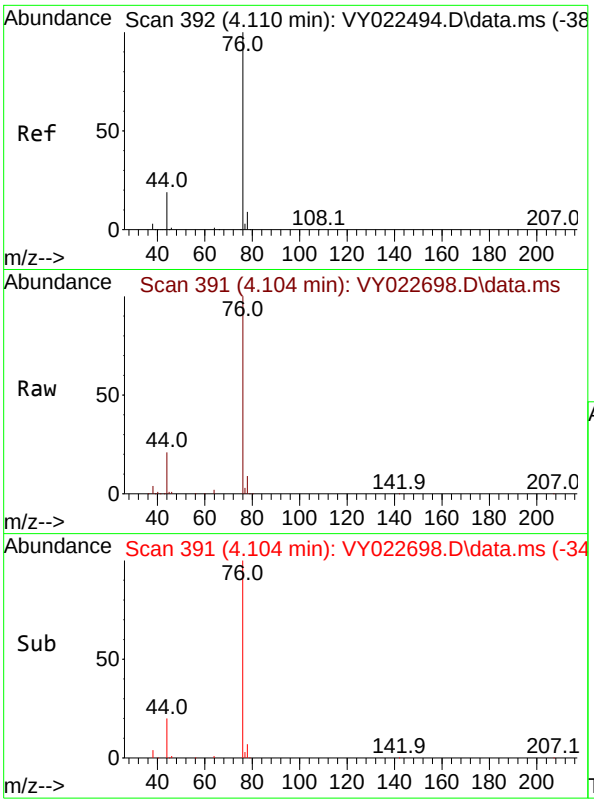


#16
Acetone
Concen: 129.169 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 43 Resp: 45244

Ion	Ratio	Lower	Upper
43	100		
58	32.3	24.0	36.0





#17
Carbon Disulfide
Concen: 21.370 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

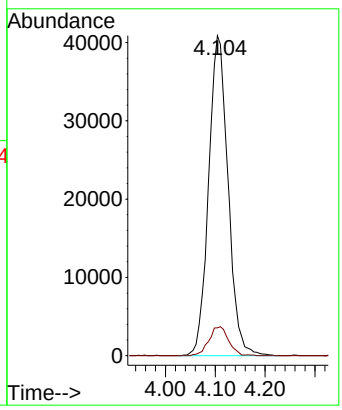
Tgt Ion: 76 Resp: 11063

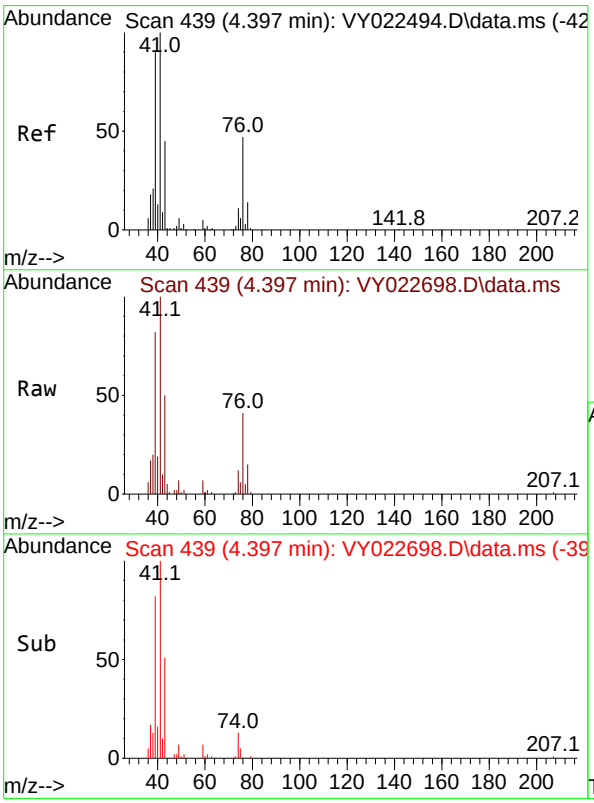
Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

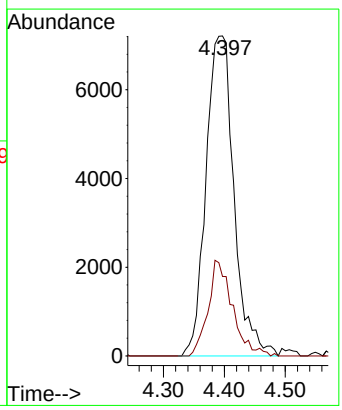


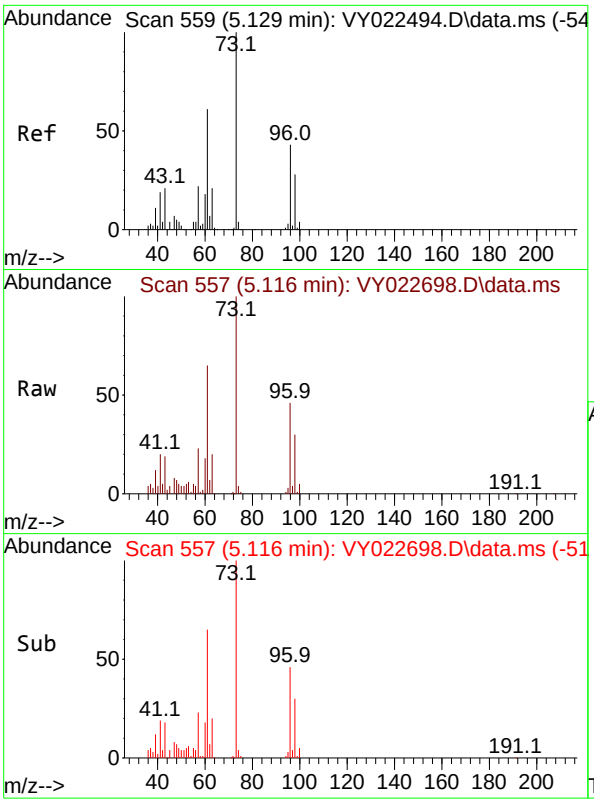


#18
Methyl Acetate
Concen: 22.232 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 43 Resp: 23060

Ion	Ratio	Lower	Upper
43	100		
74	26.0	19.8	29.6

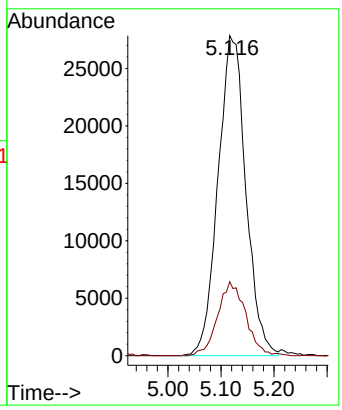




#19
Methyl tert-butyl Ether
Concen: 22.285 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 73 Resp: 10150

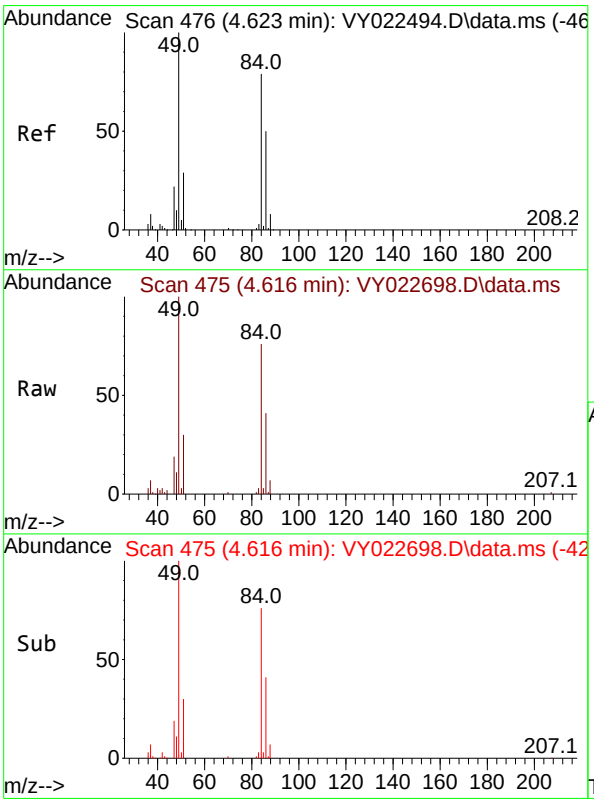
Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.4	26.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

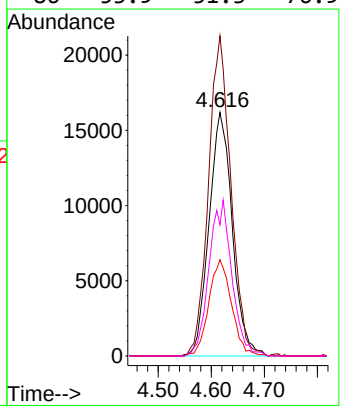
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

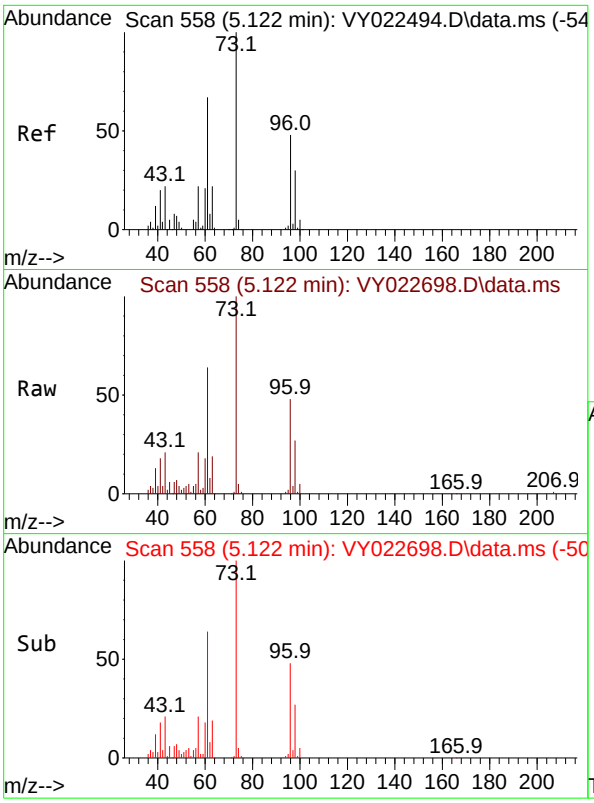


#20
Methylene Chloride
Concen: 24.784 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 84 Resp: 49311

Ion	Ratio	Lower	Upper
84	100		
49	131.4	101.9	152.9
51	39.6	29.8	44.8
86	53.9	51.3	76.9

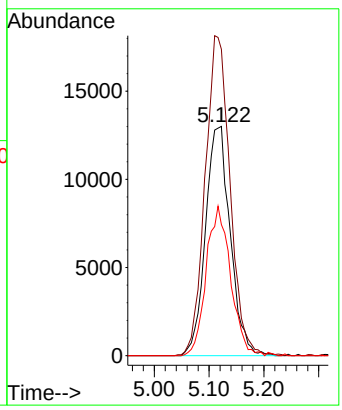




#21
trans-1,2-Dichloroethene
Concen: 22.547 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 96 Resp: 4080

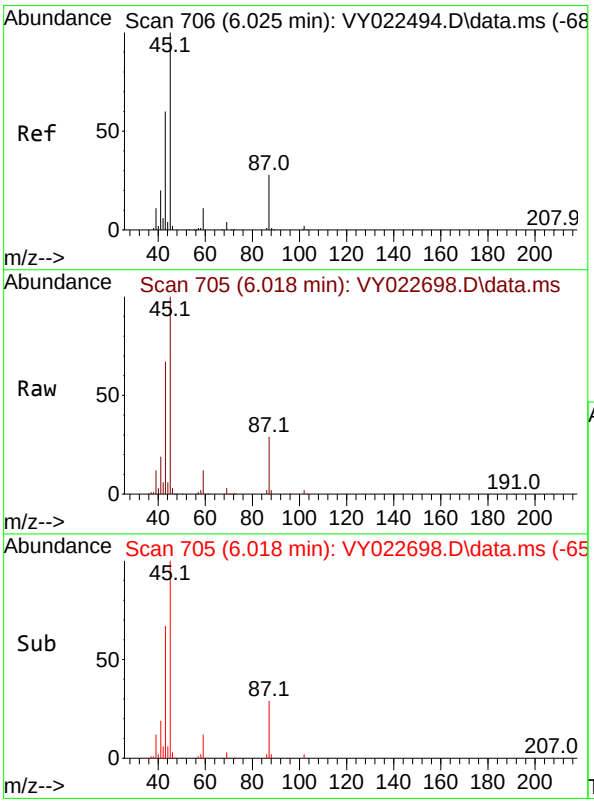
Ion	Ratio	Lower	Upper
96	100		
61	133.2	112.6	169.0
98	57.2	50.6	75.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

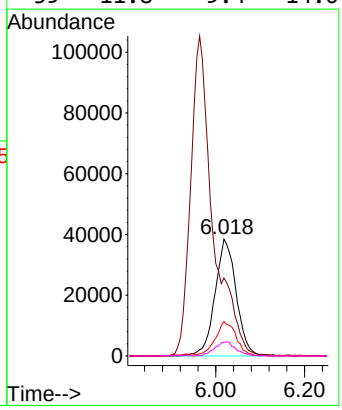
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

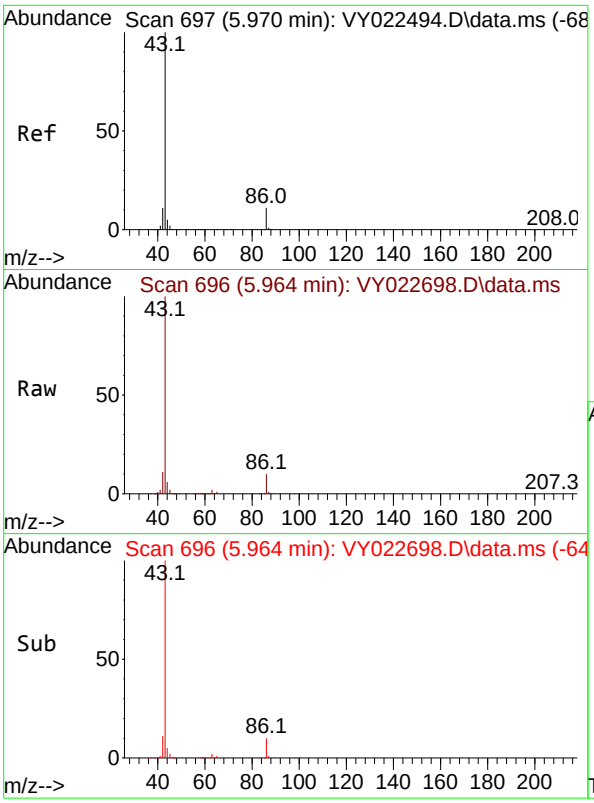


#22
Diisopropyl ether
Concen: 22.525 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 45 Resp: 127285

Ion	Ratio	Lower	Upper
45	100		
43	66.2	48.3	72.5
87	29.5	23.0	34.6
59	11.8	9.4	14.0





#23
Vinyl Acetate
Concen: 109.700 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

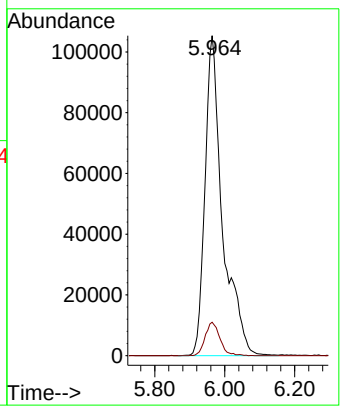
Tgt Ion: 43 Resp: 36690

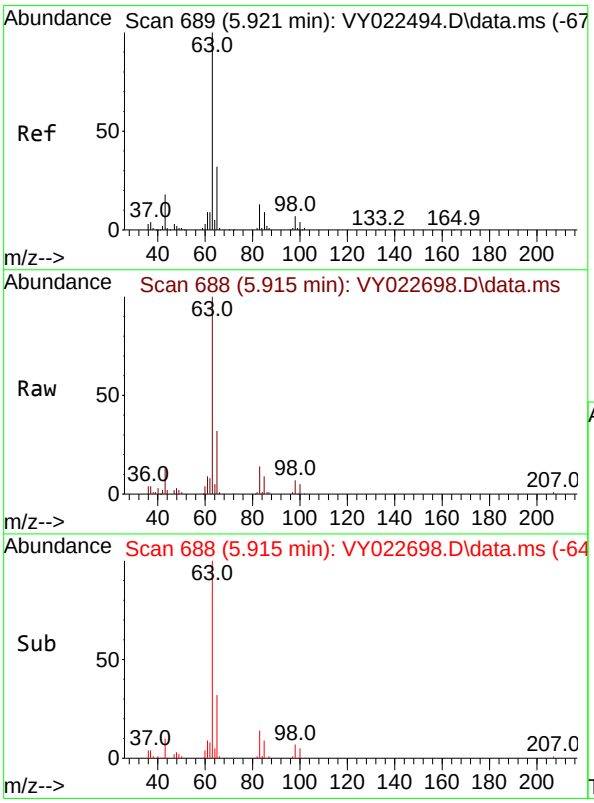
Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.6	12.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

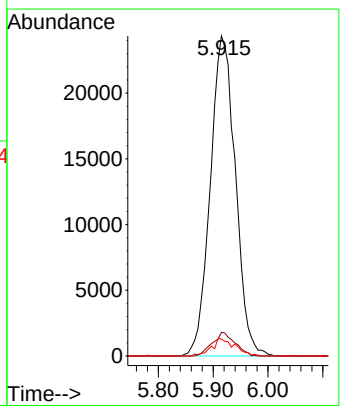


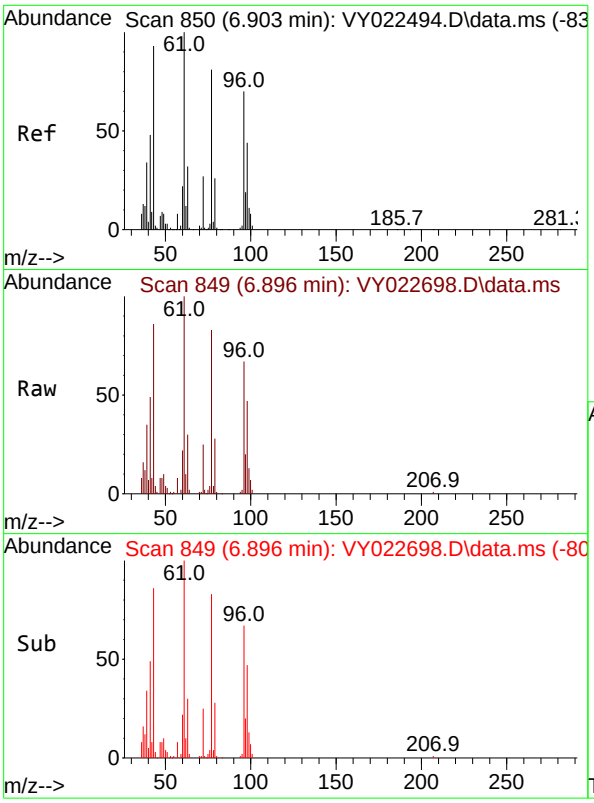


#24
1,1-Dichloroethane
Concen: 23.266 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 63 Resp: 77453

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.4	10.1
100	5.3	2.1	6.3





#25
2-Butanone
Concen: 118.250 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

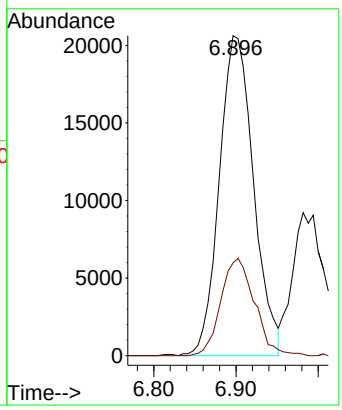
Tgt Ion: 43 Resp: 5974

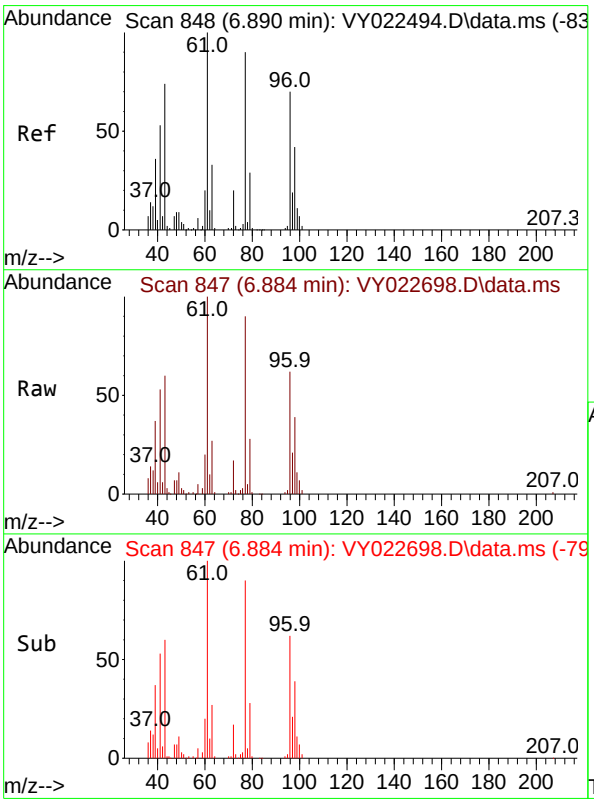
Ion	Ratio	Lower	Upper
43	100		
72	29.0	22.9	34.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

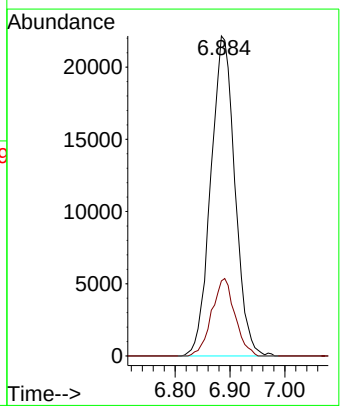


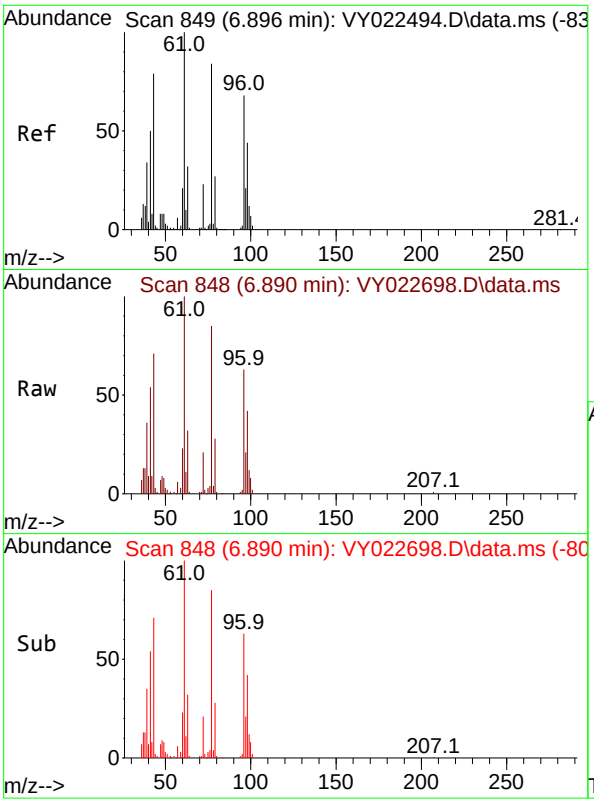


#26
2,2-Dichloropropane
Concen: 22.994 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 77 Resp: 67635

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.4	34.2





#27
cis-1,2-Dichloroethene
Concen: 22.944 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

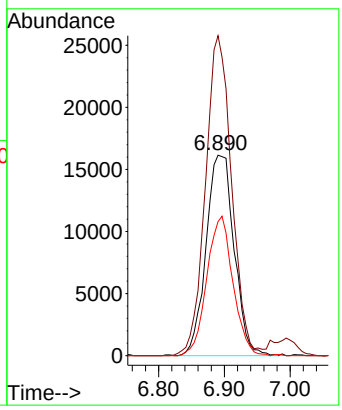
Tgt Ion: 96 Resp: 4799

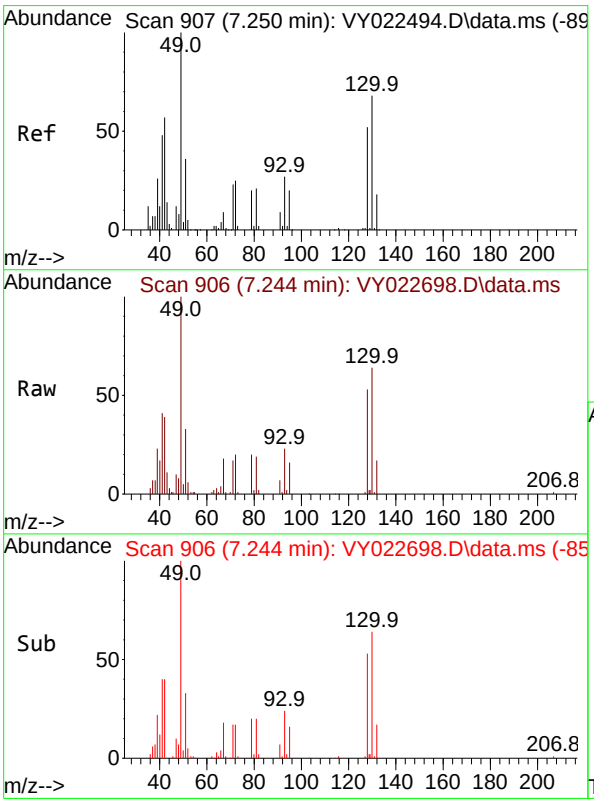
Ion	Ratio	Lower	Upper
96	100		
61	148.9	0.0	290.0
98	64.6	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

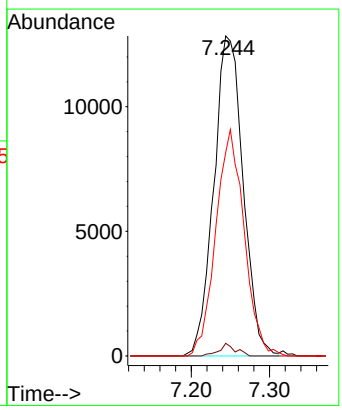


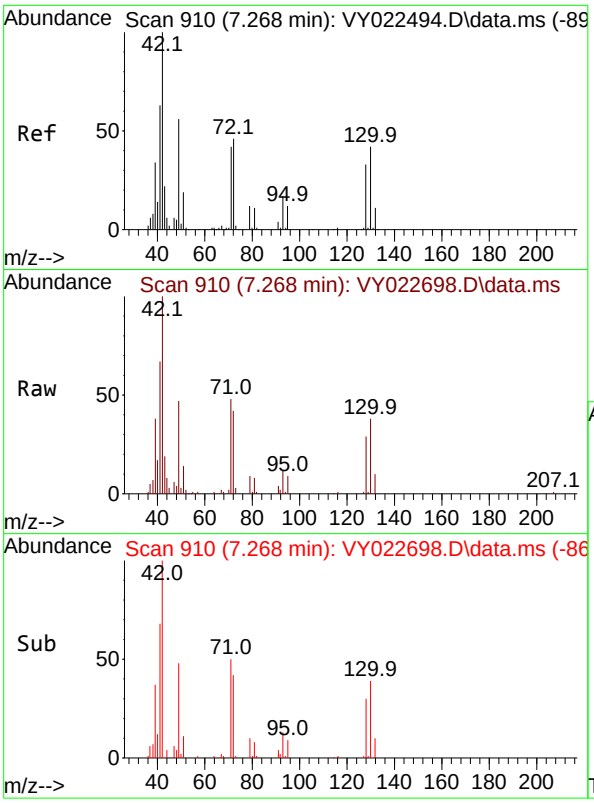


#28
Bromochloromethane
Concen: 23.038 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 49 Resp: 33432

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.6
130	68.5	55.7	83.5

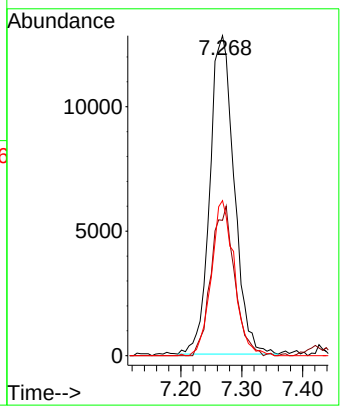




#29
Tetrahydrofuran
Concen: 109.047 ug/l
RT: 7.268 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 42 Resp: 3553

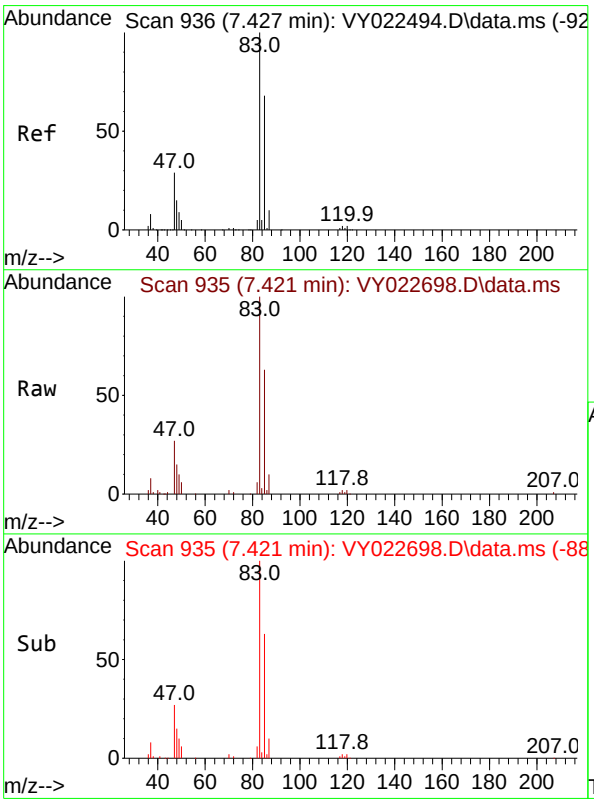
Ion	Ratio	Lower	Upper
42	100		
72	45.4	37.4	56.2
71	45.9	34.2	51.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

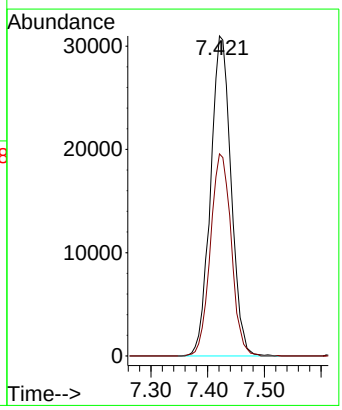
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

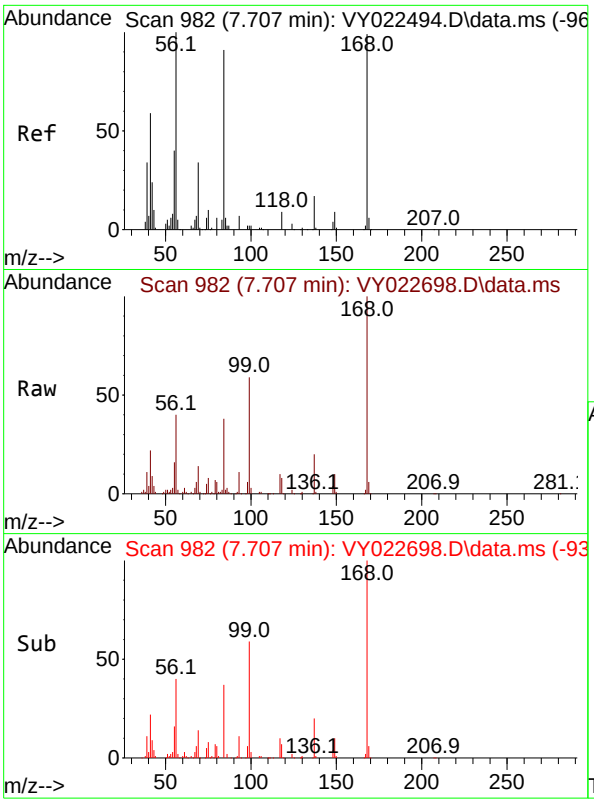


#30
Chloroform
Concen: 23.638 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 83 Resp: 77944

Ion	Ratio	Lower	Upper
83	100		
85	63.1	54.2	81.4





#31
Cyclohexane
Concen: 20.816 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

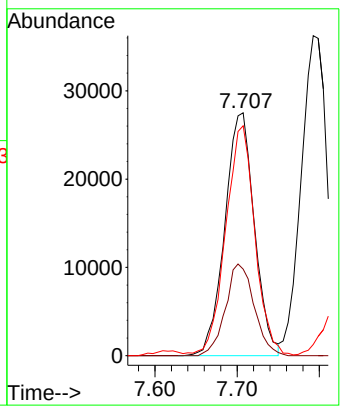
Tgt Ion: 56 Resp: 6898

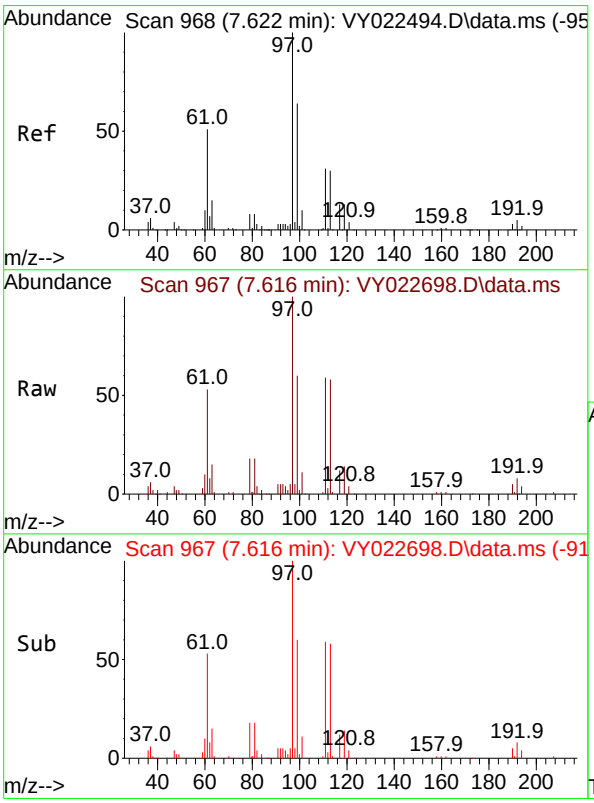
Ion	Ratio	Lower	Upper
56	100		
69	35.6	27.0	40.6
84	93.2	72.6	109.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

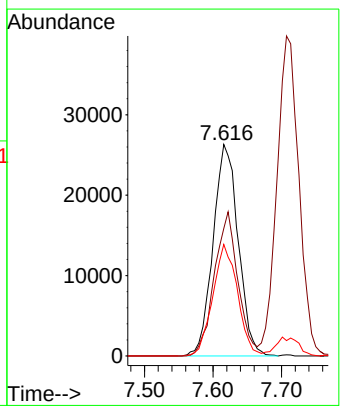


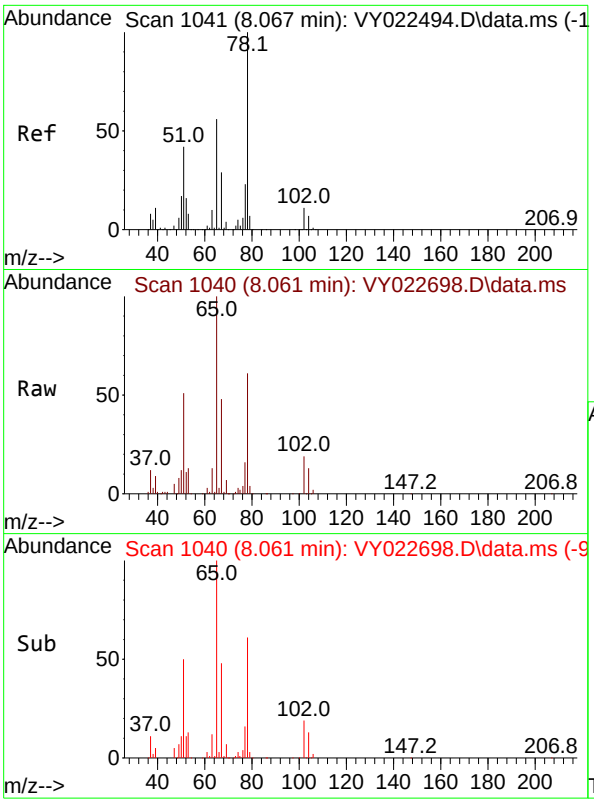


#32
1,1,1-Trichloroethane
Concen: 22.859 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 97 Resp: 66910

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.9	76.3
61	51.8	38.5	57.7

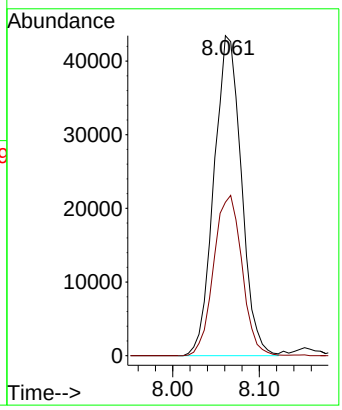




#33
1,2-Dichloroethane-d4
Concen: 55.317 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 65 Resp: 9540

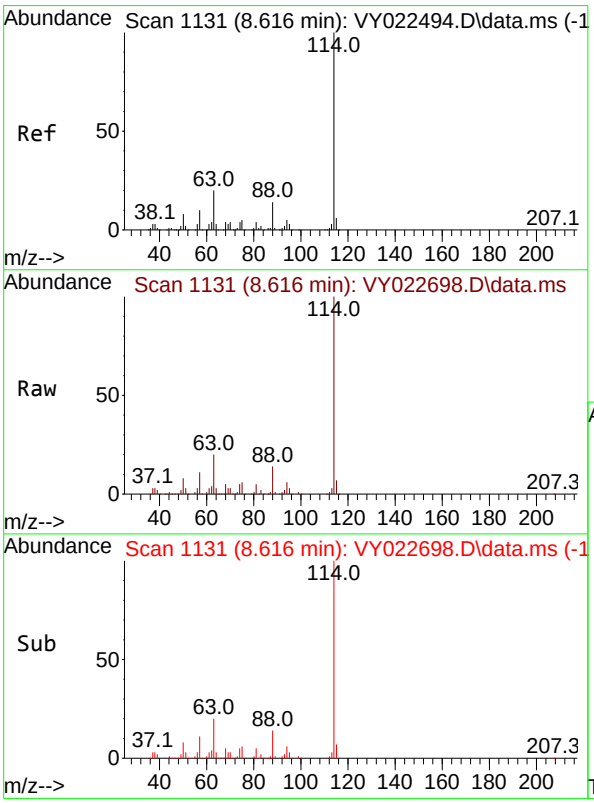
Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

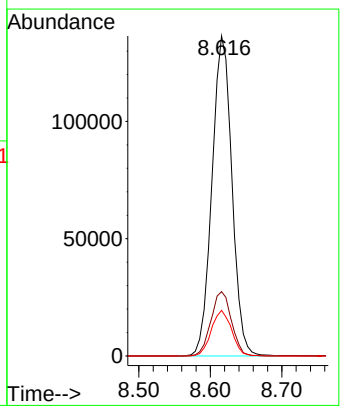
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

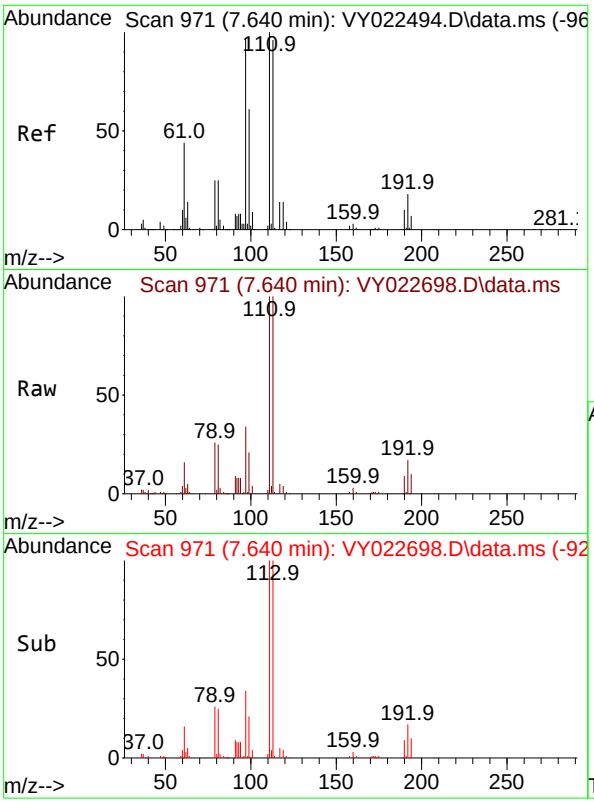


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:114 Resp: 264302

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.8
88	14.2	0.0	27.8

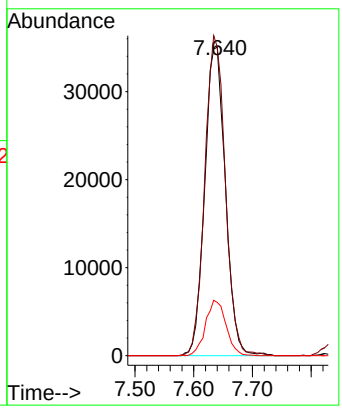




#35
Dibromofluoromethane
Concen: 54.437 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:113 Resp: 8587

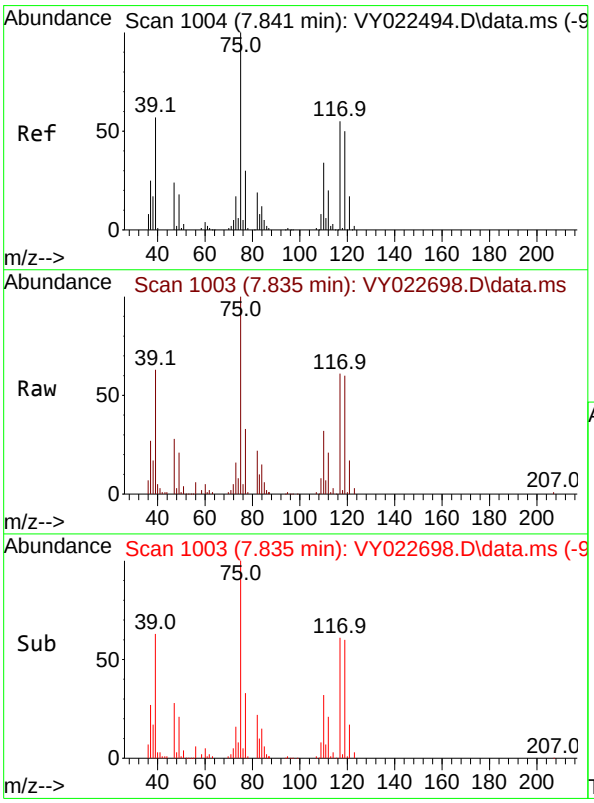
Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.1	121.7
192	17.8	14.2	21.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

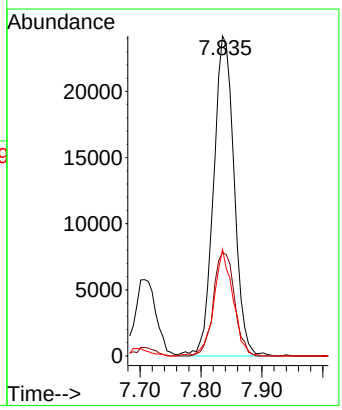
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

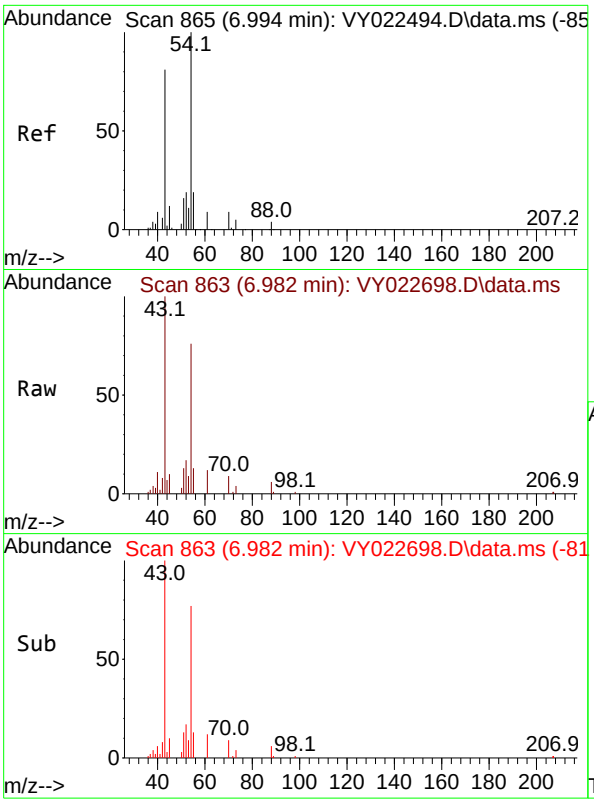


#36
1,1-Dichloropropene
Concen: 22.177 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 75 Resp: 56782

Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.9	50.7
77	30.9	24.8	37.2





#37
Ethyl Acetate
Concen: 22.364 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.012 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

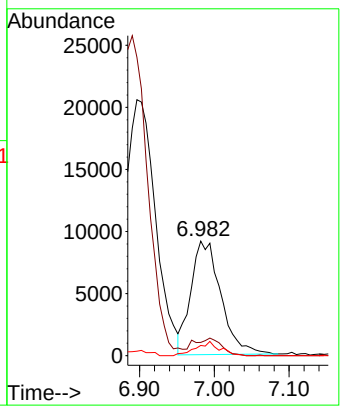
Tgt Ion: 43 Resp: 2553

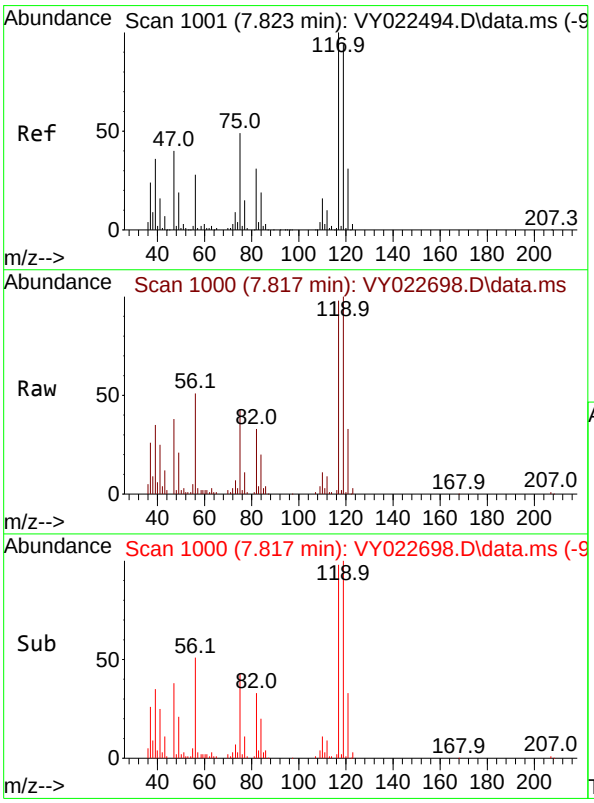
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.5	17.3
70	9.9	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

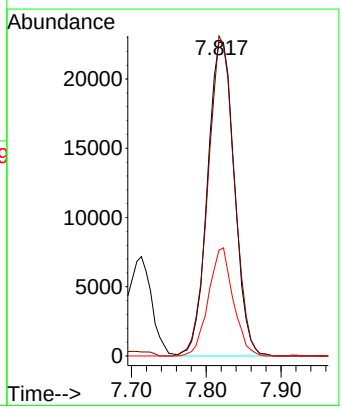


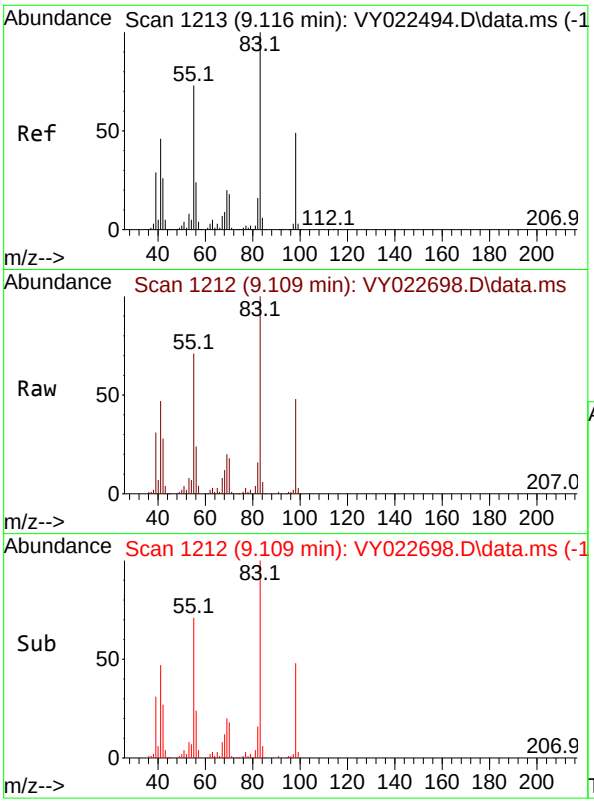


#38
Carbon Tetrachloride
Concen: 21.610 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:117 Resp: 56761

Ion	Ratio	Lower	Upper
117	100		
119	102.0	75.0	112.6
121	33.7	25.0	37.4





#39
Methylcyclohexane
Concen: 20.689 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

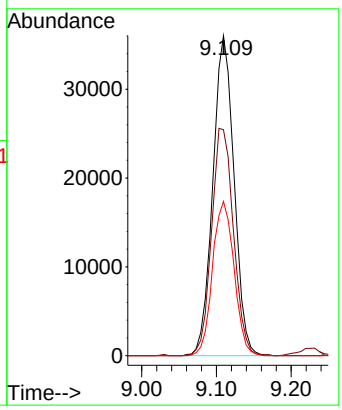
Tgt Ion: 83 Resp: 7118

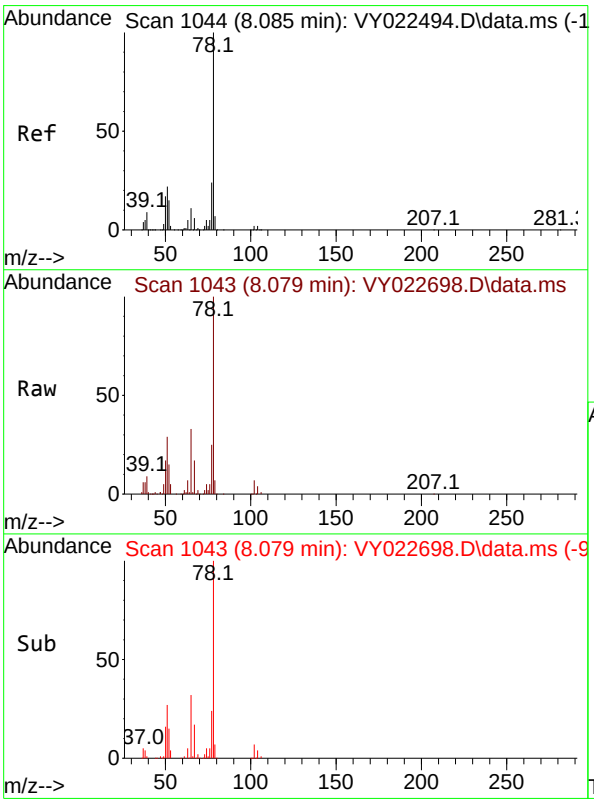
Ion	Ratio	Lower	Upper
83	100		
55	70.6	58.1	87.1
98	48.2	39.0	58.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

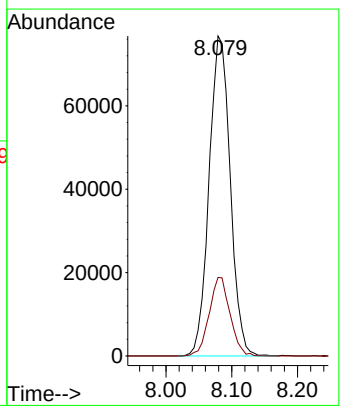


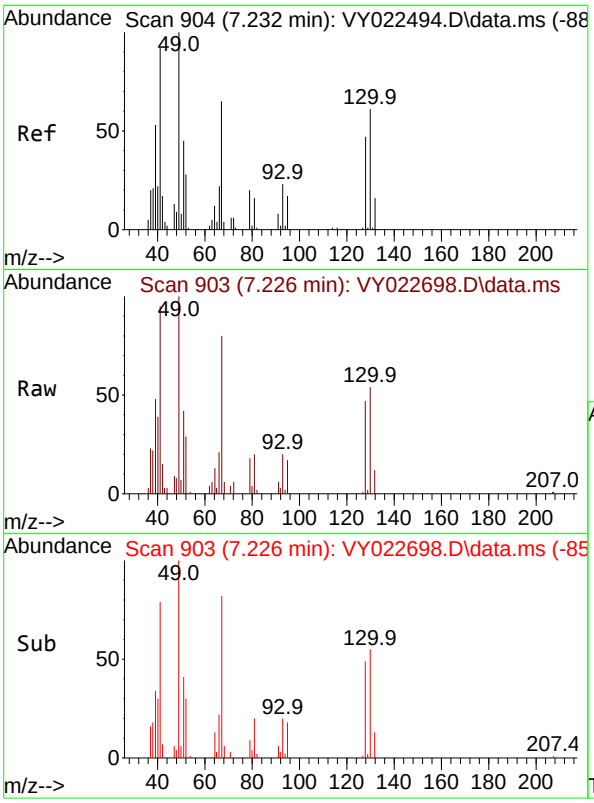


#40
Benzene
Concen: 22.703 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 78 Resp: 171688

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.3	28.9

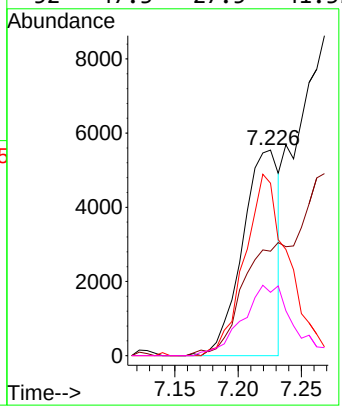




#41
Methacrylonitrile
Concen: 16.651 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 41 Resp: 1110

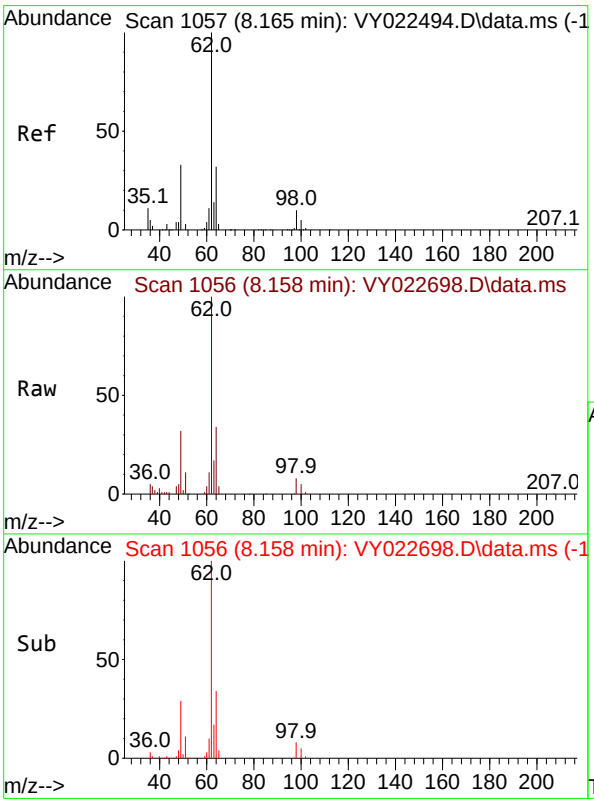
Ion	Ratio	Lower	Upper
41	100		
39	0.0	46.6	69.8#
67	107.0	63.3	94.9#
52	47.3	27.5	41.3#



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

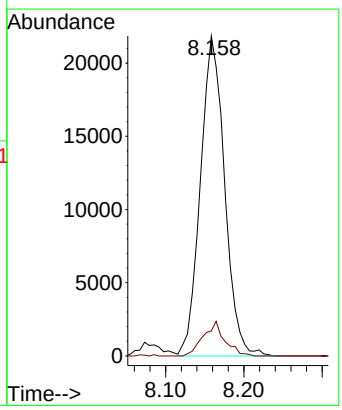
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

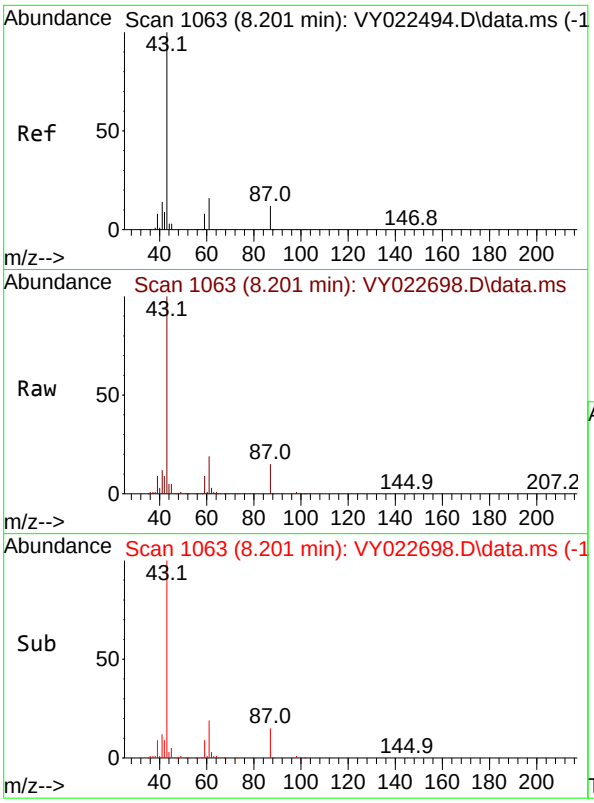


#42
1,2-Dichloroethane
Concen: 22.741 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 62 Resp: 46956

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.2





#43
Isopropyl Acetate
Concen: 21.643 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

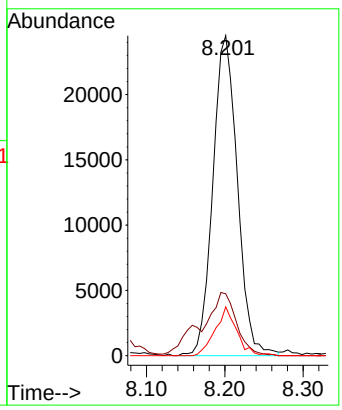
Tgt Ion: 43 Resp: 5337

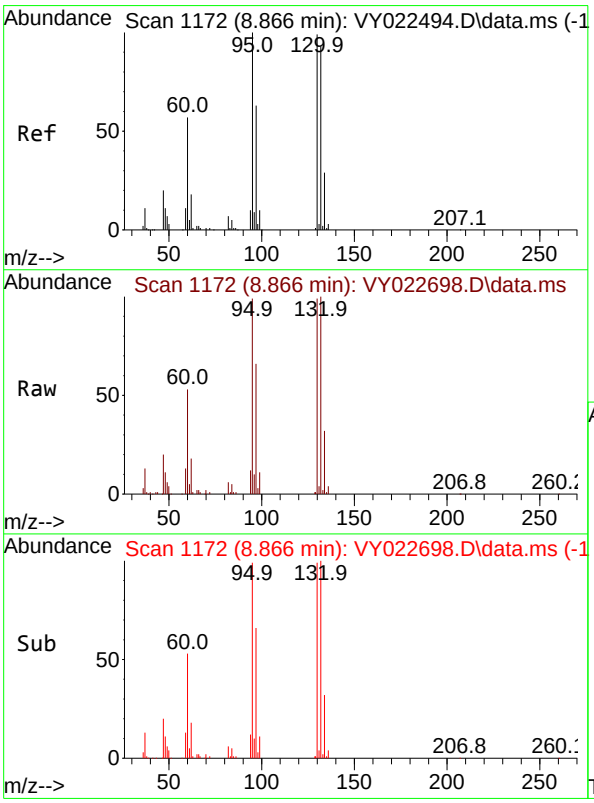
Ion	Ratio	Lower	Upper
43	100		
61	20.6	15.6	23.4
87	13.5	10.2	15.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

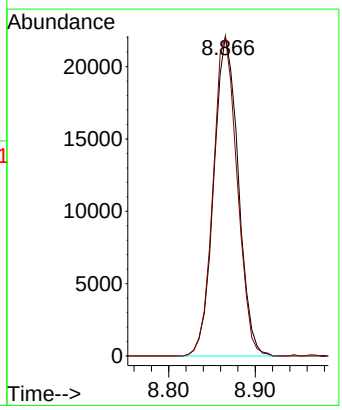


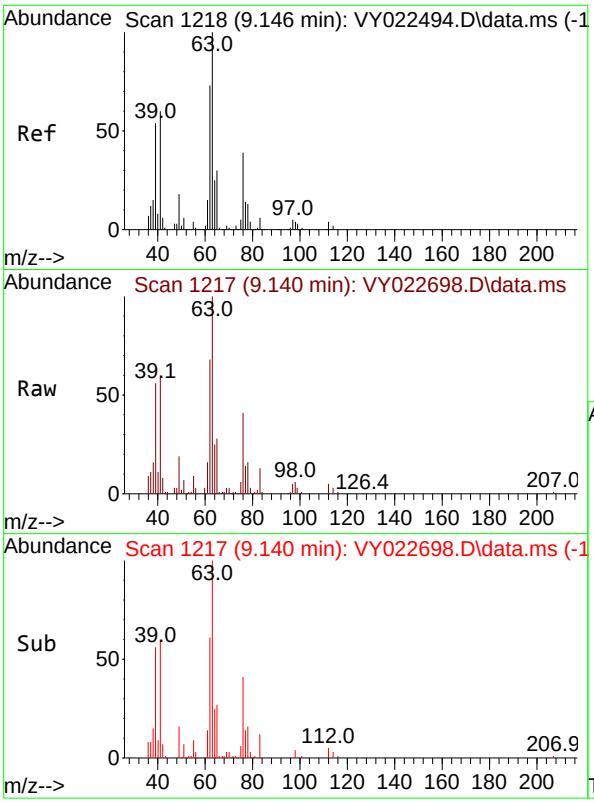


#44
Trichloroethene
Concen: 23.404 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:130 Resp: 43256

Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	203.0





#45
1,2-Dichloropropane
Concen: 23.548 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

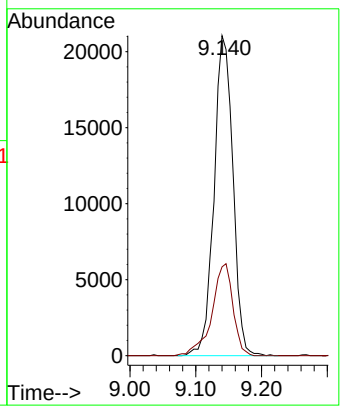
Tgt Ion: 63 Resp: 4208

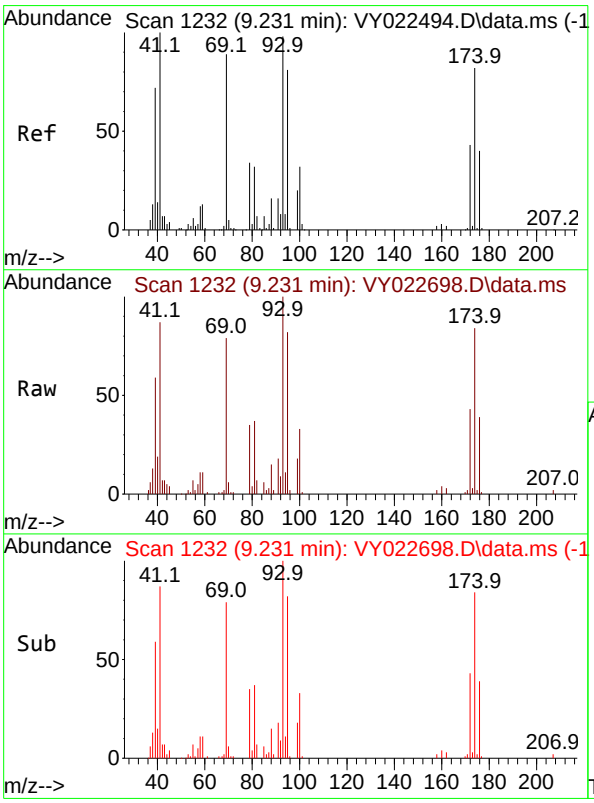
Ion	Ratio	Lower	Upper
63	100		
65	27.7	24.0	36.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

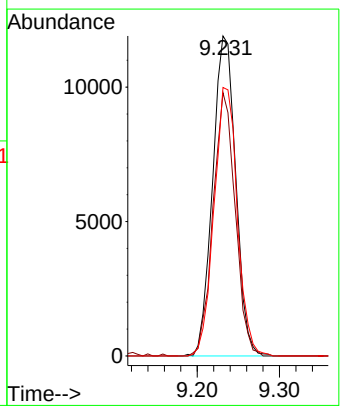


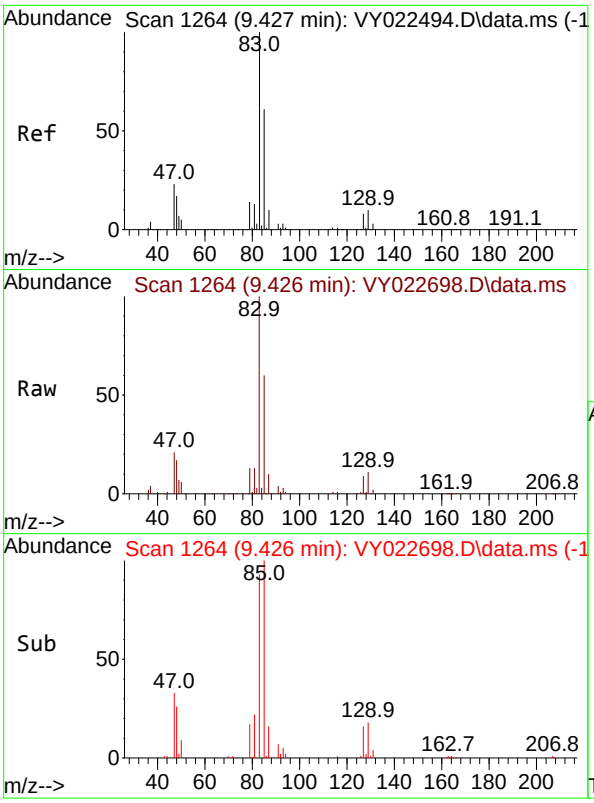


#46
Dibromomethane
Concen: 23.094 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 93 Resp: 23220

Ion	Ratio	Lower	Upper
93	100		
95	79.0	65.6	98.4
174	84.6	70.4	105.6

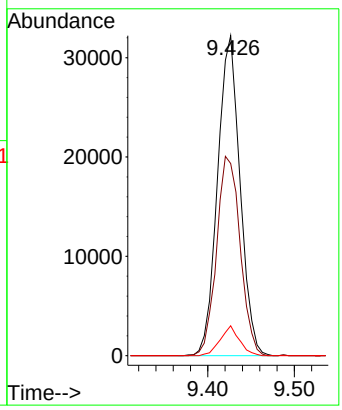




#47
Bromodichloromethane
Concen: 22.777 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 83 Resp: 5807

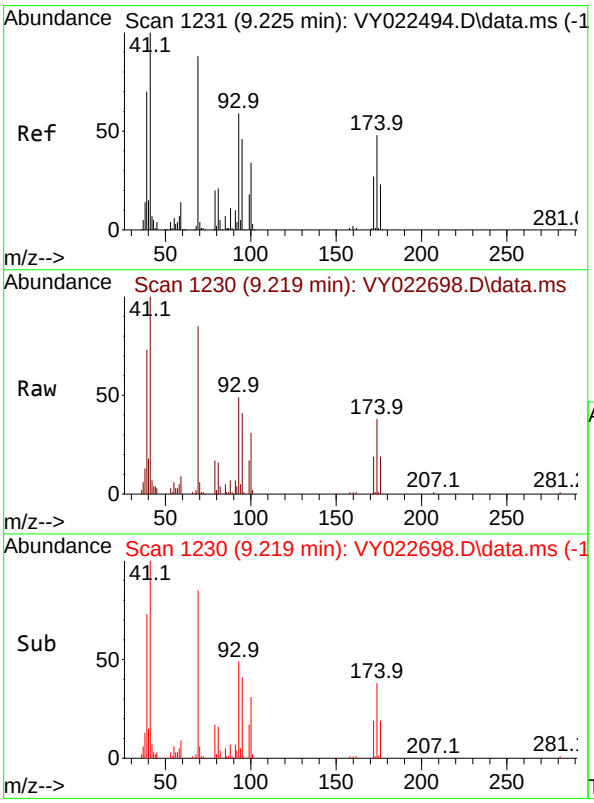
Ion	Ratio	Lower	Upper
83	100		
85	60.0	49.1	73.7
127	9.4	6.2	9.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

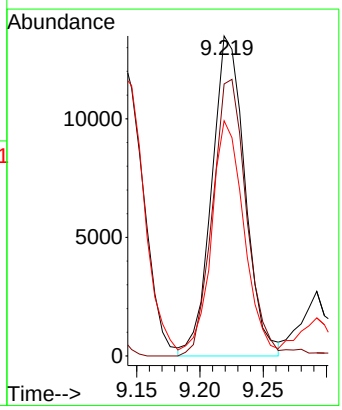
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

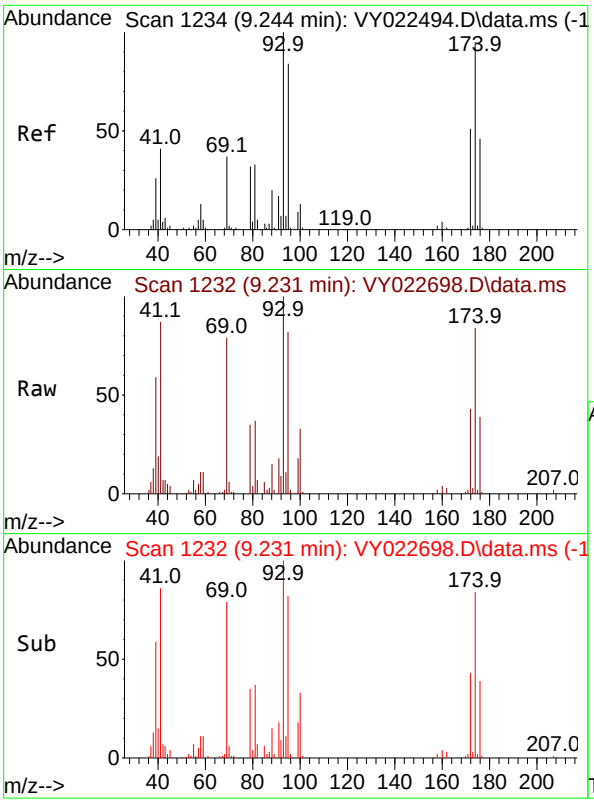


#48
Methyl methacrylate
Concen: 21.328 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 41 Resp: 24684

Ion	Ratio	Lower	Upper
41	100		
69	89.4	67.8	101.8
39	68.6	55.0	82.4





#49
1,4-Dioxane
Concen: 398.509 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

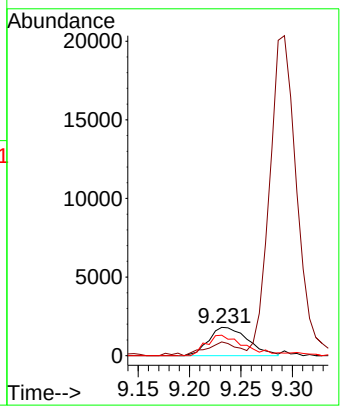
Tgt Ion: 88 Resp: 474

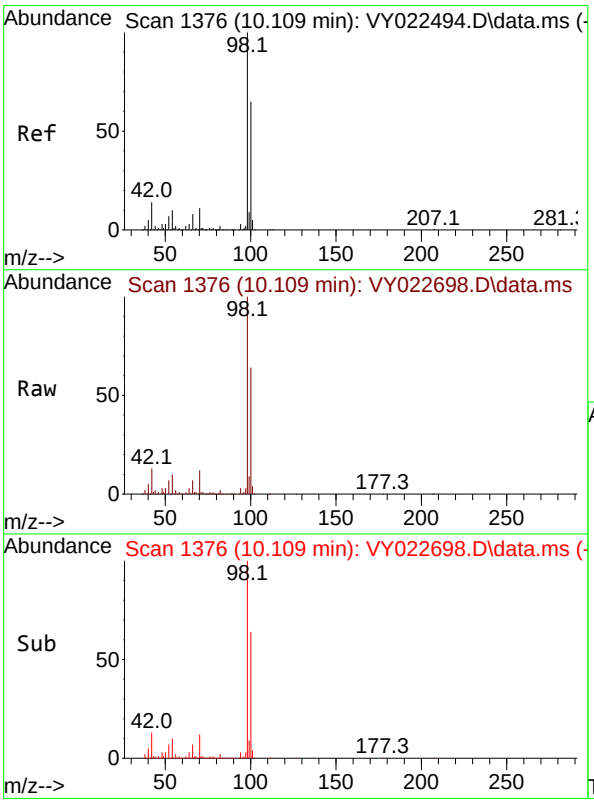
Ion	Ratio	Lower	Upper
88	100		
43	39.2	25.4	38.2
58	71.4	54.9	82.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

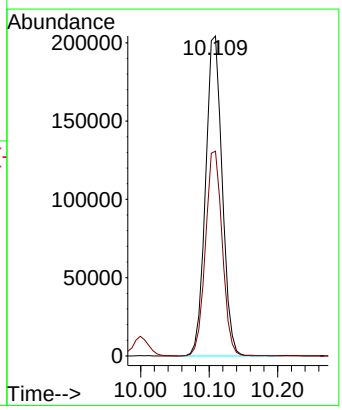


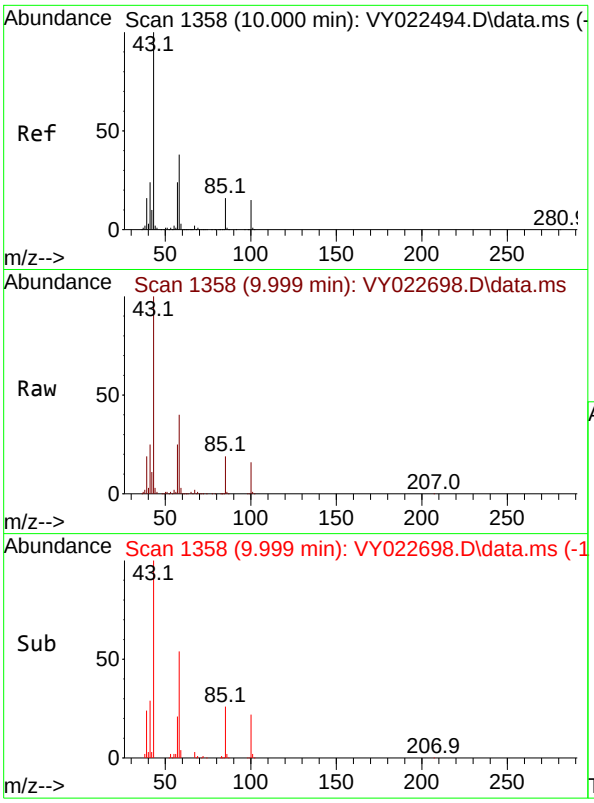


#50
Toluene-d8
Concen: 54.130 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 98 Resp: 345045

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0





#51
4-Methyl-2-Pentanone
Concen: 108.744 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

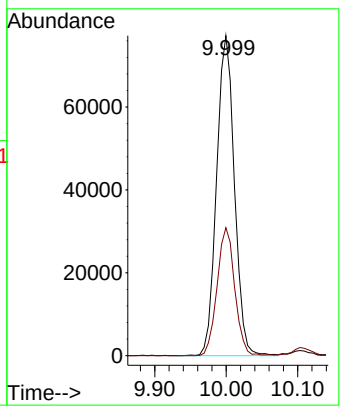
Tgt Ion: 43 Resp: 13369

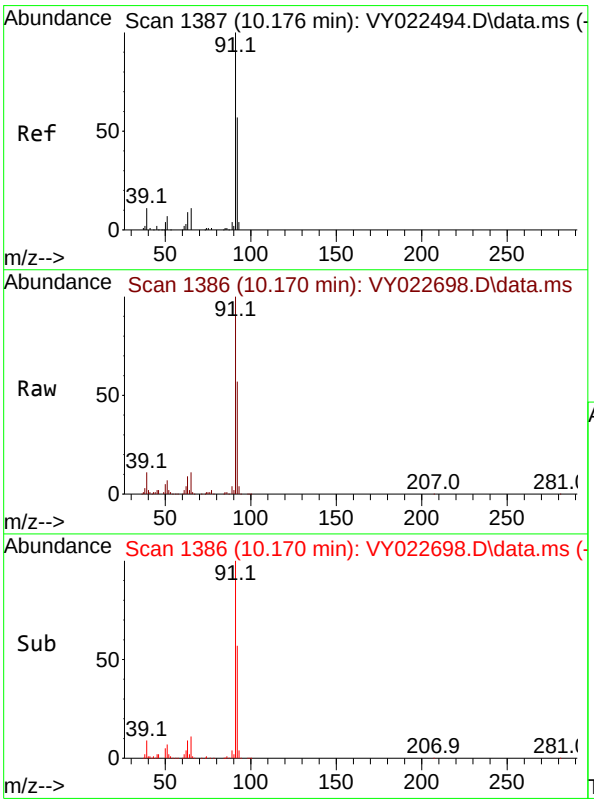
Ion	Ratio	Lower	Upper
43	100		
58	39.5	30.4	45.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

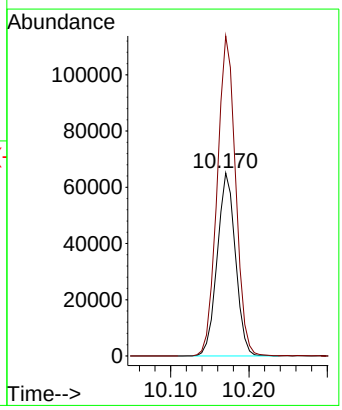


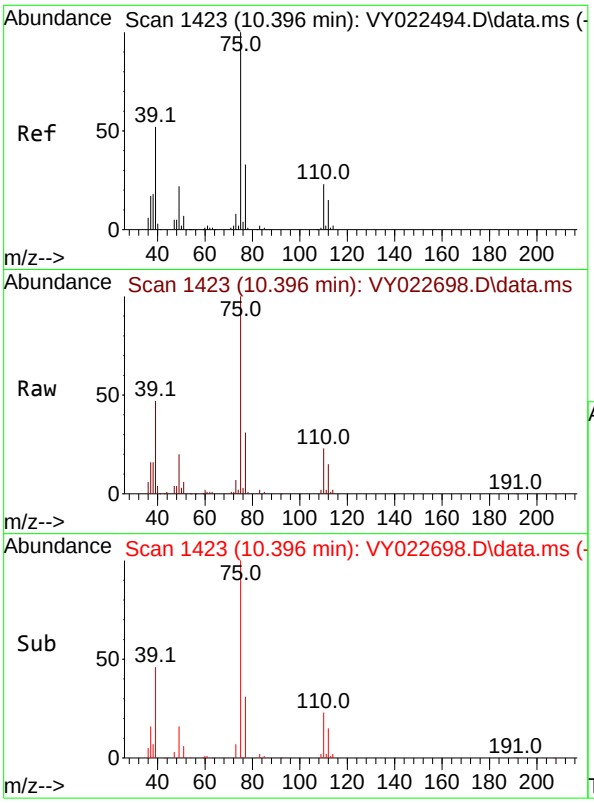


#52
Toluene
Concen: 22.165 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 92 Resp: 105337

Ion	Ratio	Lower	Upper
92	100		
91	177.2	139.0	208.4





#53
t-1,3-Dichloropropene
Concen: 22.135 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

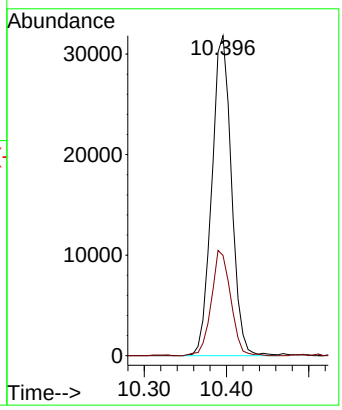
Tgt Ion: 75 Resp: 5287

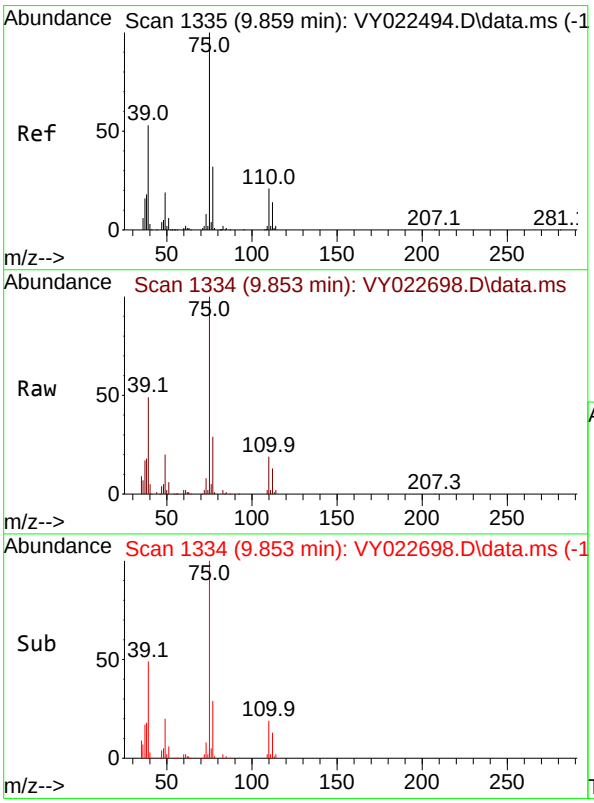
Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.5	39.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

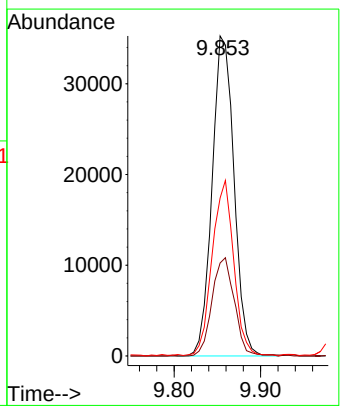


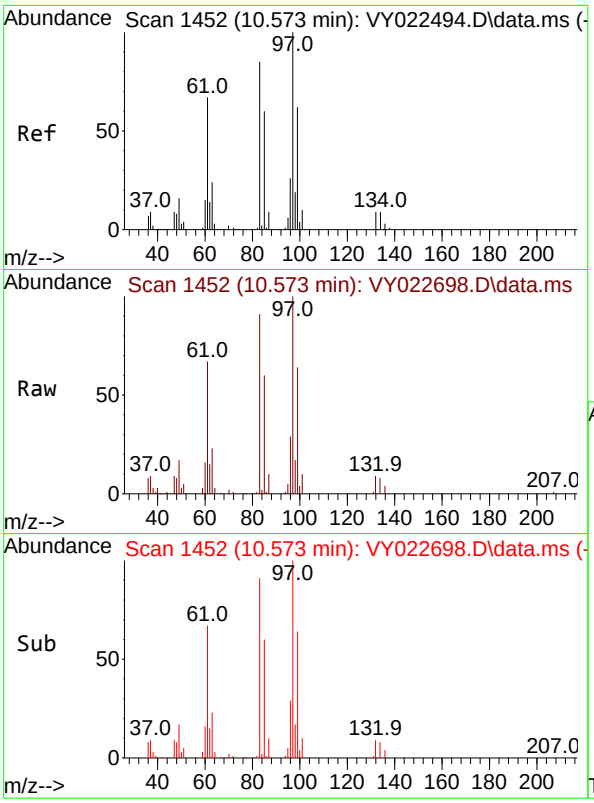


#54
cis-1,3-Dichloropropene
Concen: 22.295 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 75 Resp: 61997

Ion	Ratio	Lower	Upper
75	100		
77	29.0	25.3	37.9
39	49.3	42.7	64.1

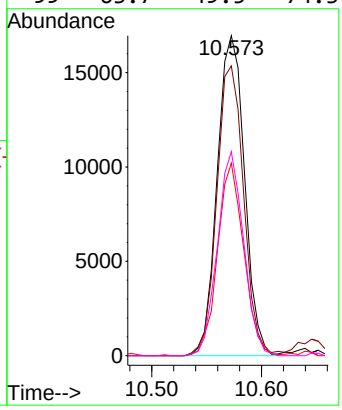




#55
1,1,2-Trichloroethane
Concen: 22.865 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 97 Resp: 2931

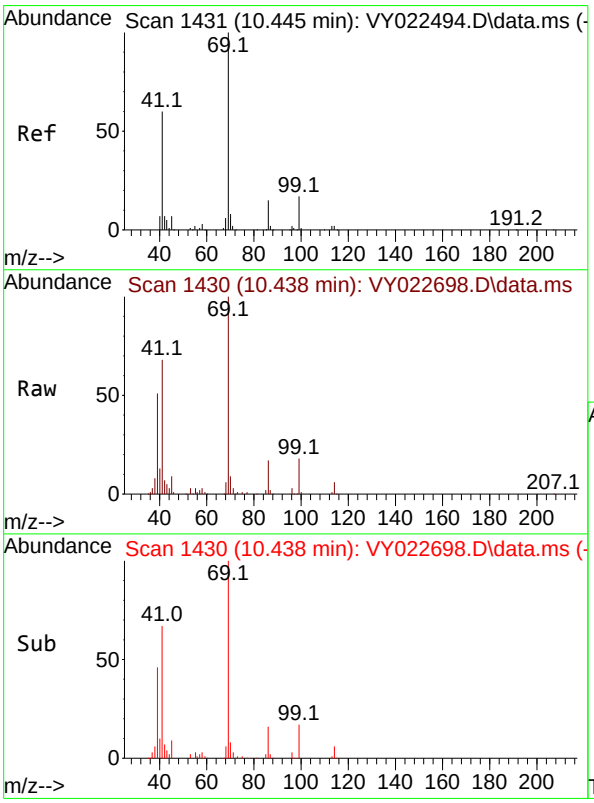
Ion	Ratio	Lower	Upper
97	100		
83	90.6	68.1	102.1
85	60.2	48.2	72.2
99	63.7	49.5	74.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

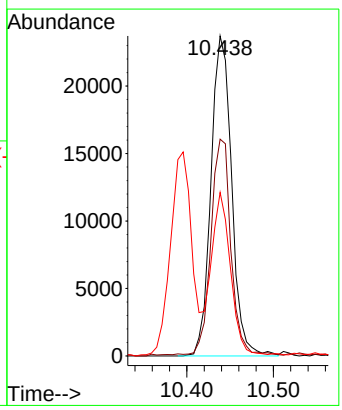
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

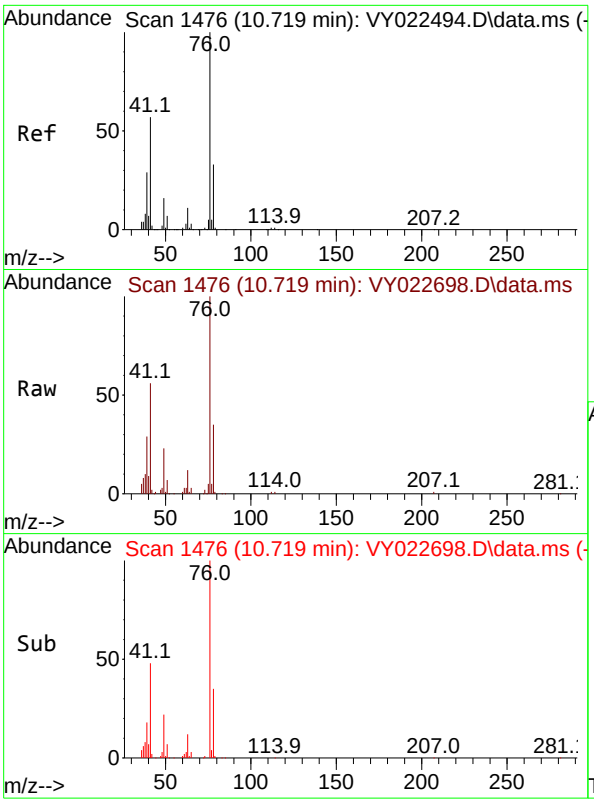


#56
Ethyl methacrylate
Concen: 21.236 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 69 Resp: 39351

Ion	Ratio	Lower	Upper
69	100		
41	65.3	52.2	78.2
39	48.2	36.7	55.1





#57
1,3-Dichloropropane
Concen: 22.406 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

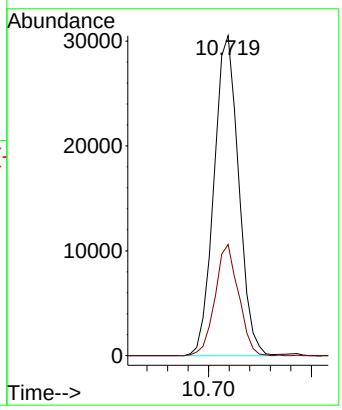
Tgt Ion: 76 Resp: 5091

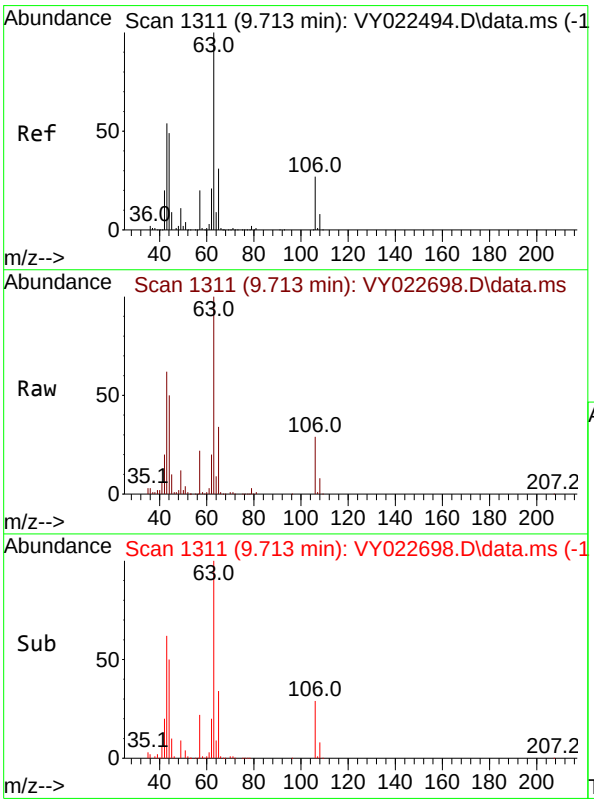
Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

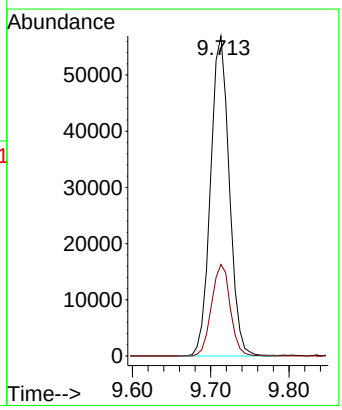


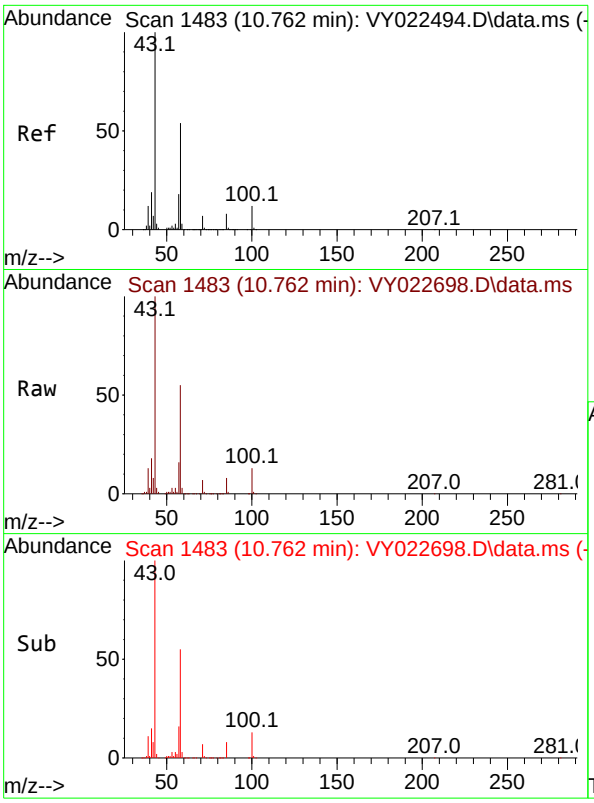


#58
2-Chloroethyl Vinyl ether
Concen: 112.411 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 63 Resp: 94575

Ion	Ratio	Lower	Upper
63	100		
106	28.5	21.6	32.4





#59
2-Hexanone
Concen: 109.691 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

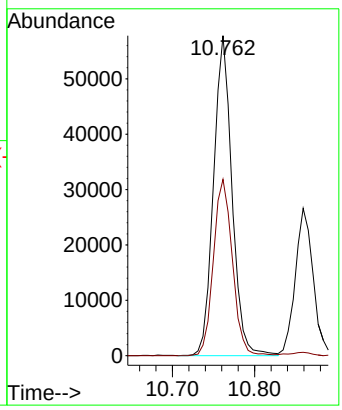
Tgt Ion: 43 Resp: 9019

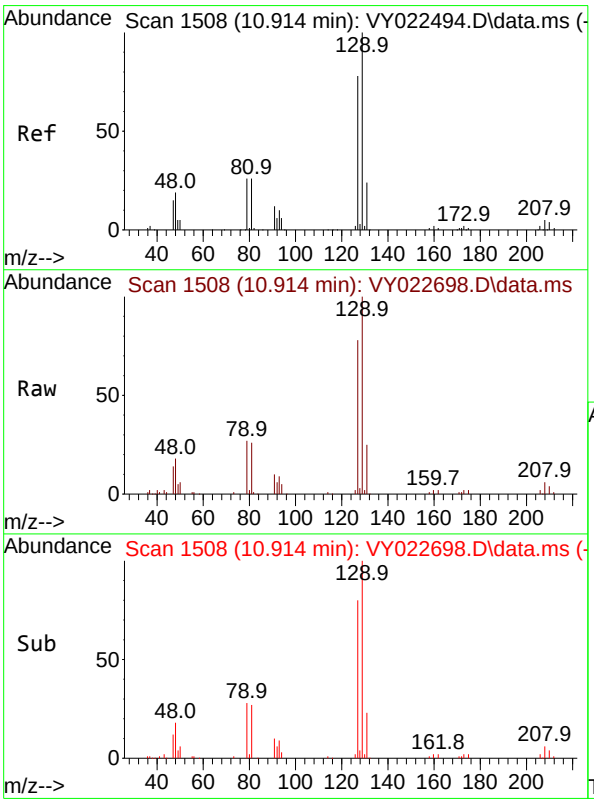
Ion	Ratio	Lower	Upper
43	100		
58	56.5	27.3	81.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

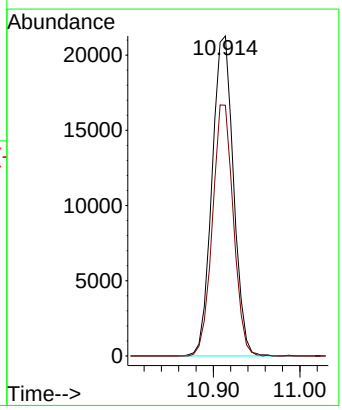


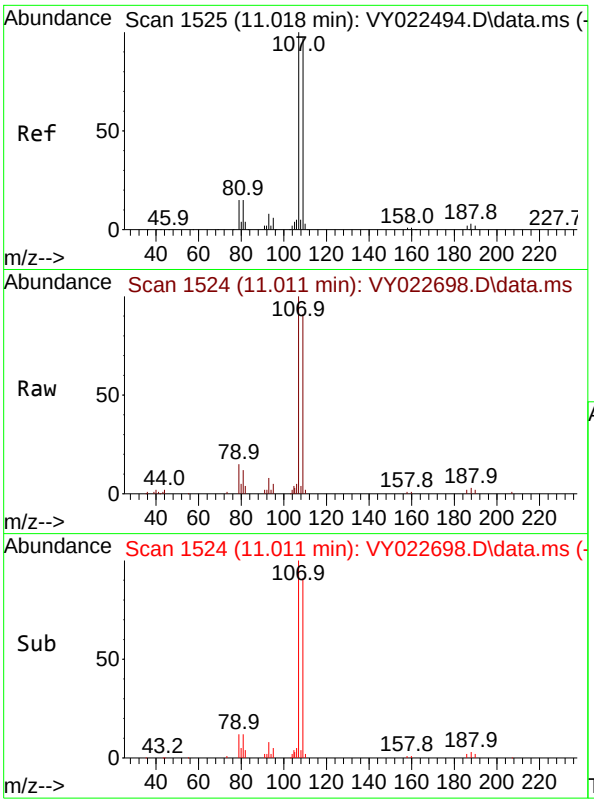


#60
Dibromochloromethane
Concen: 22.448 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:129 Resp: 36576

Ion	Ratio	Lower	Upper
129	100		
127	76.5	39.1	117.2

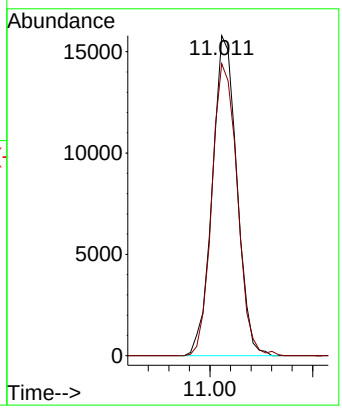




#61
1,2-Dibromoethane
Concen: 22.333 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:107 Resp: 2609

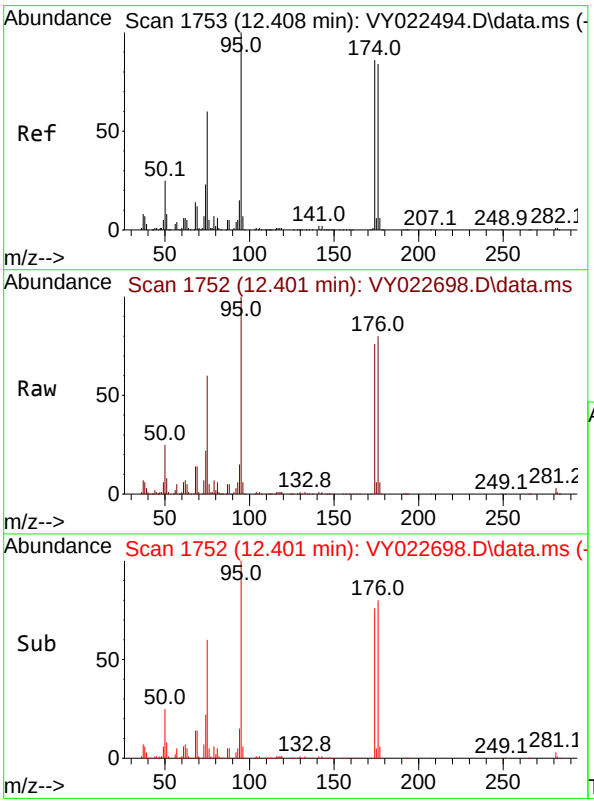
Ion	Ratio	Lower	Upper
107	100		
109	94.6	77.7	116.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

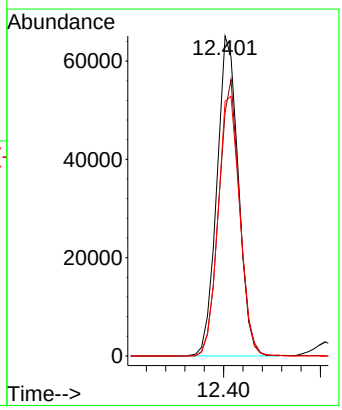
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

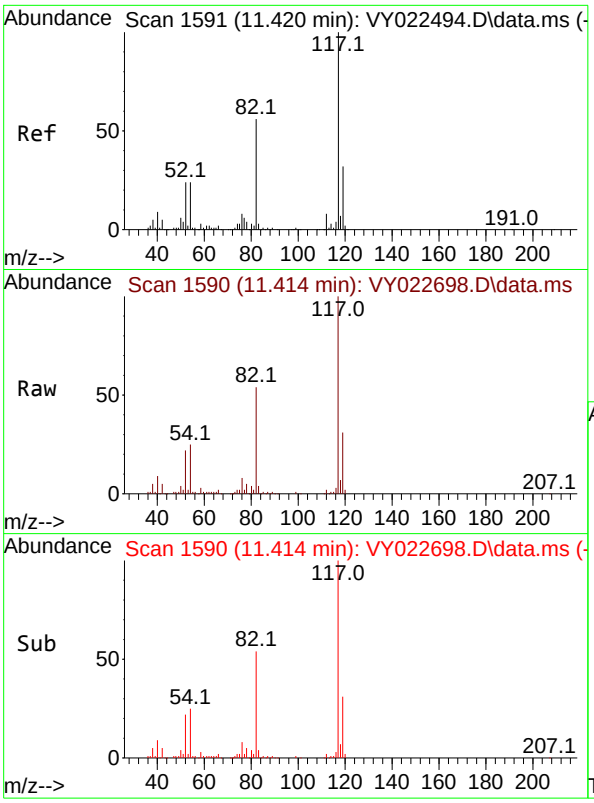


#62
4-Bromofluorobenzene
Concen: 52.730 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 95 Resp: 100147

Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	170.0
176	82.7	0.0	166.2

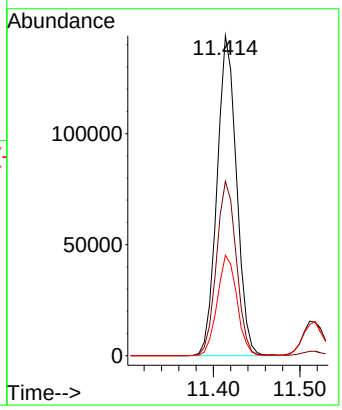




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:117 Resp: 22580

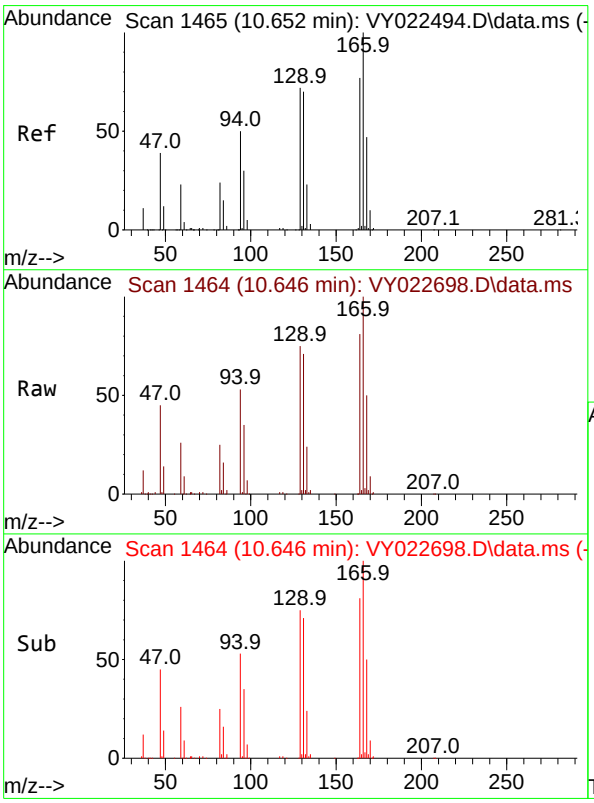
Ion	Ratio	Lower	Upper
117	100		
82	54.5	44.6	66.8
119	31.4	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

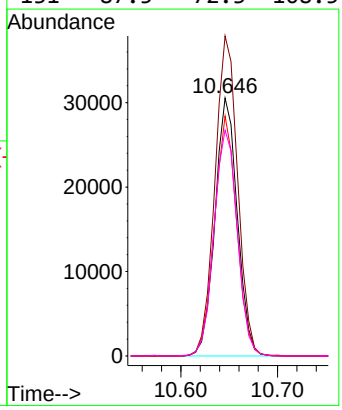
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

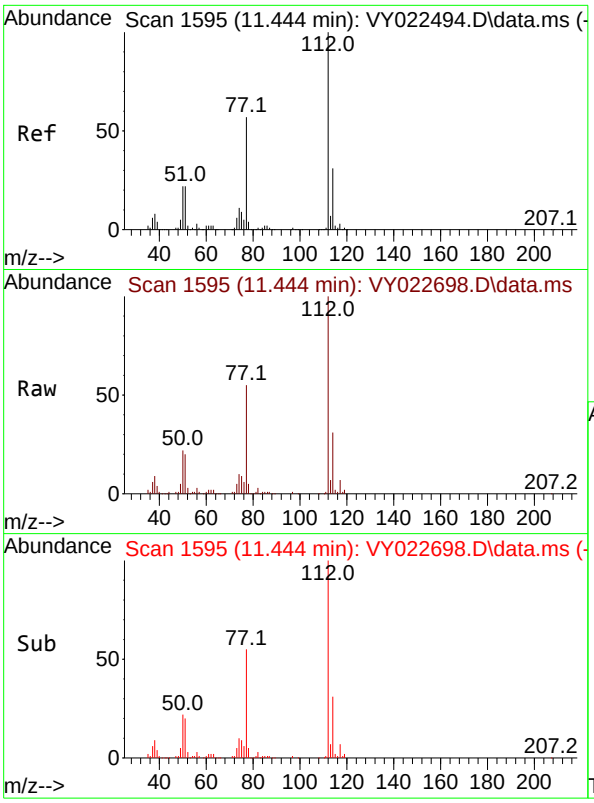


#64
Tetrachloroethene
Concen: 25.208 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:164 Resp: 48965

Ion	Ratio	Lower	Upper
164	100		
166	124.0	104.0	156.0
129	93.0	74.5	111.7
131	87.5	72.3	108.5

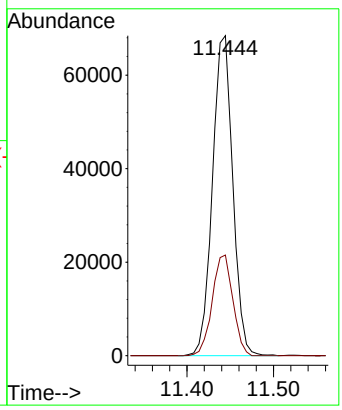




#65
Chlorobenzene
Concen: 22.294 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:112 Resp: 11140

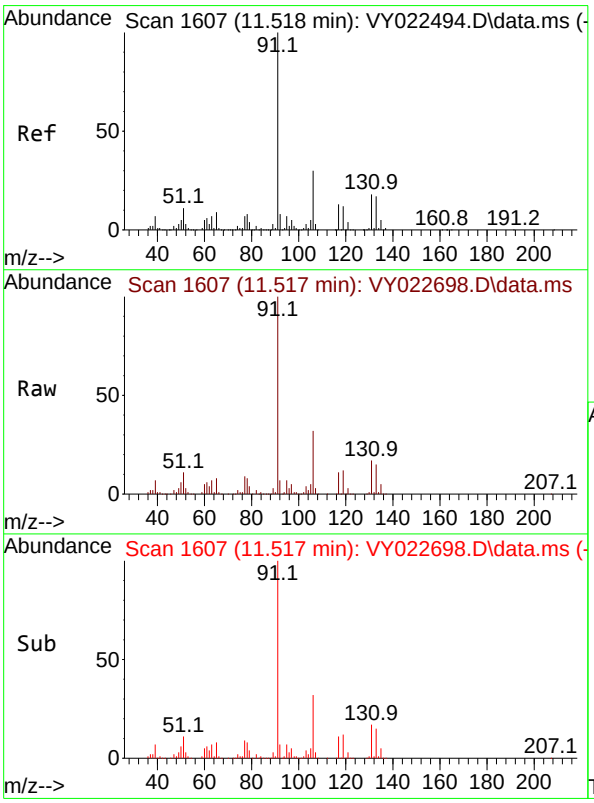
Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

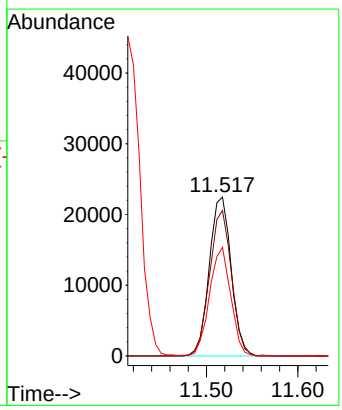
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

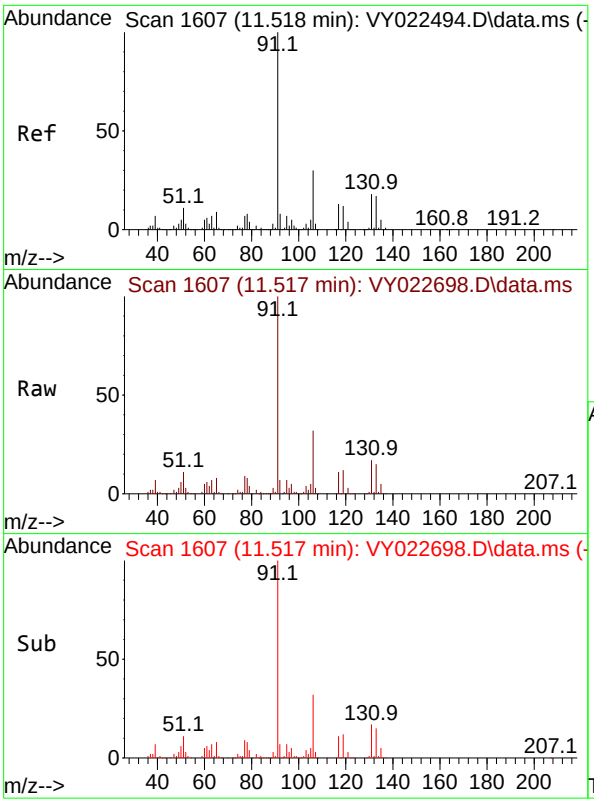


#66
1,1,1,2-Tetrachloroethane
Concen: 22.180 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:131 Resp: 37335

Ion	Ratio	Lower	Upper
131	100		
133	92.0	47.3	141.8
119	66.3	33.1	99.3

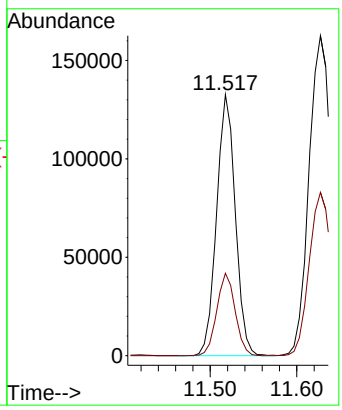




#67
Ethyl Benzene
Concen: 21.495 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 91 Resp: 19921

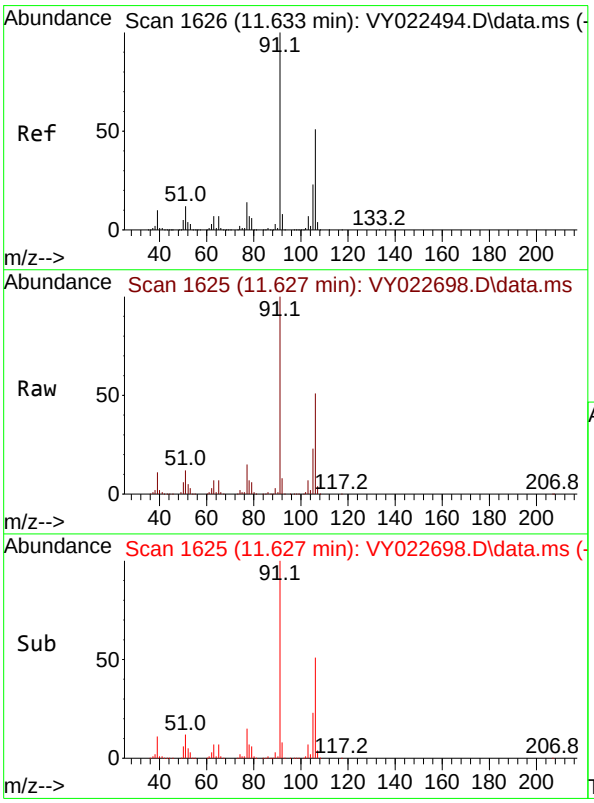
Ion	Ratio	Lower	Upper
91	100		
106	31.6	24.2	36.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

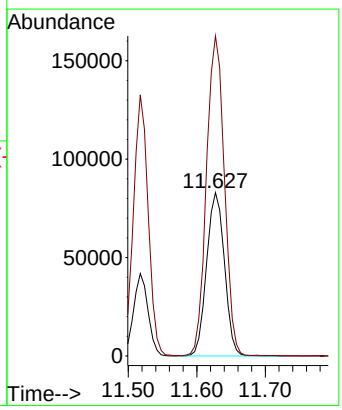
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

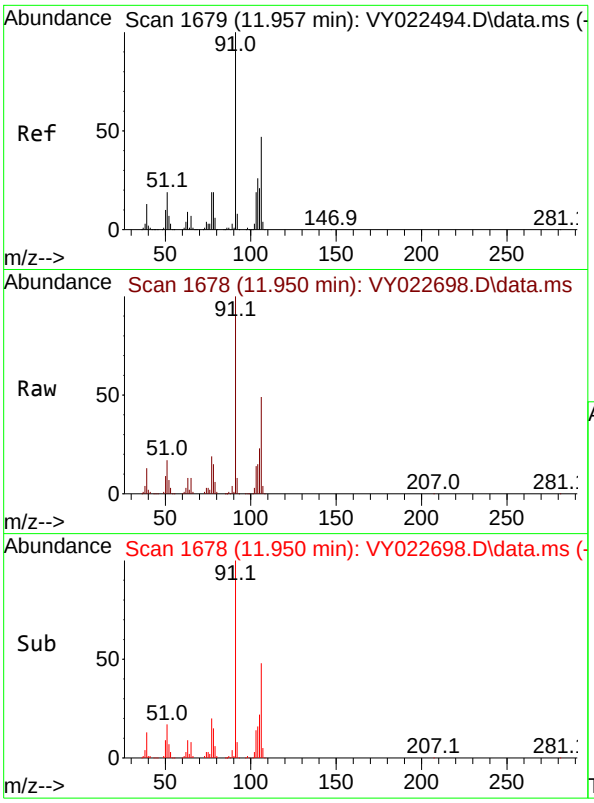


#68
m/p-Xylenes
Concen: 42.651 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:106 Resp: 149850

Ion	Ratio	Lower	Upper
106	100		
91	196.9	159.4	239.0

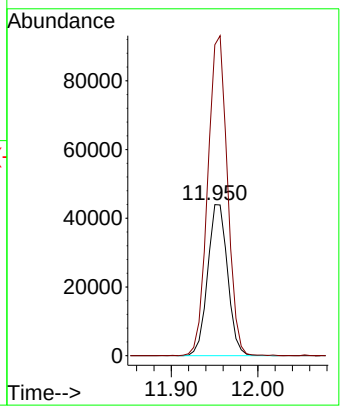




#69
o-Xylene
Concen: 21.293 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:106 Resp: 7014

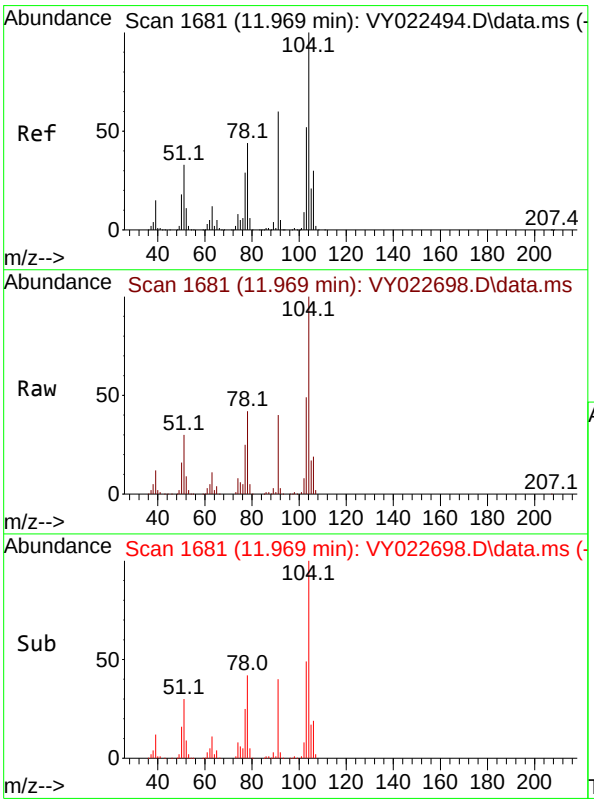
Ion	Ratio	Lower	Upper
106	100		
91	209.3	105.8	317.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

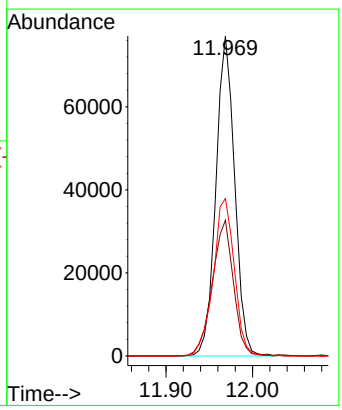
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

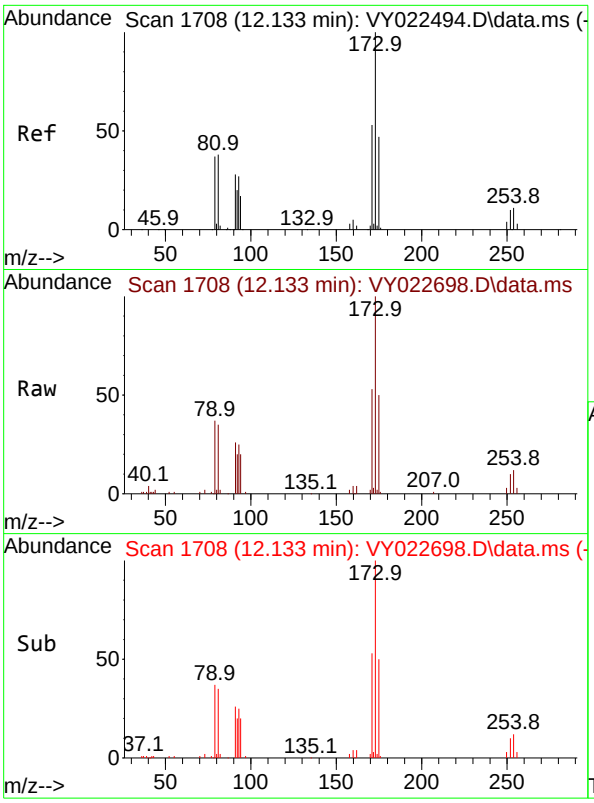


#70
Styrene
Concen: 21.301 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:104 Resp: 115987

Ion	Ratio	Lower	Upper
104	100		
78	47.9	39.5	59.3
103	55.3	44.1	66.1

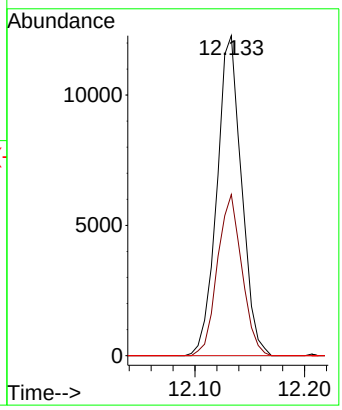




#71
Bromoform
Concen: 21.390 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:173 Resp: 1916

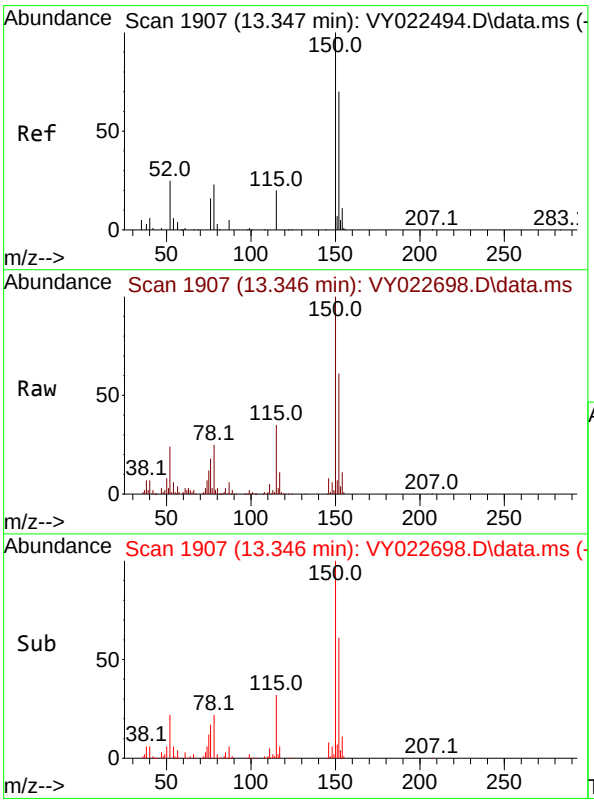
Ion	Ratio	Lower	Upper
173	100		
175	50.0	23.8	71.5
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

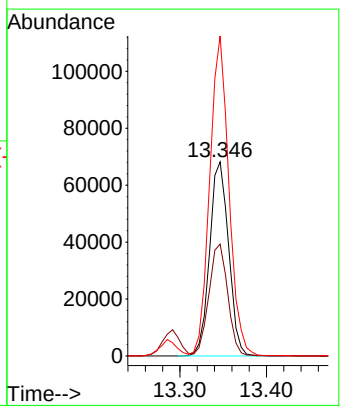
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

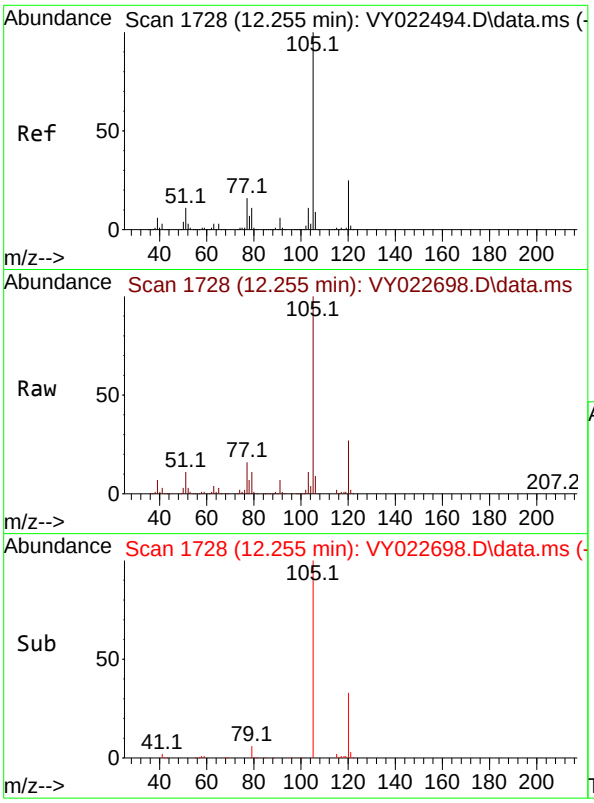


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:152 Resp: 103858

Ion	Ratio	Lower	Upper
152	100		
115	57.2	28.9	86.7
150	166.4	0.0	349.6

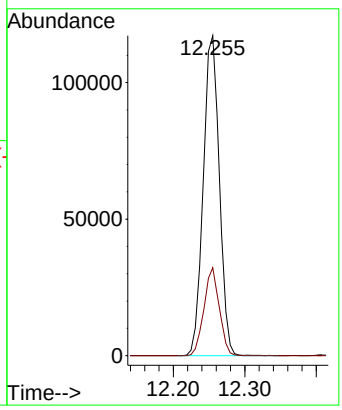




#73
Isopropylbenzene
Concen: 21.442 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:105 Resp: 18283

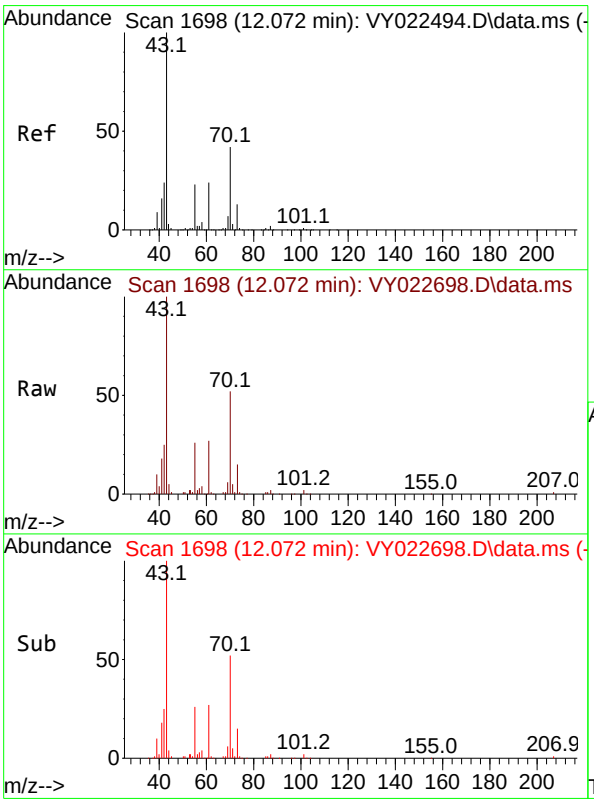
Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.0	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

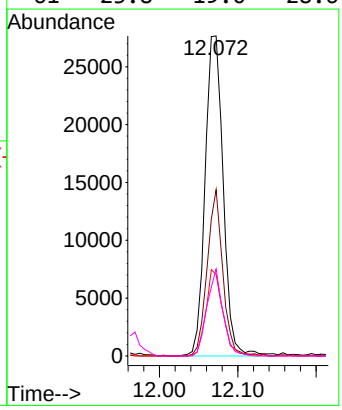
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

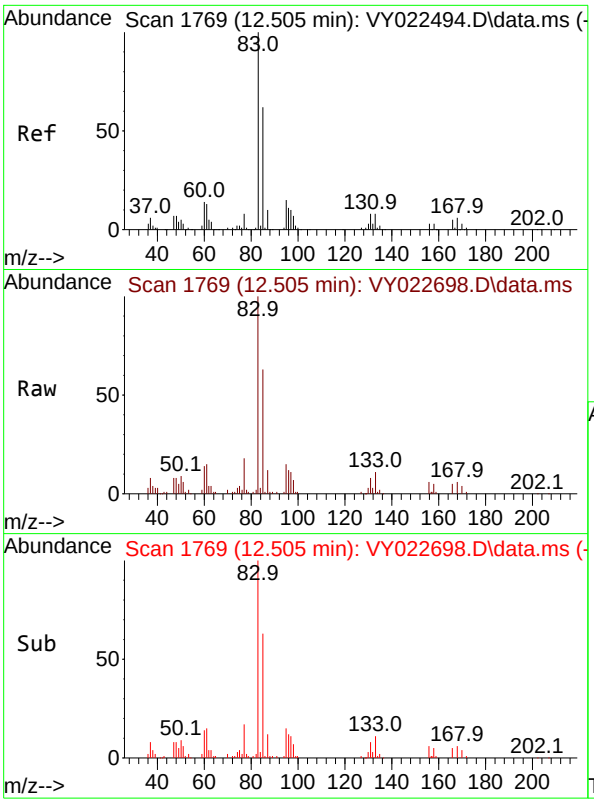


#74
N-amyl acetate
Concen: 20.642 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 43 Resp: 44410

Ion	Ratio	Lower	Upper
43	100		
70	44.4	34.2	51.2
55	25.3	18.2	27.4
61	23.8	19.0	28.6





#75
1,1,2,2-Tetrachloroethane
Concen: 21.374 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

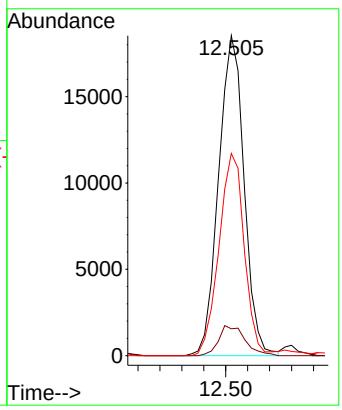
Tgt Ion: 83 Resp: 2991

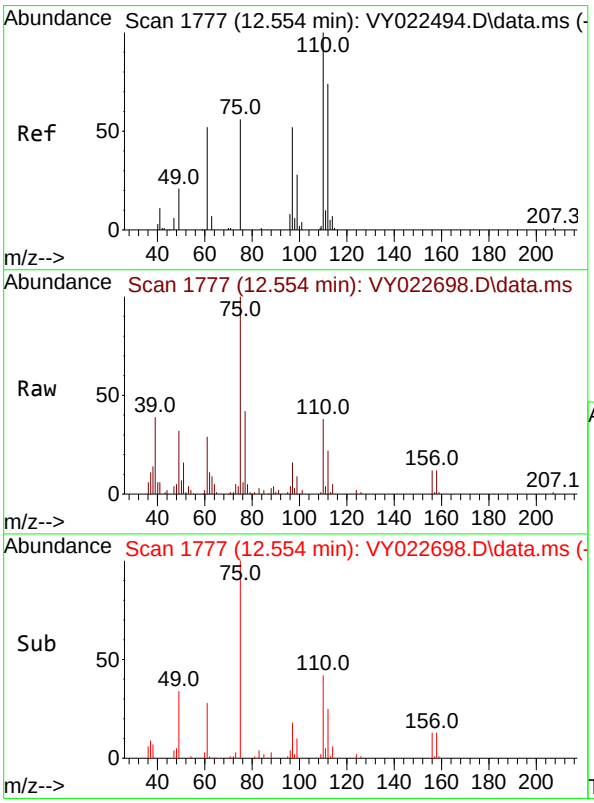
Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.9	14.7
85	62.6	32.6	97.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

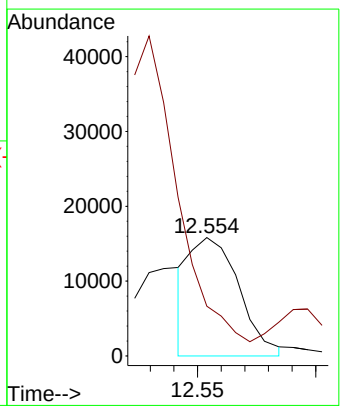


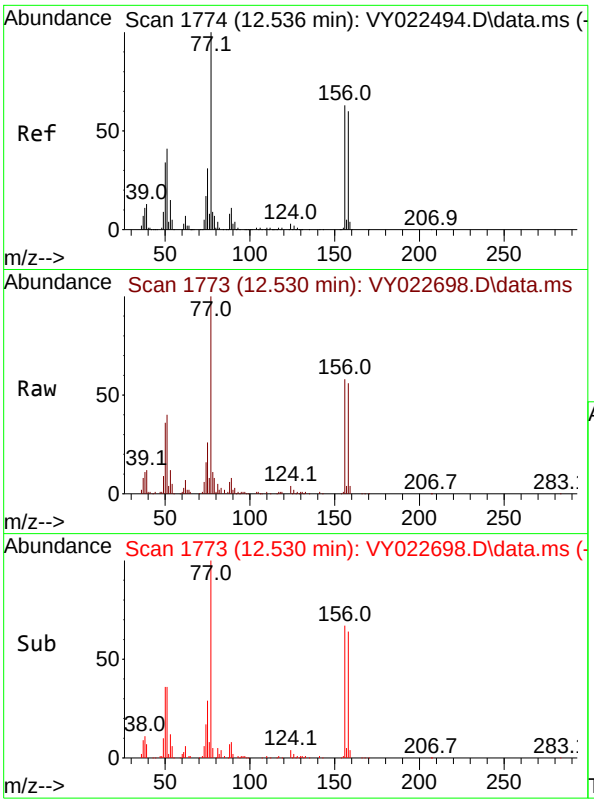


#76
1,2,3-Trichloropropane
Concen: 19.491 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 75 Resp: 23159

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

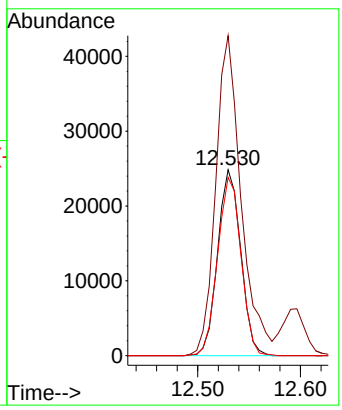




#77
Bromobenzene
Concen: 21.523 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:156 Resp: 3872

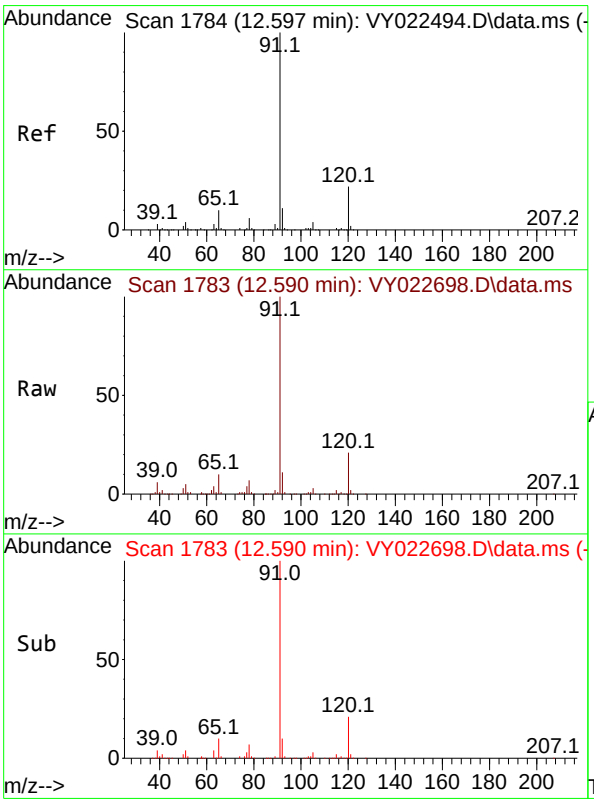
Ion	Ratio	Lower	Upper
156	100		
77	189.4	94.0	282.1
158	97.3	48.2	144.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

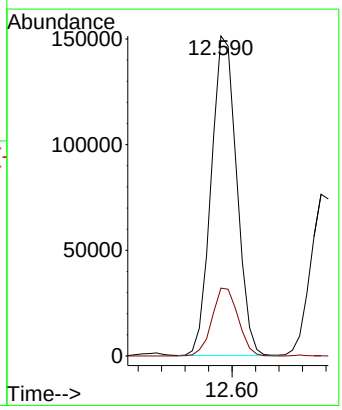
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

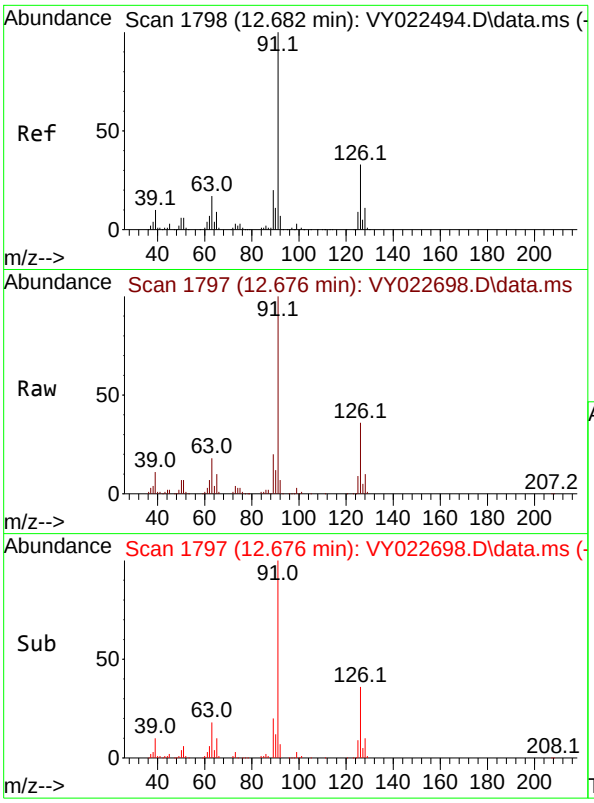


#78
n-propylbenzene
Concen: 21.829 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 91 Resp: 227339

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.8	32.4

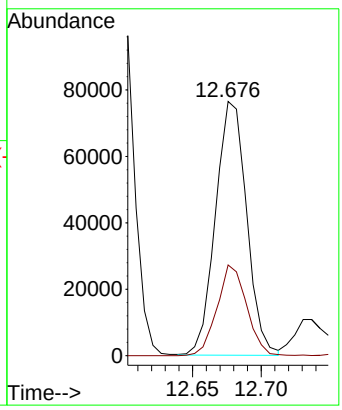




#79
2-Chlorotoluene
Concen: 21.925 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 91 Resp: 12102

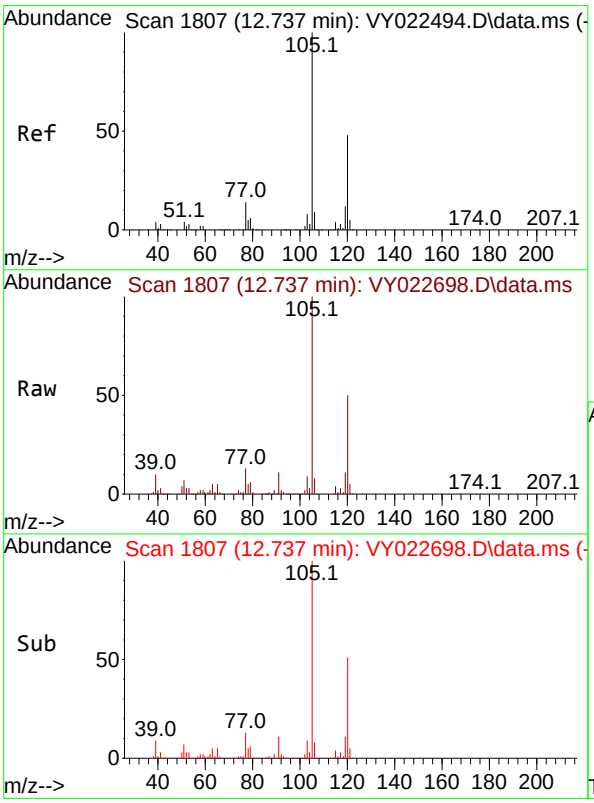
Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.0	51.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

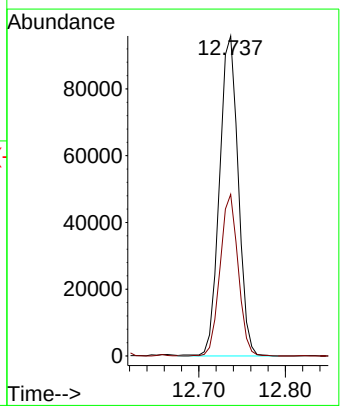
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

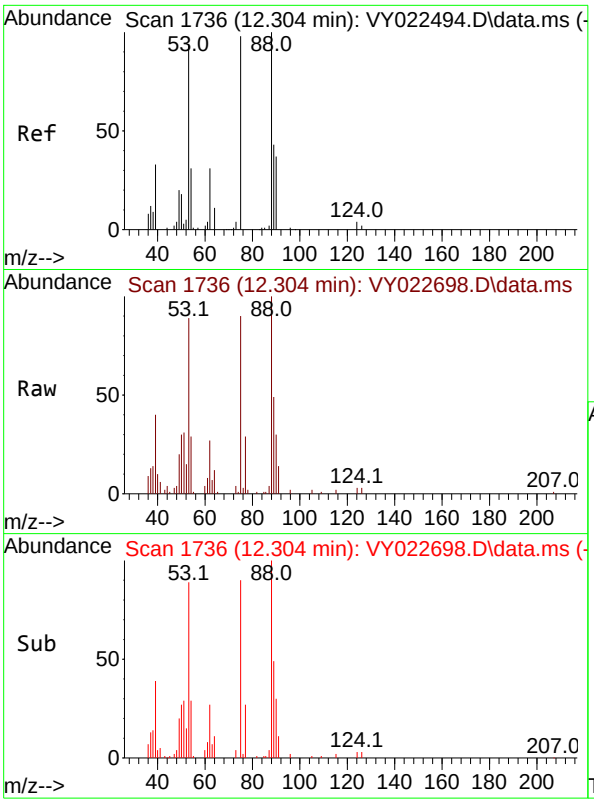


#80
1,3,5-Trimethylbenzene
Concen: 21.460 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:105 Resp: 143657

Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.1	72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 20.154 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

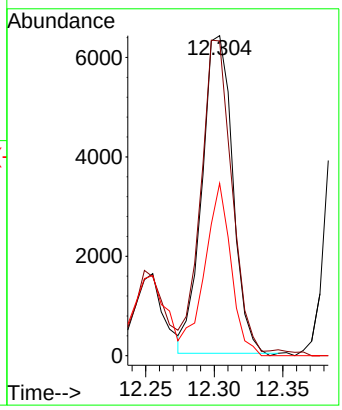
Tgt Ion: 75 Resp: 991

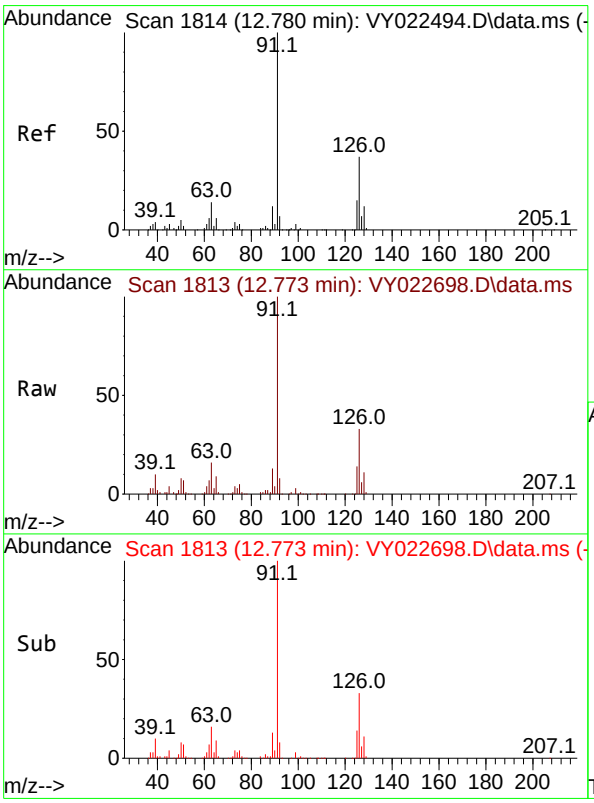
Ion	Ratio	Lower	Upper
75	100		
53	98.3	78.5	117.7
89	47.0	35.7	53.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

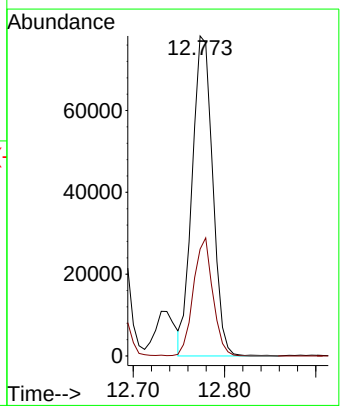


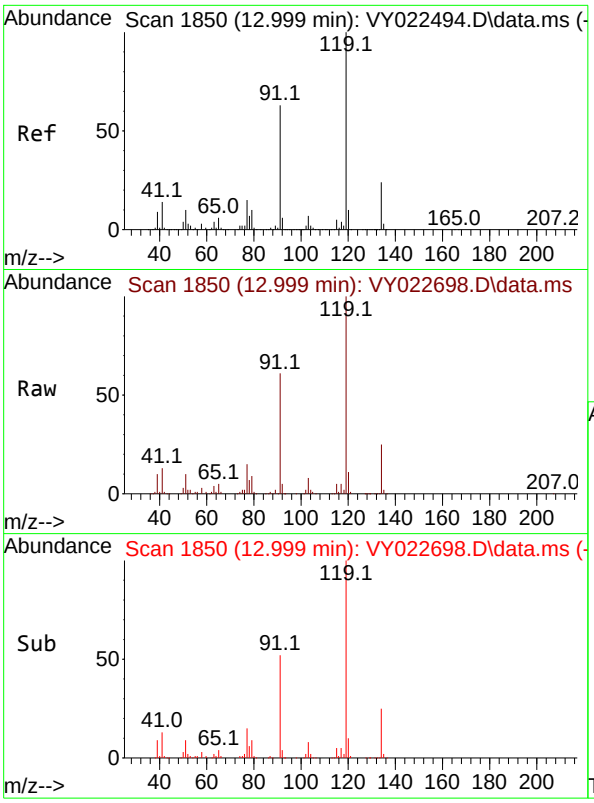


#82
4-Chlorotoluene
Concen: 21.433 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 91 Resp: 122042

Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.0	50.9





#83
tert-Butylbenzene
Concen: 21.693 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

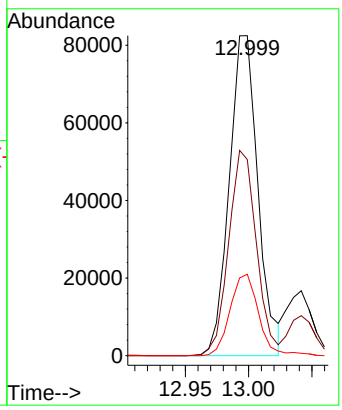
Tgt Ion:119 Resp: 13033

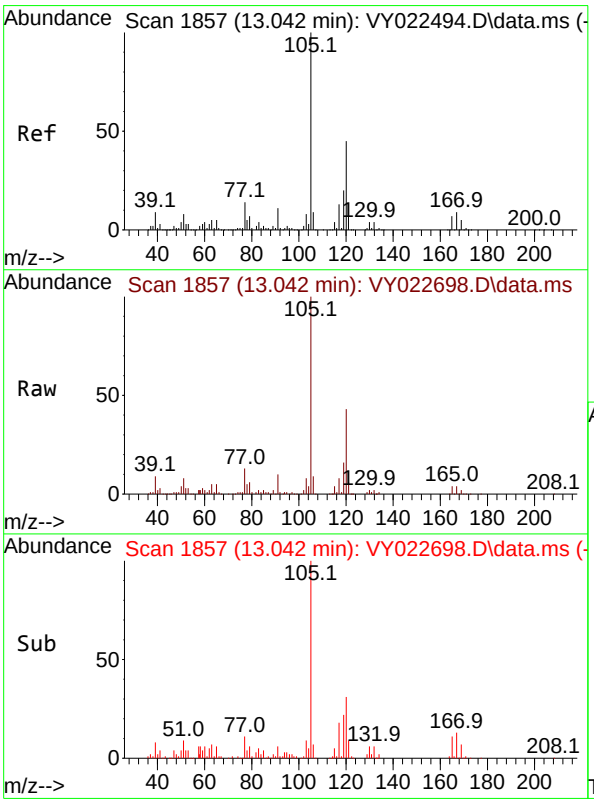
Ion	Ratio	Lower	Upper
119	100		
91	62.2	32.1	96.3
134	25.4	13.0	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

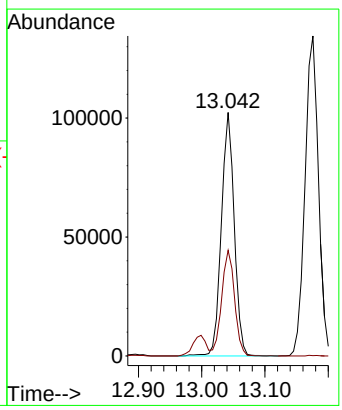


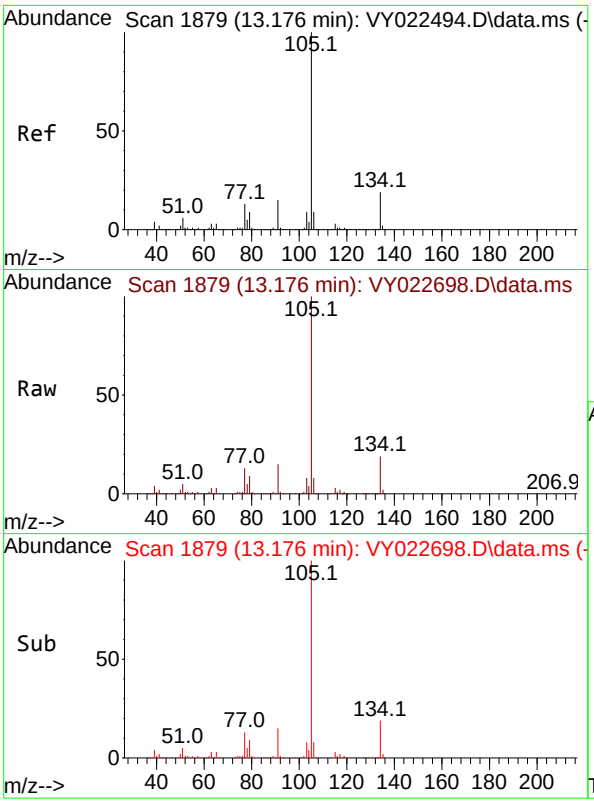


#84
1,2,4-Trimethylbenzene
Concen: 21.517 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:105 Resp: 144066

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.7	68.1





#85
sec-Butylbenzene
Concen: 21.517 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

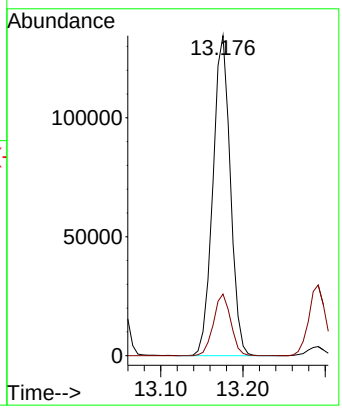
Tgt Ion:105 Resp: 19799

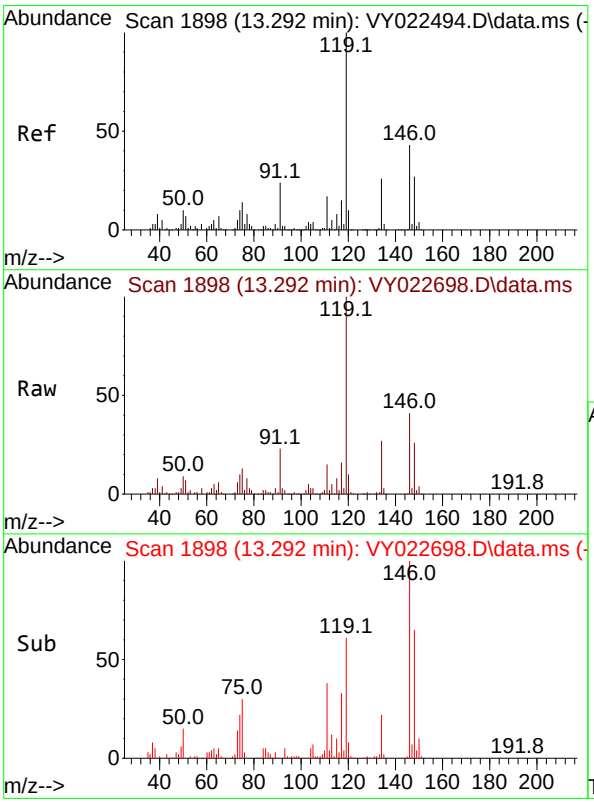
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	28.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

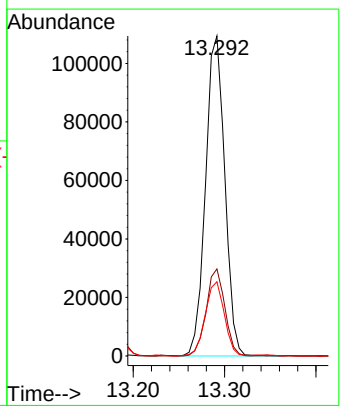


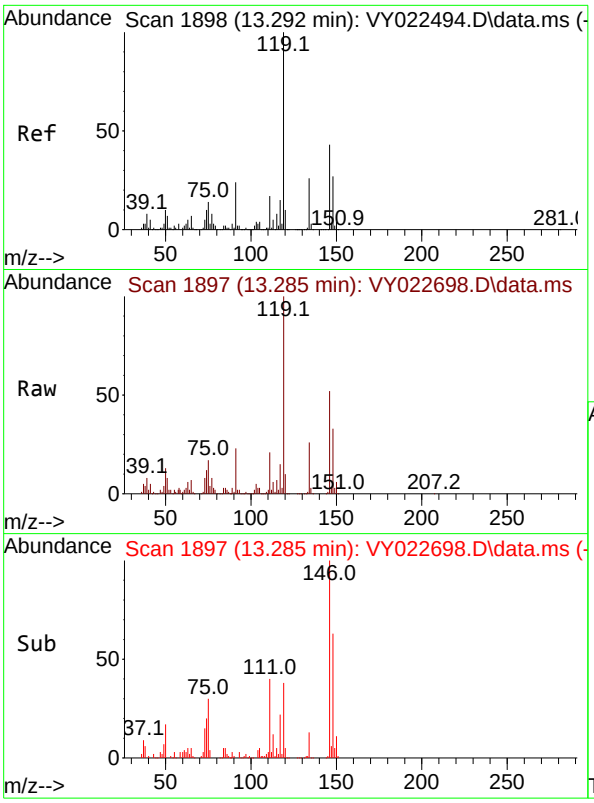


#86
p-Isopropyltoluene
Concen: 21.033 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:119 Resp: 159529

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.1
91	23.1	11.6	34.8

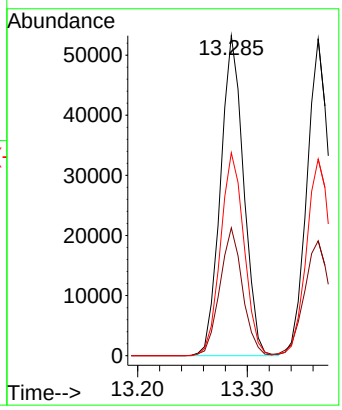




#87
1,3-Dichlorobenzene
Concen: 21.411 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:146 Resp: 7805

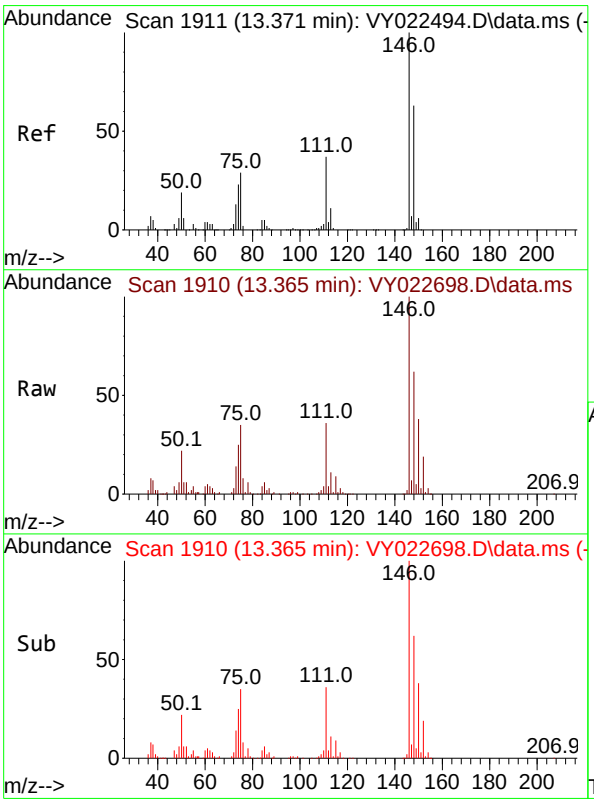
Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.1	60.2
148	64.4	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

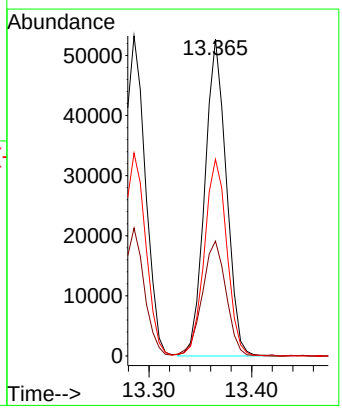
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

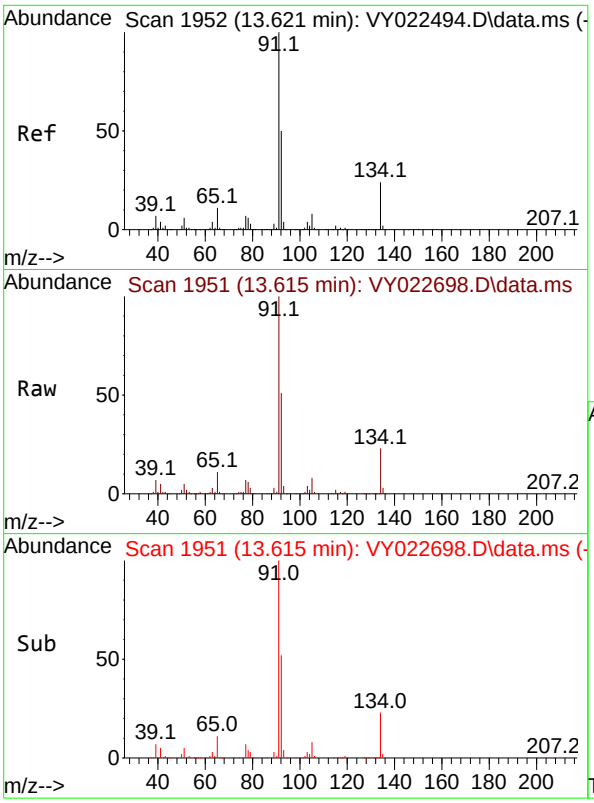


#88
1,4-Dichlorobenzene
Concen: 21.754 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:146 Resp: 76921

Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.4	58.2
148	64.9	31.6	94.8

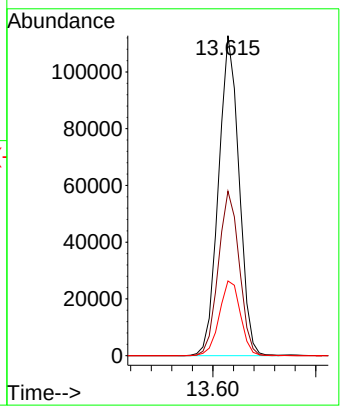




#89
n-Butylbenzene
Concen: 21.719 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 91 Resp: 15629

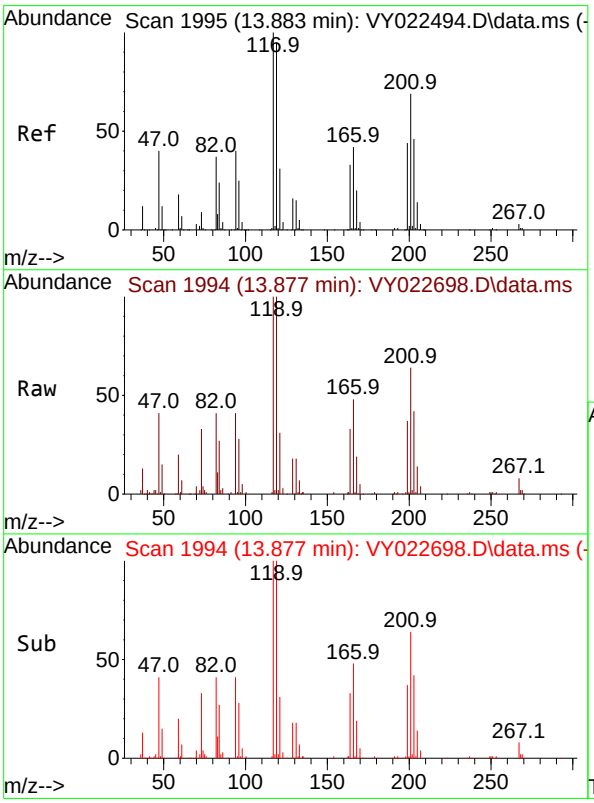
Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.9	77.8
134	24.0	12.0	36.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

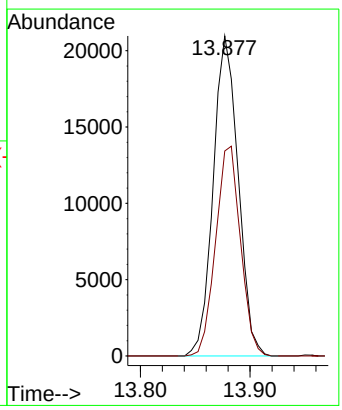
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

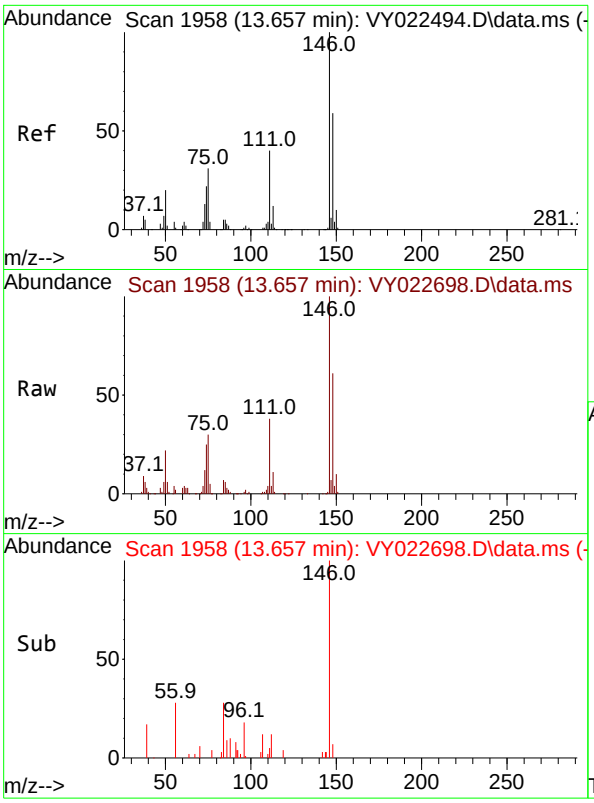


#90
Hexachloroethane
Concen: 22.476 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:117 Resp: 33188

Ion	Ratio	Lower	Upper
117	100		
201	65.2	34.0	102.0

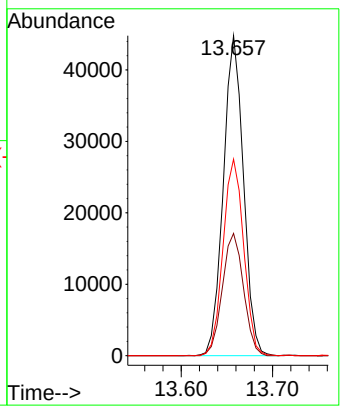




#91
1,2-Dichlorobenzene
Concen: 22.152 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:146 Resp: 6856

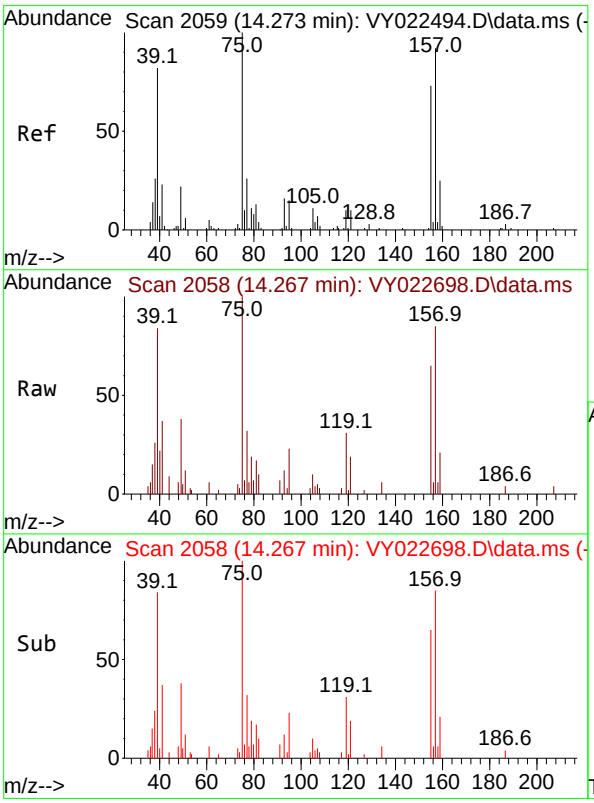
Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.2	60.6
148	63.0	31.4	94.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

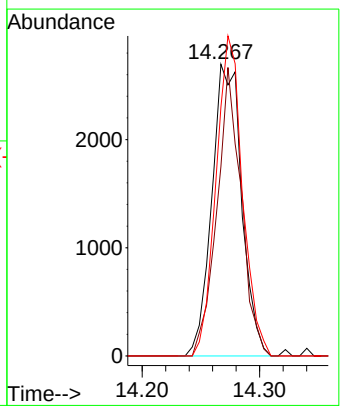
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

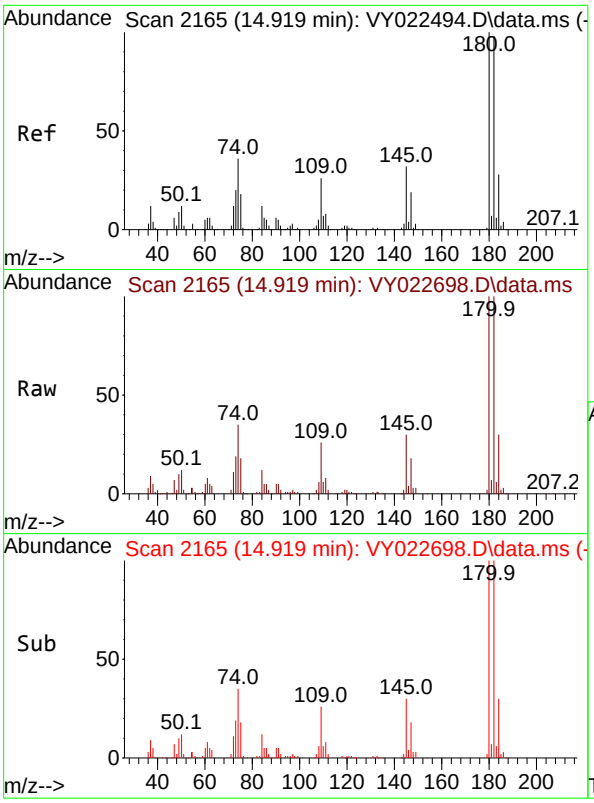


#92
1,2-Dibromo-3-Chloropropane
Concen: 23.322 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 75 Resp: 4752

Ion	Ratio	Lower	Upper
75	100		
155	80.3	39.9	119.6
157	97.4	54.0	162.0

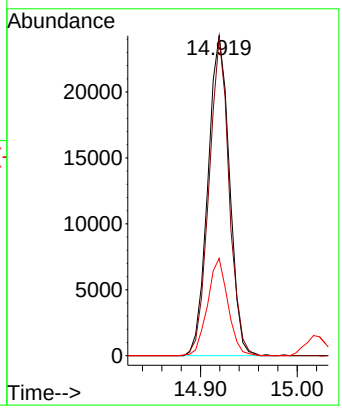




#93
1,2,4-Trichlorobenzene
Concen: 22.226 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:180 Resp: 3752

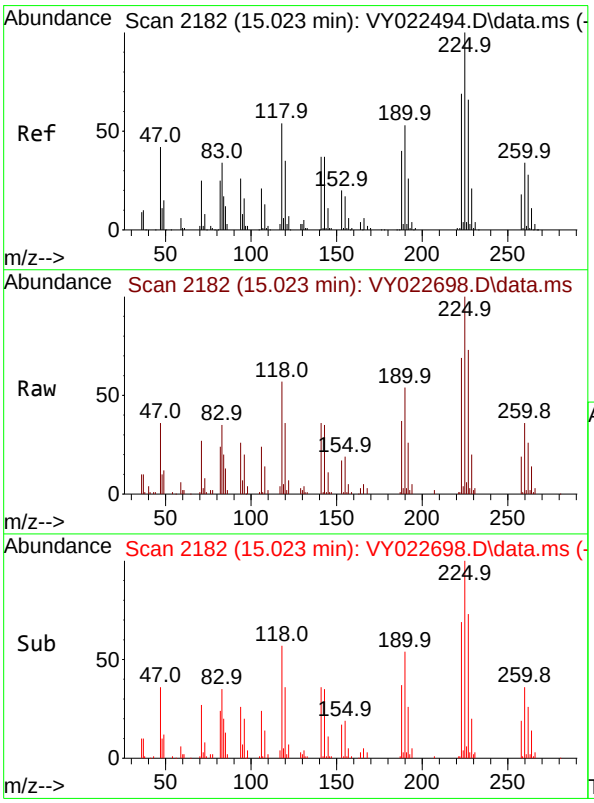
Ion	Ratio	Lower	Upper
180	100		
182	92.8	48.4	145.3
145	28.9	15.5	46.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

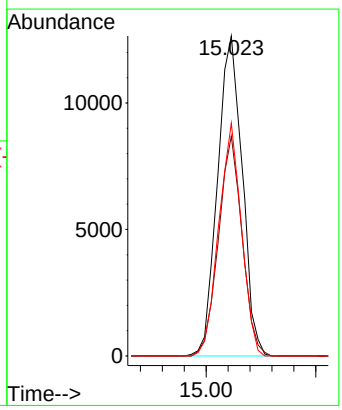
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

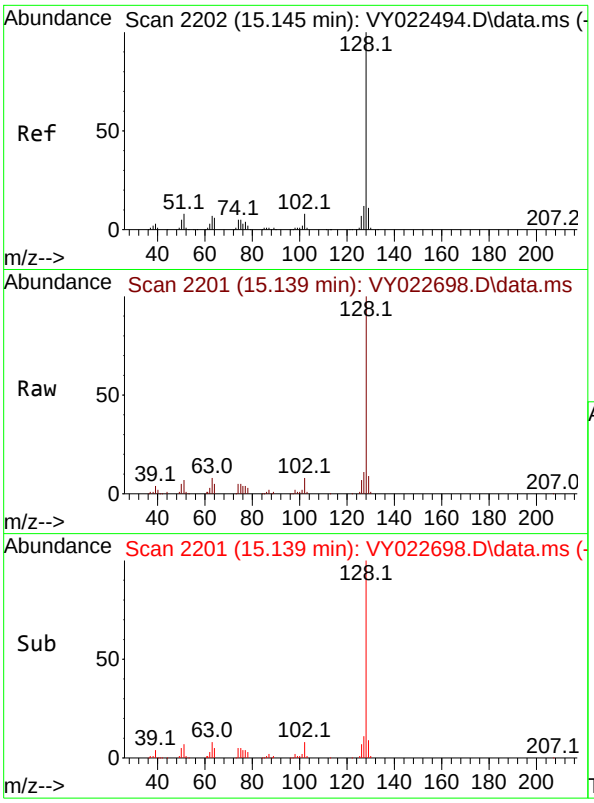


#94
Hexachlorobutadiene
Concen: 21.206 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:225 Resp: 19759

Ion	Ratio	Lower	Upper
225	100		
223	65.6	32.5	97.4
227	67.1	32.3	96.9

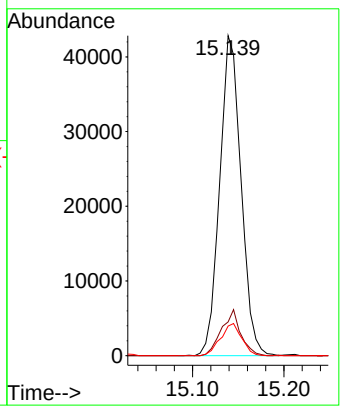




#95
Naphthalene
Concen: 21.469 ug/l
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:128 Resp: 6954

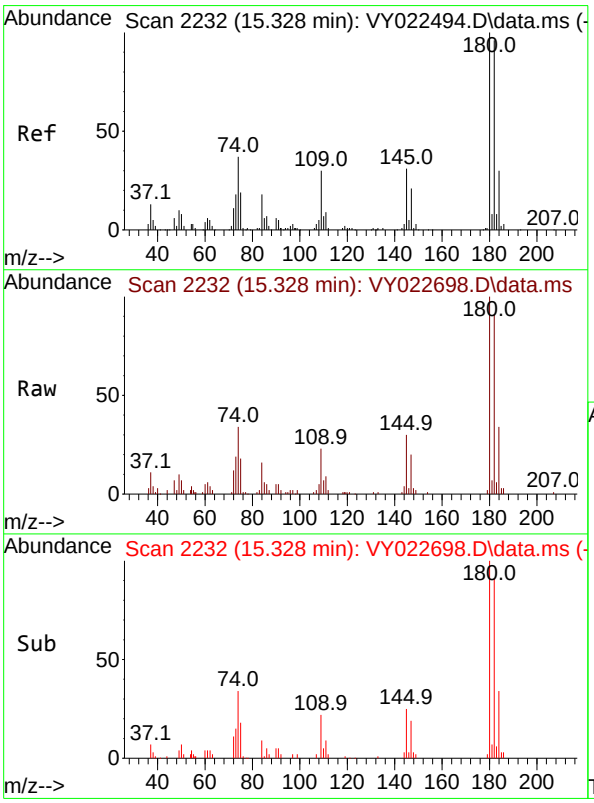
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.0	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Manual Integrations
APPROVED

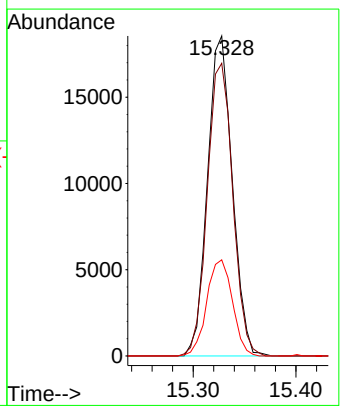
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#96
1,2,3-Trichlorobenzene
Concen: 21.486 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:180 Resp: 31085

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.1	141.3
145	31.1	15.2	45.6



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

Manual Integration Report

Sequence:	vn060625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN086862.D	1,1,2-Trichlorotrifluoroethane	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	1,4-Dichlorobenzene	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	2-Hexanone	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	N-amyl acetate	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC005	VN086863.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:13 AM	MMDadoda	6/9/2025 1:13:19 PM	Peak Integrated by Software
VSTDICC005	VN086863.D	N-amyl acetate	JOHN	6/9/2025 8:02:13 AM	MMDadoda	6/9/2025 1:13:19 PM	Peak Integrated by Software
VSTDICC020	VN086864.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:19 AM	MMDadoda	6/9/2025 1:13:21 PM	Peak Integrated by Software
VSTDICCC050	VN086865.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:25 AM	MMDadoda	6/9/2025 1:13:23 PM	Peak Integrated by Software
VSTDICC100	VN086866.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:29 AM	MMDadoda	6/9/2025 1:13:28 PM	Peak Integrated by Software
VSTDICC150	VN086867.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:34 AM	MMDadoda	6/9/2025 1:13:30 PM	Peak Integrated by Software
VSTDICV050	VN086869.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:38 AM	MMDadoda	6/9/2025 1:13:34 PM	Peak Integrated by Software
VSTDCCC050	VN086886.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:55 AM	MMDadoda	6/9/2025 1:13:44 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn060625	Instrument	MSVOA_n

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:	vn061325	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086996.D	1,2,3-Trichloropropane	JOHN	6/16/2025 8:56:42 AM	MMDadoda	6/16/2025 5:03:30 PM	Peak Integrated by Software
VN0613WBS01	VN087000.D	1,2,3-Trichloropropane	JOHN	6/16/2025 8:56:46 AM	MMDadoda	6/16/2025 5:03:31 PM	Peak Integrated by Software
VN0613WBSD01	VN087001.D	1,2,3-Trichloropropane	JOHN	6/16/2025 8:56:50 AM	MMDadoda	6/16/2025 5:03:32 PM	Peak Integrated by Software
VSTDCCC050	VN087015.D	1,2,3-Trichloropropane	JOHN	6/16/2025 9:02:23 AM	MMDadoda	6/16/2025 5:03:39 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vy060225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY022491.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:25 AM	MMDadoda	6/3/2025 2:38:13 PM	Peak Integrated by Software
VSTDICC005	VY022491.D	1,4-Dioxane	SAM	6/3/2025 8:26:25 AM	MMDadoda	6/3/2025 2:38:13 PM	Peak Integrated by Software
VSTDICC005	VY022491.D	Ethyl Acetate	SAM	6/3/2025 8:26:25 AM	MMDadoda	6/3/2025 2:38:13 PM	Peak Integrated by Software
VSTDICC010	VY022492.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:30 AM	MMDadoda	6/3/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC010	VY022492.D	Dibromomethane	SAM	6/3/2025 8:26:30 AM	MMDadoda	6/3/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC010	VY022492.D	Methacrylonitrile	SAM	6/3/2025 8:26:30 AM	MMDadoda	6/3/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC020	VY022493.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:28:00 AM	MMDadoda	6/3/2025 2:38:17 PM	Peak Integrated by Software
VSTDICCC050	VY022494.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:28:05 AM	MMDadoda	6/3/2025 2:38:19 PM	Peak Integrated by Software
VSTDICC100	VY022495.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:35 AM	MMDadoda	6/3/2025 2:38:20 PM	Peak Integrated by Software
VSTDICC100	VY022495.D	Methacrylonitrile	SAM	6/3/2025 8:26:35 AM	MMDadoda	6/3/2025 2:38:20 PM	Peak Integrated by Software
VSTDICC150	VY022496.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:28:09 AM	MMDadoda	6/3/2025 2:38:22 PM	Peak Integrated by Software
VSTDICV050	VY022498.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:42 AM	MMDadoda	6/3/2025 2:38:25 PM	Peak Integrated by Software
VSTDCCC050	VY022509.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:27:00 AM	MMDadoda	6/3/2025 2:38:29 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vy060225	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:	VY061625	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022695.D	1,2,3-Trichloropropane	Sam	6/17/2025 3:59:54 PM	MMDadoda	6/17/2025 4:09:32 PM	Peak Integrated by Software
VSTDCCC050	VY022695.D	Methacrylonitrile	Sam	6/17/2025 3:59:54 PM	MMDadoda	6/17/2025 4:09:32 PM	Peak Integrated by Software
VY0616SBS01	VY022697.D	1,2,3-Trichloropropane	Sam	6/17/2025 3:59:57 PM	MMDadoda	6/17/2025 4:09:33 PM	Peak Integrated by Software
VY0616SBSD01	VY022698.D	1,2,3-Trichloropropane	Sam	6/17/2025 3:59:57 PM	MMDadoda	6/17/2025 4:09:35 PM	Peak Integrated by Software
VSTDCCC050	VY022710.D	1,2,3-Trichloropropane	Sam	6/17/2025 4:00:04 PM	MMDadoda	6/17/2025 4:09:42 PM	Peak Integrated by Software
VSTDCCC050	VY022710.D	Methyl methacrylate	Sam	6/17/2025 4:00:04 PM	MMDadoda	6/17/2025 4:09:42 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086861.D	06 Jun 2025 07:59	JC\MD	Ok
2	VSTDICC001	VN086862.D	06 Jun 2025 12:44	JC\MD	Ok,M
3	VSTDICC005	VN086863.D	06 Jun 2025 13:17	JC\MD	Ok,M
4	VSTDICC020	VN086864.D	06 Jun 2025 13:40	JC\MD	Ok,M
5	VSTDICCC050	VN086865.D	06 Jun 2025 14:03	JC\MD	Ok,M
6	VSTDICC100	VN086866.D	06 Jun 2025 14:26	JC\MD	Ok,M
7	VSTDICC150	VN086867.D	06 Jun 2025 14:49	JC\MD	Ok,M
8	IBLK	VN086868.D	06 Jun 2025 15:12	JC\MD	Ok
9	VSTDICV050	VN086869.D	06 Jun 2025 15:54	JC\MD	Ok,M
10	VN0606WBL01	VN086870.D	06 Jun 2025 16:47	JC\MD	Ok
11	VN0606WBL02	VN086871.D	06 Jun 2025 17:10	JC\MD	Ok
12	VN0606WBS01	VN086872.D	06 Jun 2025 17:33	JC\MD	Ok,M
13	VN0606WBSD01	VN086873.D	06 Jun 2025 17:56	JC\MD	Ok,M
14	Q2254-01	VN086874.D	06 Jun 2025 18:19	JC\MD	Not Ok
15	Q2237-02	VN086875.D	06 Jun 2025 18:42	JC\MD	Ok
16	Q2216-02	VN086876.D	06 Jun 2025 19:05	JC\MD	Ok
17	Q2216-03	VN086877.D	06 Jun 2025 19:28	JC\MD	Ok
18	Q2216-04	VN086878.D	06 Jun 2025 19:51	JC\MD	Ok
19	Q2216-05	VN086879.D	06 Jun 2025 20:13	JC\MD	Not Ok
20	Q2216-06	VN086880.D	06 Jun 2025 20:36	JC\MD	Not Ok
21	Q2206-04	VN086881.D	06 Jun 2025 20:59	JC\MD	Not Ok

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2242-04	VN086882.D	06 Jun 2025 21:21	JC\MD	Not Ok
23	Q2192-01	VN086883.D	06 Jun 2025 21:44	JC\MD	Not Ok
24	Q2198-02	VN086884.D	06 Jun 2025 22:07	JC\MD	Not Ok
25	Q2198-04	VN086885.D	06 Jun 2025 22:29	JC\MD	Not Ok
26	VSTDCCC050	VN086886.D	06 Jun 2025 22:52	JC\MD	Not Ok

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN061325

Review By	John Carlone	Review On	6/16/2025 9:41:28 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/16/2025 5:03:41 PM		
SubDirectory	VN061325	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134329
Initial Calibration Stds	
CCC	VP134330,VP134331
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086995.D	13 Jun 2025 10:26	JC\MD	Ok
2	VSTDCCC050	VN086996.D	13 Jun 2025 12:52	JC\MD	Ok,M
3	VN0613MBL01	VN086997.D	13 Jun 2025 13:26	JC\MD	Ok
4	VN0613WBL01	VN086998.D	13 Jun 2025 13:47	JC\MD	Ok
5	Q2282-04	VN086999.D	13 Jun 2025 14:10	JC\MD	Ok
6	VN0613WBS01	VN087000.D	13 Jun 2025 14:32	JC\MD	Ok,M
7	VN0613WBSD01	VN087001.D	13 Jun 2025 15:06	JC\MD	Ok,M
8	Q2314-06	VN087002.D	13 Jun 2025 15:28	JC\MD	Ok
9	Q2314-01	VN087003.D	13 Jun 2025 15:50	JC\MD	Ok
10	Q2314-05	VN087004.D	13 Jun 2025 16:12	JC\MD	ReRun
11	Q2314-04	VN087005.D	13 Jun 2025 16:34	JC\MD	Ok
12	Q2314-02	VN087006.D	13 Jun 2025 16:56	JC\MD	Ok
13	Q2314-05	VN087007.D	13 Jun 2025 17:18	JC\MD	Ok
14	IBLK	VN087008.D	13 Jun 2025 17:40	JC\MD	Ok
15	IBLK	VN087009.D	13 Jun 2025 18:02	JC\MD	Ok
16	Q2268-03DL	VN087010.D	13 Jun 2025 18:24	JC\MD	Ok
17	Q2268-06DL	VN087011.D	13 Jun 2025 18:46	JC\MD	Ok,M
18	Q2268-07DL	VN087012.D	13 Jun 2025 19:07	JC\MD	ReRun
19	Q2268-08DL	VN087013.D	13 Jun 2025 19:29	JC\MD	ReRun
20	Q2302-01RE	VN087014.D	13 Jun 2025 19:51	JC\MD	Confirms
21	VSTDCCC050	VN087015.D	13 Jun 2025 20:13	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM				
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M		

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022488.D	02 Jun 2025 08:31	SY/MD	Ok
2	VSTDCCC050	VY022489.D	02 Jun 2025 09:08	SY/MD	Not Ok
3	VY0602SBL01	VY022490.D	02 Jun 2025 10:38	SY/MD	Not Ok
4	VSTDICC005	VY022491.D	02 Jun 2025 11:46	SY/MD	Ok,M
5	VSTDICC010	VY022492.D	02 Jun 2025 12:09	SY/MD	Ok,M
6	VSTDICC020	VY022493.D	02 Jun 2025 12:32	SY/MD	Ok,M
7	VSTDICCC050	VY022494.D	02 Jun 2025 12:54	SY/MD	Ok,M
8	VSTDICC100	VY022495.D	02 Jun 2025 13:17	SY/MD	Ok,M
9	VSTDICC150	VY022496.D	02 Jun 2025 13:39	SY/MD	Ok,M
10	VIBLK	VY022497.D	02 Jun 2025 14:03	SY/MD	Ok
11	VSTDICV050	VY022498.D	02 Jun 2025 14:59	SY/MD	Ok,M
12	VY0602SBL02	VY022499.D	02 Jun 2025 16:00	SY/MD	Ok
13	VY0602SBS01	VY022500.D	02 Jun 2025 16:24	SY/MD	Ok,M
14	VY0602SBSD01	VY022501.D	02 Jun 2025 16:47	SY/MD	Ok,M
15	Q2160-02	VY022502.D	02 Jun 2025 17:10	SY/MD	Ok
16	Q2152-01	VY022503.D	02 Jun 2025 17:34	SY/MD	Not Ok
17	Q2153-01RE	VY022504.D	02 Jun 2025 17:57	SY/MD	Confirms
18	Q2147-02	VY022505.D	02 Jun 2025 18:21	SY/MD	Not Ok
19	Q2150-02	VY022506.D	02 Jun 2025 18:44	SY/MD	Ok
20	Q2150-05RE	VY022507.D	02 Jun 2025 19:08	SY/MD	Confirms
21	Q2161-01	VY022508.D	02 Jun 2025 19:31	SY/MD	Ok

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM				
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M		

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VY022509.D	02 Jun 2025 19:54	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY061625

Review By	Semsettin Yesilyurt	Review On	6/17/2025 4:00:42 PM				
Supervise By	Mahesh Dadoda	Supervise On	6/17/2025 4:09:50 PM				
SubDirectory	VY061625	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134372
Initial Calibration Stds	
CCC	VP134373,VP134374
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022694.D	16 Jun 2025 07:59	SY/MD	Ok
2	VSTDCCC050	VY022695.D	16 Jun 2025 08:31	SY/MD	Ok,M
3	VY0616SBL01	VY022696.D	16 Jun 2025 09:40	SY/MD	Ok
4	VY0616SBS01	VY022697.D	16 Jun 2025 10:12	SY/MD	Ok,M
5	VY0616SBSD01	VY022698.D	16 Jun 2025 10:34	SY/MD	Ok,M
6	Q2328-01	VY022699.D	16 Jun 2025 11:22	SY/MD	Ok,M
7	Q2322-01	VY022700.D	16 Jun 2025 11:46	SY/MD	ReRun
8	Q2314-08	VY022701.D	16 Jun 2025 12:09	SY/MD	Ok
9	Q2324-01	VY022702.D	16 Jun 2025 12:33	SY/MD	Not Ok
10	Q2323-01	VY022703.D	16 Jun 2025 12:56	SY/MD	Ok
11	Q2312-03	VY022704.D	16 Jun 2025 14:12	SY/MD	Ok
12	Q2319-03	VY022705.D	16 Jun 2025 14:36	SY/MD	Ok,M
13	Q2305-01RE	VY022706.D	16 Jun 2025 14:59	SY/MD	Confirms
14	Q2325-03	VY022707.D	16 Jun 2025 15:22	SY/MD	Ok
15	Q2328-01RE	VY022708.D	16 Jun 2025 15:46	SY/MD	Not Ok
16	VIBLK	VY022709.D	16 Jun 2025 16:09	SY/MD	Ok
17	VSTDCCC050	VY022710.D	16 Jun 2025 16:55	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086861.D	06 Jun 2025 07:59		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN086862.D	06 Jun 2025 12:44	Method failed for com.#13	JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN086863.D	06 Jun 2025 13:17		JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN086864.D	06 Jun 2025 13:40		JC\MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VN086865.D	06 Jun 2025 14:03		JC\MD	Ok,M
6	VSTDICC100	VSTDICC100	VN086866.D	06 Jun 2025 14:26		JC\MD	Ok,M
7	VSTDICC150	VSTDICC150	VN086867.D	06 Jun 2025 14:49		JC\MD	Ok,M
8	IBLK	IBLK	VN086868.D	06 Jun 2025 15:12		JC\MD	Ok
9	VSTDICV050	ICVVN060625	VN086869.D	06 Jun 2025 15:54		JC\MD	Ok,M
10	VN0606WBL01	VN0606WBL01	VN086870.D	06 Jun 2025 16:47		JC\MD	Ok
11	VN0606WBL02	VN0606WBL02	VN086871.D	06 Jun 2025 17:10		JC\MD	Ok
12	VN0606WBS01	VN0606WBS01	VN086872.D	06 Jun 2025 17:33		JC\MD	Ok,M
13	VN0606WBSD01	VN0606WBSD01	VN086873.D	06 Jun 2025 17:56		JC\MD	Ok,M
14	Q2254-01	BP-VPB-182-GW-810-8	VN086874.D	06 Jun 2025 18:19	vial A pH<2 endccc out of tune	JC\MD	Not Ok
15	Q2237-02	TW-WTS-10	VN086875.D	06 Jun 2025 18:42	vial A pH<2	JC\MD	Ok
16	Q2216-02	3887	VN086876.D	06 Jun 2025 19:05	vial A pH<2	JC\MD	Ok
17	Q2216-03	3888	VN086877.D	06 Jun 2025 19:28	vial A pH<2	JC\MD	Ok
18	Q2216-04	3864	VN086878.D	06 Jun 2025 19:51	vial A pH<2	JC\MD	Ok

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2216-05	3865	VN086879.D	06 Jun 2025 20:13	vial A pH<2 Out of Tune	JC\MD	Not Ok
20	Q2216-06	3851	VN086880.D	06 Jun 2025 20:36	vial A pH<2 Out of Tune	JC\MD	Not Ok
21	Q2206-04	TP-1	VN086881.D	06 Jun 2025 20:59	vial A pH<2 Out of Tune	JC\MD	Not Ok
22	Q2242-04	TP09-MHJ	VN086882.D	06 Jun 2025 21:21	vial A pH<2 Out of Tune	JC\MD	Not Ok
23	Q2192-01	SB-1	VN086883.D	06 Jun 2025 21:44	vial A pH<2 Out of Tune	JC\MD	Not Ok
24	Q2198-02	B-202-SB02	VN086884.D	06 Jun 2025 22:07	vial A pH<2 Out of Tune	JC\MD	Not Ok
25	Q2198-04	B-207-SB02	VN086885.D	06 Jun 2025 22:29	vial A pH<2 Out of Tune	JC\MD	Not Ok
26	VSTDCCC050	VSTDCCC050EC	VN086886.D	06 Jun 2025 22:52	Out of Tune	JC\MD	Not Ok

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN061325

Review By	John Carlone	Review On	6/16/2025 9:41:28 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/16/2025 5:03:41 PM		
SubDirectory	VN061325	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134329
Initial Calibration Stds	
CCC	VP134330,VP134331
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	VN086995.D	13 Jun 2025 10:26		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086996.D	13 Jun 2025 12:52	pH#Lot#V12668	JC\MD	Ok,M
3	VN0613MBL01	VN0613MBL01	VN086997.D	13 Jun 2025 13:26		JC\MD	Ok
4	VN0613WBL01	VN0613WBL01	VN086998.D	13 Jun 2025 13:47		JC\MD	Ok
5	Q2282-04	251233	VN086999.D	13 Jun 2025 14:10	vial A pH<2	JC\MD	Ok
6	VN0613WBS01	VN0613WBS01	VN087000.D	13 Jun 2025 14:32	BS Failed High For Com.#17,69	JC\MD	Ok,M
7	VN0613WBSD01	VN0613WBSD01	VN087001.D	13 Jun 2025 15:06	BSD Failed High For Comp.#17,52,88	JC\MD	Ok,M
8	Q2314-06	VPB182-HYD-2025061	VN087002.D	13 Jun 2025 15:28	vial A pH<2	JC\MD	Ok
9	Q2314-01	BP-VPB-182-TB-20250	VN087003.D	13 Jun 2025 15:50	vial A pH<2 TB	JC\MD	Ok
10	Q2314-05	BP-VPB-182-EB-20250	VN087004.D	13 Jun 2025 16:12	vial A pH<2 EB,Hit of com.#16,25	JC\MD	ReRun
11	Q2314-04	BP-VPB-182-GW-880-8	VN087005.D	13 Jun 2025 16:34	vial A pH<2	JC\MD	Ok
12	Q2314-02	BP-VPB-182-GW-820-8	VN087006.D	13 Jun 2025 16:56	vial A pH<2	JC\MD	Ok
13	Q2314-05	BP-VPB-182-EB-20250	VN087007.D	13 Jun 2025 17:18	vial B pH<2 EB	JC\MD	Ok
14	IBLK	IBLK	VN087008.D	13 Jun 2025 17:40		JC\MD	Ok
15	IBLK	IBLK	VN087009.D	13 Jun 2025 18:02		JC\MD	Ok
16	Q2268-03DL	MW-2-20250605DL	VN087010.D	13 Jun 2025 18:24	vial B pH<2	JC\MD	Ok
17	Q2268-06DL	MW-2-20250605-ADL	VN087011.D	13 Jun 2025 18:46	vial B pH<2	JC\MD	Ok,M

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN061325

Review By	John Carlone	Review On	6/16/2025 9:41:28 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/16/2025 5:03:41 PM		
SubDirectory	VN061325	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134329
Initial Calibration Stds	
CCC	VP134330,VP134331
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2268-07DL	MW-6-20250605DL	VN087012.D	13 Jun 2025 19:07	BS,BSD Failed High	JC\MD	ReRun
19	Q2268-08DL	MW-3-20250605DL	VN087013.D	13 Jun 2025 19:29	BS,BSD Failed High	JC\MD	ReRun
20	Q2302-01RE	250611078-02-VOARE	VN087014.D	13 Jun 2025 19:51	vial C pH#6.0	JC\MD	Confirms
21	VSTDCCC050	VSTDCCC050EC	VN087015.D	13 Jun 2025 20:13		JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM		
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022488.D	02 Jun 2025 08:31		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022489.D	02 Jun 2025 09:08	Need ICAL	SY/MD	Not Ok
3	VY0602SBL01	VY0602SBL01	VY022490.D	02 Jun 2025 10:38		SY/MD	Not Ok
4	VSTDICC005	VSTDICC005	VY022491.D	02 Jun 2025 11:46		SY/MD	Ok,M
5	VSTDICC010	VSTDICC010	VY022492.D	02 Jun 2025 12:09		SY/MD	Ok,M
6	VSTDICC020	VSTDICC020	VY022493.D	02 Jun 2025 12:32		SY/MD	Ok,M
7	VSTDICCC050	VSTDICCC050	VY022494.D	02 Jun 2025 12:54		SY/MD	Ok,M
8	VSTDICC100	VSTDICC100	VY022495.D	02 Jun 2025 13:17		SY/MD	Ok,M
9	VSTDICC150	VSTDICC150	VY022496.D	02 Jun 2025 13:39		SY/MD	Ok,M
10	VIBLK	VIBLK	VY022497.D	02 Jun 2025 14:03		SY/MD	Ok
11	VSTDICV050	ICVVY060225	VY022498.D	02 Jun 2025 14:59	Icv Fail For DOD For Com.# 18	SY/MD	Ok,M
12	VY0602SBL02	VY0602SBL02	VY022499.D	02 Jun 2025 16:00		SY/MD	Ok
13	VY0602SBS01	VY0602SBS01	VY022500.D	02 Jun 2025 16:24		SY/MD	Ok,M
14	VY0602SBSD01	VY0602SBSD01	VY022501.D	02 Jun 2025 16:47		SY/MD	Ok,M
15	Q2160-02	TP04-MHG-VOC	VY022502.D	02 Jun 2025 17:10	vial A	SY/MD	Ok
16	Q2152-01	OK-02-05292025	VY022503.D	02 Jun 2025 17:34	Not Purged,vial B	SY/MD	Not Ok
17	Q2153-01RE	TR-04-0592025RE	VY022504.D	02 Jun 2025 17:57	Surrogate Fail;Internal Standard Fail, vial B	SY/MD	Confirms

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM		
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2147-02	VOC	VY022505.D	02 Jun 2025 18:21	Not purge,vial B	SY/MD	Not Ok
19	Q2150-02	TP-42	VY022506.D	02 Jun 2025 18:44	vial B	SY/MD	Ok
20	Q2150-05RE	TP-47RE	VY022507.D	02 Jun 2025 19:08	Internal Standard Fail,vial B	SY/MD	Confirms
21	Q2161-01	B27-SOIL-SAMPLE	VY022508.D	02 Jun 2025 19:31	vial-B,Internal Standard Fail; Surrogate Fail	SY/MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VY022509.D	02 Jun 2025 19:54		SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY061625

Review By	Semsettin Yesilyurt	Review On	6/17/2025 4:00:42 PM		
Supervise By	Mahesh Dadoda	Supervise On	6/17/2025 4:09:50 PM		
SubDirectory	VY061625	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134372
Initial Calibration Stds	
CCC	VP134373,VP134374
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022694.D	16 Jun 2025 07:59		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022695.D	16 Jun 2025 08:31		SY/MD	Ok,M
3	VY0616SBL01	VY0616SBL01	VY022696.D	16 Jun 2025 09:40		SY/MD	Ok
4	VY0616SBS01	VY0616SBS01	VY022697.D	16 Jun 2025 10:12		SY/MD	Ok,M
5	VY0616SBSD01	VY0616SBSD01	VY022698.D	16 Jun 2025 10:34		SY/MD	Ok,M
6	Q2328-01	CHRT25653	VY022699.D	16 Jun 2025 11:22	vial-A Internal Standard Fail	SY/MD	Ok,M
7	Q2322-01	CL-01-061325	VY022700.D	16 Jun 2025 11:46	vial-A Internal Standard Fail	SY/MD	ReRun
8	Q2314-08	BP-VPB-182-GW-840-8	VY022701.D	16 Jun 2025 12:09	vial-A	SY/MD	Ok
9	Q2324-01	HD-01-6132025	VY022702.D	16 Jun 2025 12:33	vial-A Not purged	SY/MD	Not Ok
10	Q2323-01	PL-01-06132025	VY022703.D	16 Jun 2025 12:56	vial-A	SY/MD	Ok
11	Q2312-03	TP-1-VOC	VY022704.D	16 Jun 2025 14:12	vial-A	SY/MD	Ok
12	Q2319-03	MH-B-VOC	VY022705.D	16 Jun 2025 14:36	vial-A	SY/MD	Ok,M
13	Q2305-01RE	TR-04-06122025RE	VY022706.D	16 Jun 2025 14:59	vial-B Internal Standard Fail;Surrogate fail	SY/MD	Confirms
14	Q2325-03	TP-8-VOC	VY022707.D	16 Jun 2025 15:22	vial-A	SY/MD	Ok
15	Q2328-01RE	CHRT25653RE	VY022708.D	16 Jun 2025 15:46	vial-B Not purged	SY/MD	Not Ok
16	VIBLK	VIBLK	VY022709.D	16 Jun 2025 16:09		SY/MD	Ok
17	VSTDCCC050	VSTDCCC050EC	VY022710.D	16 Jun 2025 16:55		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/17/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:35
In Date: 06/16/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 06/17/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB136165

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
Q2314-08	BP-VPB-182-GW-840-842	25	1.15	8.70	9.85	1.84	7.9	sludge sample
Q2335-01	ETGI-371-1	1	1.00	1.00	2.00	2.00	100.0	WIPE
Q2335-02	ETGI-371-2	2	1.00	1.00	2.00	2.00	100.0	WIPE
Q2335-03	ETGI-361-1	3	1.00	1.00	2.00	2.00	100.0	WIPE
Q2335-04	ETGI-361-2	4	1.00	1.00	2.00	2.00	100.0	WIPE
Q2336-01	WBR-1	5	1.16	8.61	9.77	7.68	75.7	
Q2336-02	WBR-1-E2	6	1.15	8.45	9.6	7.68	77.3	
Q2336-03	WBR-2	7	1.15	8.79	9.94	8.4	82.5	
Q2336-04	WBR-2-E2	8	1.17	8.57	9.74	8.26	82.7	
Q2337-01	OR-02-061625	9	1.16	8.74	9.9	9.25	92.6	
Q2337-02	OR-02-061625-E2	10	1.16	8.56	9.72	8.88	90.2	
Q2338-01	OK-03-061625	11	1.18	8.45	9.63	8.92	91.6	
Q2338-02	OK-03-061625-E2	12	1.15	8.50	9.65	8.88	90.9	
Q2339-01	MH-C	13	1.16	8.69	9.85	8.96	89.8	
Q2339-02	MH-C-EPH	14	1.15	8.43	9.58	8.7	89.6	
Q2339-03	MH-C-VOC	15	1.16	8.43	9.59	8.71	89.6	
Q2340-01	TP05-MH17A-WC	16	1.17	8.70	9.87	9.06	90.7	
Q2340-02	TP05-MH17A-VOC	17	1.15	8.80	9.95	9.2	91.5	
Q2340-03	TP05-MH17A-EPH	18	1.14	8.68	9.82	9.11	91.8	
Q2341-01	TP-9	19	1.16	8.55	9.71	8.88	90.3	
Q2341-02	TP-9-EPH	20	1.16	8.61	9.77	8.9	89.9	
Q2341-03	TP-9-VOC	21	1.15	96.95	98.1	8.93	8.0	
Q2341-05	EP-3	22	1.14	8.61	9.75	8.98	91.1	
Q2341-06	EP-3-EPH	23	1.15	8.73	9.88	9.00	89.9	
Q2341-07	EP-3-VOC	24	1.14	8.59	9.73	8.91	90.5	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

1B136165

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %S-061625 **WorkList ID :** 190220 **Department :** Wet-Chemistry **Date :** 06-16-2025 16:10:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2314-08	BP-VPB-182-GW-840-842	Solid	Percent Solids	Cool 4 deg C	TETR06	D41	06/11/2025	Chemtech -SO
Q2335-01	ETGI-371-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/16/2025	Chemtech -SO
Q2335-02	ETGI-371-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/16/2025	Chemtech -SO
Q2335-03	ETGI-361-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/16/2025	Chemtech -SO
Q2335-04	ETGI-361-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/16/2025	Chemtech -SO
Q2336-01	WBR-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/16/2025	Chemtech -SO
Q2336-02	WBR-1-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/16/2025	Chemtech -SO
Q2336-03	WBR-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/16/2025	Chemtech -SO
Q2336-04	WBR-2-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/16/2025	Chemtech -SO
Q2337-01	OR-02-061625	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/16/2025	Chemtech -SO
Q2337-02	OR-02-061625-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D42	06/16/2025	Chemtech -SO
Q2338-01	OK-03-061625	Solid	Percent Solids	Cool 4 deg C	PSEG05	D42	06/16/2025	Chemtech -SO
Q2338-02	OK-03-061625-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D52	06/16/2025	Chemtech -SO
Q2339-01	MH-C	Solid	Percent Solids	Cool 4 deg C	PSEG05	D52	06/16/2025	Chemtech -SO
Q2339-02	MH-C-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/16/2025	Chemtech -SO
Q2339-03	MH-C-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/16/2025	Chemtech -SO
Q2340-01	TP05-MH17A-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/16/2025	Chemtech -SO
Q2340-02	TP05-MH17A-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/13/2025	Chemtech -SO
Q2340-03	TP05-MH17A-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/13/2025	Chemtech -SO
Q2341-01	TP-9	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/13/2025	Chemtech -SO
Q2341-02	TP-9-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D52	06/16/2025	Chemtech -SO

Date/Time 06/16/25 16:15

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 06/16/25 16:50

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

1B 136165

WorkList Name : %S-061625 **WorkList ID :** 190220 **Department :** Wet-Chemistry **Date :** 06-16-2025 16:10:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2341-03	TP-9-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D52	06/16/2025	Chemtech -SO
Q2341-05	EP-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D52	06/16/2025	Chemtech -SO
Q2341-06	EP-3-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D52	06/16/2025	Chemtech -SO
Q2341-07	EP-3-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D52	06/16/2025	Chemtech -SO

Date/Time 06/16/25 16:15

Raw Sample Received by: [signature]

Raw Sample Relinquished by:

06/16/25

Date/Time 06/16/25 16:50

Raw Sample Received by:

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 : Q2314

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: vn061325,VY061625,

Standard ID :
VP133174,VP133175,VP133887,VP133888,VP133934,VP133935,VP133953,VP133991,VP133995,VP134142,VP134147,VP134149,VP134150,VP134329,VP134330,VP134331,VP134372,VP134373,VP134374,

Chemical ID :
V13391,V13706,V14290,V14432,V14435,V14503,V14504,V14525,V14526,V14613,V14620,V14626,V14636,V14637,V14638,V14639,V14668,V14671,V14673,V14675,V14711,V14717,V14718,V14721,V14749,V14750,V14811,V14812,V14843,V14921,V14929,V14944,V14945,V14946,V14947,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
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
249	8260 Surrogate, 100PPM	VP133175	02/27/2025	08/27/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 0.10000ml of V13706 + 24.90000ml of V14613 = Final Quantity: 25.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP133887	05/12/2025	06/23/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/14/2025

FROM 0.40000ml of V14843 + 1.00000ml of V14432 + 1.00000ml of V14435 + 1.00000ml of V14503 + 1.00000ml of V14504 + 1.00000ml of V14525 + 1.00000ml of V14526 + 1.00000ml of V14711 + 1.00000ml of V14717 + 1.00000ml of V14718 + 1.00000ml of V14721 + 1.00000ml of V14749 + 1.00000ml of V14750 + 1.00000ml of V14811 + 1.00000ml of V14812 + 10.60000ml of V14921 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
244	8260 Calibration Working STD Mix-First source, 100PPM	VP133888	05/12/2025	06/23/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/14/2025

FROM 5.62500ml of V14921 + 9.37500ml of VP133887 = Final Quantity: 15.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1917	8260 Internal standard 50 ppm	VP133934	05/16/2025	11/12/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/21/2025

FROM 0.10000ml of V14290 + 49.90000ml of V14921 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP133935	05/16/2025	11/12/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/21/2025

FROM 0.25000ml of V14290 + 24.75000ml of V14921 = 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
218	BFB, 25PPM	VP133953	05/19/2025	11/09/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/21/2025

FROM 0.25000ml of V13391 + 24.75000ml of V14626 = 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	VP133991	05/22/2025	06/19/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/24/2025

FROM 1.00000ml of V14944 + 1.00000ml of V14945 + 1.00000ml of V14946 + 1.00000ml of V14947 + 21.00000ml of V14620 = 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	VP133995	05/22/2025	06/19/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/24/2025

FROM 5.62500ml of V14620 + 9.37500ml of VP133991 = Final Quantity: 15.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
719	8260 Working STD (BCM)-First source, 400PPM	VP134142	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 1.00000ml of V14668 + 1.00000ml of V14671 + 1.00000ml of V14673 + 1.00000ml of V14675 + 16.00000ml of V14929 = Final Quantity: 20.000 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	VP134147	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 1.00000ml of V14673 + 19.00000ml of V14929 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP134149	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 1.00000ml of V14636 + 1.00000ml of V14637 + 1.00000ml of V14638 + 1.00000ml of V14639 + 46.00000ml of V14929 = Final Quantity: 50.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1811	8260 Working Std(2-CVE)-500ppm	VP134150	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 7.50000ml of V14929 + 12.50000ml of VP134149 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP134329	06/13/2025	06/14/2025	John Carlone	None	None	Mahesh Dadoda 06/17/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP133953 = 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	VP134330	06/13/2025	06/14/2025	John Carlone	None	None	Mahesh Dadoda 06/17/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP133174 + 0.00500ml of VP134142 + 0.00800ml of VP133935 + 0.01250ml of VP133887 + 0.01250ml of VP133991 + 0.01250ml of VP134149 = 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	VP134331	06/13/2025	06/14/2025	John Carlone	None	None	Mahesh Dadoda 06/17/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP133174 + 0.00500ml of VP134142 + 0.00800ml of VP133935 + 0.01250ml of VP133887 + 0.01250ml of VP133991 + 0.01250ml of VP134149 = 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
732	BFB TUNE CHECK - SOIL	VP134372	06/16/2025	06/17/2025	Amit Patel	None	None	Mahesh Dadoda 06/17/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP133953 = 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	VP134373	06/16/2025	06/17/2025	Amit Patel	None	None	Mahesh Dadoda 06/17/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP133175 + 0.00250ml of VP133888 + 0.00250ml of VP133995 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP134374	06/16/2025	06/17/2025	Amit Patel	None	None	Mahesh Dadoda 06/17/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP133175 + 0.00250ml of VP133888 + 0.00250ml of VP133995 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	02/27/2026	02/27/2025 / SAM	04/12/2023 / SAM	V13706

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	12/12/2025	12/12/2024 / SAM	04/15/2024 / SAM	V14290

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	09/30/2025	05/12/2025 / SAM	08/15/2024 / SAM	V14432

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	09/20/2025	03/20/2025 / SAM	08/15/2024 / SAM	V14435

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	11/12/2025	05/12/2025 / SAM	09/17/2024 / SAM	V14503

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	11/12/2025	05/12/2025 / SAM	09/17/2024 / SAM	V14504

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	11/12/2025	05/12/2025 / SAM	09/18/2024 / SAM	V14525

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	11/12/2025	05/12/2025 / SAM	09/18/2024 / SAM	V14526

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	10/25/2025	05/09/2025 / SAM	11/26/2024 / SAM	V14620

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	11/09/2025	05/09/2025 / SAM	11/26/2024 / SAM	V14626

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14636

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14637

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14638

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14639

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14668

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14671

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14673

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14675

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	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14711

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	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14717

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	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14718

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	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14721

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	11/13/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14749

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	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14750

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	11/12/2025	05/12/2025 / SAM	01/08/2025 / SAM	V14811

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	06/30/2026	05/12/2025 / SAM	01/08/2025 / SAM	V14812

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	11/12/2025	05/12/2025 / SAM	01/21/2025 / SAM	V14843

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	11/12/2025	05/12/2025 / SAM	05/09/2025 / SAM	V14921

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	12/06/2025	06/06/2025 / SAM	05/09/2025 / SAM	V14929

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	051925	06/19/2025	05/22/2025 / SAM	05/21/2025 / SAM	V14944

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	051925	06/19/2025	05/22/2025 / SAM	05/21/2025 / SAM	V14945

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	051925	06/19/2025	05/22/2025 / SAM	05/21/2025 / SAM	V14946

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	051925	06/19/2025	05/22/2025 / SAM	05/21/2025 / SAM	V14947

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

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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 | 5E-05 Balance Uncertainty | 0.021 Flask 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	(0466)	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	(0381)	06128PX	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 846mg/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	20.8	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	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	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 (45mg/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	1999.8	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	1999.8	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 8040mg/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	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

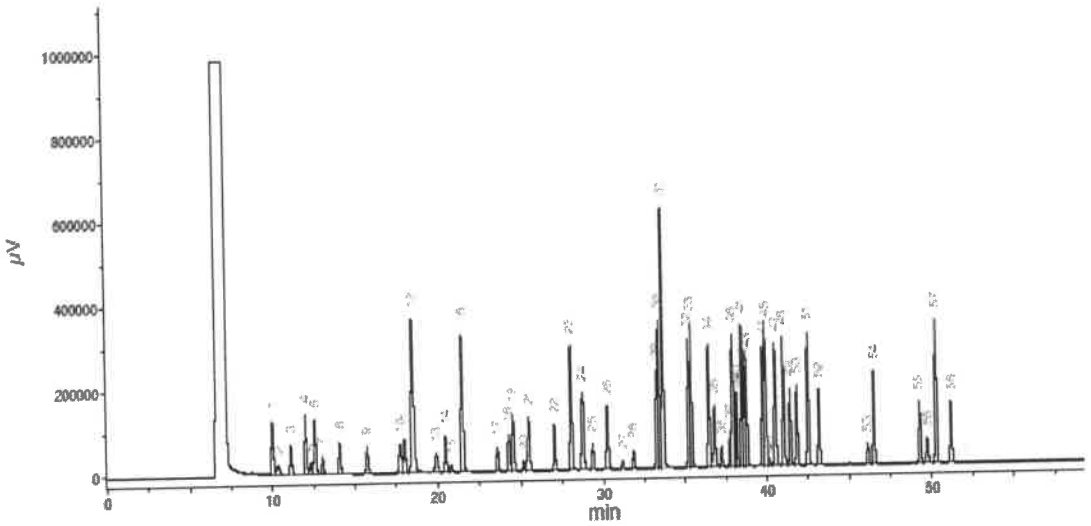
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening 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).

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-1,2,3-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	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.07
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
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	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
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	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
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	41.12
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.46
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, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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 | 5E-05 Balance Uncertainty | 0.021 Flask 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	(0466)	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	(0381)	06128PX	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 846mg/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	20.8	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	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	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 (45mg/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	1999.8	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	1999.8	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 8040mg/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	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

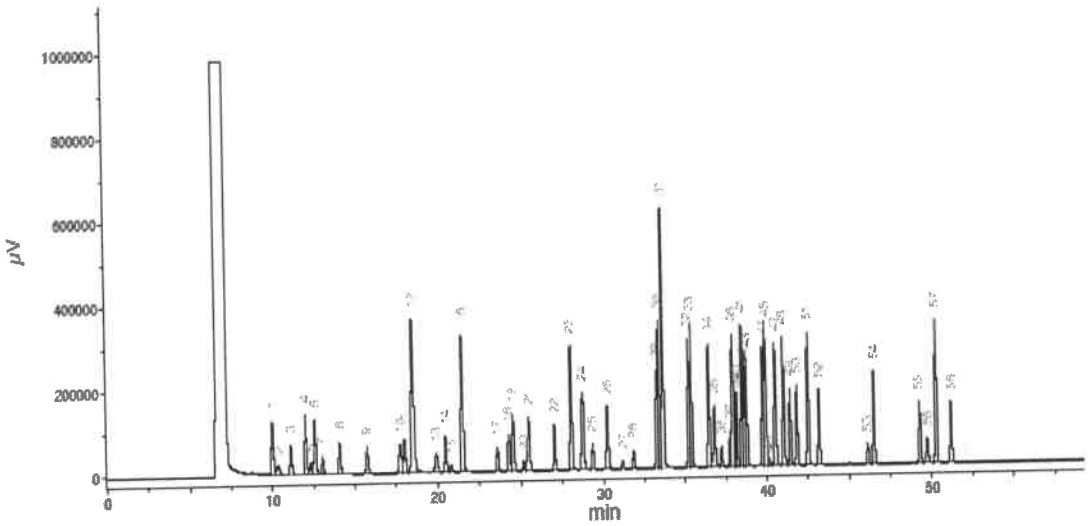
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening 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).

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-1,2,3-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	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.07
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
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	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
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	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
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	41.12
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.46
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, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

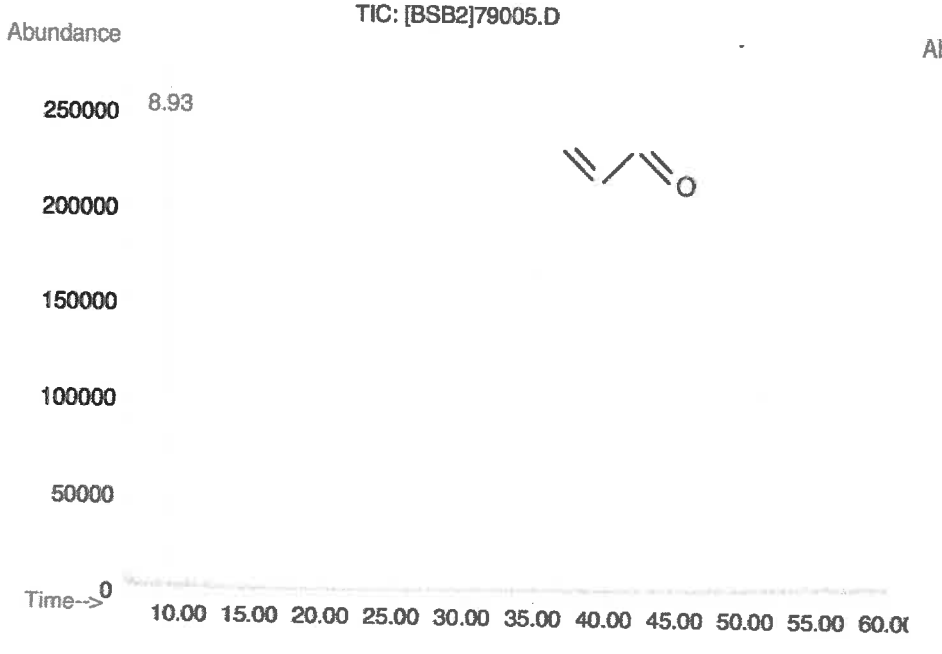
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

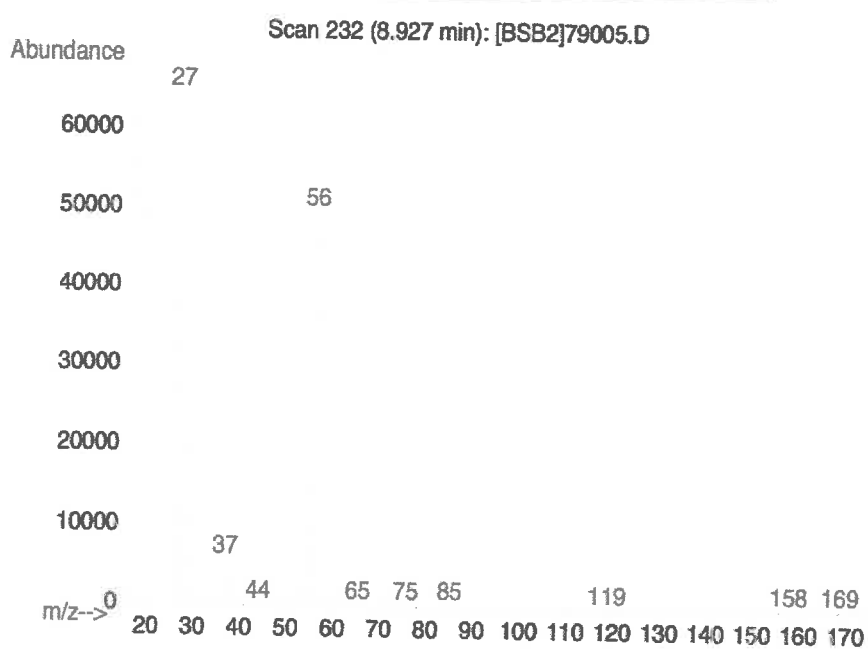
Formulated By: Justin Dippold 091424 DATE

Reviewed By: Pedro L. Rentas 091424 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.). Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

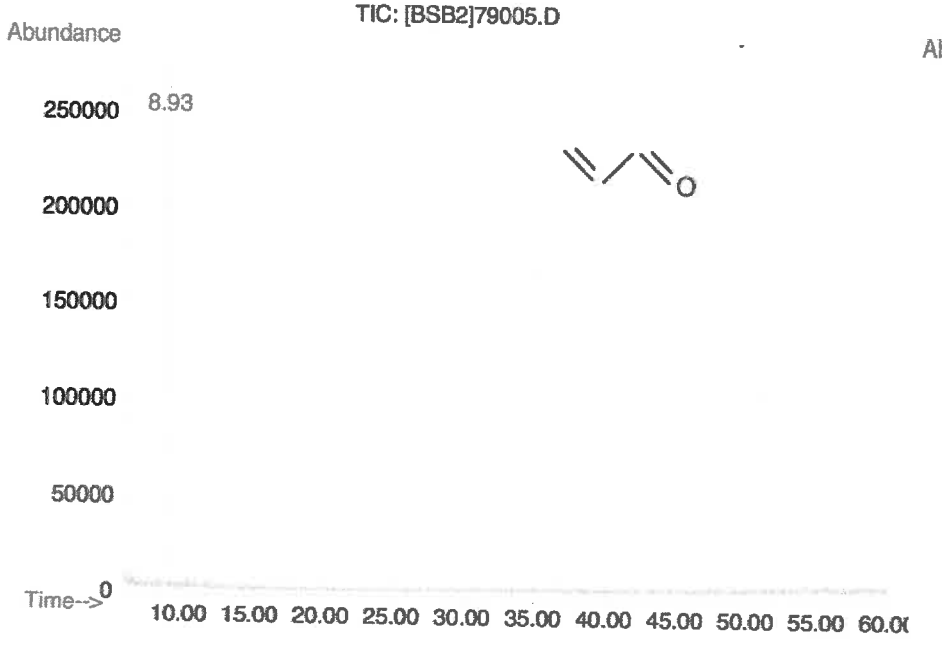
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

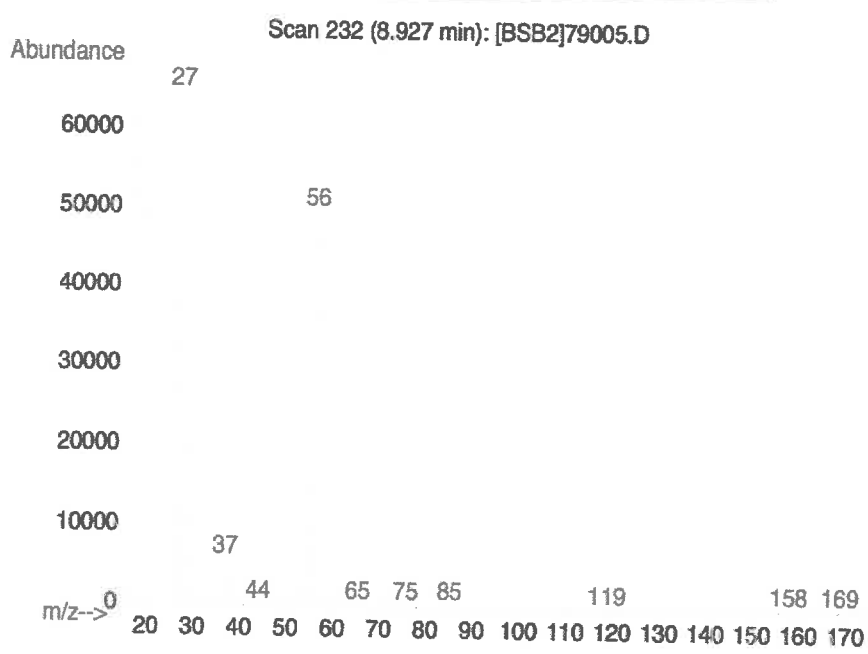
Formulated By: Justin Dippold 091424 DATE

Reviewed By: Pedro L. Rentas 091424 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.). Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

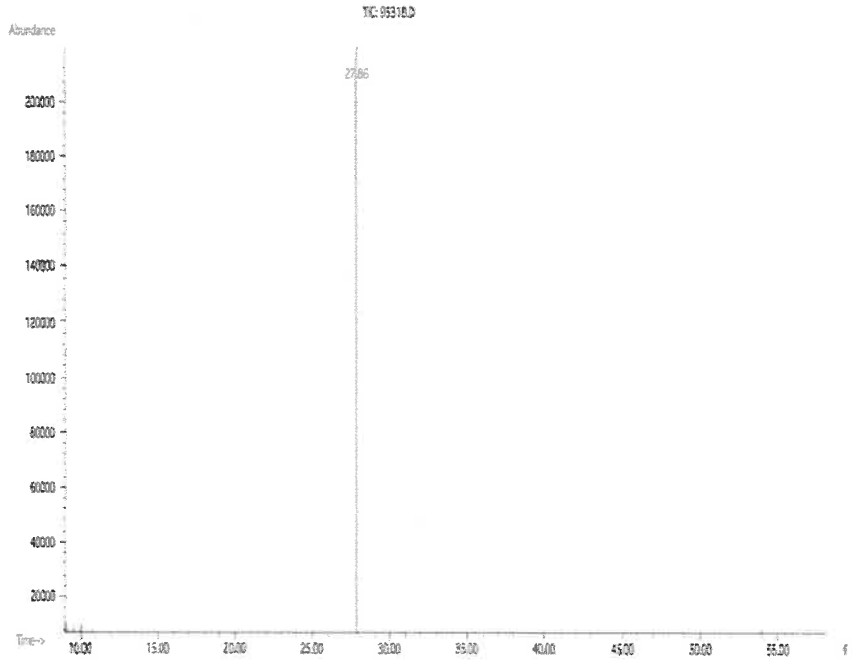
V14630 to V14649

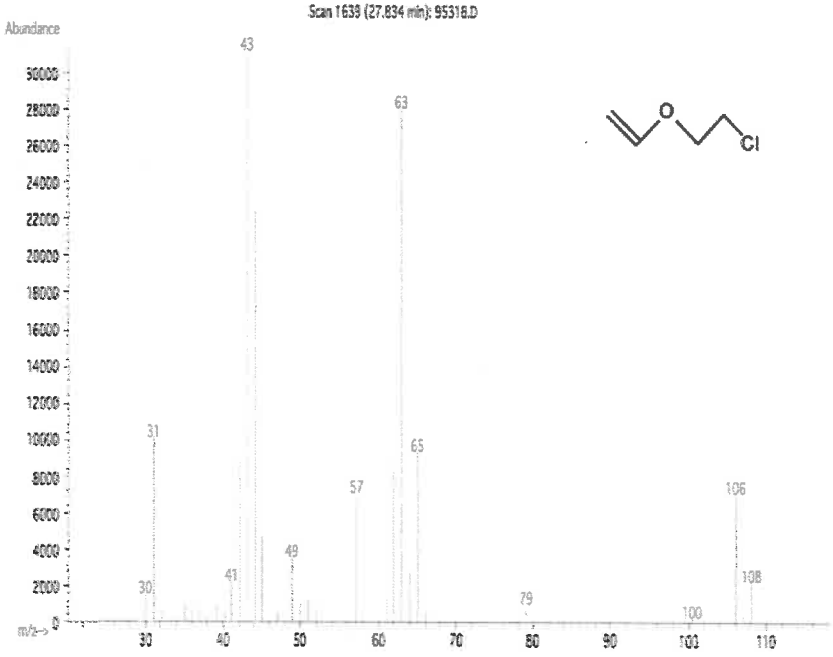
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

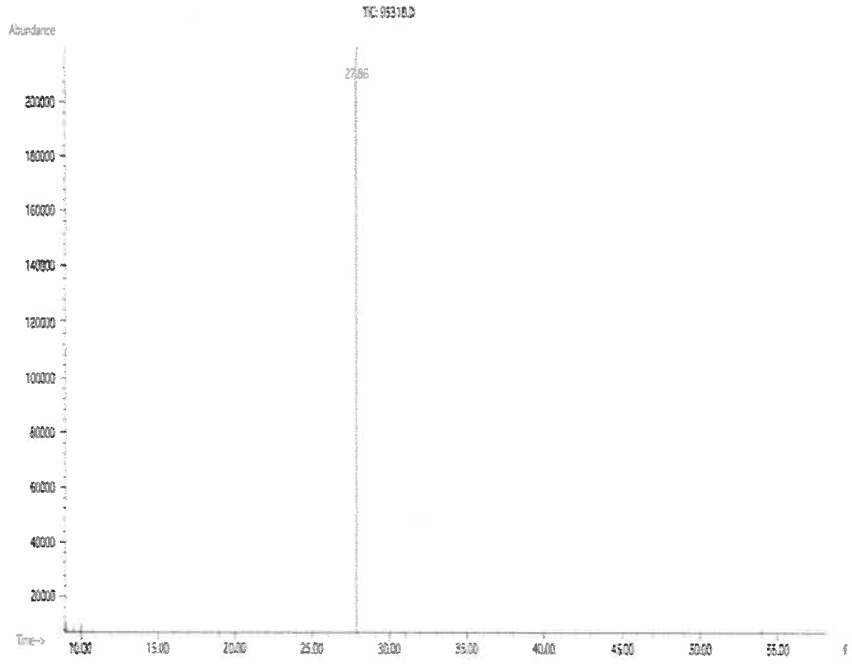
V14630 to V14649

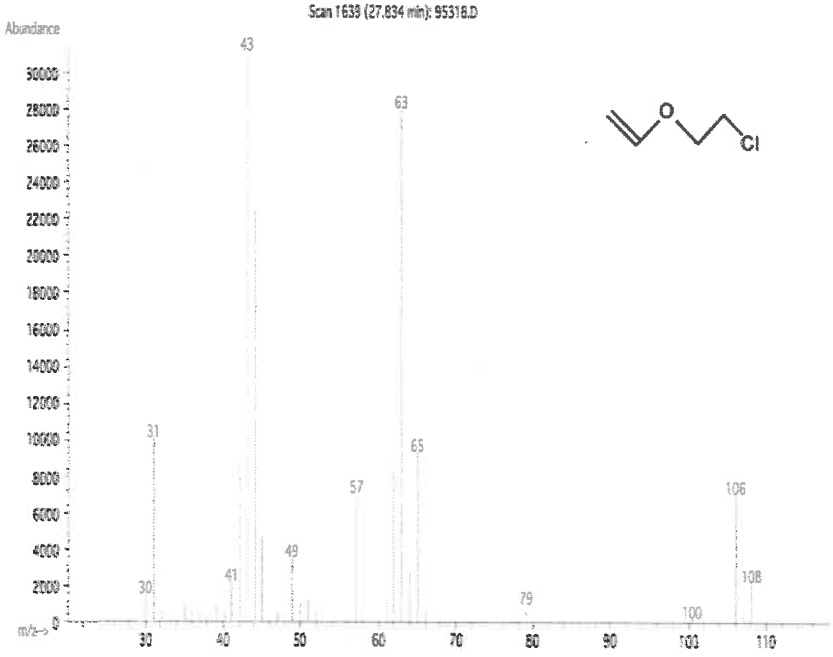
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

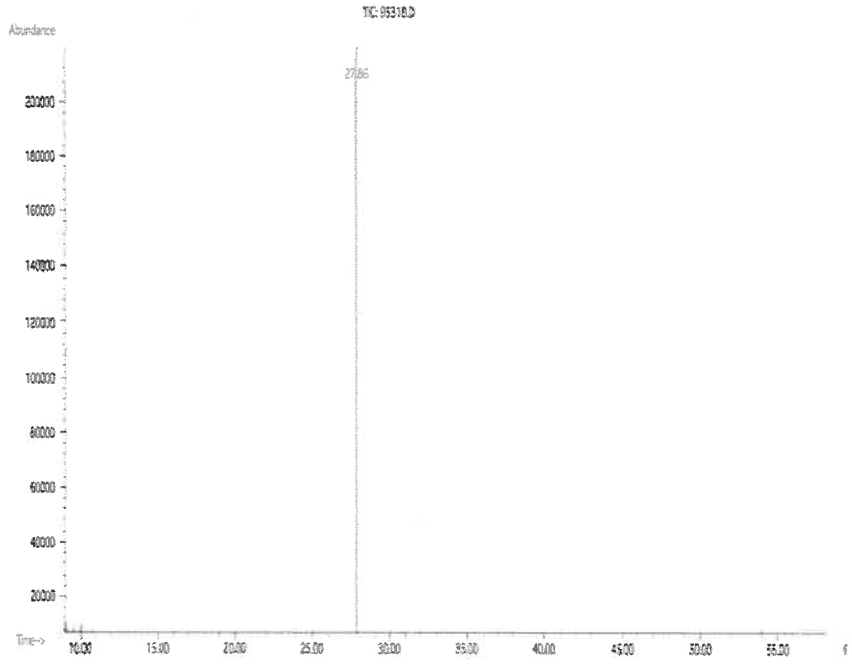
V14630 to V14649

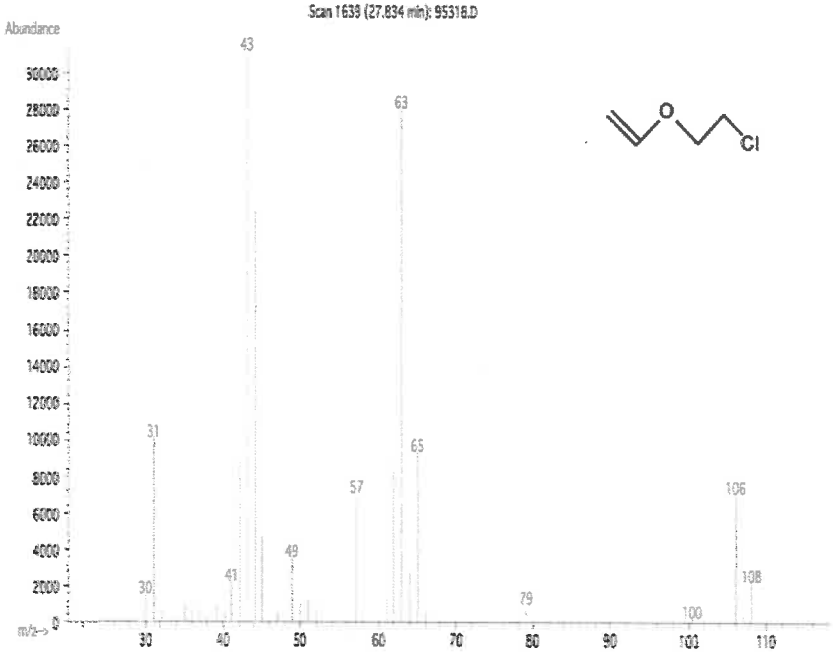
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

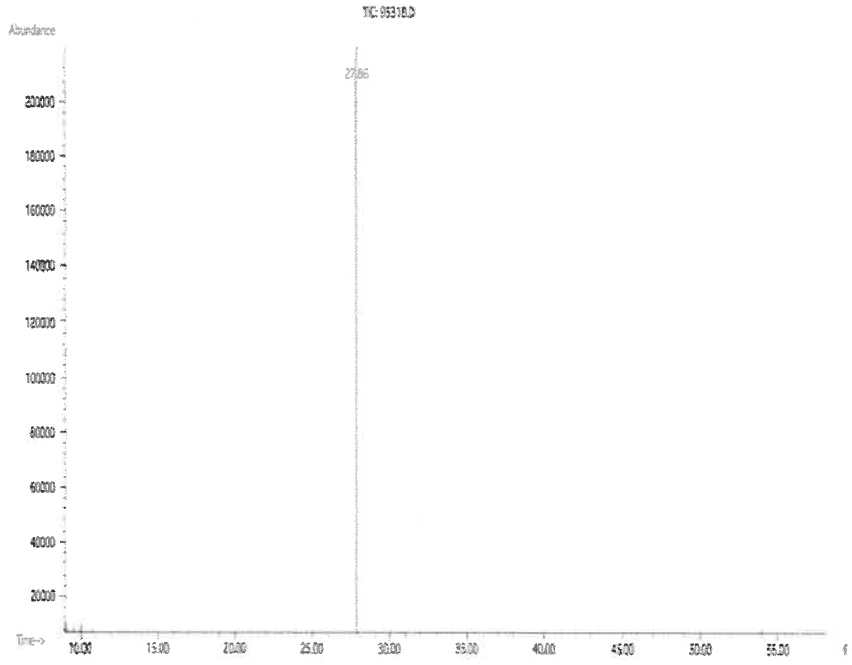
V14630 to V14649

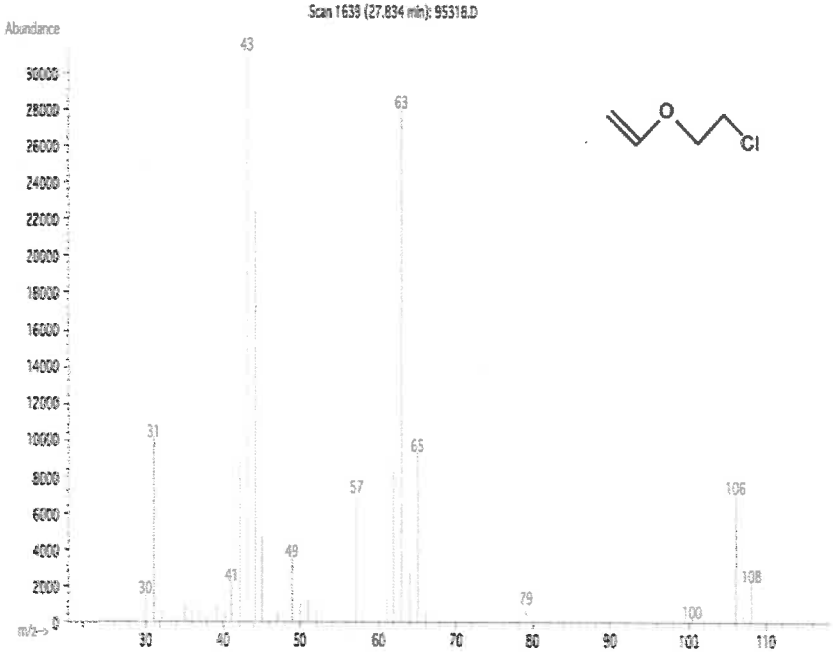
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

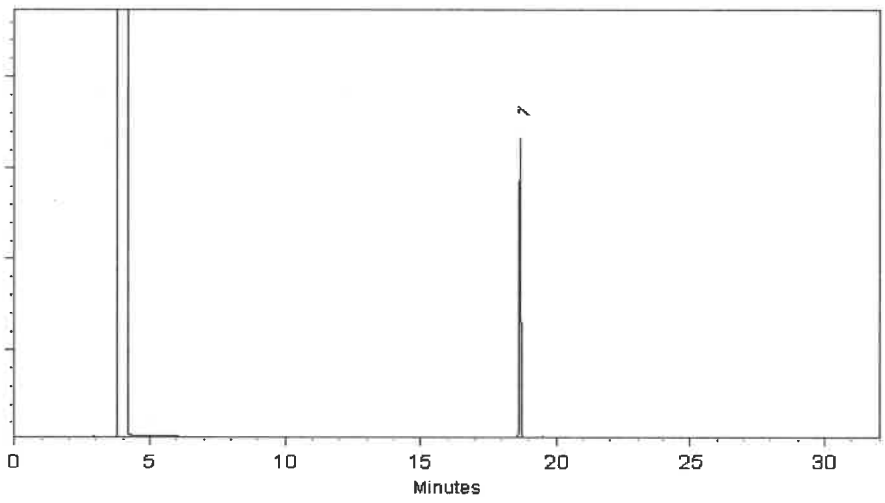
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I **Date Mixed:** 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 21-Nov-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

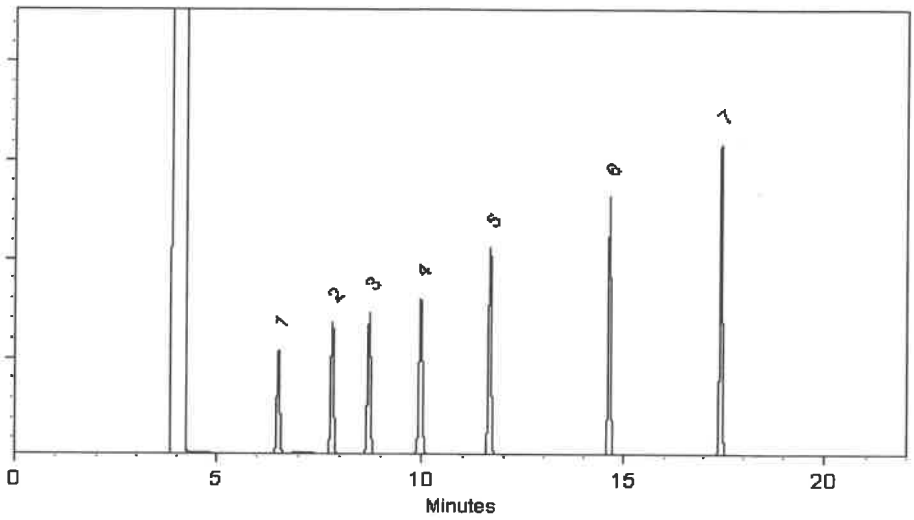
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

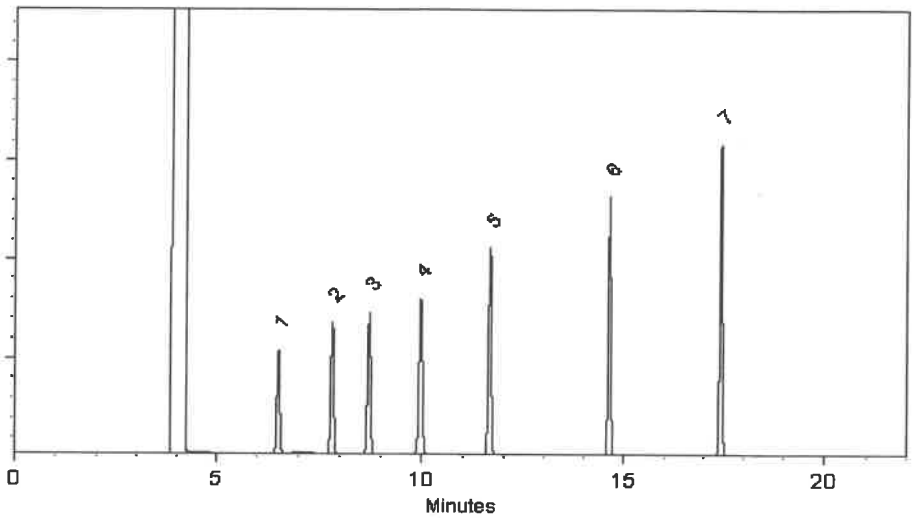
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 V.4

Certificate of Analysis

chromatographic plus

V14697-to-14726

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

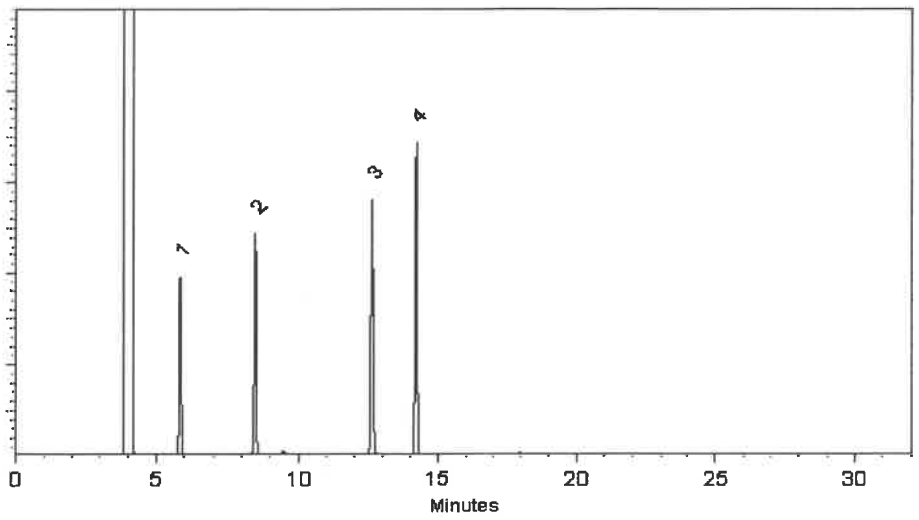
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 V.4

Certificate of Analysis

chromatographic plus

V14697-to-14726

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

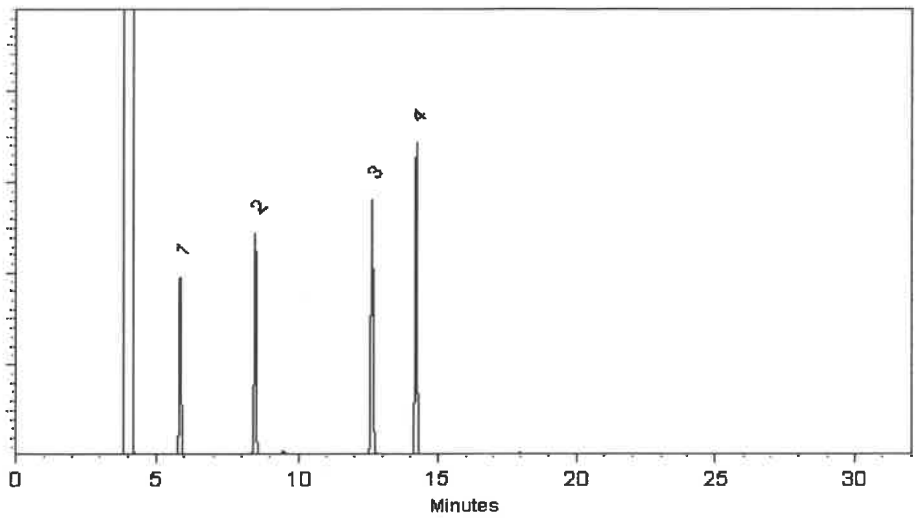
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 V.4

Certificate of Analysis

chromatographic plus

V14697-to-14726

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

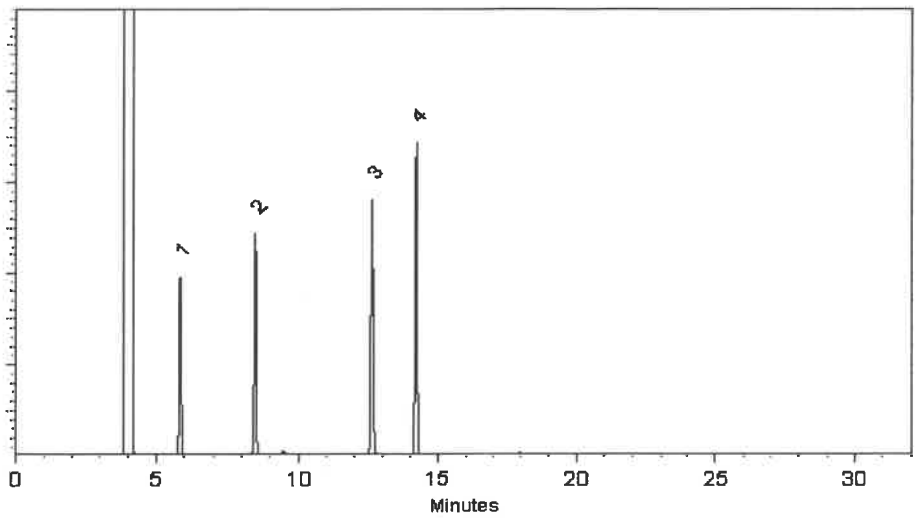
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 V.4

Certificate of Analysis

chromatographic plus

V14697-to-14726

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

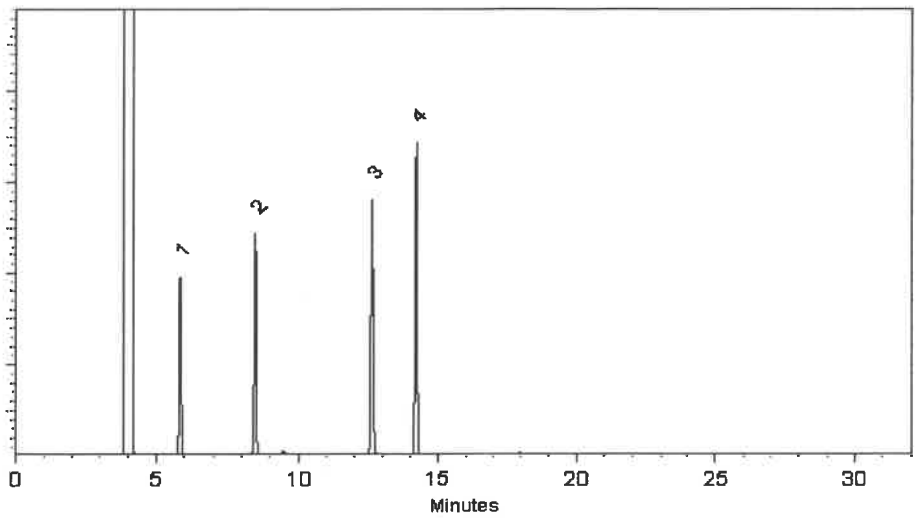
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

10 vial.

CERTIFIED REFERENCE MATERIAL

Dec: 12/09/24

Certificate of Analysis

chromatographic plus

V14667 to
V14676

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

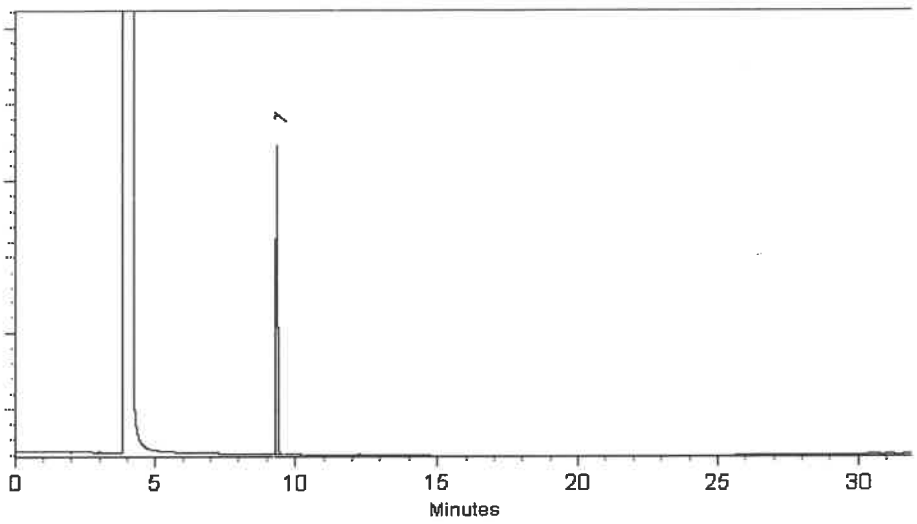
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

10 vial.

CERTIFIED REFERENCE MATERIAL

Dec: 12/09/24

Certificate of Analysis

chromatographic plus

V14667 to
V14676

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

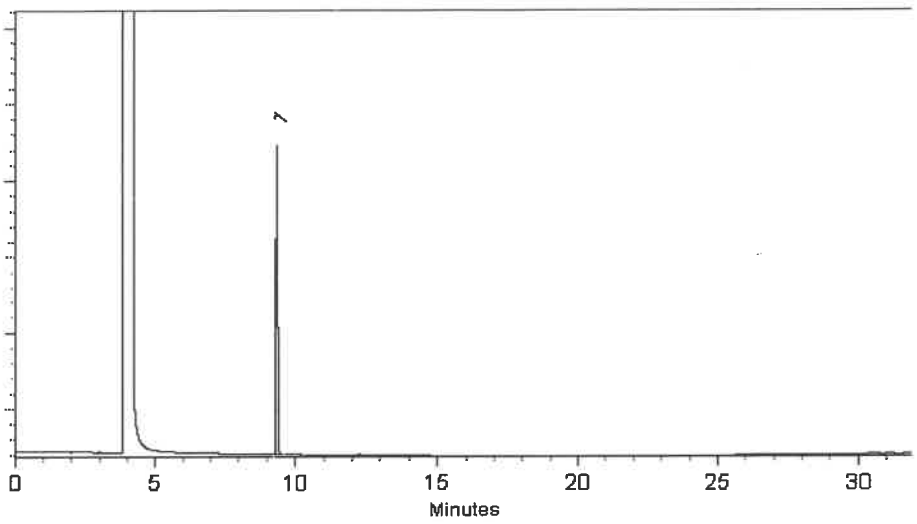
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

10 vial.

CERTIFIED REFERENCE MATERIAL

Dec: 12/09/24

Certificate of Analysis

chromatographic plus

V14667 to
V14676

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

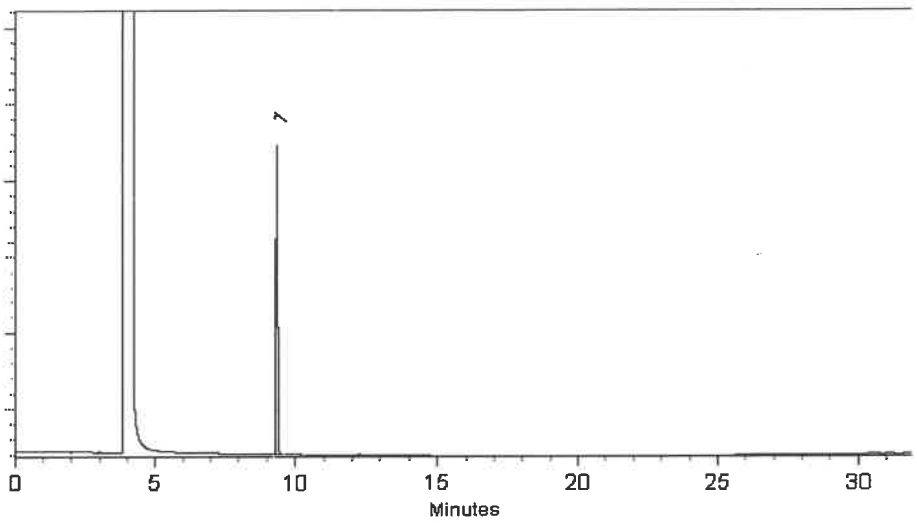
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

10 vial.

CERTIFIED REFERENCE MATERIAL

Dec: 12/09/24

Certificate of Analysis

chromatographic plus

V14667 to
V14676

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

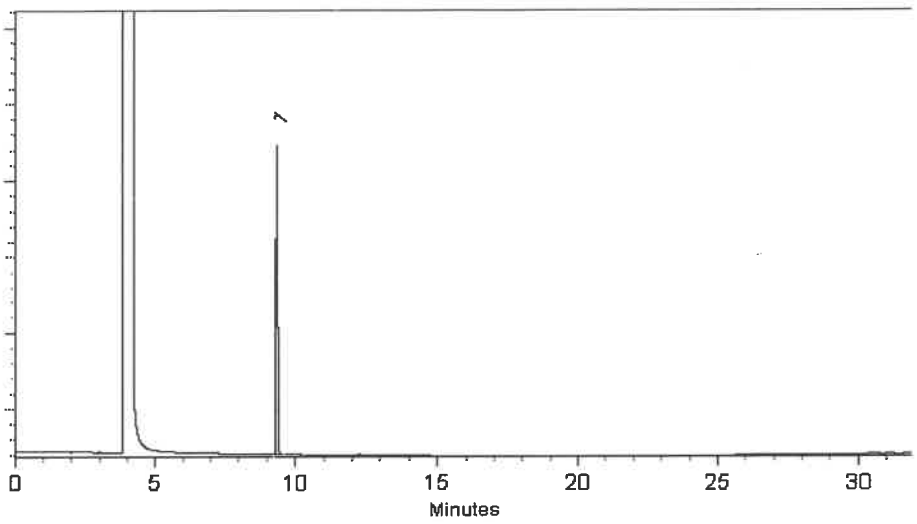
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to V14756

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

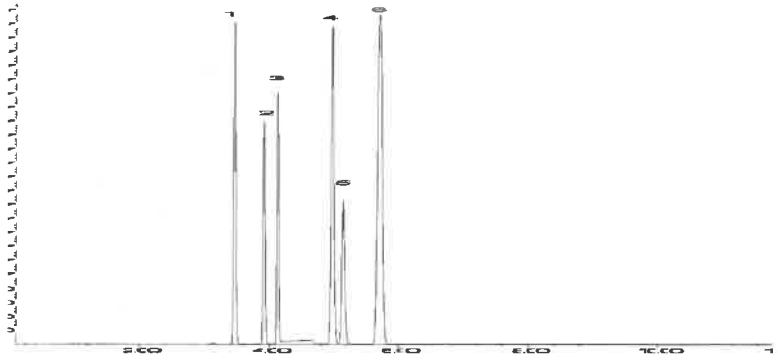
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to V14756

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

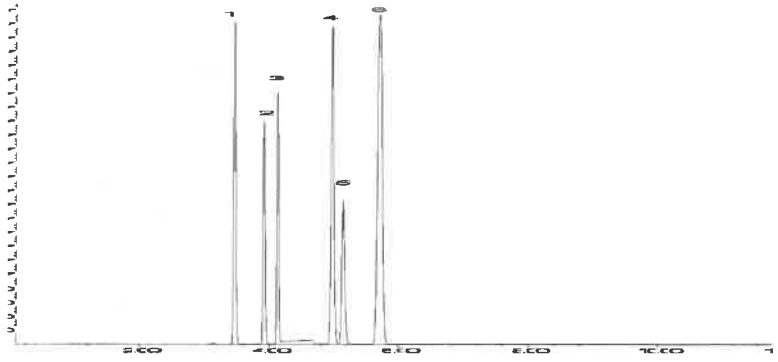
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

J14842 to 14846

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0217535

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butanol (TBA)	75-65-0	SHBQ8002-1	99%	50,007.5 µg/mL	+/- 717.6137

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

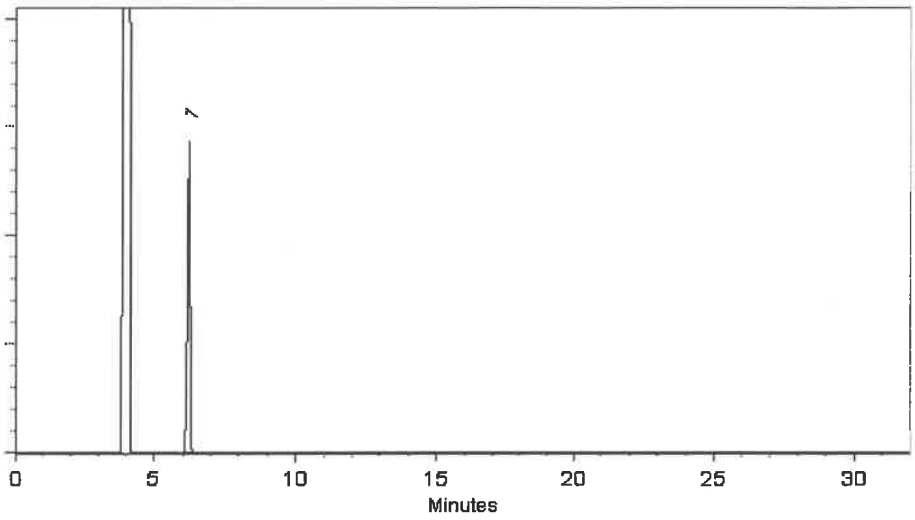
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024 **Balance Serial #** B251644995

Brittany Federinko - Operations Tech I

Date Passed: 09-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Zoviny Rec 01/08/21

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

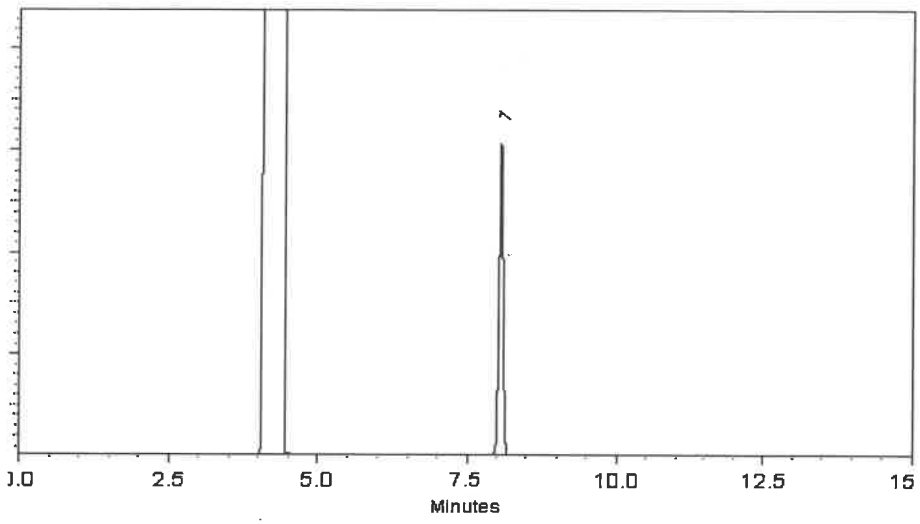
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Zoviny Rec 01/08/21

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

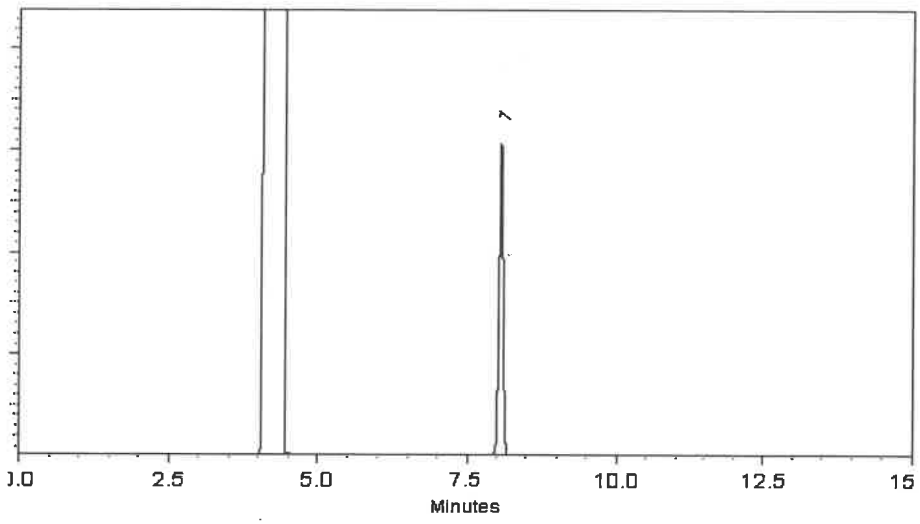
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.3
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

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.3
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

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 05/21/25

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

5.014

Part Number:	91980
Lot Number:	051925
Description:	Acrolein
Expiration Date:	061925
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): Water **Lot#** 041725Q

J14944-V14948

5E-05 Balance Uncertainty

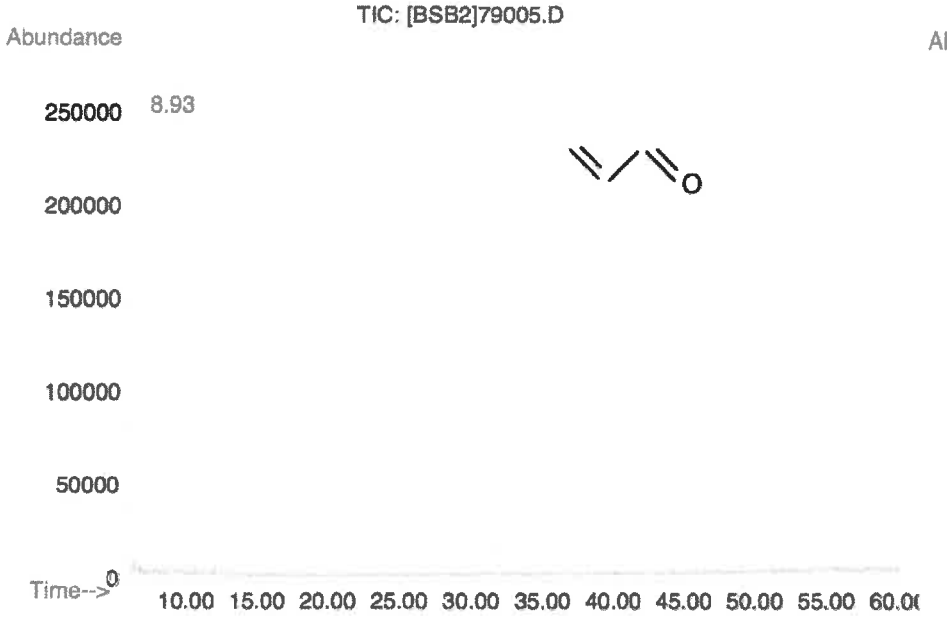
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

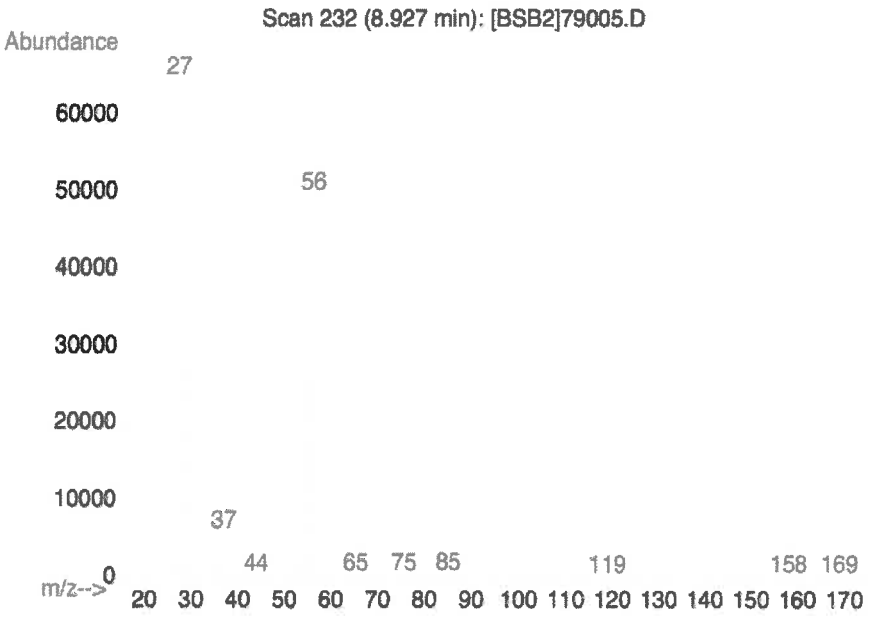
Lawrence Barry 051925
Formulated By: Lawrence Barry DATE

Pedro Rentas 051925
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	0.05170	5004.1	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 by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).**
- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**
  Rev 1.0, 2/25/2025

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 05/21/25

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

5.014

Part Number:	91980
Lot Number:	051925
Description:	Acrolein
Expiration Date:	061925
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): Water **Lot#** 041725Q

J14944-V14948

5E-05 Balance Uncertainty

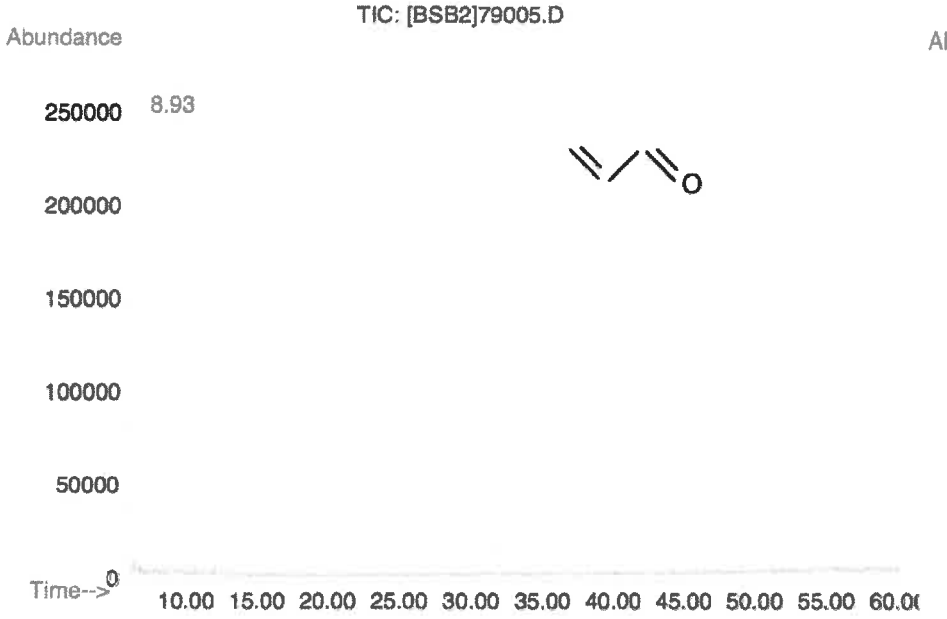
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

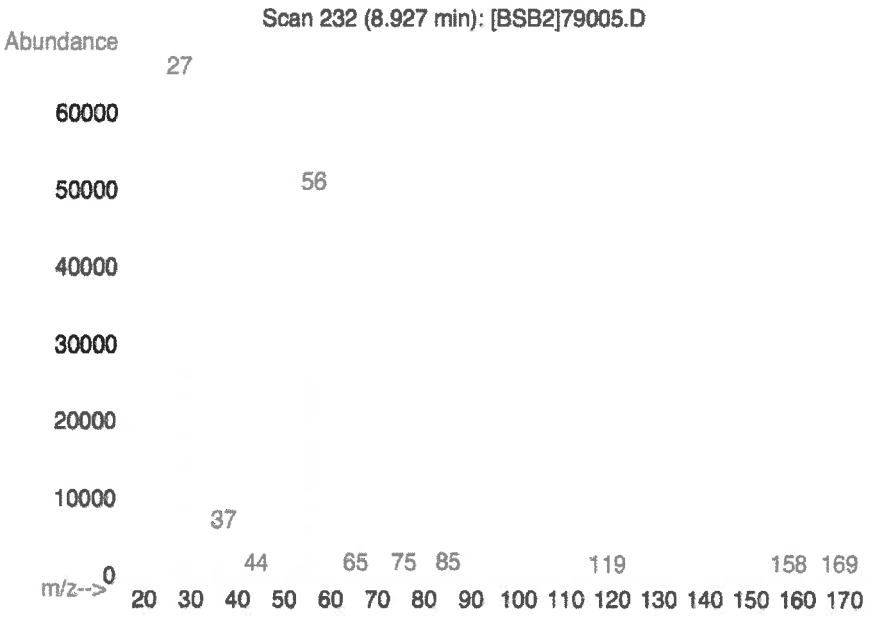
Lawrence Barry 051925
Formulated By: Lawrence Barry DATE

Pedro Rentas 051925
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	0.05170	5004.1	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 by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).**
- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**
  Rev 1.0, 2/25/2025

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 05/21/25

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

5.014

Part Number:	91980
Lot Number:	051925
Description:	Acrolein
Expiration Date:	061925
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): Water **Lot#** 041725Q

J14944-V14948

5E-05 Balance Uncertainty

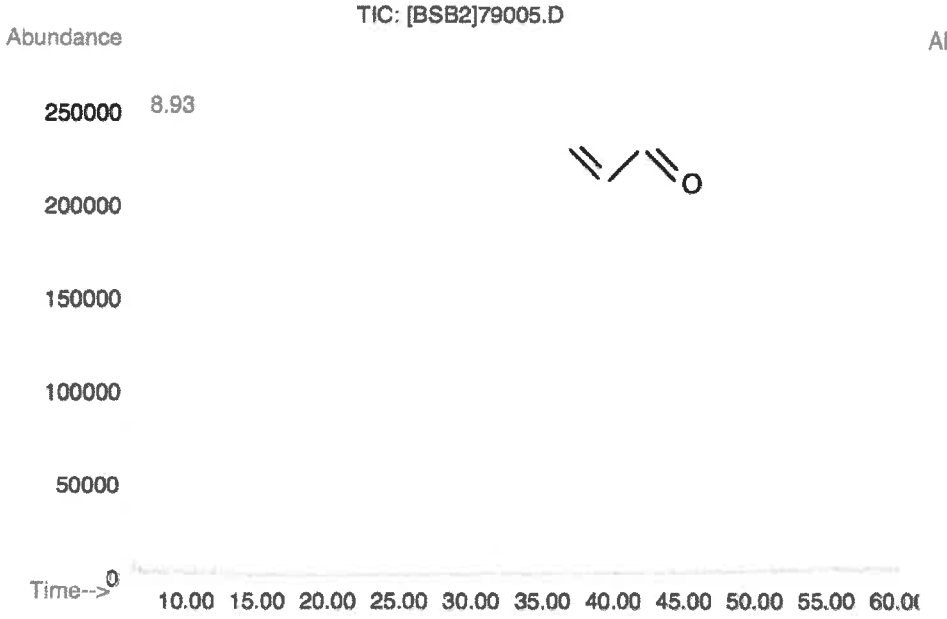
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

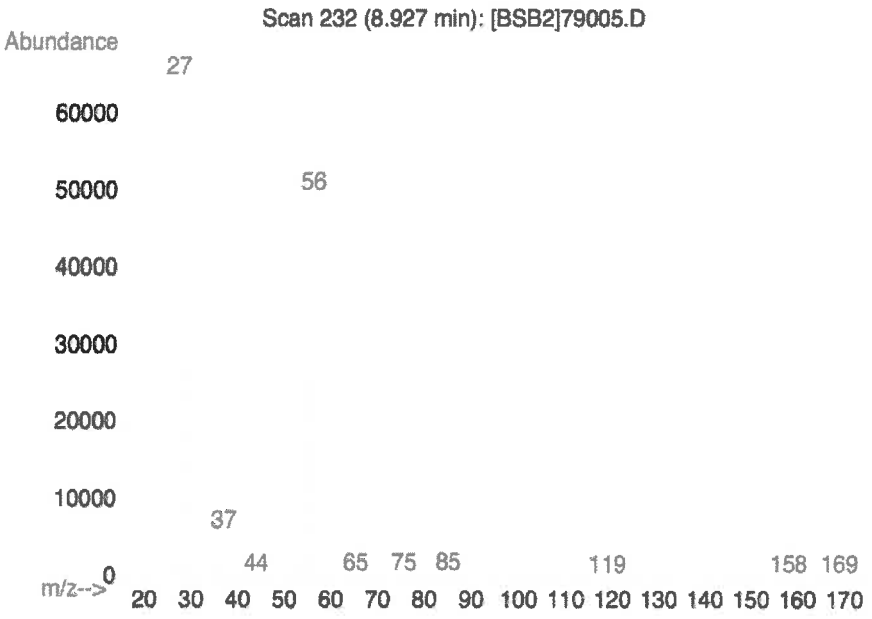
Lawrence Barry 051925
Formulated By: Lawrence Barry DATE

Pedro Rentas 051925
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	0.05170	5004.1	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 by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).**
- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**
  Rev 1.0, 2/25/2025

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 05/21/25

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

5.014

Part Number:	91980
Lot Number:	051925
Description:	Acrolein
Expiration Date:	061925
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): Water **Lot#** 041725Q

J14944-V14948

5E-05 Balance Uncertainty

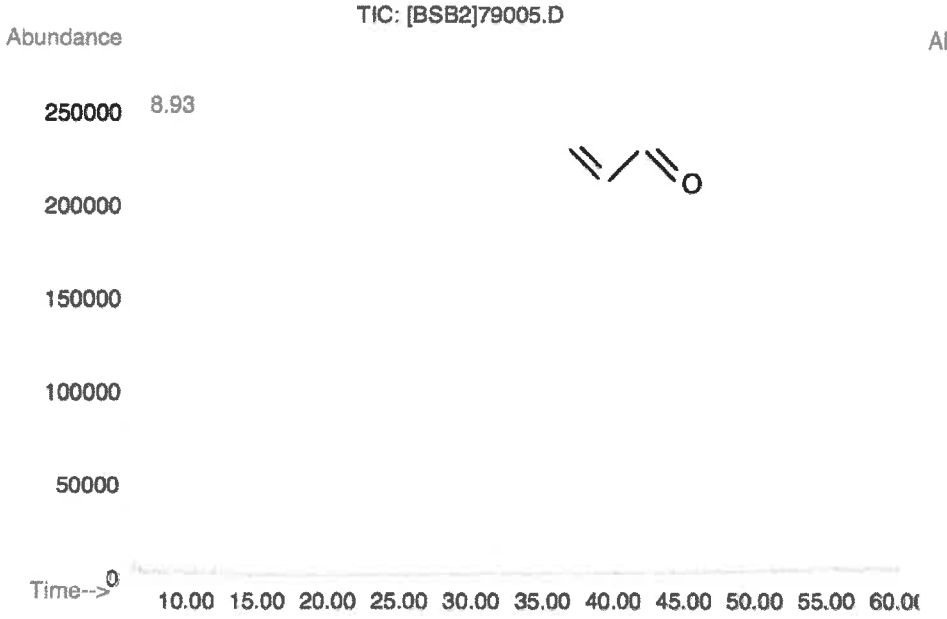
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

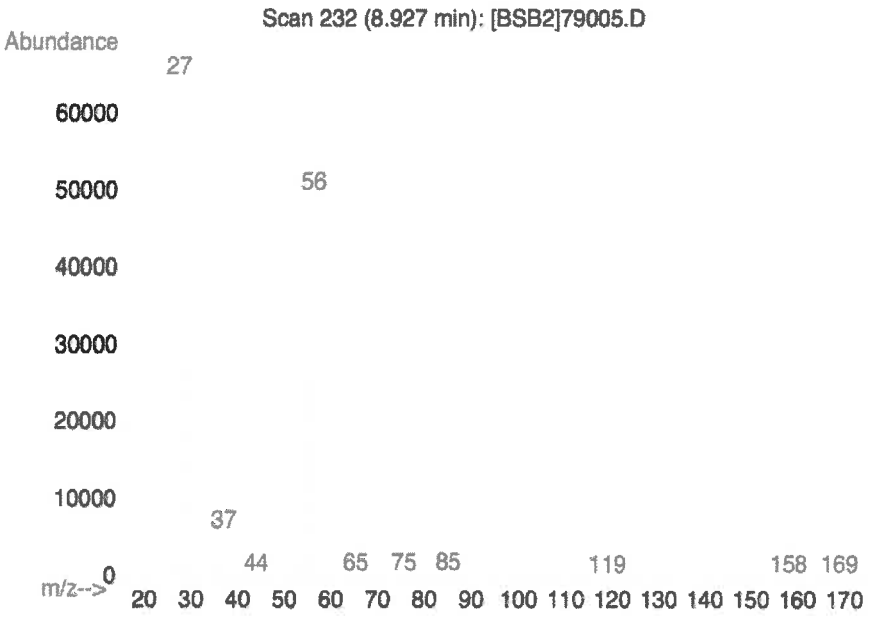
Lawrence Barry 051925
Formulated By: Lawrence Barry DATE

Pedro Rentas 051925
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	0.05170	5004.1	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 by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).**
- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**
  Rev 1.0, 2/25/2025

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

Preservation Log

BalanceID: VOC-SC-2

Review By: pedro

Supervise By: MMDadoda

Seq	LabID	Vial A Weight(g)	Vial A Time	Vial B Weight(g)	Vial B Time	Vial C Weight(g) with MeOH	Vial C Time	Methanol ID	Preservation Date	Comments
1	Q2314-08	5.06	11:00	5.03	11:01	5.03	11:02	V14143	06/13/2025	40 ml terracore

Instructions : For medium Level analysis, 5ml MeOH added for CLP(SOM/SFAM) method and 10ml for regular 8260.

If the samples are not to be analyzed within 48hrs of sampling, preserve samples immediately, Vials A and B are stored in the VOA-FRZ-2.

Vial C - MeOH preserved vials are kept in VOA-REF #6.

QA Contorl # A3041177



SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 78-8922
www.chemtech.net

Chemtech Project Number: Q2314/15

COC Number:

CLIENT INFORMATION

COMPANY: Tetra Tech
ADDRESS: 4433 Corporation Lane Suite 300
CITY: Virginia Beach STATE: VA ZIP: 23462
ATTENTION: Ernie Wu
PHONE: 757-466-4901 FAX: 757-461-4148

PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT #: 112G08005-WE13 LOCATION: VPB-182
PROJECT MANAGER: Ernie Wu
E-MAIL: ernie.wu@tetratech.com
PHONE: 757-466-4901 FAX: 757-461-4148

BILLING INFORMATION

BILL TO: SEE CONTRACT PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: 2 & 10 DAYS*
HARD COPY: 2 & 10 DAYS*
EDD 2 & 10 DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESEULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD Format
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other

ANALYSIS

1	2	3	4	5	6	7	8	9
VOC(SW846-8260B)	1,4 Dioxane (8270 SIM)	Method 522_PREC 1,4-						

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES A	1	2	3	4	5	6	7	8	9	COMMENTS
1.	BP-VPB-182-TB-20250610	QA		X	6/10/25	9:00	2	2										Trip Blank
2.	BP-VPB-182-GW-820-822	AQ		X	6/10/25	13:00	3	3										
3.	BP-VPB-182-GW-840-842	AQ		X	6/11/25	10:00	4	4										
4.	BP-VPB-182-GW-880-882	AQ		X	6/12/25	10:20	3	2	1									
5.	BP-VPB-182-EB-20250612	QA		X	6/12/25	10:40	3	2	1									Equipment Blank
6.	VPB182-HYD-20250612	AQ		X	6/12/25	14:30	4	2	1	1								
7.																		
8.																		
9.																		
10.																		

PRESERVATIVES

COMMENTS <-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER 1.	DATE/TIME 6/12/25 1630	RECEIVED BY 1.	1532 6-12-25
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.	
RELINQUISHED BY 3.	DATE/TIME 6-12-25 1810	RECEIVED FOR LAB BY 3.	

Conditions of bottles or coolers at receipt: q Compliant q Non Compliant q Cooler Temp 2.4°C
MeOH extraction requires an additional 4oz. Jar for percent solid q Ice in
Cooler?:
Comments: 2 Day TAT - For VOC's see worksheet #15 of SAP 2018 for VPB program VOC list
10-DAY TAT - For 1,4 Dioxane (8270 SIM)

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
CHEMTECH: ☐ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPYFOR RETURN TO CLIENT **YELLOW** - CHEMTECH 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 : Q2314 TETR06 **Order Date :** 6/12/2025 3:59:00 PM **Project Mgr :** Yazmeen

Client Name : Tetra Tech NUS, Inc. **Project Name :** NWIRP Bethpage 112G080 **Report Type :** Level 4

Client Contact : Ernie Wu **Receive DateTime :** 6/12/2025 6:40:00 PM **EDD Type :** ADAPT

Invoice Name : Tetra Tech NUS, Inc. **Purchase Order :** **Hard Copy Date :**

Invoice Contact : Ernie Wu **Date Signoff :** 6/13/2025 10:52:25 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
Q2314-01	BP-VPB-182-TB-20250610	Water	06/10/2025	09:00						
					VOCMS Group1		8260-Low	2 Bus. Days	06/16/2025	
Q2314-02	BP-VPB-182-GW-820-822	Water	06/10/2025	13:00						
					VOCMS Group1		8260-Low	2 Bus. Days	06/16/2025	
Q2314-04	BP-VPB-182-GW-880-882	Water	06/12/2025	10:20						
					VOCMS Group1		8260-Low	2 Bus. Days	06/16/2025	
Q2314-05	BP-VPB-182-EB-20250612	Water	06/12/2025	10:40						
					VOCMS Group1		8260-Low	2 Bus. Days	06/16/2025	
Q2314-06	VPB182-HYD-20250612	Water	06/12/2025	14:30						
					VOCMS Group1		8260-Low	2 Bus. Days	06/16/2025	
Q2314-08	BP-VPB-182-GW-840-842	Solid	06/11/2025	10:00						
					VOCMS Group1		8260D	2 Bus. Days	06/16/2025	

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q2314 TETR06	**Order Date :**	6/12/2025 3:59:00 PM	**Project Mgr :**	Yazmeen
Client Name :	Tetra Tech NUS, Inc.	**Project Name :**	NWIRP Bethpage 112G080	**Report Type :**	Level 4
Client Contact :	Ernie Wu	**Receive DateTime :**	6/12/2025 6:40:00 PM	**EDD Type :**	ADAPT
Invoice Name :	Tetra Tech NUS, Inc.	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Ernie Wu			**Date Signoff :**	6/13/2025 10:52:25 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : _____
Date / Time : 6/13/25 0745

Cooler Received on 6/12/25 @ 18:40
Placed in SM-REF 2.

Received By : Sam
Date / Time : 06/13/25 7.45

Storage Area : VOA Refridgerator Room

Refrig 4
Fz 2

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086862.D
Acq On : 06 Jun 2025 12:44
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : VSTDICC001

Quant Time: Jun 07 01:54:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.235	168	212682	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.106	114	393457	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	348010	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	167399	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.594	65	3429	1.204	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	2.400%#			
35) Dibromofluoromethane	8.171	113	2626	1.126	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	2.260%#			
50) Toluene-d8	10.570	98	10645	1.153	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	2.300%#			
62) 4-Bromofluorobenzene	12.853	95	4252	1.240	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	2.480%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.153	85	1985	0.936	ug/l		72
3) Chloromethane	2.400	50	3241	1.184	ug/l		98
4) Vinyl Chloride	2.559	62	2848	1.008	ug/l	#	88
5) Bromomethane	3.006	94	1886	1.193	ug/l		93
6) Chloroethane	3.159	64	1957	1.073	ug/l	#	79
7) Trichlorofluoromethane	3.530	101	3752	1.017	ug/l		97
8) Diethyl Ether	3.994	74	1583	0.984	ug/l		76
9) 1,1,2-Trichlorotrifluo...	4.394	101	1332	0.574	ug/l	#	55
10) Methyl Iodide	4.624	142	3165	1.053	ug/l	#	67
11) Tert butyl alcohol	5.547	59	4268	5.524	ug/l	#	77
12) 1,1-Dichloroethene	4.365	96	2436	1.029	ug/l		85
13) Acrolein	4.194	56	1467	5.998	ug/l		85
14) Allyl chloride	5.041	41	4189	1.067	ug/l	#	75
15) Acrylonitrile	5.735	53	9222	5.106	ug/l		96
16) Acetone	4.459	43	9069	6.006	ug/l		95
17) Carbon Disulfide	4.730	76	7306	1.116	ug/l		97
18) Methyl Acetate	5.053	43	4402	1.000	ug/l	#	66
19) Methyl tert-butyl Ether	5.824	73	9019	1.052	ug/l		92
20) Methylene Chloride	5.294	84	3496	1.237	ug/l		93
21) trans-1,2-Dichloroethene	5.800	96	2979	1.131	ug/l		87
22) Diisopropyl ether	6.682	45	8584	1.037	ug/l	#	96
23) Vinyl Acetate	6.618	43	37075	5.303	ug/l		95
24) 1,1-Dichloroethane	6.588	63	5071	1.065	ug/l	#	81
25) 2-Butanone	7.500	43	12841	5.231	ug/l		93
26) 2,2-Dichloropropane	7.500	77	4112	1.110	ug/l		94
27) cis-1,2-Dichloroethene	7.494	96	3345	1.062	ug/l		95
28) Bromochloromethane	7.824	49	2464	1.052	ug/l	#	88
29) Tetrahydrofuran	7.853	42	8301	5.191	ug/l		100
30) Chloroform	7.971	83	5255	1.105	ug/l		97
31) Cyclohexane	8.247	56	9143	1.980	ug/l	#	28
32) 1,1,1-Trichloroethane	8.171	97	4378	1.082	ug/l	#	50
36) 1,1-Dichloropropene	8.376	75	3678	1.059	ug/l		96
37) Ethyl Acetate	7.577	43	4282	0.968	ug/l	#	78
38) Carbon Tetrachloride	8.376	117	3563	1.045	ug/l	#	93
39) Methylcyclohexane	9.606	83	4981	1.046	ug/l	#	90
40) Benzene	8.612	78	12498	1.100	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086862.D
Acq On : 06 Jun 2025 12:44
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Jun 07 01:54:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.782	41	2799	1.127	ug/l		89
42) 1,2-Dichloroethane	8.682	62	3725	1.081	ug/l		82
43) Isopropyl Acetate	8.694	43	7673	1.081	ug/l	#	96
44) Trichloroethene	9.365	130	2822	1.047	ug/l		71
45) 1,2-Dichloropropane	9.629	63	2883	1.043	ug/l		95
46) Dibromomethane	9.712	93	1835	0.999	ug/l		94
47) Bromodichloromethane	9.888	83	4017	1.063	ug/l	#	96
48) Methyl methacrylate	9.688	41	3492	1.069	ug/l		88
49) 1,4-Dioxane	9.706	88	1004	16.891	ug/l	#	74
51) 4-Methyl-2-Pentanone	10.453	43	19886	4.653	ug/l		99
52) Toluene	10.635	92	7227	1.041	ug/l		95
53) t-1,3-Dichloropropene	10.841	75	4494	1.064	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	4792	1.060	ug/l		97
55) 1,1,2-Trichloroethane	11.023	97	2828	1.058	ug/l		89
56) Ethyl methacrylate	10.882	69	3406	0.800	ug/l	#	85
57) 1,3-Dichloropropane	11.170	76	5062	1.092	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	10924	4.304	ug/l		97
59) 2-Hexanone	11.235	43	5016	1.822	ug/l	#	35
60) Dibromochloromethane	11.359	129	2843	1.021	ug/l		96
61) 1,2-Dibromoethane	11.470	107	2777	1.014	ug/l		96
64) Tetrachloroethene	11.106	164	2473	1.123	ug/l		94
65) Chlorobenzene	11.894	112	8581	1.118	ug/l	#	87
66) 1,1,1,2-Tetrachloroethane	11.959	131	2523	1.023	ug/l	#	63
67) Ethyl Benzene	11.970	91	13845	1.047	ug/l		94
68) m/p-Xylenes	12.070	106	10163	2.008	ug/l		95
69) o-Xylene	12.400	106	4970	1.025	ug/l		93
70) Styrene	12.417	104	8189	0.987	ug/l		98
71) Bromoform	12.582	173	1508	0.825	ug/l	#	78
73) Isopropylbenzene	12.694	105	12938	1.061	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	4326	1.047	ug/l	#	93
76) 1,2,3-Trichloropropane	13.000	75	5925	1.484	ug/l		65
77) Bromobenzene	12.982	156	2913	1.042	ug/l		96
78) n-propylbenzene	13.035	91	15168	1.023	ug/l		98
79) 2-Chlorotoluene	13.123	91	9550	1.074	ug/l		97
80) 1,3,5-Trimethylbenzene	13.170	105	10058	0.999	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.741	75	1392	0.805	ug/l		92
82) 4-Chlorotoluene	13.223	91	9706	1.079	ug/l		96
83) tert-Butylbenzene	13.435	119	9849	1.069	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	9882	0.979	ug/l		99
85) sec-Butylbenzene	13.617	105	13775	1.029	ug/l		100
86) p-Isopropyltoluene	13.729	119	11065	1.000	ug/l		97
87) 1,3-Dichlorobenzene	13.735	146	5903	1.073	ug/l		94
88) 1,4-Dichlorobenzene	13.735	146	5903	1.052	ug/l		93
89) n-Butylbenzene	14.058	91	11627	1.085	ug/l		94
90) Hexachloroethane	14.329	117	1942	1.036	ug/l		93
91) 1,2-Dichlorobenzene	14.106	146	5607	1.061	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	1136	1.150	ug/l		78
93) 1,2,4-Trichlorobenzene	15.388	180	3489	1.034	ug/l		98
94) Hexachlorobutadiene	15.500	225	1219	0.969	ug/l		88
95) Naphthalene	15.635	128	12789	1.018	ug/l		98
96) 1,2,3-Trichlorobenzene	15.835	180	3594	1.072	ug/l		96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086862.D
Acq On : 06 Jun 2025 12:44
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Jun 07 01:54:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

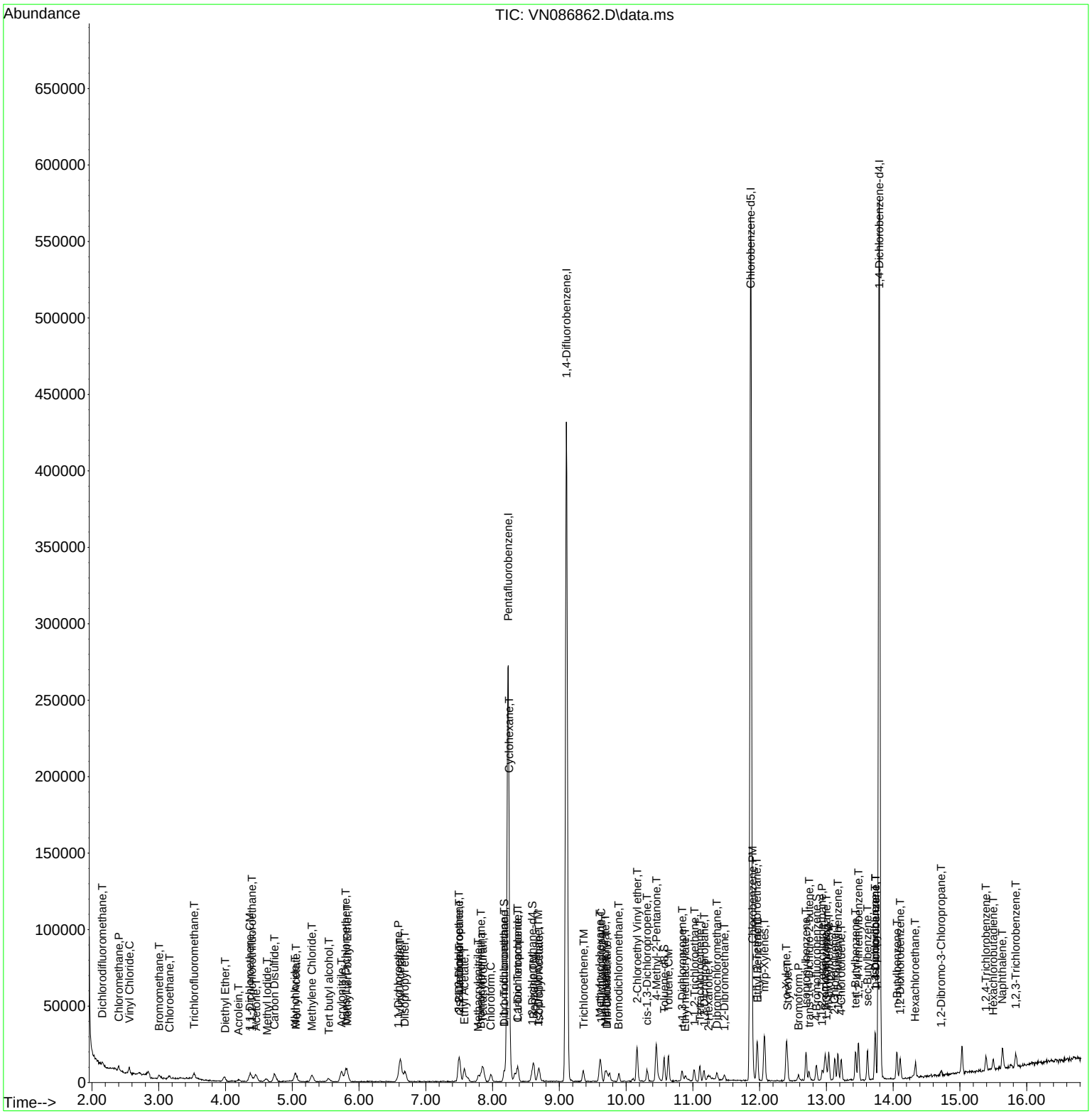
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

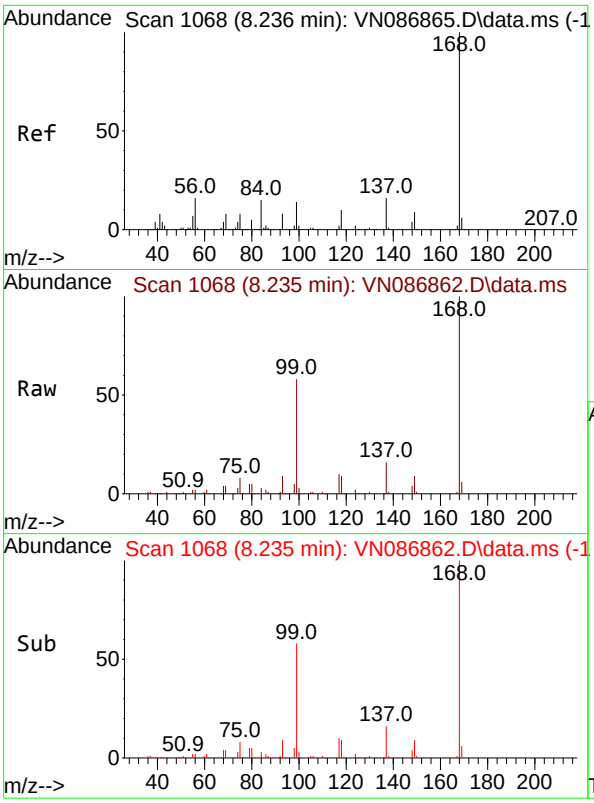
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086862.D
Acq On : 06 Jun 2025 12:44
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Jun 07 01:54:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration



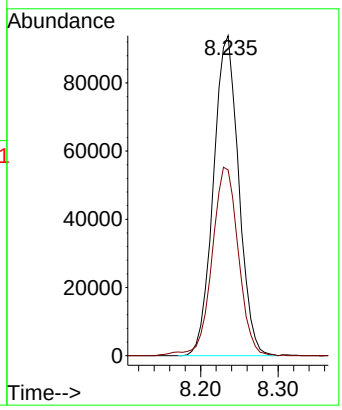


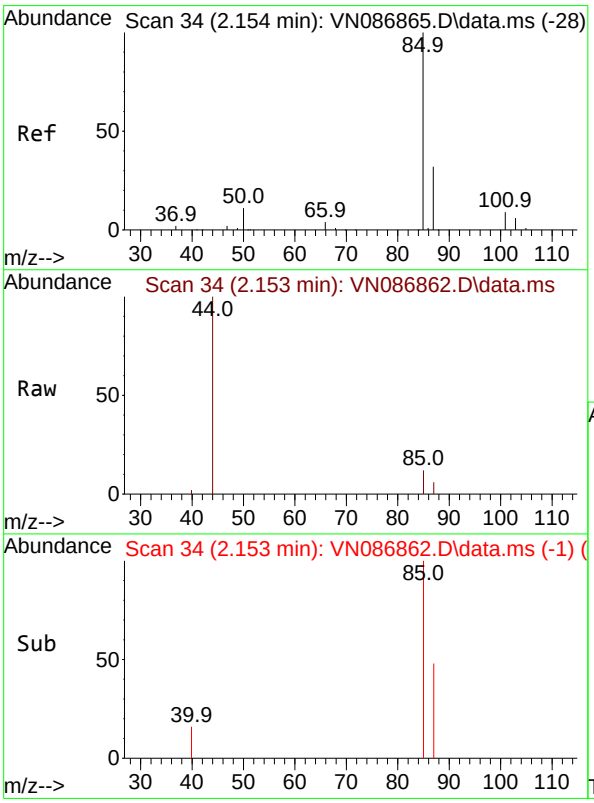
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 212682

Ion	Ratio	Lower	Upper
168	100		
99	58.1	49.1	73.7

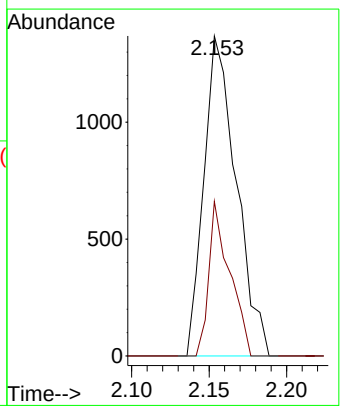


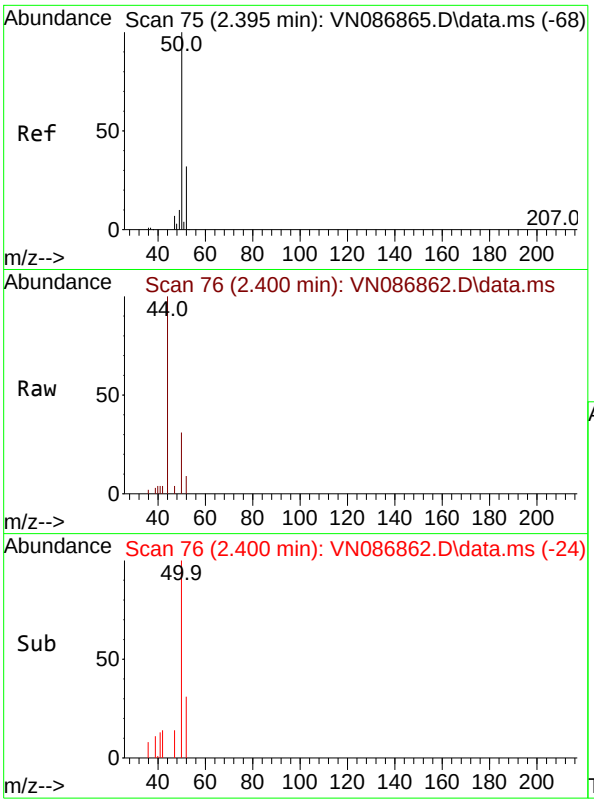


#2
Dichlorodifluoromethane
Concen: 0.936 ug/l
RT: 2.153 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 85 Resp: 1985

Ion	Ratio	Lower	Upper
85	100		
87	48.3	16.2	48.6



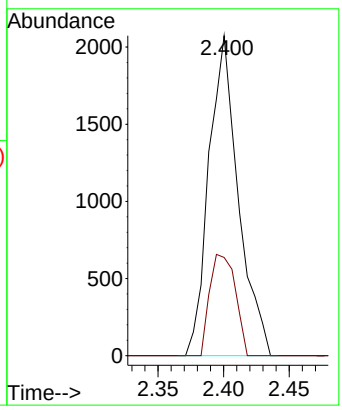


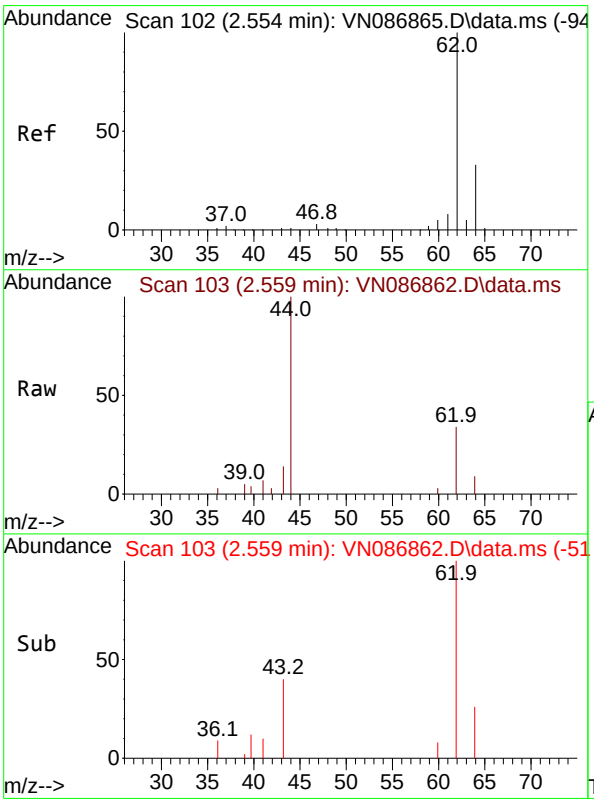
#3
Chloromethane
Concen: 1.184 ug/l
RT: 2.400 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 3241

Ion	Ratio	Lower	Upper
50	100		
52	30.7	25.7	38.5

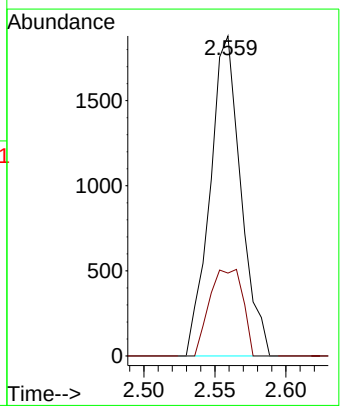


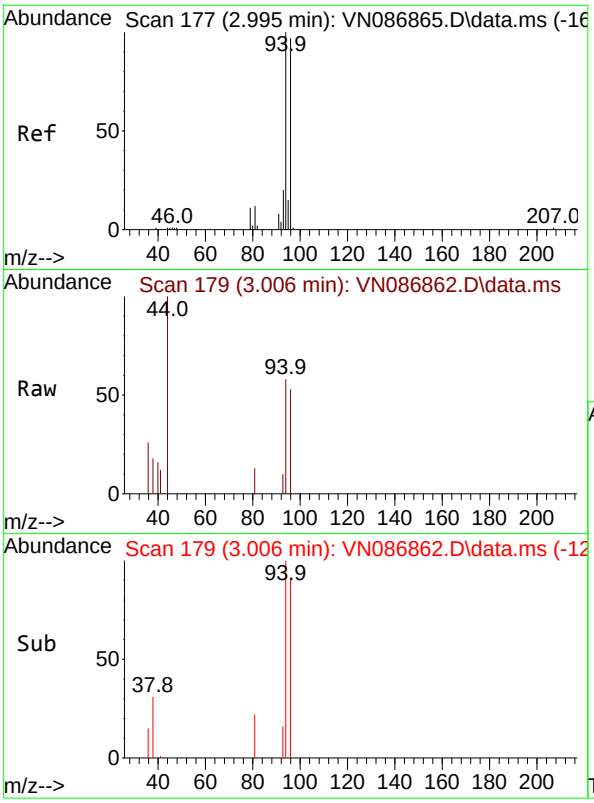


#4
Vinyl Chloride
Concen: 1.008 ug/l
RT: 2.559 min Scan# 103
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 62 Resp: 2848

Ion	Ratio	Lower	Upper
62	100		
64	25.9	26.0	39.0#



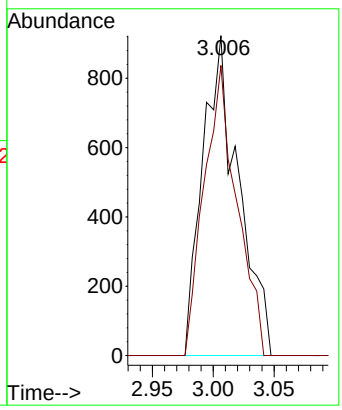


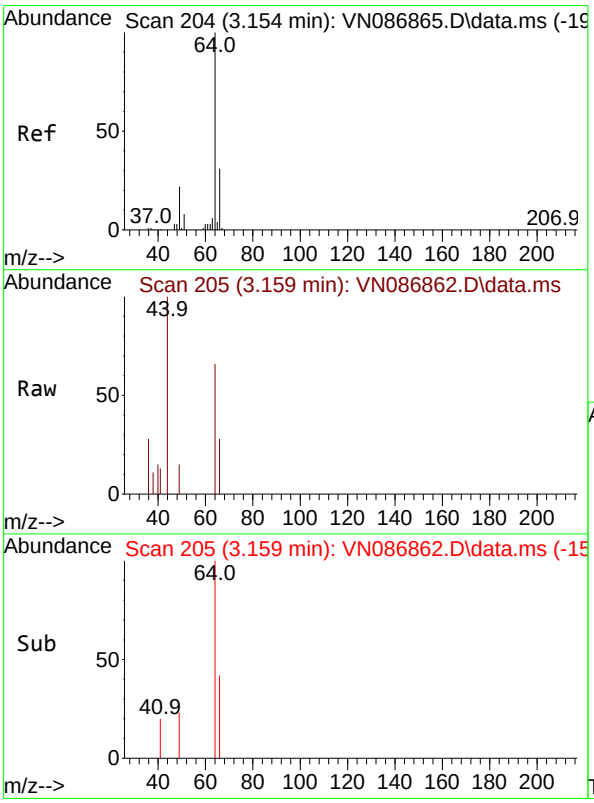
#5
Bromomethane
Concen: 1.193 ug/l
RT: 3.006 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 1886

Ion	Ratio	Lower	Upper
94	100		
96	90.7	77.9	116.9

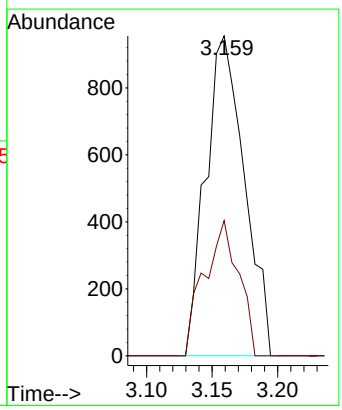


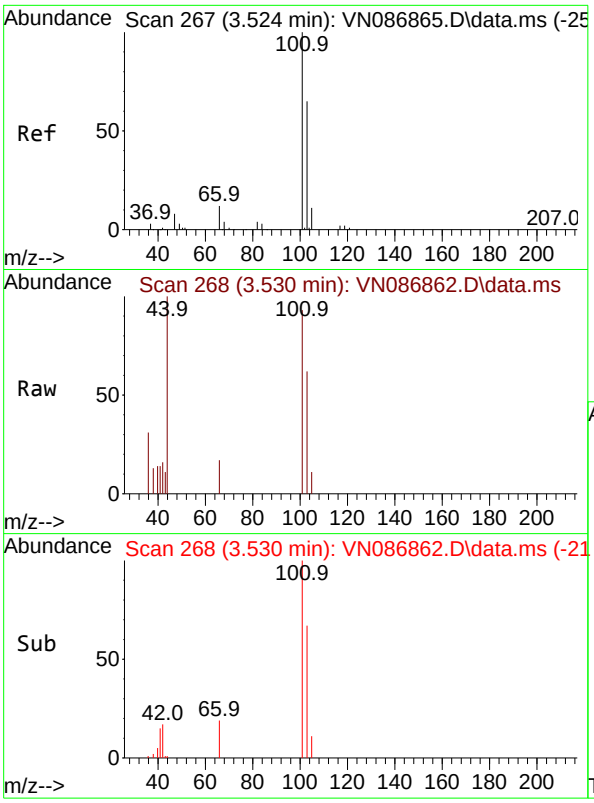


#6
Chloroethane
Concen: 1.073 ug/l
RT: 3.159 min Scan# 205
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 64 Resp: 1957

Ion	Ratio	Lower	Upper
64	100		
66	42.3	24.6	36.8#



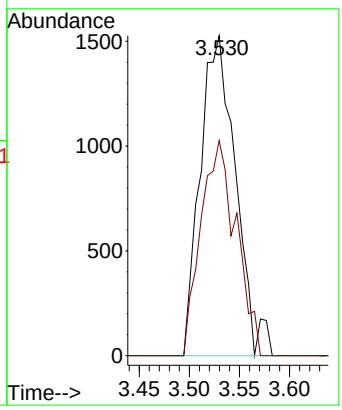


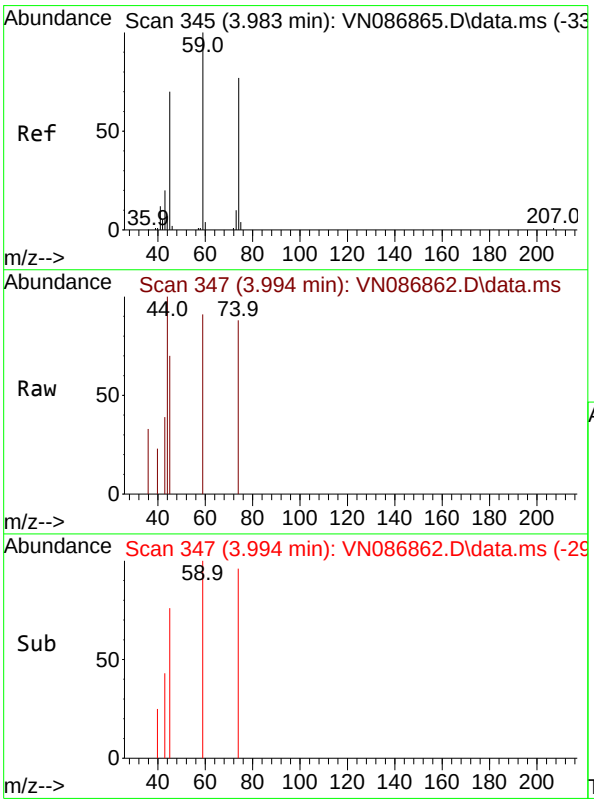
#7
Trichlorofluoromethane
Concen: 1.017 ug/l
RT: 3.530 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 3752

Ion	Ratio	Lower	Upper
101	100		
103	67.2	52.2	78.2

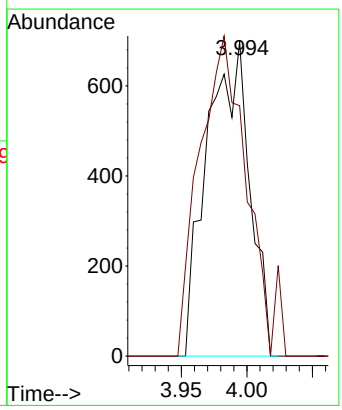


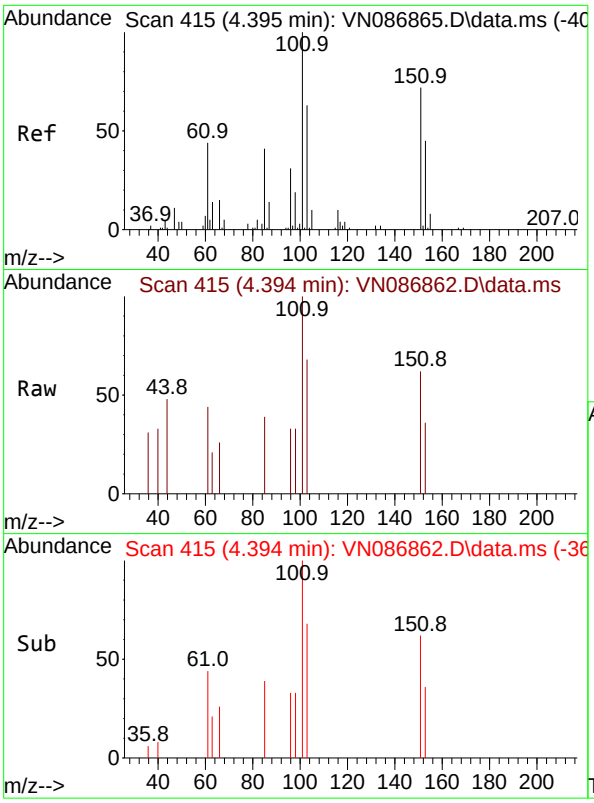


#8
Diethyl Ether
Concen: 0.984 ug/l
RT: 3.994 min Scan# 347
Delta R.T. 0.011 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 74 Resp: 1583

Ion	Ratio	Lower	Upper
74	100		
45	113.8	45.5	136.5



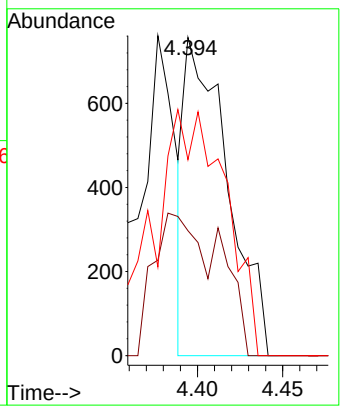


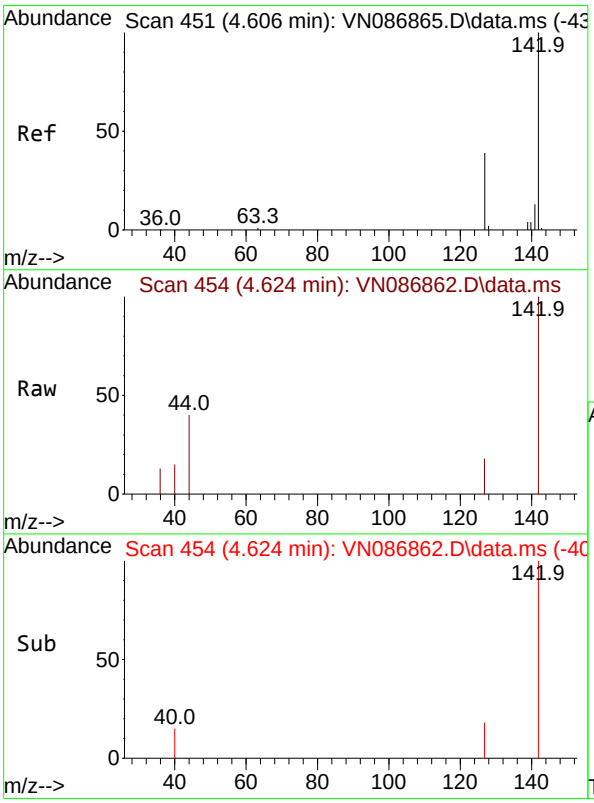
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.574 ug/l
RT: 4.394 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 1332

Ion	Ratio	Lower	Upper
101	100		
85	49.2	33.8	50.8
151	127.6	58.7	88.1#

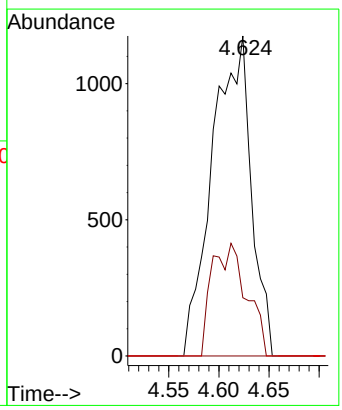


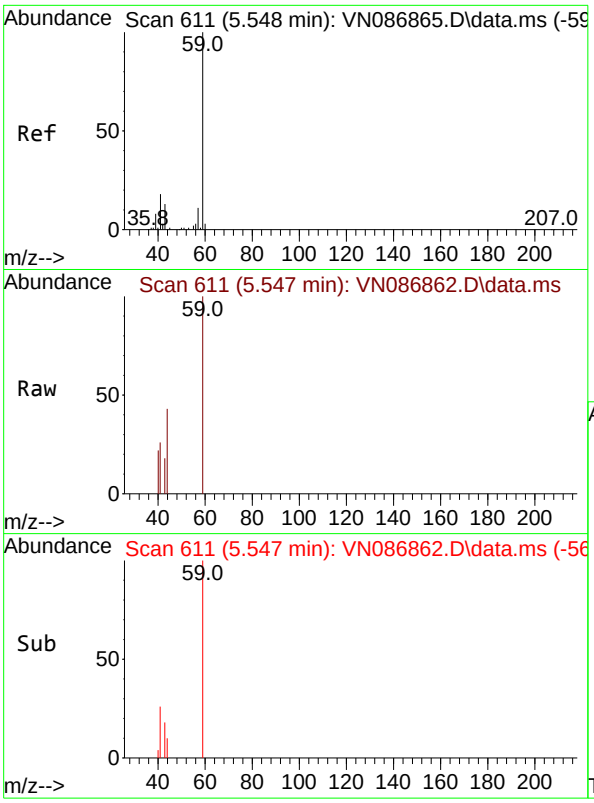


#10
Methyl Iodide
Concen: 1.053 ug/l
RT: 4.624 min Scan# 454
Delta R.T. 0.017 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:142 Resp: 3165

Ion	Ratio	Lower	Upper
142	100		
127	18.2	30.9	46.3#
141	0.0	10.4	15.6#



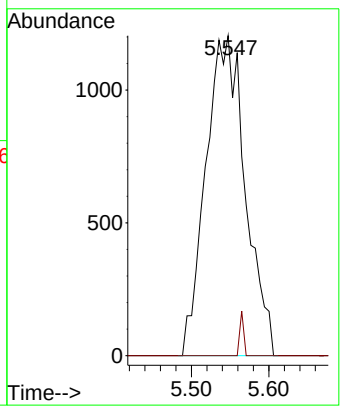


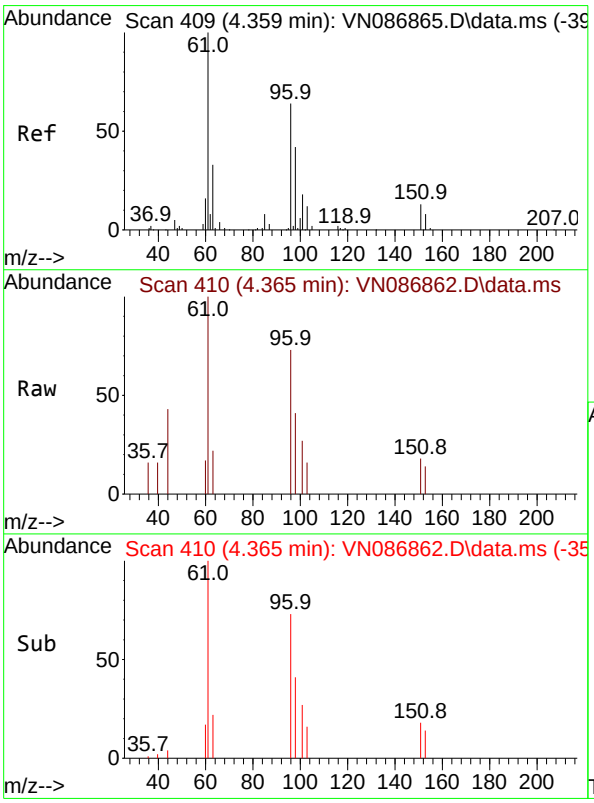
#11
Tert butyl alcohol
Concen: 5.524 ug/l
RT: 5.547 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 4268

Ion	Ratio	Lower	Upper
59	100		
57	1.4	8.1	12.1#

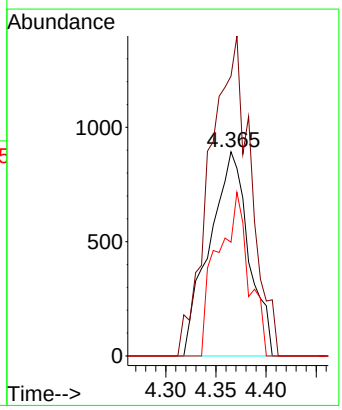


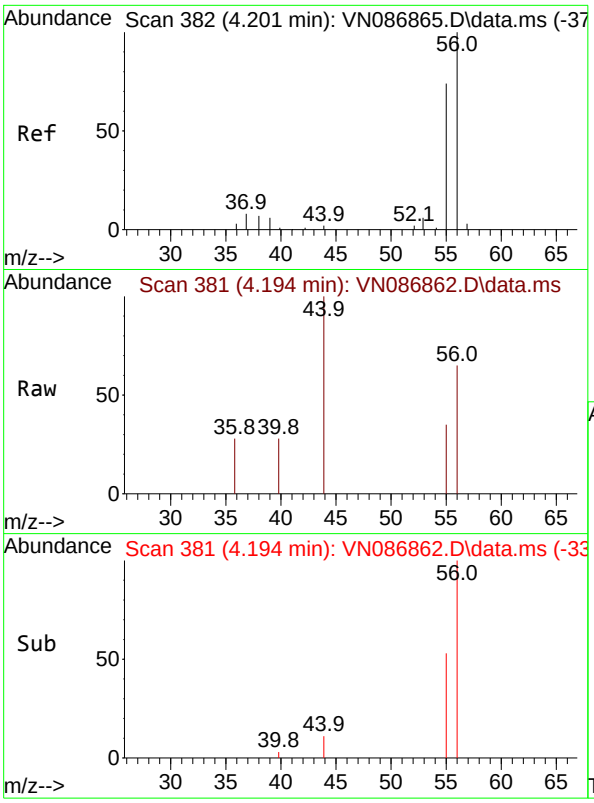


#12
1,1-Dichloroethene
Concen: 1.029 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 96 Resp: 2436

Ion	Ratio	Lower	Upper
96	100		
61	137.1	125.8	188.6
98	55.8	52.5	78.7



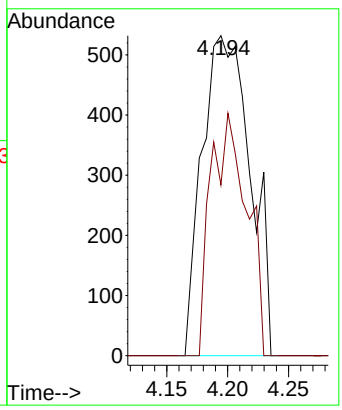


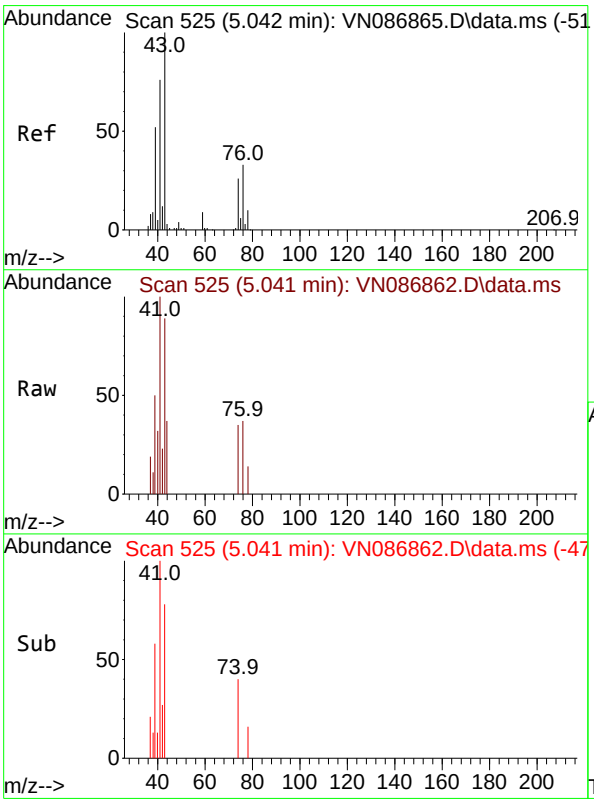
#13
Acrolein
Concen: 5.998 ug/l
RT: 4.194 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 1467

Ion	Ratio	Lower	Upper
56	100		
55	56.9	55.6	83.4

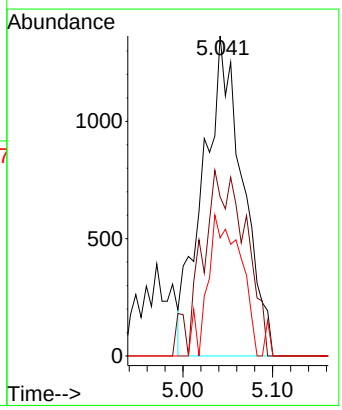


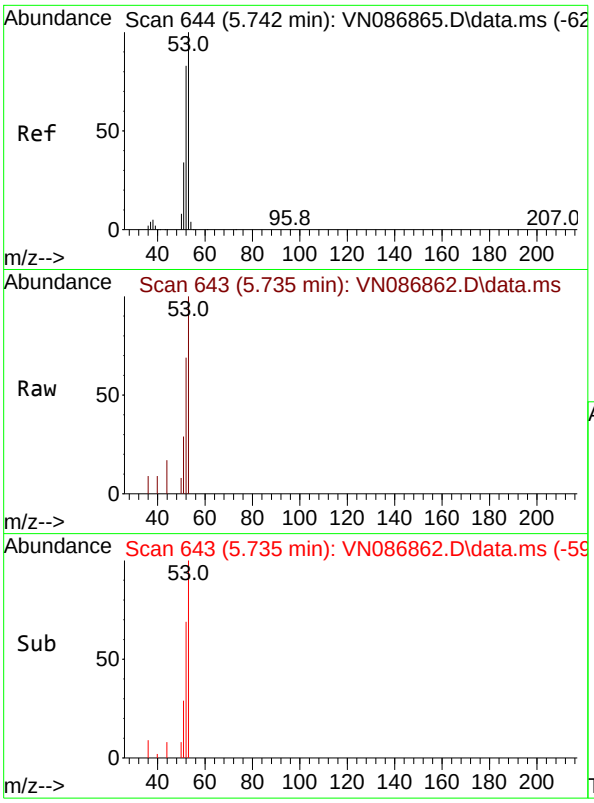


#14
Allyl chloride
Concen: 1.067 ug/l
RT: 5.041 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 41 Resp: 4189

Ion	Ratio	Lower	Upper
41	100		
39	35.3	51.3	76.9#
76	36.4	31.4	47.0



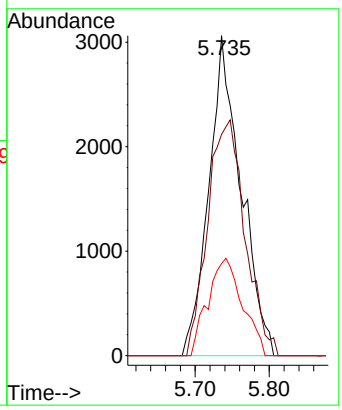


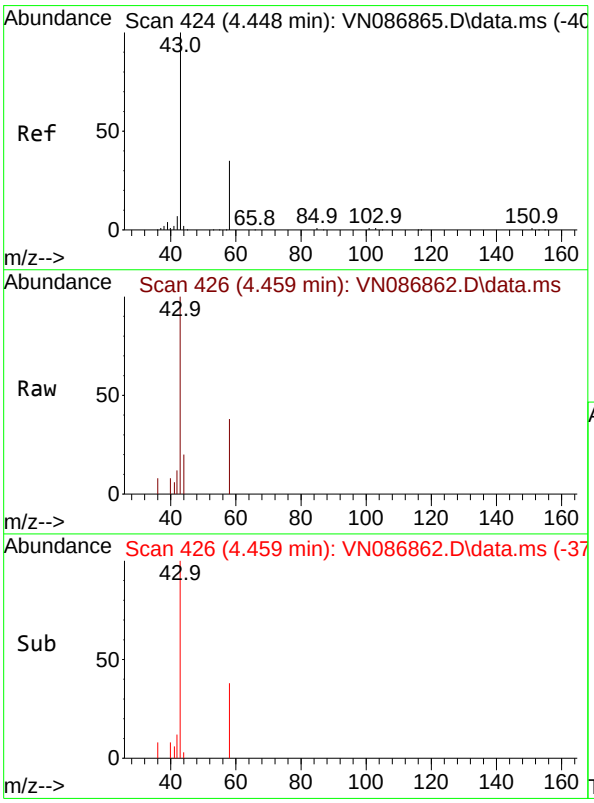
#15
Acrylonitrile
Concen: 5.106 ug/l
RT: 5.735 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 9222

Ion	Ratio	Lower	Upper
53	100		
52	85.4	65.0	97.6
51	32.7	27.2	40.8

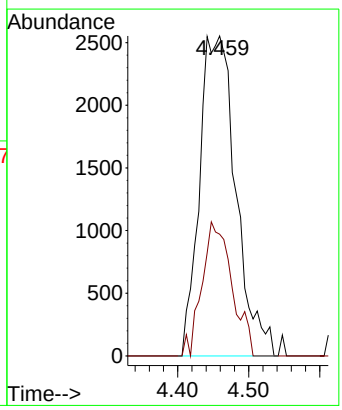


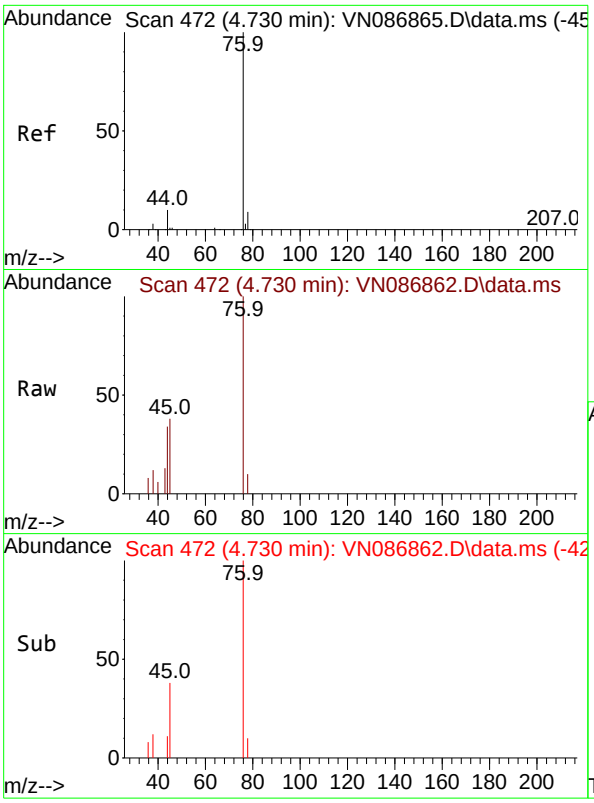


#16
Acetone
Concen: 6.006 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.011 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 43 Resp: 9069

Ion	Ratio	Lower	Upper
43	100		
58	38.0	28.0	42.0



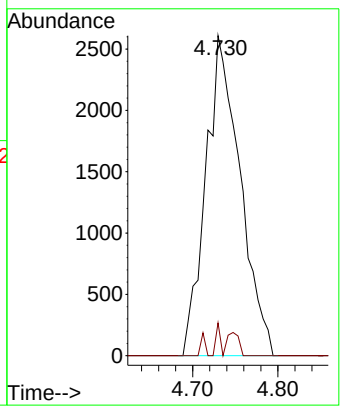


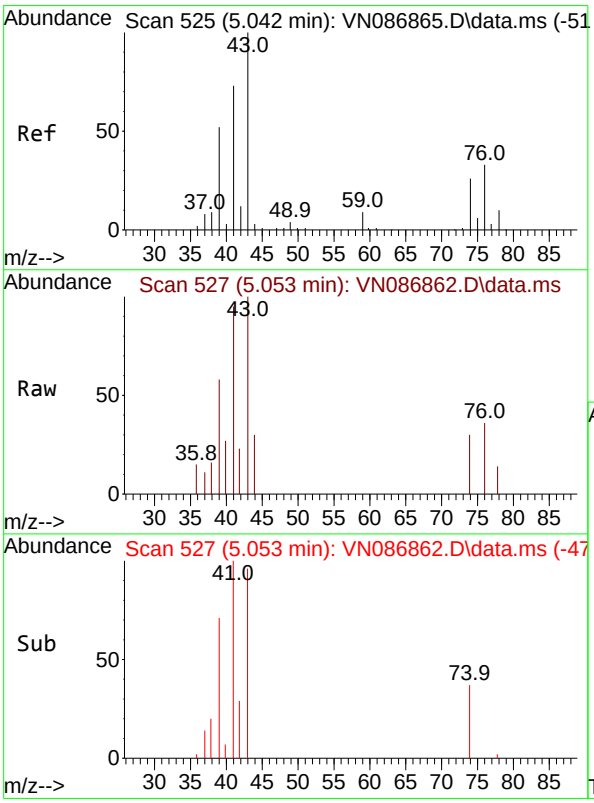
#17
Carbon Disulfide
Concen: 1.116 ug/l
RT: 4.730 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 7306

Ion	Ratio	Lower	Upper
76	100		
78	10.3	7.3	10.9

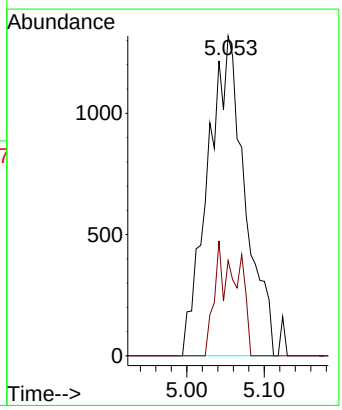


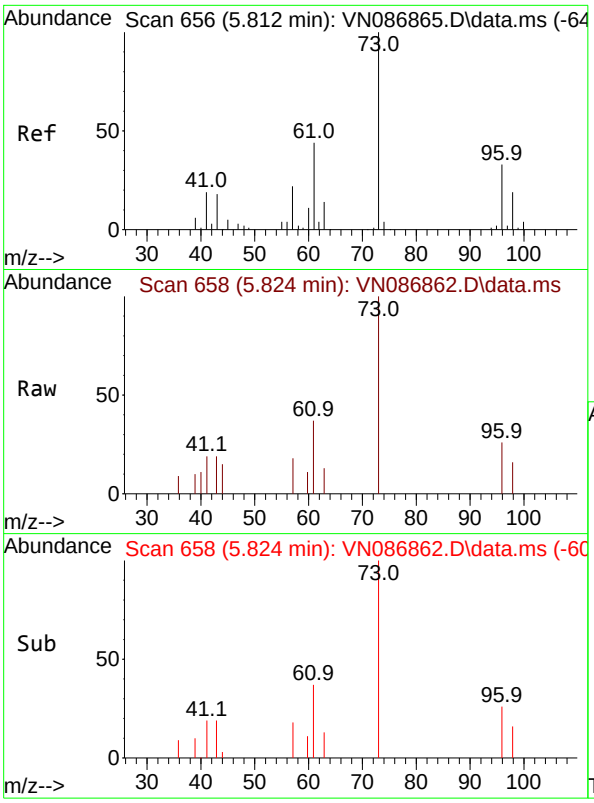


#18
Methyl Acetate
Concen: 1.000 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.011 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 43 Resp: 4402

Ion	Ratio	Lower	Upper
43	100		
74	8.7	20.7	31.1#



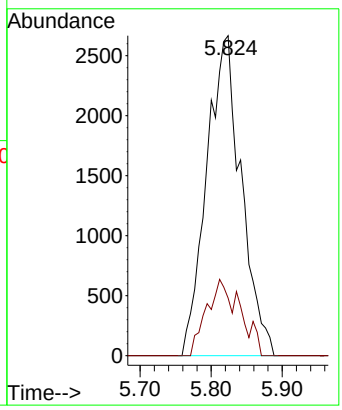


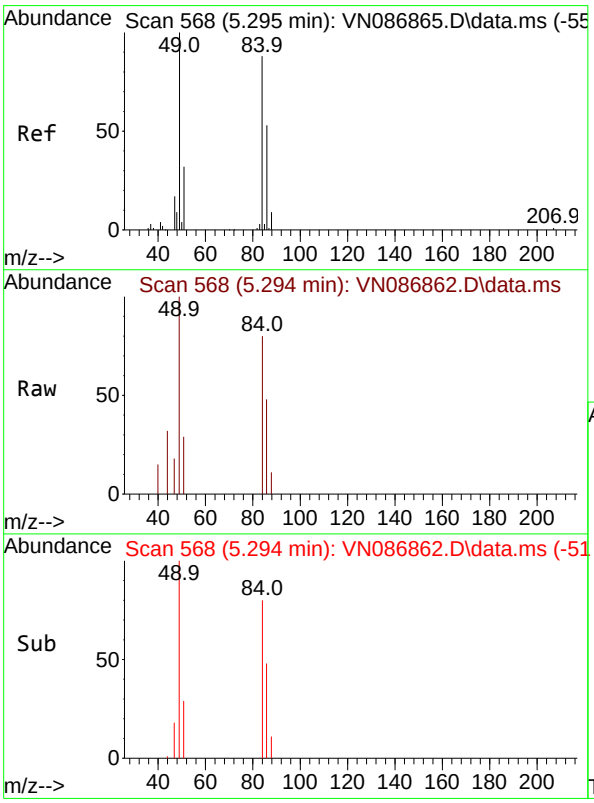
#19
Methyl tert-butyl Ether
Concen: 1.052 ug/l
RT: 5.824 min Scan# 6
Delta R.T. 0.011 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 9019

Ion	Ratio	Lower	Upper
73	100		
57	18.0	17.4	26.2

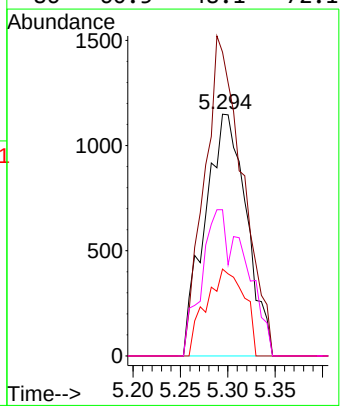


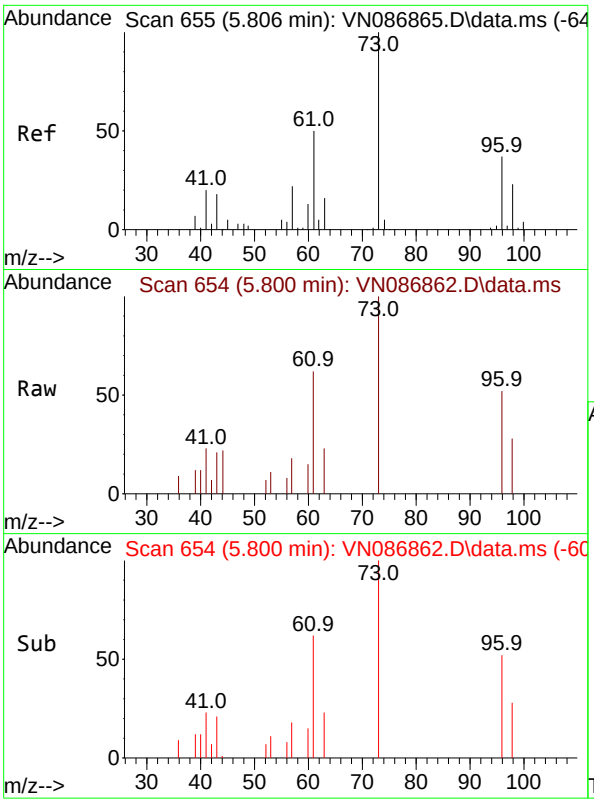


#20
Methylene Chloride
Concen: 1.237 ug/l
RT: 5.294 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 84 Resp: 3496

Ion	Ratio	Lower	Upper
84	100		
49	125.7	90.5	135.7
51	35.9	28.5	42.7
86	60.5	48.1	72.1



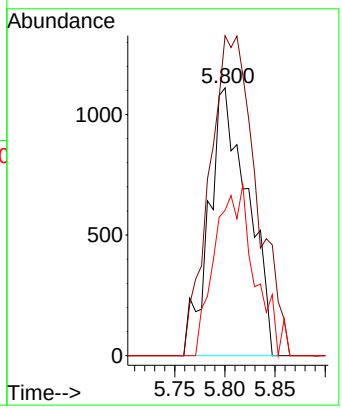


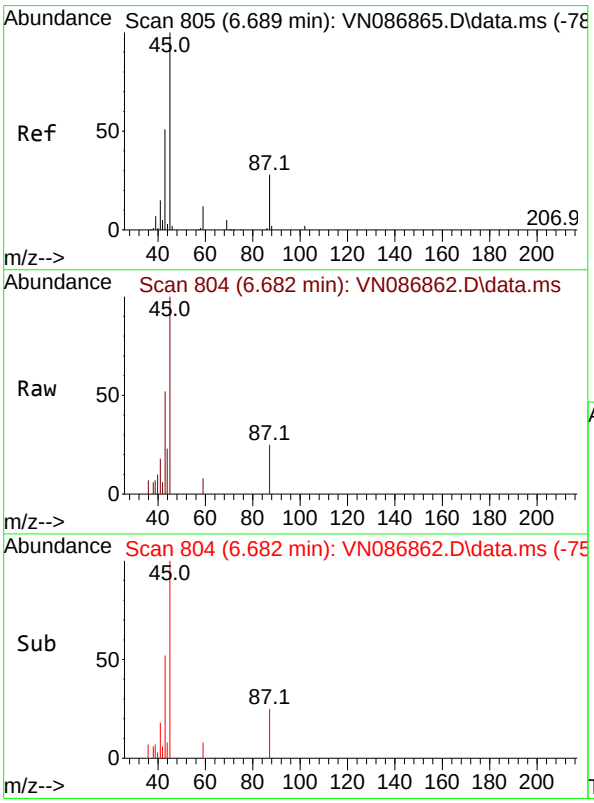
#21
trans-1,2-Dichloroethene
Concen: 1.131 ug/l
RT: 5.800 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 2979

Ion	Ratio	Lower	Upper
96	100		
61	119.4	109.2	163.8
98	54.3	49.8	74.8

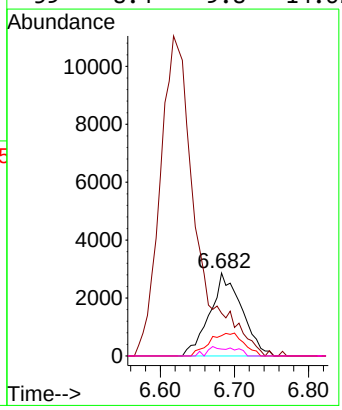


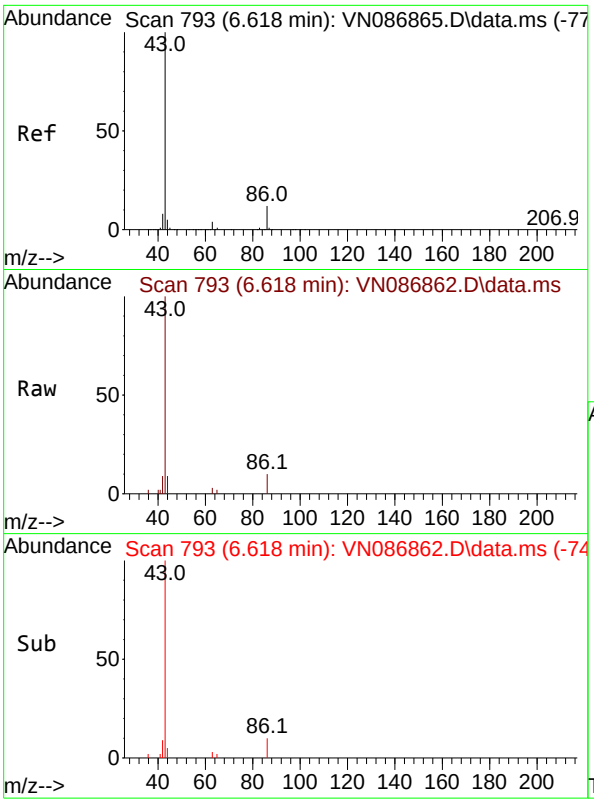


#22
Diisopropyl ether
Concen: 1.037 ug/l
RT: 6.682 min Scan# 804
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 45 Resp: 8584

Ion	Ratio	Lower	Upper
45	100		
43	51.5	41.9	62.9
87	24.5	22.4	33.6
59	8.4	9.8	14.6#



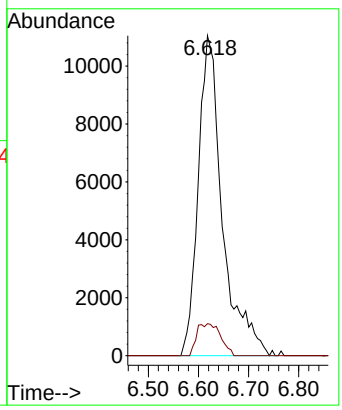


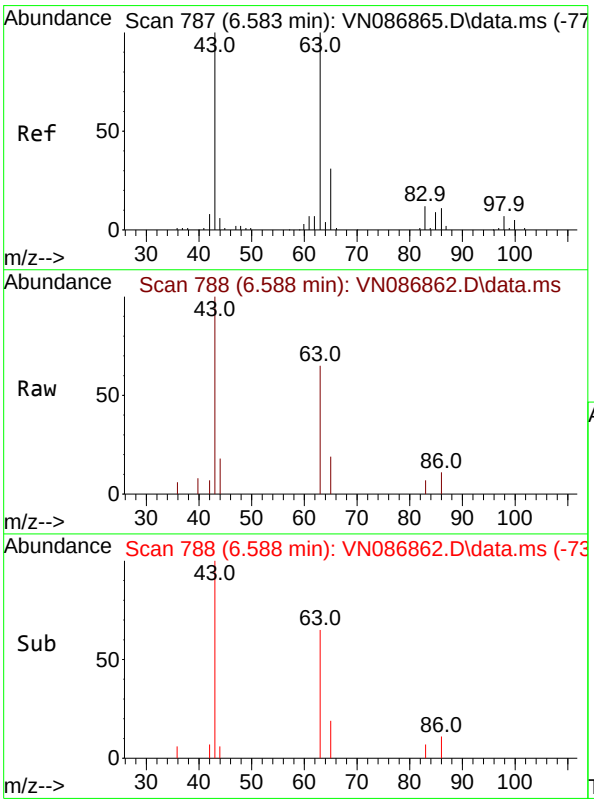
#23
Vinyl Acetate
Concen: 5.303 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 37075

Ion	Ratio	Lower	Upper
43	100		
86	10.0	9.5	14.3

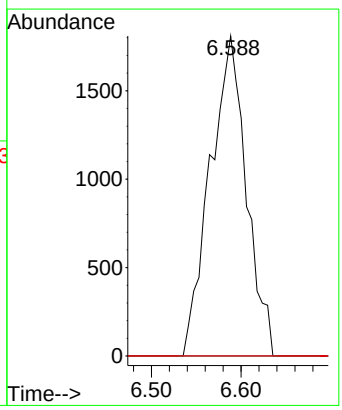


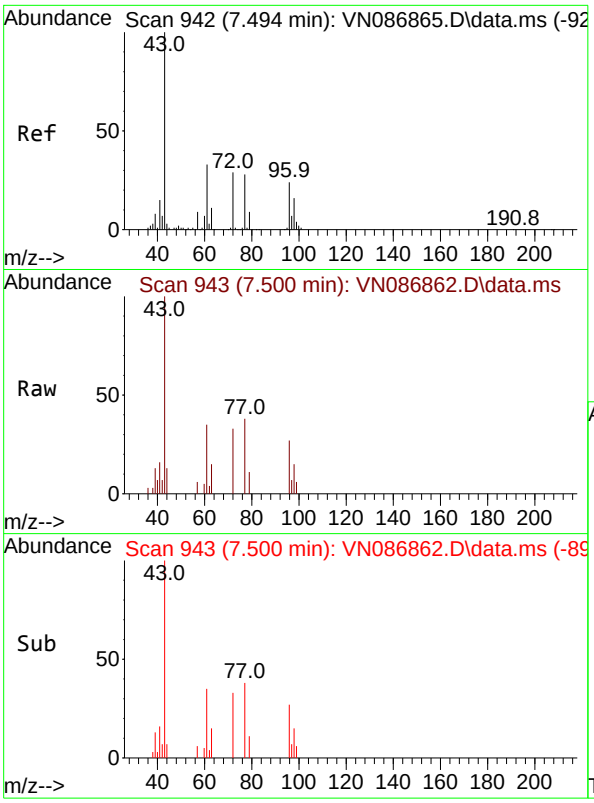


#24
1,1-Dichloroethane
Concen: 1.065 ug/l
RT: 6.588 min Scan# 788
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 63 Resp: 5071

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.6	10.8#
100	0.0	2.6	7.8#



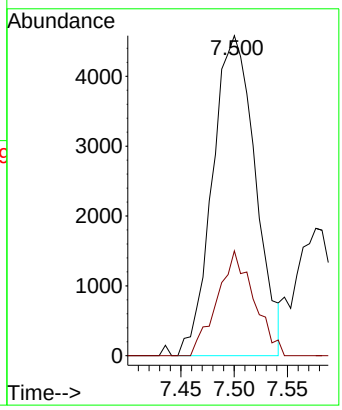


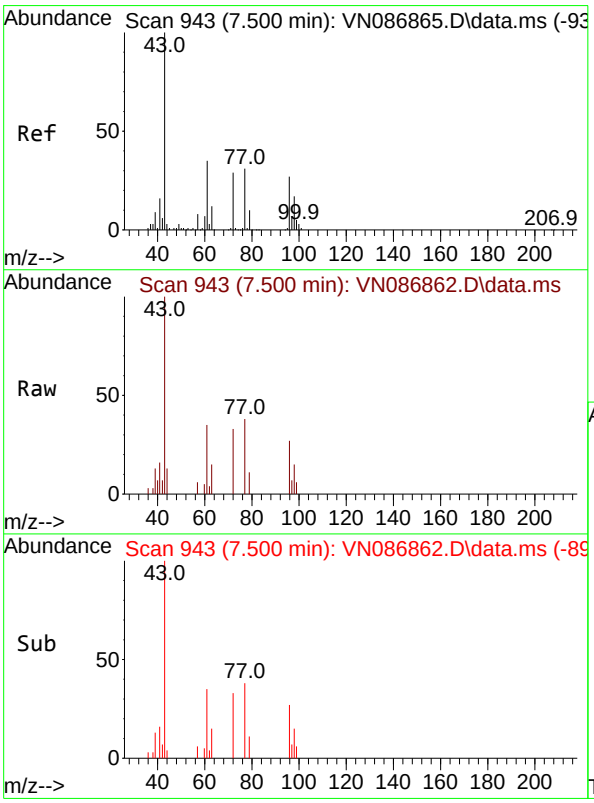
#25
2-Butanone
Concen: 5.231 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 12841

Ion	Ratio	Lower	Upper
43	100		
72	32.7	23.0	34.6

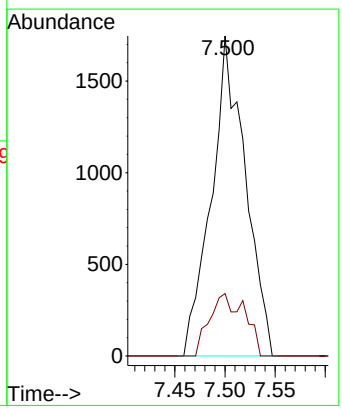


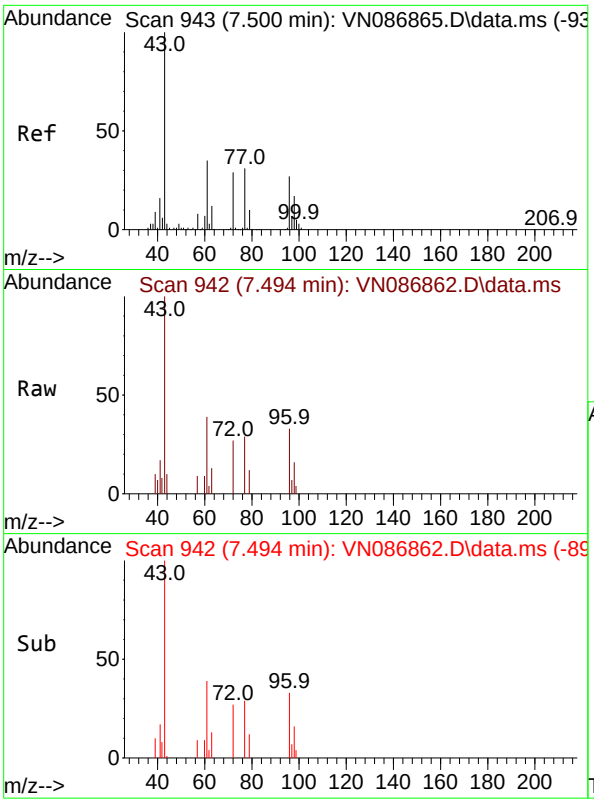


#26
2,2-Dichloropropane
Concen: 1.110 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 77 Resp: 4112

Ion	Ratio	Lower	Upper
77	100		
97	20.1	11.6	34.7



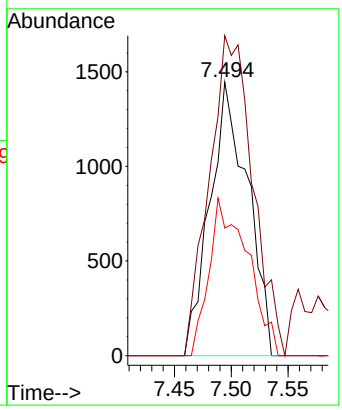


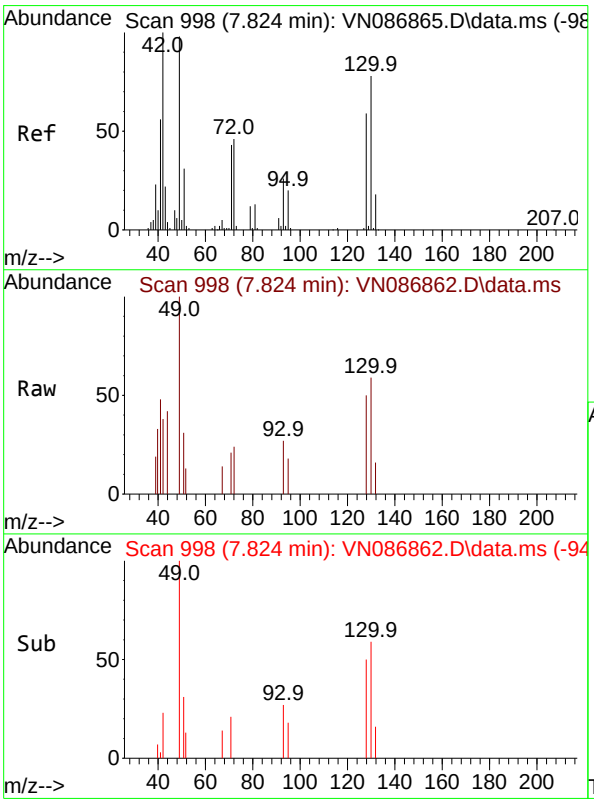
#27
cis-1,2-Dichloroethene
Concen: 1.062 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 3345

Ion	Ratio	Lower	Upper
96	100		
61	134.6	0.0	278.0
98	58.7	0.0	128.2

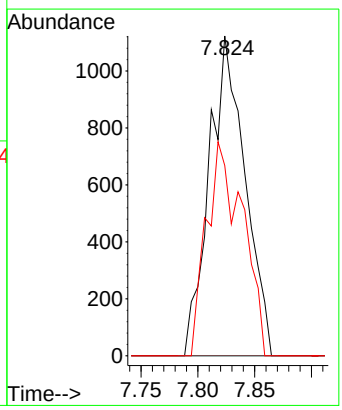


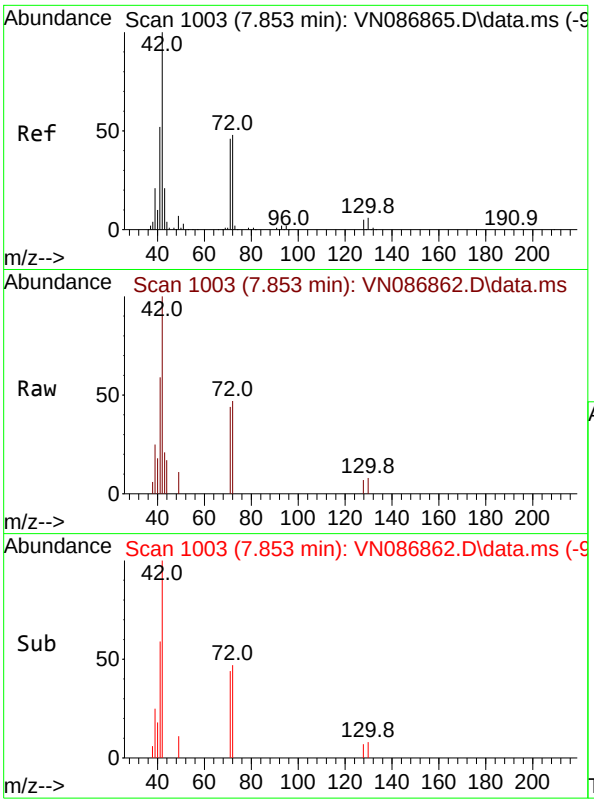


#28
Bromochloromethane
Concen: 1.052 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 49 Resp: 2464

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	67.5	62.2	93.2



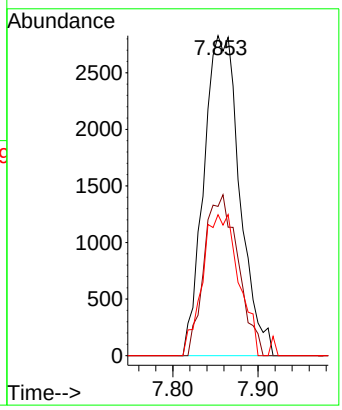


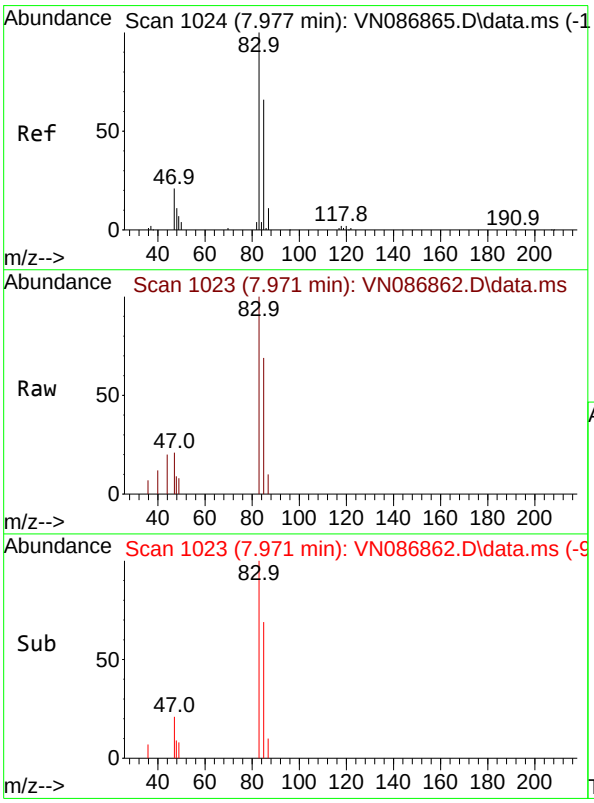
#29
Tetrahydrofuran
Concen: 5.191 ug/l
RT: 7.853 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 8301

Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.8	56.6
71	44.4	35.6	53.4

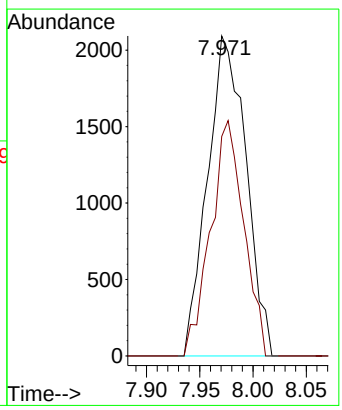


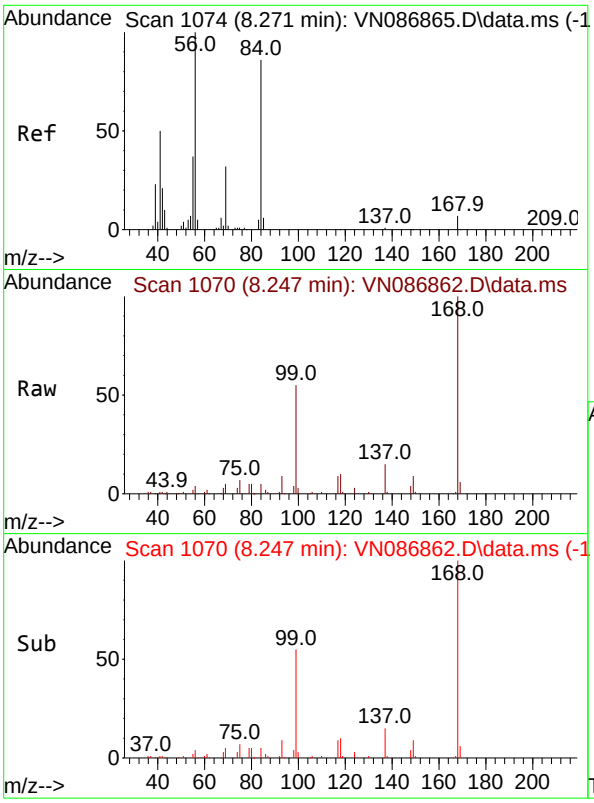


#30
Chloroform
Concen: 1.105 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 83 Resp: 5255

Ion	Ratio	Lower	Upper
83	100		
85	68.6	52.9	79.3



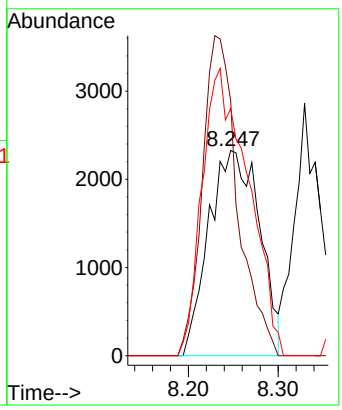


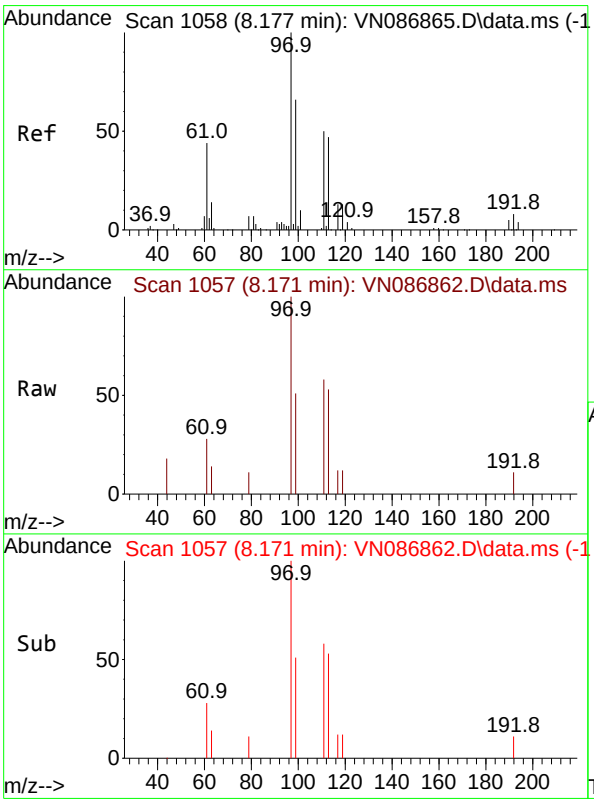
#31
Cyclohexane
Concen: 1.980 ug/l
RT: 8.247 min Scan# 1
Delta R.T. -0.024 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 9143

Ion	Ratio	Lower	Upper
56	100		
69	124.2	25.4	38.0#
84	120.5	68.8	103.2#

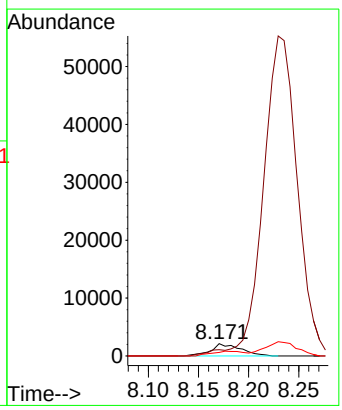


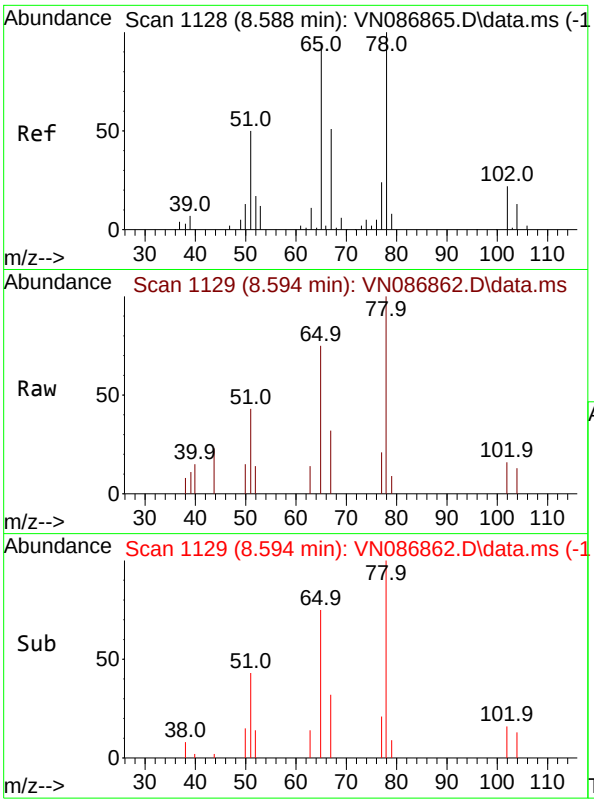


#32
1,1,1-Trichloroethane
Concen: 1.082 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 97 Resp: 4378

Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.0	78.0#
61	42.5	35.9	53.9



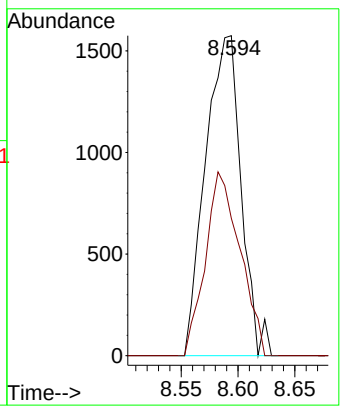


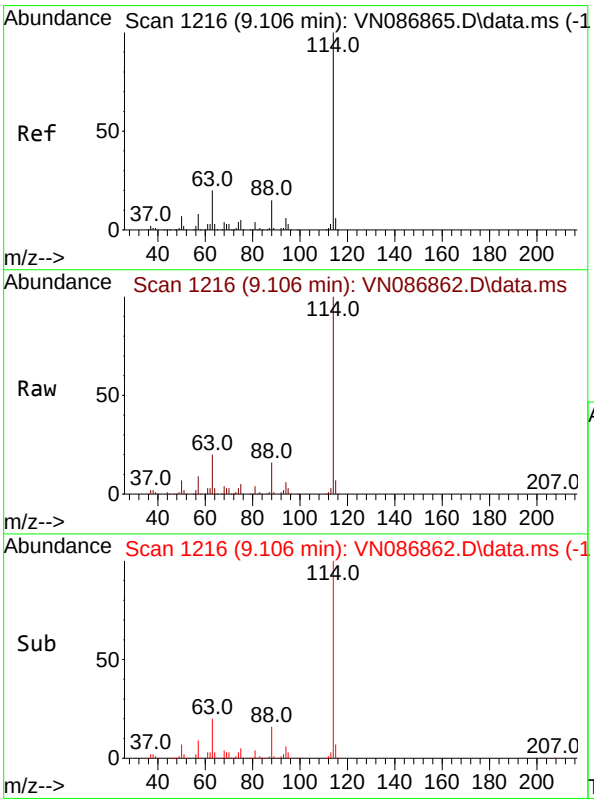
#33
1,2-Dichloroethane-d4
Concen: 1.204 ug/l
RT: 8.594 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 3429

Ion	Ratio	Lower	Upper
65	100		
67	55.9	0.0	105.6

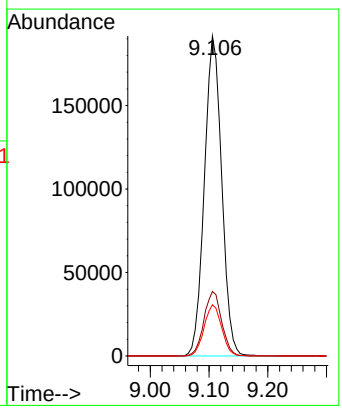


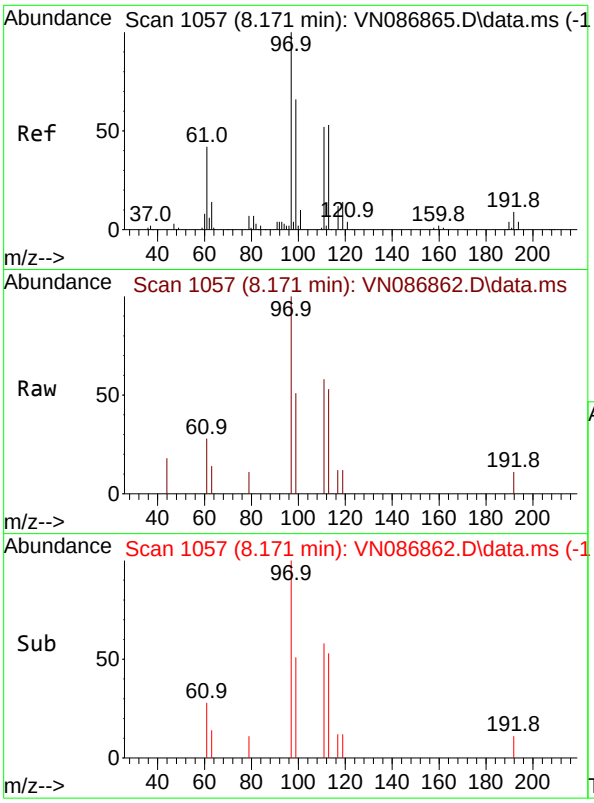


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:114 Resp: 393457

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.6
88	16.0	0.0	30.2



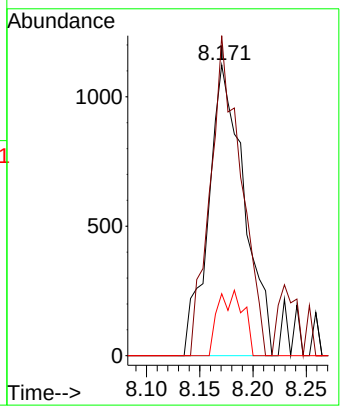


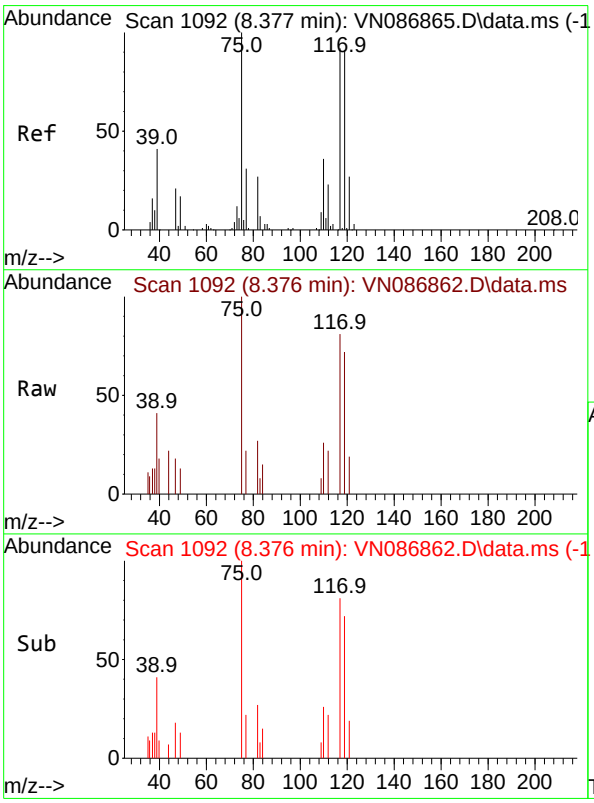
#35
Dibromofluoromethane
Concen: 1.126 ug/l
RT: 8.171 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:113 Resp: 2626

Ion	Ratio	Lower	Upper
113	100		
111	94.8	84.2	126.2
192	7.7	14.2	21.4#

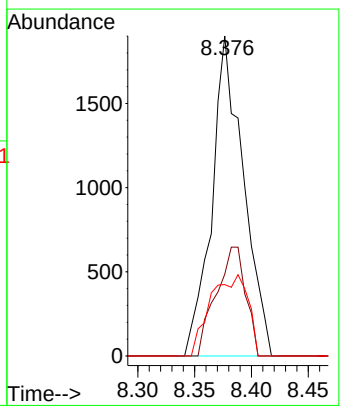


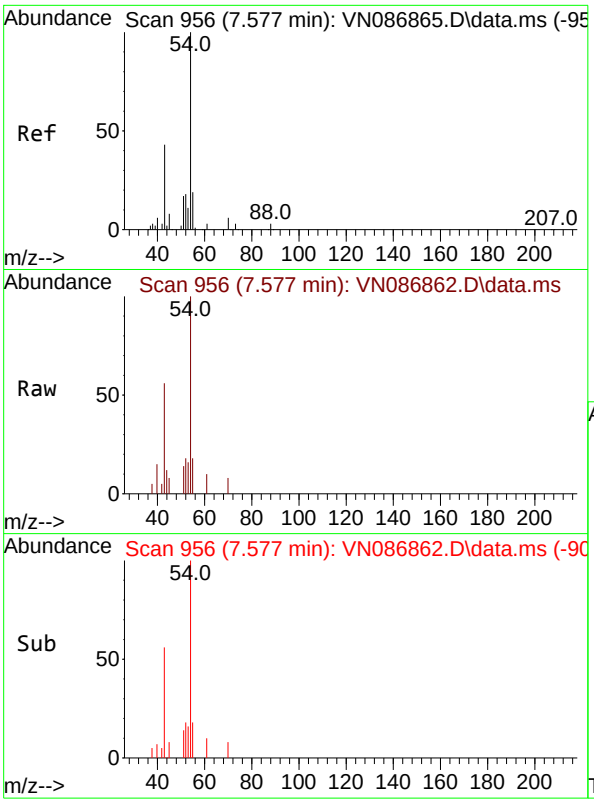


#36
1,1-Dichloropropene
Concen: 1.059 ug/l
RT: 8.376 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 75 Resp: 3678

Ion	Ratio	Lower	Upper
75	100		
110	31.8	17.6	52.9
77	30.2	25.3	37.9



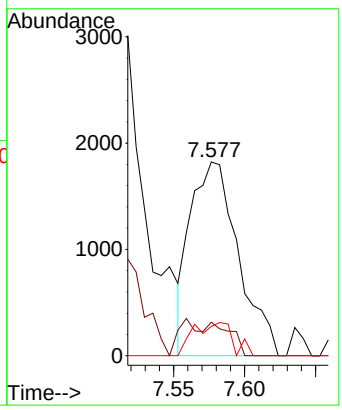


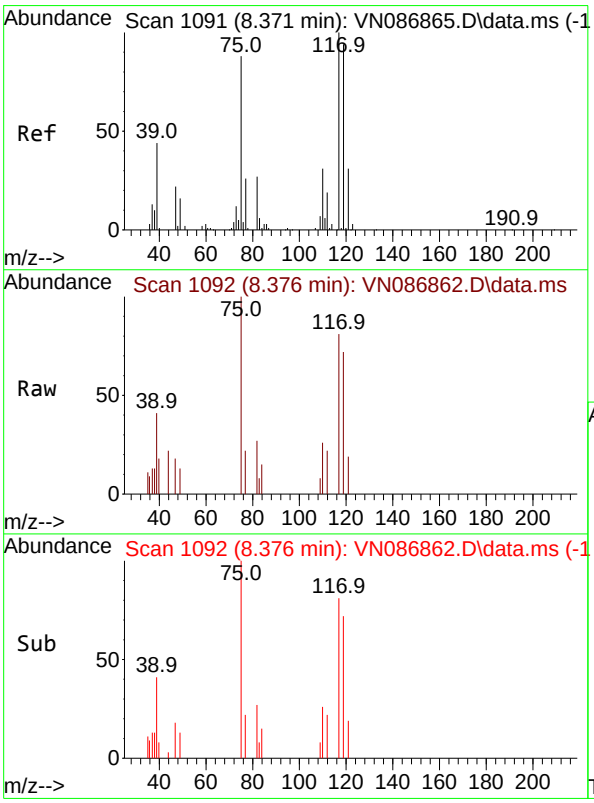
#37
Ethyl Acetate
Concen: 0.968 ug/l
RT: 7.577 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 4282

Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.1	18.1#
70	14.1	9.8	14.6

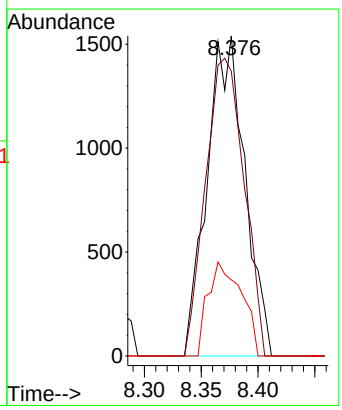


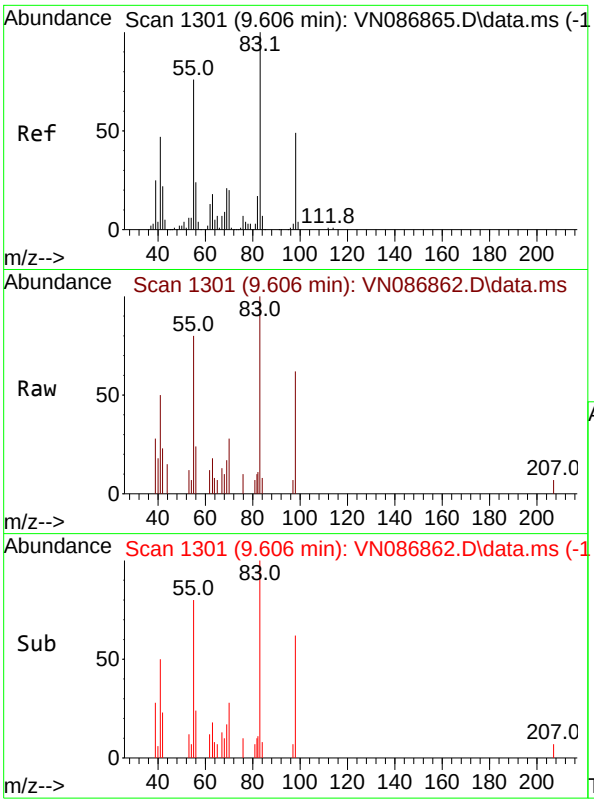


#38
Carbon Tetrachloride
Concen: 1.045 ug/l
RT: 8.376 min Scan# 1092
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:117 Resp: 3563

Ion	Ratio	Lower	Upper
117	100		
119	89.0	75.0	112.6
121	23.8	24.9	37.3#



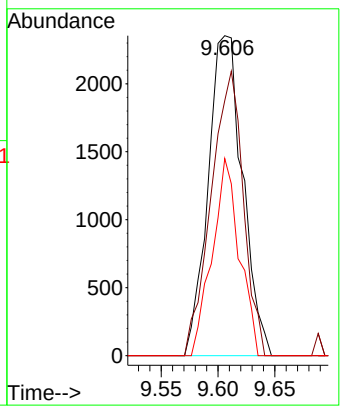


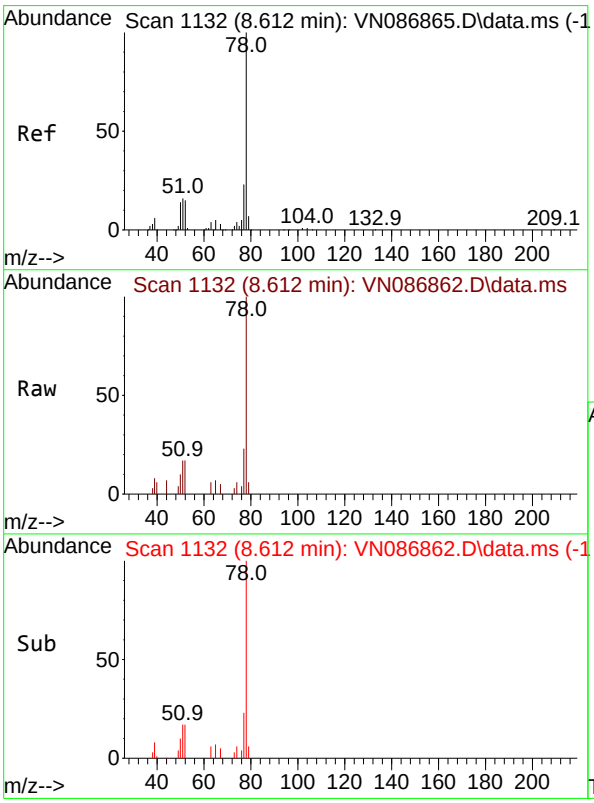
#39
Methylcyclohexane
Concen: 1.046 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 4981

Ion	Ratio	Lower	Upper
83	100		
55	79.7	61.0	91.6
98	61.6	38.9	58.3#

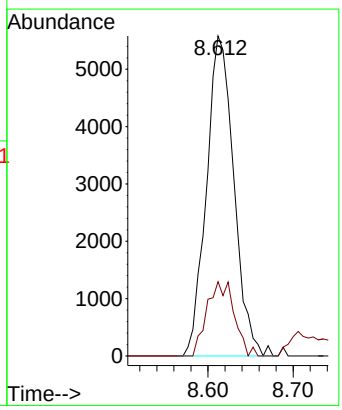


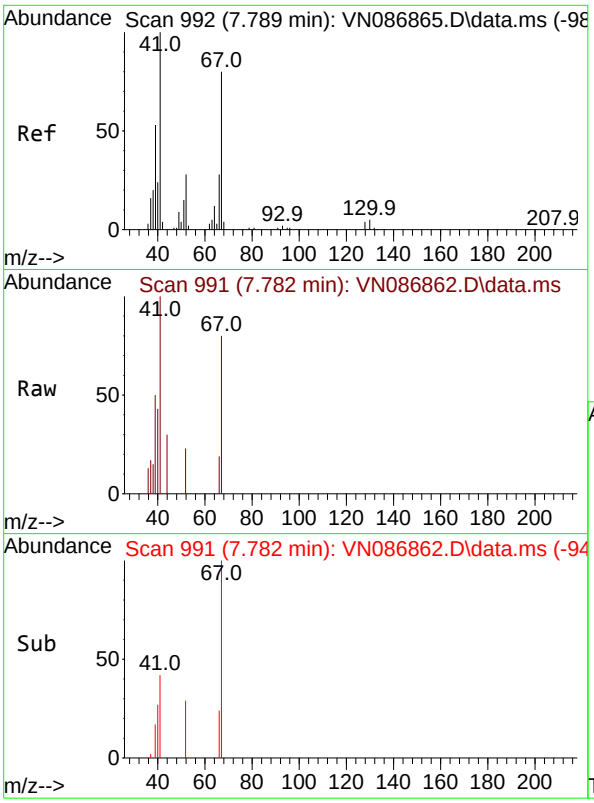


#40
Benzene
Concen: 1.100 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 78 Resp: 12498

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.7	28.1



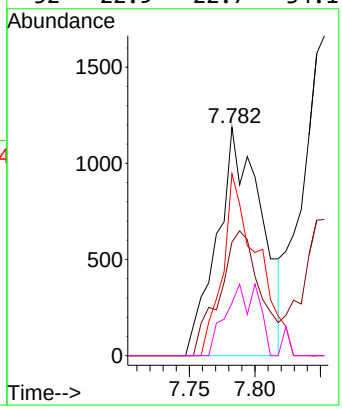


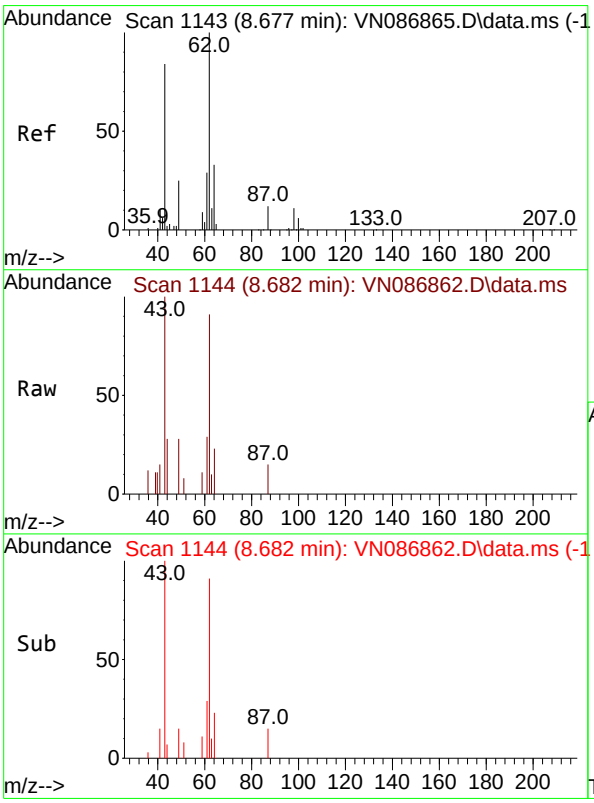
#41
Methacrylonitrile
Concen: 1.127 ug/l
RT: 7.782 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 2799

Ion	Ratio	Lower	Upper
41	100		
39	50.3	41.2	61.8
67	62.4	61.4	92.2
52	22.9	22.7	34.1

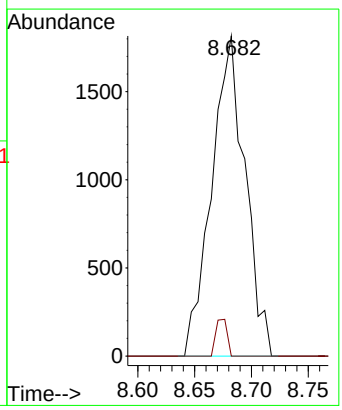


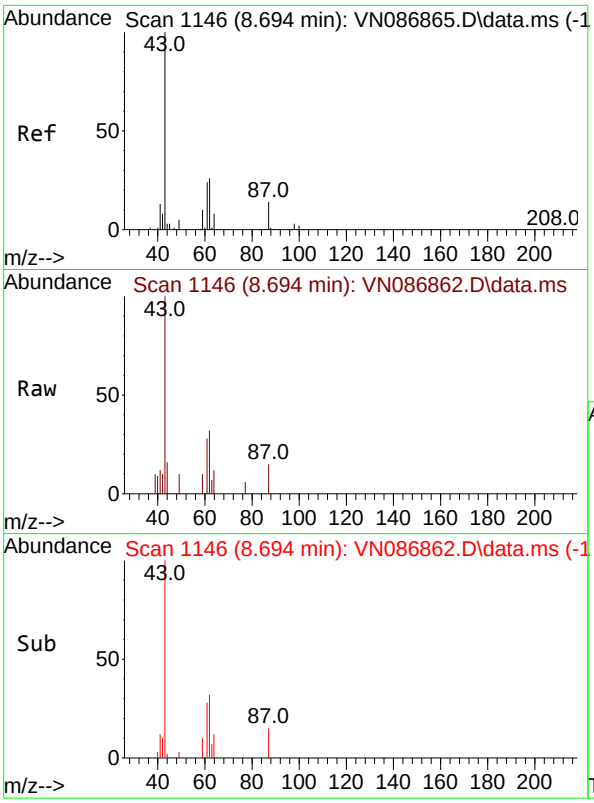


#42
1,2-Dichloroethane
Concen: 1.081 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 62 Resp: 3725

Ion	Ratio	Lower	Upper
62	100		
98	3.9	0.0	21.2



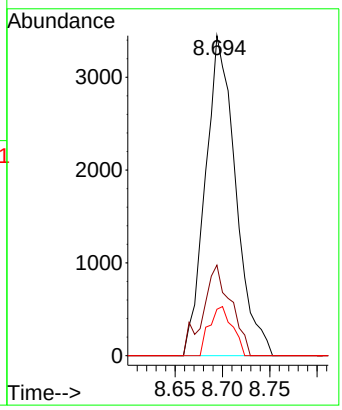


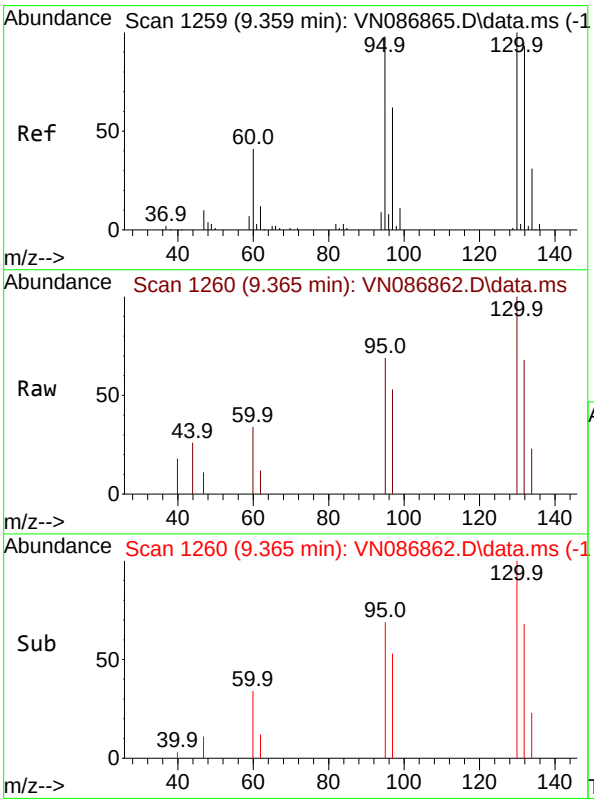
#43
Isopropyl Acetate
Concen: 1.081 ug/l
RT: 8.694 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 7673

Ion	Ratio	Lower	Upper
43	100		
61	26.2	22.1	33.1
87	11.7	11.8	17.6#

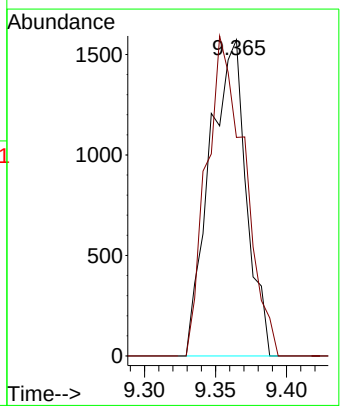


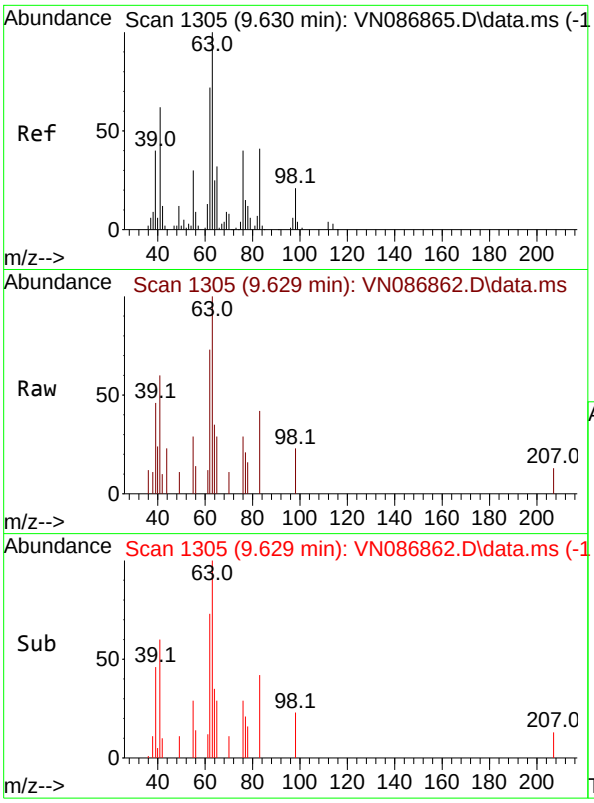


#44
Trichloroethene
Concen: 1.047 ug/l
RT: 9.365 min Scan# 1260
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:130 Resp: 2822

Ion	Ratio	Lower	Upper
130	100		
95	69.1	0.0	196.2



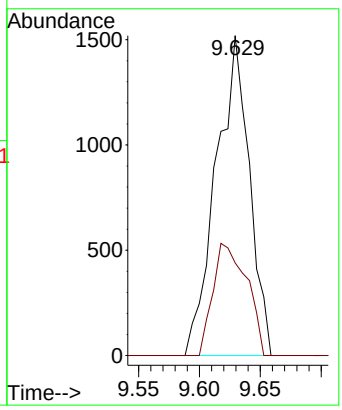


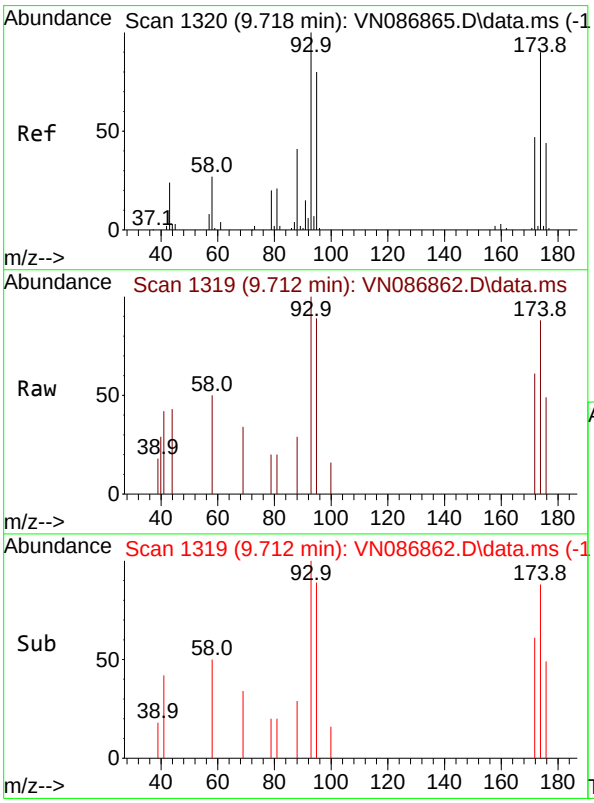
#45
1,2-Dichloropropane
Concen: 1.043 ug/l
RT: 9.629 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 2883

Ion	Ratio	Lower	Upper
63	100		
65	29.0	25.5	38.3

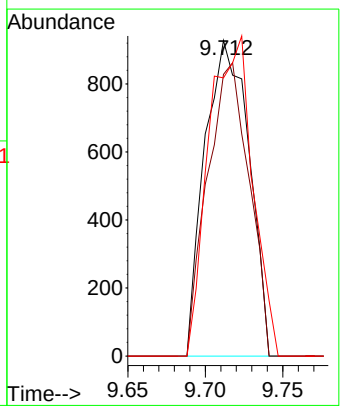


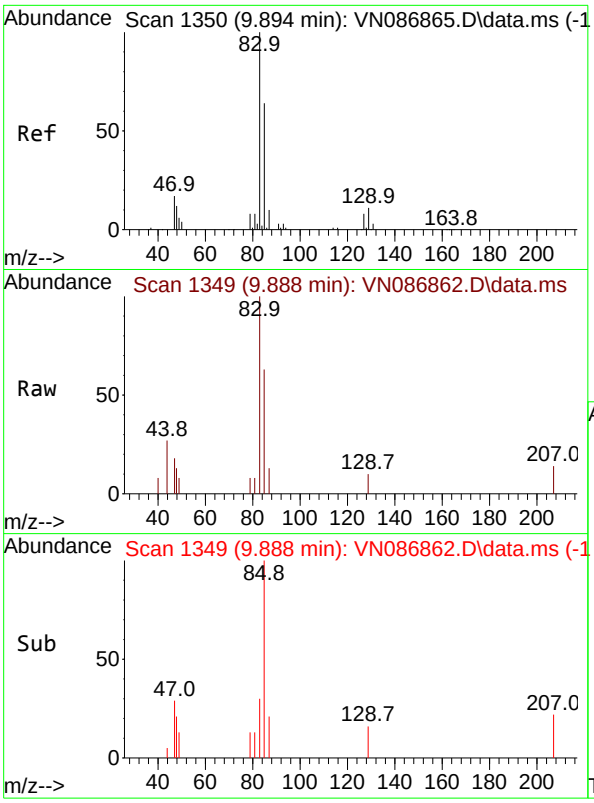


#46
Dibromomethane
Concen: 0.999 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 93 Resp: 1835

Ion	Ratio	Lower	Upper
93	100		
95	87.6	67.1	100.7
174	100.5	74.2	111.4



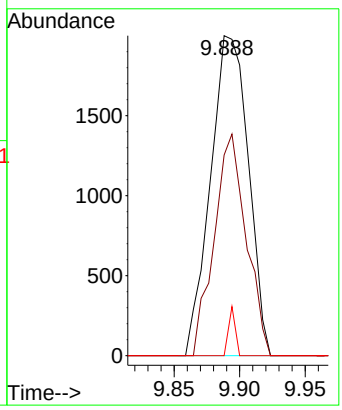


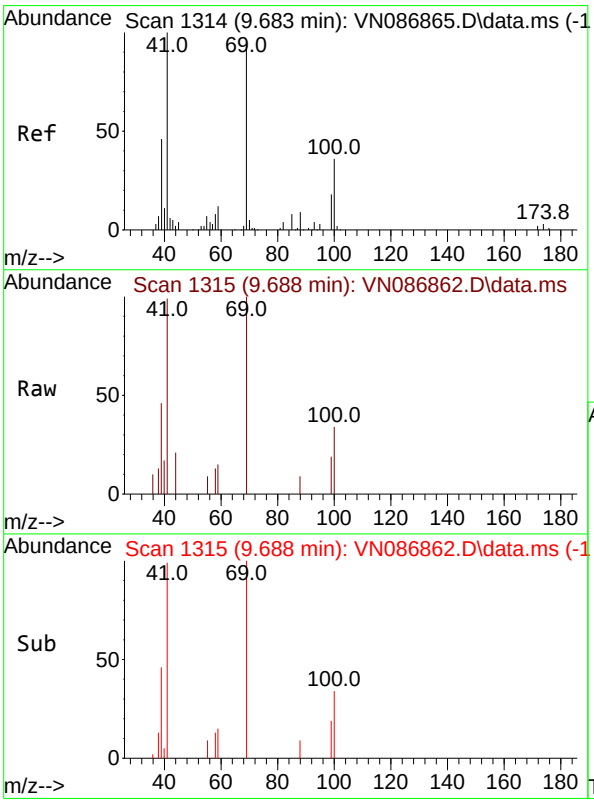
#47
Bromodichloromethane
Concen: 1.063 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 4017

Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.9	76.3
127	0.0	6.6	10.0#

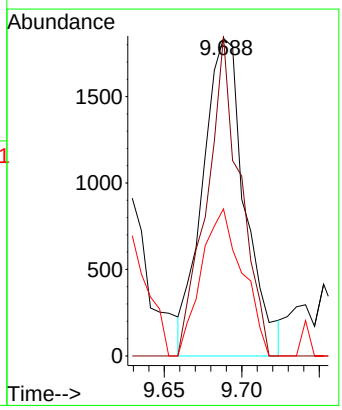


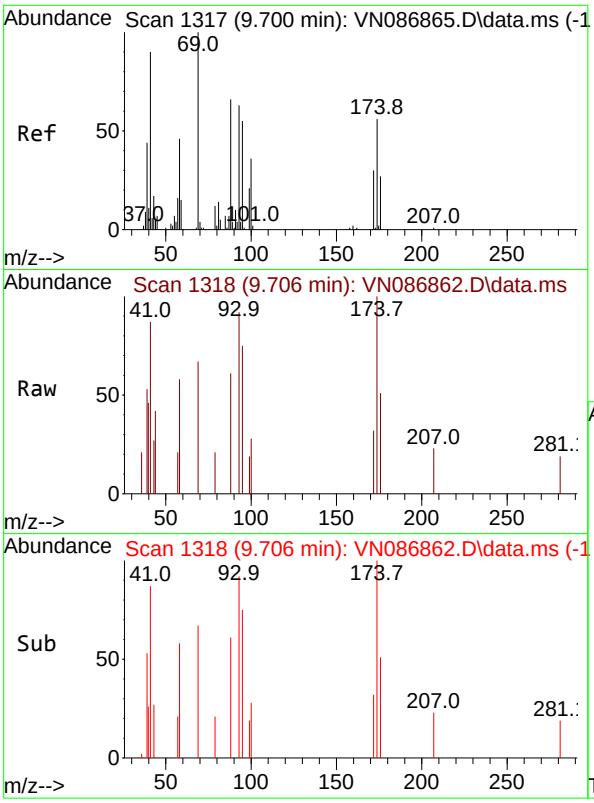


#48
Methyl methacrylate
Concen: 1.069 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 41 Resp: 3492

Ion	Ratio	Lower	Upper
41	100		
69	79.4	74.6	112.0
39	44.9	40.2	60.4



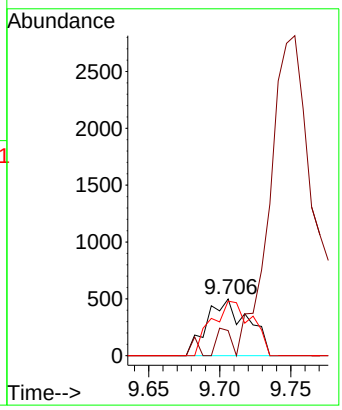


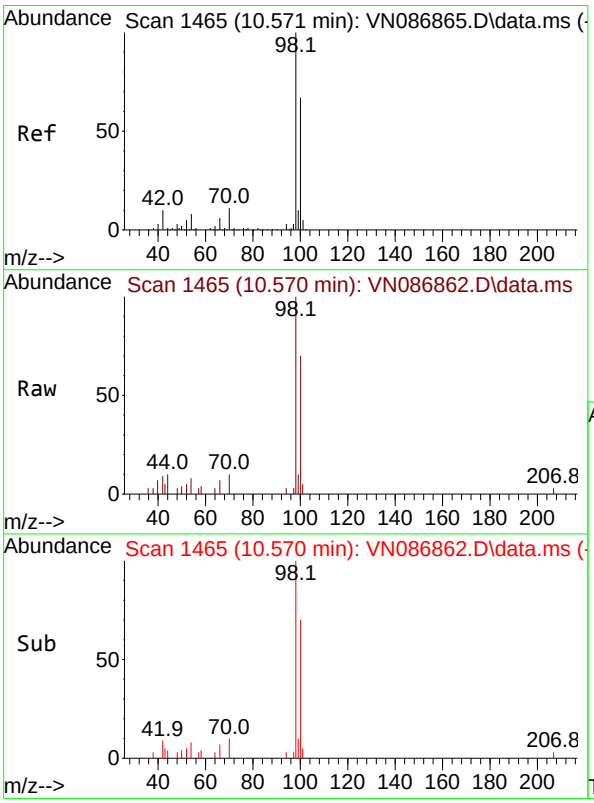
#49
1,4-Dioxane
Concen: 16.891 ug/l
RT: 9.706 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 88 Resp: 1004

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	94.0	57.7	86.5#

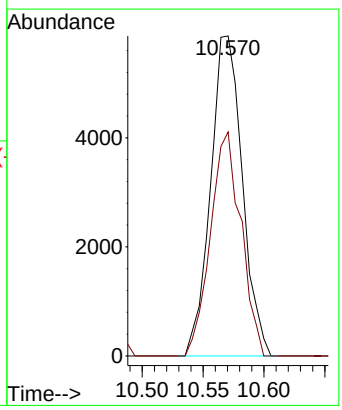


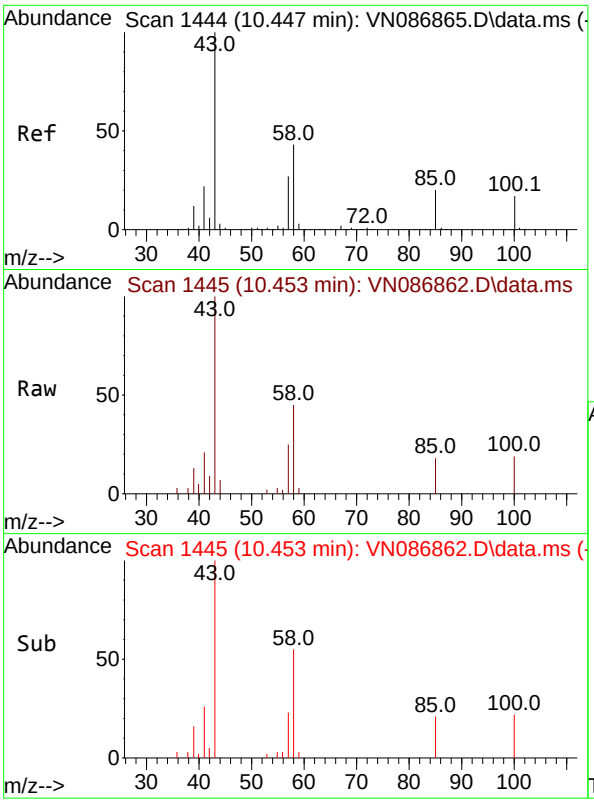


#50
Toluene-d8
Concen: 1.153 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 98 Resp: 10645

Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.4	80.0



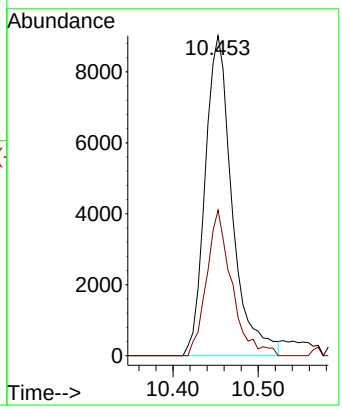


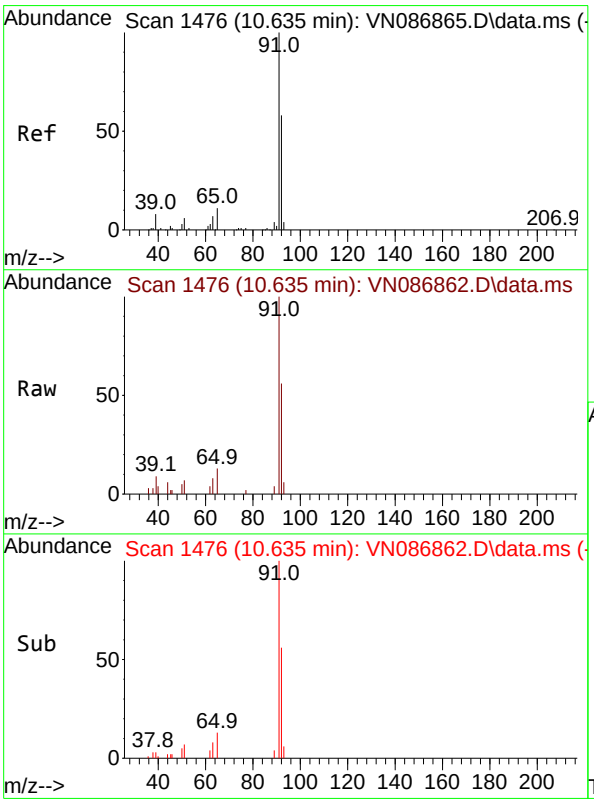
#51
4-Methyl-2-Pentanone
Concen: 4.653 ug/l
RT: 10.453 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 19886

Ion	Ratio	Lower	Upper
43	100		
58	42.3	34.2	51.4

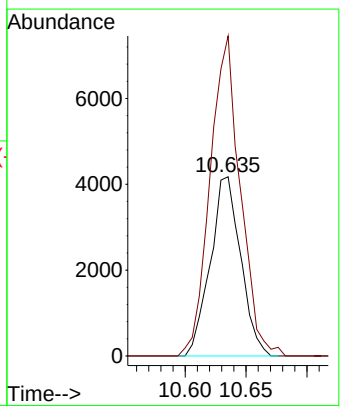


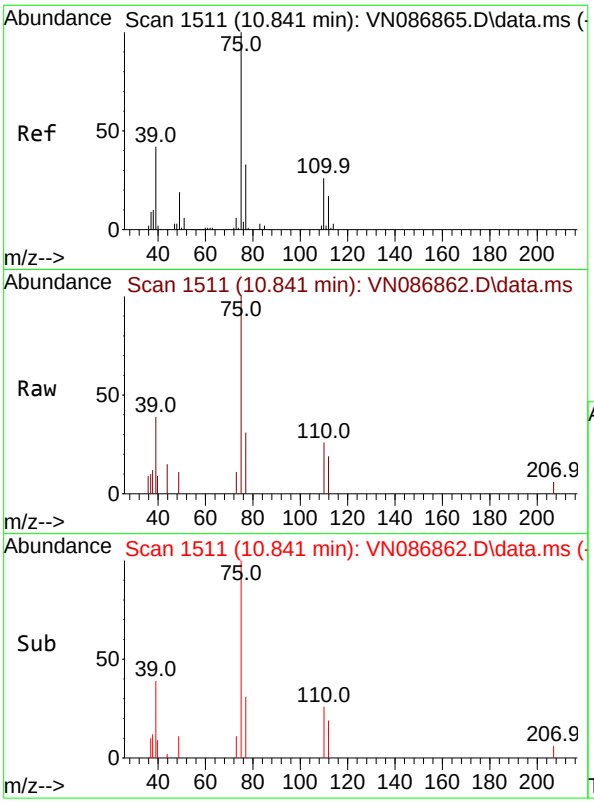


#52
Toluene
Concen: 1.041 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 92 Resp: 7227

Ion	Ratio	Lower	Upper
92	100		
91	178.1	136.5	204.7



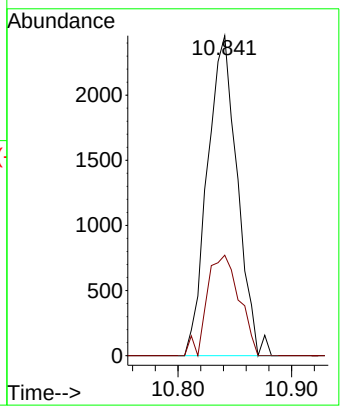


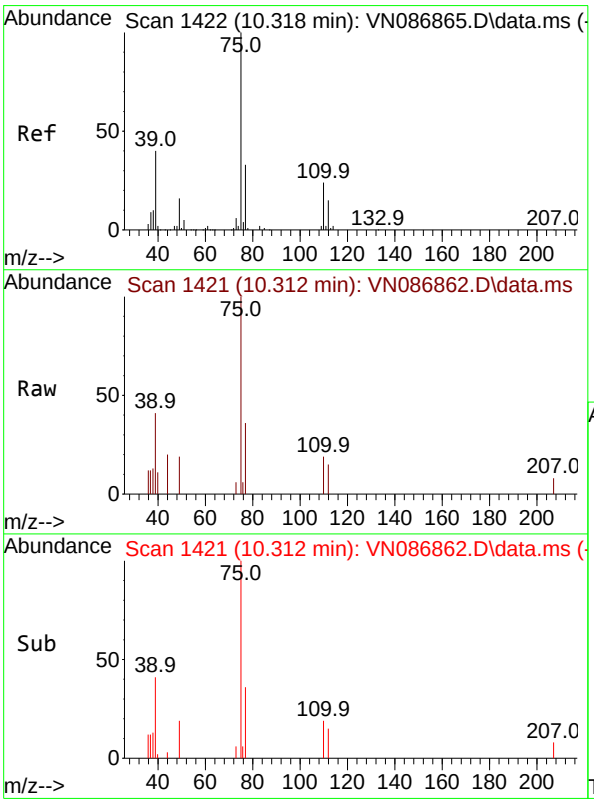
#53
t-1,3-Dichloropropene
Concen: 1.064 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 4494

Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.4	39.6

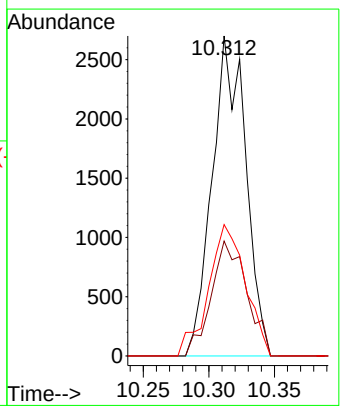


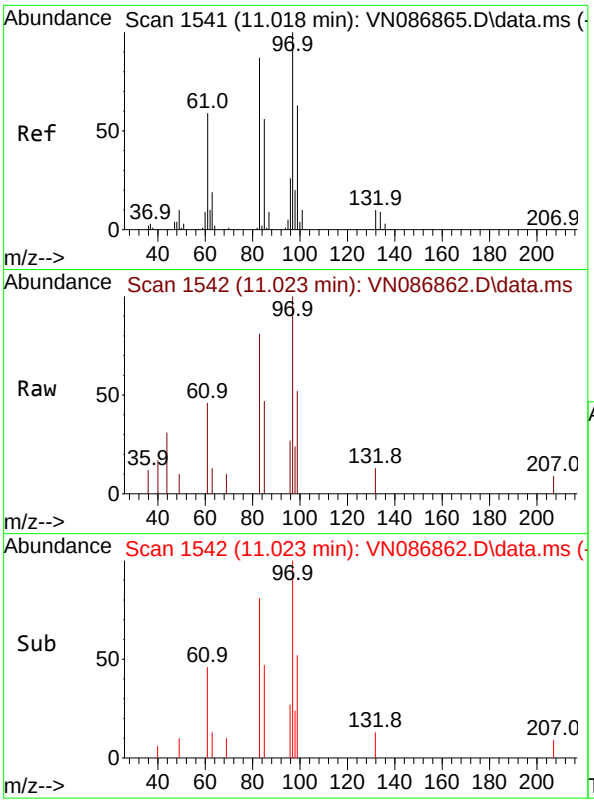


#54
cis-1,3-Dichloropropene
Concen: 1.060 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 75 Resp: 4792

Ion	Ratio	Lower	Upper
75	100		
77	35.9	26.2	39.4
39	41.1	32.3	48.5



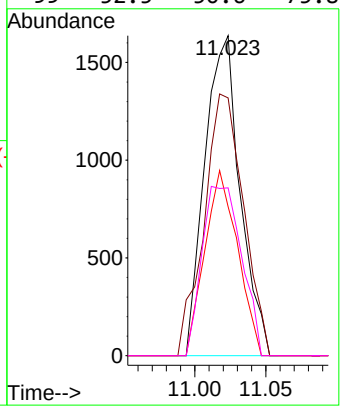


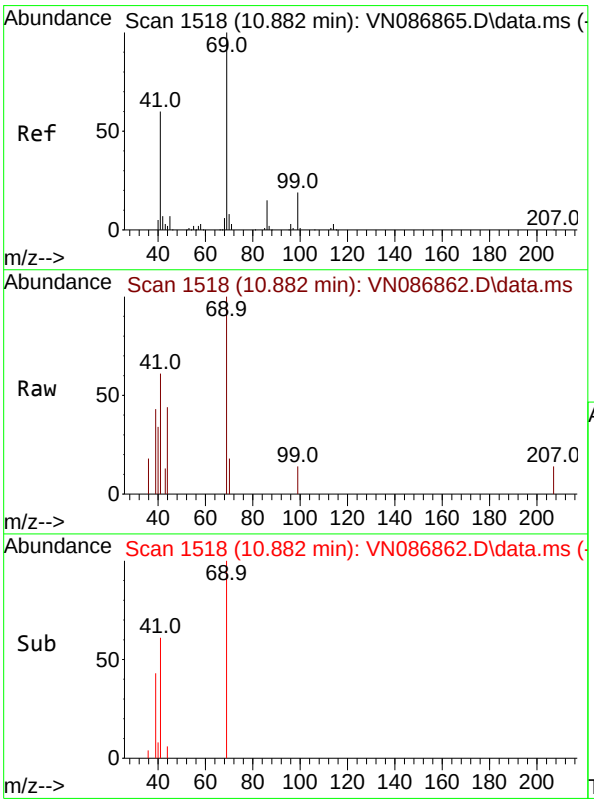
#55
1,1,2-Trichloroethane
Concen: 1.058 ug/l
RT: 11.023 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 2828

Ion	Ratio	Lower	Upper
97	100		
83	80.6	69.7	104.5
85	46.5	45.1	67.7
99	52.5	50.6	75.8

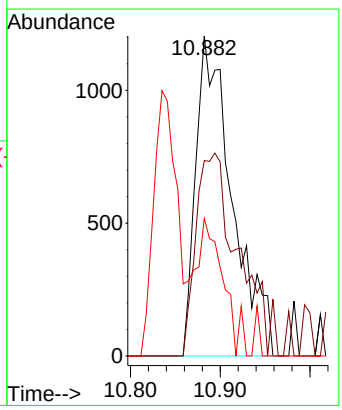


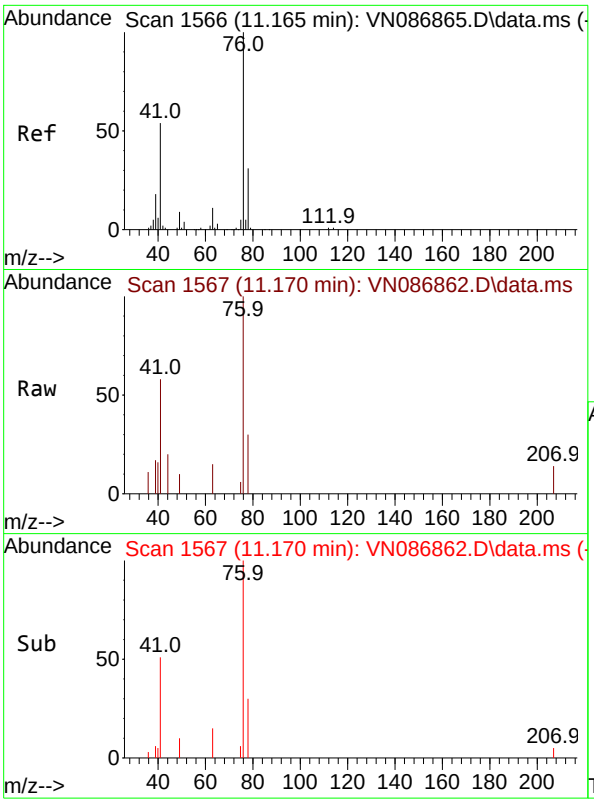


#56
Ethyl methacrylate
Concen: 0.800 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 69 Resp: 3406

Ion	Ratio	Lower	Upper
69	100		
41	73.5	47.2	70.8#
39	31.6	23.0	34.6



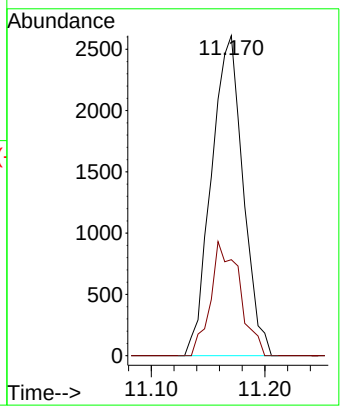


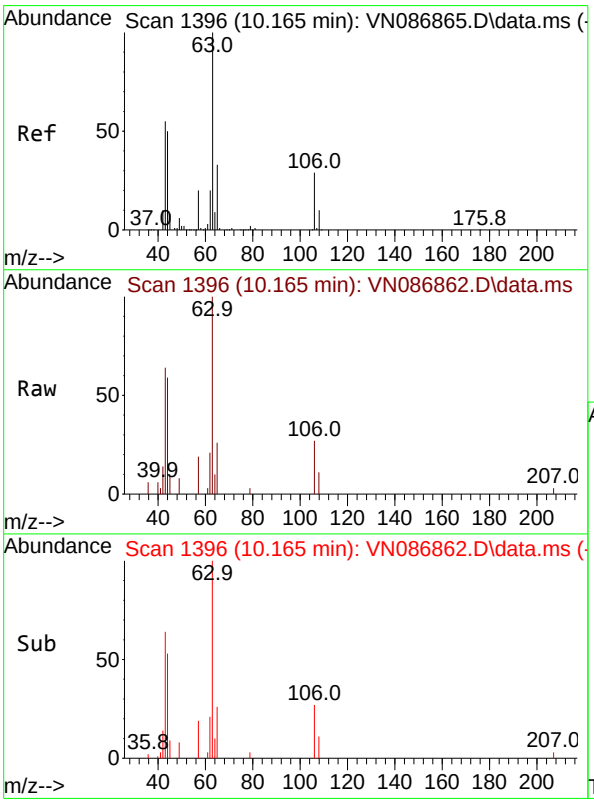
#57
1,3-Dichloropropane
Concen: 1.092 ug/l
RT: 11.170 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 5062

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.3	37.9

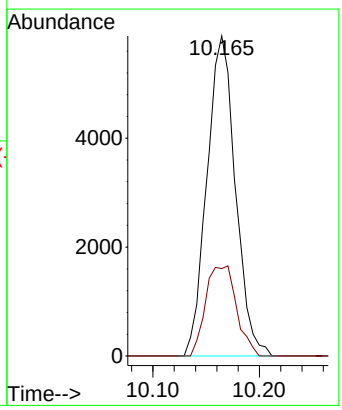


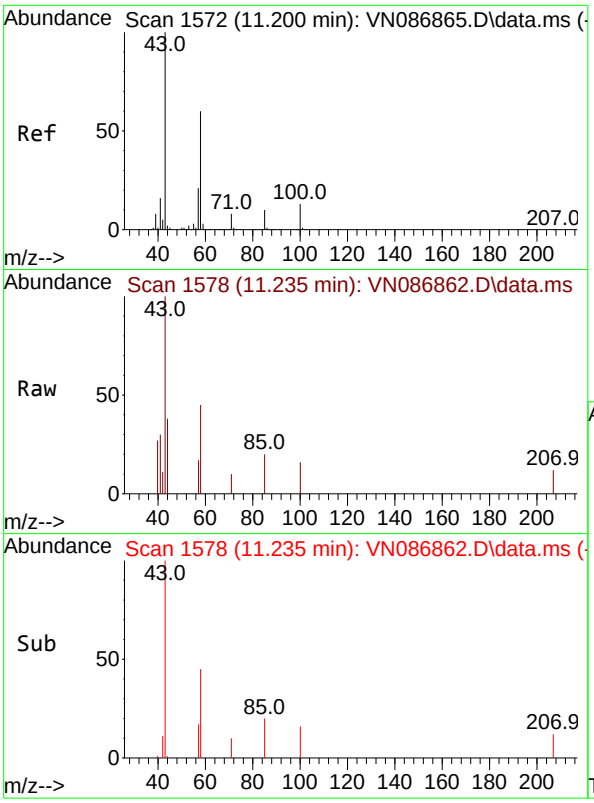


#58
2-Chloroethyl Vinyl ether
Concen: 4.304 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 63 Resp: 10924

Ion	Ratio	Lower	Upper
63	100		
106	30.4	23.0	34.6



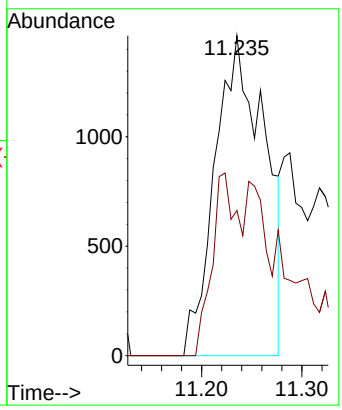


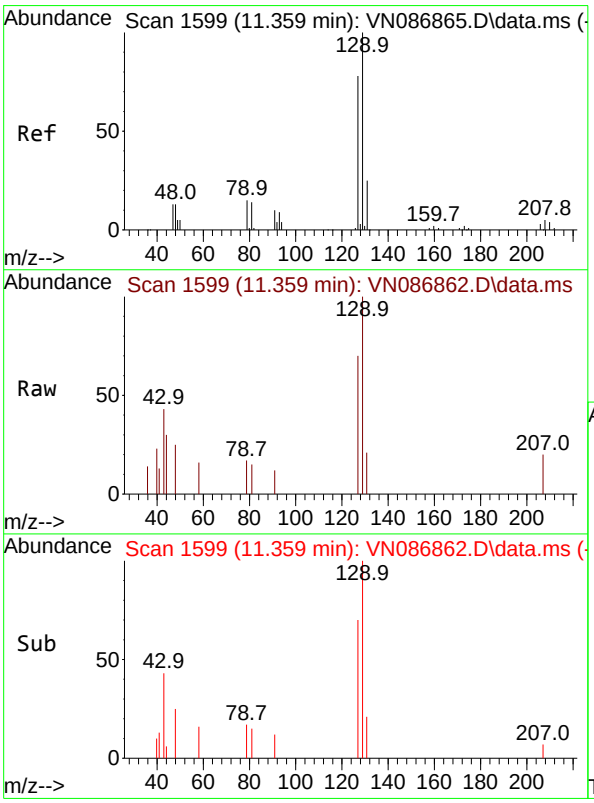
#59
2-Hexanone
Concen: 1.822 ug/l
RT: 11.235 min Scan# 1
Delta R.T. 0.035 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 5016

Ion	Ratio	Lower	Upper
43	100		
58	11.5	30.4	91.3#

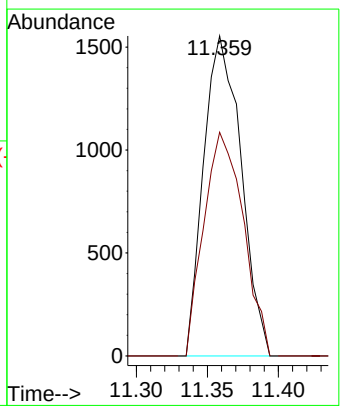


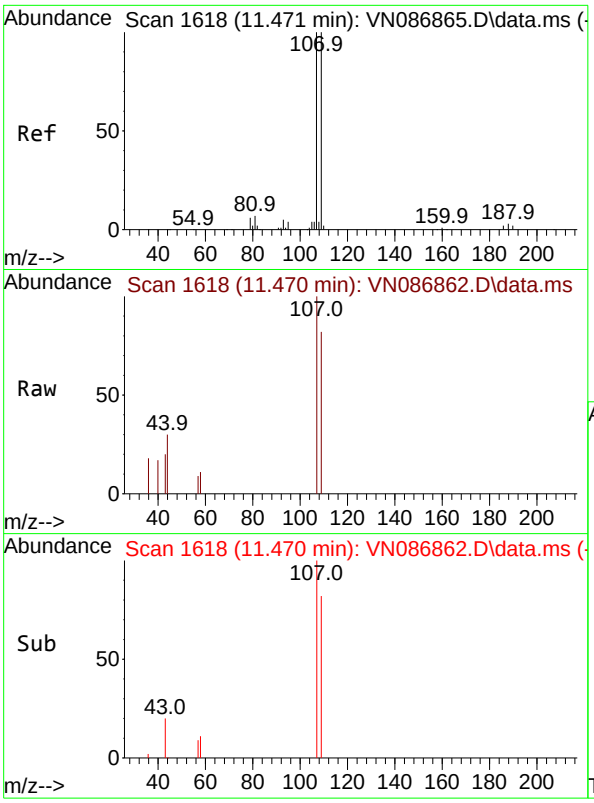


#60
Dibromochloromethane
Concen: 1.021 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:129 Resp: 2843

Ion	Ratio	Lower	Upper
129	100		
127	73.8	38.6	115.8



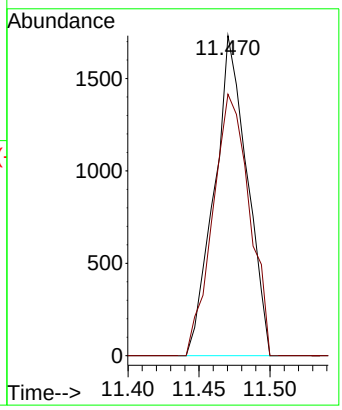


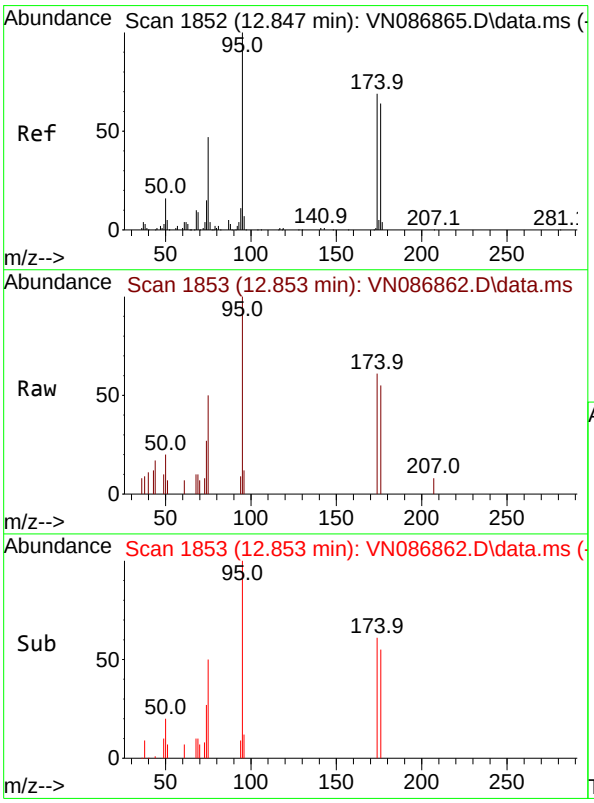
#61
1,2-Dibromoethane
Concen: 1.014 ug/l
RT: 11.470 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 2777

Ion	Ratio	Lower	Upper
107	100		
109	91.2	76.3	114.5

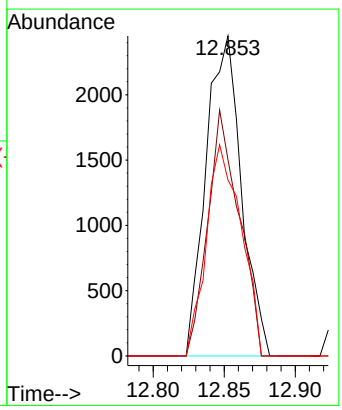


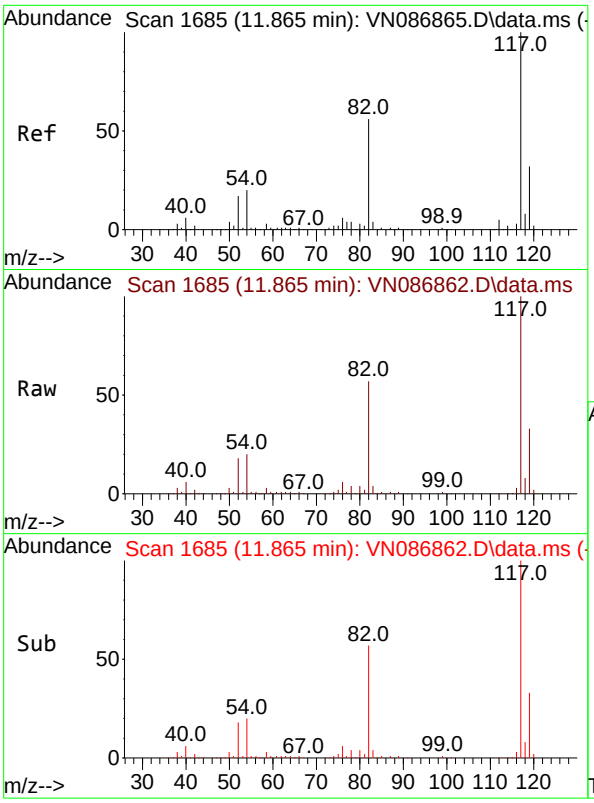


#62
4-Bromofluorobenzene
Concen: 1.240 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 95 Resp: 4252

Ion	Ratio	Lower	Upper
95	100		
174	68.3	0.0	141.8
176	65.0	0.0	132.6



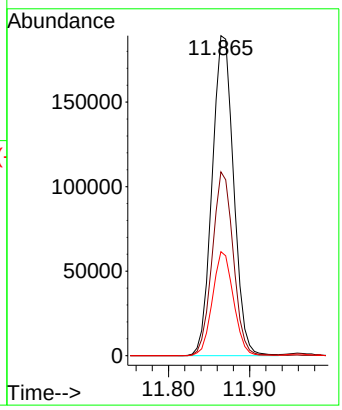


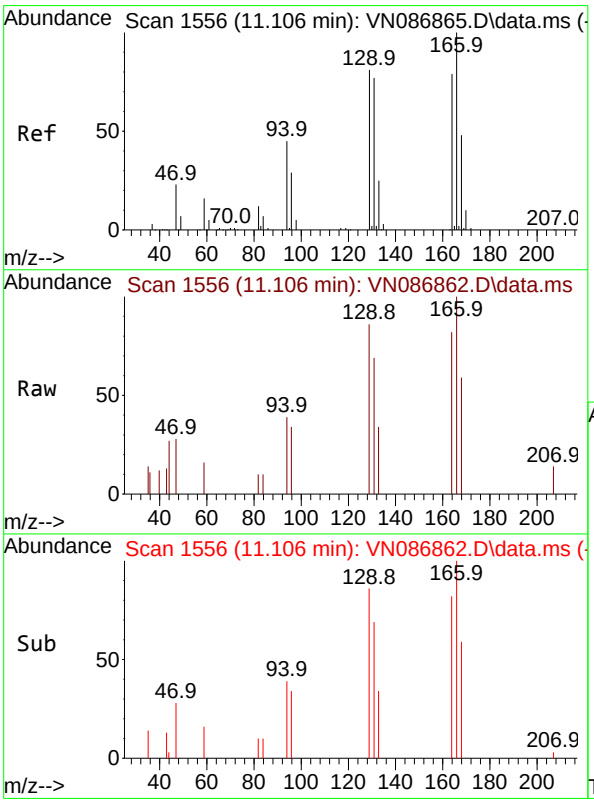
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 348010

Ion	Ratio	Lower	Upper
117	100		
82	57.5	44.6	67.0
119	32.5	25.5	38.3

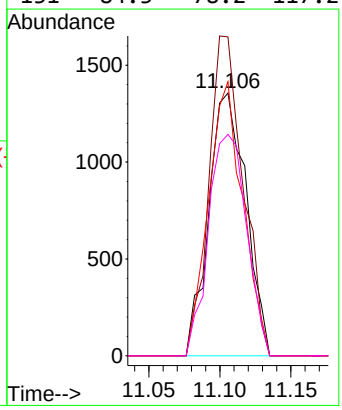


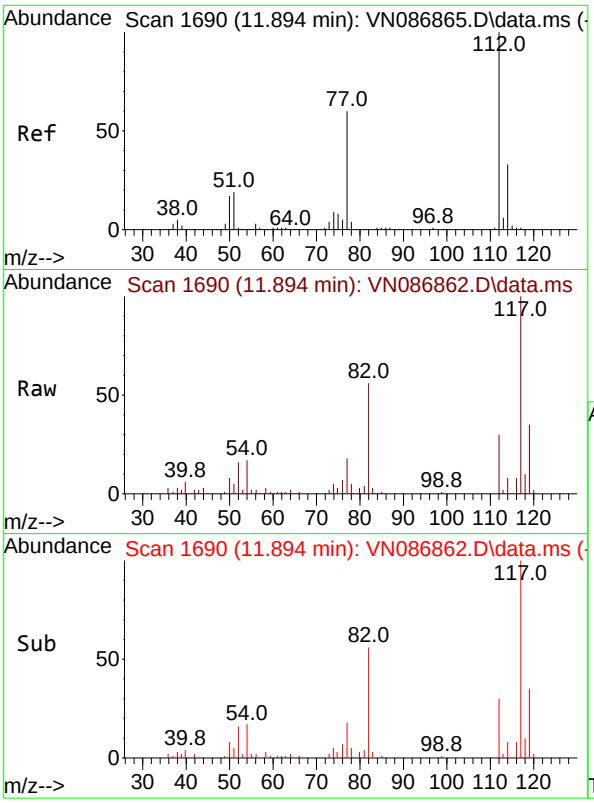


#64
Tetrachloroethene
Concen: 1.123 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:164 Resp: 2473

Ion	Ratio	Lower	Upper
164	100		
166	121.4	101.8	152.8
129	104.4	83.0	124.4
131	84.3	78.2	117.2



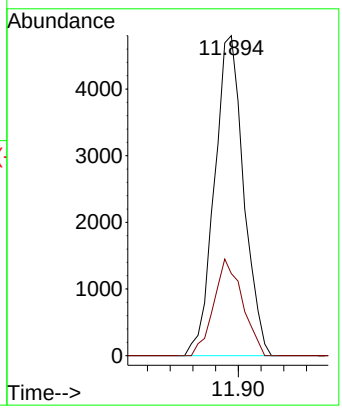


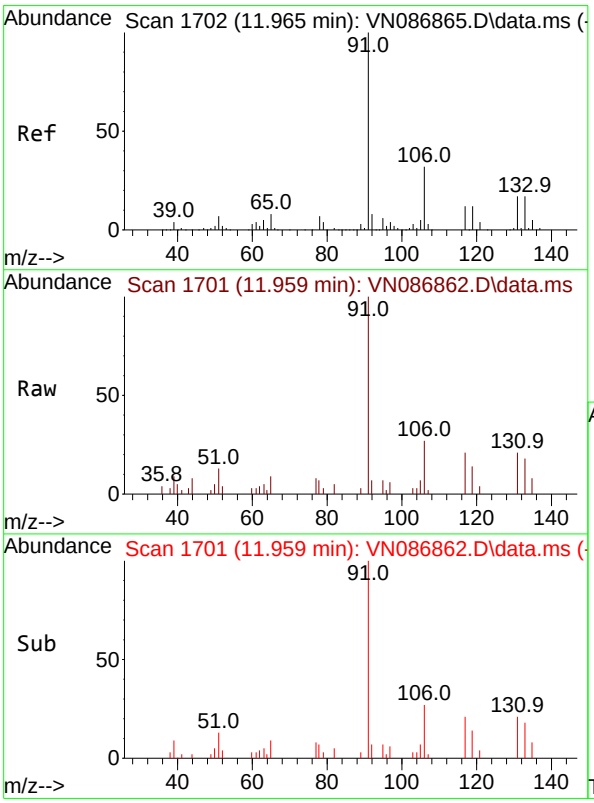
#65
Chlorobenzene
Concen: 1.118 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 8581

Ion	Ratio	Lower	Upper
112	100		
114	25.7	26.2	39.2#

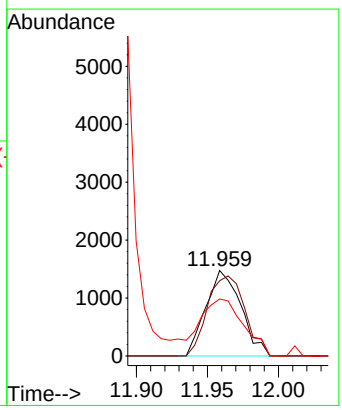


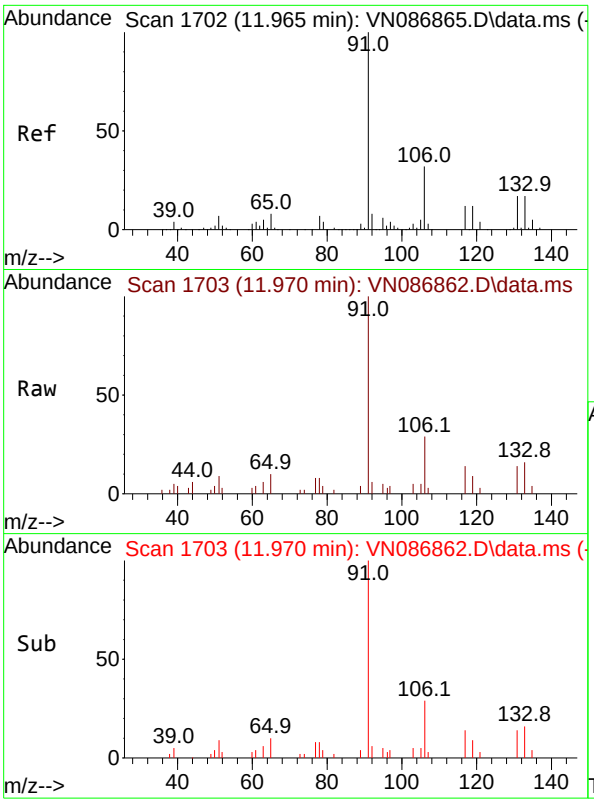


#66
1,1,1,2-Tetrachloroethane
Concen: 1.023 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:131 Resp: 2523

Ion	Ratio	Lower	Upper
131	100		
133	100.9	48.3	144.8
119	0.0	34.0	101.8#



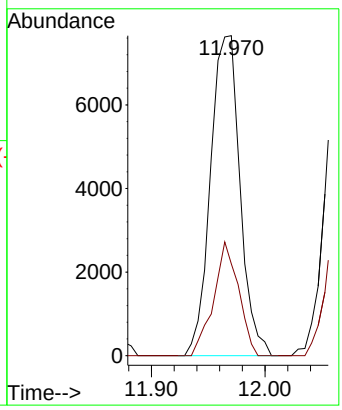


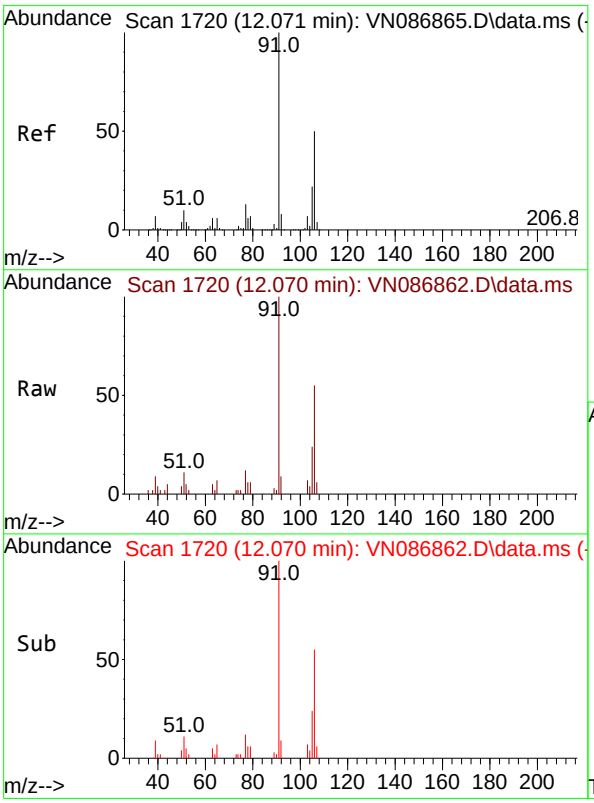
#67
Ethyl Benzene
Concen: 1.047 ug/l
RT: 11.970 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 13845

Ion	Ratio	Lower	Upper
91	100		
106	28.7	25.4	38.2

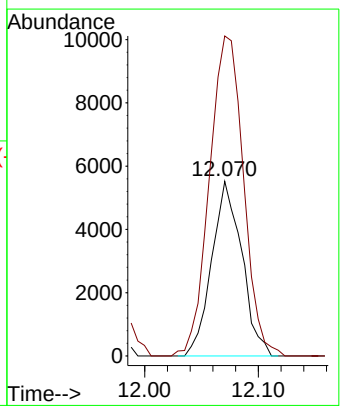


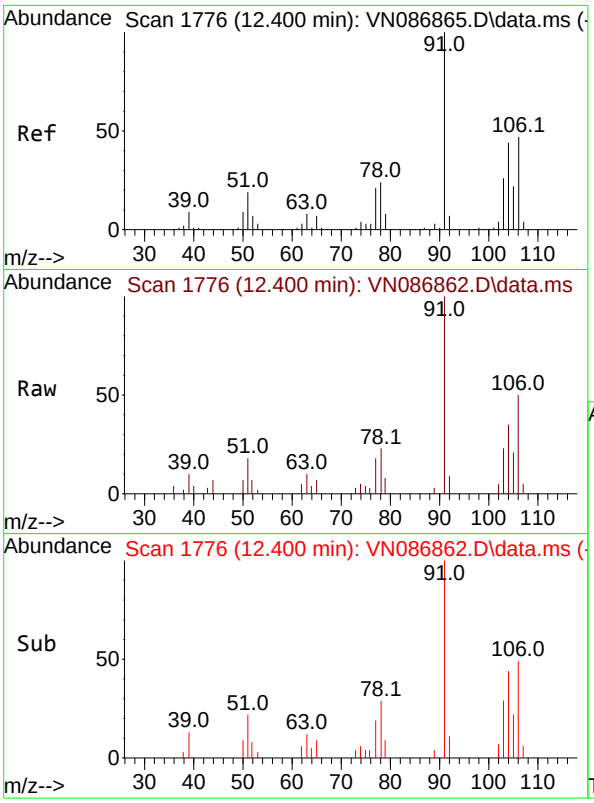


#68
m/p-Xylenes
Concen: 2.008 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:106 Resp: 10163

Ion	Ratio	Lower	Upper
106	100		
91	207.3	159.4	239.0



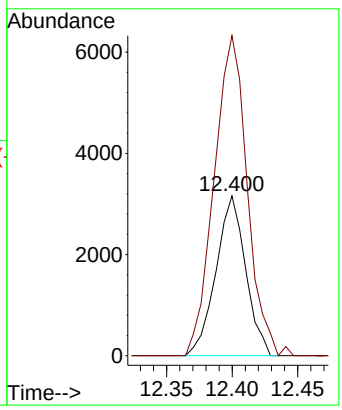


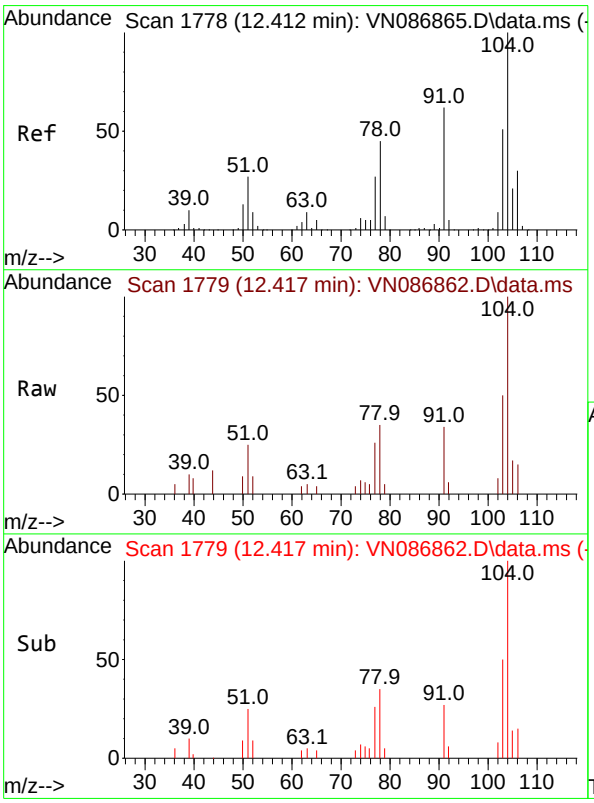
#69
o-Xylene
Concen: 1.025 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 4970

Ion	Ratio	Lower	Upper
106	100		
91	223.6	106.1	318.1

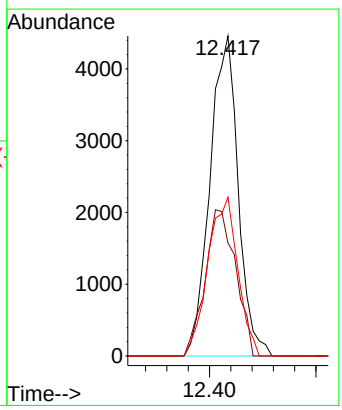


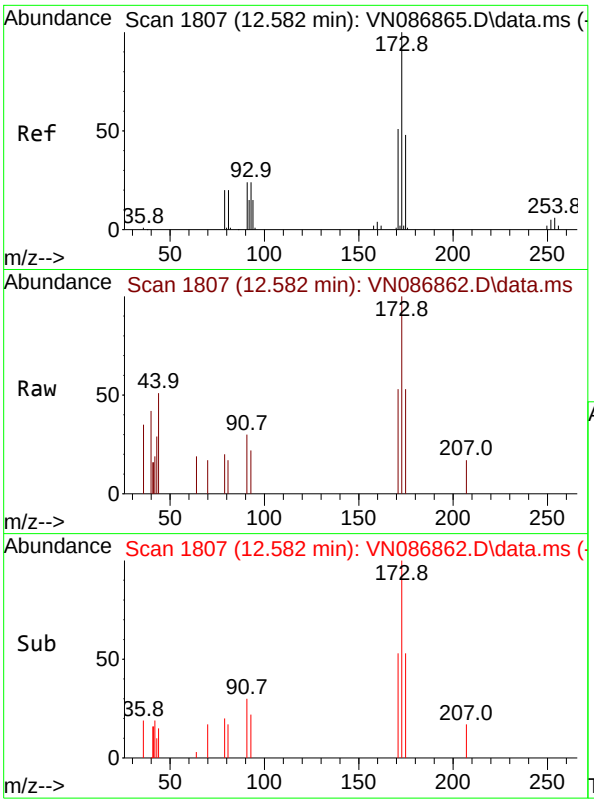


#70
Styrene
Concen: 0.987 ug/l
RT: 12.417 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:104 Resp: 8189

Ion	Ratio	Lower	Upper
104	100		
78	49.6	38.5	57.7
103	52.5	43.1	64.7



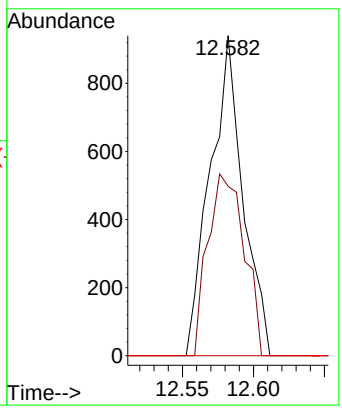


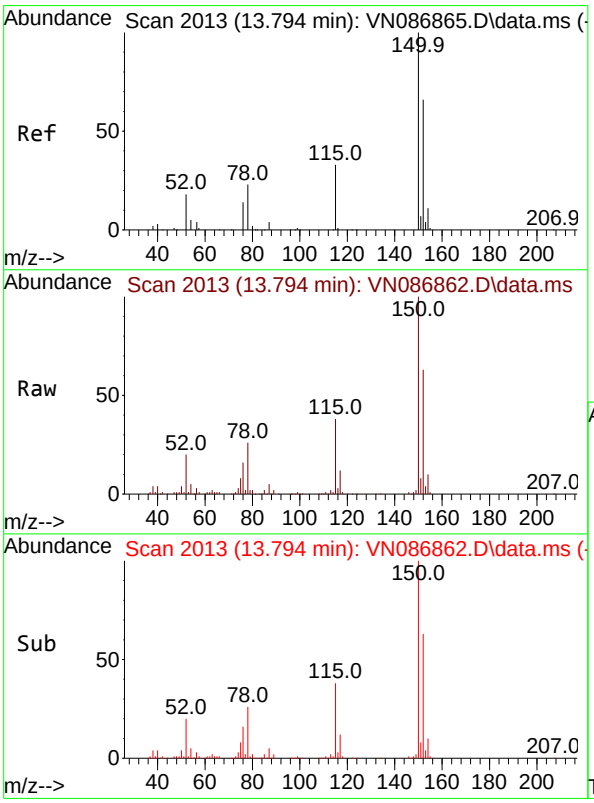
#71
Bromoform
Concen: 0.825 ug/l
RT: 12.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 1508

Ion	Ratio	Lower	Upper
173	100		
175	63.1	24.1	72.4
254	0.0	0.0	0.0

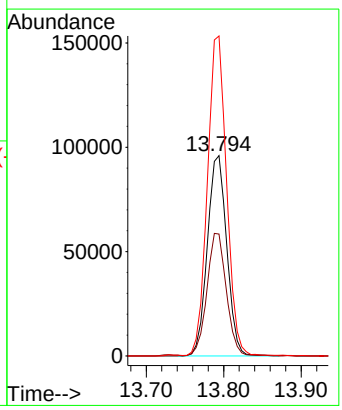


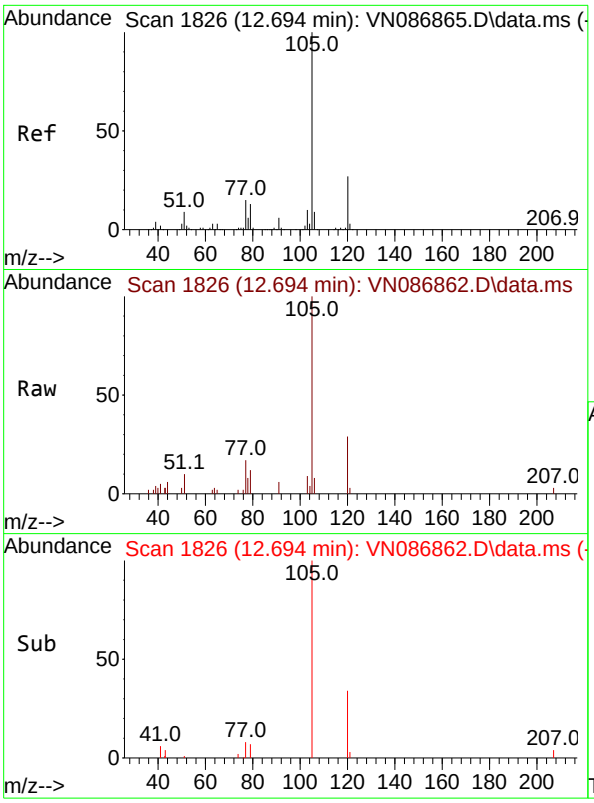


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:152 Resp: 167399

Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.1	90.5
150	158.0	0.0	345.0



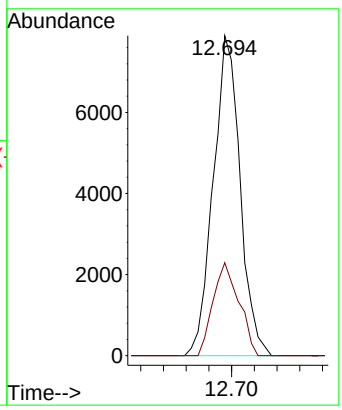


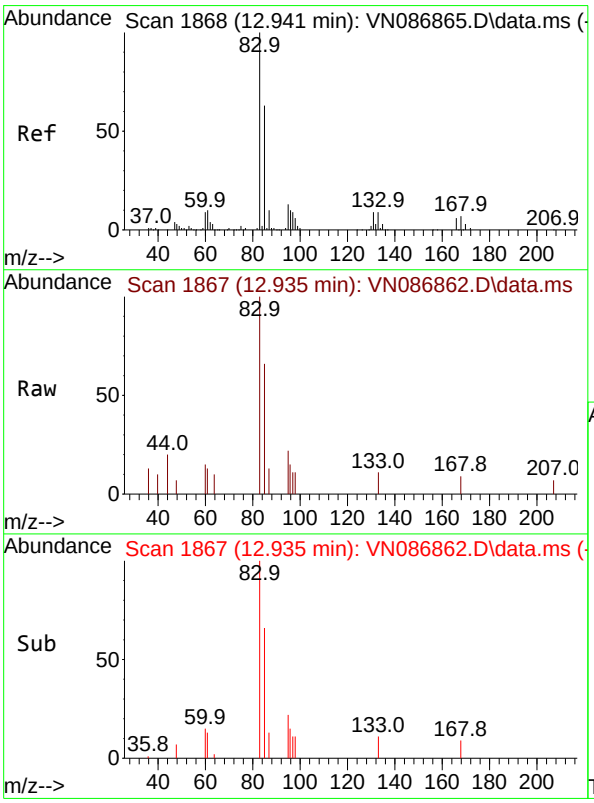
#73
Isopropylbenzene
Concen: 1.061 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 12938

Ion	Ratio	Lower	Upper
105	100		
120	28.1	13.5	40.4

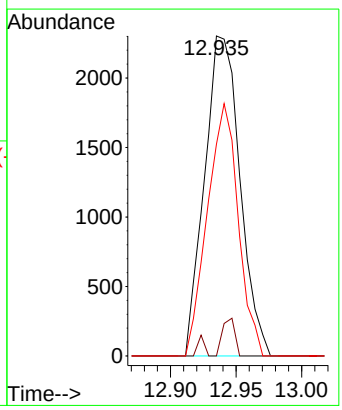


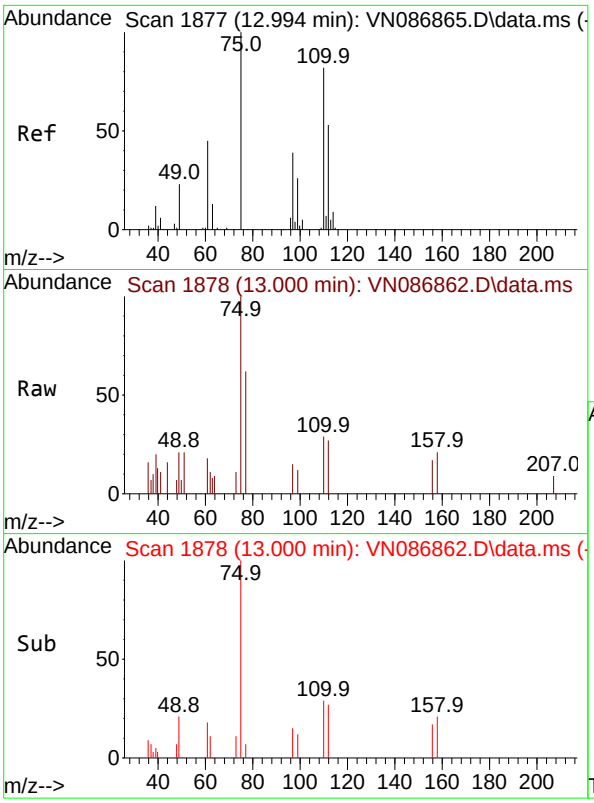


#75
1,1,2,2-Tetrachloroethane
Concen: 1.047 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 83 Resp: 4326

Ion	Ratio	Lower	Upper
83	100		
131	4.1	4.9	14.7#
85	68.6	32.0	96.0



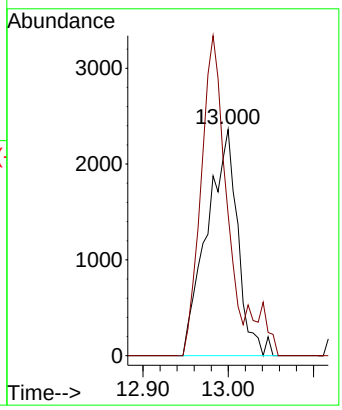


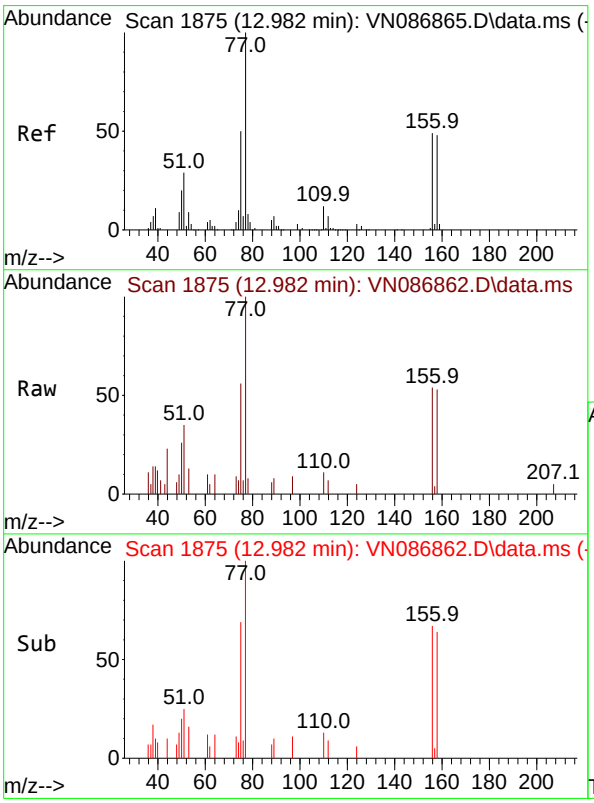
#76
1,2,3-Trichloropropane
Concen: 1.484 ug/l
RT: 13.000 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 5925

Ion	Ratio	Lower	Upper
75	100		
77	113.2	79.3	237.9

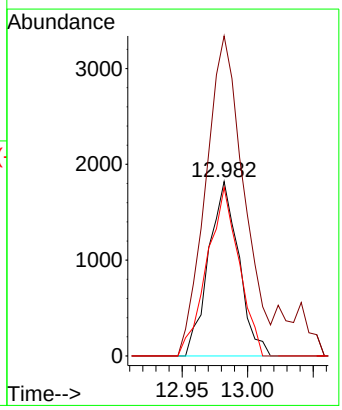


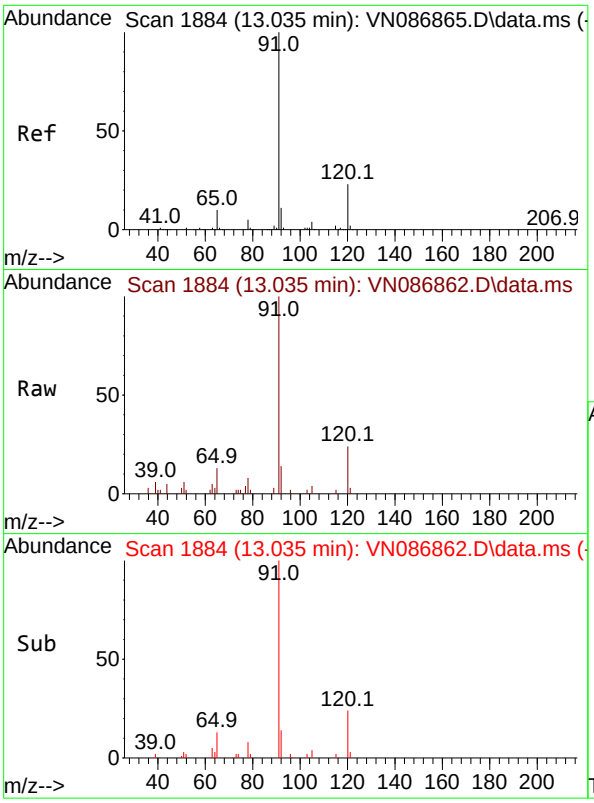


#77
Bromobenzene
Concen: 1.042 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:156 Resp: 2913

Ion	Ratio	Lower	Upper
156	100		
77	230.2	117.7	353.1
158	102.5	48.1	144.4



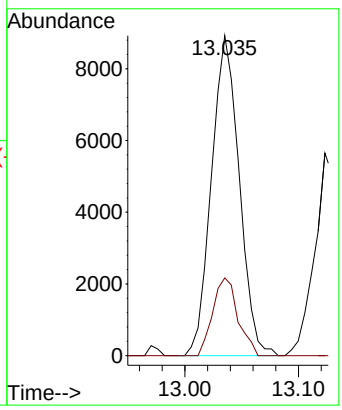


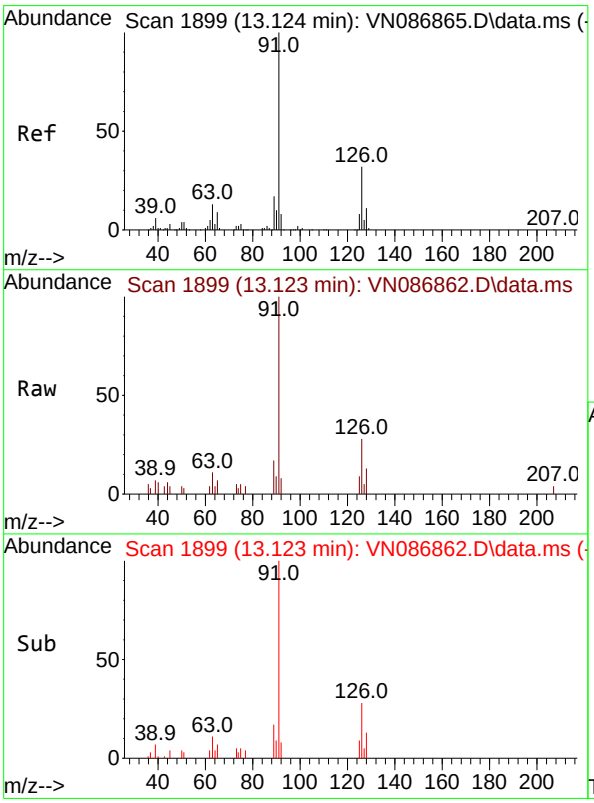
#78
n-propylbenzene
Concen: 1.023 ug/l
RT: 13.035 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 15168

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.4	34.2

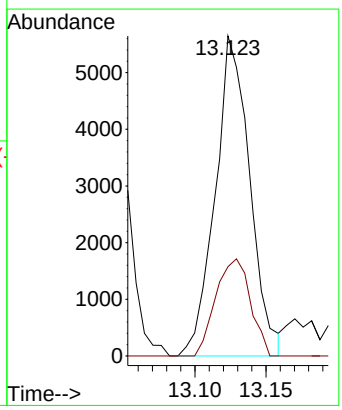


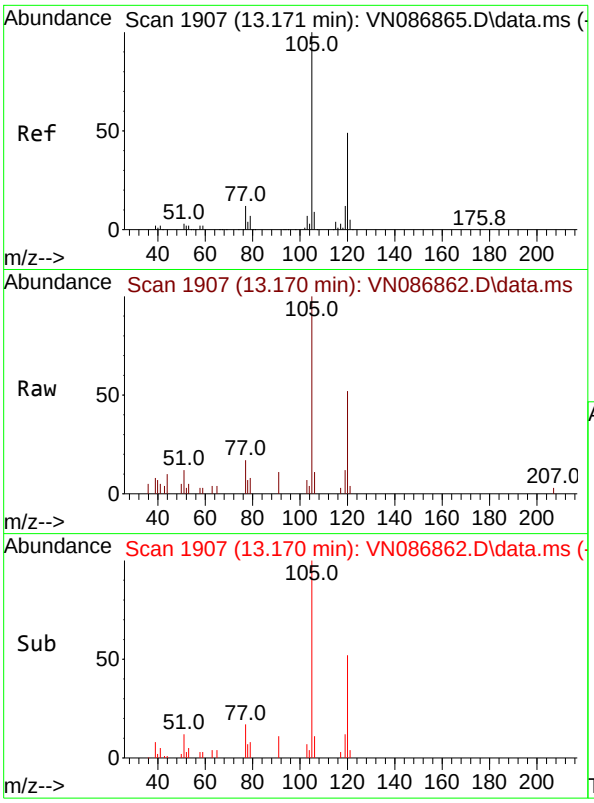


#79
2-Chlorotoluene
Concen: 1.074 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 91 Resp: 9550

Ion	Ratio	Lower	Upper
91	100		
126	30.4	16.2	48.5



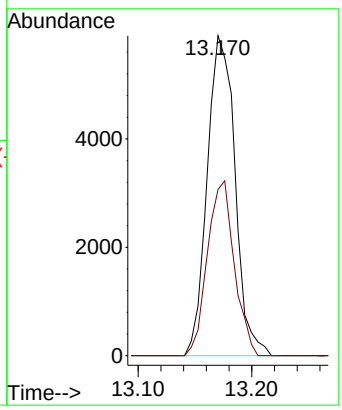


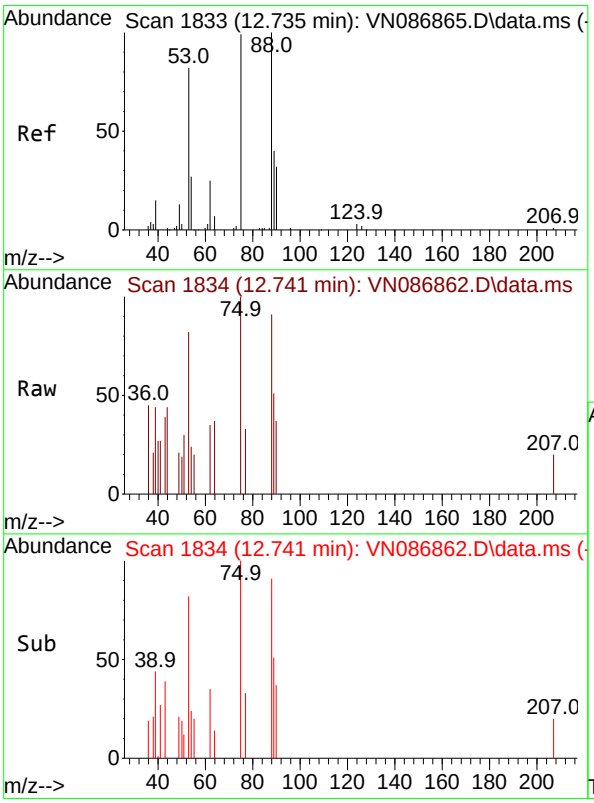
#80
1,3,5-Trimethylbenzene
Concen: 0.999 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 10058

Ion	Ratio	Lower	Upper
105	100		
120	52.7	24.9	74.6

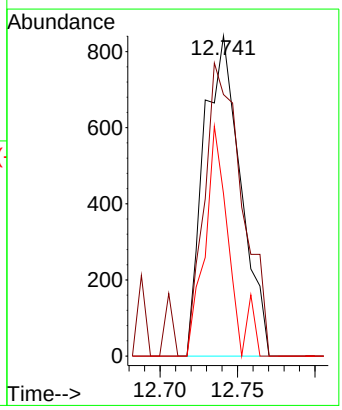


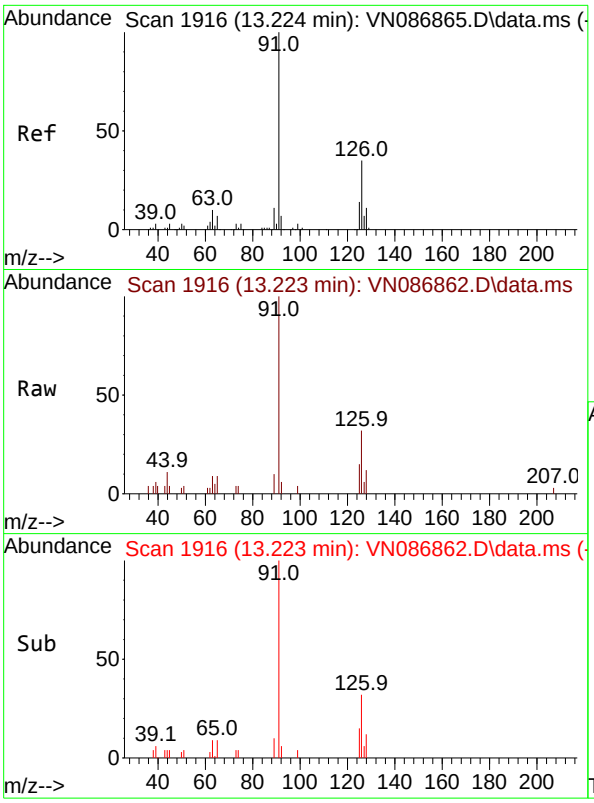


#81
trans-1,4-Dichloro-2-butene
Concen: 0.805 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 75 Resp: 1392

Ion	Ratio	Lower	Upper
75	100		
53	93.8	66.6	99.8
89	46.6	36.7	55.1



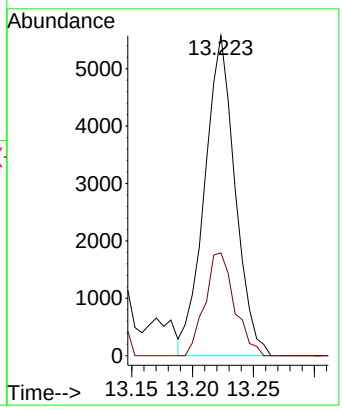


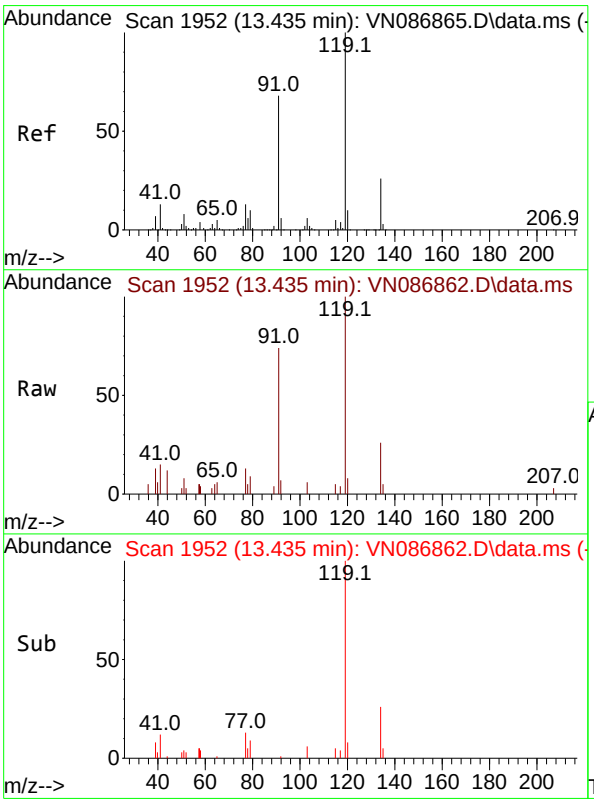
#82
4-Chlorotoluene
Concen: 1.079 ug/l
RT: 13.223 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 9706

Ion	Ratio	Lower	Upper
91	100		
126	31.1	16.7	50.1

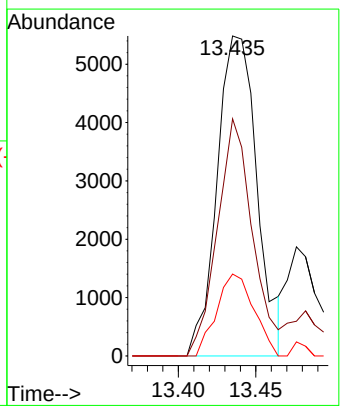


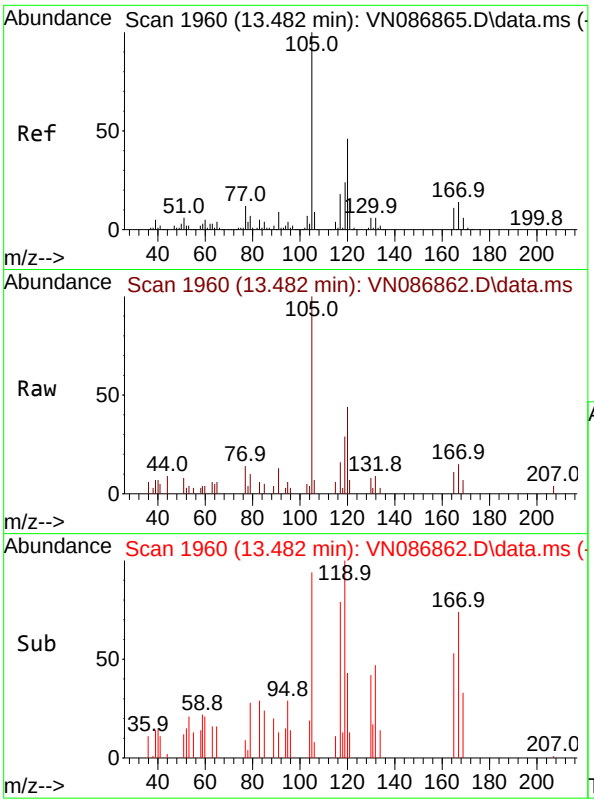


#83
tert-Butylbenzene
Concen: 1.069 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:119 Resp: 9849

Ion	Ratio	Lower	Upper
119	100		
91	65.3	32.1	96.5
134	23.9	13.4	40.1



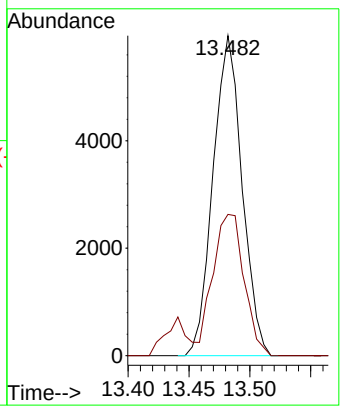


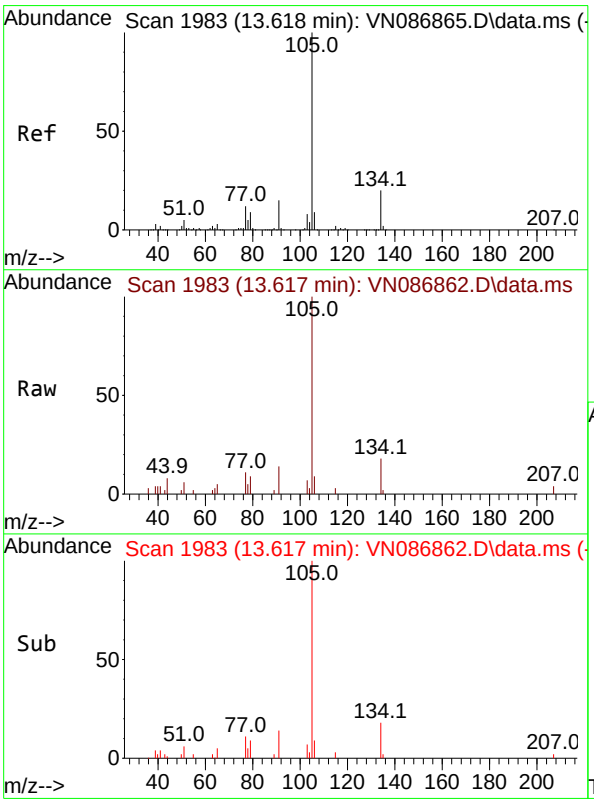
#84
1,2,4-Trimethylbenzene
Concen: 0.979 ug/l
RT: 13.482 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 9882

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.2	69.6

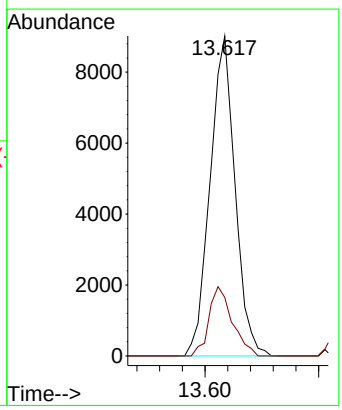


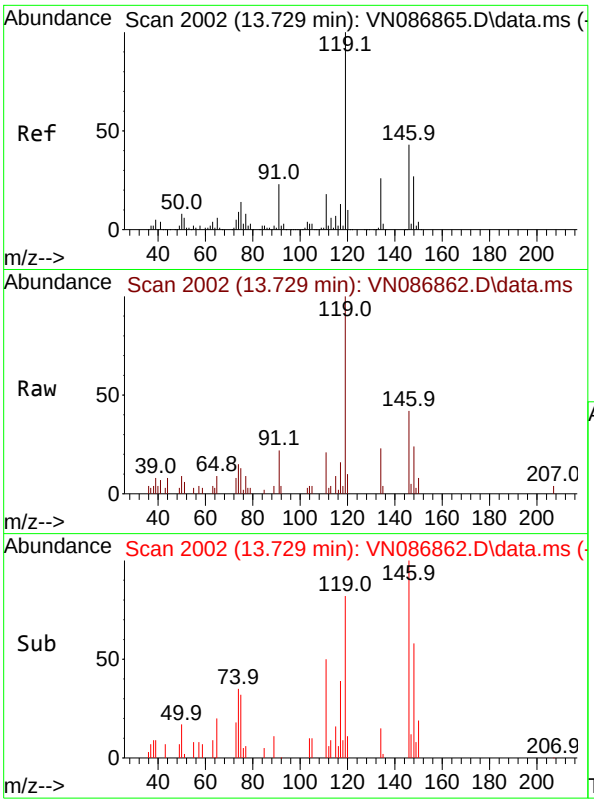


#85
sec-Butylbenzene
Concen: 1.029 ug/l
RT: 13.617 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:105 Resp: 13775

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0



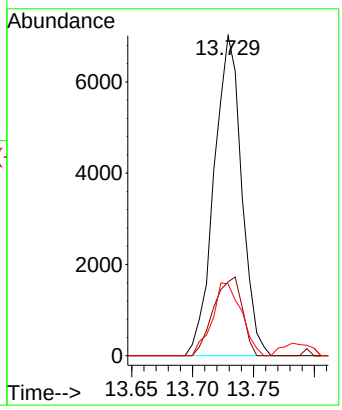


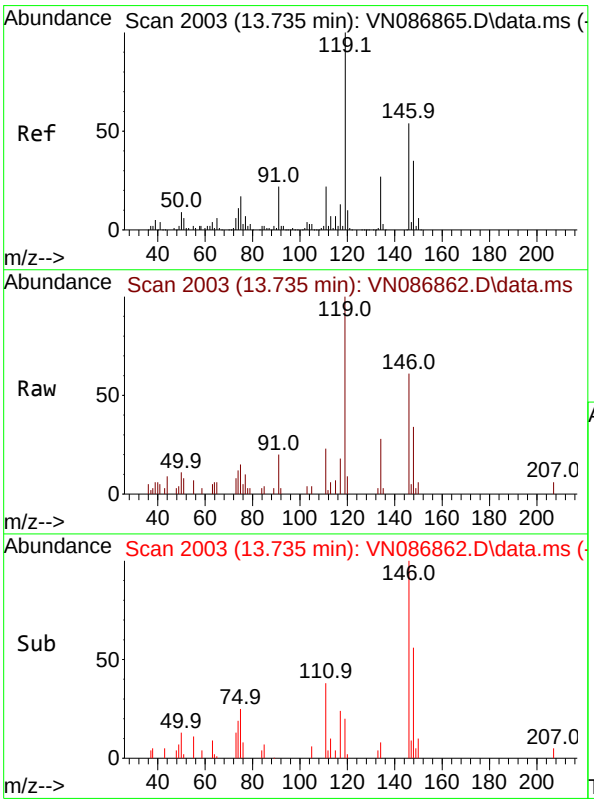
#86
p-Isopropyltoluene
Concen: 1.000 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 11065

Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.5	40.4
91	24.1	11.5	34.4

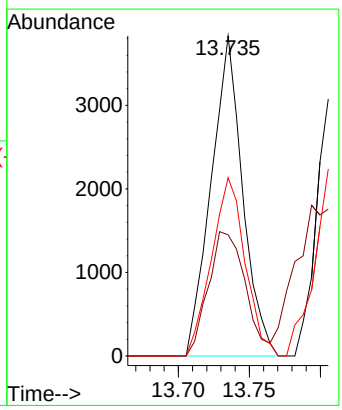


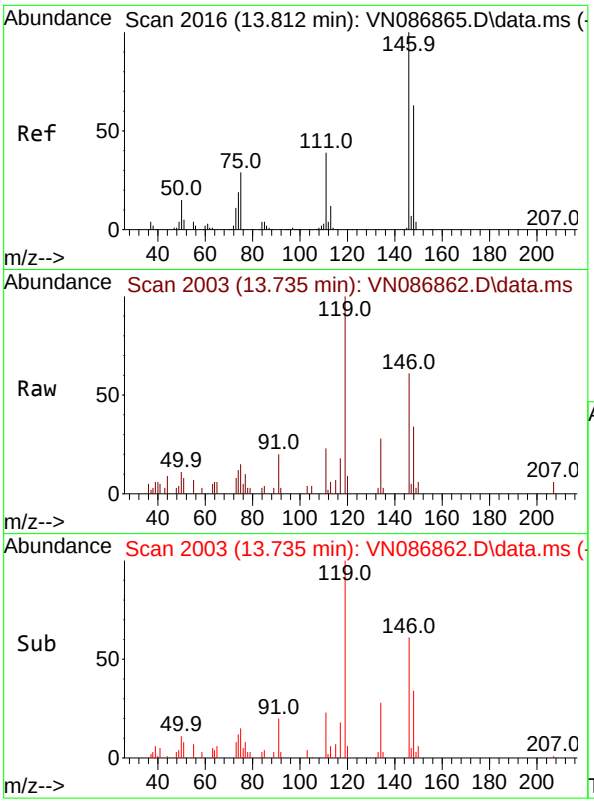


#87
1,3-Dichlorobenzene
Concen: 1.073 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:146 Resp: 5903

Ion	Ratio	Lower	Upper
146	100		
111	45.8	20.9	62.8
148	59.7	32.0	96.2



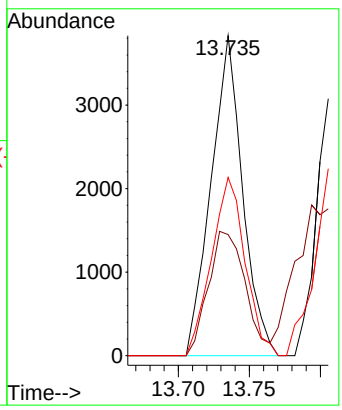


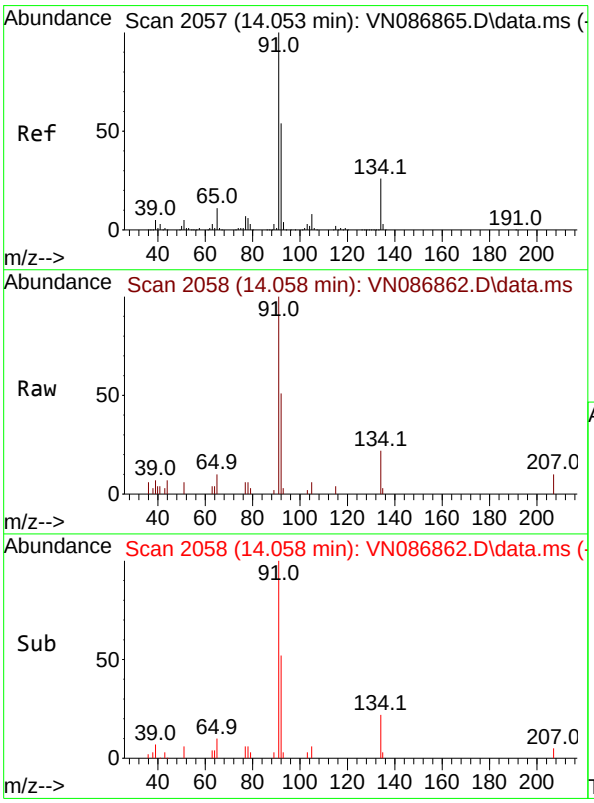
#88
1,4-Dichlorobenzene
Concen: 1.052 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.077 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 5903

Ion	Ratio	Lower	Upper
146	100		
111	45.8	19.9	59.7
148	59.7	31.8	95.4

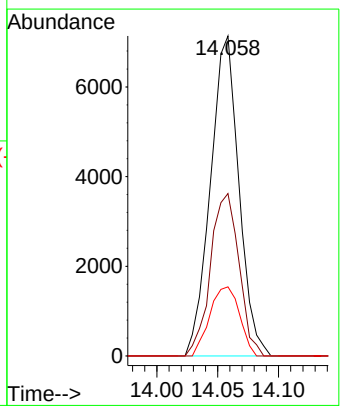


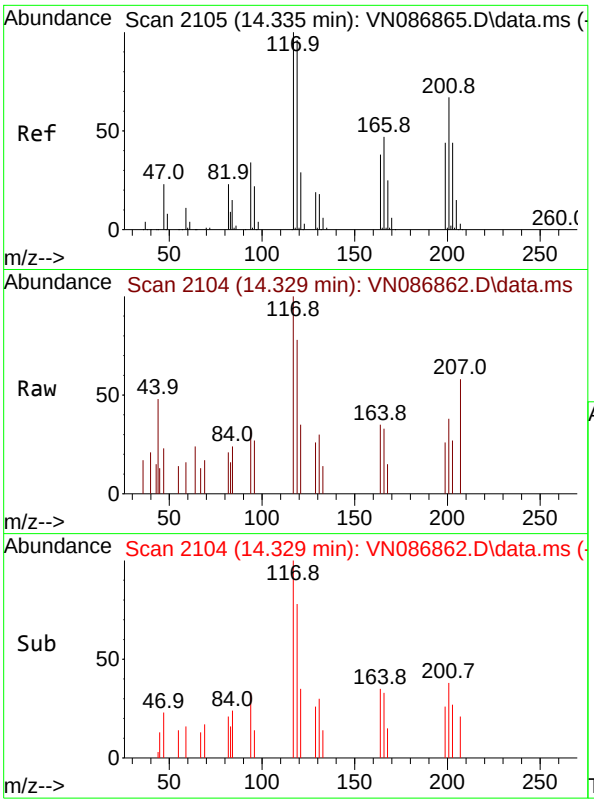


#89
n-Butylbenzene
Concen: 1.085 ug/l
RT: 14.058 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion: 91 Resp: 11627

Ion	Ratio	Lower	Upper
91	100		
92	50.8	27.5	82.4
134	22.6	13.0	39.0



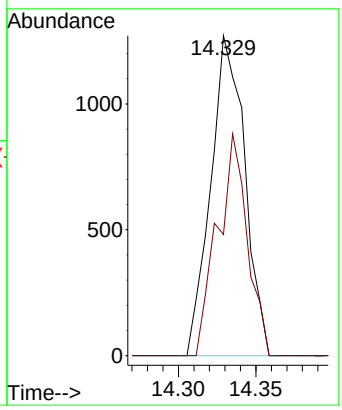


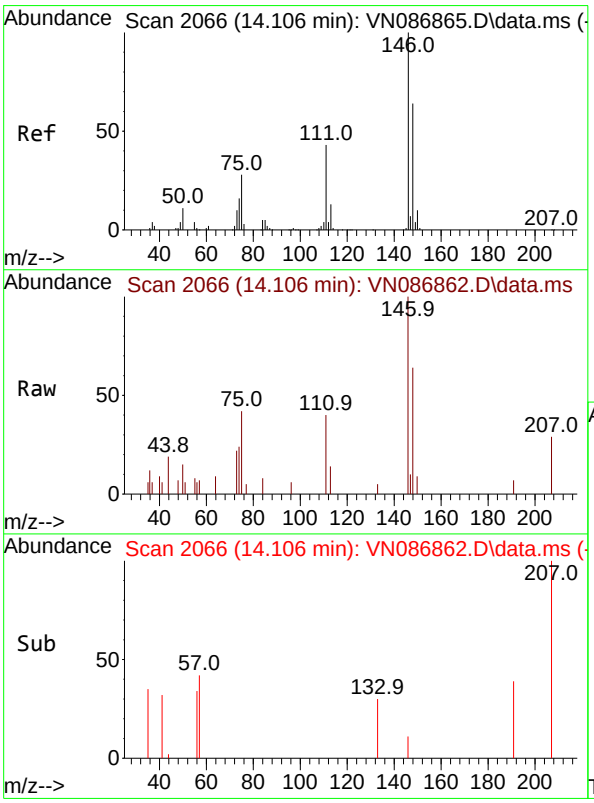
#90
Hexachloroethane
Concen: 1.036 ug/l
RT: 14.329 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 1942

Ion	Ratio	Lower	Upper
117	100		
201	60.6	33.2	99.6

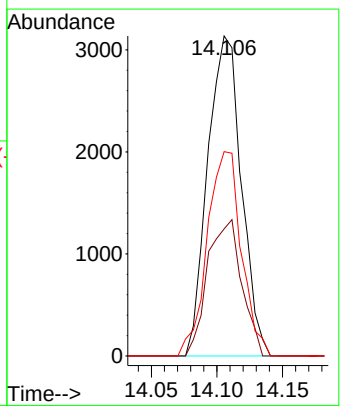


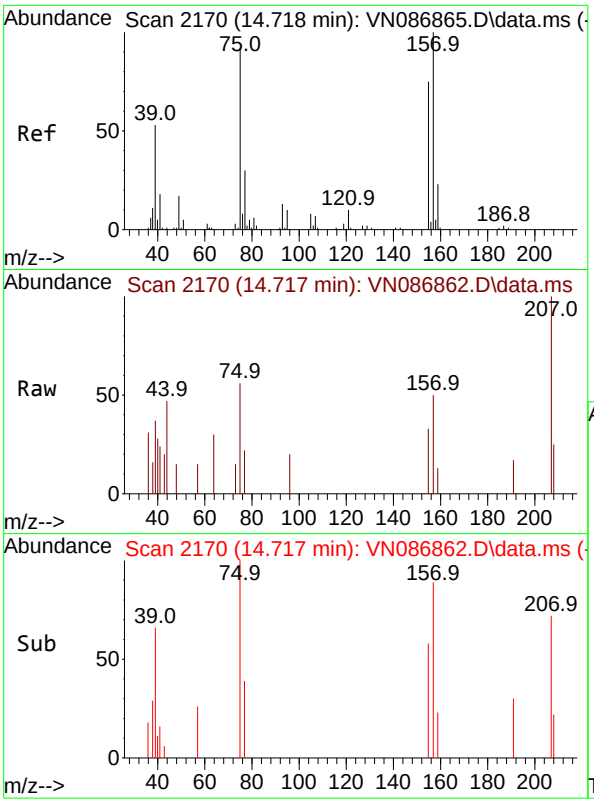


#91
1,2-Dichlorobenzene
Concen: 1.061 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:146 Resp: 5607

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	64.6
148	64.7	31.7	95.1



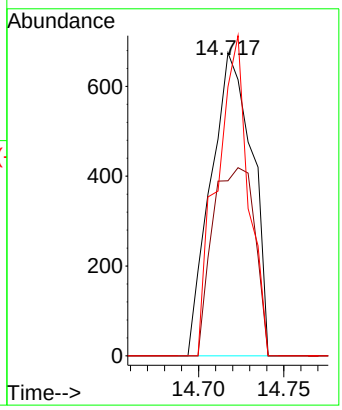


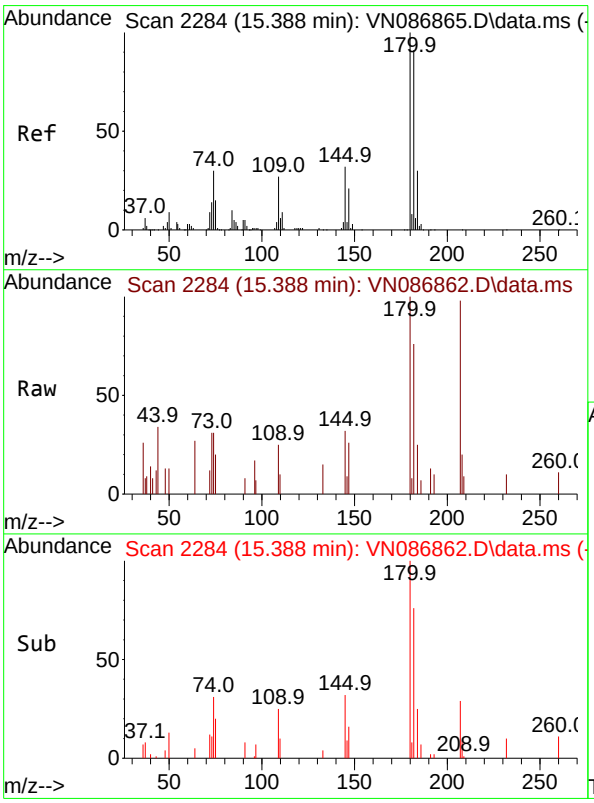
#92
1,2-Dibromo-3-Chloropropane
Concen: 1.150 ug/l
RT: 14.717 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 1136

Ion	Ratio	Lower	Upper
75	100		
155	63.6	41.1	123.4
157	81.0	52.7	158.1

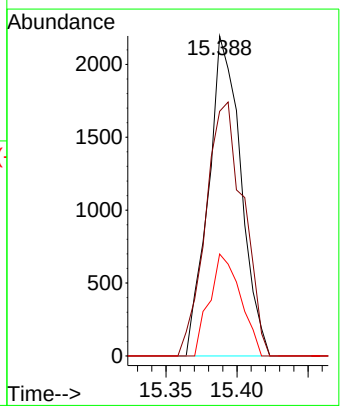


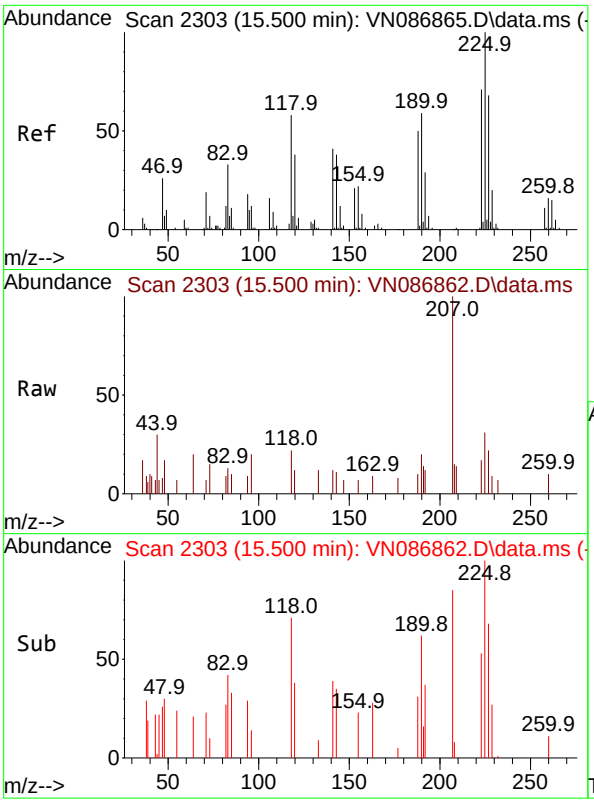


#93
1,2,4-Trichlorobenzene
Concen: 1.034 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:180 Resp: 3489

Ion	Ratio	Lower	Upper
180	100		
182	92.1	46.9	140.7
145	30.4	16.0	47.9



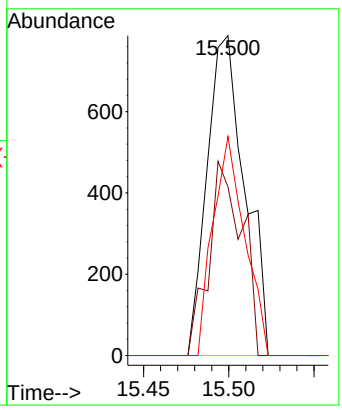


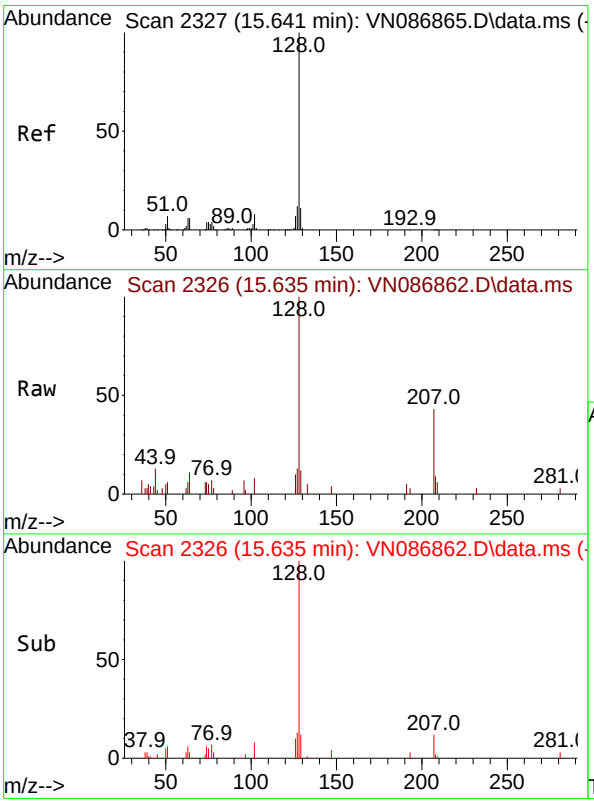
#94
Hexachlorobutadiene
Concen: 0.969 ug/l
RT: 15.500 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:225 Resp: 1219

Ion	Ratio	Lower	Upper
225	100		
223	53.6	33.5	100.4
227	57.5	31.1	93.5

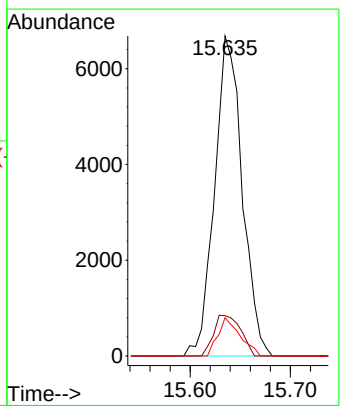


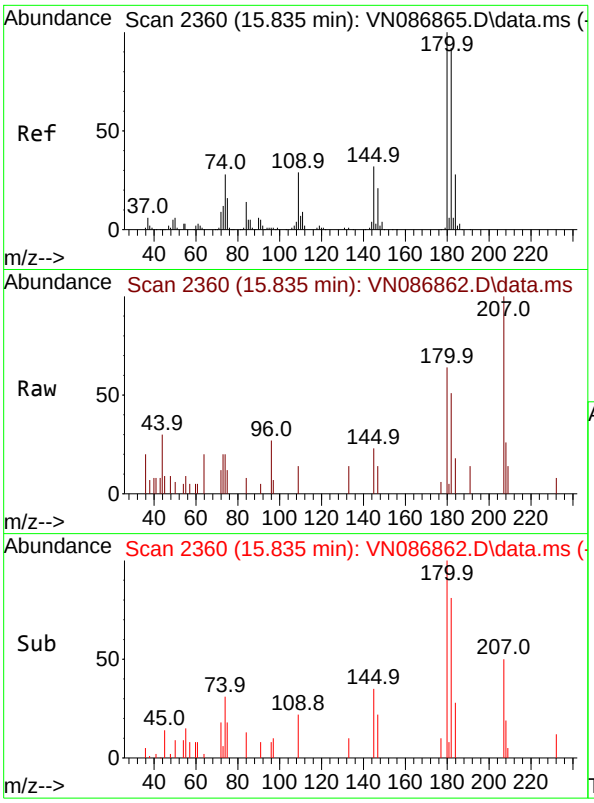


#95
Naphthalene
Concen: 1.018 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Tgt Ion:128 Resp: 12789

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.2
129	9.5	8.8	13.2



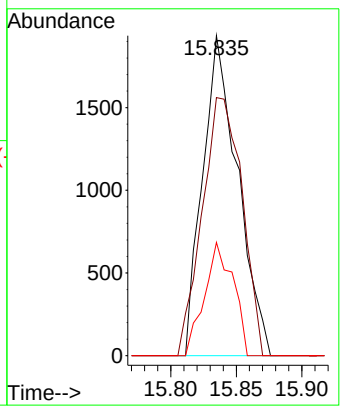


#96
1,2,3-Trichlorobenzene
Concen: 1.072 ug/l
RT: 15.835 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086862.D
Acq: 06 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 3594

Ion	Ratio	Lower	Upper
180	100		
182	91.6	47.0	141.0
145	29.0	16.6	49.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.230	168	229701	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.106	114	423980	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	371851	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	181065	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.588	65	16818	5.468	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.940%#			
35) Dibromofluoromethane	8.177	113	12867	5.121	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.240%#			
50) Toluene-d8	10.571	98	52794	5.308	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.620%#			
62) 4-Bromofluorobenzene	12.847	95	18697	5.059	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.120%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.154	85	10196	4.452	ug/l		93
3) Chloromethane	2.395	50	15025	5.080	ug/l		98
4) Vinyl Chloride	2.554	62	15384	5.043	ug/l		97
5) Bromomethane	2.989	94	8606	5.041	ug/l		97
6) Chloroethane	3.154	64	10190	5.171	ug/l		96
7) Trichlorofluoromethane	3.518	101	20740	5.203	ug/l		99
8) Diethyl Ether	3.971	74	9121	5.252	ug/l		95
9) 1,1,2-Trichlorotrifluo...	4.401	101	13034	5.205	ug/l		97
10) Methyl Iodide	4.606	142	16530	5.092	ug/l		98
11) Tert butyl alcohol	5.542	59	22000	26.363	ug/l		99
12) 1,1-Dichloroethene	4.359	96	13610	5.323	ug/l		94
13) Acrolein	4.195	56	8401	31.804	ug/l		99
14) Allyl chloride	5.042	41	20925	4.935	ug/l		99
15) Acrylonitrile	5.736	53	49826	25.545	ug/l		99
16) Acetone	4.448	43	41981	25.741	ug/l		99
17) Carbon Disulfide	4.736	76	37246	5.267	ug/l		97
18) Methyl Acetate	5.048	43	24096	5.070	ug/l		97
19) Methyl tert-butyl Ether	5.812	73	46823	5.058	ug/l		95
20) Methylene Chloride	5.300	84	15809	5.178	ug/l		96
21) trans-1,2-Dichloroethene	5.806	96	15480	5.442	ug/l	#	81
22) Diisopropyl ether	6.689	45	46396	5.191	ug/l		99
23) Vinyl Acetate	6.618	43	194334	25.735	ug/l		100
24) 1,1-Dichloroethane	6.583	63	26473	5.147	ug/l		99
25) 2-Butanone	7.494	43	68629	25.888	ug/l		99
26) 2,2-Dichloropropane	7.500	77	18288	4.571	ug/l		100
27) cis-1,2-Dichloroethene	7.500	96	17594	5.172	ug/l		98
28) Bromochloromethane	7.830	49	12958	5.124	ug/l	#	97
29) Tetrahydrofuran	7.853	42	44749	25.912	ug/l		98
30) Chloroform	7.977	83	26450	5.149	ug/l		95
31) Cyclohexane	8.271	56	29938	6.002	ug/l		95
32) 1,1,1-Trichloroethane	8.177	97	22857	5.232	ug/l	#	50
36) 1,1-Dichloropropene	8.377	75	19410	5.184	ug/l		98
37) Ethyl Acetate	7.571	43	26073	5.470	ug/l		97
38) Carbon Tetrachloride	8.371	117	19056	5.184	ug/l		99
39) Methylcyclohexane	9.606	83	27353	5.333	ug/l		95
40) Benzene	8.612	78	63646	5.199	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.783	41	13518	5.050	ug/l		99
42) 1,2-Dichloroethane	8.683	62	19329	5.205	ug/l		98
43) Isopropyl Acetate	8.700	43	40268	5.264	ug/l		98
44) Trichloroethene	9.359	130	15245	5.251	ug/l		96
45) 1,2-Dichloropropane	9.624	63	15632	5.248	ug/l		99
46) Dibromomethane	9.718	93	10241	5.176	ug/l		99
47) Bromodichloromethane	9.888	83	20512	5.039	ug/l		97
48) Methyl methacrylate	9.688	41	17591	4.996	ug/l		94
49) 1,4-Dioxane	9.700	88	6141	95.874	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.447	43	116434	25.283	ug/l		97
52) Toluene	10.630	92	38744	5.178	ug/l		99
53) t-1,3-Dichloropropene	10.841	75	22285	4.896	ug/l		98
54) cis-1,3-Dichloropropene	10.318	75	24477	5.026	ug/l		93
55) 1,1,2-Trichloroethane	11.018	97	15068	5.234	ug/l		97
56) Ethyl methacrylate	10.888	69	21893	4.774	ug/l		95
57) 1,3-Dichloropropane	11.165	76	25452	5.096	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	64722	23.664	ug/l		98
59) 2-Hexanone	11.212	43	59884	20.188	ug/l		99
60) Dibromochloromethane	11.359	129	14884	4.962	ug/l		98
61) 1,2-Dibromoethane	11.471	107	15172	5.141	ug/l		99
64) Tetrachloroethene	11.106	164	12322	5.236	ug/l		92
65) Chlorobenzene	11.894	112	42195	5.145	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.965	131	13897	5.271	ug/l		97
67) Ethyl Benzene	11.965	91	73443	5.199	ug/l		97
68) m/p-Xylenes	12.071	106	55859	10.330	ug/l		100
69) o-Xylene	12.400	106	26004	5.021	ug/l		96
70) Styrene	12.412	104	44380	5.008	ug/l		98
71) Bromoform	12.582	173	9890	5.063	ug/l	#	96
73) Isopropylbenzene	12.694	105	67878	5.146	ug/l		100
74) N-amyl acetate	12.559	43	7051	1.611	ug/l	#	53
75) 1,1,2,2-Tetrachloroethane	12.935	83	23516	5.262	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	31004	7.181	ug/l		74
77) Bromobenzene	12.976	156	15485	5.119	ug/l		92
78) n-propylbenzene	13.035	91	83781	5.226	ug/l		99
79) 2-Chlorotoluene	13.124	91	49297	5.128	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	55961	5.139	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.741	75	9234	4.939	ug/l		94
82) 4-Chlorotoluene	13.223	91	49924	5.132	ug/l		100
83) tert-Butylbenzene	13.435	119	50874	5.103	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	56525	5.176	ug/l		100
85) sec-Butylbenzene	13.618	105	74711	5.161	ug/l		99
86) p-Isopropyltoluene	13.729	119	62016	5.182	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	30949	5.200	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	32342	5.330	ug/l		96
89) n-Butylbenzene	14.053	91	59601	5.142	ug/l		99
90) Hexachloroethane	14.335	117	9725	4.794	ug/l		95
91) 1,2-Dichlorobenzene	14.106	146	29897	5.228	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5731	5.363	ug/l		93
93) 1,2,4-Trichlorobenzene	15.394	180	18778	5.143	ug/l		99
94) Hexachlorobutadiene	15.500	225	7072	5.199	ug/l		99
95) Naphthalene	15.641	128	67481	4.965	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	18262	5.034	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

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

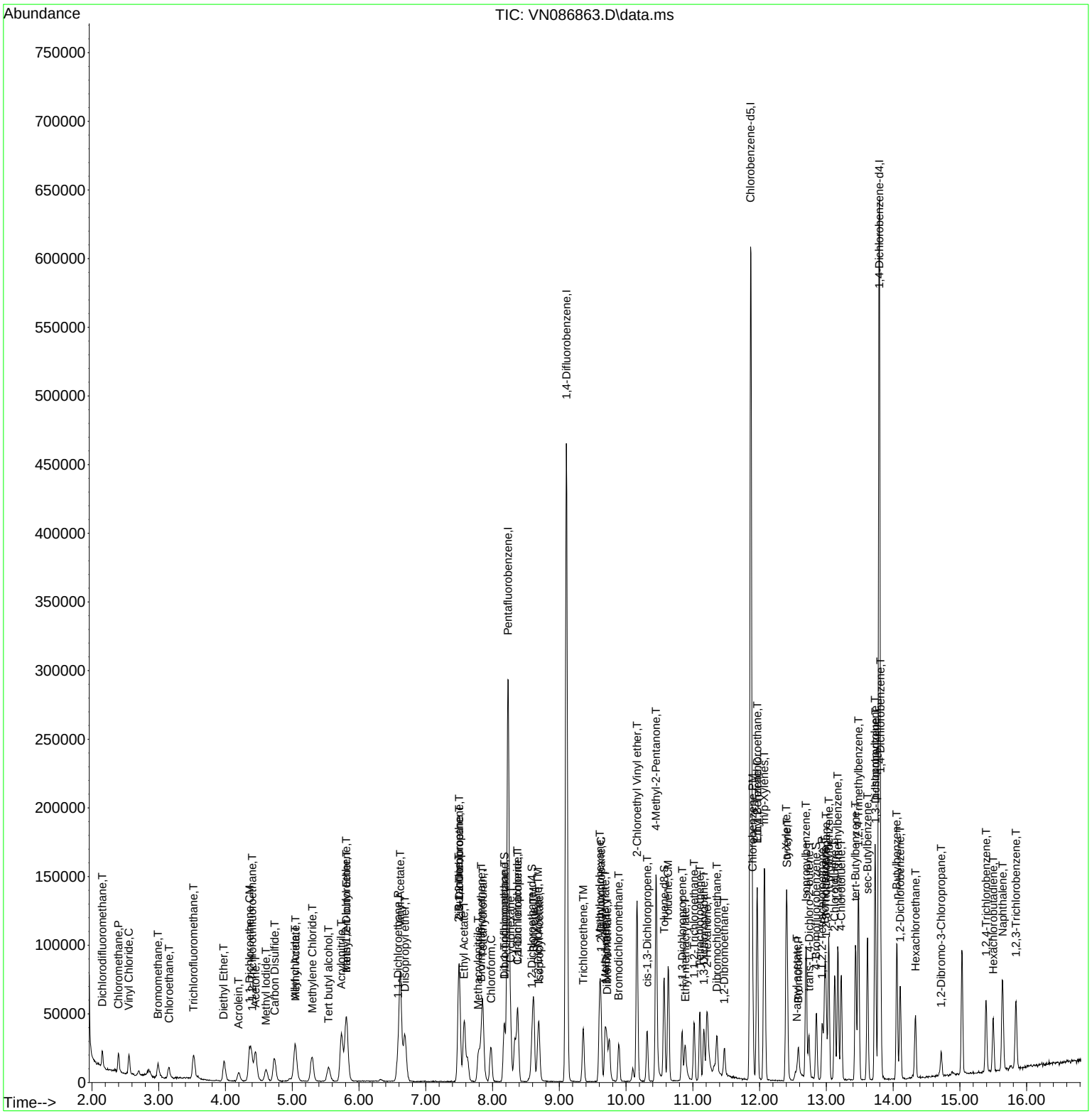
(#) = qualifier out of range (m) = manual integration (+) = signals summed

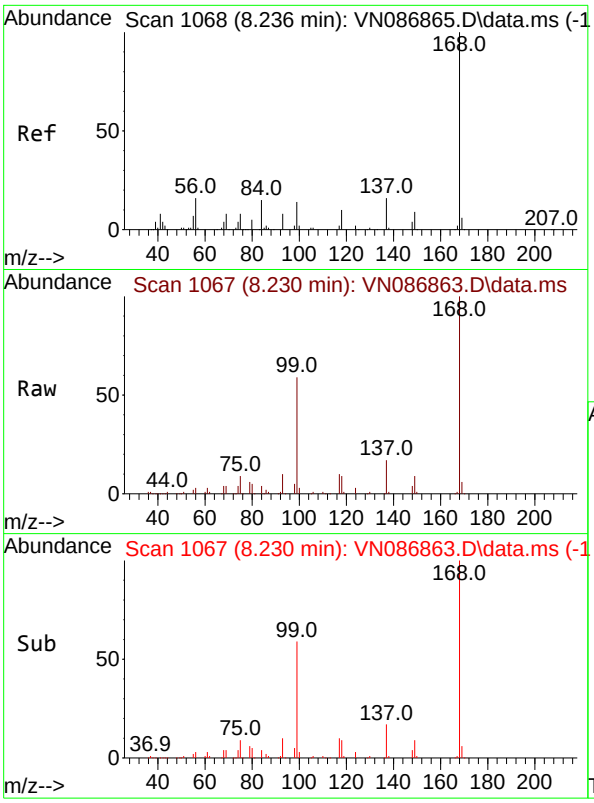
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration



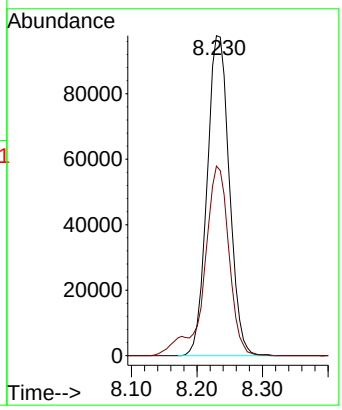


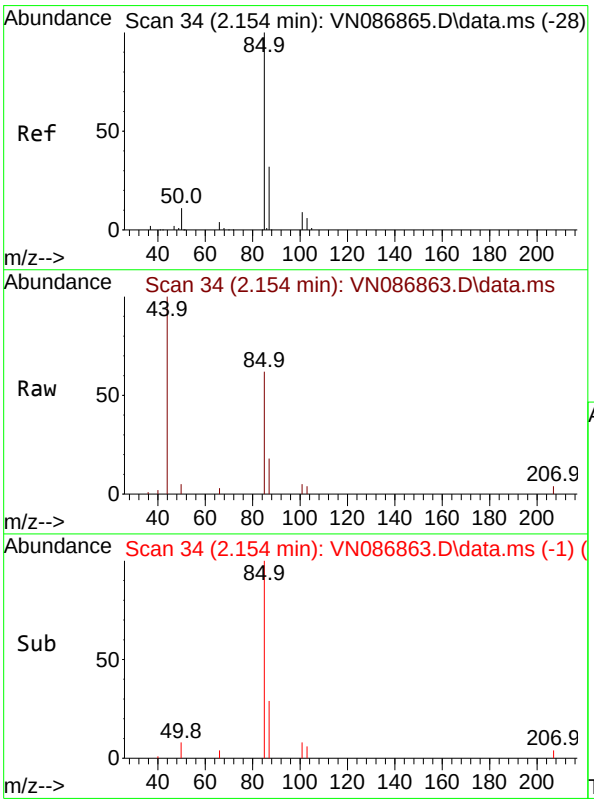
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 229701

Ion	Ratio	Lower	Upper
168	100		
99	59.2	49.1	73.7

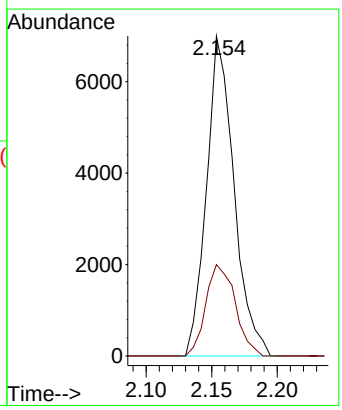


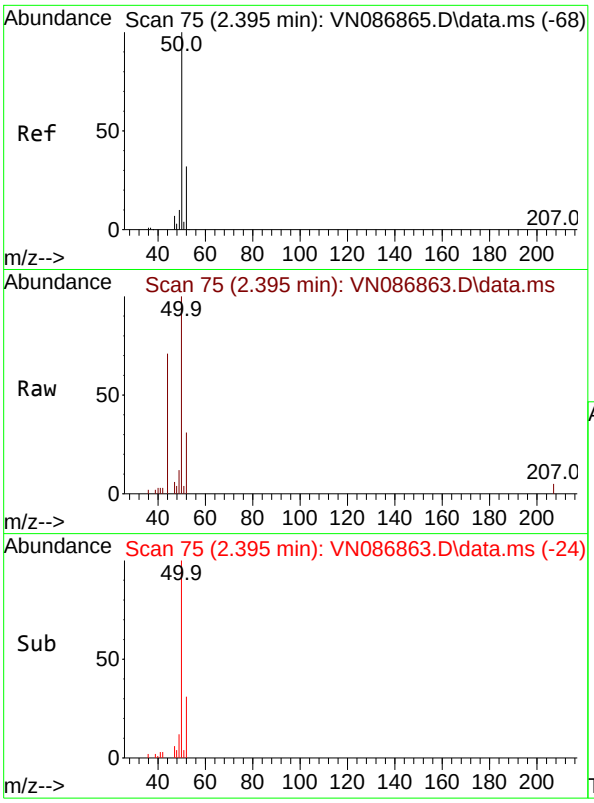


#2
Dichlorodifluoromethane
Concen: 4.452 ug/l
RT: 2.154 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 85 Resp: 10196

Ion	Ratio	Lower	Upper
85	100		
87	28.6	16.2	48.6



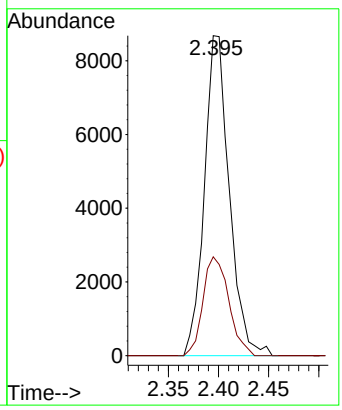


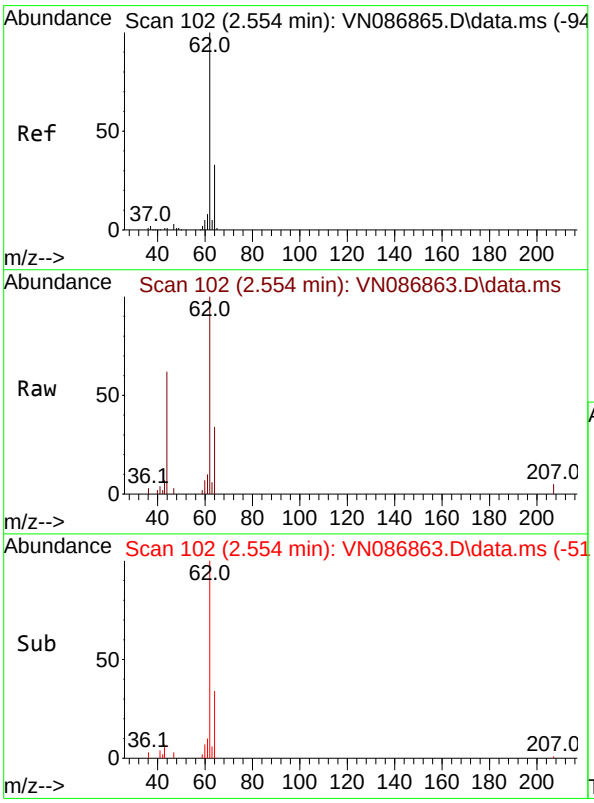
#3
Chloromethane
Concen: 5.080 ug/l
RT: 2.395 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 15025

Ion	Ratio	Lower	Upper
50	100		
52	30.9	25.7	38.5

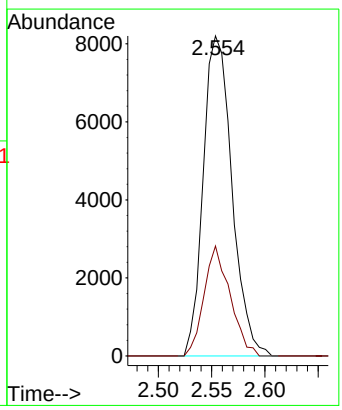


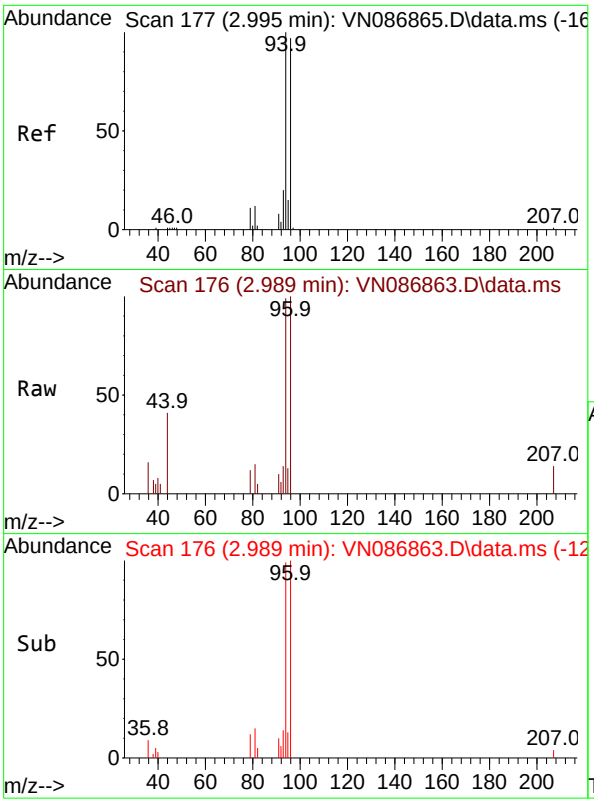


#4
Vinyl Chloride
Concen: 5.043 ug/l
RT: 2.554 min Scan# 102
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 62 Resp: 15384

Ion	Ratio	Lower	Upper
62	100		
64	34.3	26.0	39.0



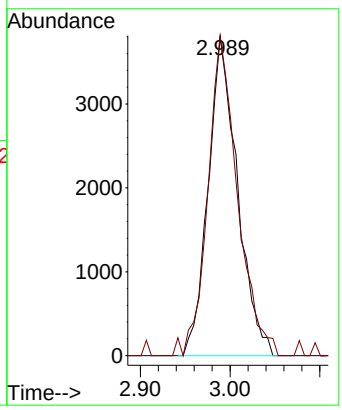


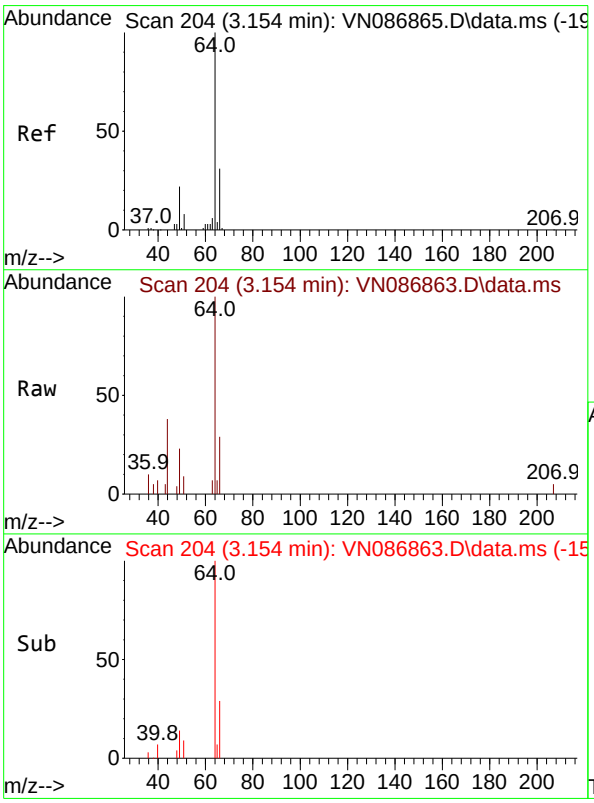
#5
Bromomethane
Concen: 5.041 ug/l
RT: 2.989 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 8606

Ion	Ratio	Lower	Upper
94	100		
96	100.6	77.9	116.9

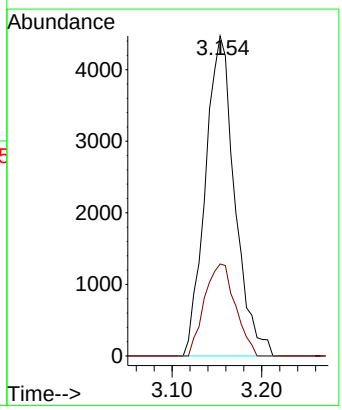


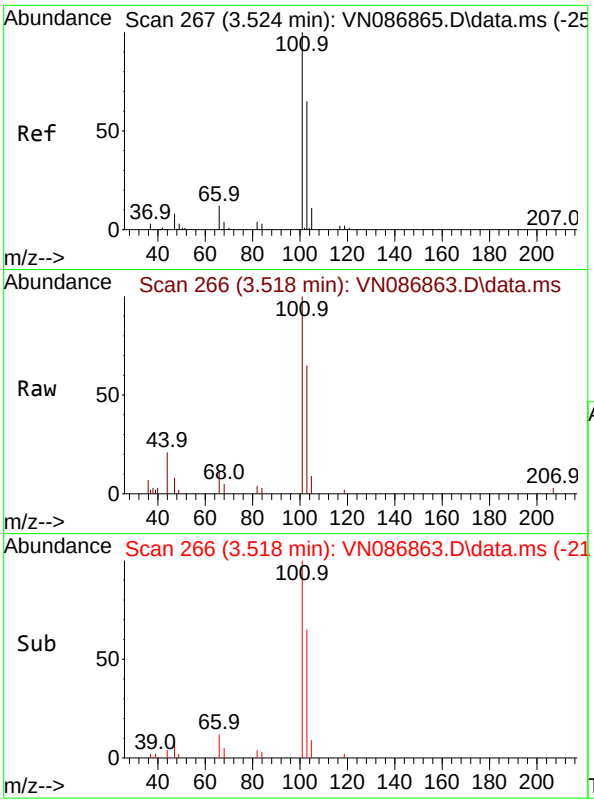


#6
Chloroethane
Concen: 5.171 ug/l
RT: 3.154 min Scan# 204
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 64 Resp: 10190

Ion	Ratio	Lower	Upper
64	100		
66	28.8	24.6	36.8



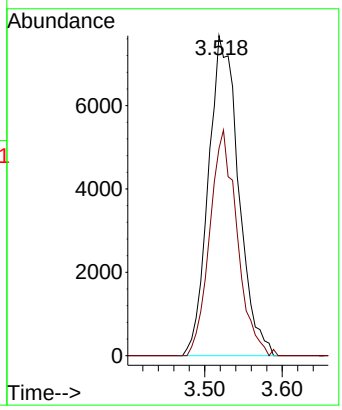


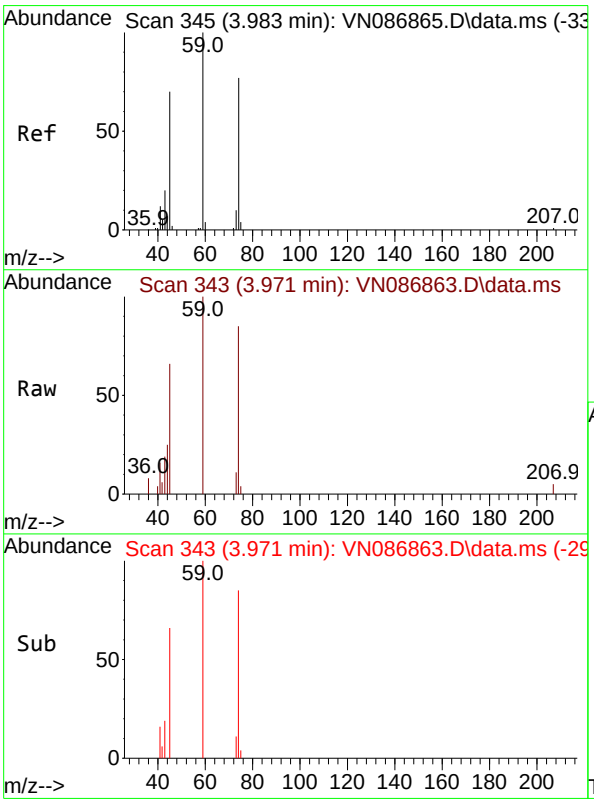
#7
Trichlorofluoromethane
Concen: 5.203 ug/l
RT: 3.518 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 20740

Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.2	78.2

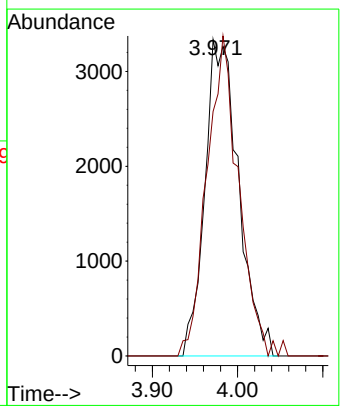


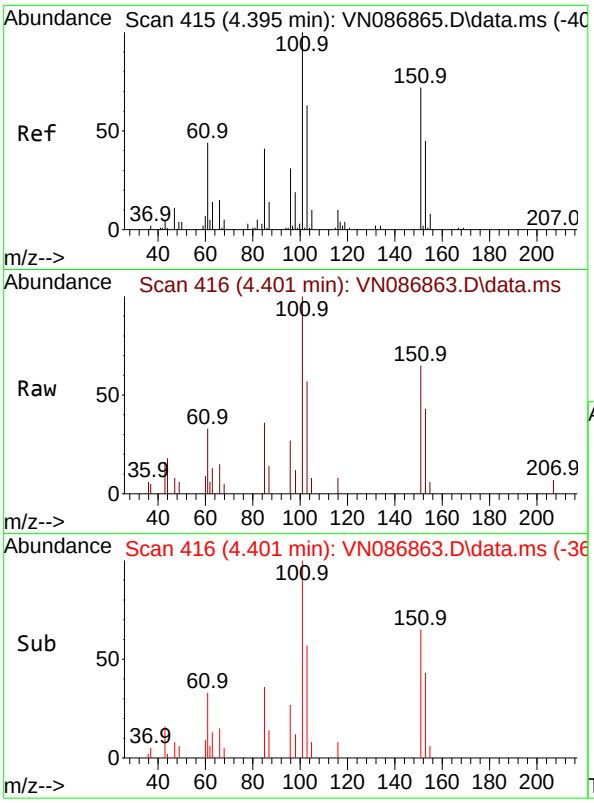


#8
Diethyl Ether
Concen: 5.252 ug/l
RT: 3.971 min Scan# 343
Delta R.T. -0.012 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 74 Resp: 9121

Ion	Ratio	Lower	Upper
74	100		
45	95.8	45.5	136.5



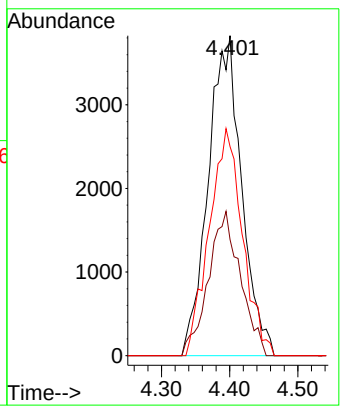


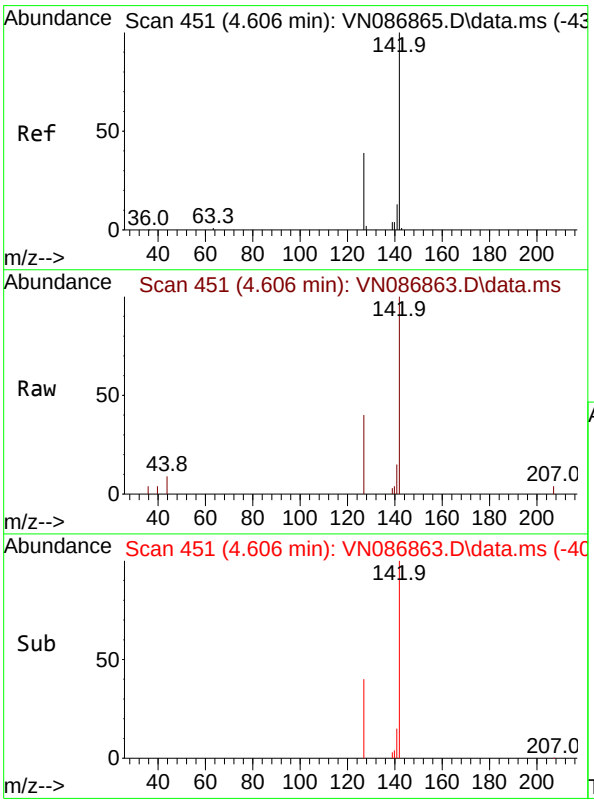
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.205 ug/l
RT: 4.401 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 13034

Ion	Ratio	Lower	Upper
101	100		
85	43.3	33.8	50.8
151	70.8	58.7	88.1

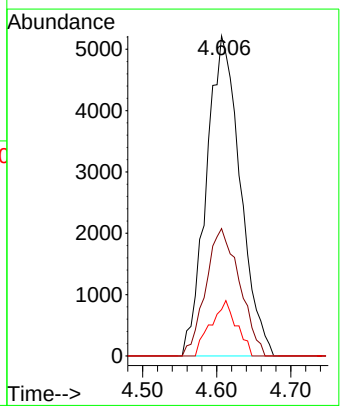


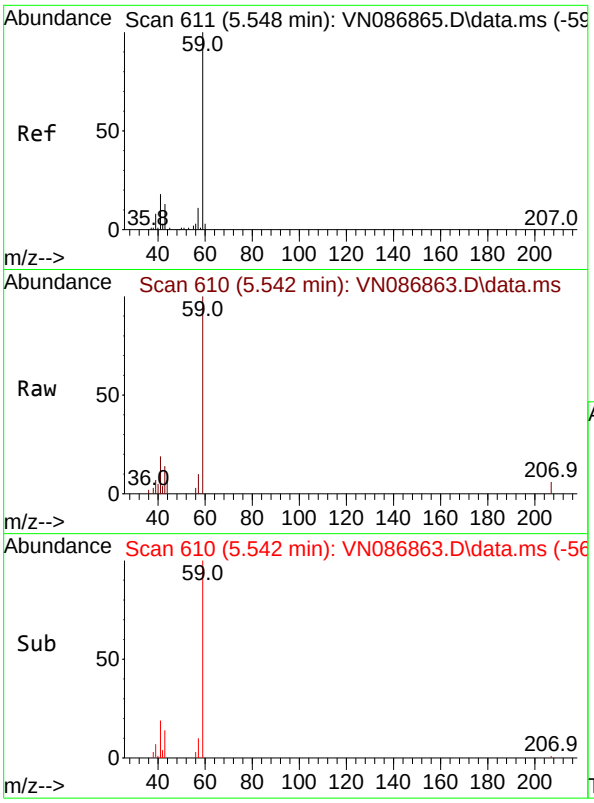


#10
Methyl Iodide
Concen: 5.092 ug/l
RT: 4.606 min Scan# 451
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:142 Resp: 16530

Ion	Ratio	Lower	Upper
142	100		
127	39.8	30.9	46.3
141	14.5	10.4	15.6



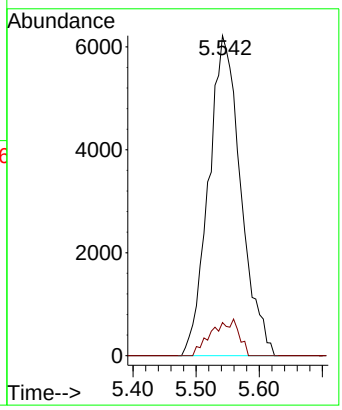


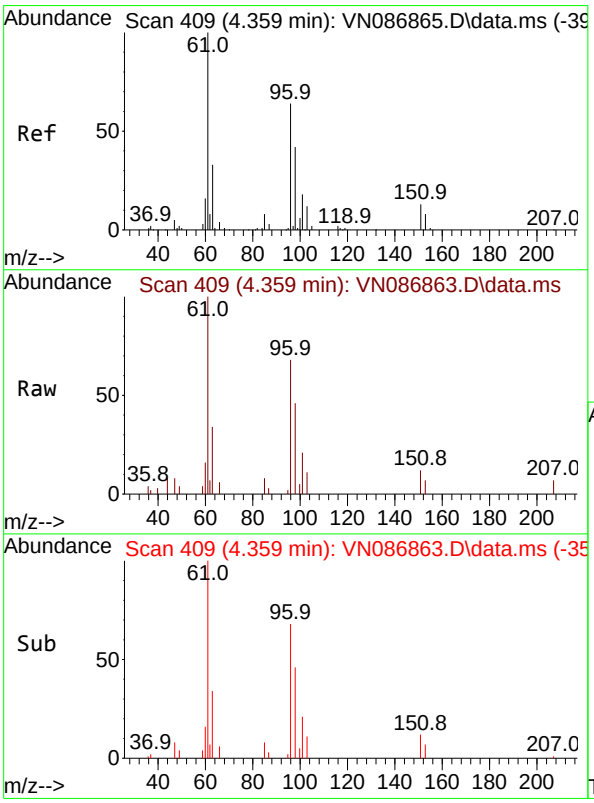
#11
Tert butyl alcohol
Concen: 26.363 ug/l
RT: 5.542 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 22000

Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.1	12.1

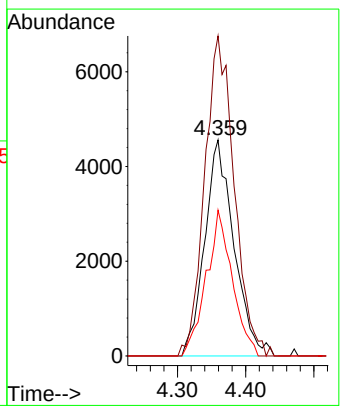


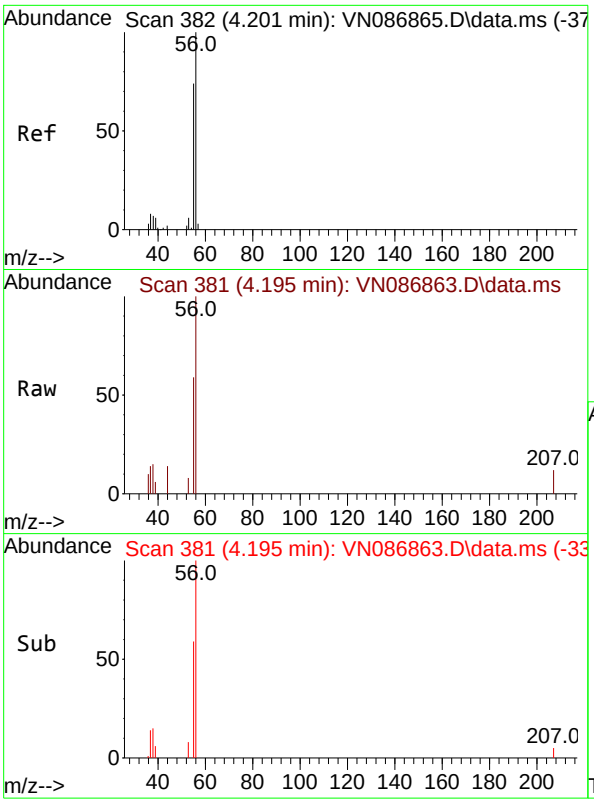


#12
1,1-Dichloroethene
Concen: 5.323 ug/l
RT: 4.359 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 96 Resp: 13610

Ion	Ratio	Lower	Upper
96	100		
61	148.1	125.8	188.6
98	67.5	52.5	78.7



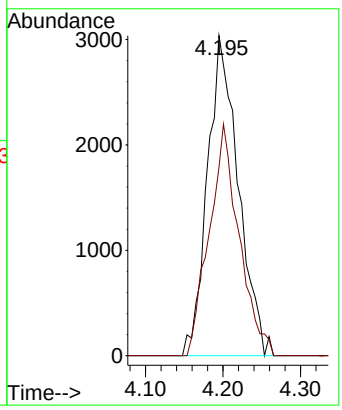


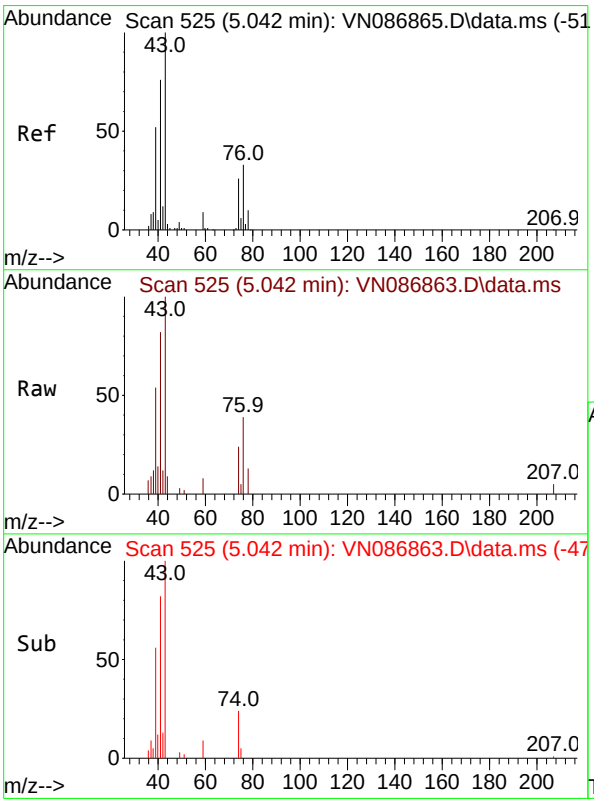
#13
Acrolein
Concen: 31.804 ug/l
RT: 4.195 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 8401

Ion	Ratio	Lower	Upper
56	100		
55	70.2	55.6	83.4

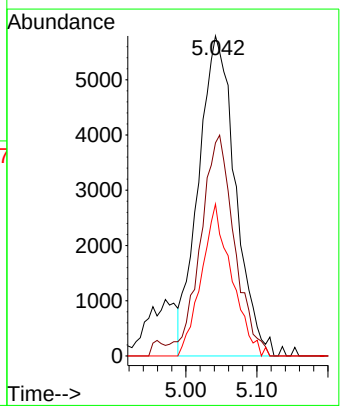


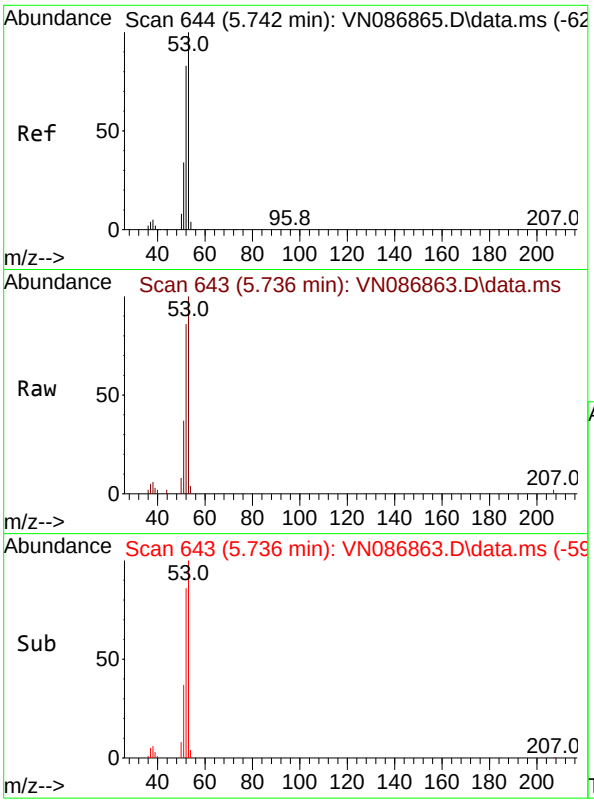


#14
Allyl chloride
Concen: 4.935 ug/l
RT: 5.042 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 41 Resp: 20925

Ion	Ratio	Lower	Upper
41	100		
39	63.2	51.3	76.9
76	39.0	31.4	47.0



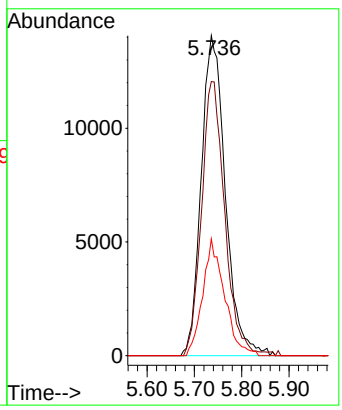


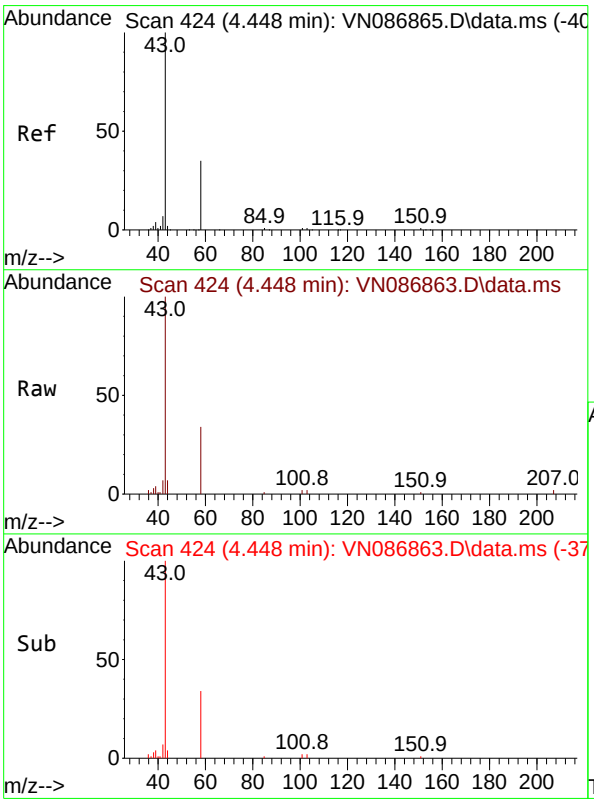
#15
Acrylonitrile
Concen: 25.545 ug/l
RT: 5.736 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 49826

Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.0	97.6
51	32.9	27.2	40.8

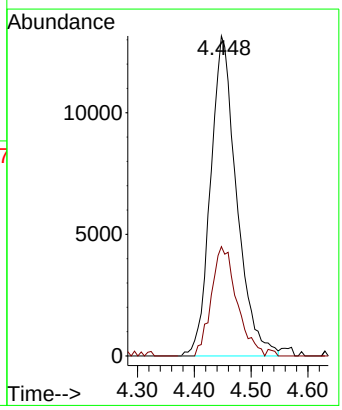


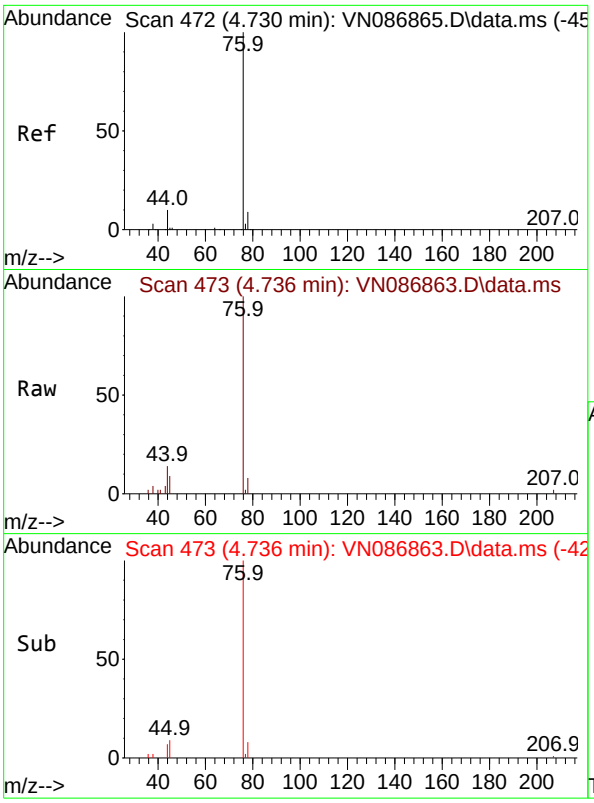


#16
Acetone
Concen: 25.741 ug/l
RT: 4.448 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 43 Resp: 41981

Ion	Ratio	Lower	Upper
43	100		
58	34.1	28.0	42.0



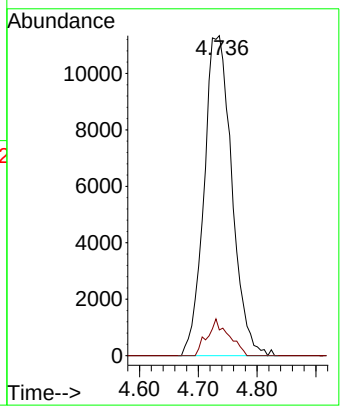


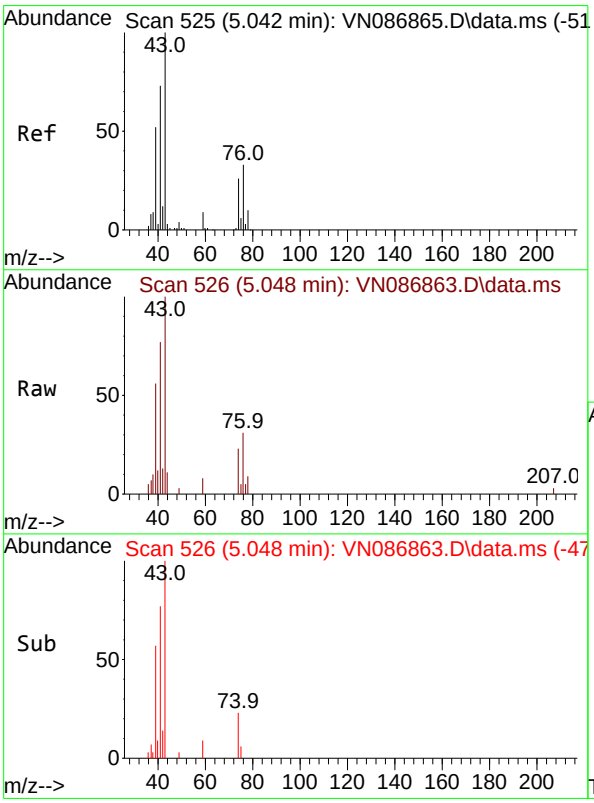
#17
Carbon Disulfide
Concen: 5.267 ug/l
RT: 4.736 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 37246

Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.3	10.9

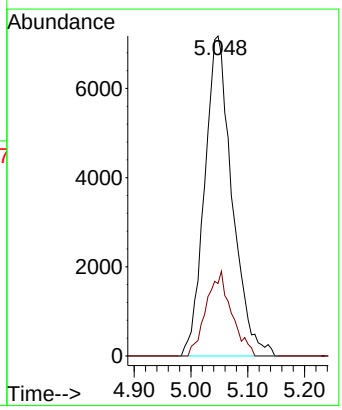


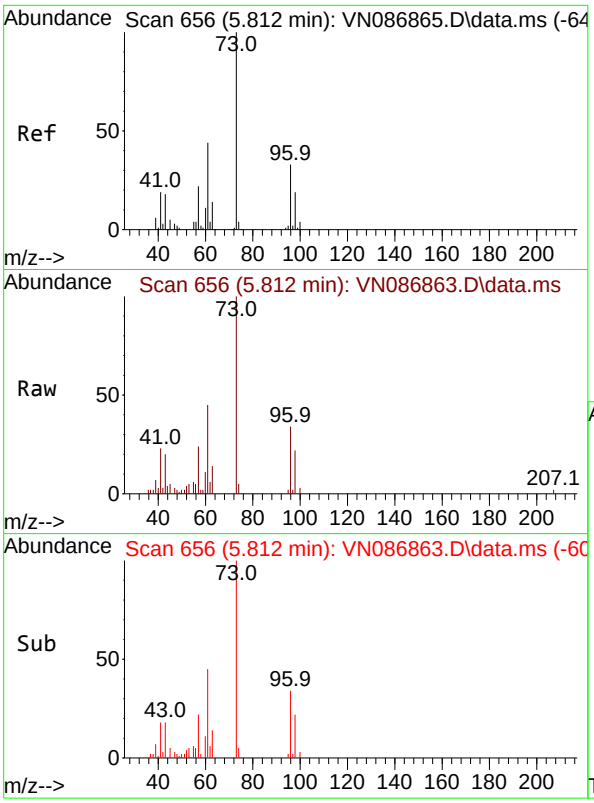


#18
Methyl Acetate
Concen: 5.070 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 43 Resp: 24096

Ion	Ratio	Lower	Upper
43	100		
74	24.4	20.7	31.1



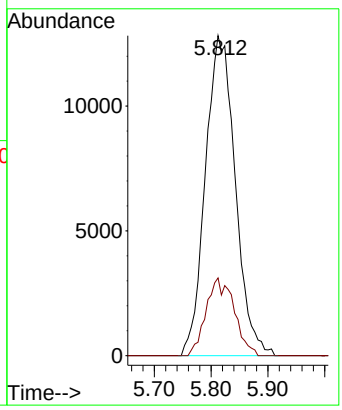


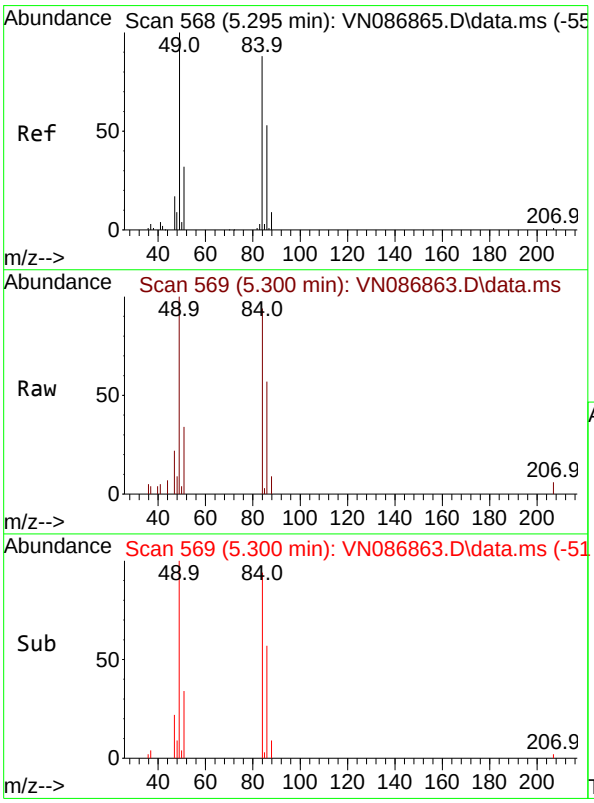
#19
Methyl tert-butyl Ether
Concen: 5.058 ug/l
RT: 5.812 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 46823

Ion	Ratio	Lower	Upper
73	100		
57	24.3	17.4	26.2

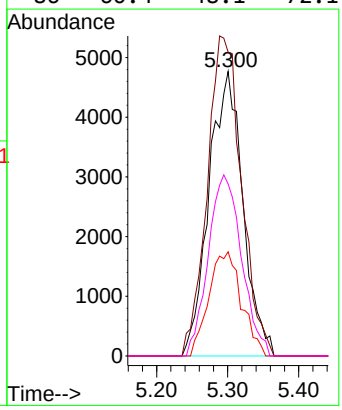


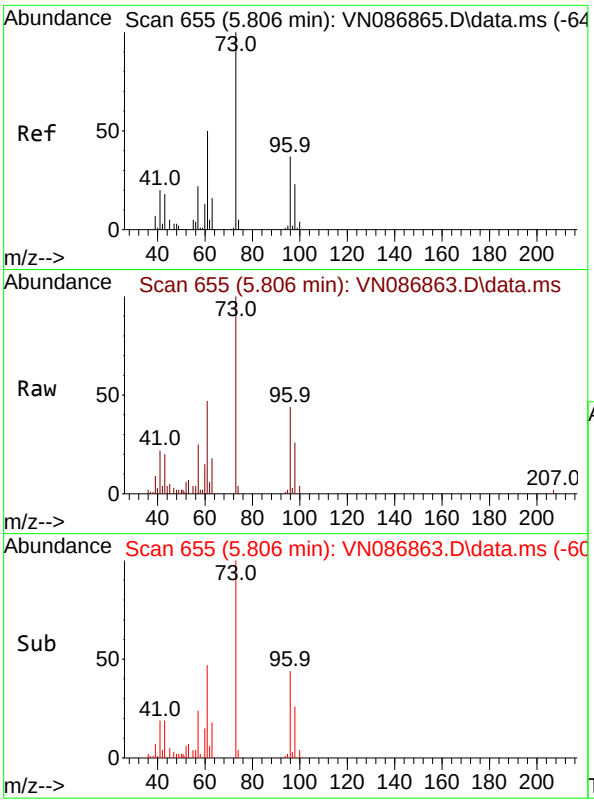


#20
Methylene Chloride
Concen: 5.178 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 84 Resp: 15809

Ion	Ratio	Lower	Upper
84	100		
49	106.8	90.5	135.7
51	36.6	28.5	42.7
86	60.4	48.1	72.1



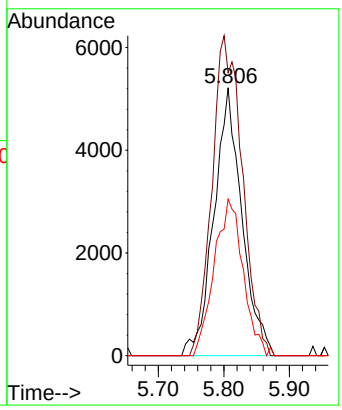


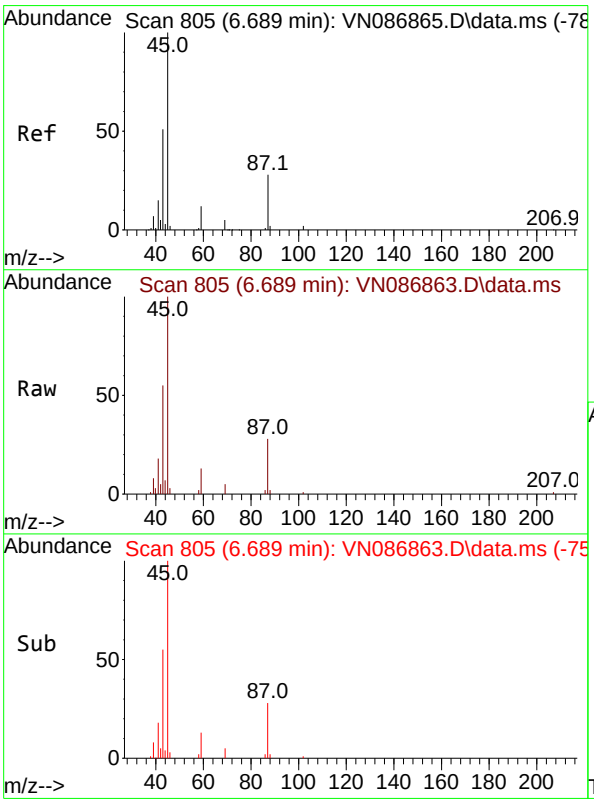
#21
trans-1,2-Dichloroethene
Concen: 5.442 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 15480

Ion	Ratio	Lower	Upper
96	100		
61	105.6	109.2	163.8#
98	58.4	49.8	74.8

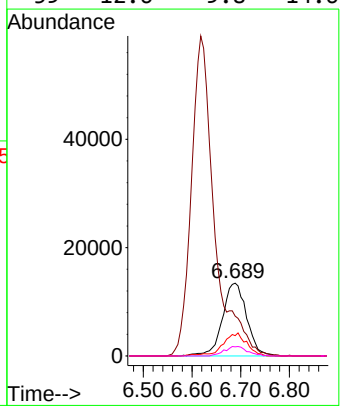


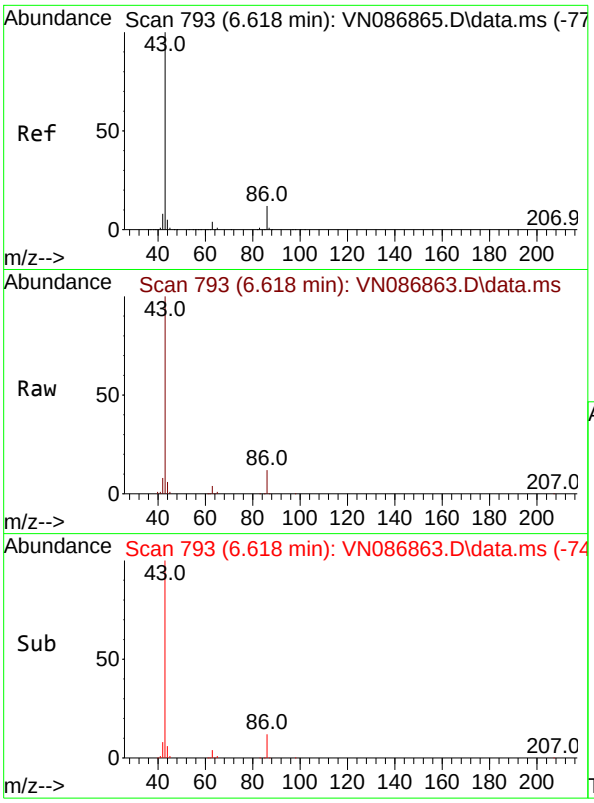


#22
Diisopropyl ether
Concen: 5.191 ug/l
RT: 6.689 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 45 Resp: 46396

Ion	Ratio	Lower	Upper
45	100		
43	53.2	41.9	62.9
87	27.9	22.4	33.6
59	12.6	9.8	14.6



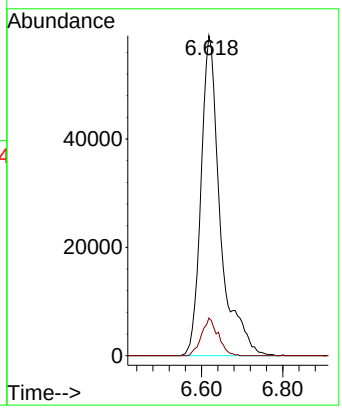


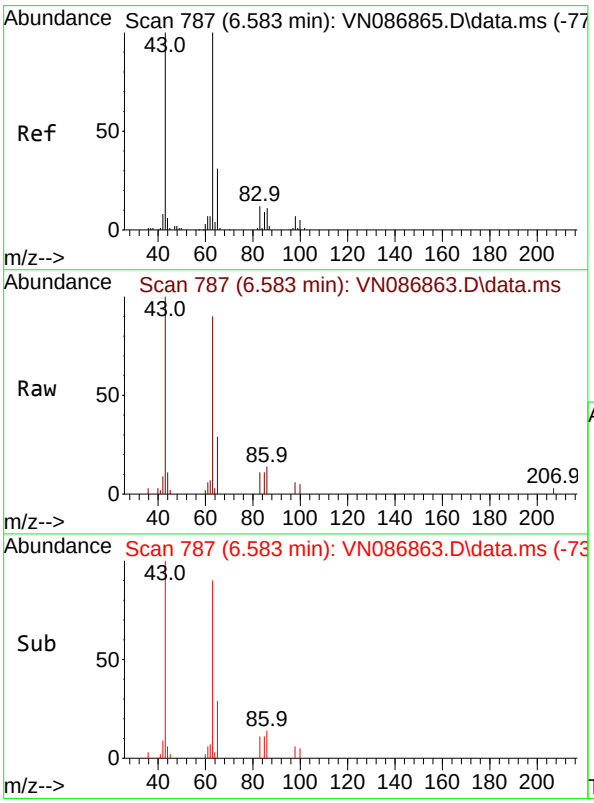
#23
Vinyl Acetate
Concen: 25.735 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 194334

Ion	Ratio	Lower	Upper
43	100		
86	11.8	9.5	14.3

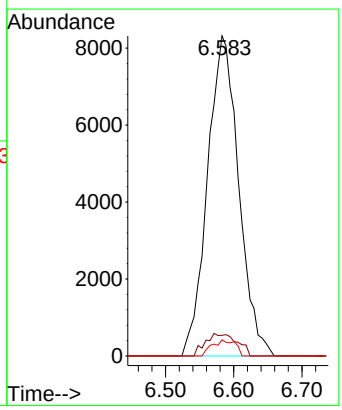


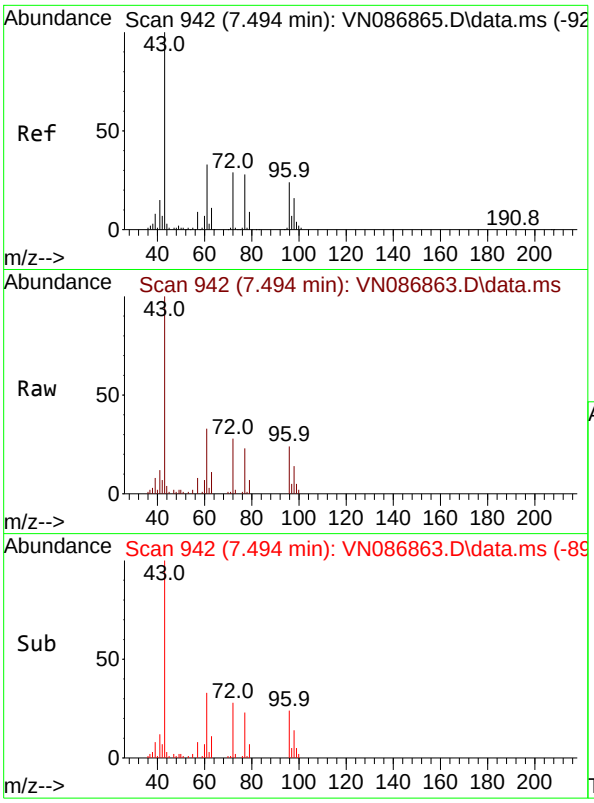


#24
1,1-Dichloroethane
Concen: 5.147 ug/l
RT: 6.583 min Scan# 787
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 63 Resp: 26473

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.6	10.8
100	5.1	2.6	7.8



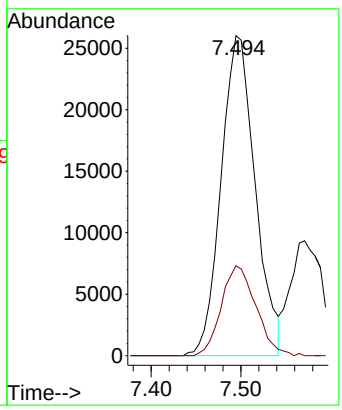


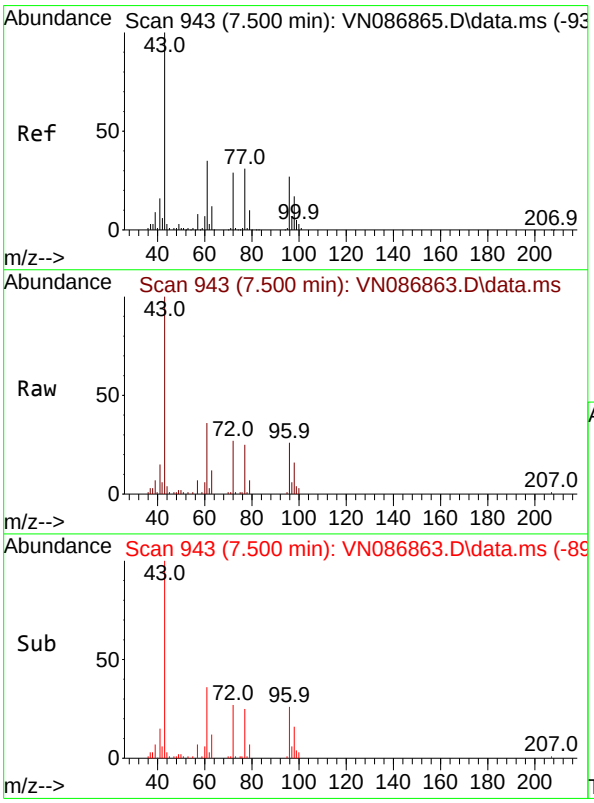
#25
2-Butanone
Concen: 25.888 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 68629

Ion	Ratio	Lower	Upper
43	100		
72	28.1	23.0	34.6

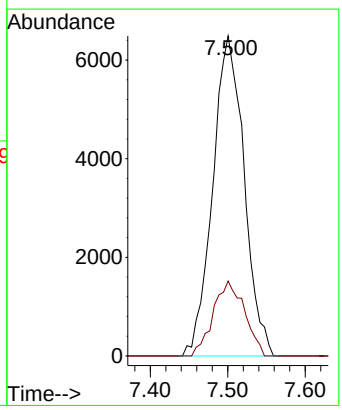


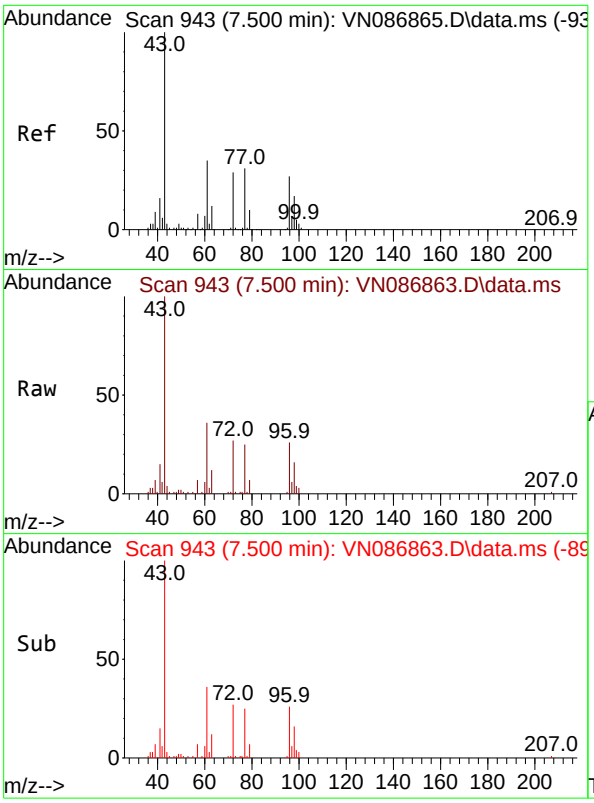


#26
2,2-Dichloropropane
Concen: 4.571 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 77 Resp: 18288

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.6	34.7



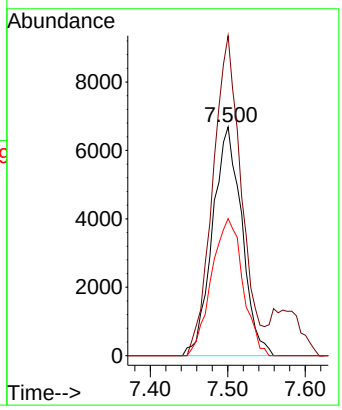


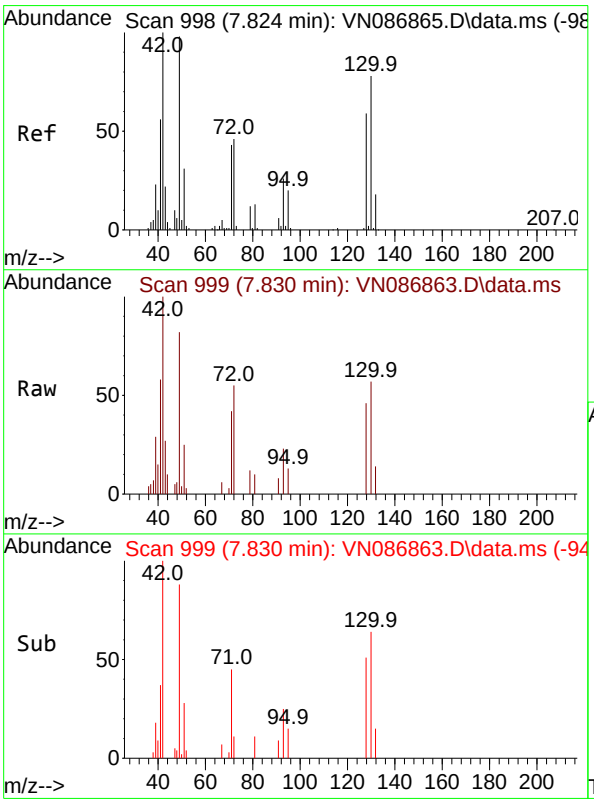
#27
cis-1,2-Dichloroethene
Concen: 5.172 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 17594

Ion	Ratio	Lower	Upper
96	100		
61	136.0	0.0	278.0
98	64.0	0.0	128.2

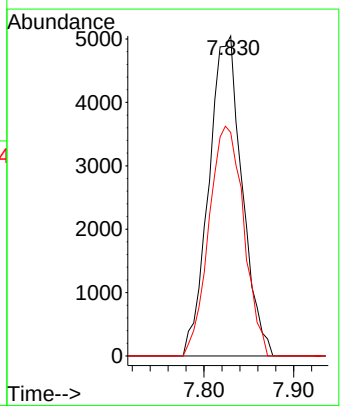


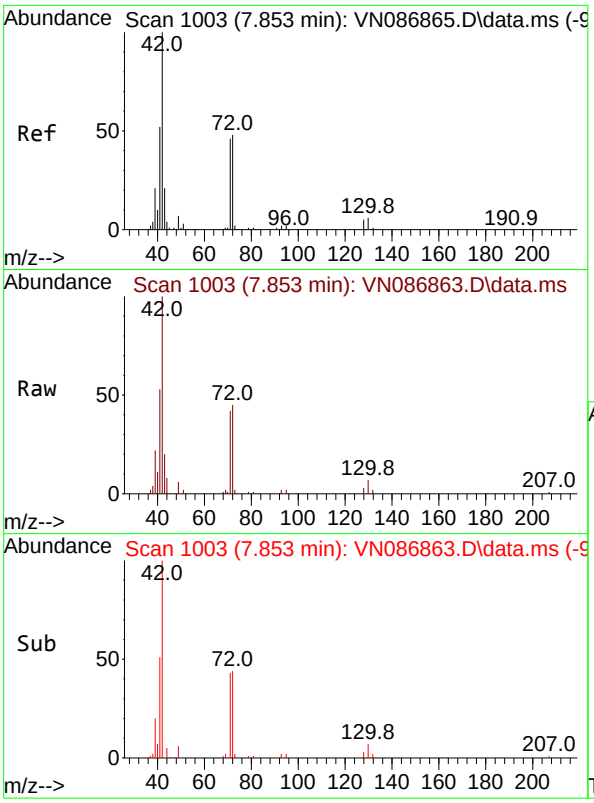


#28
Bromochloromethane
Concen: 5.124 ug/l
RT: 7.830 min Scan# 999
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 49 Resp: 12958

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	75.2	62.2	93.2



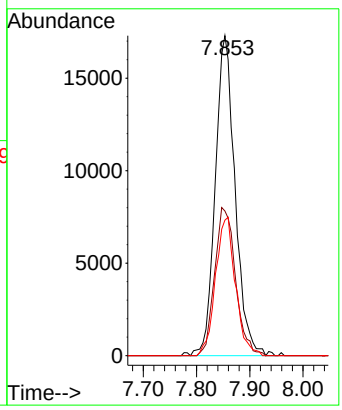


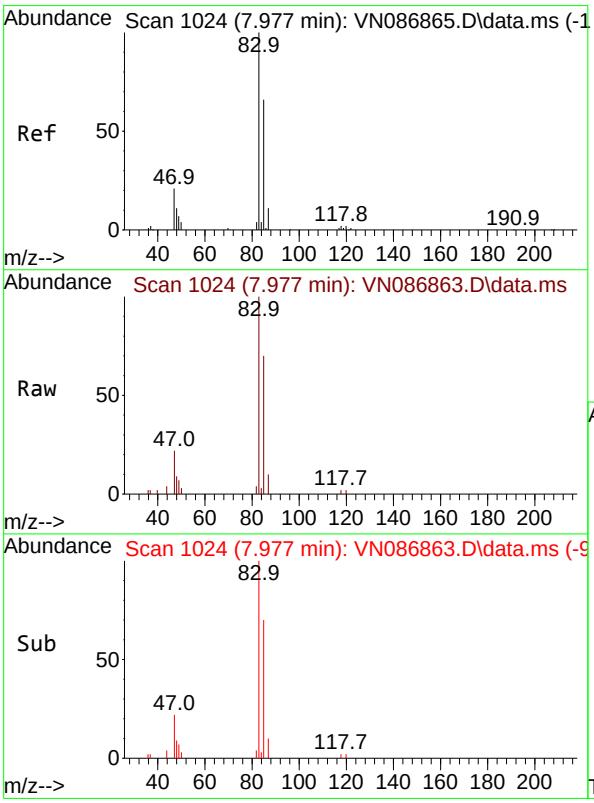
#29
Tetrahydrofuran
Concen: 25.912 ug/l
RT: 7.853 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 44749

Ion	Ratio	Lower	Upper
42	100		
72	48.6	37.8	56.6
71	43.5	35.6	53.4

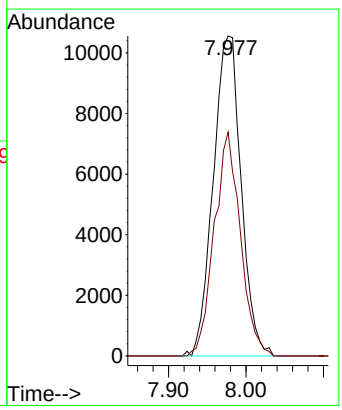


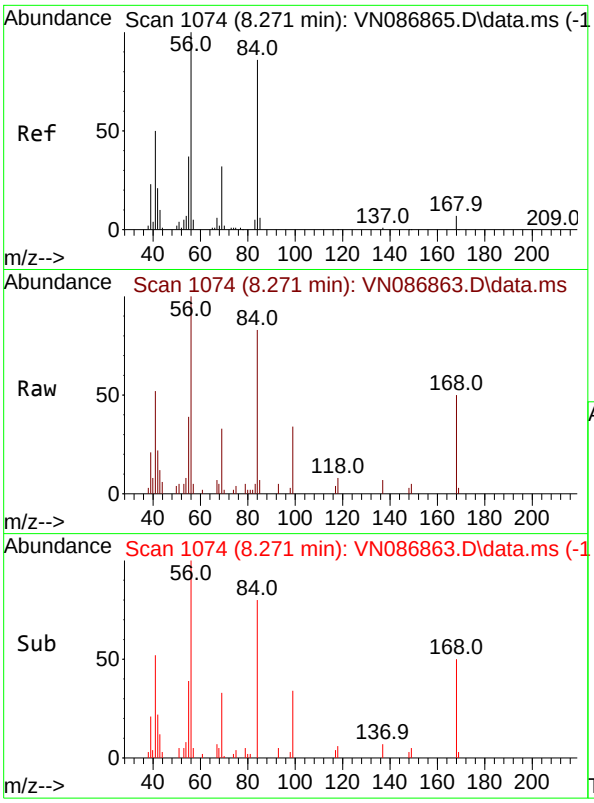


#30
Chloroform
Concen: 5.149 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 83 Resp: 26450

Ion	Ratio	Lower	Upper
83	100		
85	69.9	52.9	79.3



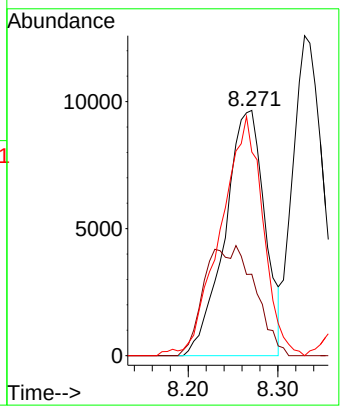


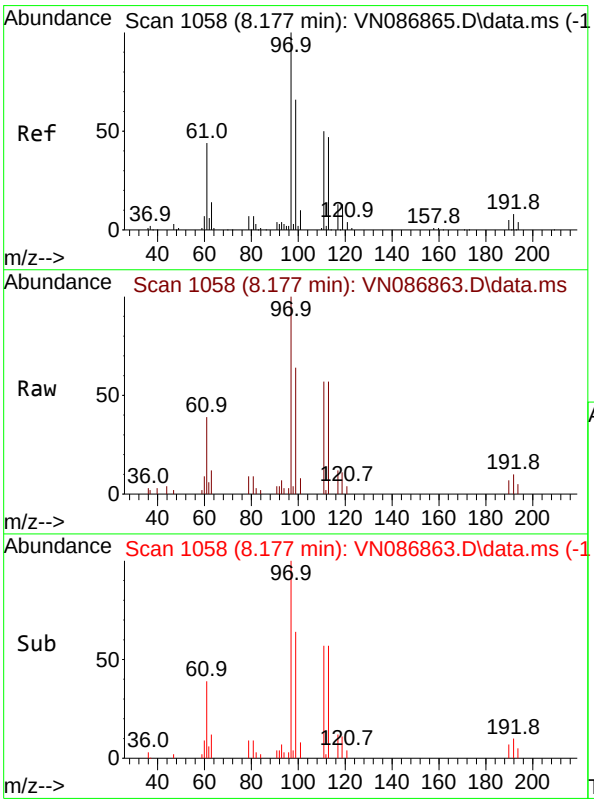
#31
Cyclohexane
Concen: 6.002 ug/l
RT: 8.271 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 29938

Ion	Ratio	Lower	Upper
56	100		
69	33.2	25.4	38.0
84	81.1	68.8	103.2

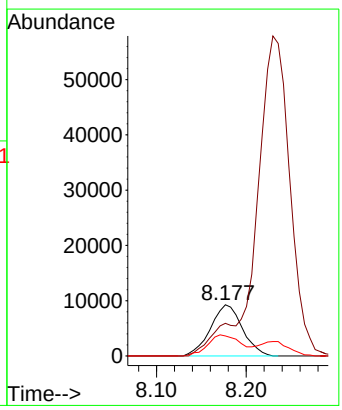


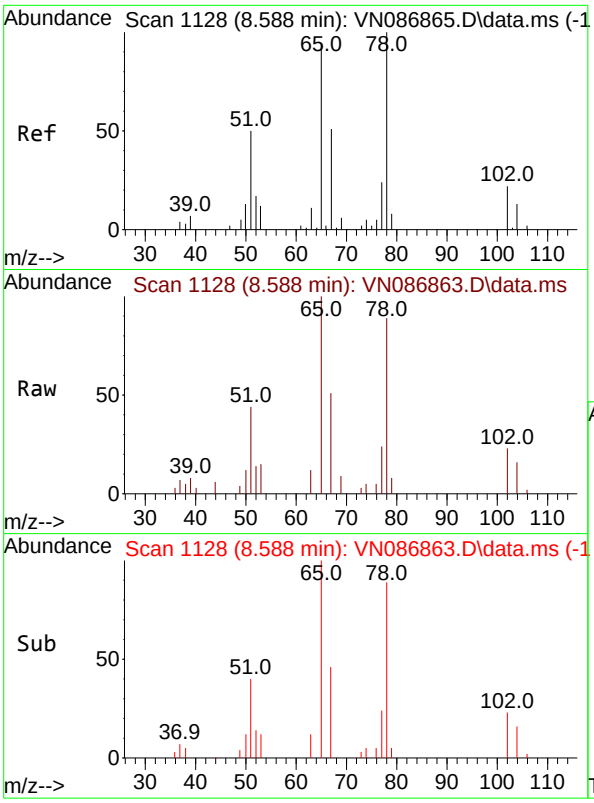


#32
1,1,1-Trichloroethane
Concen: 5.232 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 97 Resp: 22857

Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.0	78.0#
61	42.9	35.9	53.9



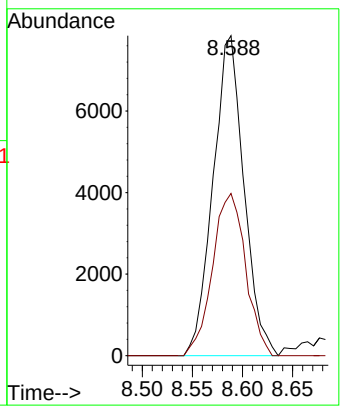


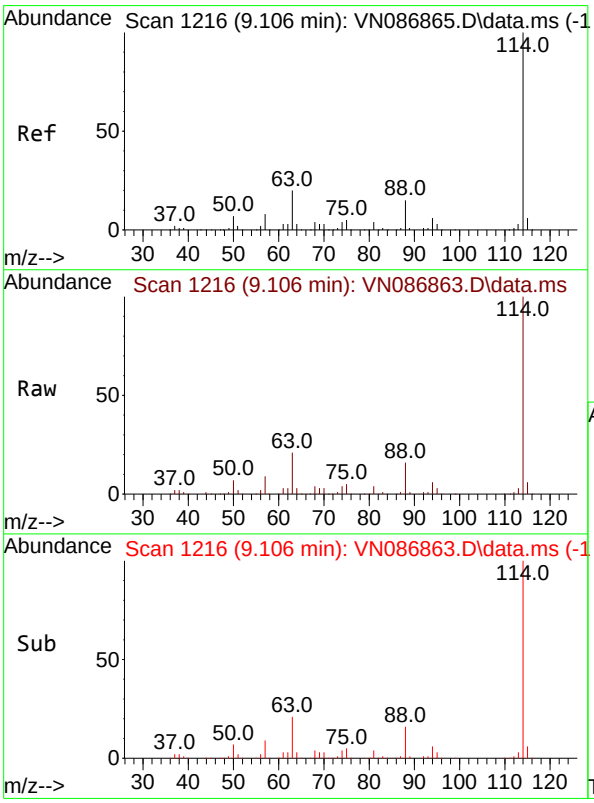
#33
1,2-Dichloroethane-d4
Concen: 5.468 ug/l
RT: 8.588 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 16818

Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	105.6

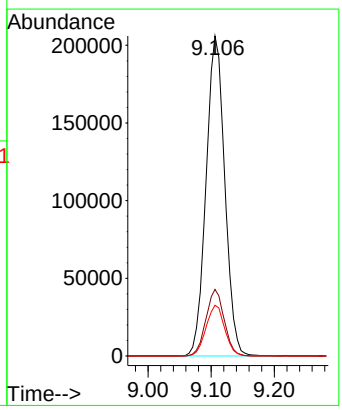


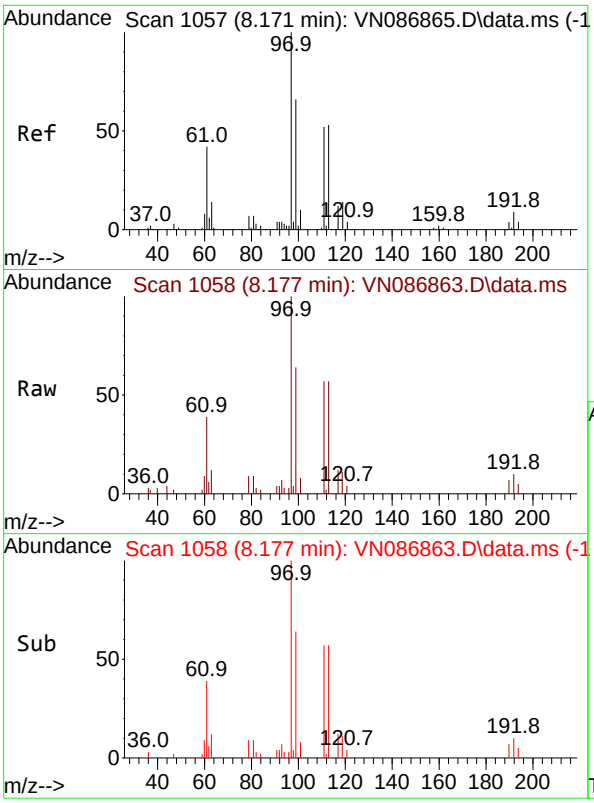


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:114 Resp: 423980

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	39.6
88	15.9	0.0	30.2



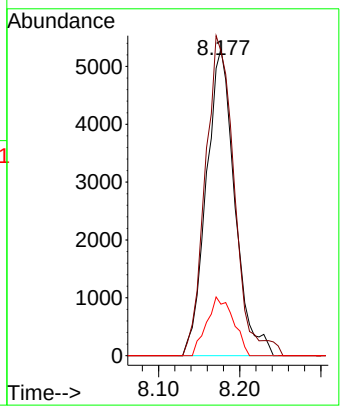


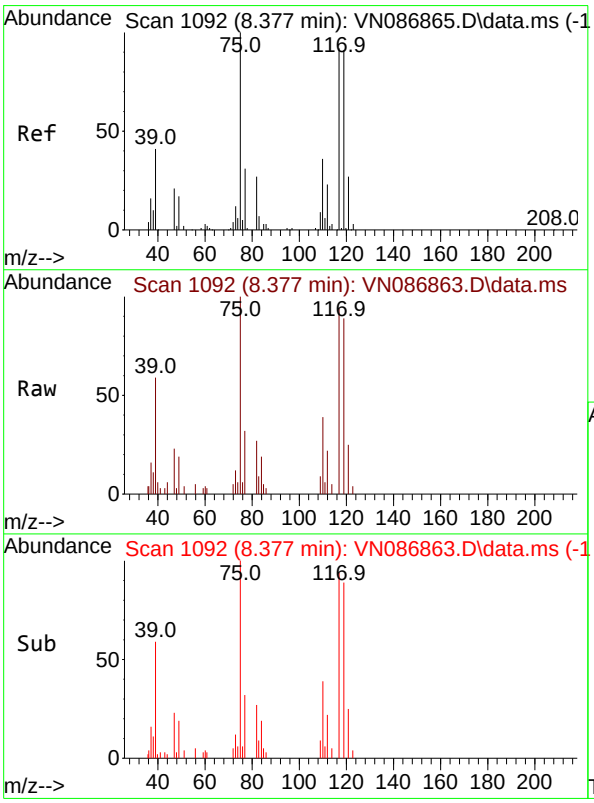
#35
Dibromofluoromethane
Concen: 5.121 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 12867

Ion	Ratio	Lower	Upper
113	100		
111	106.5	84.2	126.2
192	18.0	14.2	21.4

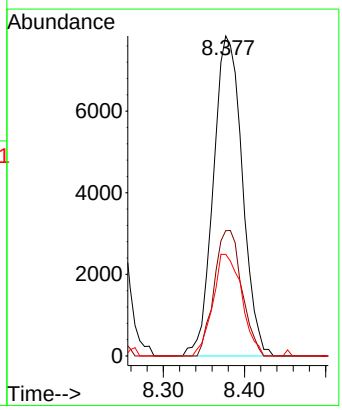


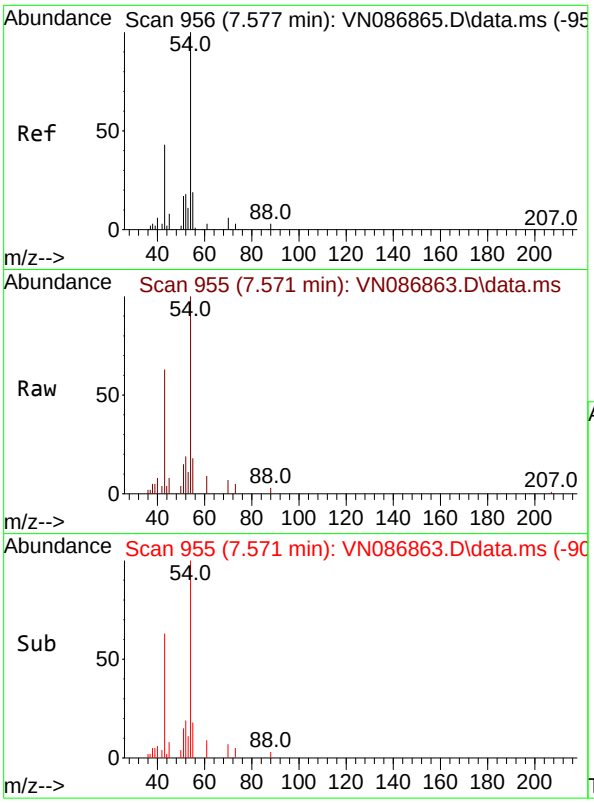


#36
1,1-Dichloropropene
Concen: 5.184 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 75 Resp: 19410

Ion	Ratio	Lower	Upper
75	100		
110	37.4	17.6	52.9
77	31.7	25.3	37.9



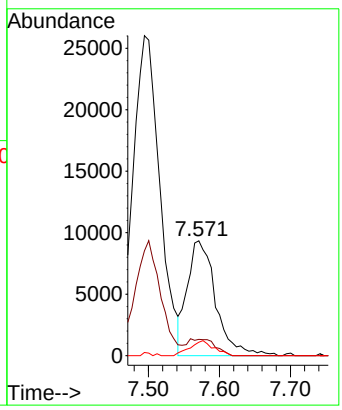


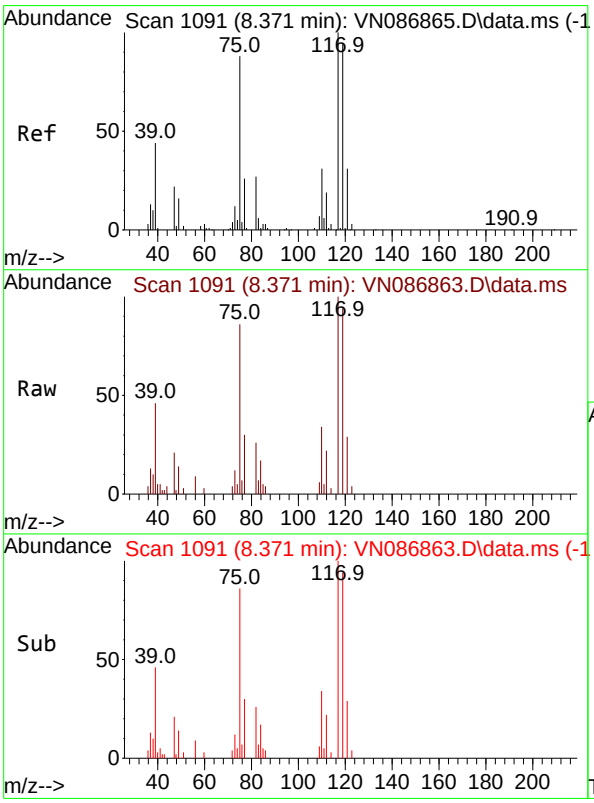
#37
Ethyl Acetate
Concen: 5.470 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 26073

Ion	Ratio	Lower	Upper
43	100		
61	14.1	12.1	18.1
70	10.9	9.8	14.6

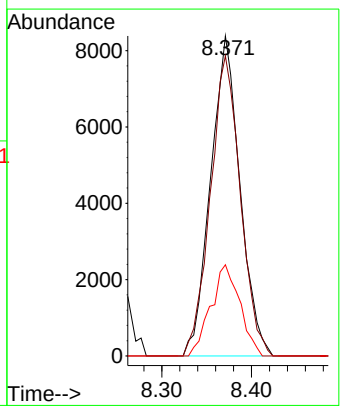


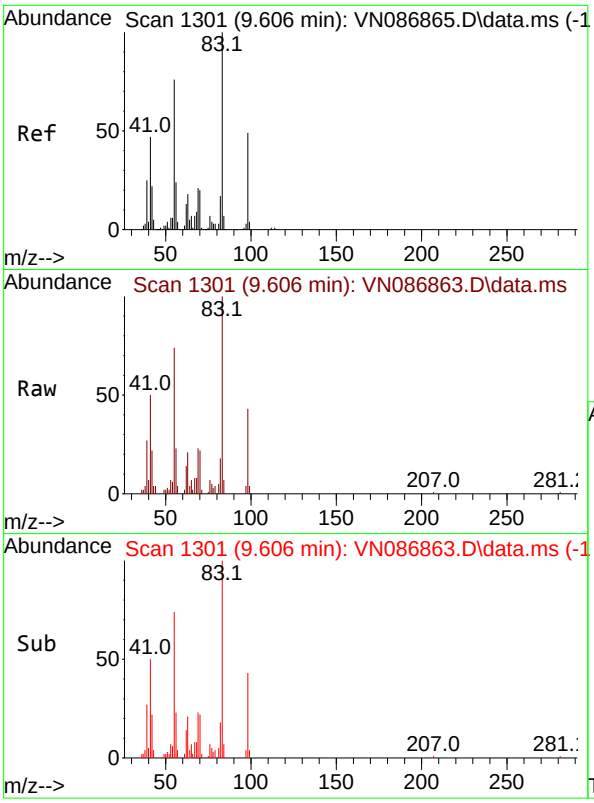


#38
Carbon Tetrachloride
Concen: 5.184 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:117 Resp: 19056

Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.0	112.6
121	28.5	24.9	37.3



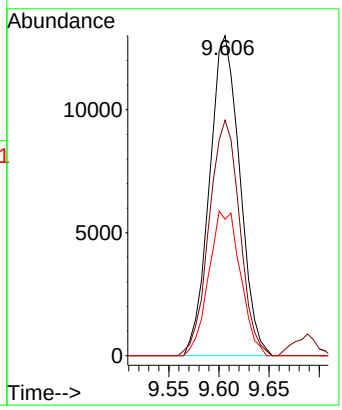


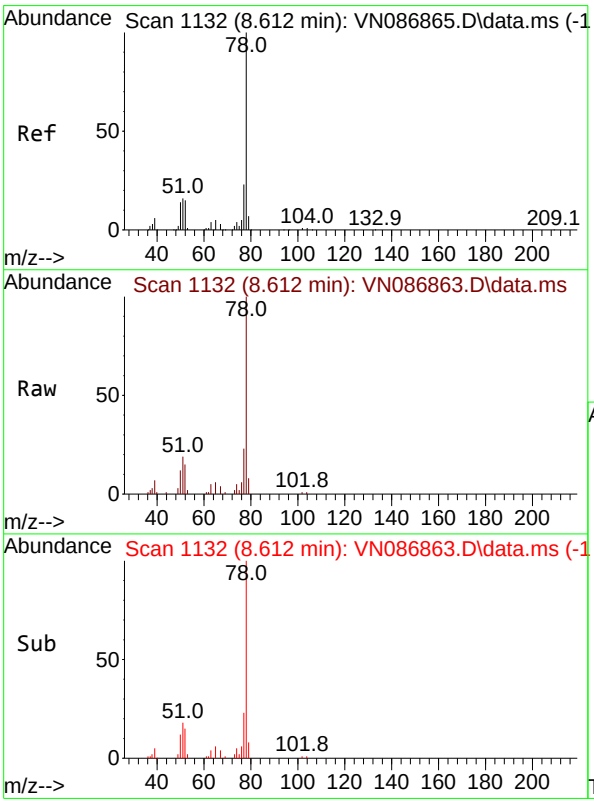
#39
Methylcyclohexane
Concen: 5.333 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 27353

Ion	Ratio	Lower	Upper
83	100		
55	73.6	61.0	91.6
98	42.6	38.9	58.3

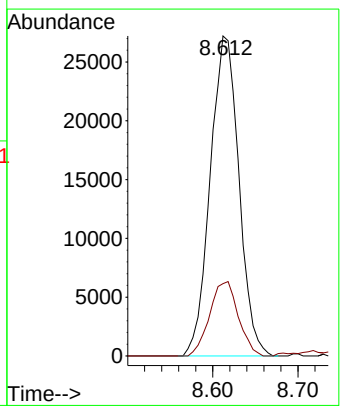


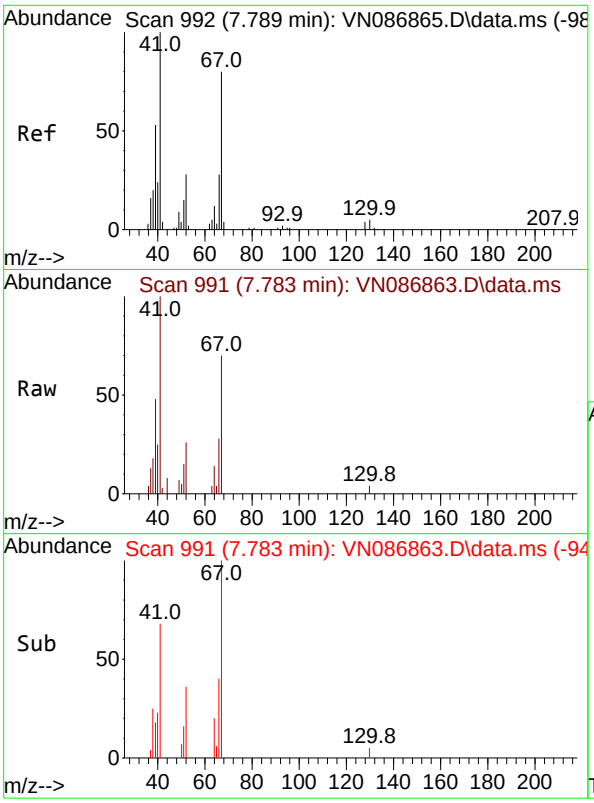


#40
Benzene
Concen: 5.199 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 78 Resp: 63646

Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.7	28.1



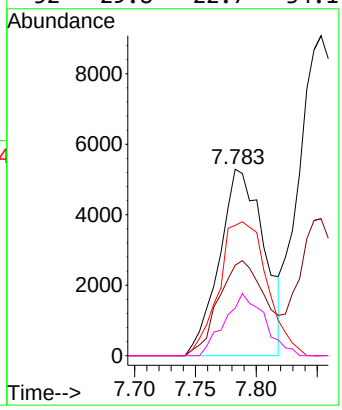


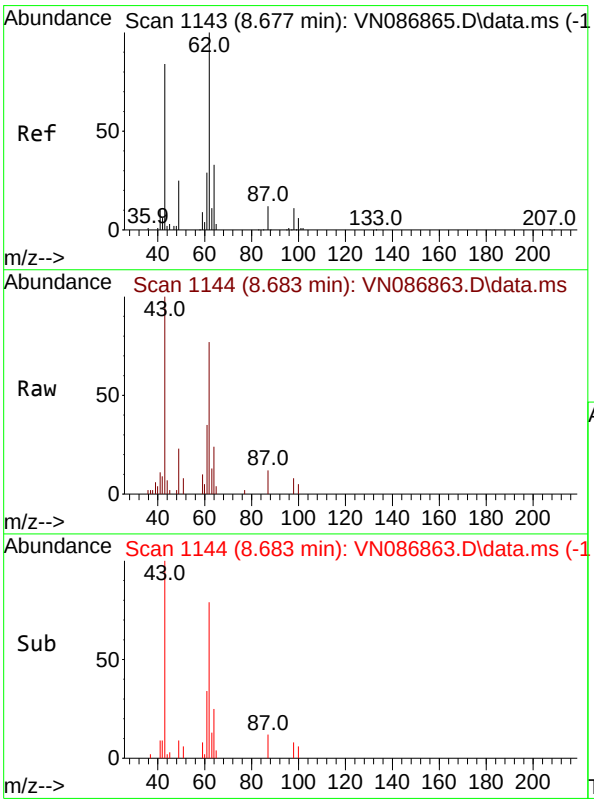
#41
Methacrylonitrile
Concen: 5.050 ug/l
RT: 7.783 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 13518

Ion	Ratio	Lower	Upper
41	100		
39	53.1	41.2	61.8
67	77.0	61.4	92.2
52	29.8	22.7	34.1

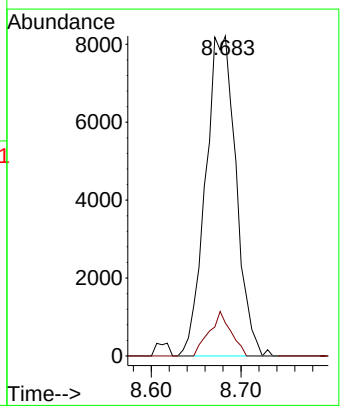


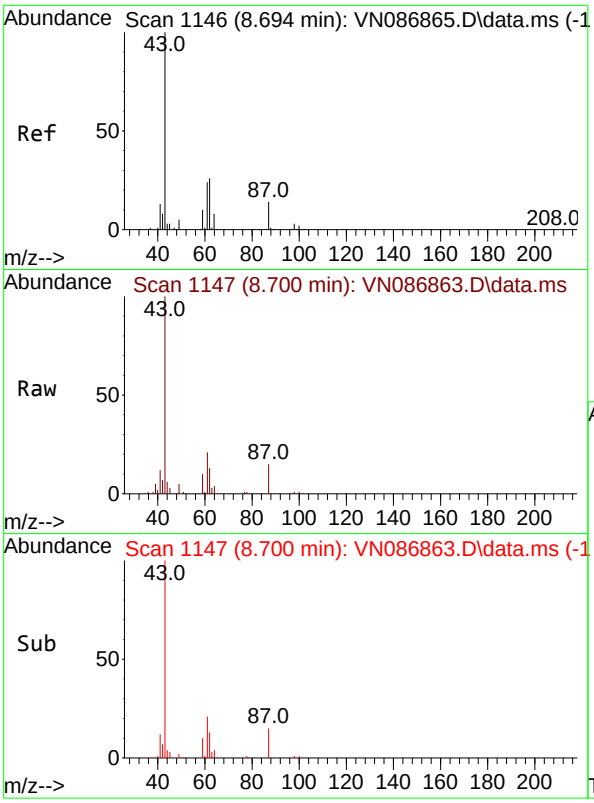


#42
1,2-Dichloroethane
Concen: 5.205 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 62 Resp: 19329

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	21.2



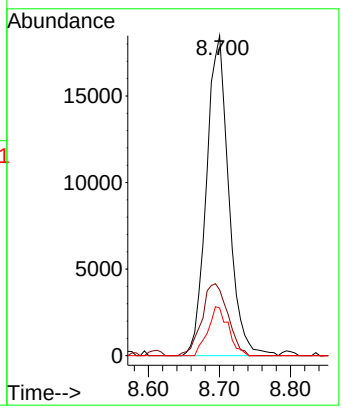


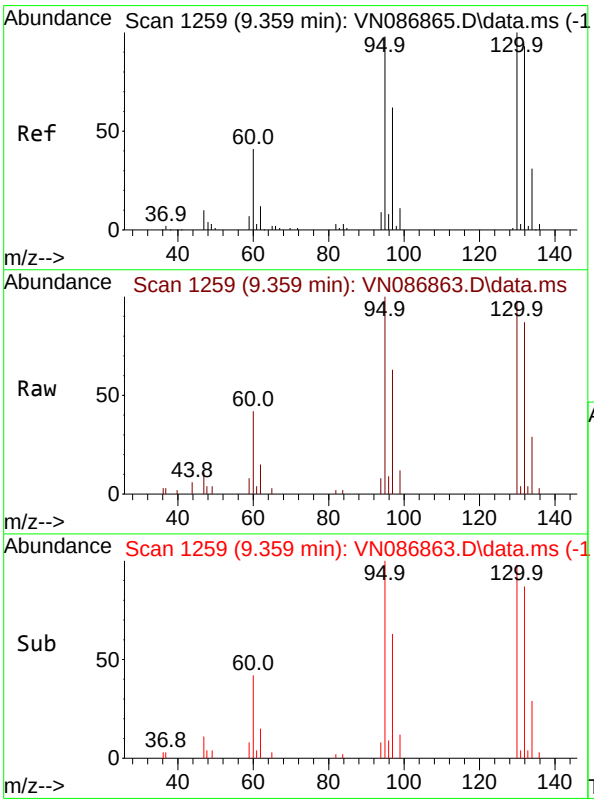
#43
Isopropyl Acetate
Concen: 5.264 ug/l
RT: 8.700 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 40268

Ion	Ratio	Lower	Upper
43	100		
61	26.2	22.1	33.1
87	14.1	11.8	17.6

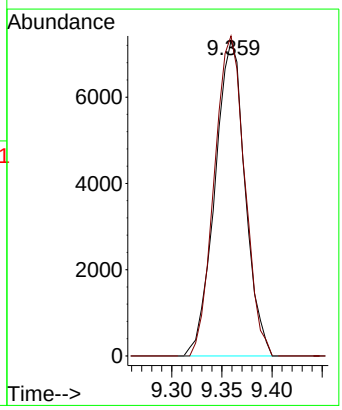


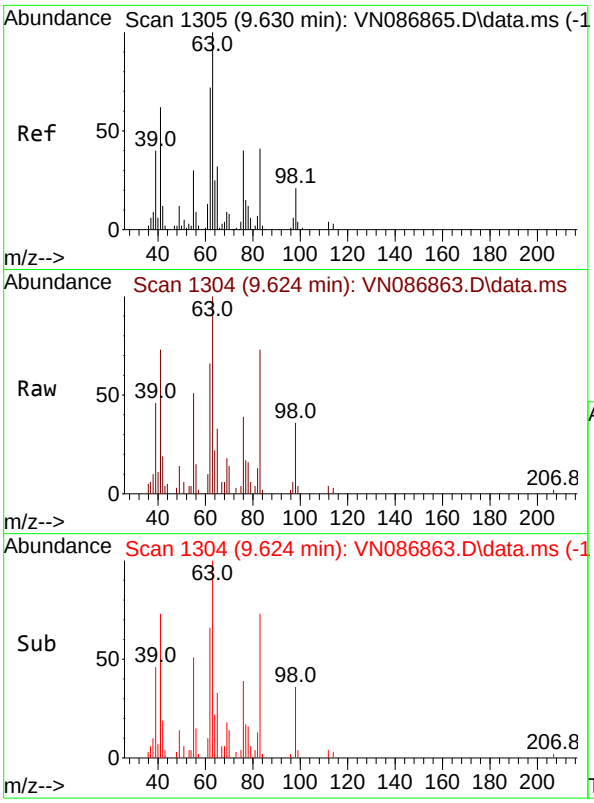


#44
Trichloroethene
Concen: 5.251 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:130 Resp: 15245

Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	196.2



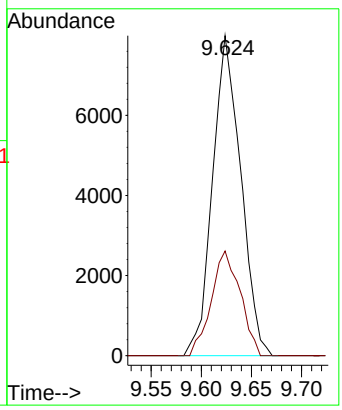


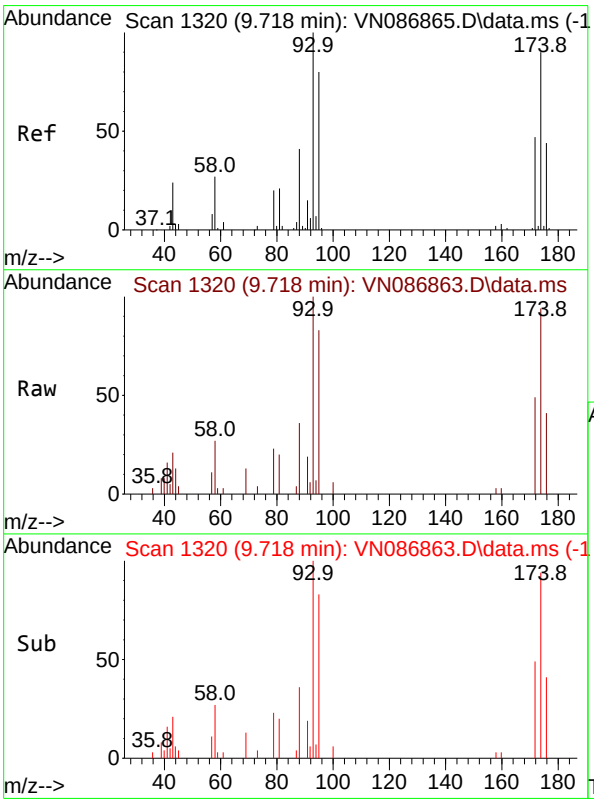
#45
1,2-Dichloropropane
Concen: 5.248 ug/l
RT: 9.624 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 15632

Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.5	38.3

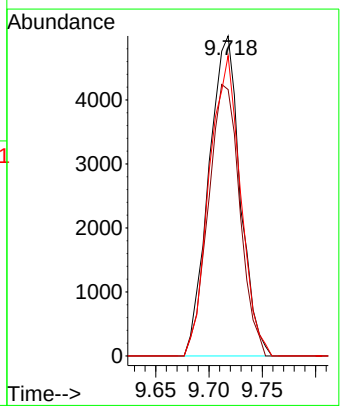


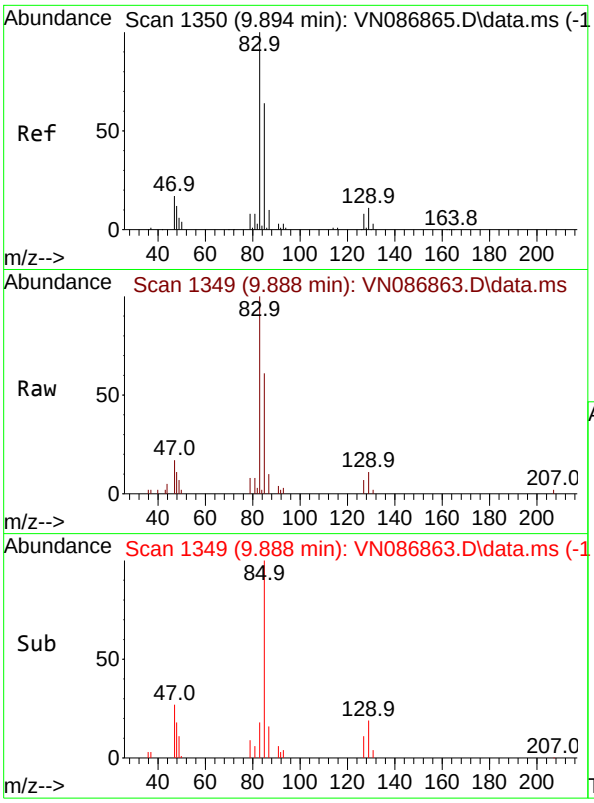


#46
Dibromomethane
Concen: 5.176 ug/l
RT: 9.718 min Scan# 1320
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 93 Resp: 10241

Ion	Ratio	Lower	Upper
93	100		
95	84.9	67.1	100.7
174	93.4	74.2	111.4



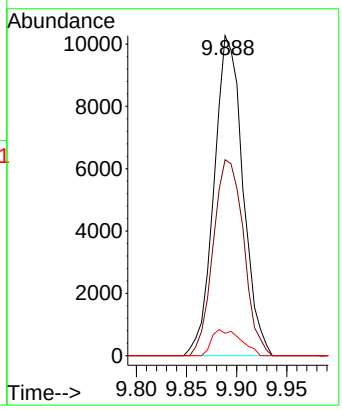


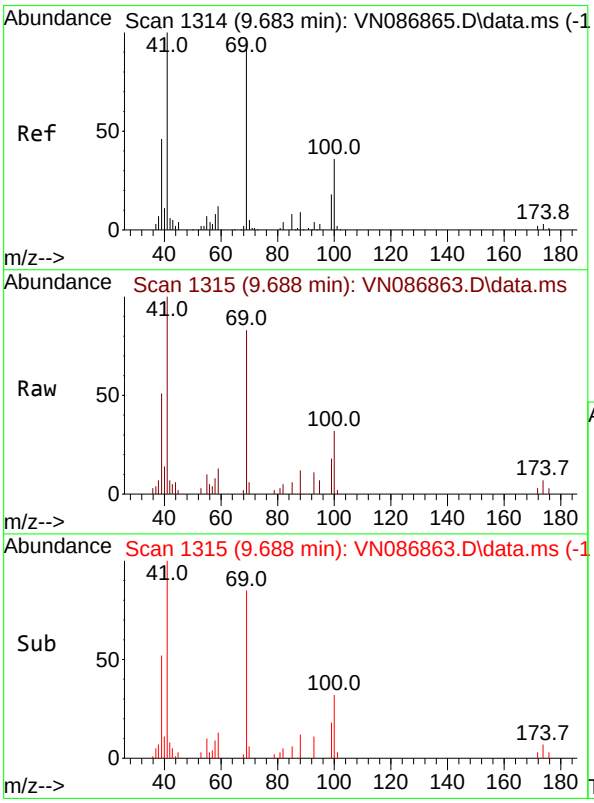
#47
Bromodichloromethane
Concen: 5.039 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 20512

Ion	Ratio	Lower	Upper
83	100		
85	61.3	50.9	76.3
127	7.0	6.6	10.0

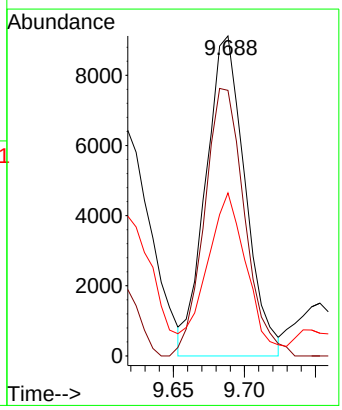


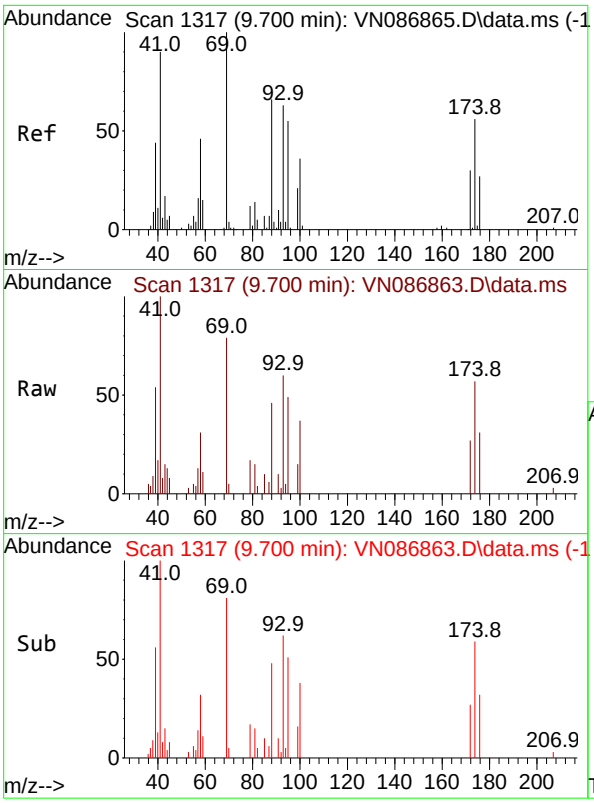


#48
Methyl methacrylate
Concen: 4.996 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 41 Resp: 17591

Ion	Ratio	Lower	Upper
41	100		
69	85.2	74.6	112.0
39	52.3	40.2	60.4



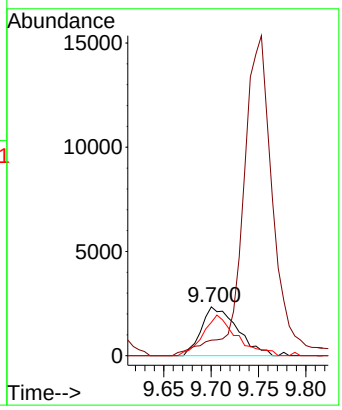


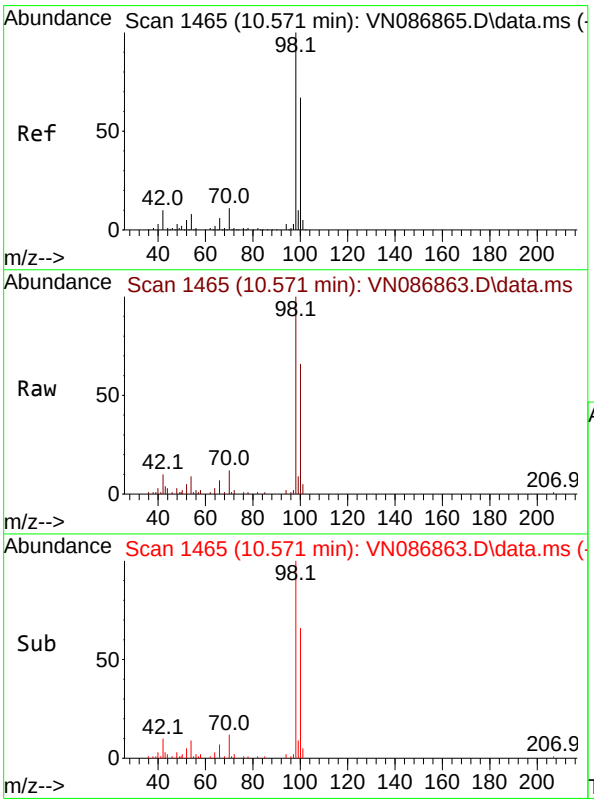
#49
1,4-Dioxane
Concen: 95.874 ug/l
RT: 9.700 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 6141

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	77.9	57.7	86.5

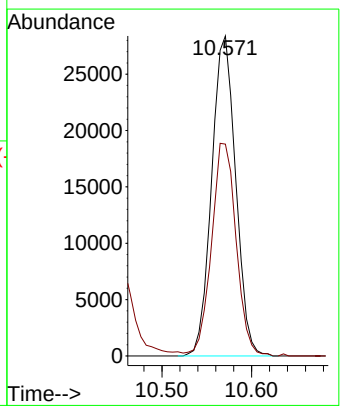


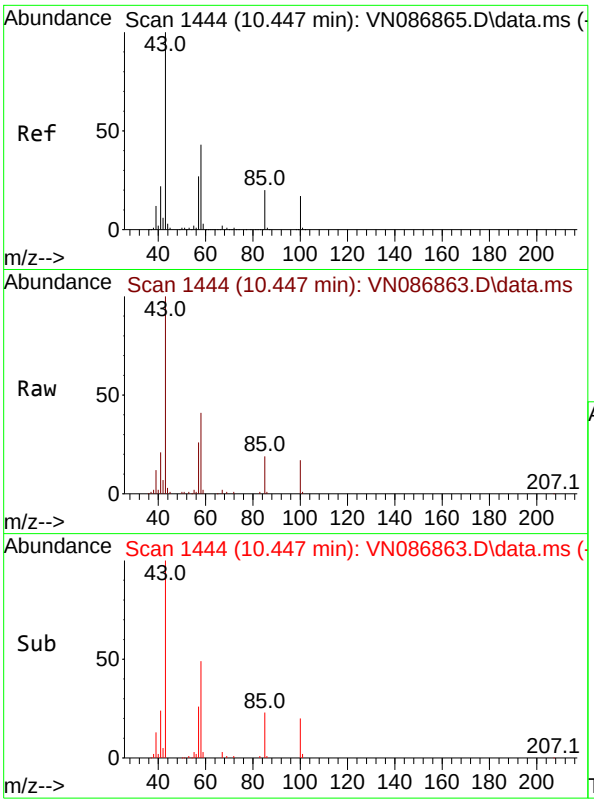


#50
Toluene-d8
Concen: 5.308 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 98 Resp: 52794

Ion	Ratio	Lower	Upper
98	100		
100	68.1	53.4	80.0



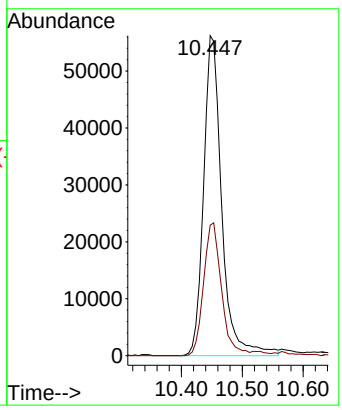


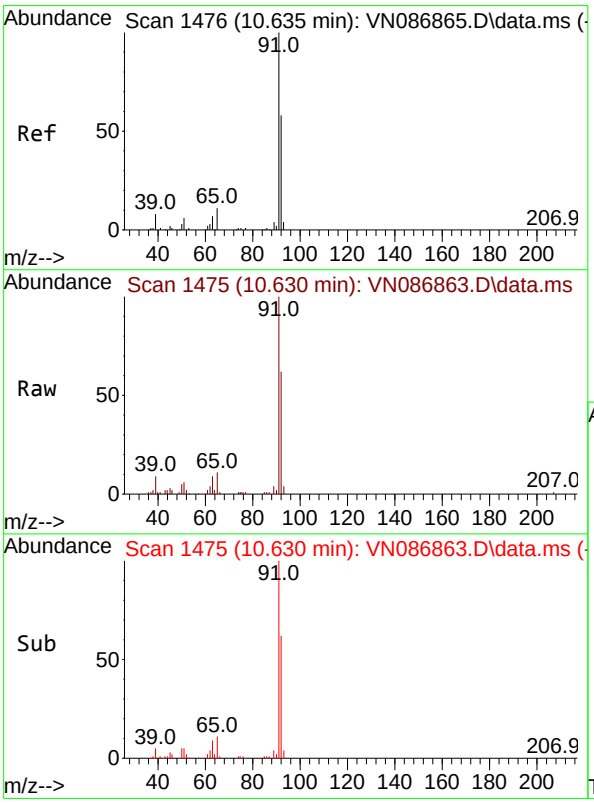
#51
4-Methyl-2-Pentanone
Concen: 25.283 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 116434

Ion	Ratio	Lower	Upper
43	100		
58	40.9	34.2	51.4

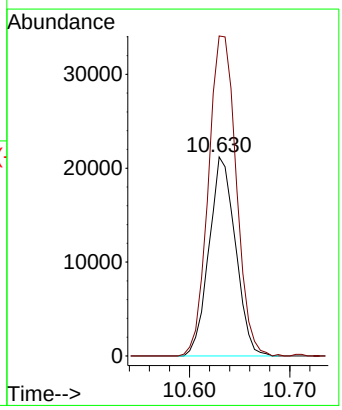


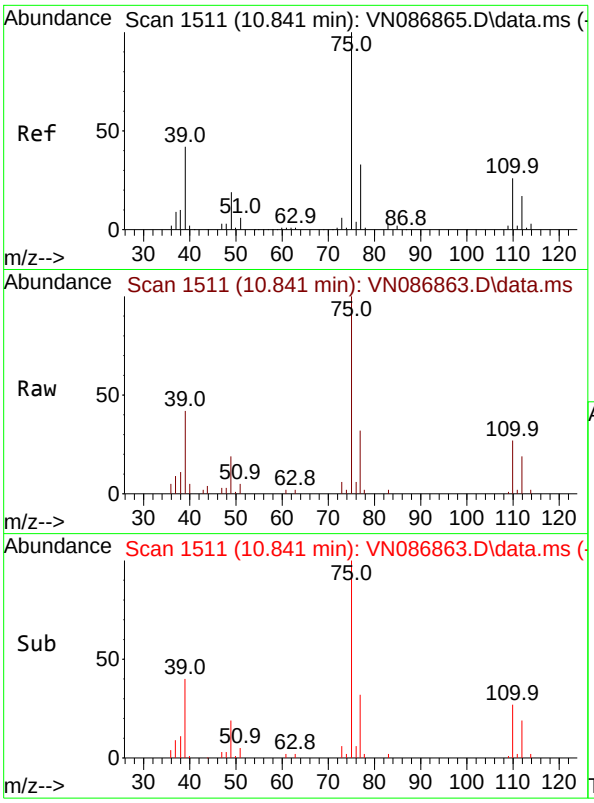


#52
Toluene
Concen: 5.178 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 92 Resp: 38744

Ion	Ratio	Lower	Upper
92	100		
91	169.5	136.5	204.7



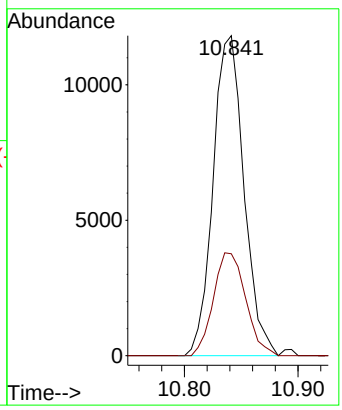


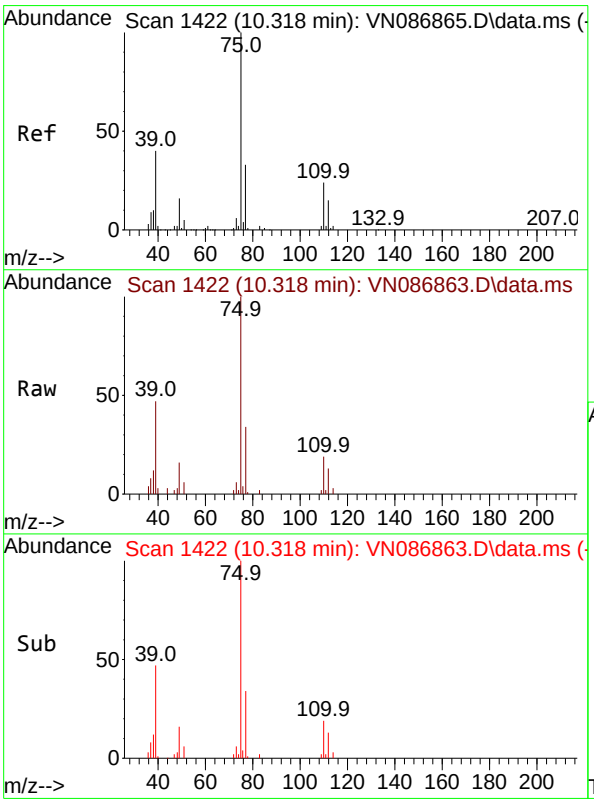
#53
t-1,3-Dichloropropene
Concen: 4.896 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 22285

Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.4	39.6

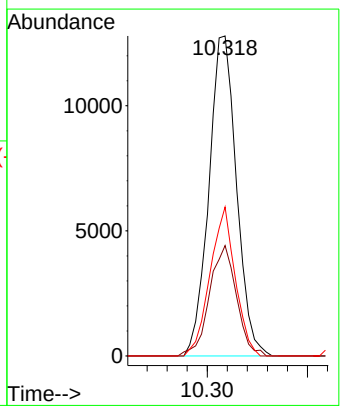


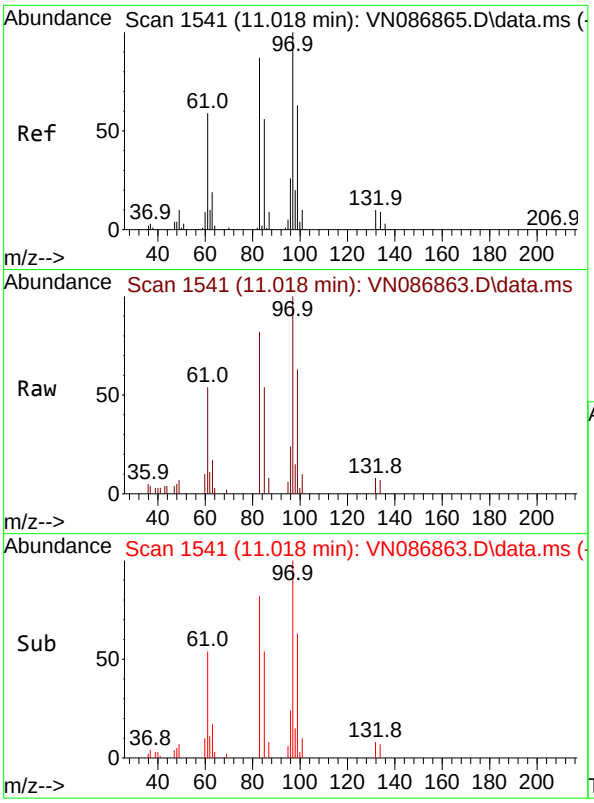


#54
cis-1,3-Dichloropropene
Concen: 5.026 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 75 Resp: 24477

Ion	Ratio	Lower	Upper
75	100		
77	34.5	26.2	39.4
39	46.5	32.3	48.5



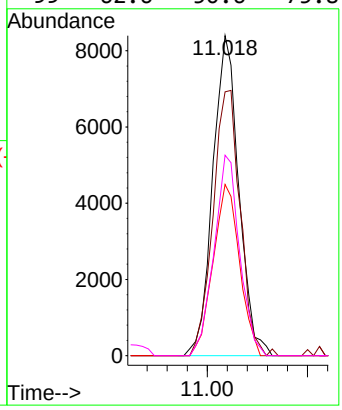


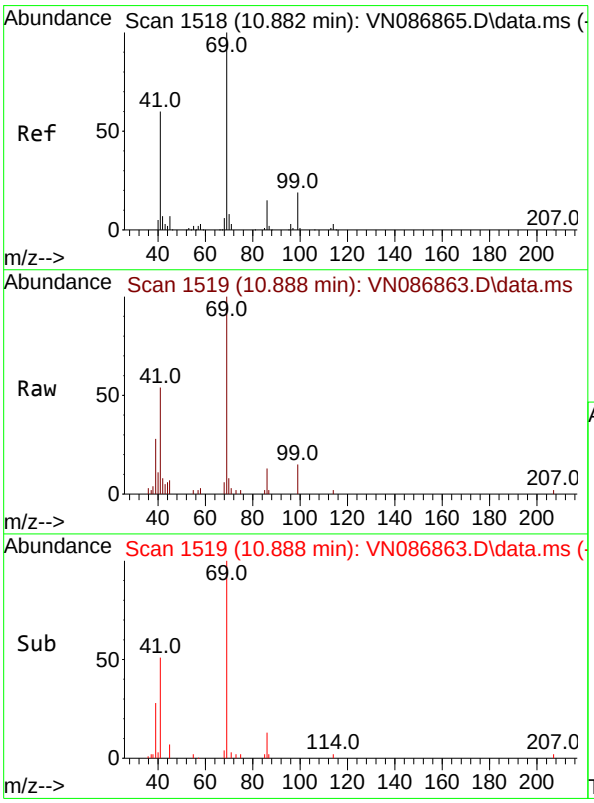
#55
1,1,2-Trichloroethane
Concen: 5.234 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 15068

Ion	Ratio	Lower	Upper
97	100		
83	82.5	69.7	104.5
85	53.5	45.1	67.7
99	62.6	50.6	75.8

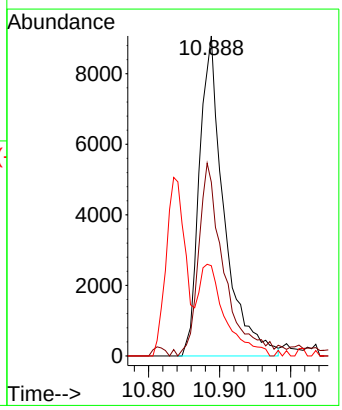


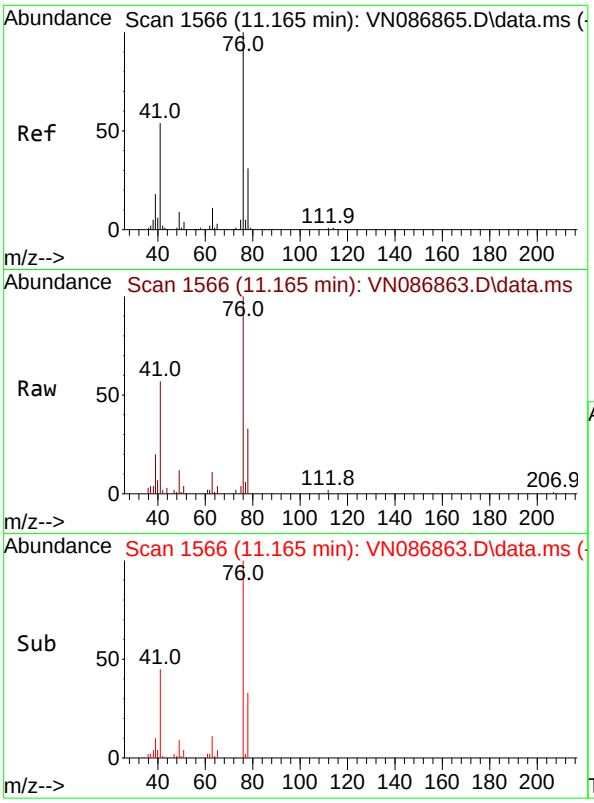


#56
Ethyl methacrylate
Concen: 4.774 ug/l
RT: 10.888 min Scan# 1519
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 69 Resp: 21893

Ion	Ratio	Lower	Upper
69	100		
41	63.5	47.2	70.8
39	29.9	23.0	34.6



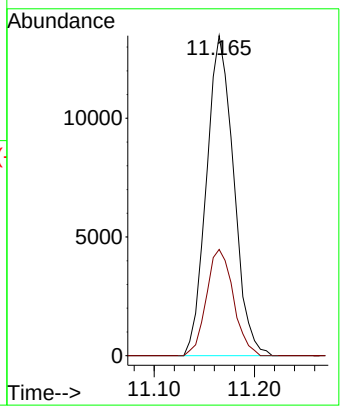


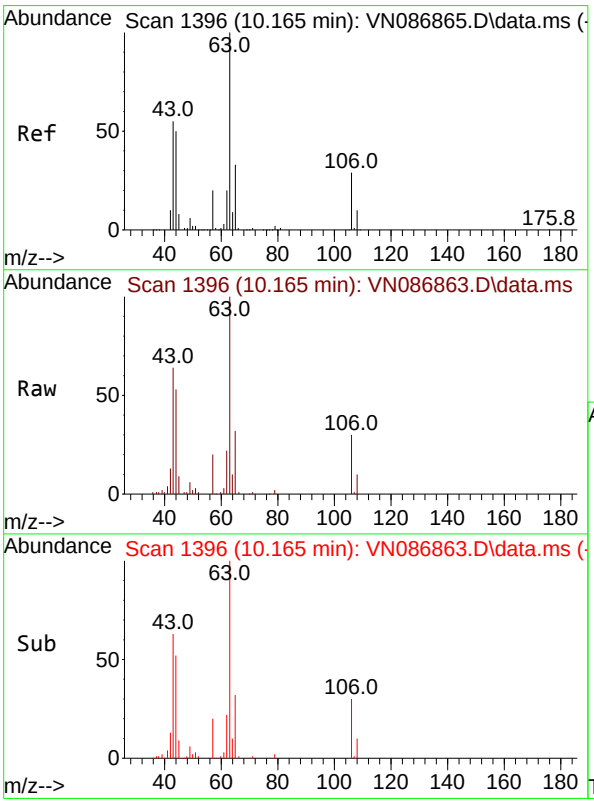
#57
1,3-Dichloropropane
Concen: 5.096 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 25452

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.3	37.9

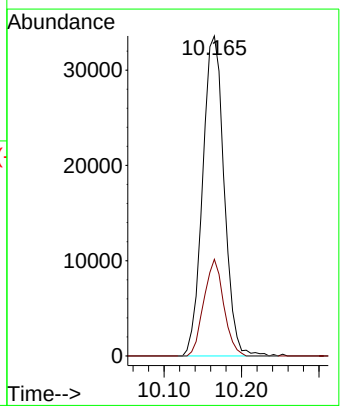


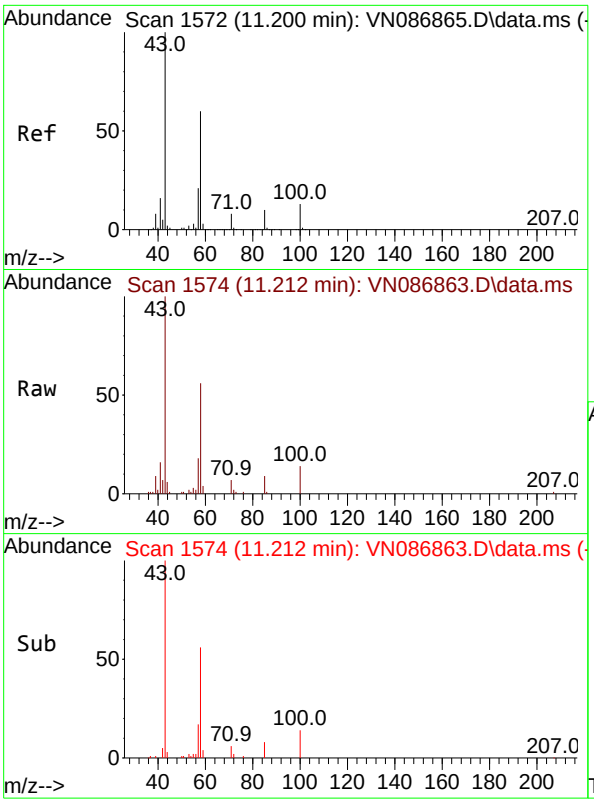


#58
2-Chloroethyl Vinyl ether
Concen: 23.664 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 63 Resp: 64722

Ion	Ratio	Lower	Upper
63	100		
106	27.9	23.0	34.6



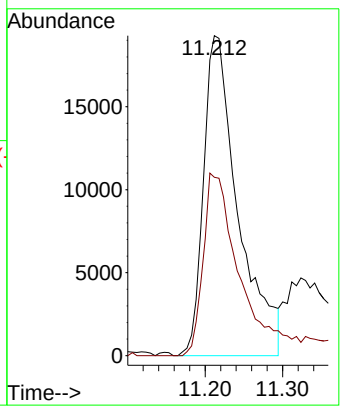


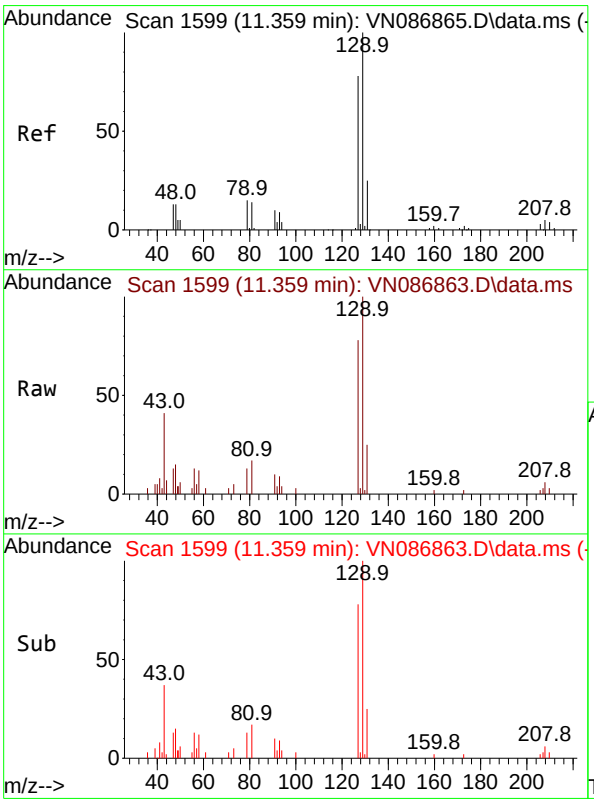
#59
2-Hexanone
Concen: 20.188 ug/l
RT: 11.212 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 59884

Ion	Ratio	Lower	Upper
43	100		
58	60.5	30.4	91.3

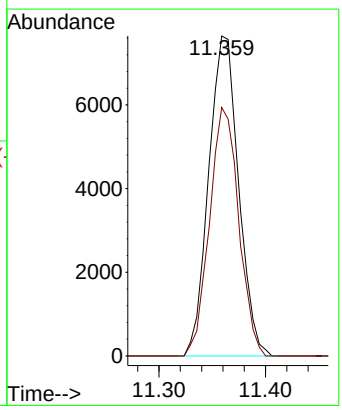


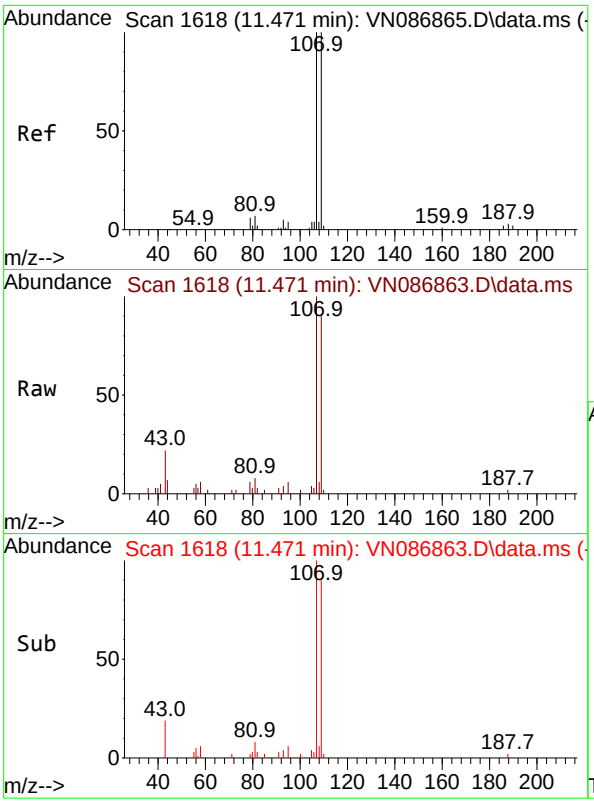


#60
Dibromochloromethane
Concen: 4.962 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:129 Resp: 14884

Ion	Ratio	Lower	Upper
129	100		
127	75.9	38.6	115.8



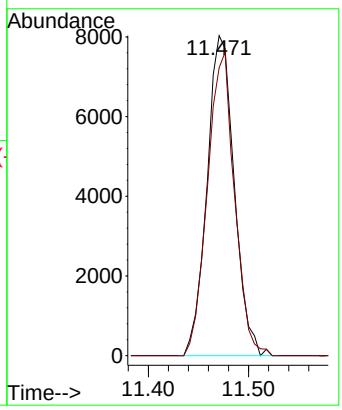


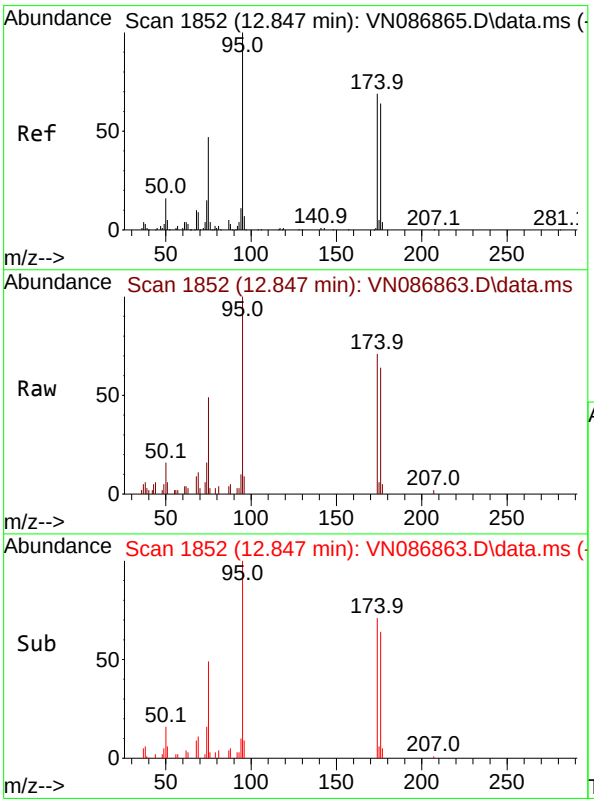
#61
1,2-Dibromoethane
Concen: 5.141 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 15172

Ion	Ratio	Lower	Upper
107	100		
109	94.2	76.3	114.5

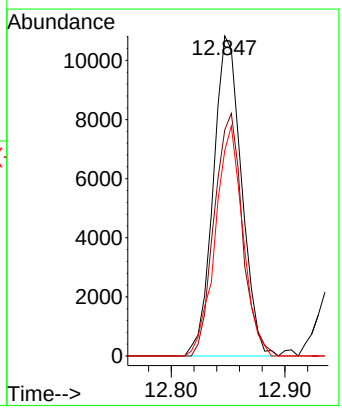


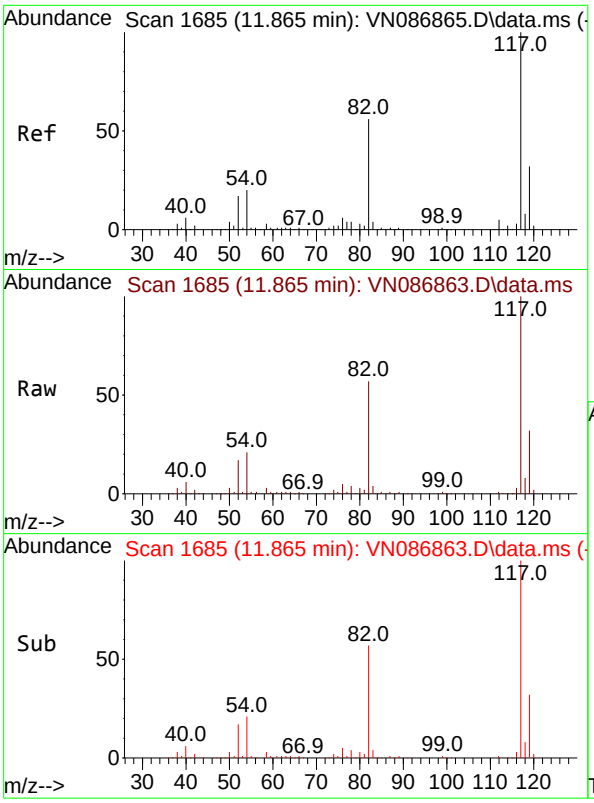


#62
4-Bromofluorobenzene
Concen: 5.059 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 95 Resp: 18697

Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	141.8
176	70.2	0.0	132.6



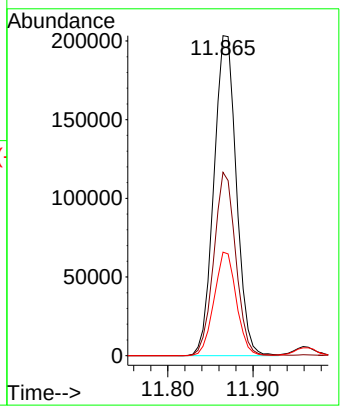


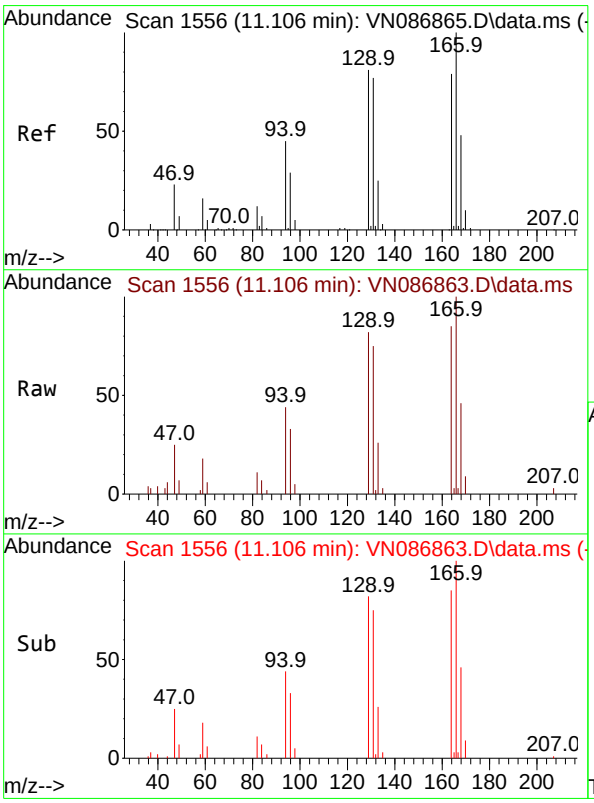
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 371851

Ion	Ratio	Lower	Upper
117	100		
82	57.3	44.6	67.0
119	32.3	25.5	38.3

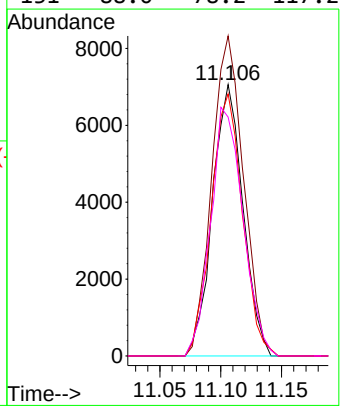


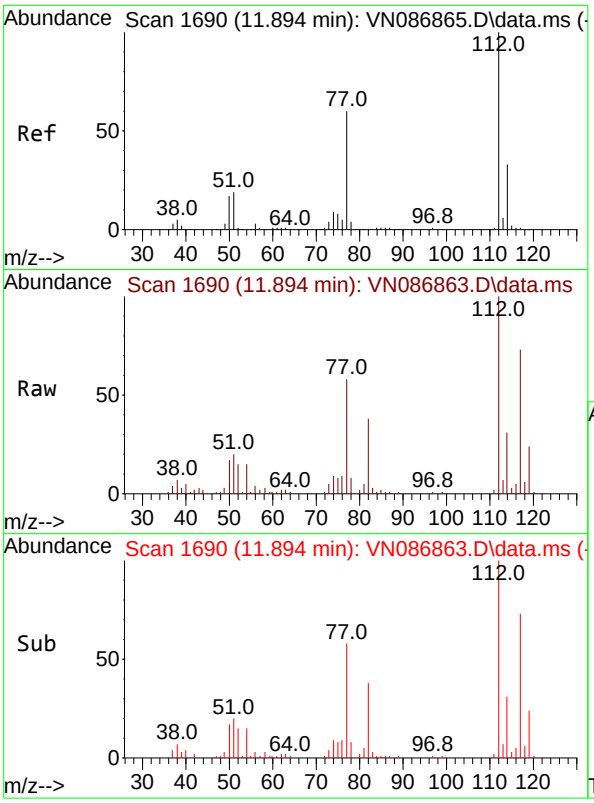


#64
Tetrachloroethene
Concen: 5.236 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:164 Resp: 12322

Ion	Ratio	Lower	Upper
164	100		
166	117.9	101.8	152.8
129	96.6	83.0	124.4
131	88.0	78.2	117.2



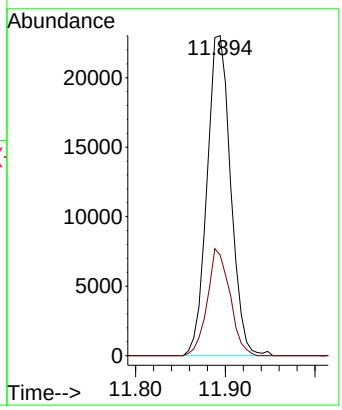


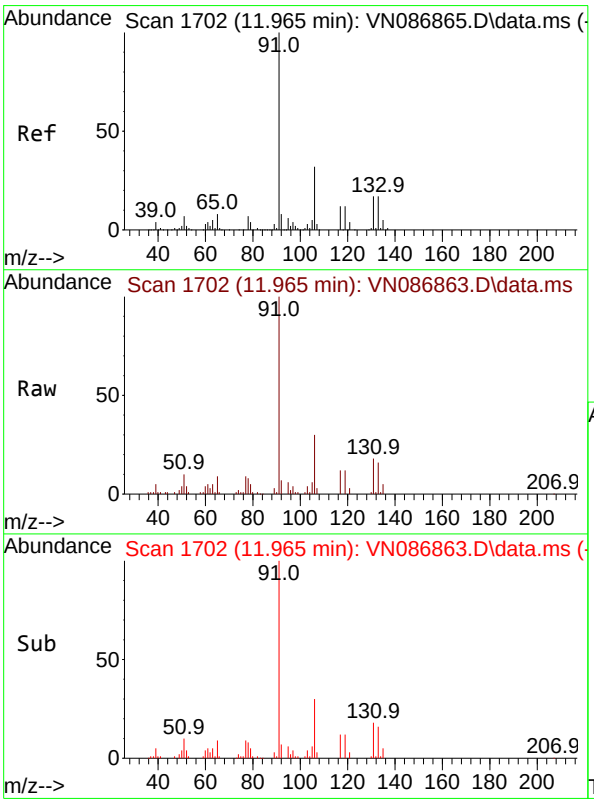
#65
Chlorobenzene
Concen: 5.145 ug/l
RT: 11.894 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 42195

Ion	Ratio	Lower	Upper
112	100		
114	31.5	26.2	39.2

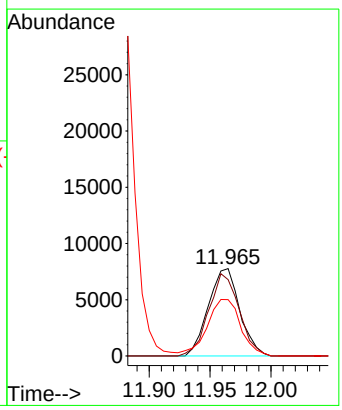


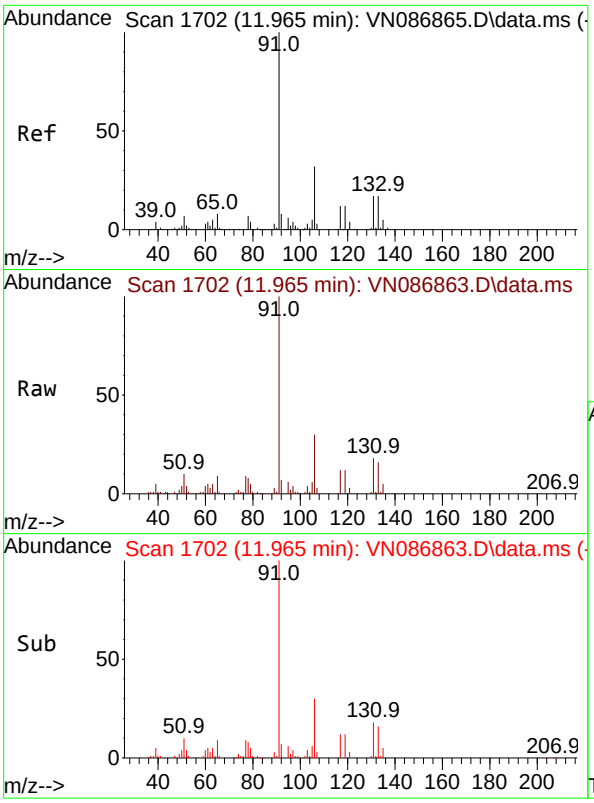


#66
1,1,1,2-Tetrachloroethane
Concen: 5.271 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:131 Resp: 13897

Ion	Ratio	Lower	Upper
131	100		
133	91.7	48.3	144.8
119	69.1	34.0	101.8



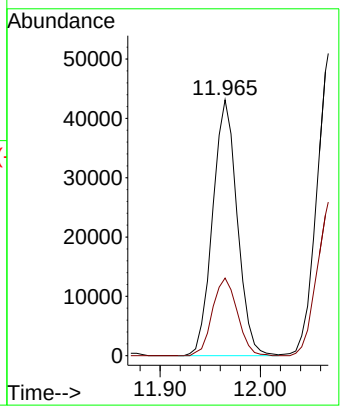


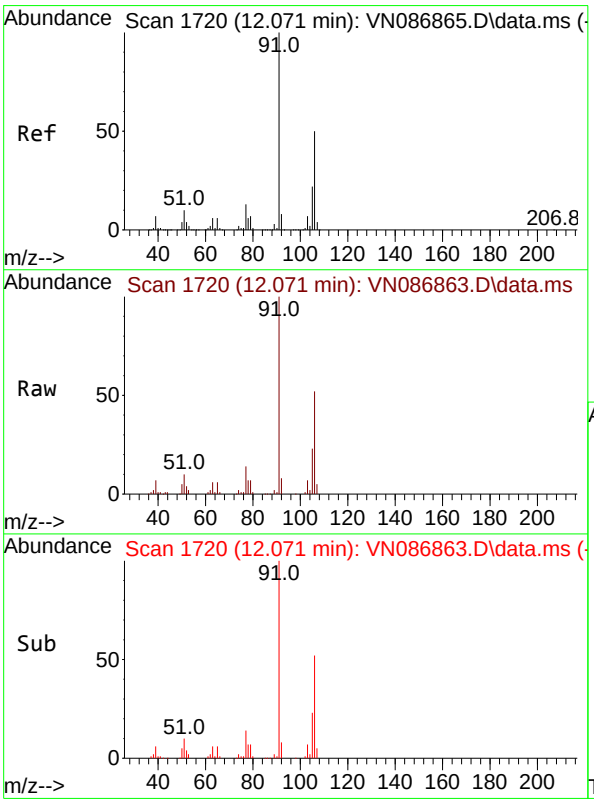
#67
Ethyl Benzene
Concen: 5.199 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 73443

Ion	Ratio	Lower	Upper
91	100		
106	30.3	25.4	38.2

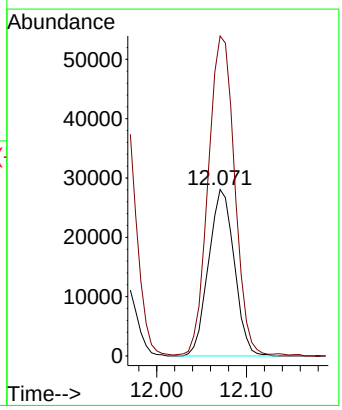


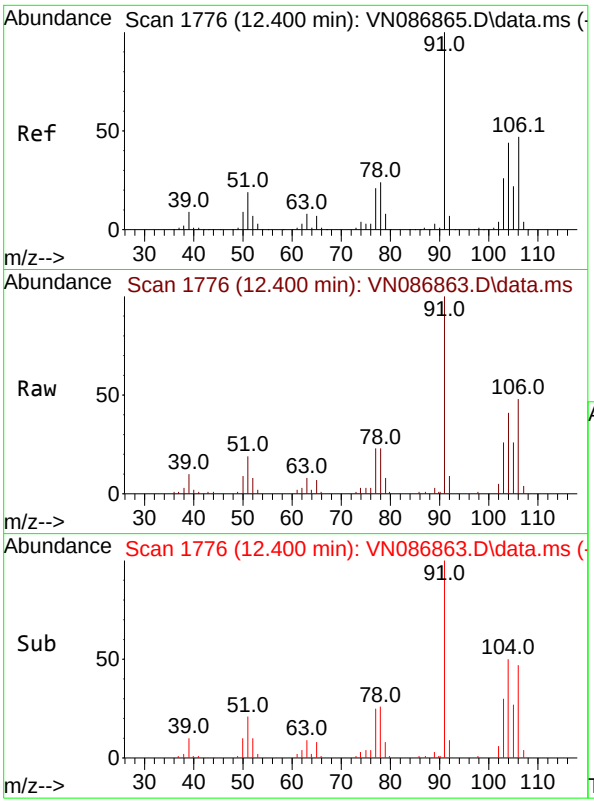


#68
m/p-Xylenes
Concen: 10.330 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:106 Resp: 55859

Ion	Ratio	Lower	Upper
106	100		
91	199.0	159.4	239.0



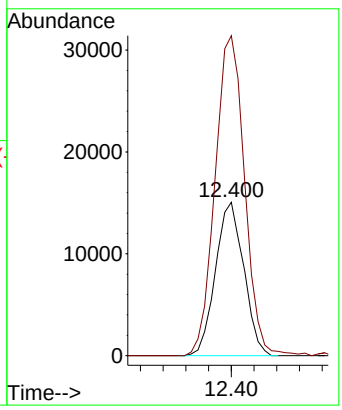


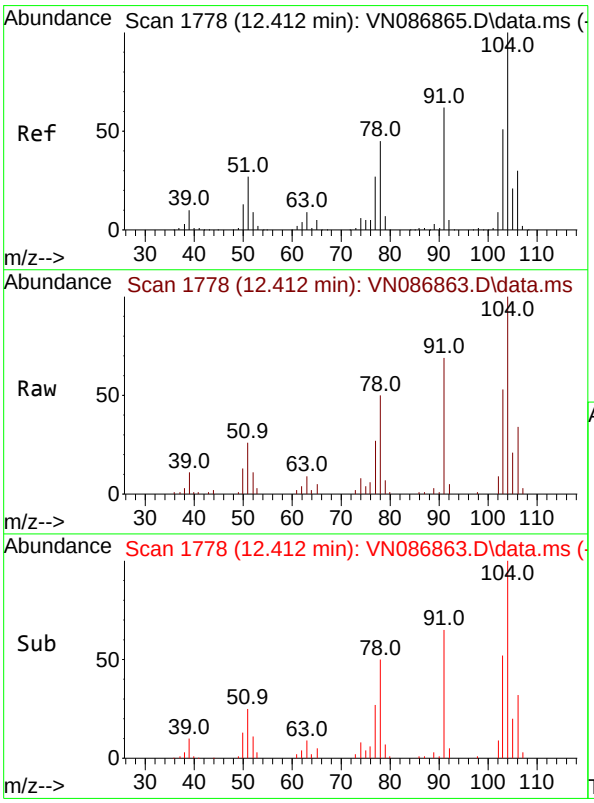
#69
o-Xylene
Concen: 5.021 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 26004

Ion	Ratio	Lower	Upper
106	100		
91	218.1	106.1	318.1

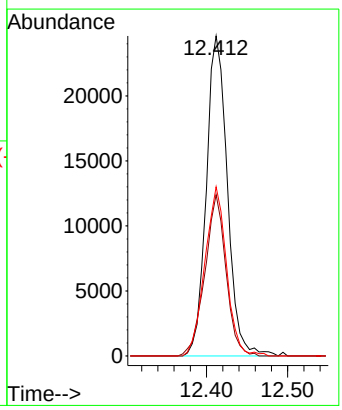


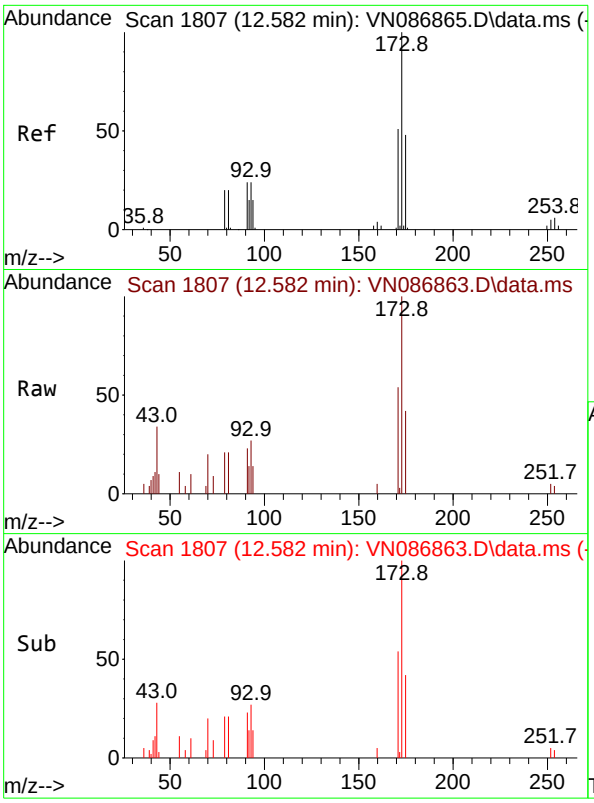


#70
Styrene
Concen: 5.008 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:104 Resp: 44380

Ion	Ratio	Lower	Upper
104	100		
78	50.4	38.5	57.7
103	54.4	43.1	64.7



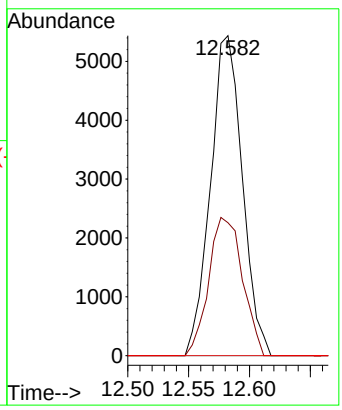


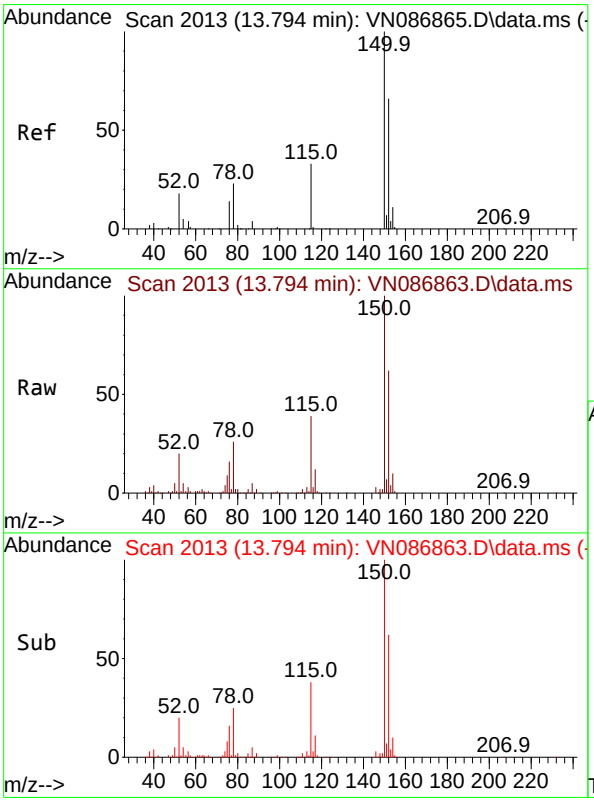
#71
Bromoform
Concen: 5.063 ug/l
RT: 12.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 9890

Ion	Ratio	Lower	Upper
173	100		
175	45.8	24.1	72.4
254	0.0	0.0	0.0

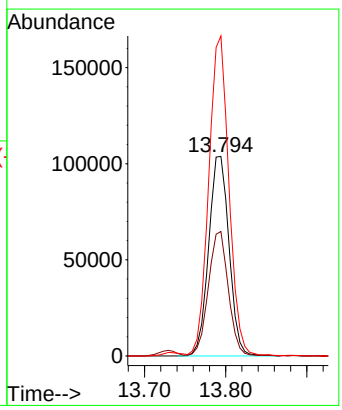


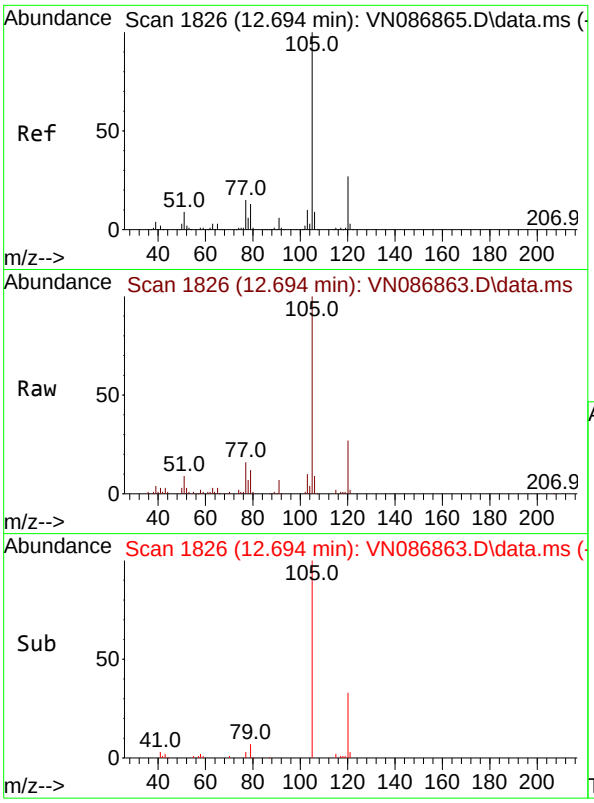


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:152 Resp: 181065

Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.1	90.5
150	157.8	0.0	345.0



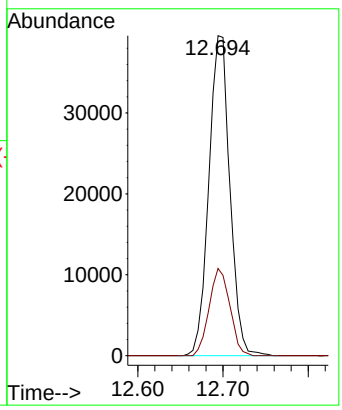


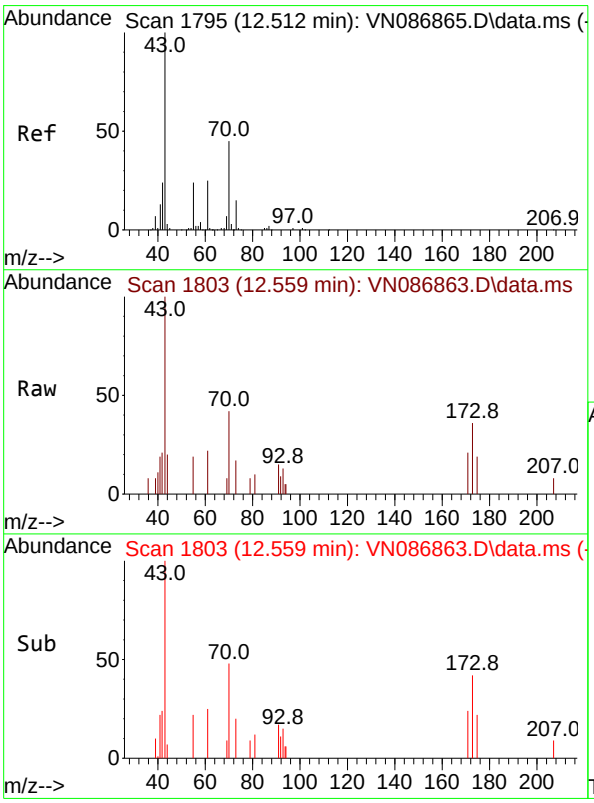
#73
Isopropylbenzene
Concen: 5.146 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 67878

Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.5	40.4

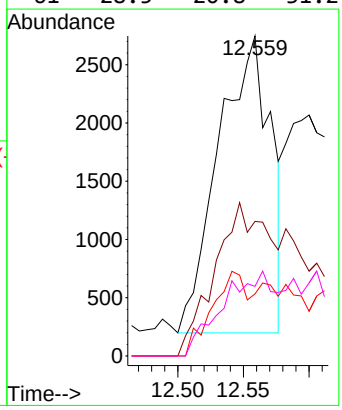


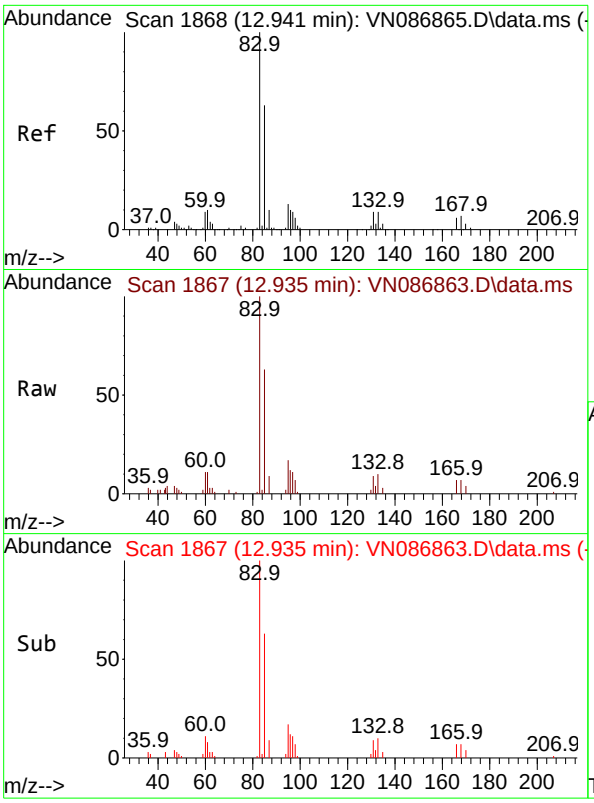


#74
N-amyl acetate
Concen: 1.611 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. 0.047 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 43 Resp: 7051

Ion	Ratio	Lower	Upper
43	100		
70	0.0	37.6	56.4#
55	0.0	19.0	28.6#
61	28.5	20.8	31.2



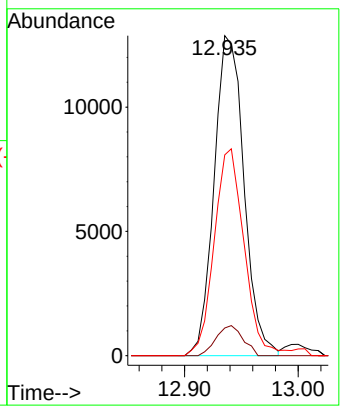


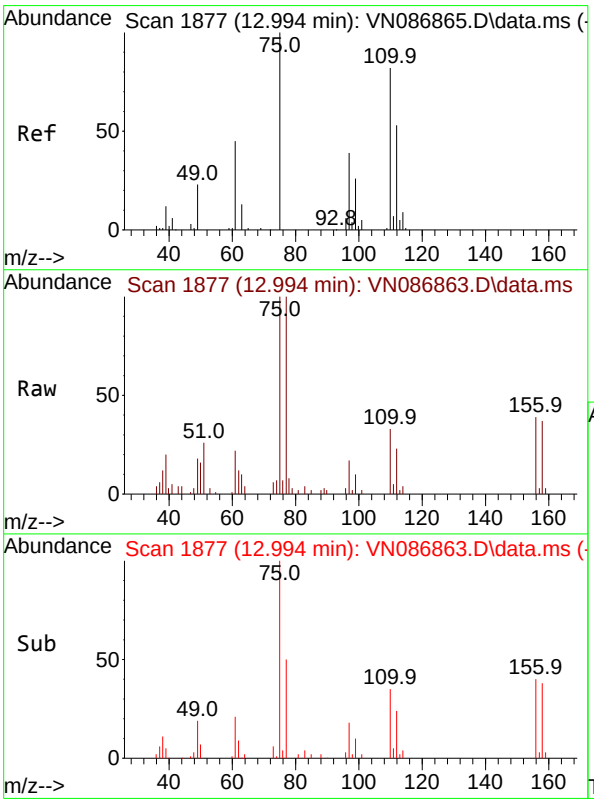
#75
1,1,2,2-Tetrachloroethane
Concen: 5.262 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 23516

Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.9	14.7
85	65.1	32.0	96.0

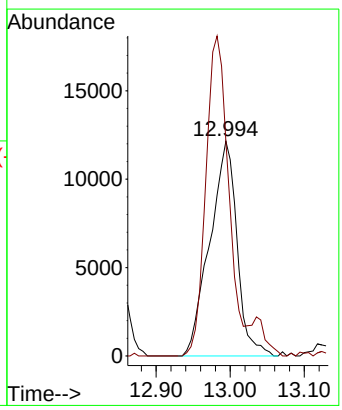


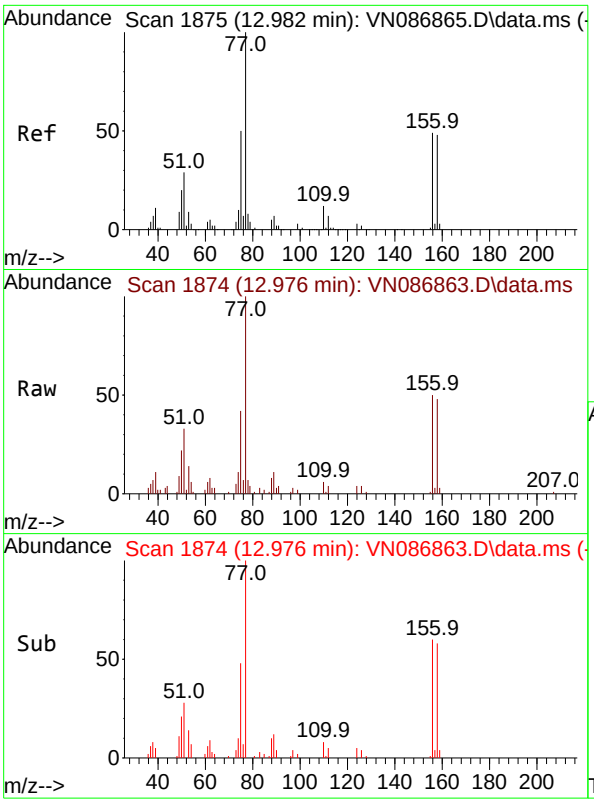


#76
1,2,3-Trichloropropane
Concen: 7.181 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 75 Resp: 31004

Ion	Ratio	Lower	Upper
75	100		
77	124.8	79.3	237.9



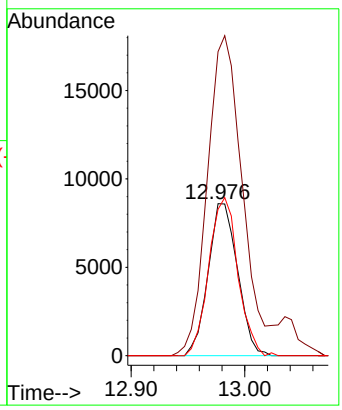


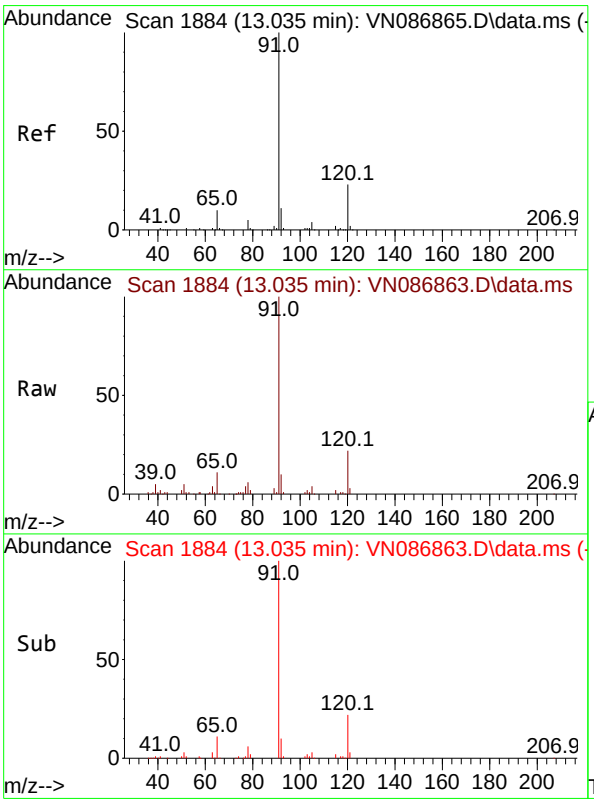
#77
Bromobenzene
Concen: 5.119 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 15485

Ion	Ratio	Lower	Upper
156	100		
77	249.9	117.7	353.1
158	102.9	48.1	144.4

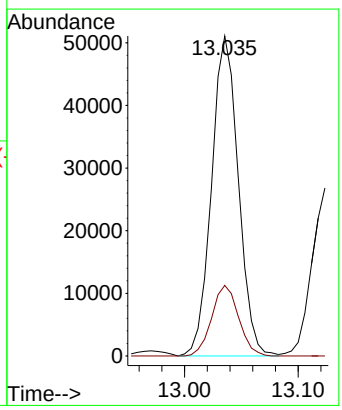


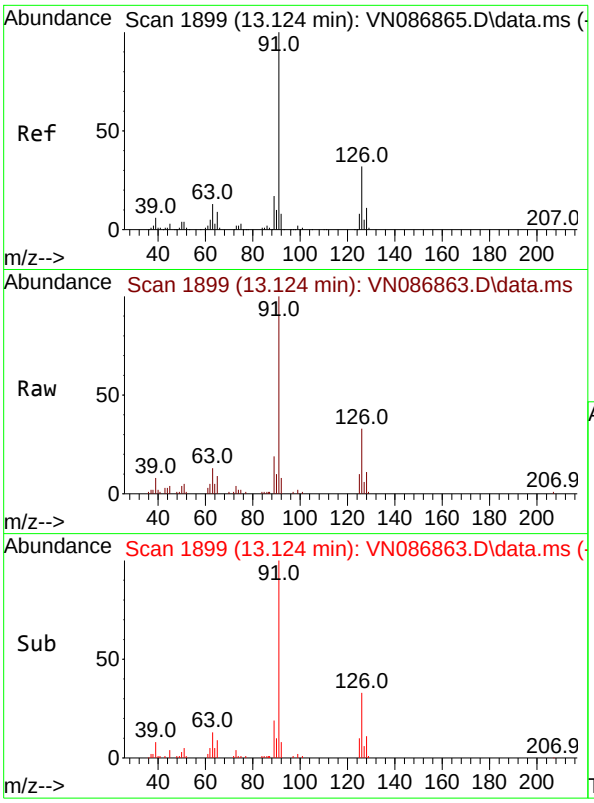


#78
n-propylbenzene
Concen: 5.226 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 91 Resp: 83781

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.4	34.2



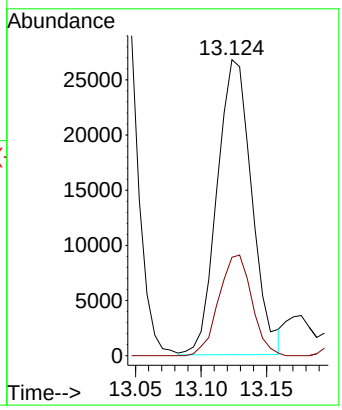


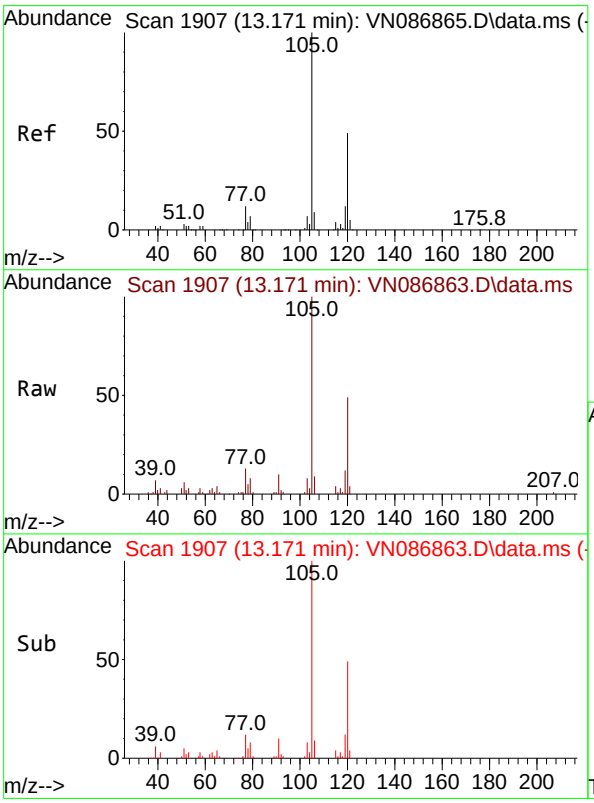
#79
2-Chlorotoluene
Concen: 5.128 ug/l
RT: 13.124 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 49297

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.2	48.5

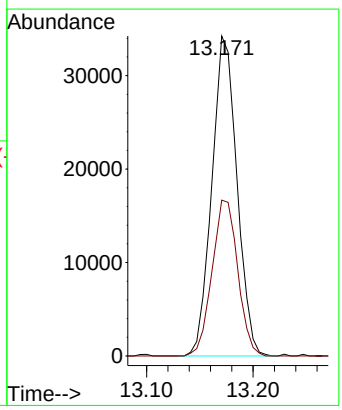


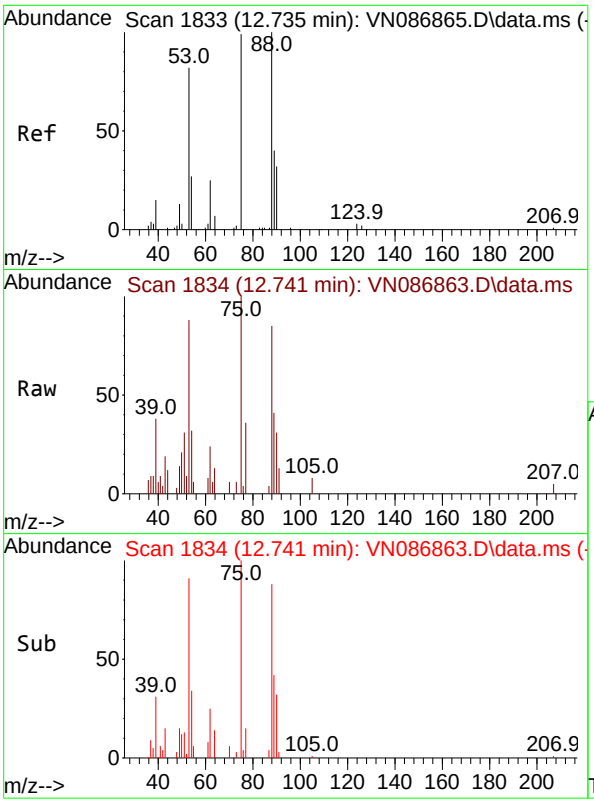


#80
1,3,5-Trimethylbenzene
Concen: 5.139 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:105 Resp: 55961

Ion	Ratio	Lower	Upper
105	100		
120	49.8	24.9	74.6



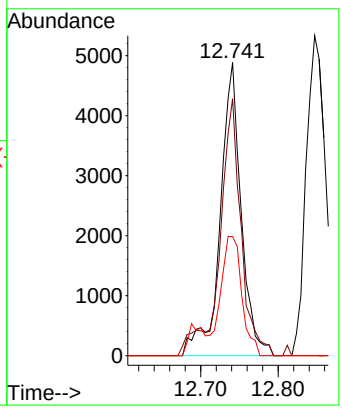


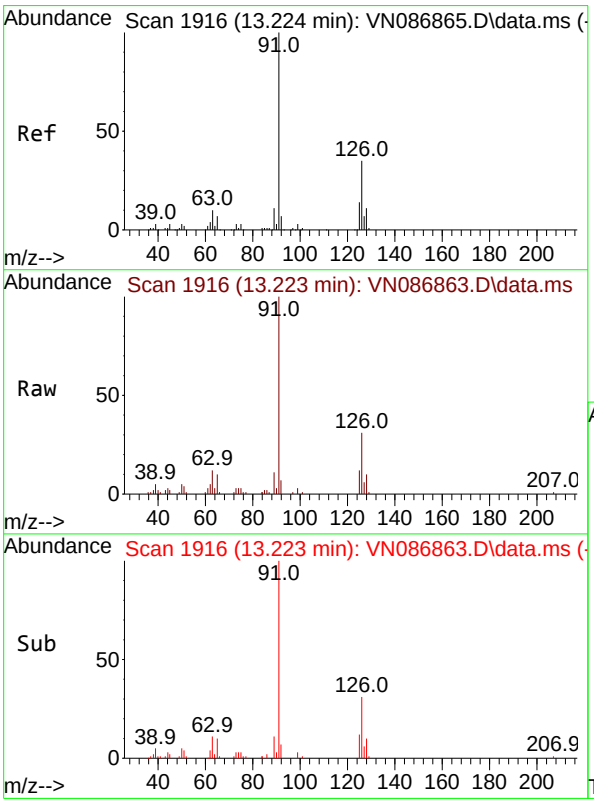
#81
trans-1,4-Dichloro-2-butene
Concen: 4.939 ug/l
RT: 12.741 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 9234

Ion	Ratio	Lower	Upper
75	100		
53	88.6	66.6	99.8
89	41.4	36.7	55.1

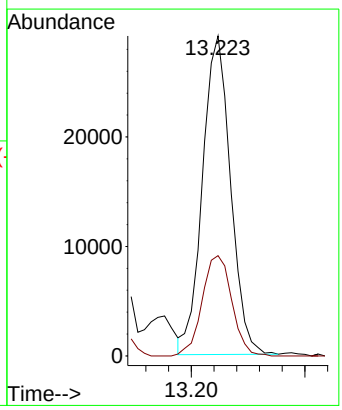


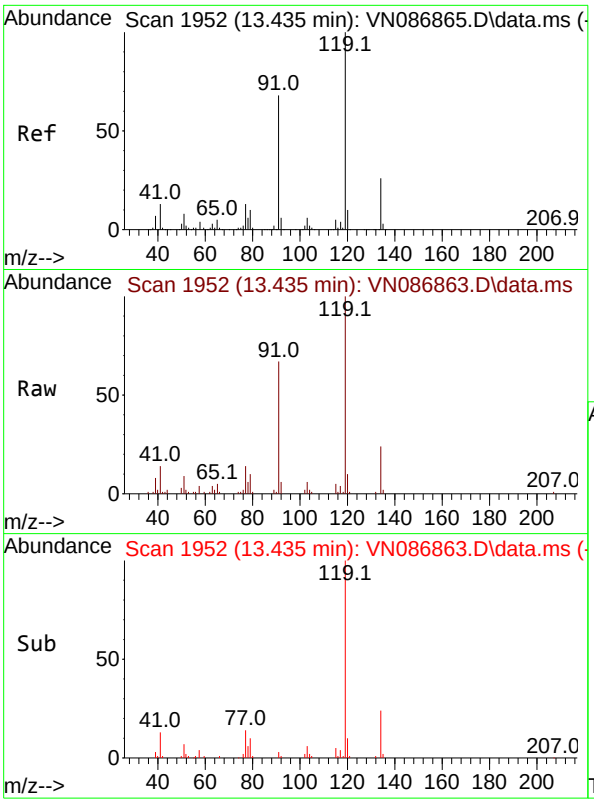


#82
4-Chlorotoluene
Concen: 5.132 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 91 Resp: 49924

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.7	50.1



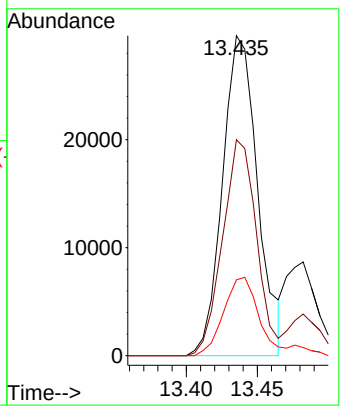


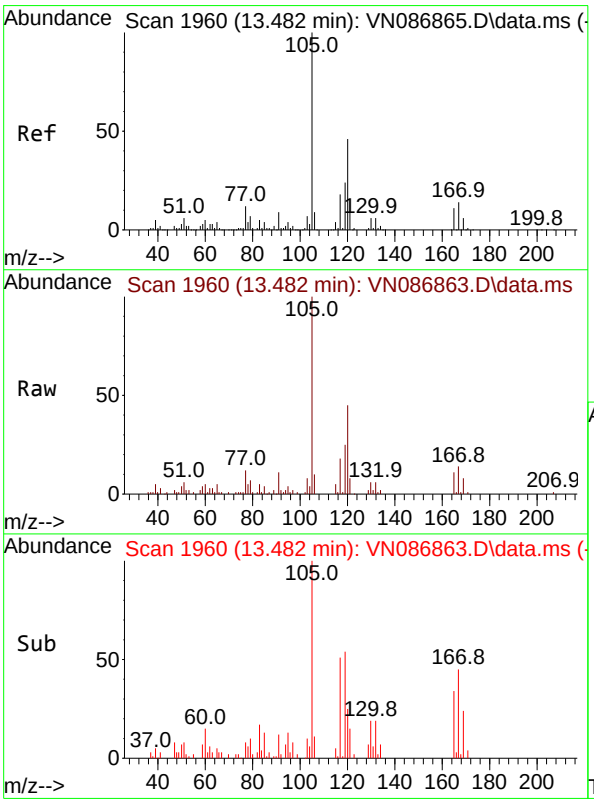
#83
tert-Butylbenzene
Concen: 5.103 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 50874

Ion	Ratio	Lower	Upper
119	100		
91	65.3	32.1	96.5
134	24.5	13.4	40.1

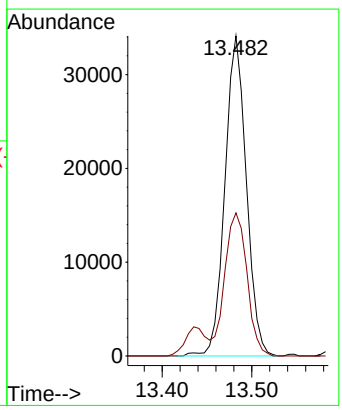


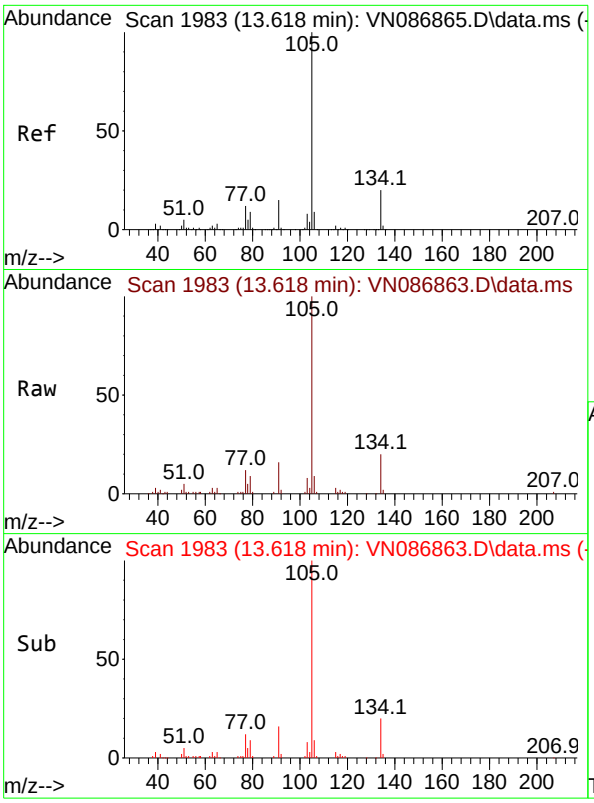


#84
1,2,4-Trimethylbenzene
Concen: 5.176 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:105 Resp: 56525

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.2	69.6



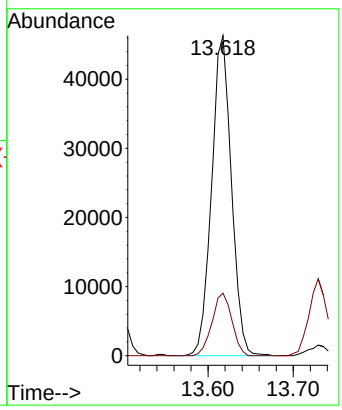


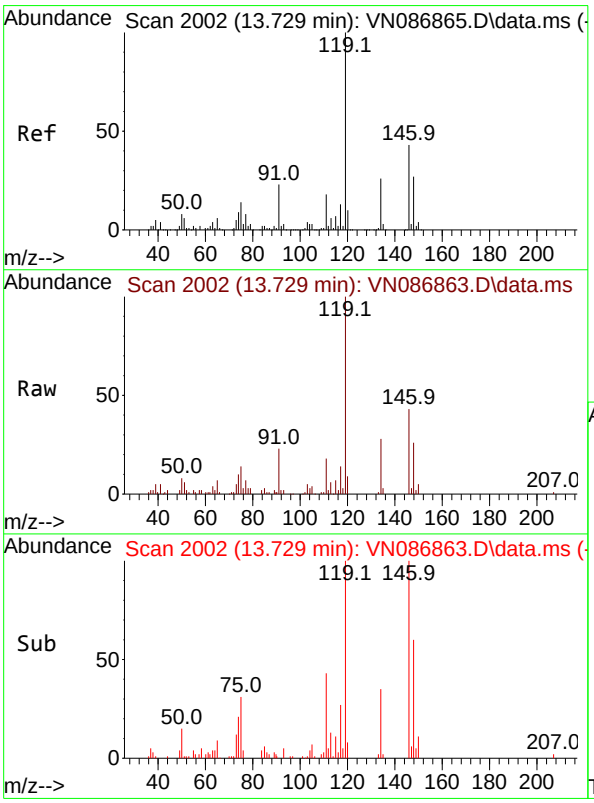
#85
sec-Butylbenzene
Concen: 5.161 ug/l
RT: 13.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 74711

Ion	Ratio	Lower	Upper
105	100		
134	19.5	10.0	30.0

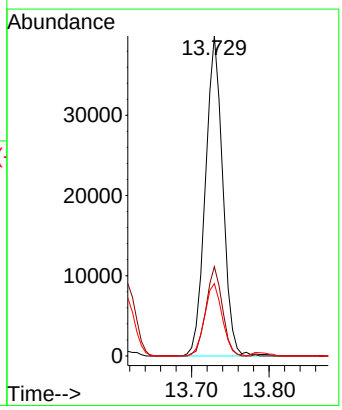


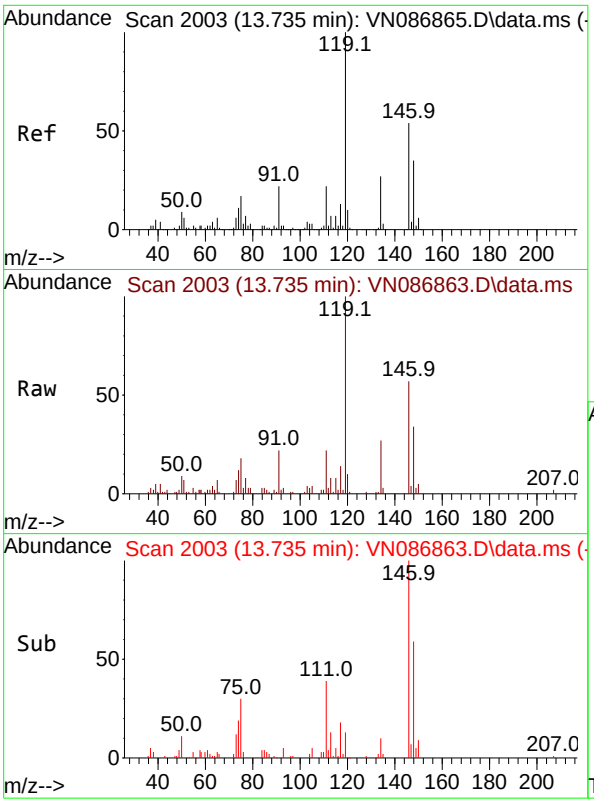


#86
p-Isopropyltoluene
Concen: 5.182 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:119 Resp: 62016

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.5	40.4
91	22.9	11.5	34.4



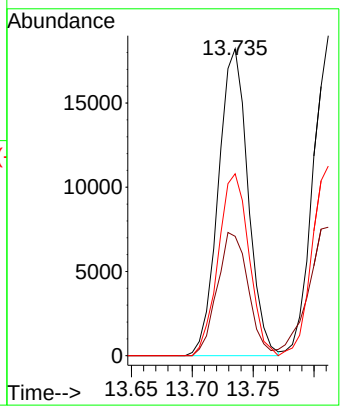


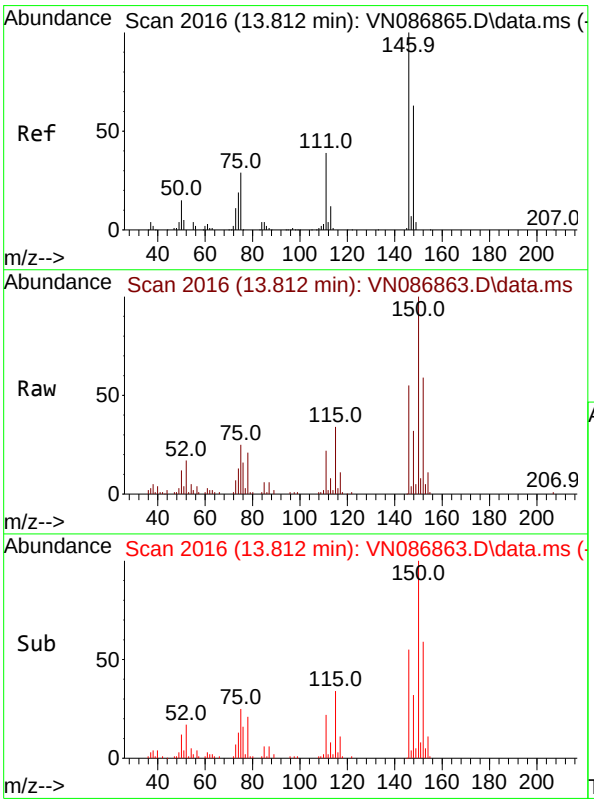
#87
1,3-Dichlorobenzene
Concen: 5.200 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 30949

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.9	62.8
148	61.1	32.0	96.2

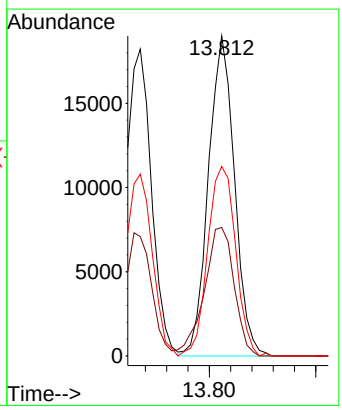


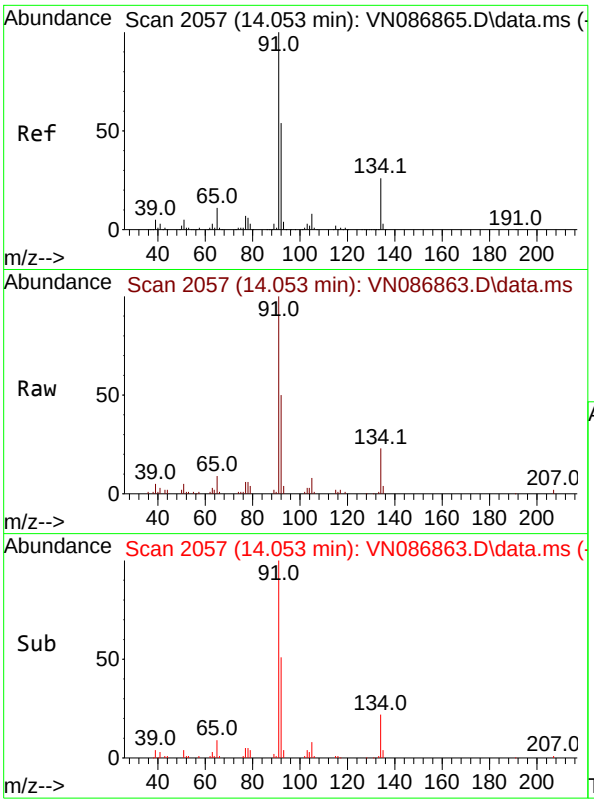


#88
1,4-Dichlorobenzene
Concen: 5.330 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:146 Resp: 32342

Ion	Ratio	Lower	Upper
146	100		
111	46.1	19.9	59.7
148	63.3	31.8	95.4



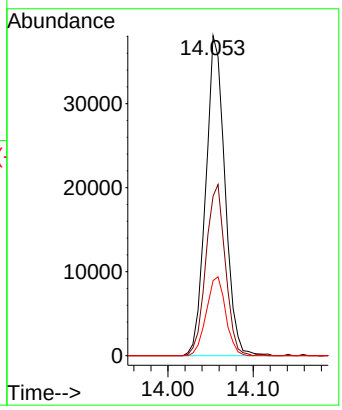


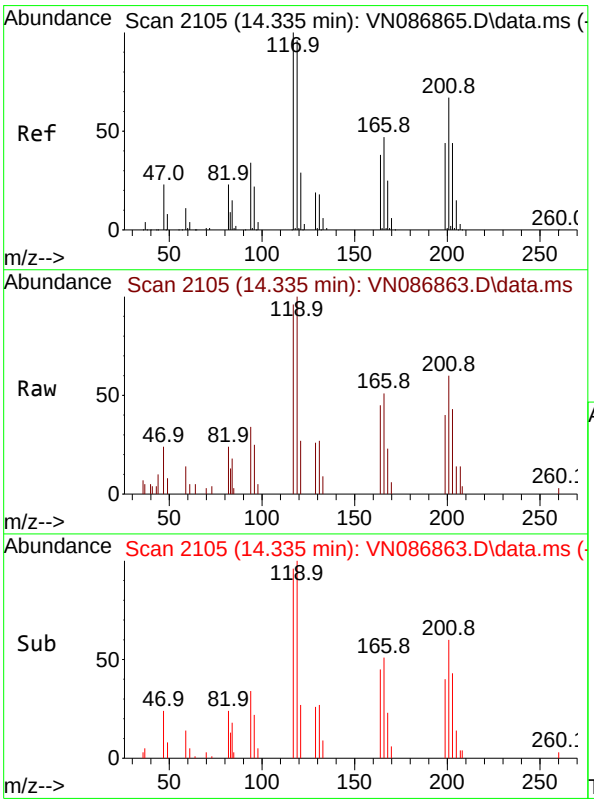
#89
n-Butylbenzene
Concen: 5.142 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 59601

Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.5	82.4
134	24.9	13.0	39.0

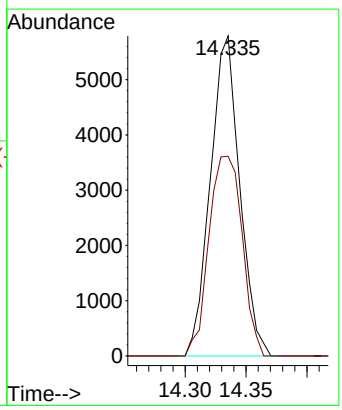


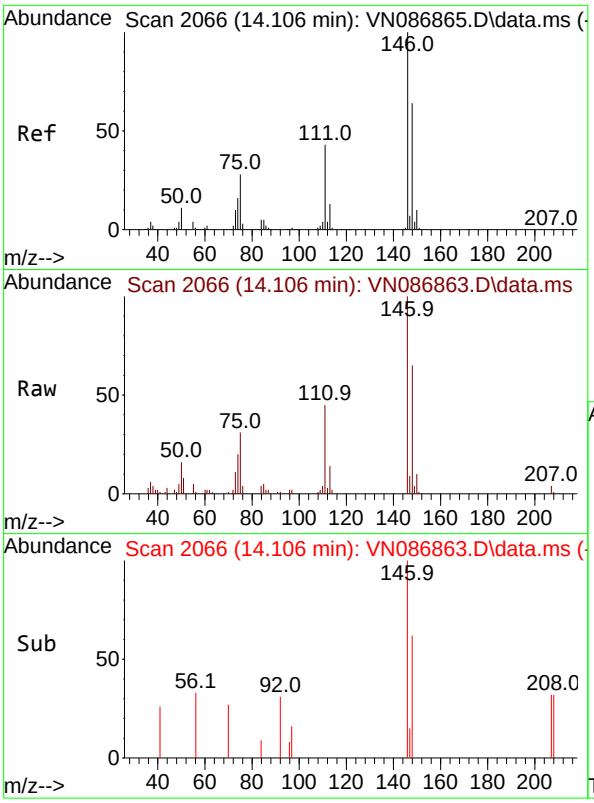


#90
Hexachloroethane
Concen: 4.794 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:117 Resp: 9725

Ion	Ratio	Lower	Upper
117	100		
201	70.6	33.2	99.6



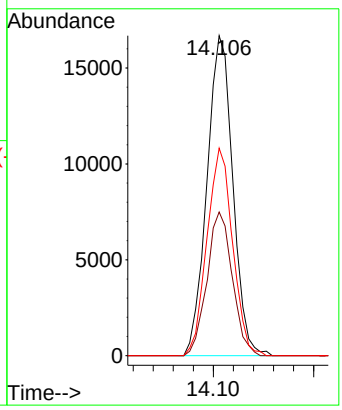


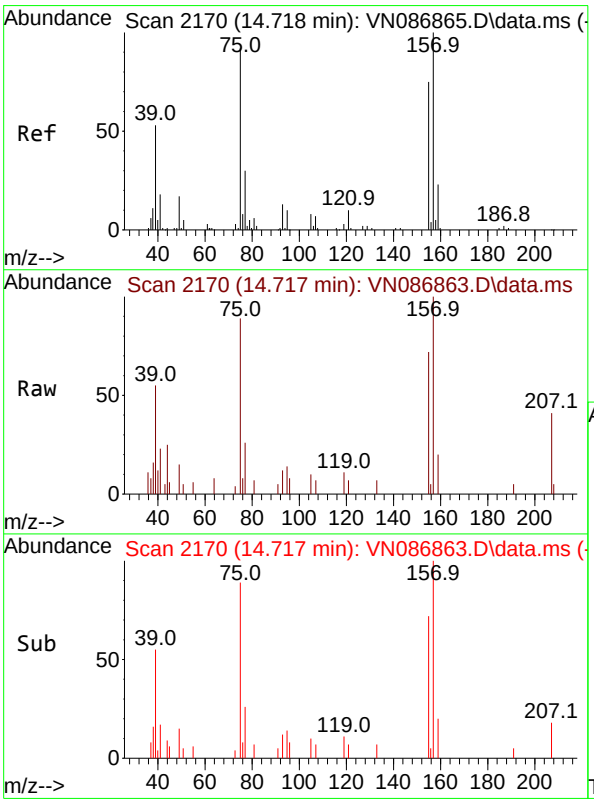
#91
1,2-Dichlorobenzene
Concen: 5.228 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 29897

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.6	64.6
148	64.3	31.7	95.1

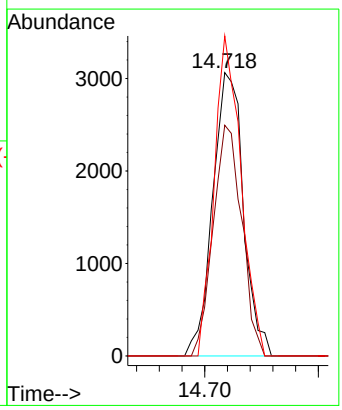


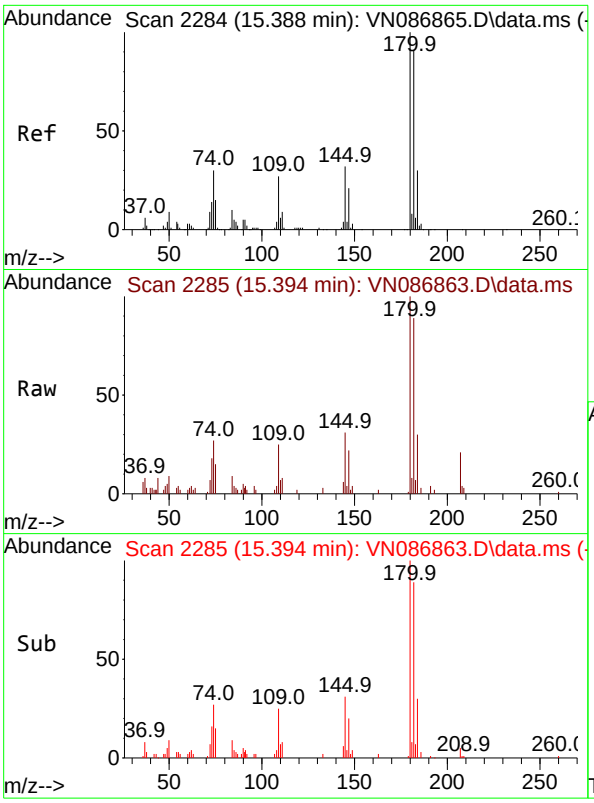


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.363 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion: 75 Resp: 5731

Ion	Ratio	Lower	Upper
75	100		
155	76.0	41.1	123.4
157	98.8	52.7	158.1



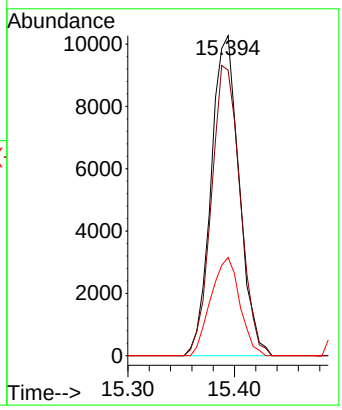


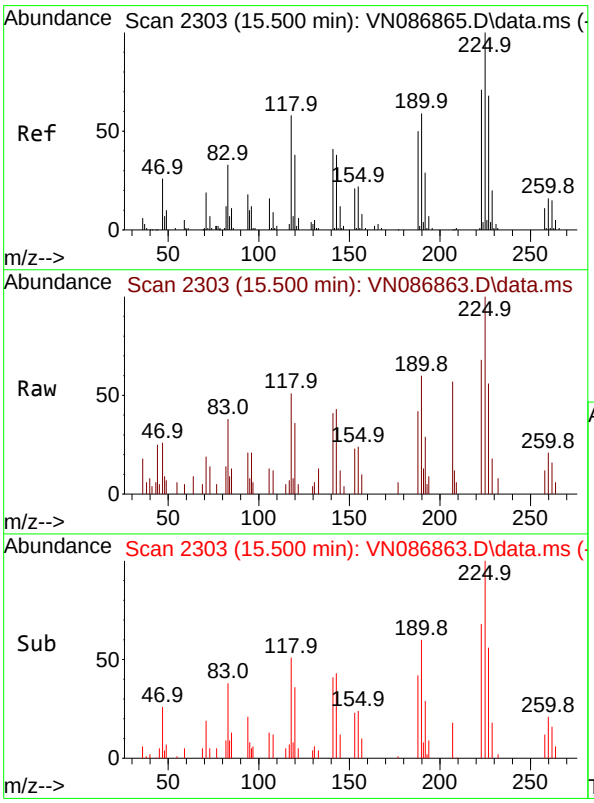
#93
1,2,4-Trichlorobenzene
Concen: 5.143 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 18778

Ion	Ratio	Lower	Upper
180	100		
182	92.6	46.9	140.7
145	31.7	16.0	47.9

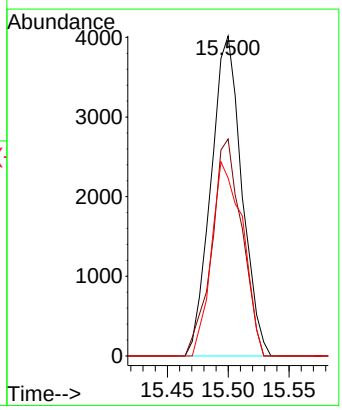


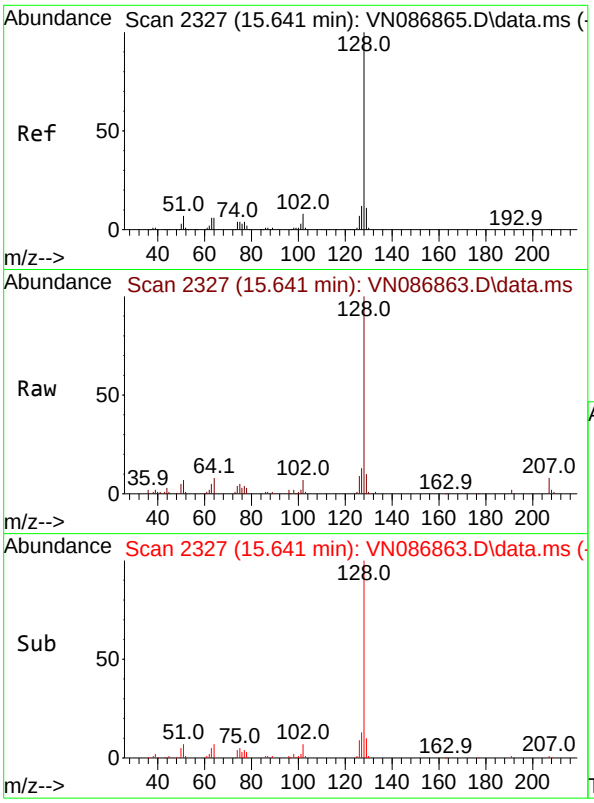


#94
Hexachlorobutadiene
Concen: 5.199 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:225 Resp: 7072

Ion	Ratio	Lower	Upper
225	100		
223	66.4	33.5	100.4
227	61.7	31.1	93.5



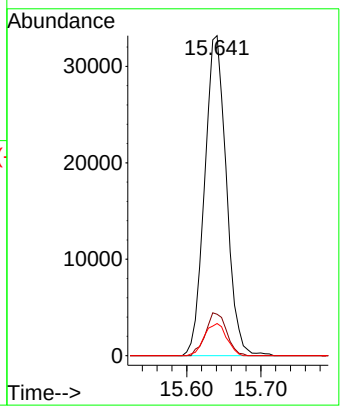


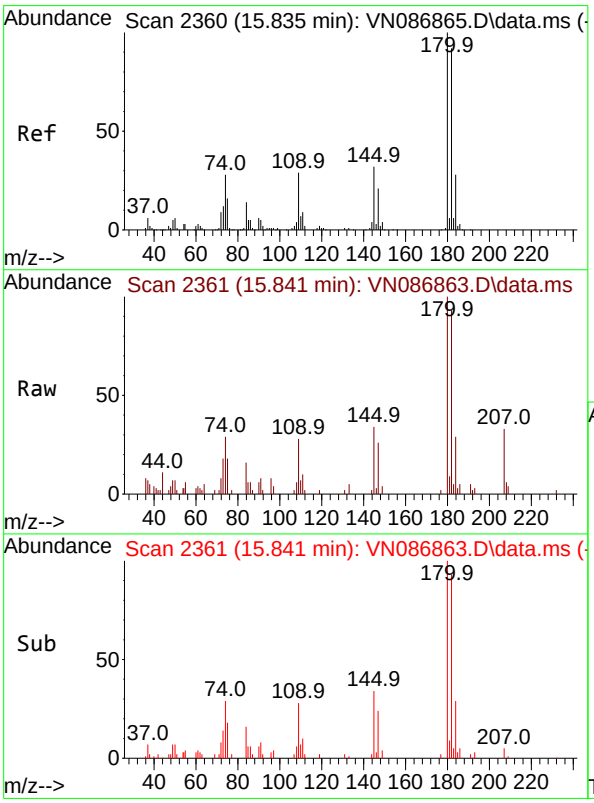
#95
Naphthalene
Concen: 4.965 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 67481

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.3	8.8	13.2

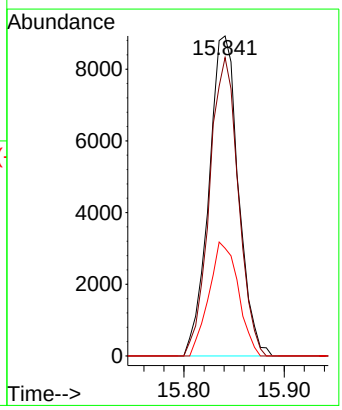




#96
1,2,3-Trichlorobenzene
Concen: 5.034 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086863.D
Acq: 06 Jun 2025 13:17

Tgt Ion:180 Resp: 18262

Ion	Ratio	Lower	Upper
180	100		
182	90.9	47.0	141.0
145	35.3	16.6	49.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	224006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	418154	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	363172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	181178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	63390	21.136	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 42.280%#			
35) Dibromofluoromethane	8.177	113	51797	20.902	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 41.800%#			
50) Toluene-d8	10.571	98	201268	20.516	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 41.040%#			
62) 4-Bromofluorobenzene	12.853	95	74622	20.474	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 40.940%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.159	85	48254	21.605	ug/l	92
3) Chloromethane	2.401	50	57778	20.033	ug/l	93
4) Vinyl Chloride	2.559	62	61254	20.589	ug/l	99
5) Bromomethane	3.006	94	34022	20.435	ug/l	95
6) Chloroethane	3.159	64	39625	20.619	ug/l	99
7) Trichlorofluoromethane	3.524	101	80978	20.832	ug/l	94
8) Diethyl Ether	3.983	74	34288	20.245	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.395	101	50458	20.661	ug/l	98
10) Methyl Iodide	4.612	142	65360	20.646	ug/l	98
11) Tert butyl alcohol	5.547	59	87102	107.031	ug/l	99
12) 1,1-Dichloroethene	4.359	96	50485	20.249	ug/l	96
13) Acrolein	4.200	56	22866	88.767	ug/l	97
14) Allyl chloride	5.047	41	82924	20.055	ug/l	98
15) Acrylonitrile	5.742	53	199498	104.881	ug/l	99
16) Acetone	4.447	43	163979	103.099	ug/l	98
17) Carbon Disulfide	4.736	76	138195	20.038	ug/l	97
18) Methyl Acetate	5.047	43	96547	20.830	ug/l	99
19) Methyl tert-butyl Ether	5.818	73	183780	20.358	ug/l	98
20) Methylene Chloride	5.294	84	57611	19.348	ug/l	98
21) trans-1,2-Dichloroethene	5.806	96	55643	20.059	ug/l	94
22) Diisopropyl ether	6.689	45	182472	20.935	ug/l	98
23) Vinyl Acetate	6.624	43	768556	104.365	ug/l	99
24) 1,1-Dichloroethane	6.583	63	103578	20.650	ug/l	99
25) 2-Butanone	7.494	43	270477	104.621	ug/l	100
26) 2,2-Dichloropropane	7.506	77	69692	17.862	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	68292	20.585	ug/l	98
28) Bromochloromethane	7.824	49	55196	22.381	ug/l	99
29) Tetrahydrofuran	7.853	42	178571	106.031	ug/l	99
30) Chloroform	7.977	83	102615	20.485	ug/l	93
31) Cyclohexane	8.271	56	100026	20.563	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	86810	20.376	ug/l	98
36) 1,1-Dichloropropene	8.383	75	73252	19.838	ug/l	100
37) Ethyl Acetate	7.571	43	96467	20.522	ug/l	98
38) Carbon Tetrachloride	8.377	117	72628	20.034	ug/l	97
39) Methylcyclohexane	9.606	83	98425	19.455	ug/l	99
40) Benzene	8.612	78	241444	19.996	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	53244	20.169	ug/l		98
42) 1,2-Dichloroethane	8.677	62	74238	20.270	ug/l		100
43) Isopropyl Acetate	8.694	43	151601	20.094	ug/l		99
44) Trichloroethene	9.359	130	57110	19.946	ug/l		96
45) 1,2-Dichloropropane	9.630	63	59293	20.184	ug/l		97
46) Dibromomethane	9.712	93	40290	20.648	ug/l		98
47) Bromodichloromethane	9.894	83	80353	20.015	ug/l		98
48) Methyl methacrylate	9.682	41	70457	20.290	ug/l		97
49) 1,4-Dioxane	9.706	88	28231	446.886	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.447	43	481741	106.066	ug/l		99
52) Toluene	10.635	92	148000	20.056	ug/l		98
53) t-1,3-Dichloropropene	10.841	75	87683	19.532	ug/l		99
54) cis-1,3-Dichloropropene	10.318	75	94315	19.636	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	57195	20.143	ug/l		99
56) Ethyl methacrylate	10.882	69	94829	20.968	ug/l		98
57) 1,3-Dichloropropane	11.165	76	98205	19.938	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	278986	103.426	ug/l		99
59) 2-Hexanone	11.206	43	303686	103.803	ug/l		95
60) Dibromochloromethane	11.359	129	59961	20.268	ug/l		99
61) 1,2-Dibromoethane	11.471	107	59139	20.320	ug/l		97
64) Tetrachloroethene	11.106	164	45374	19.742	ug/l		96
65) Chlorobenzene	11.894	112	160803	20.076	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	52069	20.223	ug/l		99
67) Ethyl Benzene	11.965	91	277087	20.083	ug/l		98
68) m/p-Xylenes	12.071	106	215378	40.780	ug/l		100
69) o-Xylene	12.400	106	102050	20.175	ug/l		98
70) Styrene	12.412	104	178061	20.572	ug/l		99
71) Bromoform	12.576	173	40070	21.004	ug/l	#	99
73) Isopropylbenzene	12.694	105	264442	20.035	ug/l		100
74) N-amyl acetate	12.523	43	86003	19.633	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.941	83	92264	20.634	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	122897	28.448	ug/l		69
77) Bromobenzene	12.982	156	60877	20.111	ug/l		98
78) n-propylbenzene	13.035	91	322436	20.102	ug/l		100
79) 2-Chlorotoluene	13.123	91	193774	20.144	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	219937	20.183	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	37808	20.209	ug/l		92
82) 4-Chlorotoluene	13.223	91	193544	19.885	ug/l		99
83) tert-Butylbenzene	13.435	119	198303	19.880	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	221990	20.315	ug/l		100
85) sec-Butylbenzene	13.617	105	292563	20.196	ug/l		100
86) p-Isopropyltoluene	13.729	119	240682	20.099	ug/l		100
87) 1,3-Dichlorobenzene	13.735	146	120099	20.166	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	120102	19.780	ug/l		97
89) n-Butylbenzene	14.053	91	227536	19.617	ug/l		100
90) Hexachloroethane	14.335	117	41202	20.299	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	115645	20.212	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	21025	19.661	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	71826	19.659	ug/l		98
94) Hexachlorobutadiene	15.500	225	27887	20.486	ug/l		97
95) Naphthalene	15.641	128	272584	20.043	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	71929	19.815	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

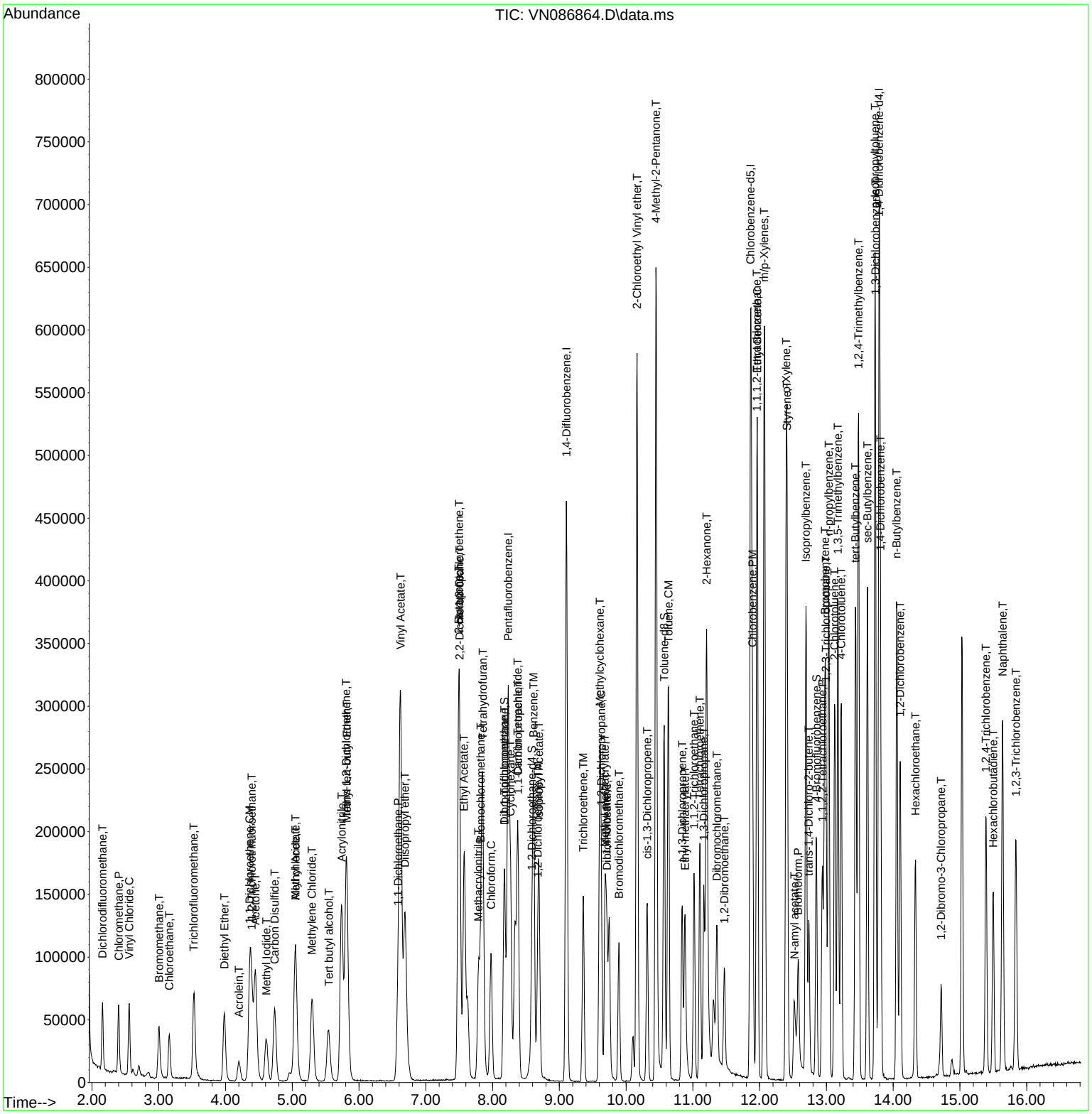
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

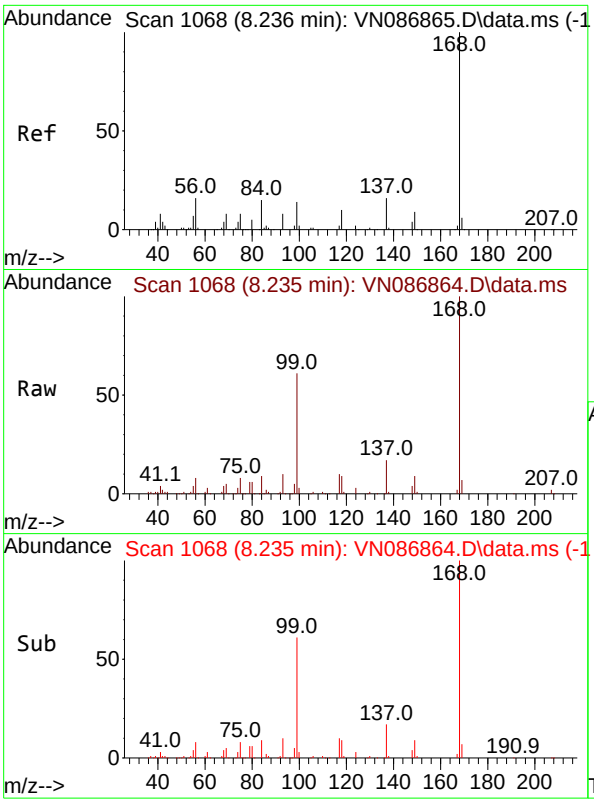
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration



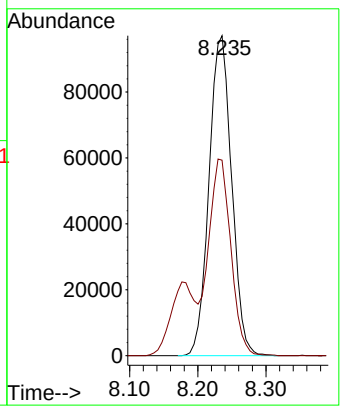


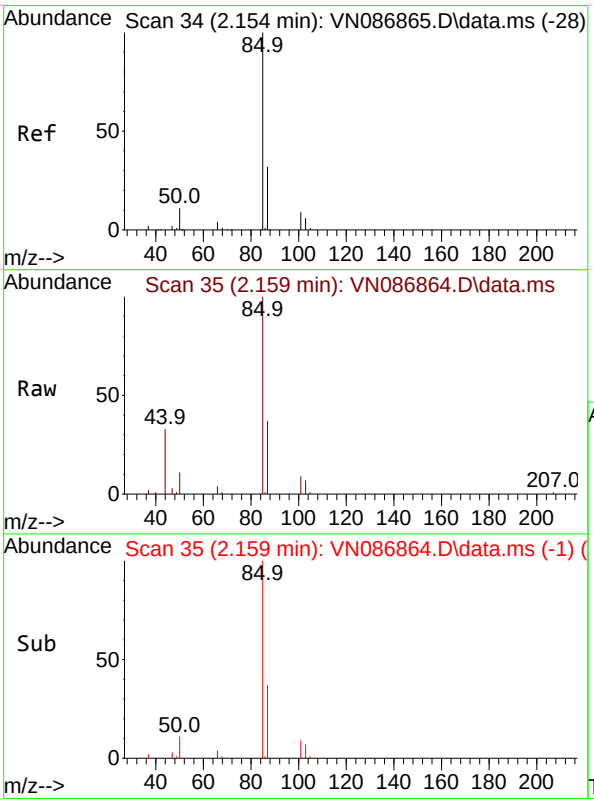
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 224006

Ion	Ratio	Lower	Upper
168	100		
99	61.1	49.1	73.7

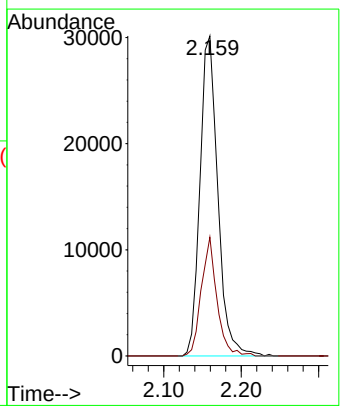


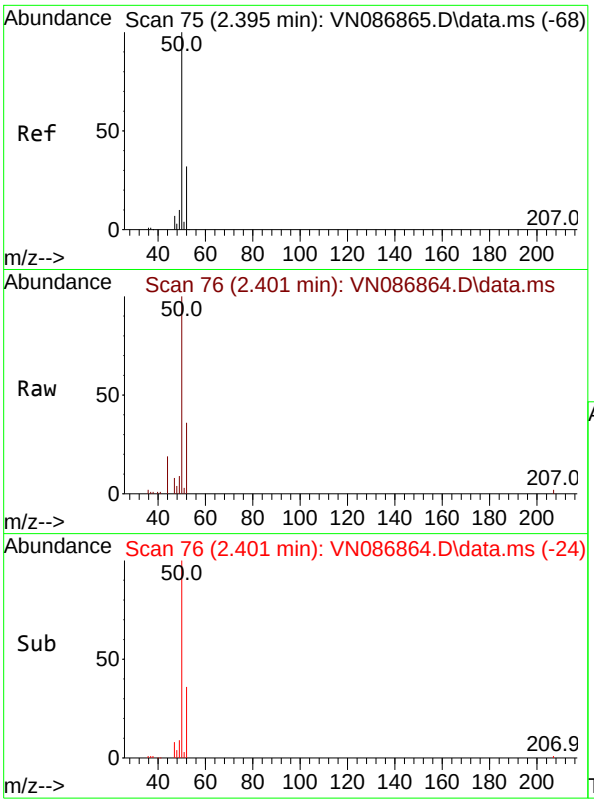


#2
Dichlorodifluoromethane
Concen: 21.605 ug/l
RT: 2.159 min Scan# 35
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 85 Resp: 48254

Ion	Ratio	Lower	Upper
85	100		
87	37.1	16.2	48.6



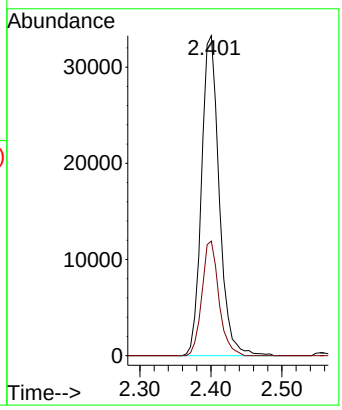


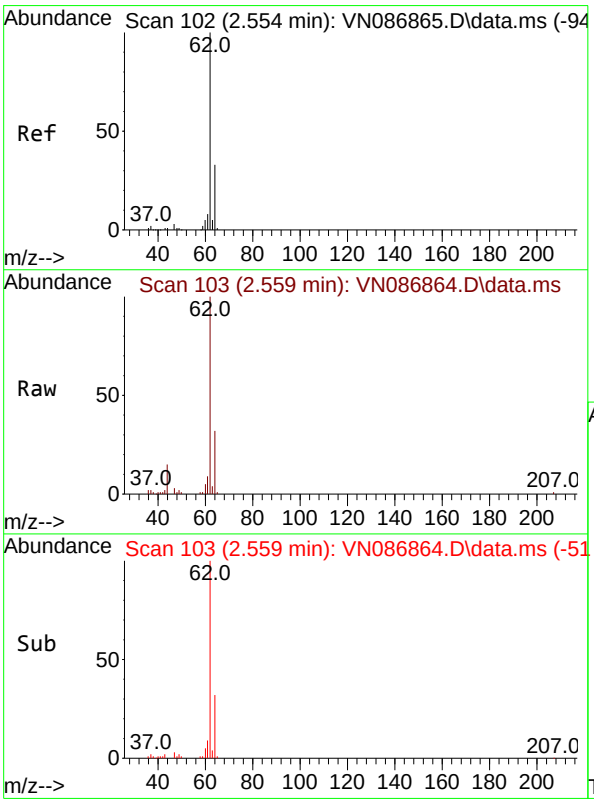
#3
Chloromethane
Concen: 20.033 ug/l
RT: 2.401 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 57778

Ion	Ratio	Lower	Upper
50	100		
52	35.8	25.7	38.5

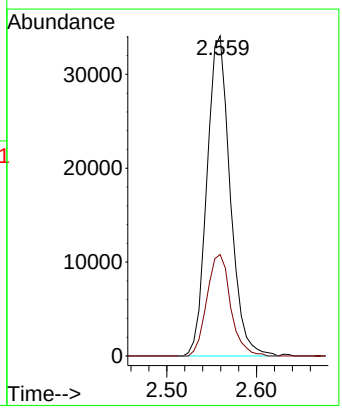


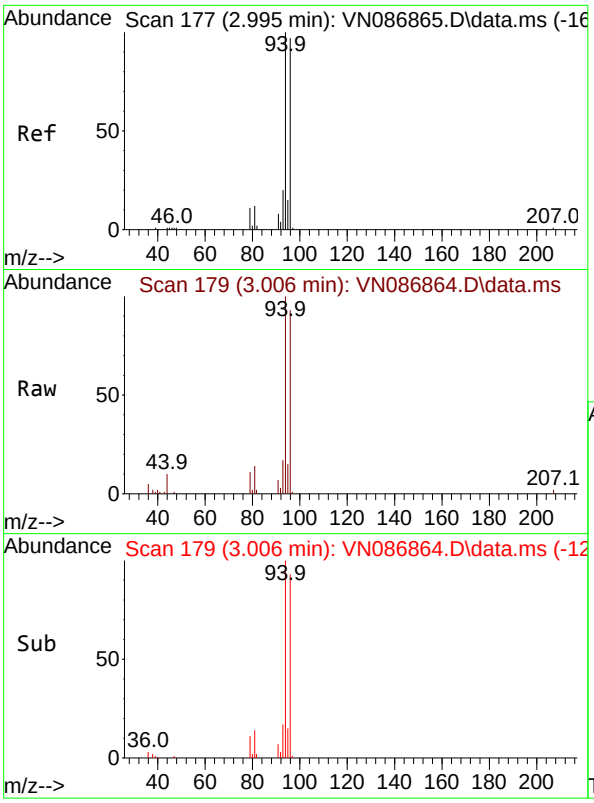


#4
Vinyl Chloride
Concen: 20.589 ug/l
RT: 2.559 min Scan# 103
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 62 Resp: 61254

Ion	Ratio	Lower	Upper
62	100		
64	31.7	26.0	39.0



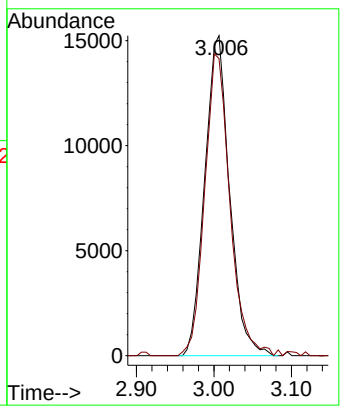


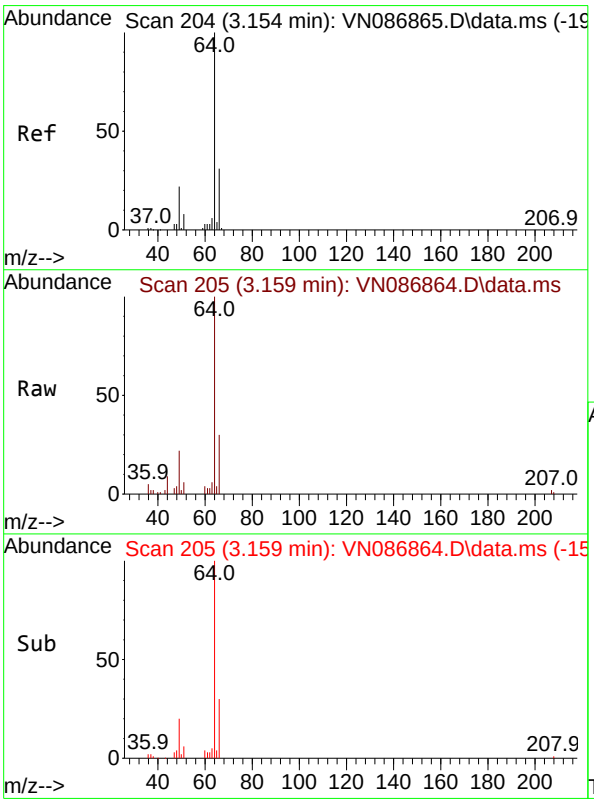
#5
Bromomethane
Concen: 20.435 ug/l
RT: 3.006 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 34022

Ion	Ratio	Lower	Upper
94	100		
96	92.9	77.9	116.9

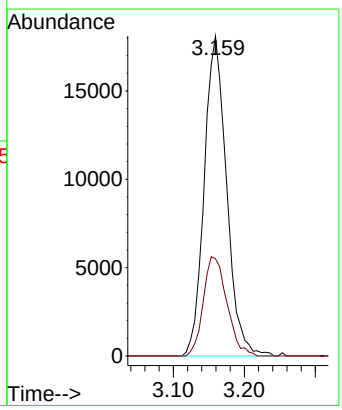


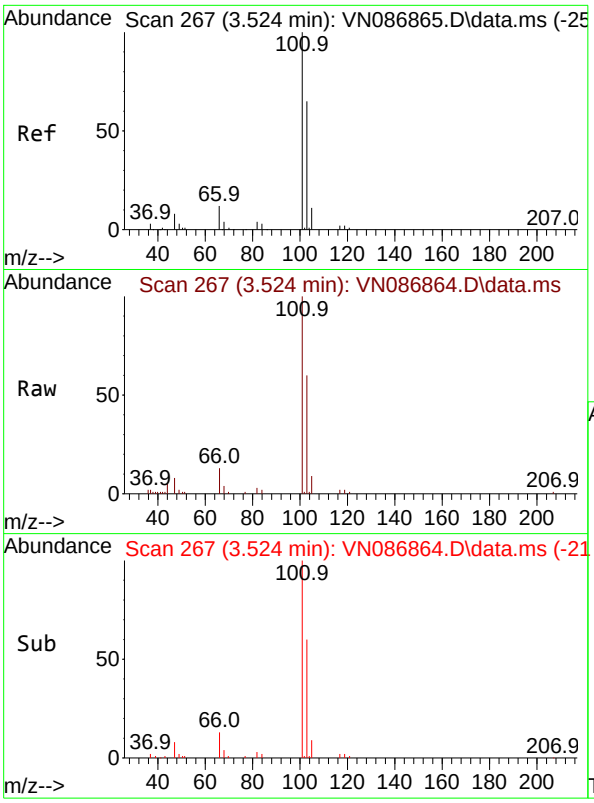


#6
Chloroethane
Concen: 20.619 ug/l
RT: 3.159 min Scan# 205
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 64 Resp: 39625

Ion	Ratio	Lower	Upper
64	100		
66	30.4	24.6	36.8



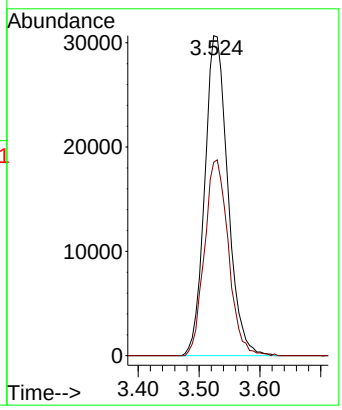


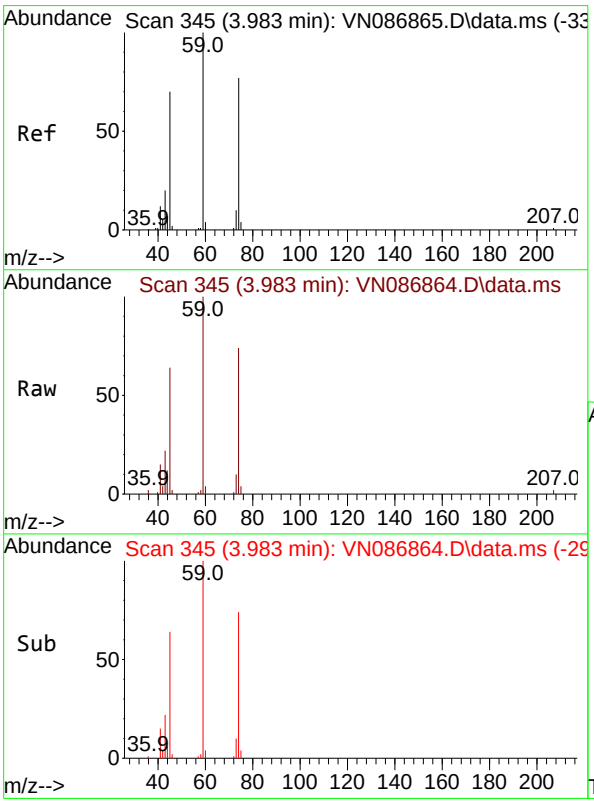
#7
Trichlorofluoromethane
Concen: 20.832 ug/l
RT: 3.524 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 80978

Ion	Ratio	Lower	Upper
101	100		
103	60.4	52.2	78.2

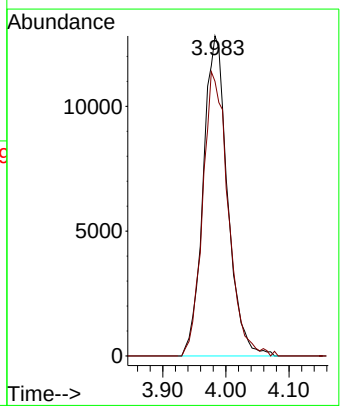


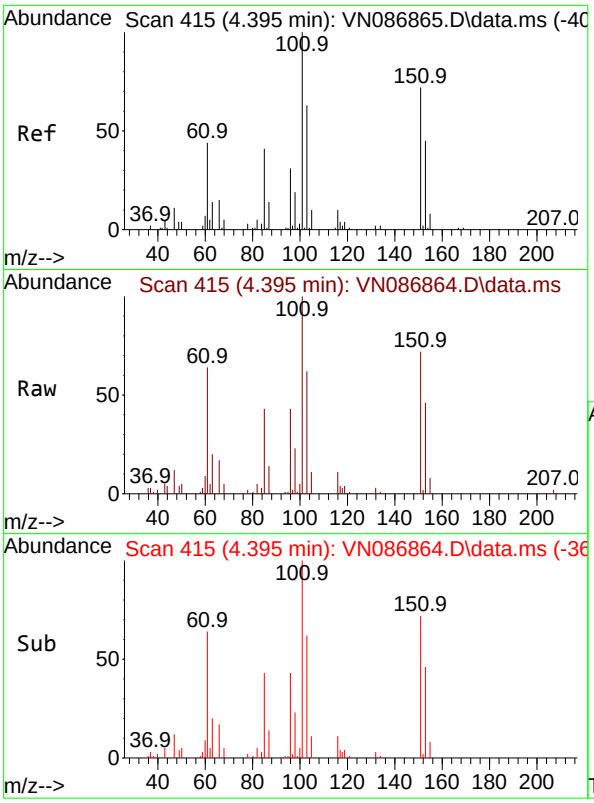


#8
Diethyl Ether
Concen: 20.245 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 74 Resp: 34288

Ion	Ratio	Lower	Upper
74	100		
45	92.9	45.5	136.5



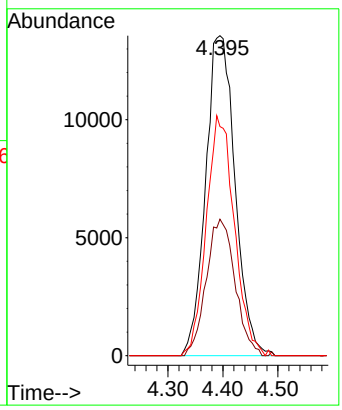


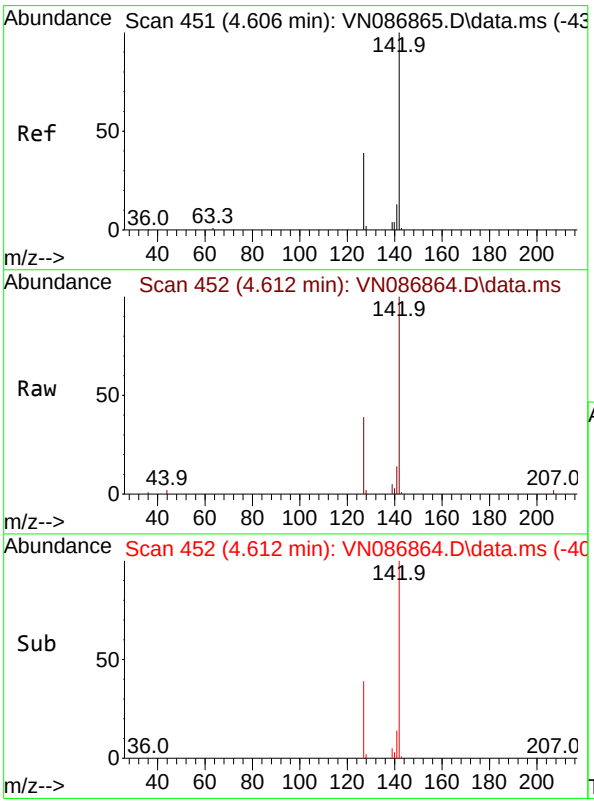
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.661 ug/l
RT: 4.395 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 50458

Ion	Ratio	Lower	Upper
101	100		
85	41.7	33.8	50.8
151	71.3	58.7	88.1

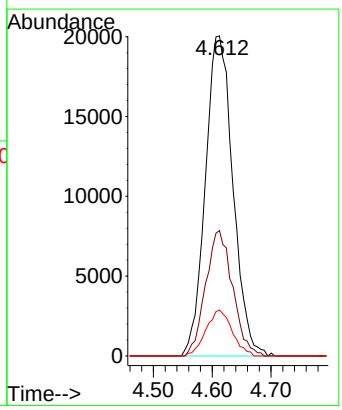


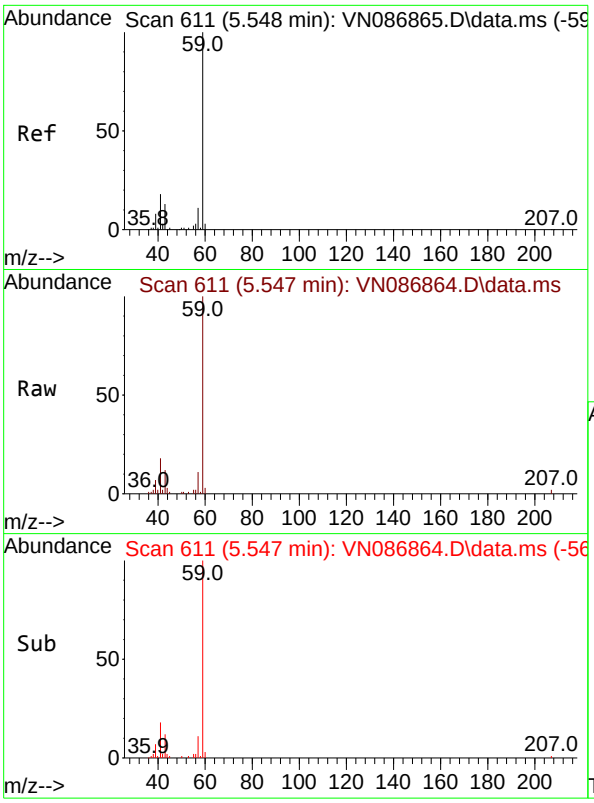


#10
Methyl Iodide
Concen: 20.646 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:142 Resp: 65360

Ion	Ratio	Lower	Upper
142	100		
127	39.2	30.9	46.3
141	14.3	10.4	15.6



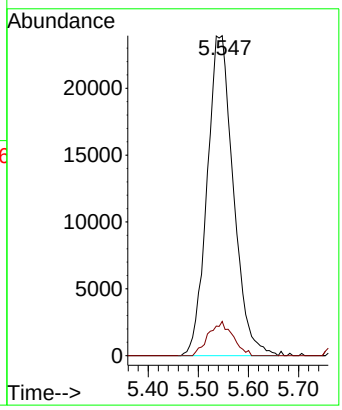


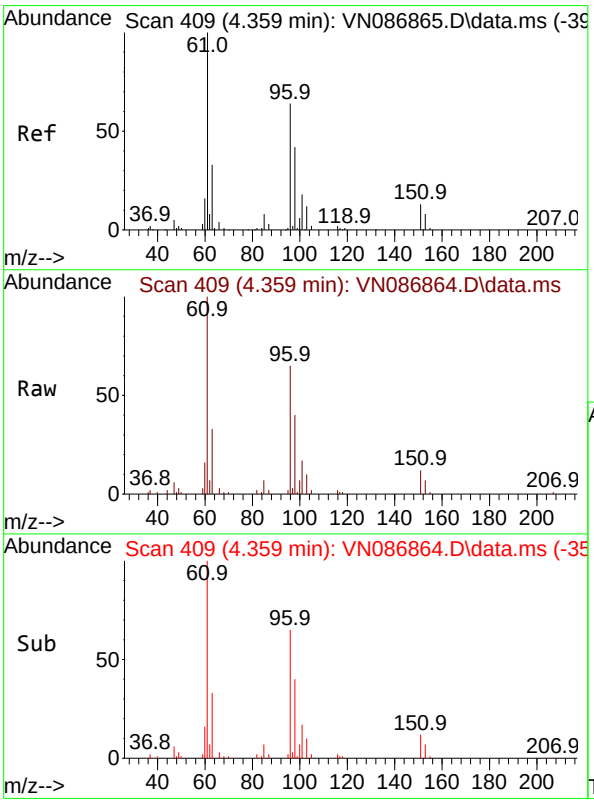
#11
Tert butyl alcohol
Concen: 107.031 ug/l
RT: 5.547 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 87102

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.1	12.1

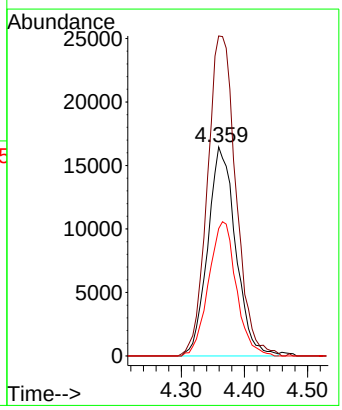


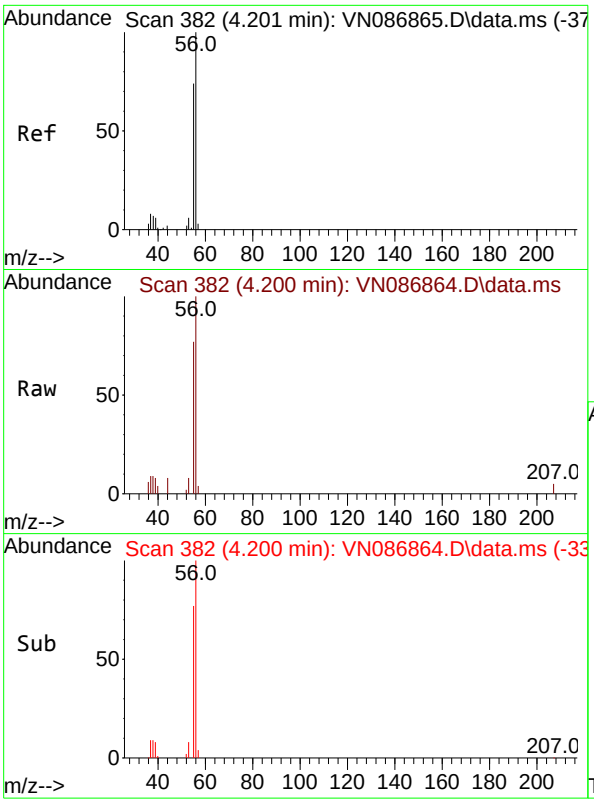


#12
1,1-Dichloroethene
Concen: 20.249 ug/l
RT: 4.359 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 96 Resp: 50485

Ion	Ratio	Lower	Upper
96	100		
61	153.1	125.8	188.6
98	61.0	52.5	78.7



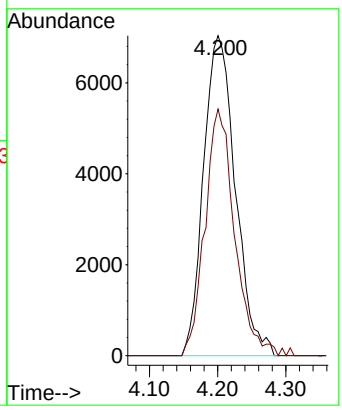


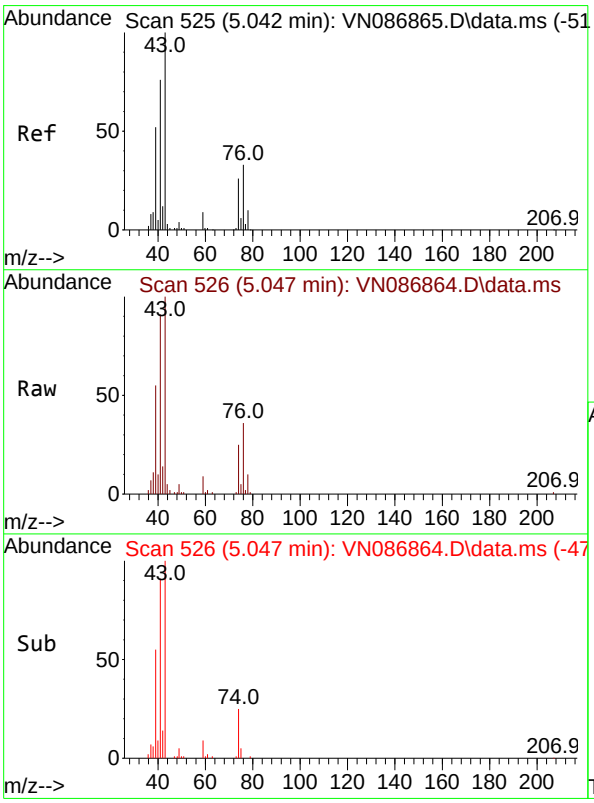
#13
Acrolein
Concen: 88.767 ug/l
RT: 4.200 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 22866

Ion	Ratio	Lower	Upper
56	100		
55	71.6	55.6	83.4

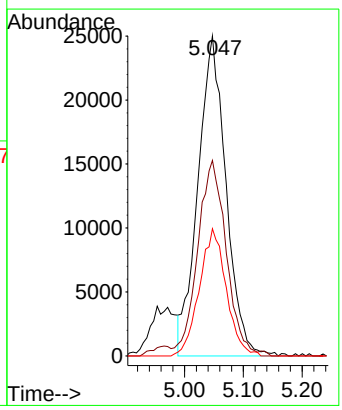


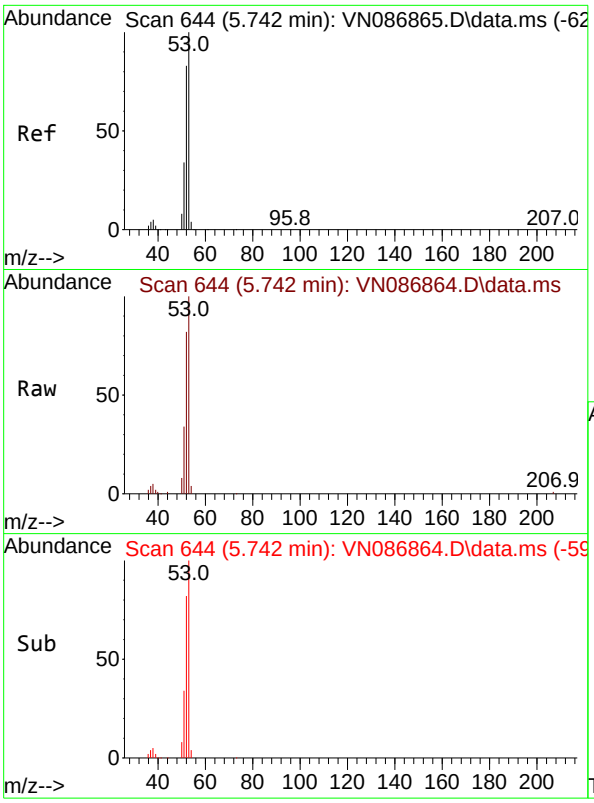


#14
Allyl chloride
Concen: 20.055 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 41 Resp: 82924

Ion	Ratio	Lower	Upper
41	100		
39	62.6	51.3	76.9
76	38.1	31.4	47.0



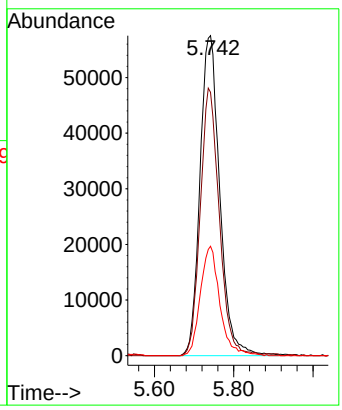


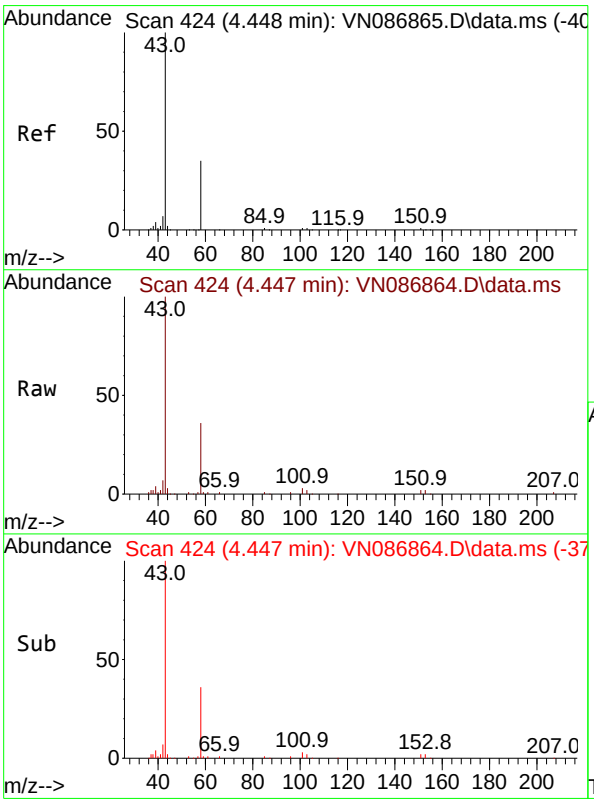
#15
Acrylonitrile
Concen: 104.881 ug/l
RT: 5.742 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 199498

Ion	Ratio	Lower	Upper
53	100		
52	80.3	65.0	97.6
51	33.7	27.2	40.8

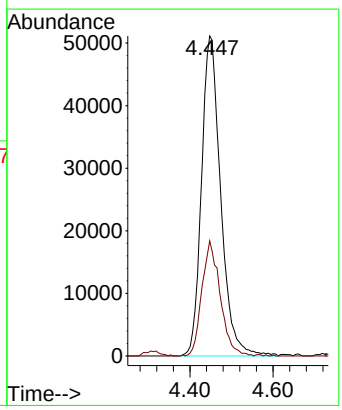


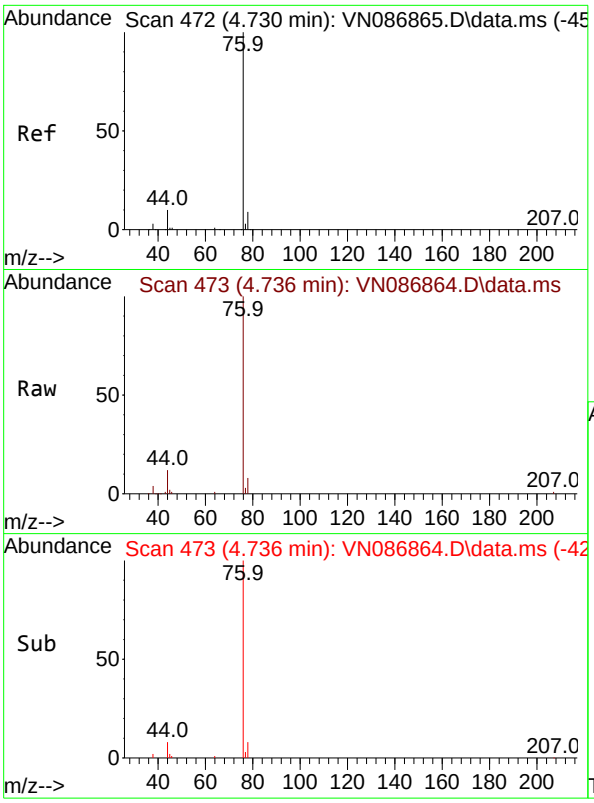


#16
Acetone
Concen: 103.099 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 43 Resp: 163979

Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.0	42.0



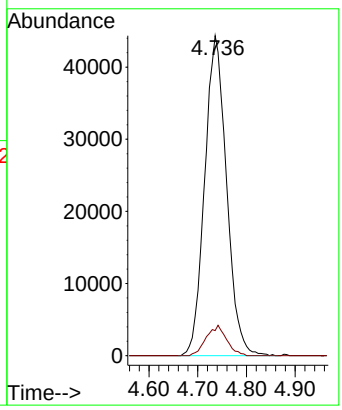


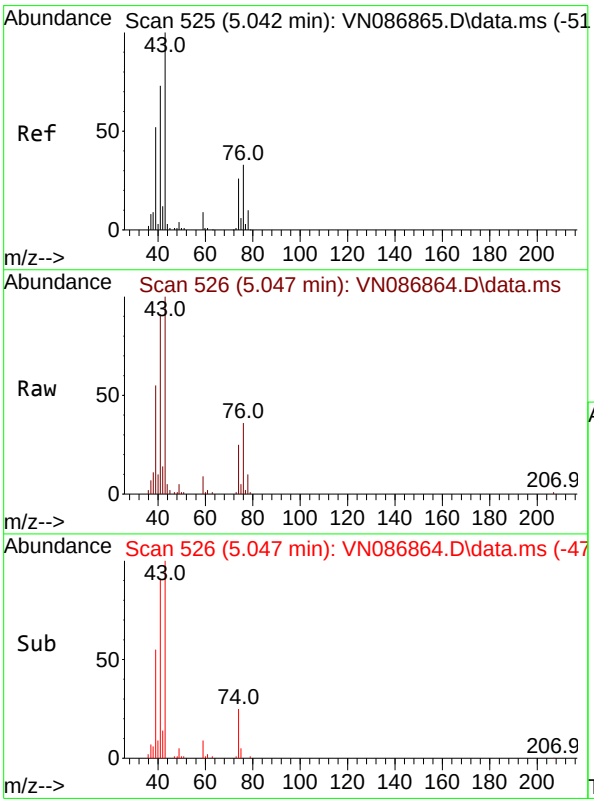
#17
Carbon Disulfide
Concen: 20.038 ug/l
RT: 4.736 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 138195

Ion	Ratio	Lower	Upper
76	100		
78	7.8	7.3	10.9

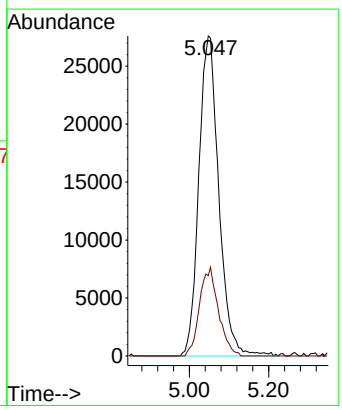


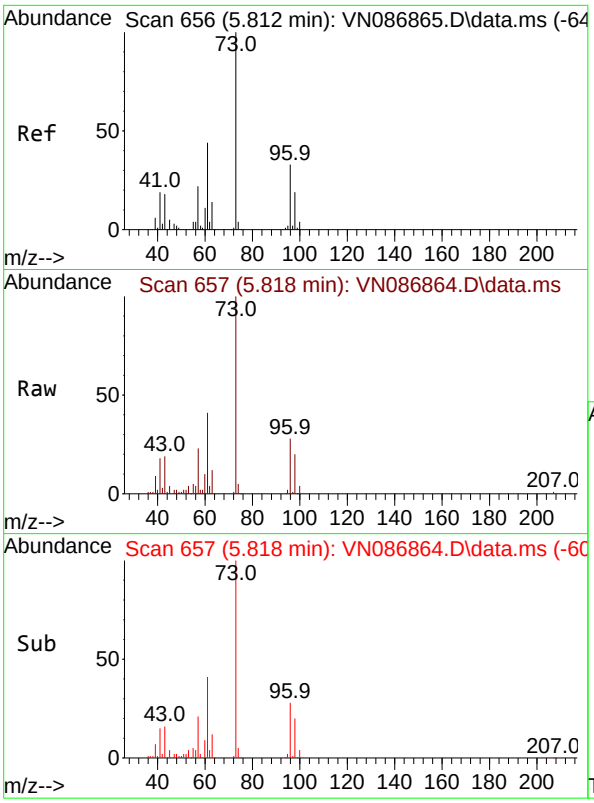


#18
Methyl Acetate
Concen: 20.830 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 43 Resp: 96547

Ion	Ratio	Lower	Upper
43	100		
74	26.2	20.7	31.1



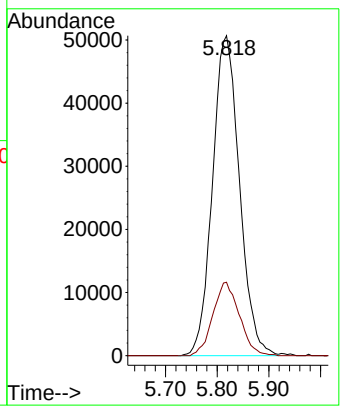


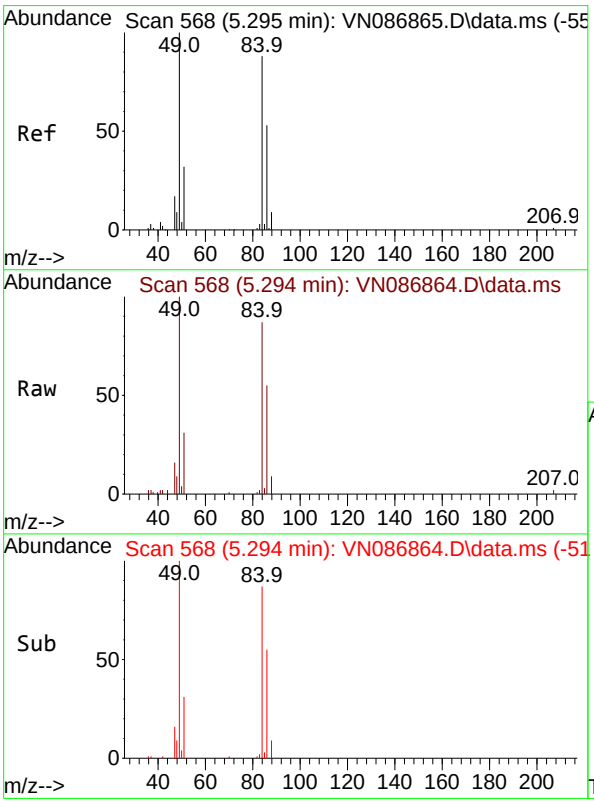
#19
Methyl tert-butyl Ether
Concen: 20.358 ug/l
RT: 5.818 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 183780

Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.4	26.2

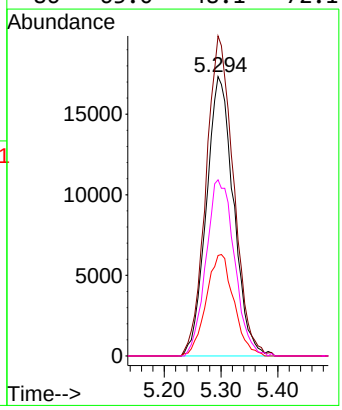


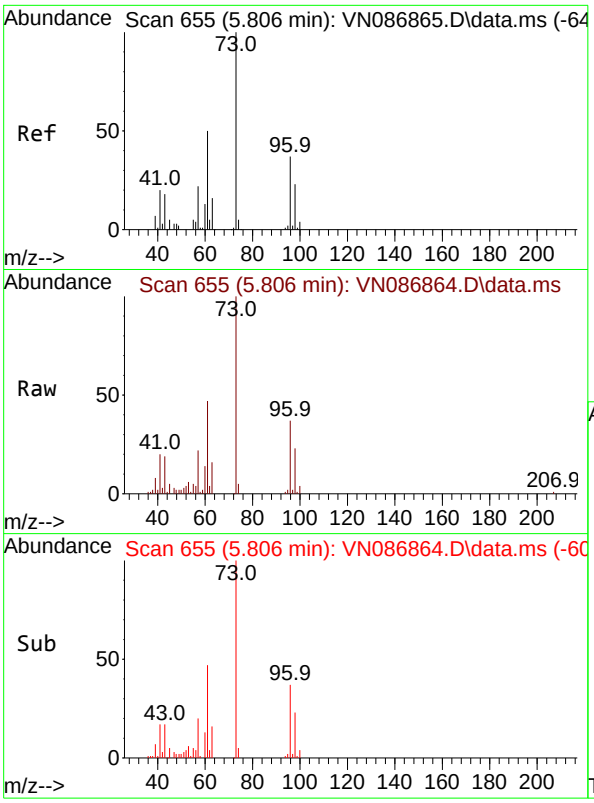


#20
Methylene Chloride
Concen: 19.348 ug/l
RT: 5.294 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 84 Resp: 57611

Ion	Ratio	Lower	Upper
84	100		
49	114.5	90.5	135.7
51	35.9	28.5	42.7
86	63.0	48.1	72.1



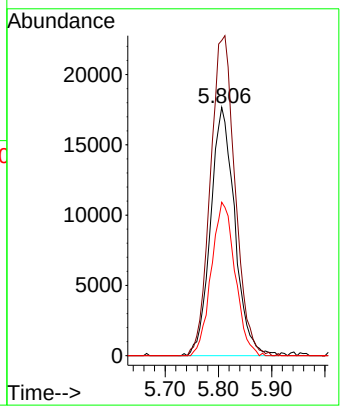


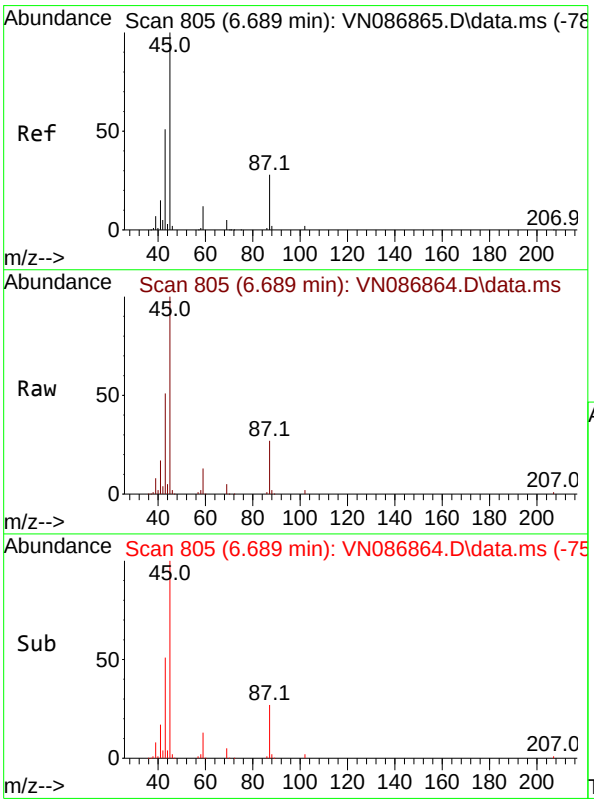
#21
trans-1,2-Dichloroethene
Concen: 20.059 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 55643

Ion	Ratio	Lower	Upper
96	100		
61	126.9	109.2	163.8
98	61.8	49.8	74.8

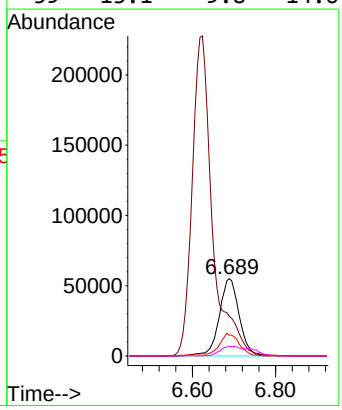


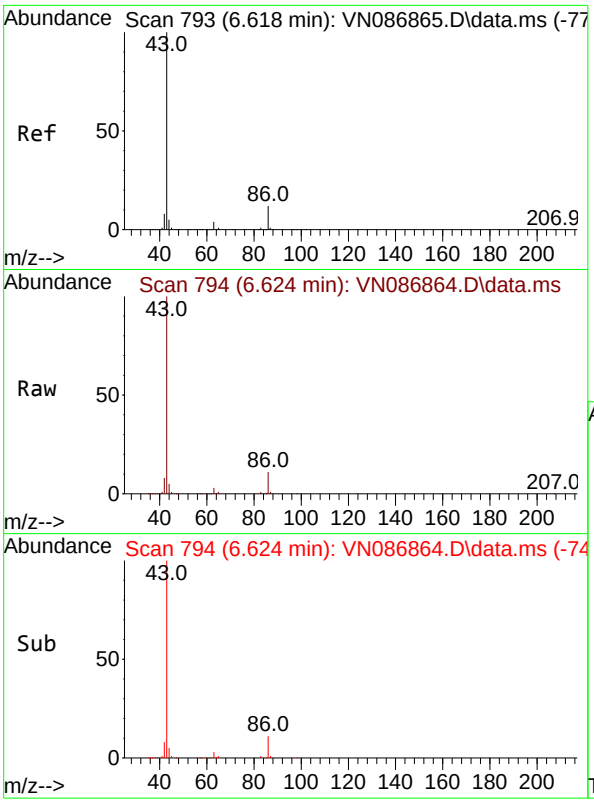


#22
Diisopropyl ether
Concen: 20.935 ug/l
RT: 6.689 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 45 Resp: 182472

Ion	Ratio	Lower	Upper
45	100		
43	50.7	41.9	62.9
87	27.0	22.4	33.6
59	13.1	9.8	14.6



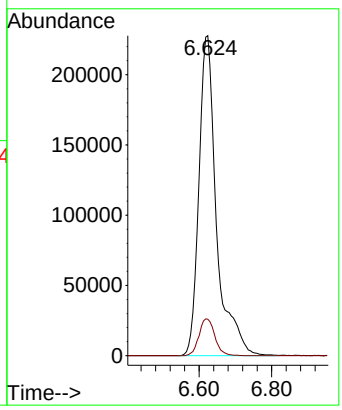


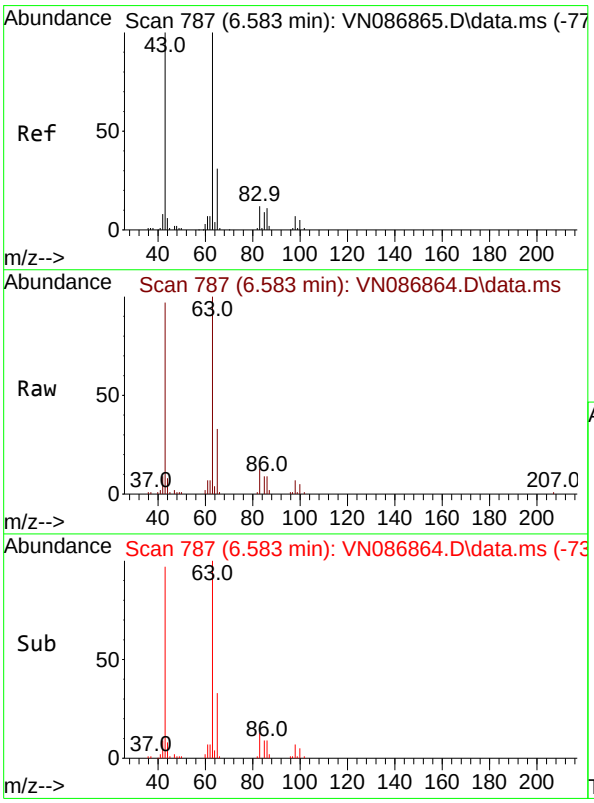
#23
Vinyl Acetate
Concen: 104.365 ug/l
RT: 6.624 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 768556

Ion	Ratio	Lower	Upper
43	100		
86	11.4	9.5	14.3

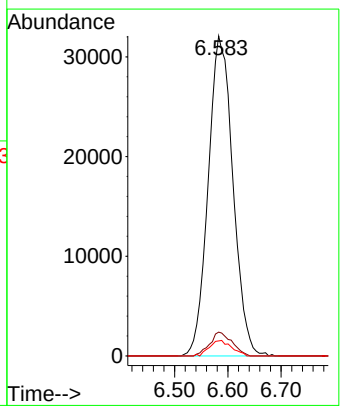


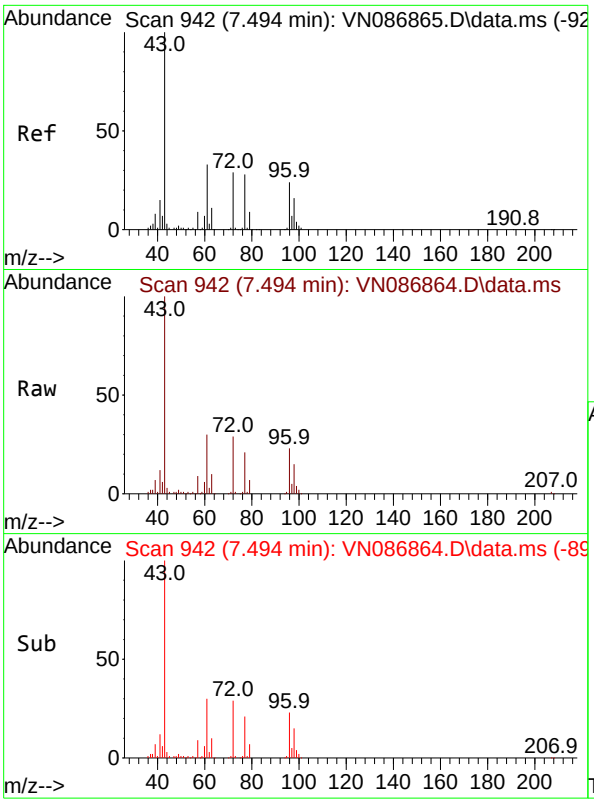


#24
1,1-Dichloroethane
Concen: 20.650 ug/l
RT: 6.583 min Scan# 787
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 63 Resp: 103578

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.6	10.8
100	4.7	2.6	7.8



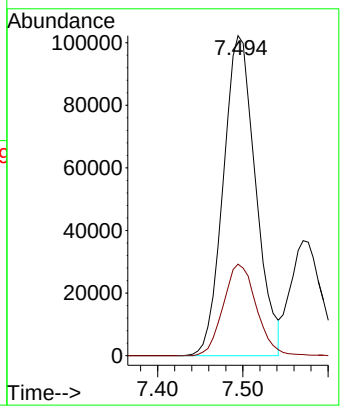


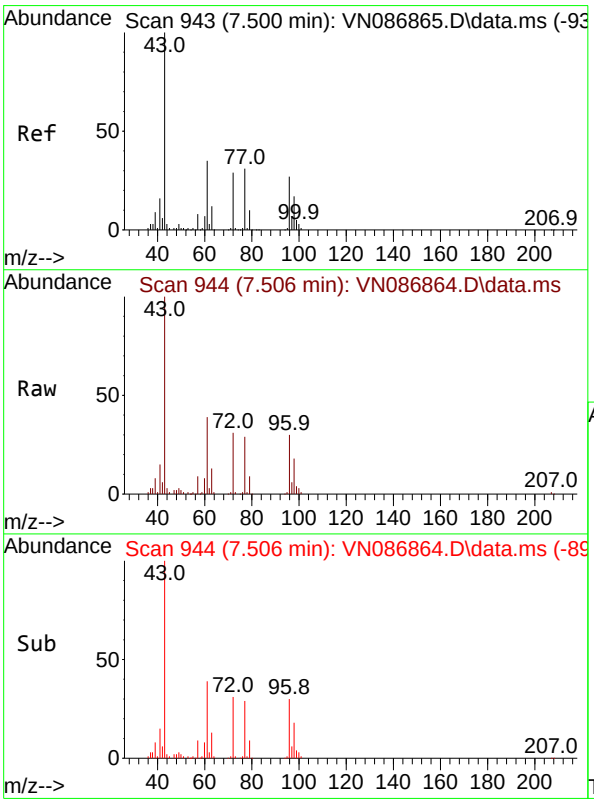
#25
2-Butanone
Concen: 104.621 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 270477

Ion	Ratio	Lower	Upper
43	100		
72	28.6	23.0	34.6

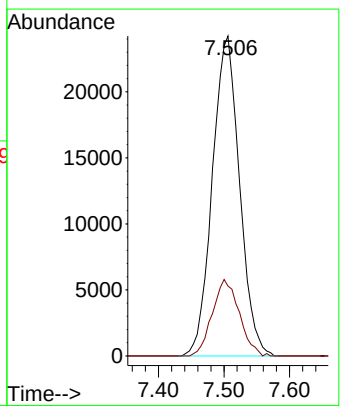


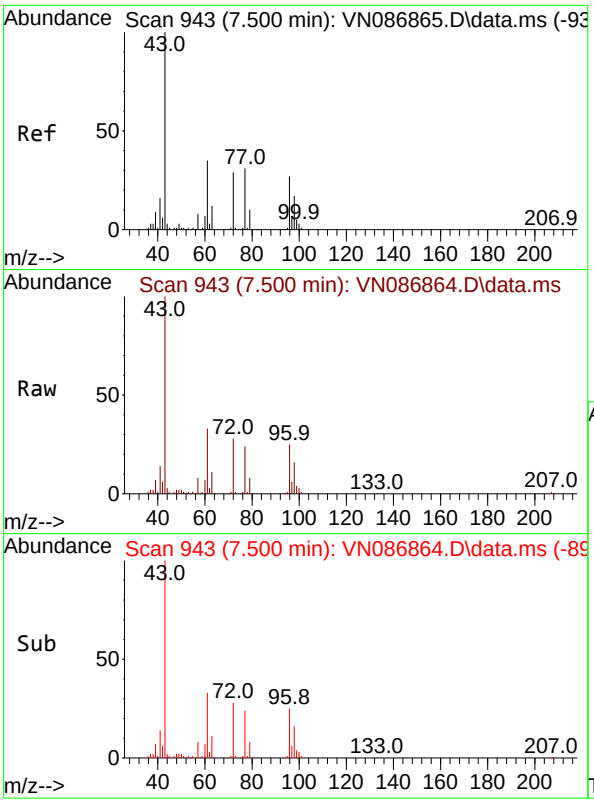


#26
2,2-Dichloropropane
Concen: 17.862 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 77 Resp: 69692

Ion	Ratio	Lower	Upper
77	100		
97	23.7	11.6	34.7



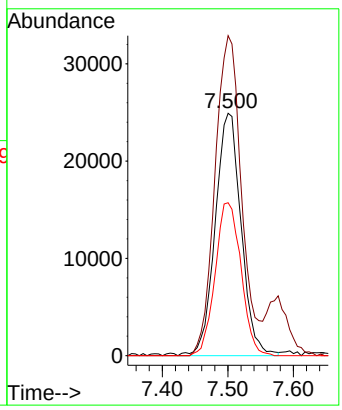


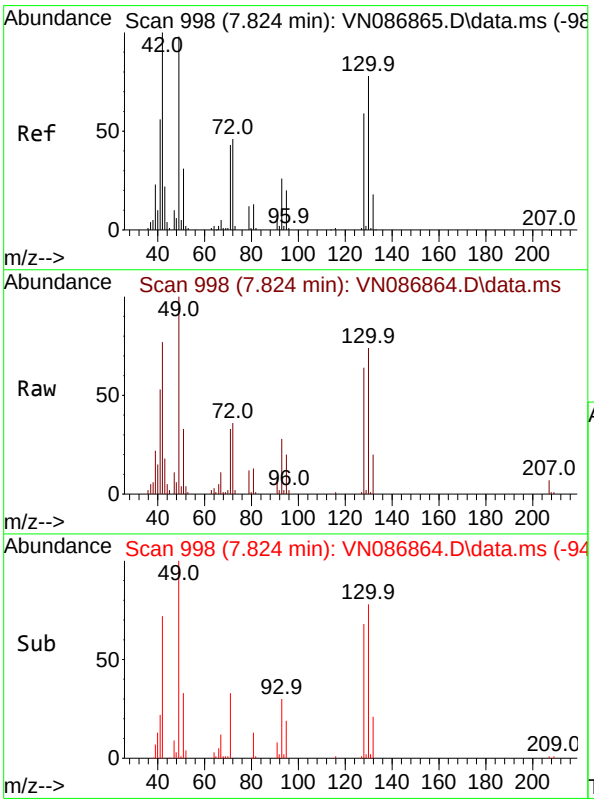
#27
cis-1,2-Dichloroethene
Concen: 20.585 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 68292

Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	278.0
98	63.0	0.0	128.2

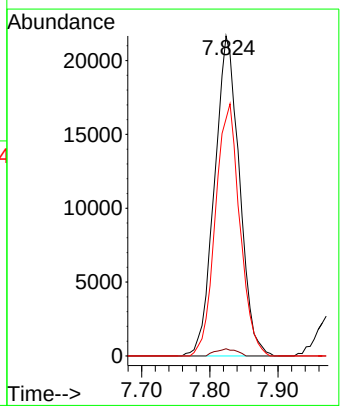


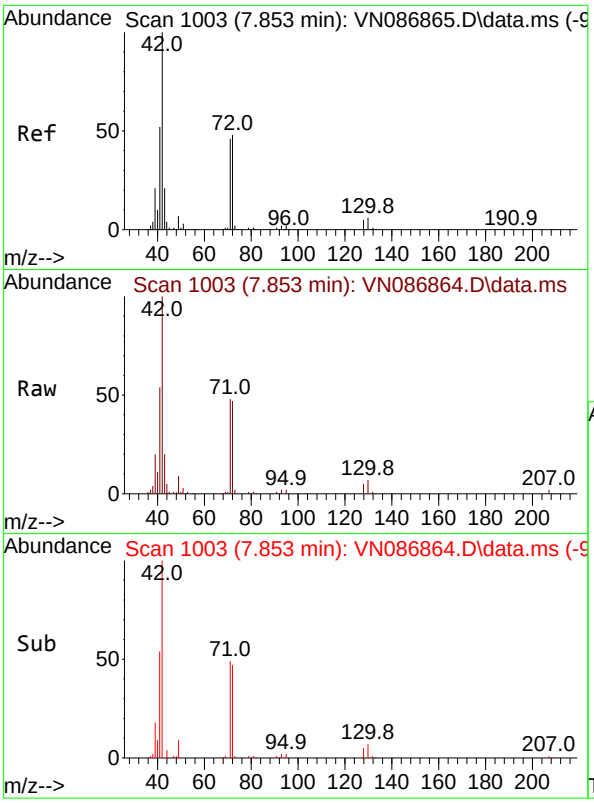


#28
Bromochloromethane
Concen: 22.381 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 49 Resp: 55196

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	77.1	62.2	93.2



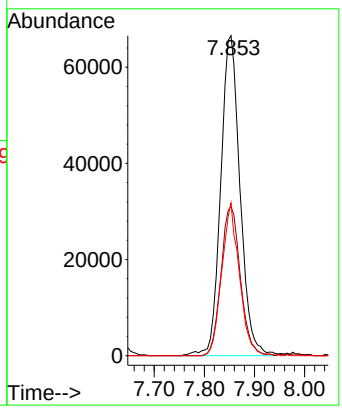


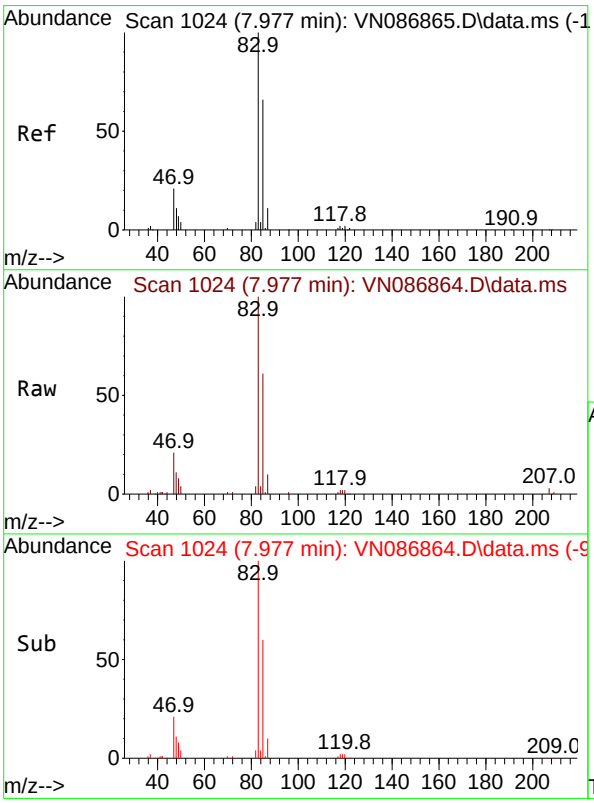
#29
Tetrahydrofuran
Concen: 106.031 ug/l
RT: 7.853 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 178571

Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.8	56.6
71	43.5	35.6	53.4

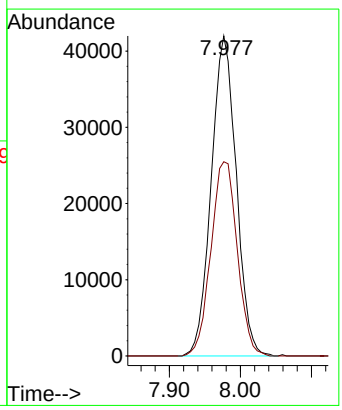


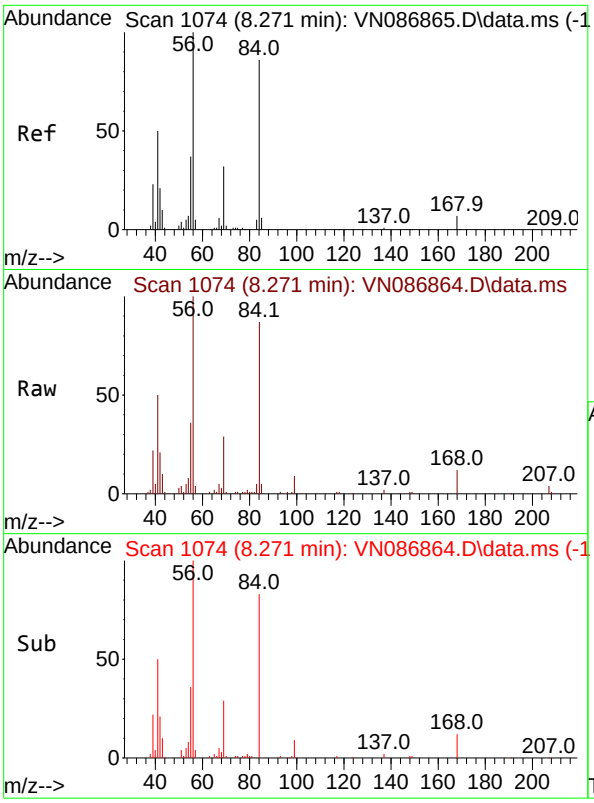


#30
Chloroform
Concen: 20.485 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 83 Resp: 102615

Ion	Ratio	Lower	Upper
83	100		
85	60.7	52.9	79.3



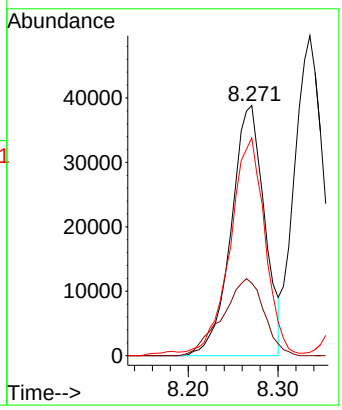


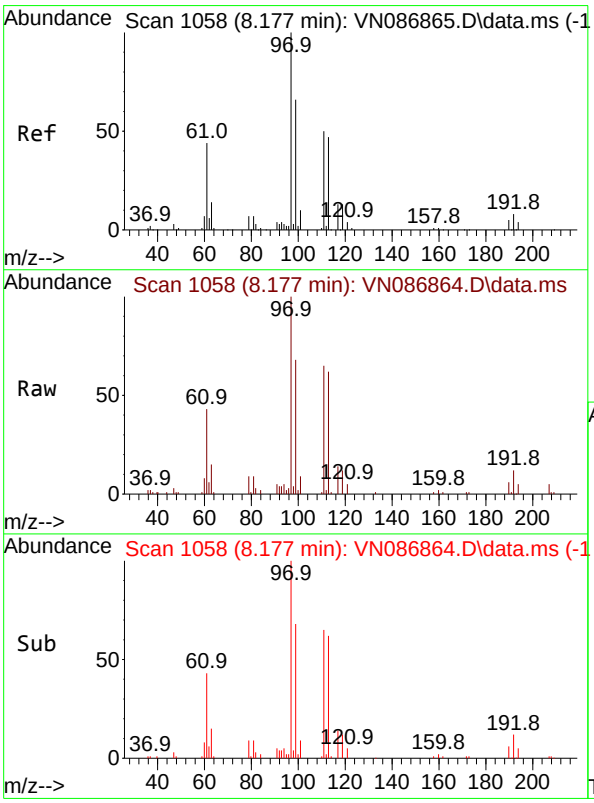
#31
Cyclohexane
Concen: 20.563 ug/l
RT: 8.271 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 100026

Ion	Ratio	Lower	Upper
56	100		
69	29.0	25.4	38.0
84	85.6	68.8	103.2

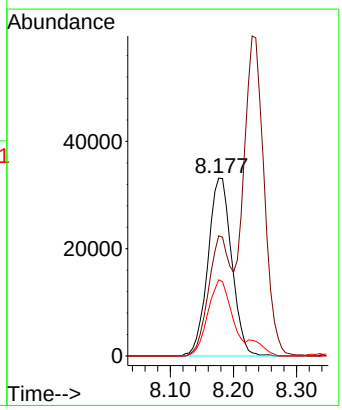


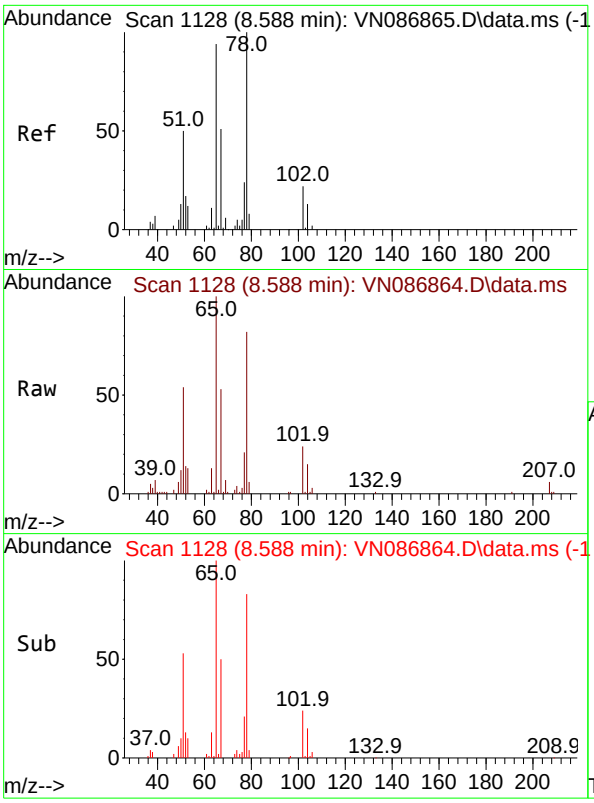


#32
1,1,1-Trichloroethane
Concen: 20.376 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 97 Resp: 86810

Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.0	78.0
61	43.3	35.9	53.9



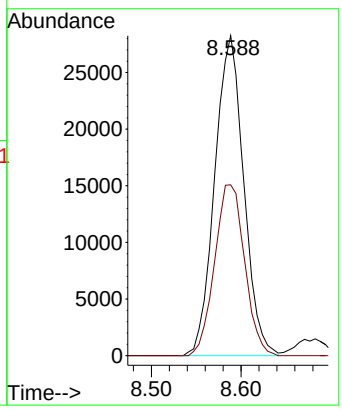


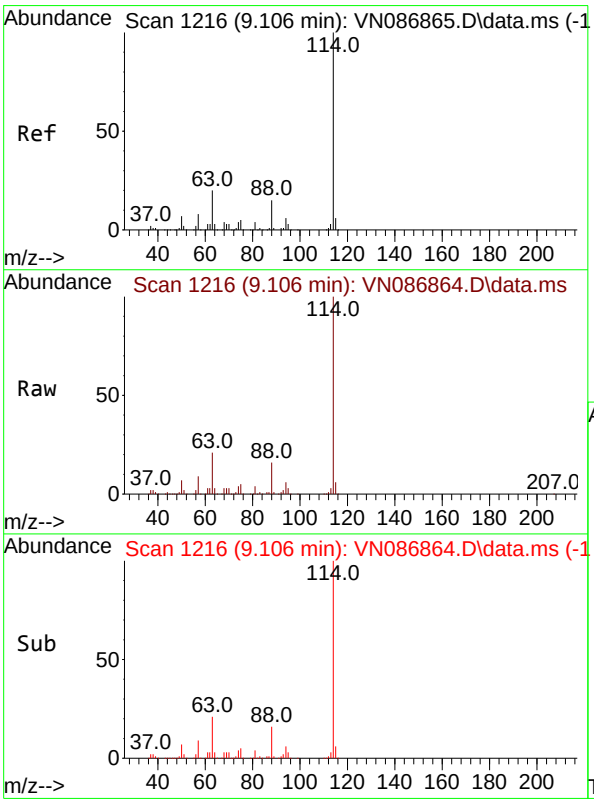
#33
1,2-Dichloroethane-d4
Concen: 21.136 ug/l
RT: 8.588 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 63390

Ion	Ratio	Lower	Upper
65	100		
67	55.3	0.0	105.6

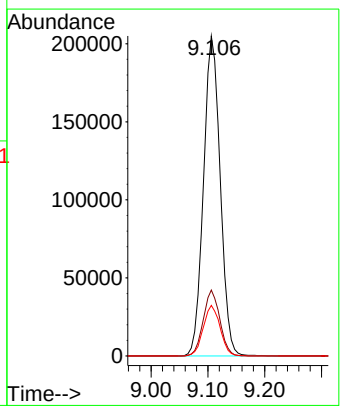


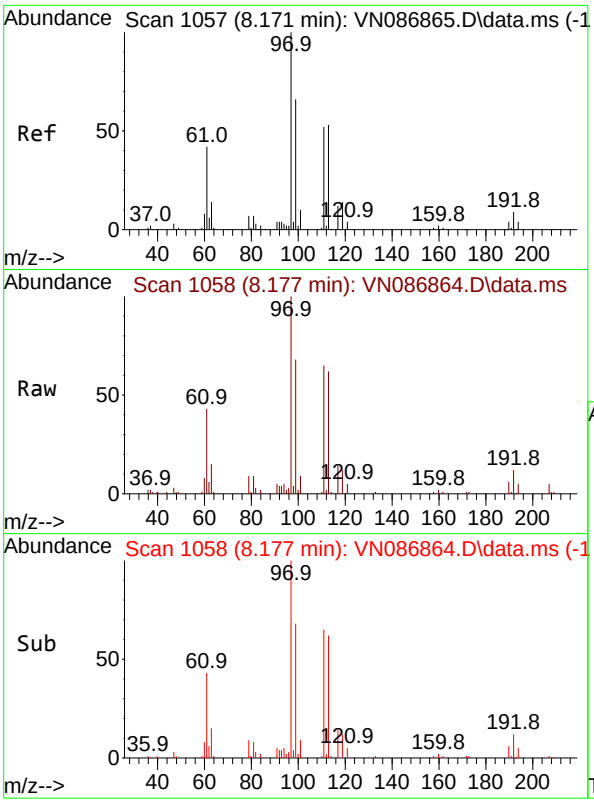


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:114 Resp: 418154

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	39.6
88	15.8	0.0	30.2



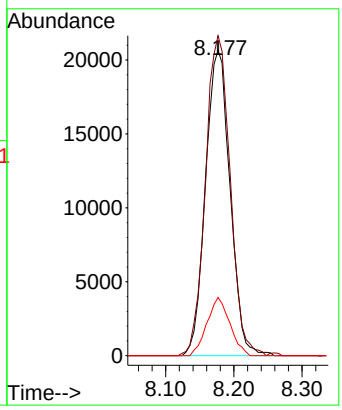


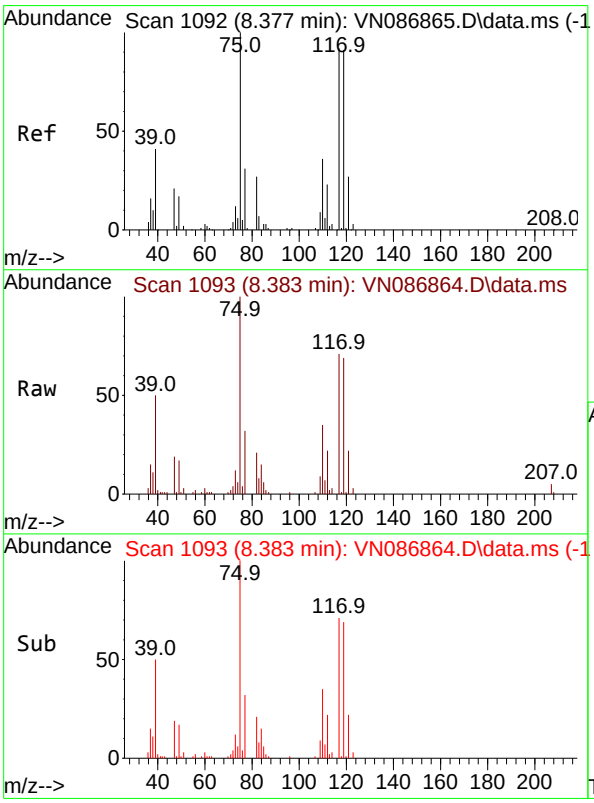
#35
Dibromofluoromethane
Concen: 20.902 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 51797

Ion	Ratio	Lower	Upper
113	100		
111	105.1	84.2	126.2
192	17.7	14.2	21.4

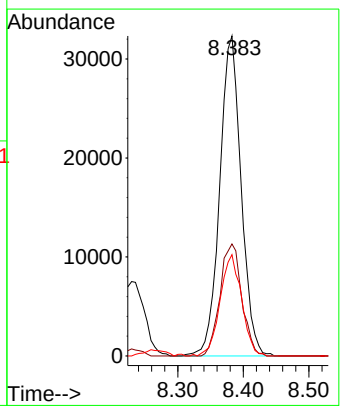


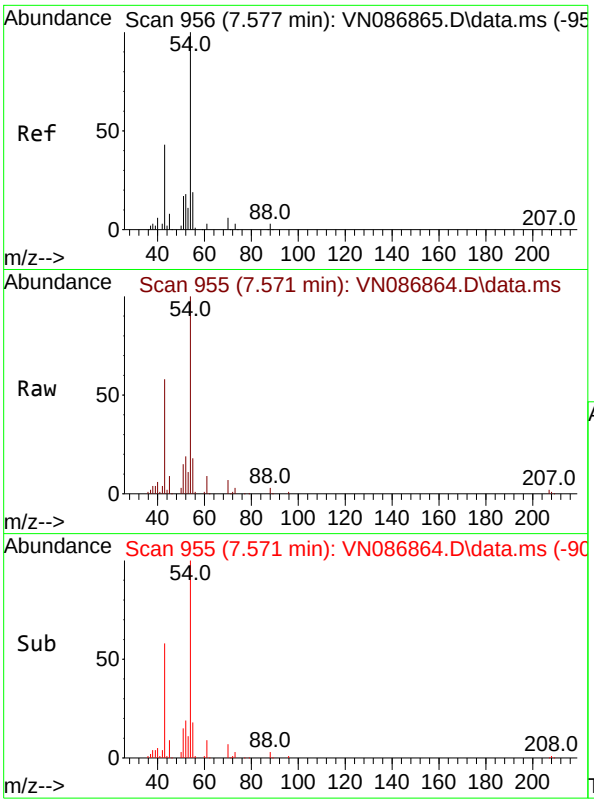


#36
1,1-Dichloropropene
Concen: 19.838 ug/l
RT: 8.383 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 75 Resp: 73252

Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.6	52.9
77	31.8	25.3	37.9



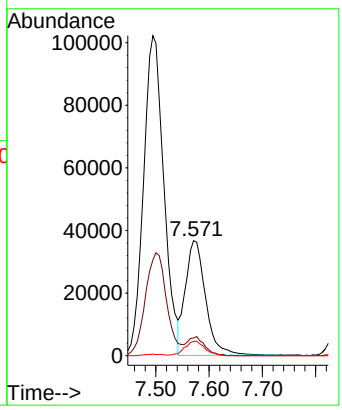


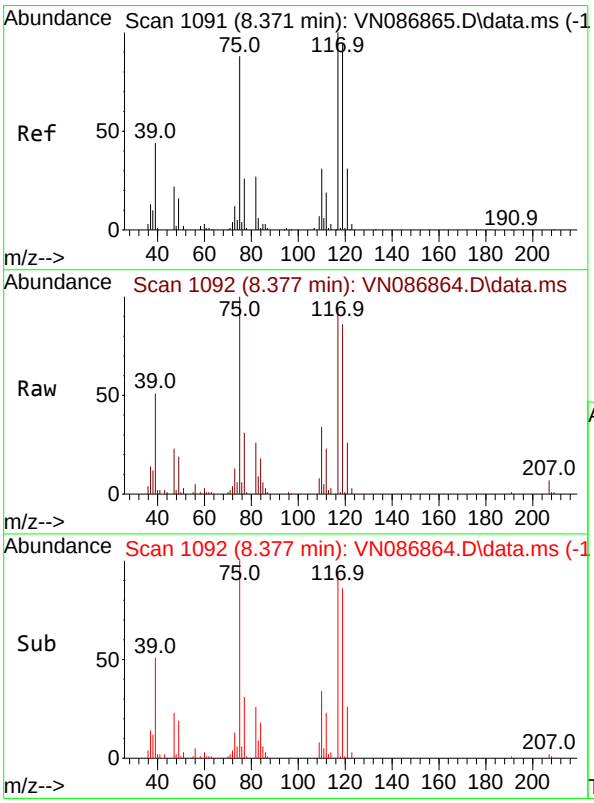
#37
Ethyl Acetate
Concen: 20.522 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 96467

Ion	Ratio	Lower	Upper
43	100		
61	13.9	12.1	18.1
70	12.6	9.8	14.6

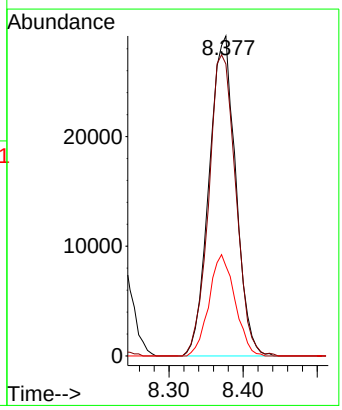


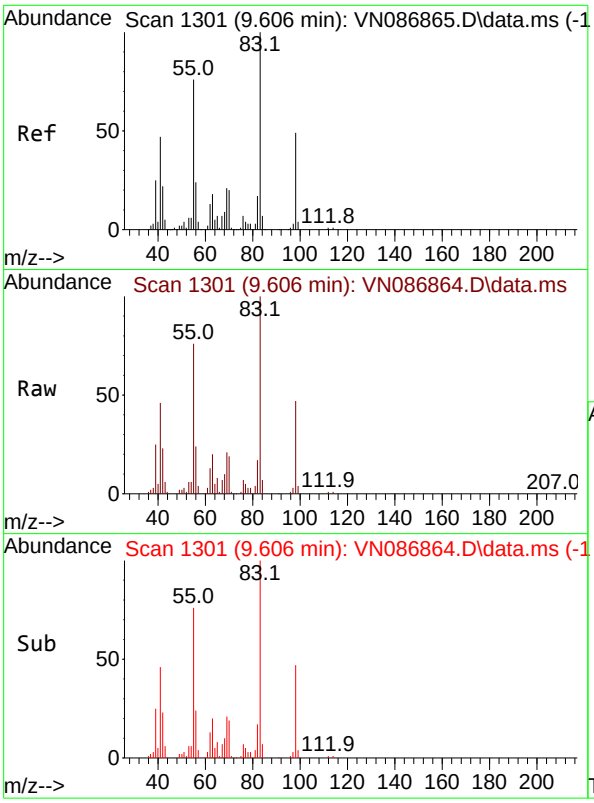


#38
Carbon Tetrachloride
Concen: 20.034 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:117 Resp: 72628

Ion	Ratio	Lower	Upper
117	100		
119	91.3	75.0	112.6
121	28.1	24.9	37.3



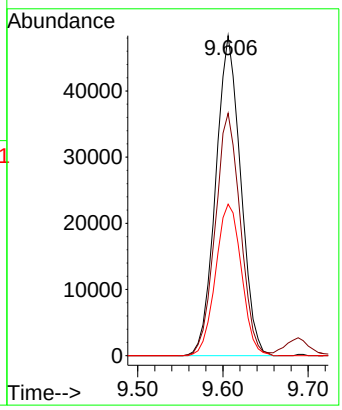


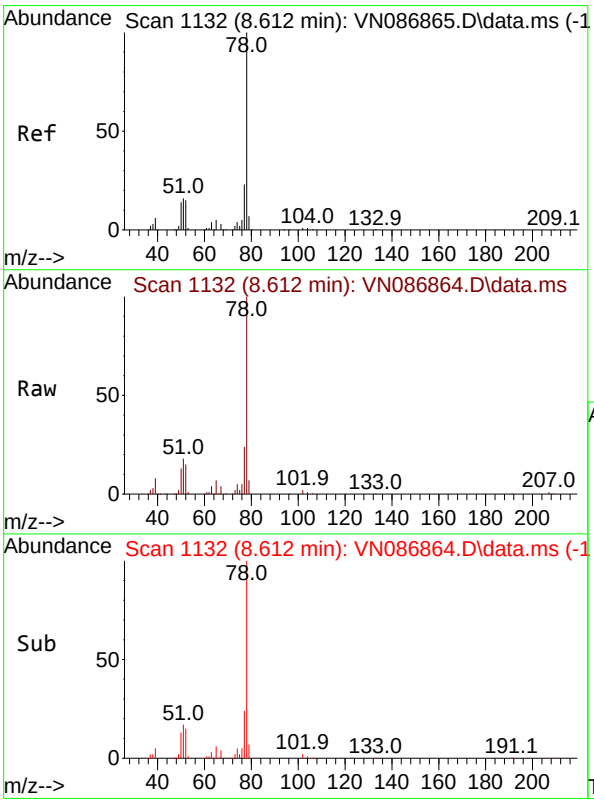
#39
Methylcyclohexane
Concen: 19.455 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 98425

Ion	Ratio	Lower	Upper
83	100		
55	75.7	61.0	91.6
98	47.4	38.9	58.3

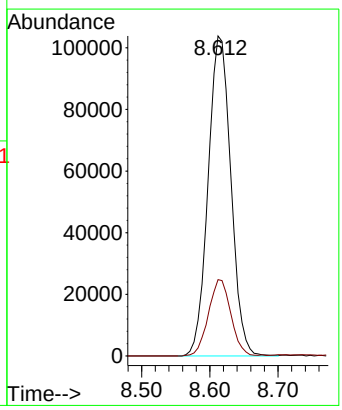


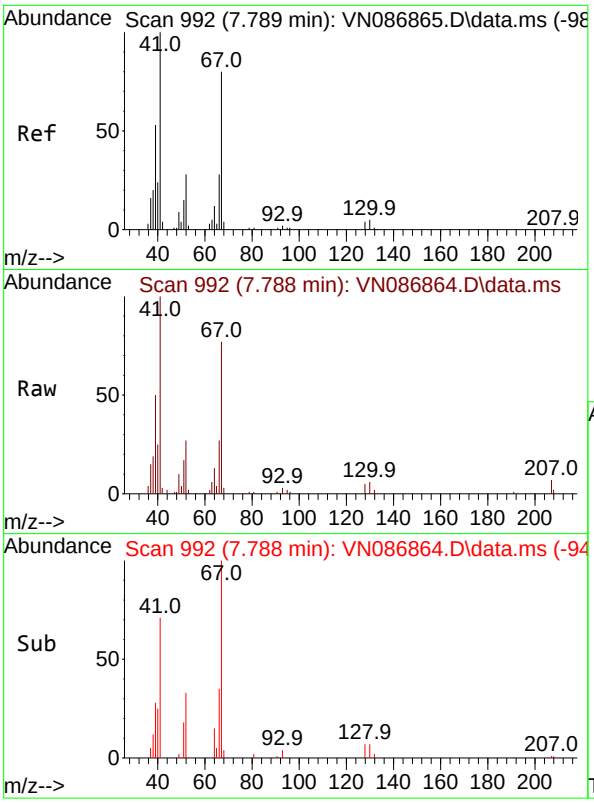


#40
Benzene
Concen: 19.996 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 78 Resp: 241444

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.7	28.1



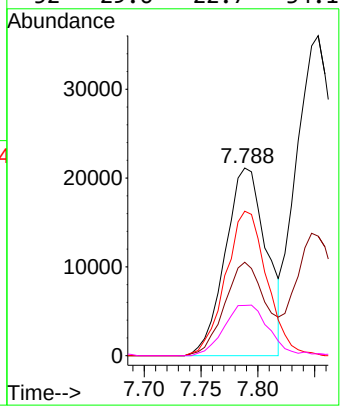


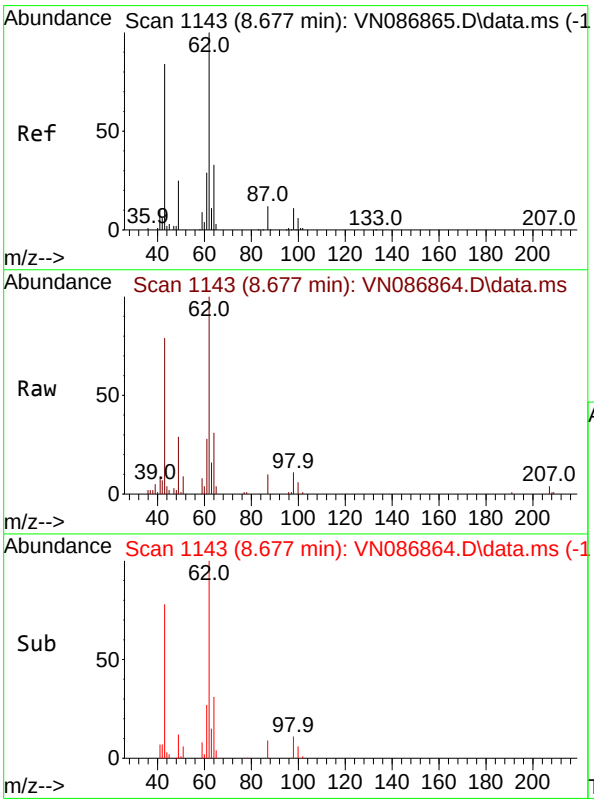
#41
Methacrylonitrile
Concen: 20.169 ug/l
RT: 7.788 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 53244

Ion	Ratio	Lower	Upper
41	100		
39	49.5	41.2	61.8
67	77.3	61.4	92.2
52	29.6	22.7	34.1

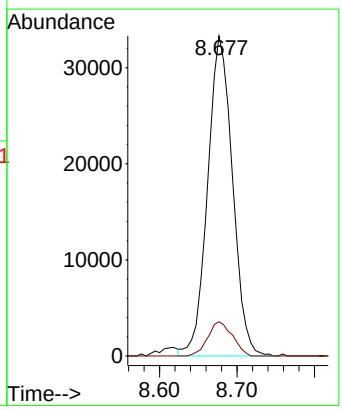


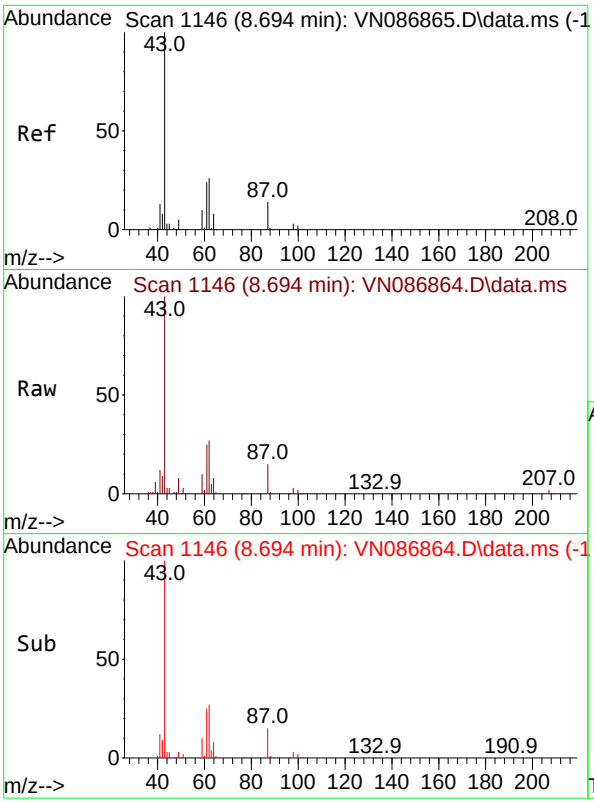


#42
1,2-Dichloroethane
Concen: 20.270 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 62 Resp: 74238

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.2



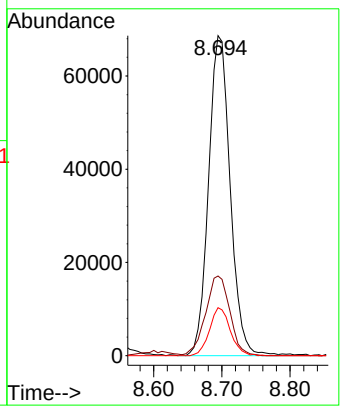


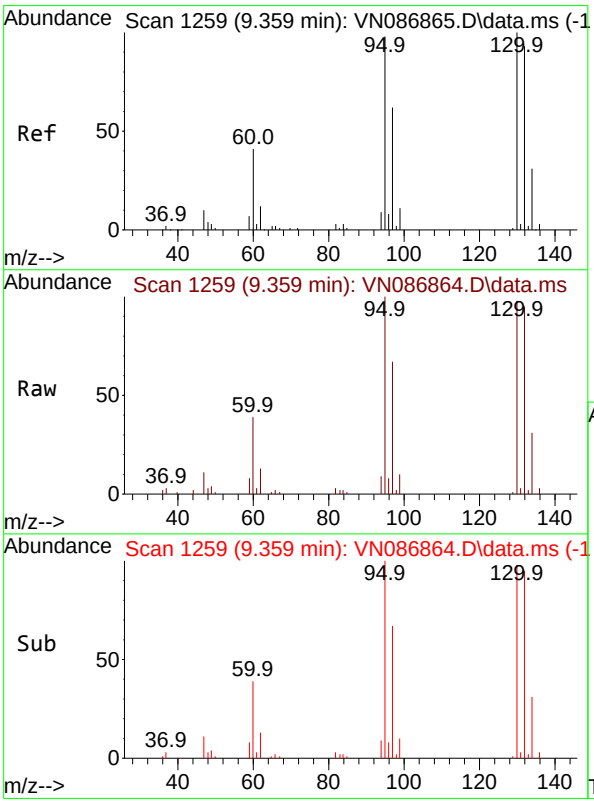
#43
Isopropyl Acetate
Concen: 20.094 ug/l
RT: 8.694 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 151601

Ion	Ratio	Lower	Upper
43	100		
61	27.9	22.1	33.1
87	14.4	11.8	17.6

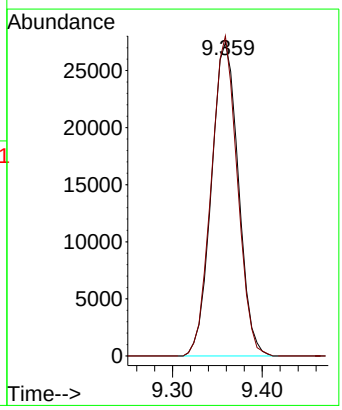


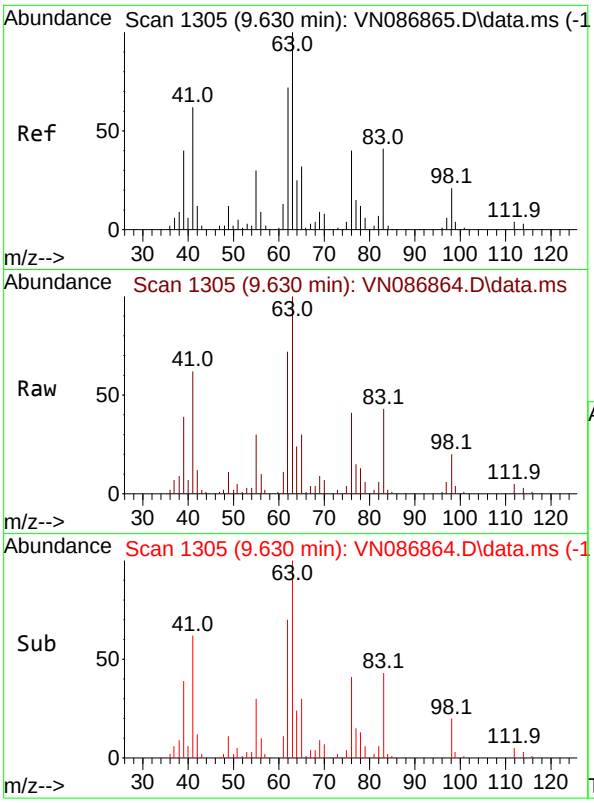


#44
Trichloroethene
Concen: 19.946 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:130 Resp: 57110

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	196.2



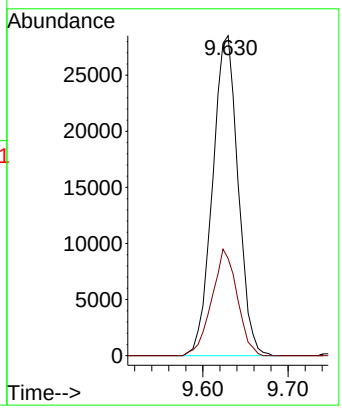


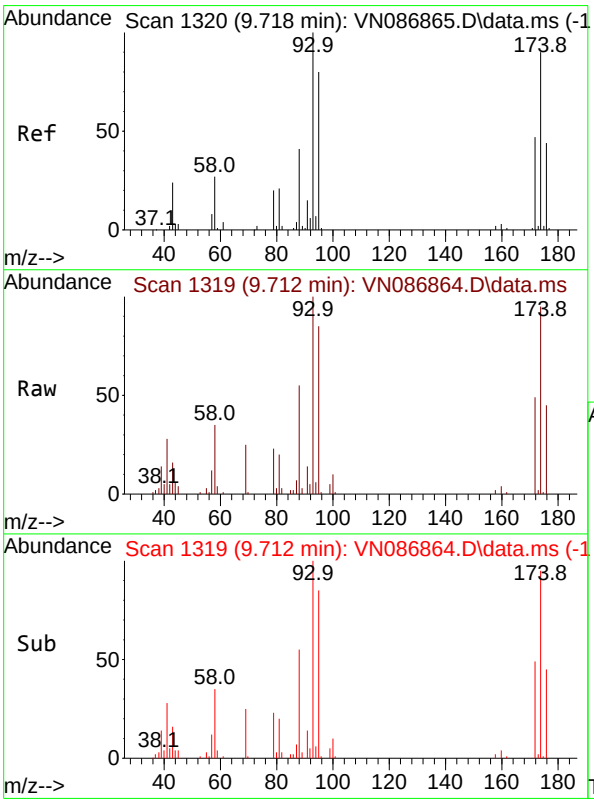
#45
1,2-Dichloropropane
Concen: 20.184 ug/l
RT: 9.630 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 59293

Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.5	38.3

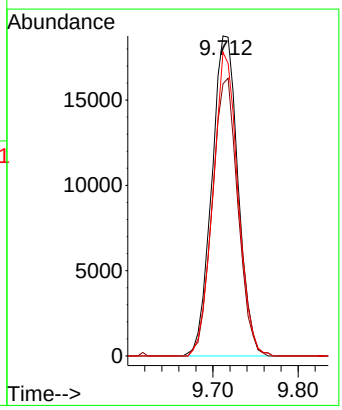


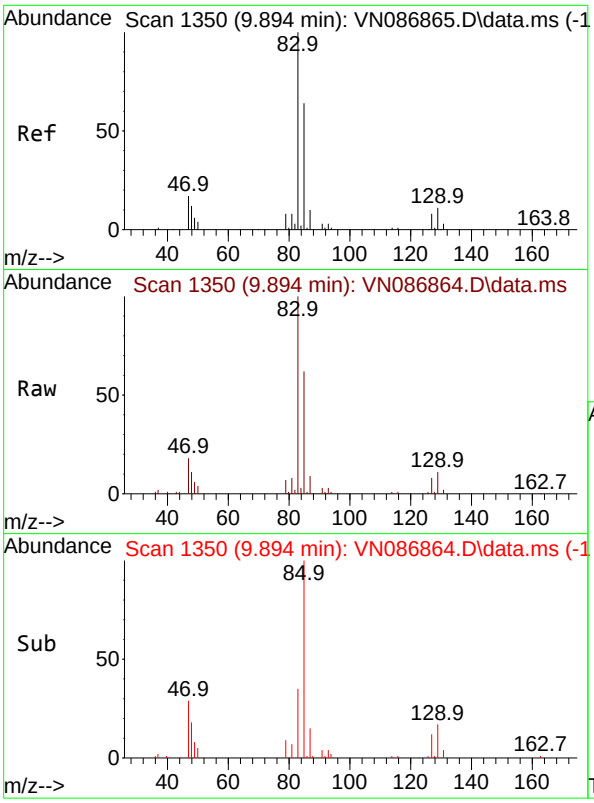


#46
Dibromomethane
Concen: 20.648 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 93 Resp: 40290

Ion	Ratio	Lower	Upper
93	100		
95	84.1	67.1	100.7
174	90.1	74.2	111.4



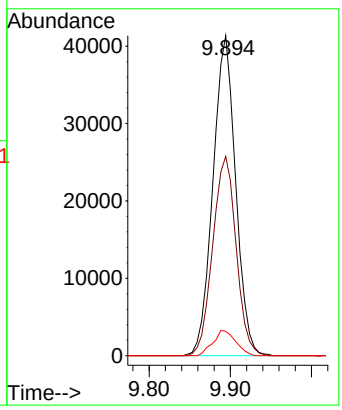


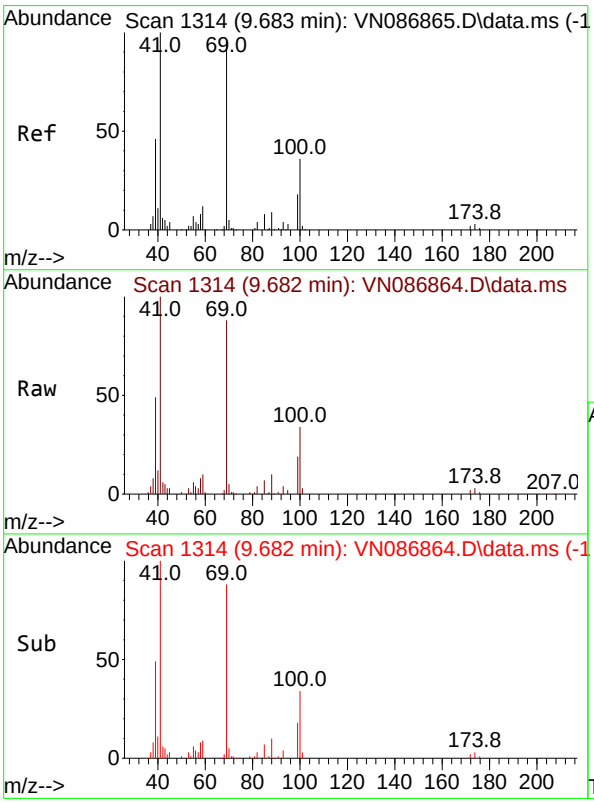
#47
Bromodichloromethane
Concen: 20.015 ug/l
RT: 9.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 80353

Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.9	76.3
127	7.6	6.6	10.0

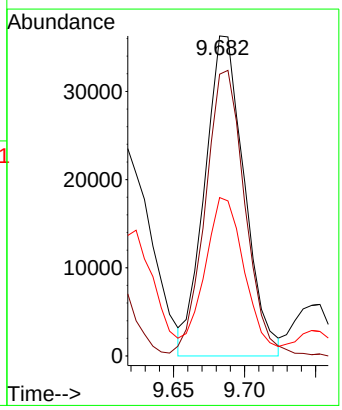


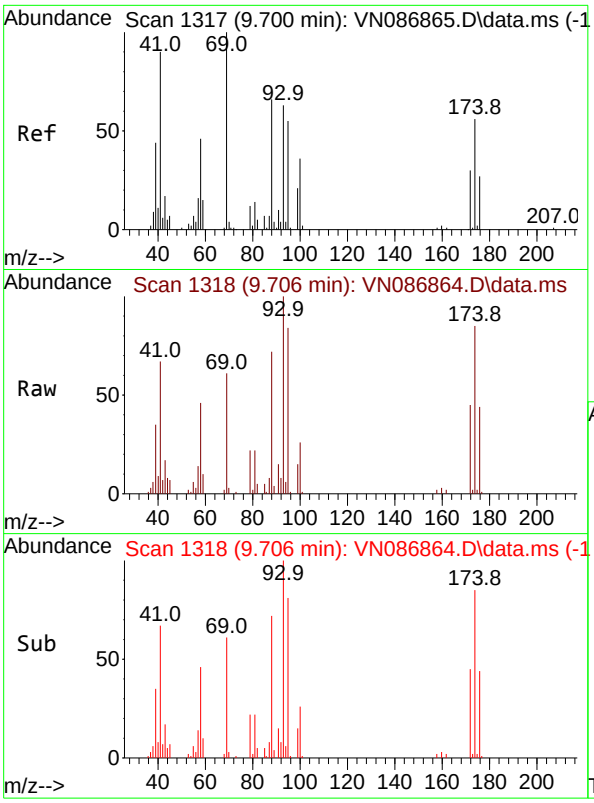


#48
Methyl methacrylate
Concen: 20.290 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 41 Resp: 70457

Ion	Ratio	Lower	Upper
41	100		
69	89.4	74.6	112.0
39	50.3	40.2	60.4



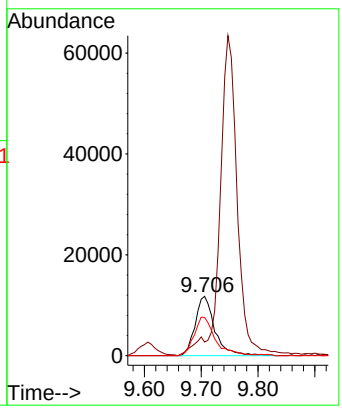


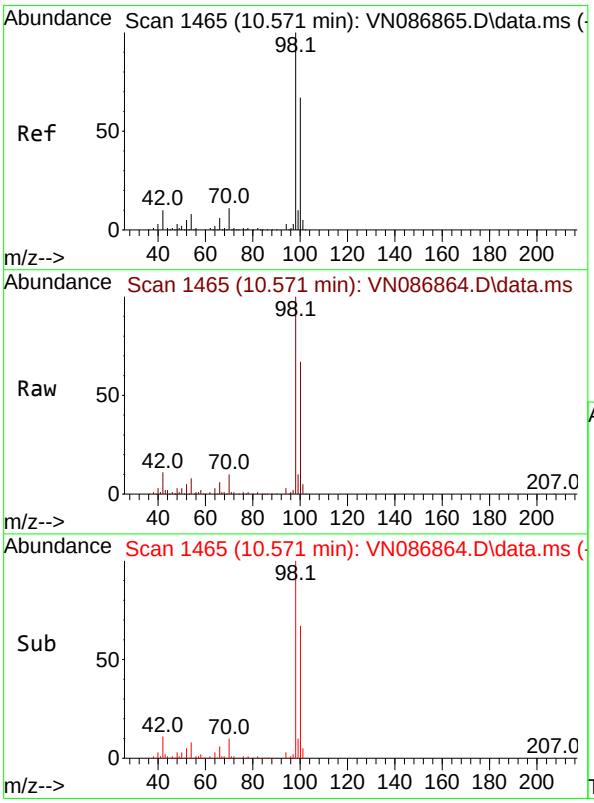
#49
1,4-Dioxane
Concen: 446.886 ug/l
RT: 9.706 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 28231

Ion	Ratio	Lower	Upper
88	100		
43	19.7	0.0	0.0#
58	70.1	57.7	86.5

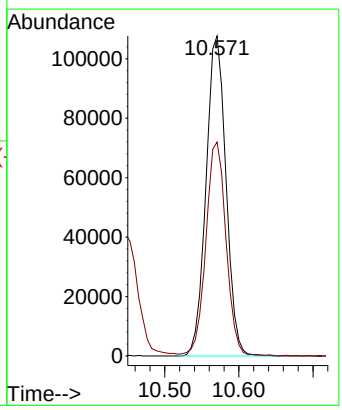


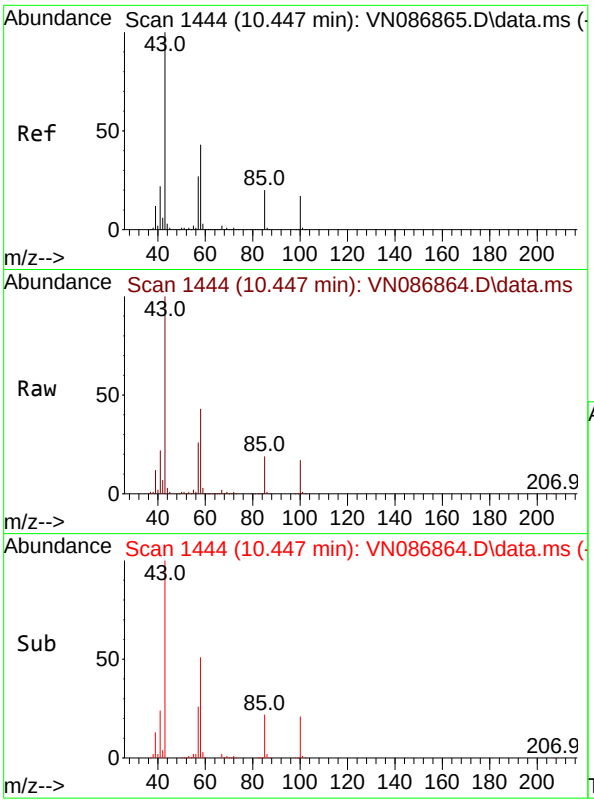


#50
Toluene-d8
Concen: 20.516 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 98 Resp: 201268

Ion	Ratio	Lower	Upper
98	100		
100	67.8	53.4	80.0



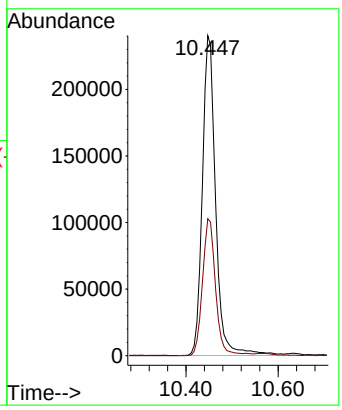


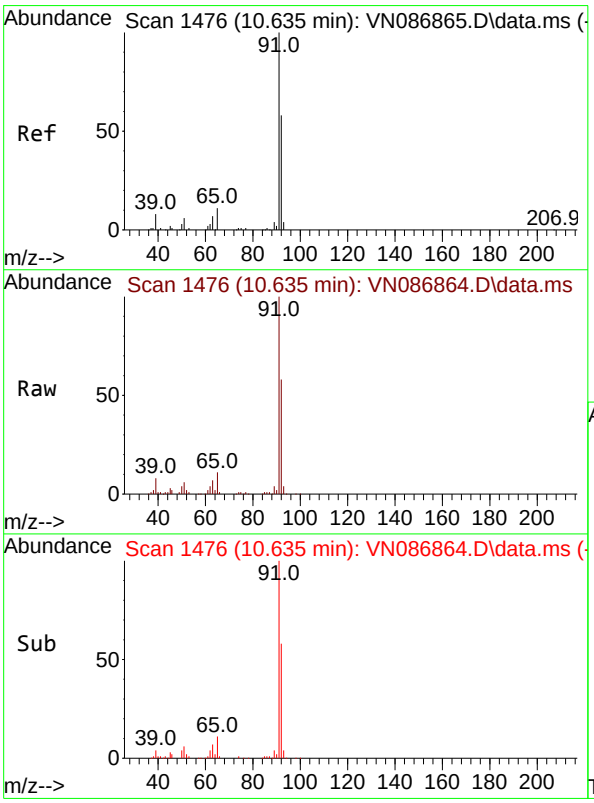
#51
4-Methyl-2-Pentanone
Concen: 106.066 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 481741

Ion	Ratio	Lower	Upper
43	100		
58	42.0	34.2	51.4

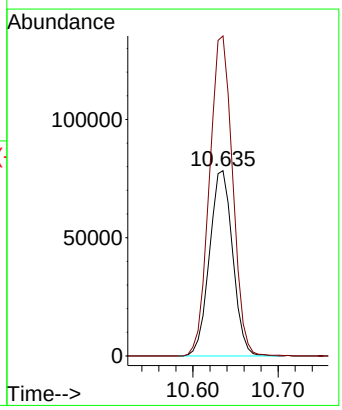


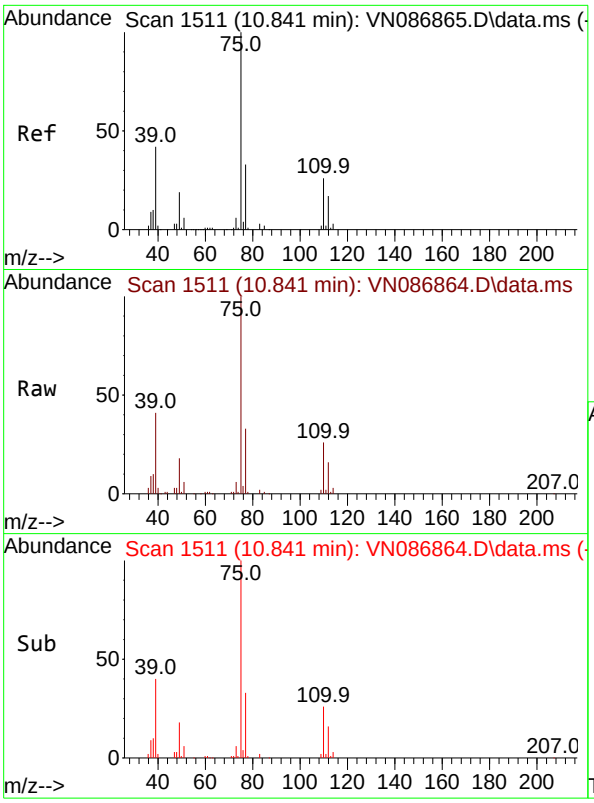


#52
Toluene
Concen: 20.056 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 92 Resp: 148000

Ion	Ratio	Lower	Upper
92	100		
91	172.9	136.5	204.7



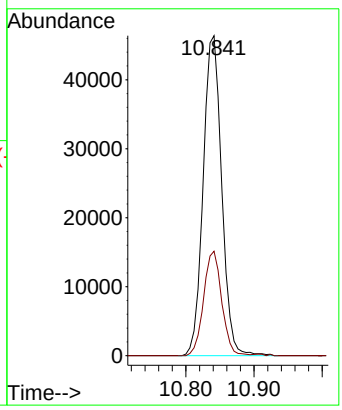


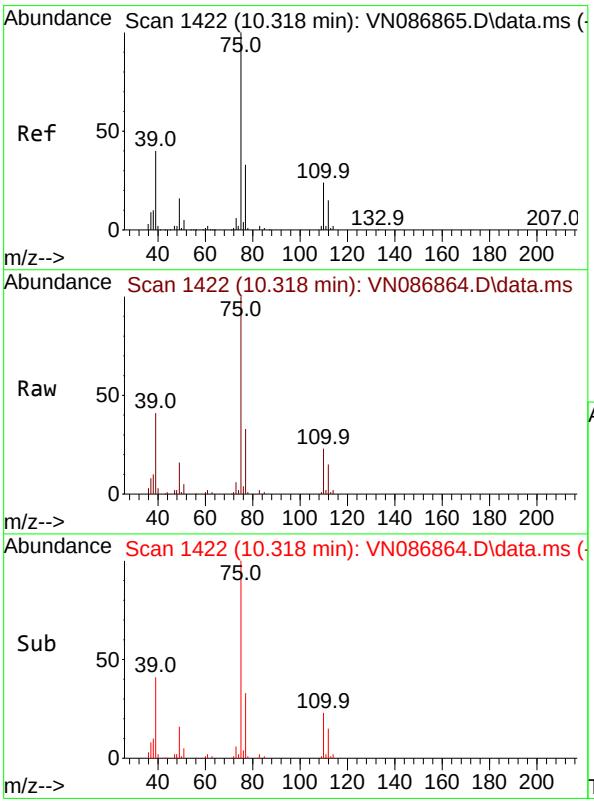
#53
t-1,3-Dichloropropene
Concen: 19.532 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 87683

Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.4	39.6

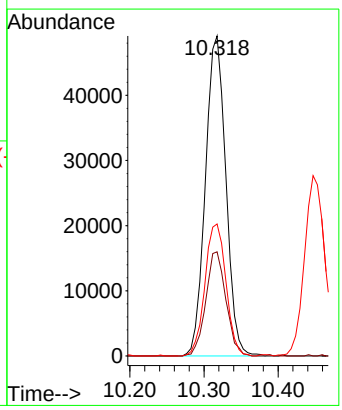


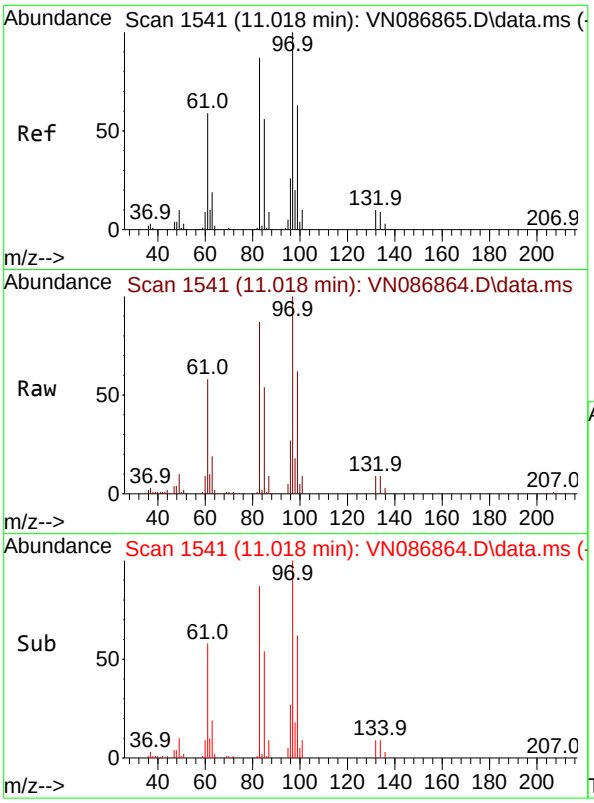


#54
cis-1,3-Dichloropropene
Concen: 19.636 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 75 Resp: 94315

Ion	Ratio	Lower	Upper
75	100		
77	32.5	26.2	39.4
39	41.3	32.3	48.5



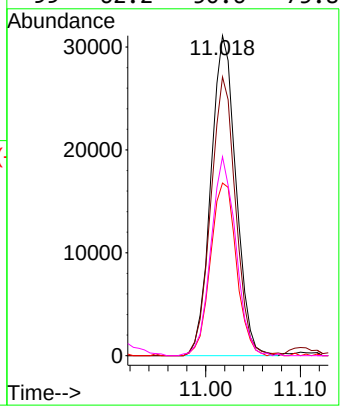


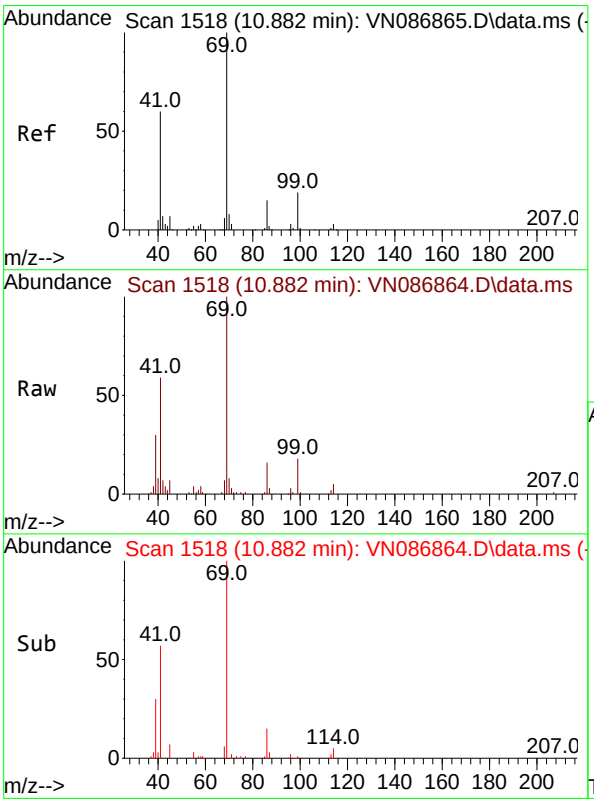
#55
1,1,2-Trichloroethane
Concen: 20.143 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 57195

Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.7	104.5
85	54.0	45.1	67.7
99	62.2	50.6	75.8

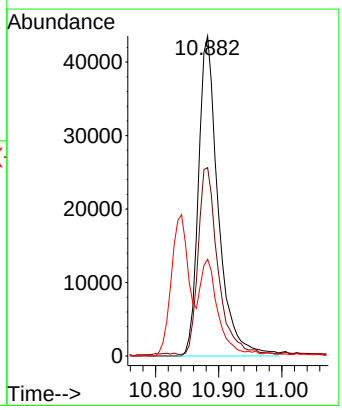


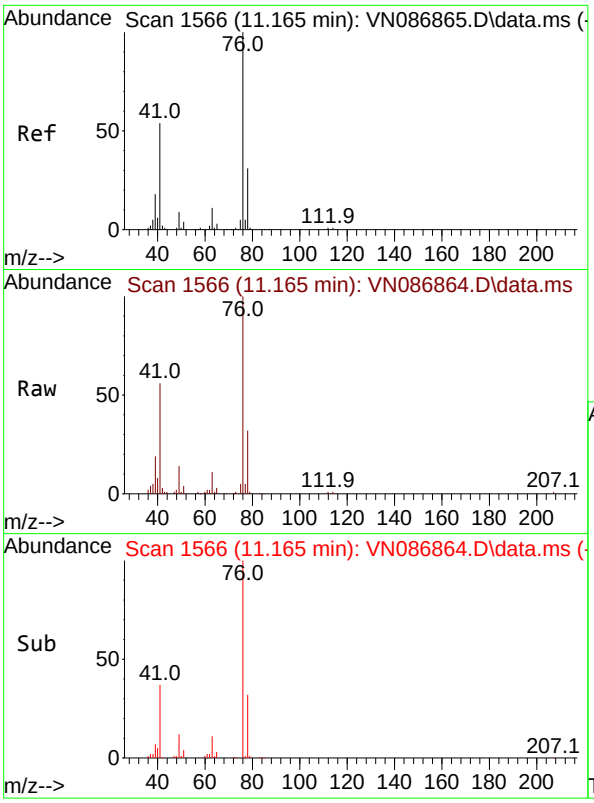


#56
Ethyl methacrylate
Concen: 20.968 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 69 Resp: 94829

Ion	Ratio	Lower	Upper
69	100		
41	58.9	47.2	70.8
39	25.9	23.0	34.6



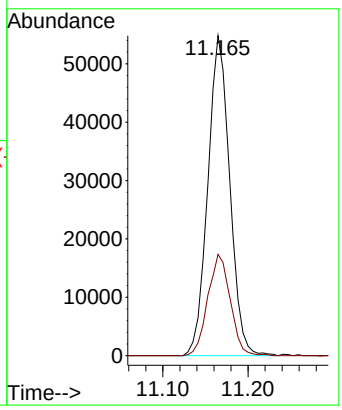


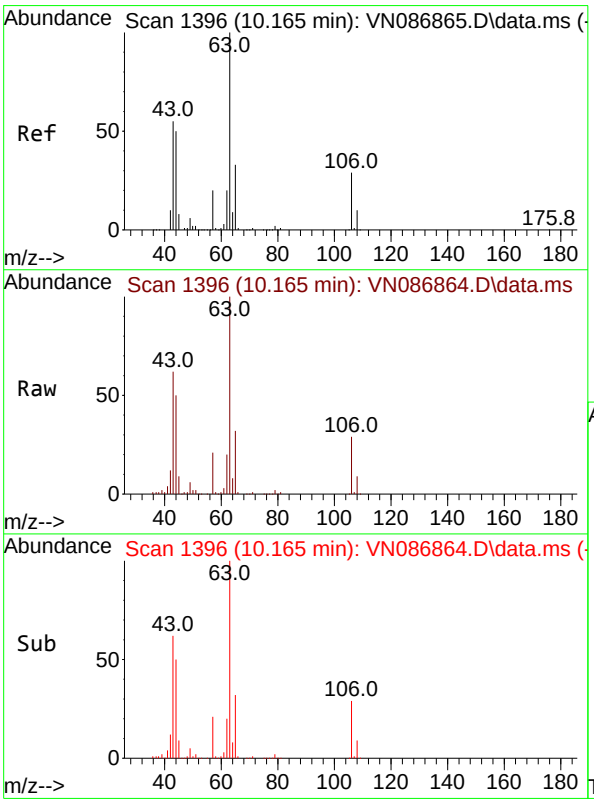
#57
1,3-Dichloropropane
Concen: 19.938 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 98205

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.3	37.9

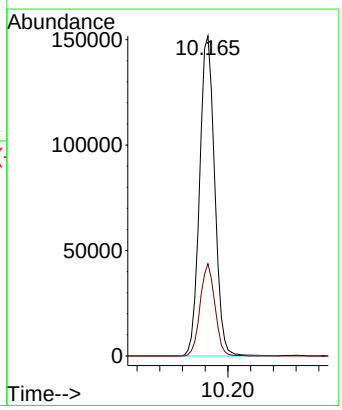


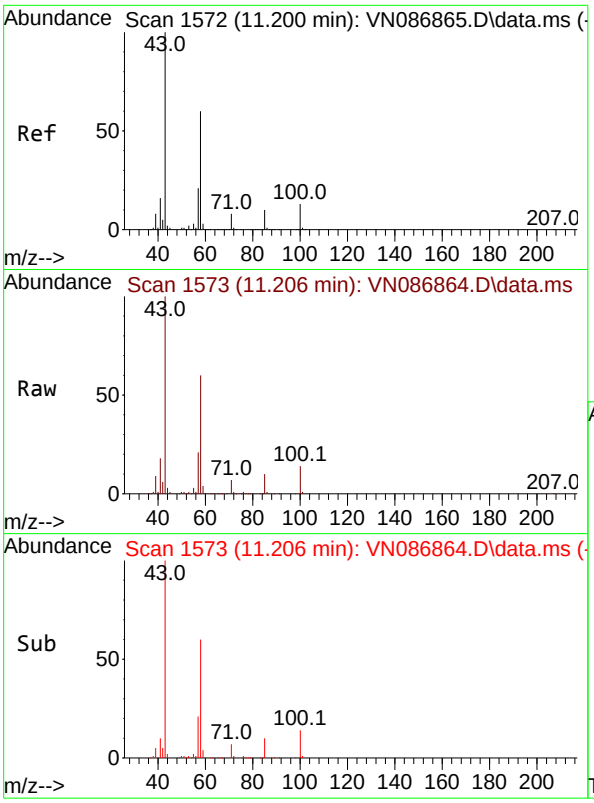


#58
2-Chloroethyl Vinyl ether
Concen: 103.426 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 63 Resp: 278986

Ion	Ratio	Lower	Upper
63	100		
106	28.1	23.0	34.6



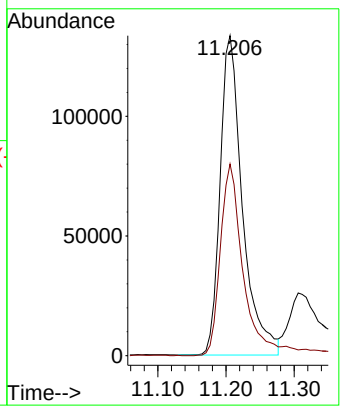


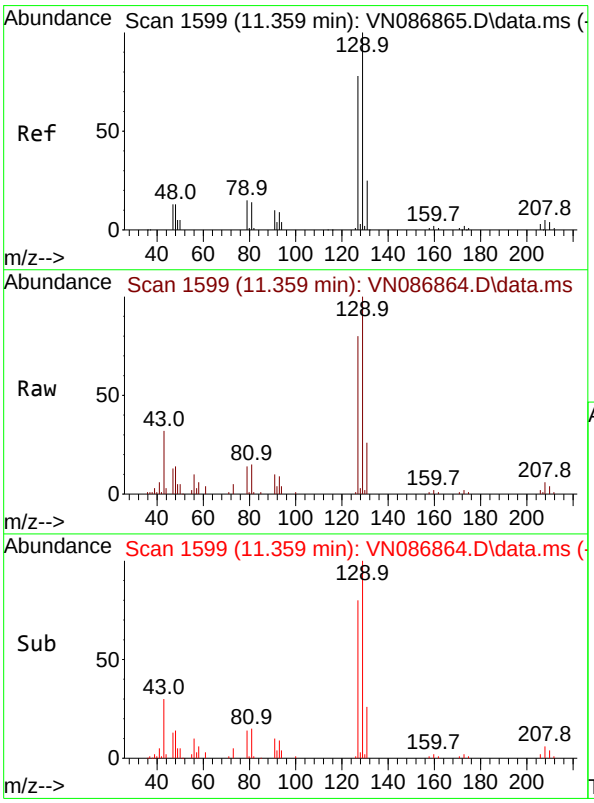
#59
2-Hexanone
Concen: 103.803 ug/l
RT: 11.206 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 303686

Ion	Ratio	Lower	Upper
43	100		
58	64.8	30.4	91.3

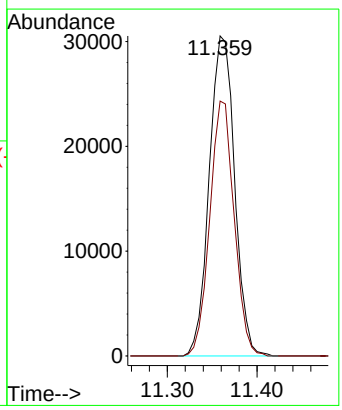


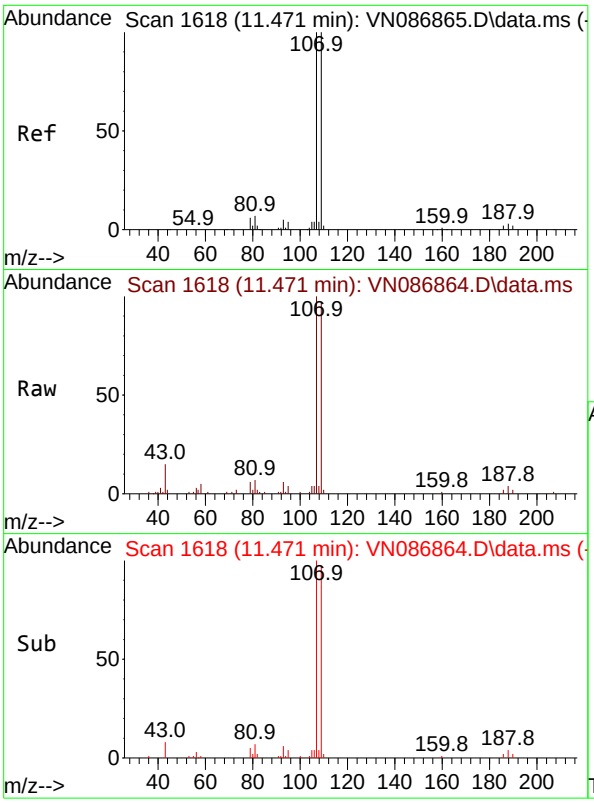


#60
Dibromochloromethane
Concen: 20.268 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:129 Resp: 59961

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.6	115.8



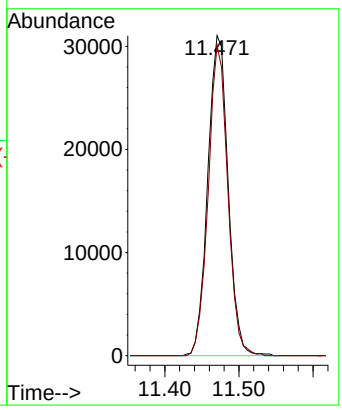


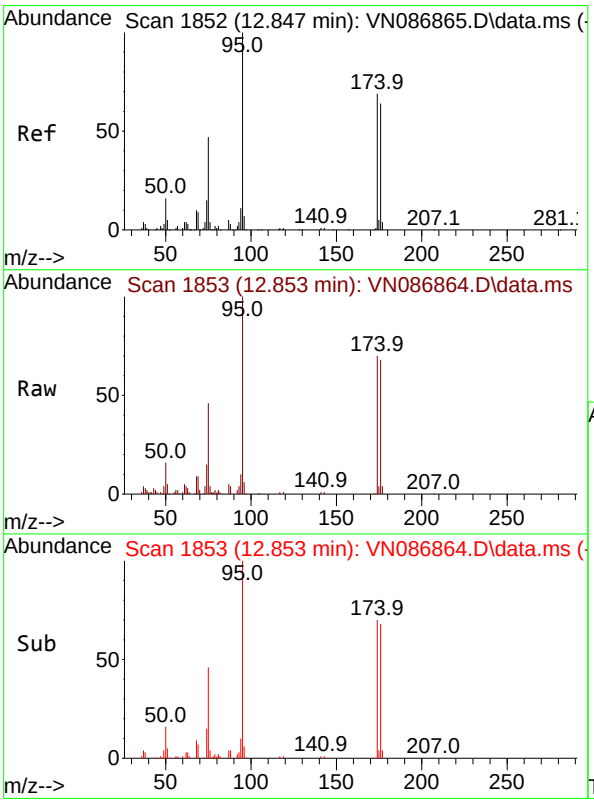
#61
1,2-Dibromoethane
Concen: 20.320 ug/l
RT: 11.471 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 59139

Ion	Ratio	Lower	Upper
107	100		
109	93.0	76.3	114.5

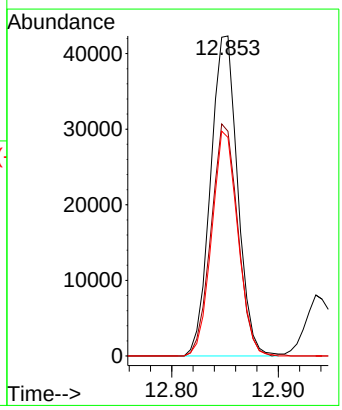


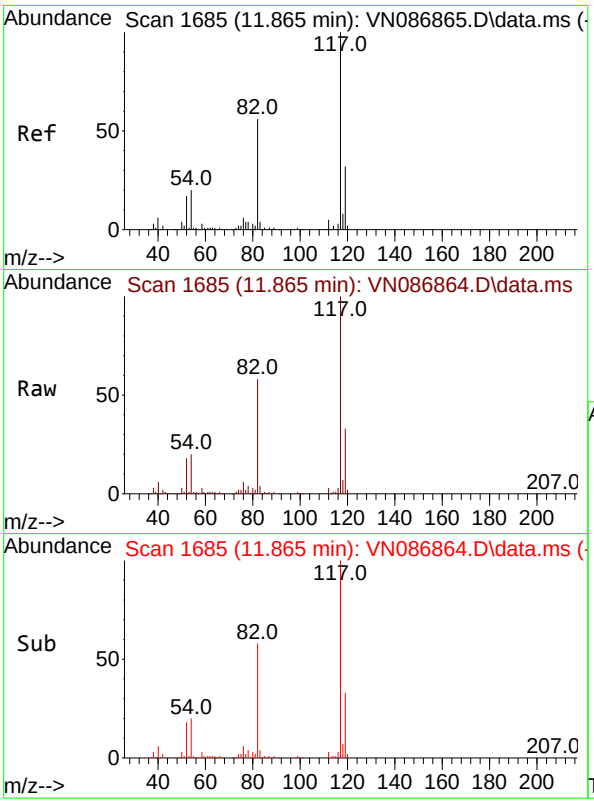


#62
4-Bromofluorobenzene
Concen: 20.474 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 95 Resp: 74622

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	141.8
176	68.0	0.0	132.6



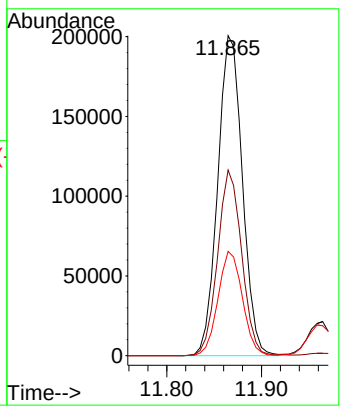


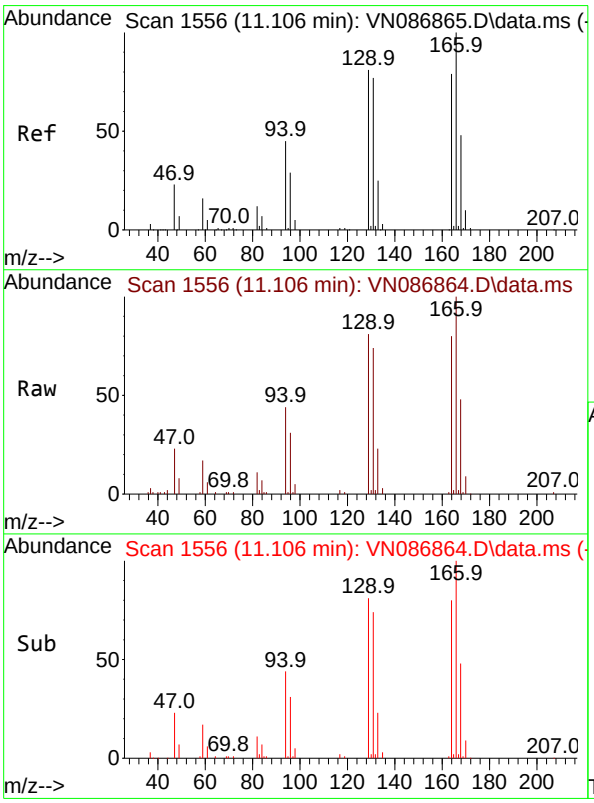
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 363172

Ion	Ratio	Lower	Upper
117	100		
82	58.0	44.6	67.0
119	32.6	25.5	38.3

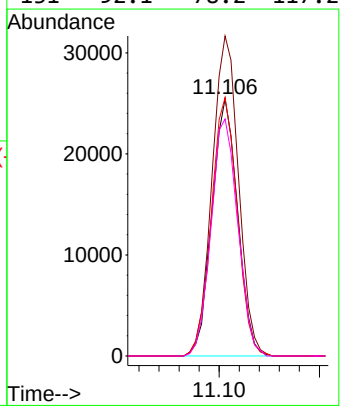


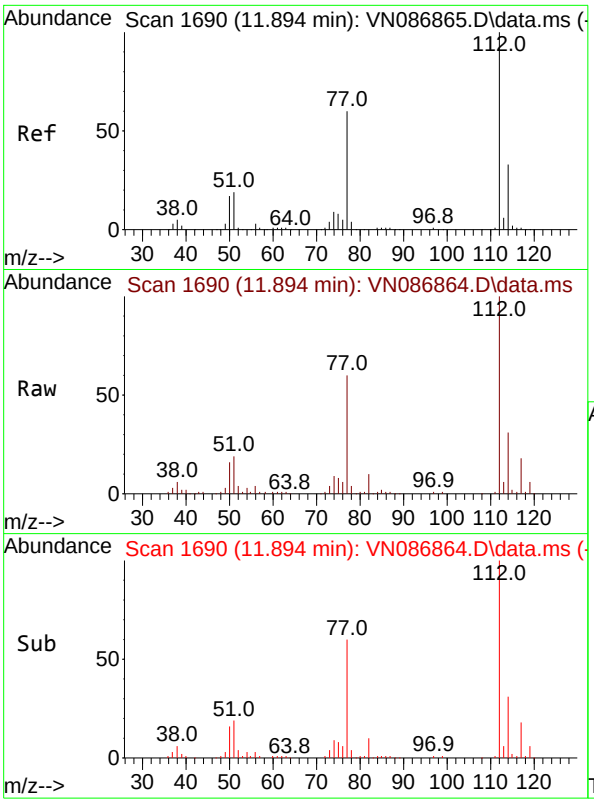


#64
Tetrachloroethene
Concen: 19.742 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:164 Resp: 45374

Ion	Ratio	Lower	Upper
164	100		
166	124.4	101.8	152.8
129	100.4	83.0	124.4
131	92.1	78.2	117.2



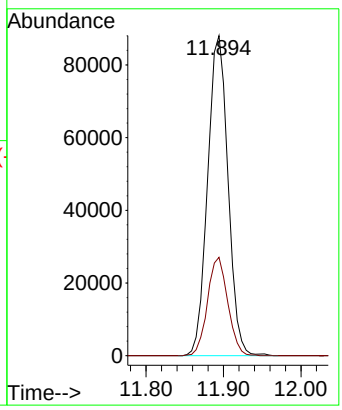


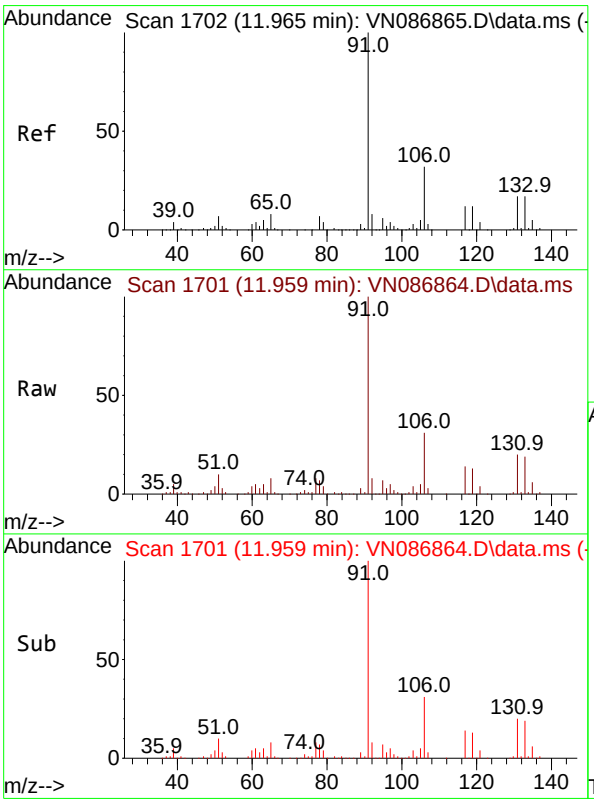
#65
Chlorobenzene
Concen: 20.076 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 160803

Ion	Ratio	Lower	Upper
112	100		
114	30.8	26.2	39.2

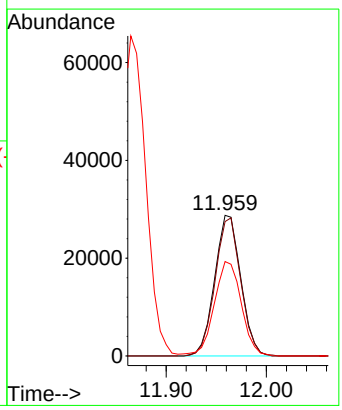


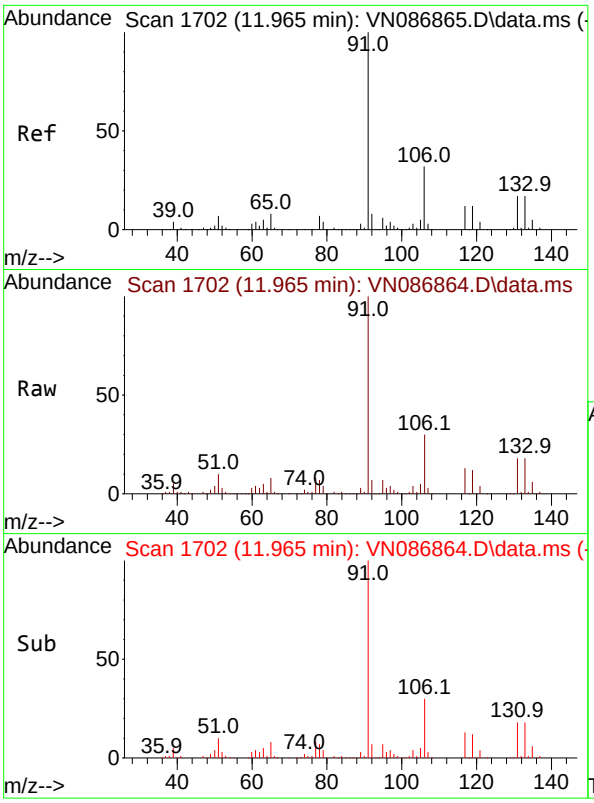


#66
1,1,1,2-Tetrachloroethane
Concen: 20.223 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:131 Resp: 52069

Ion	Ratio	Lower	Upper
131	100		
133	96.3	48.3	144.8
119	69.6	34.0	101.8



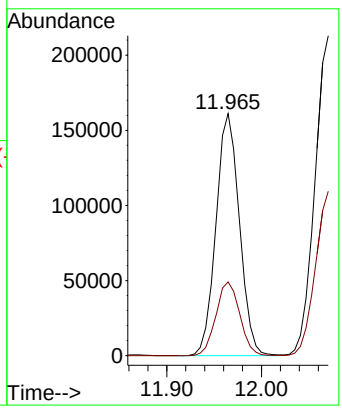


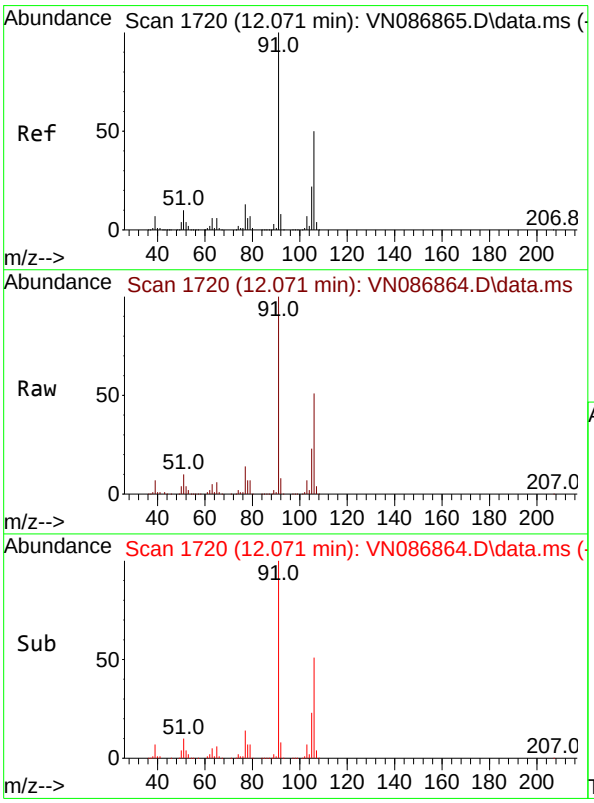
#67
Ethyl Benzene
Concen: 20.083 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 277087

Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.4	38.2

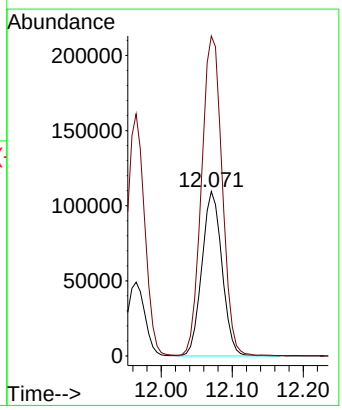


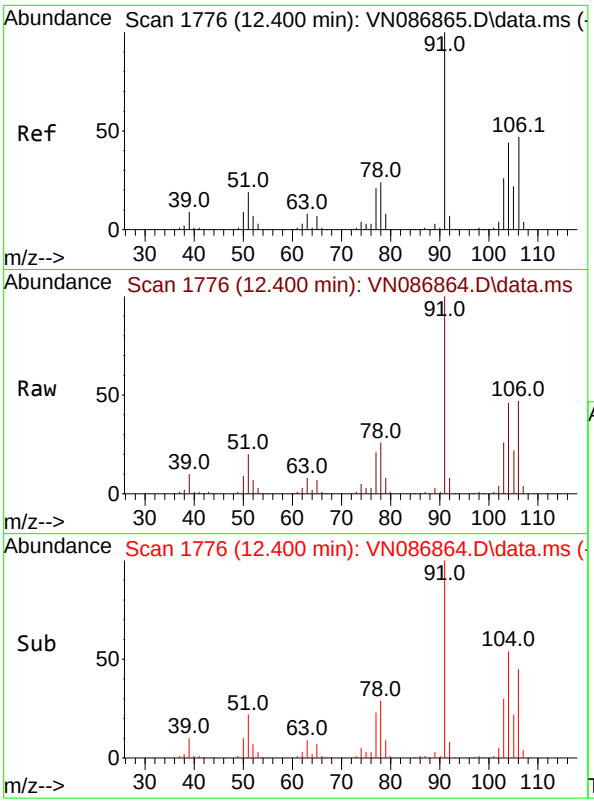


#68
m/p-Xylenes
Concen: 40.780 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:106 Resp: 215378

Ion	Ratio	Lower	Upper
106	100		
91	199.8	159.4	239.0



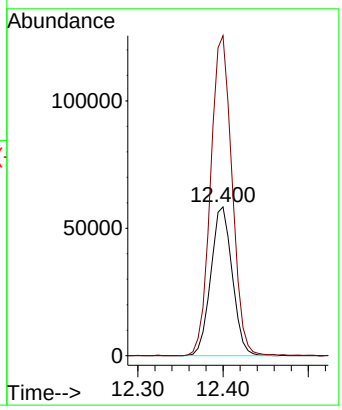


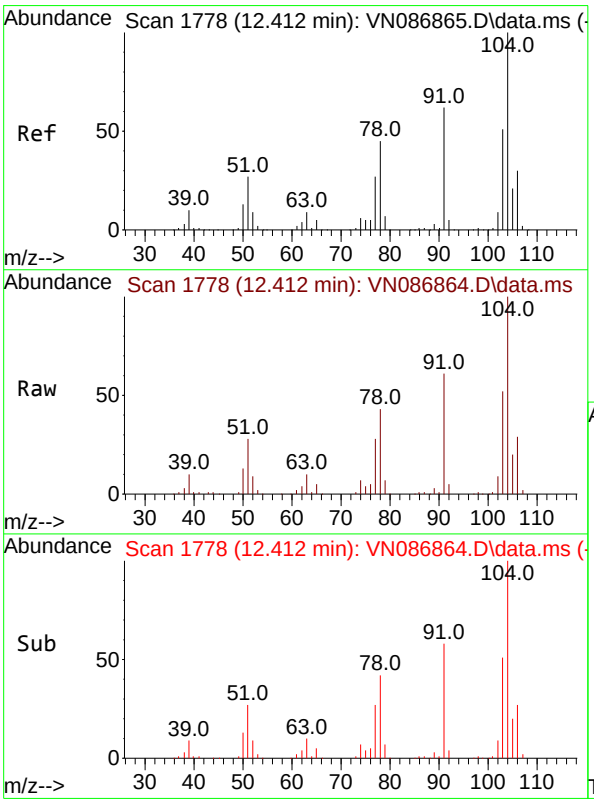
#69
o-Xylene
Concen: 20.175 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 102050

Ion	Ratio	Lower	Upper
106	100		
91	215.9	106.1	318.1

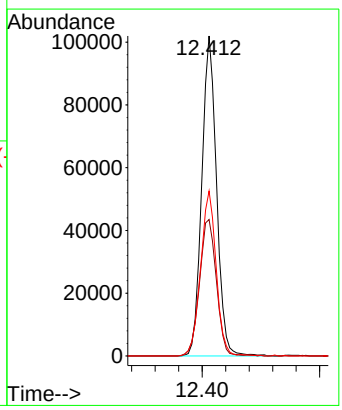


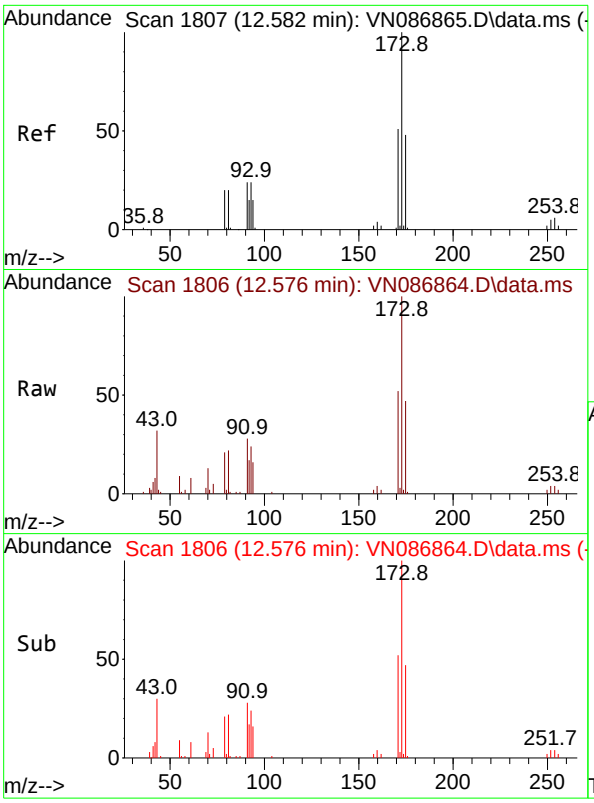


#70
Styrene
Concen: 20.572 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:104 Resp: 178061

Ion	Ratio	Lower	Upper
104	100		
78	48.3	38.5	57.7
103	54.4	43.1	64.7



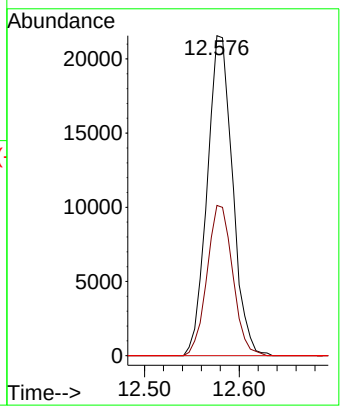


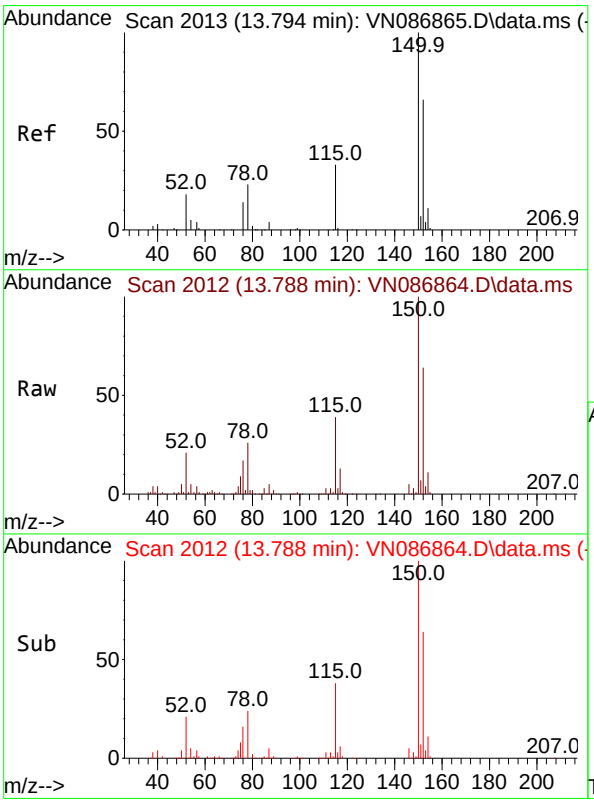
#71
Bromoform
Concen: 21.004 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 40070

Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.1	72.4
254	0.0	0.0	0.0

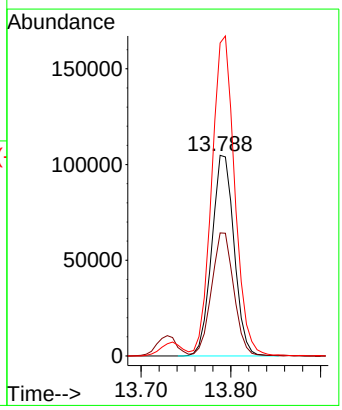


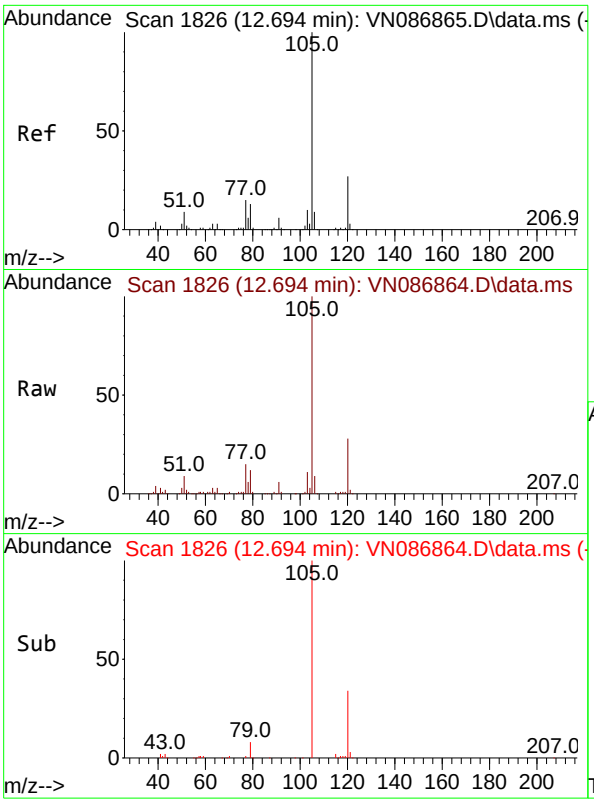


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:152 Resp: 181178

Ion	Ratio	Lower	Upper
152	100		
115	61.4	30.1	90.5
150	164.5	0.0	345.0



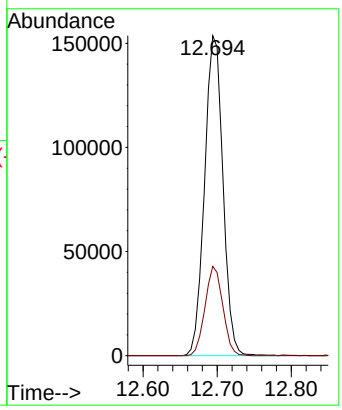


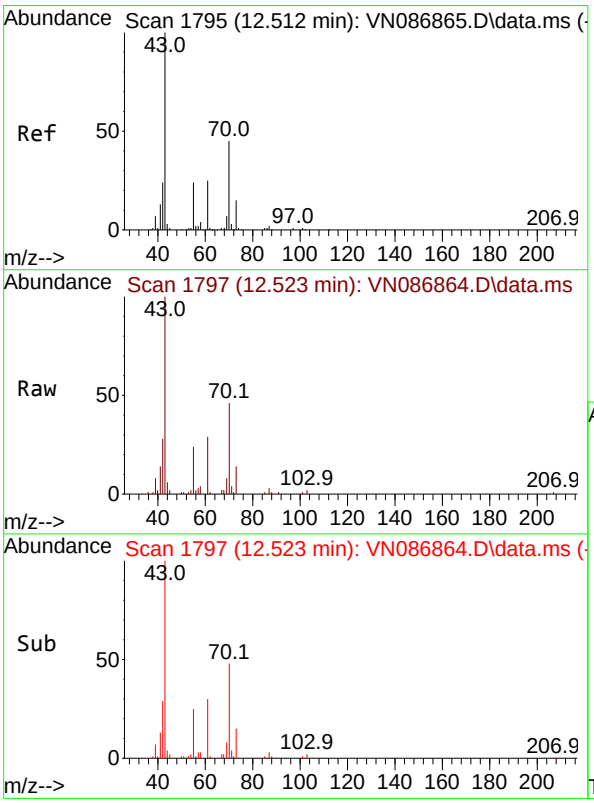
#73
Isopropylbenzene
Concen: 20.035 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 264442

Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.5	40.4

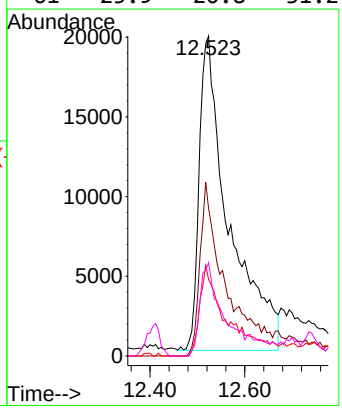


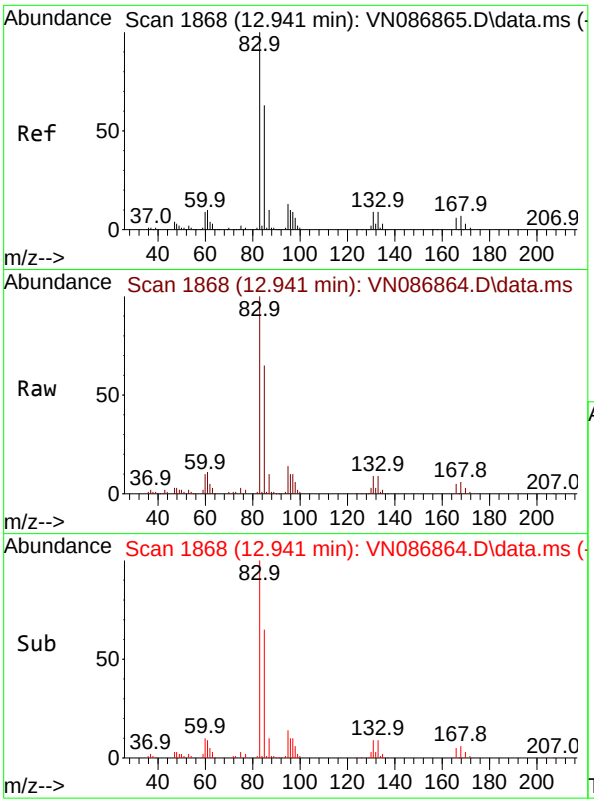


#74
N-amyl acetate
Concen: 19.633 ug/l
RT: 12.523 min Scan# 1797
Delta R.T. 0.012 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 43 Resp: 86003

Ion	Ratio	Lower	Upper
43	100		
70	47.7	37.6	56.4
55	26.6	19.0	28.6
61	25.9	20.8	31.2



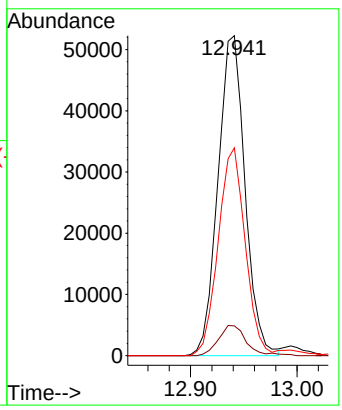


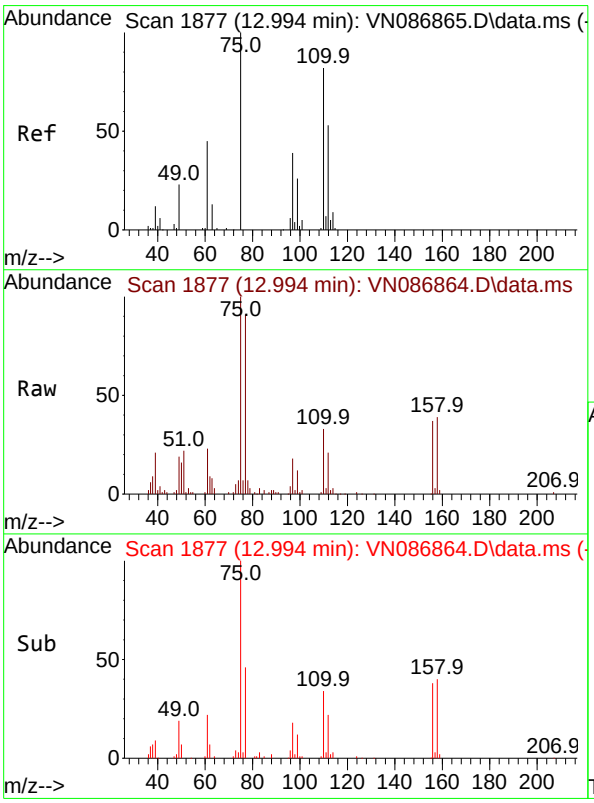
#75
1,1,2,2-Tetrachloroethane
Concen: 20.634 ug/l
RT: 12.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 92264

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	64.5	32.0	96.0

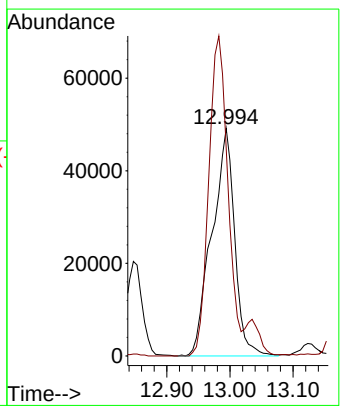


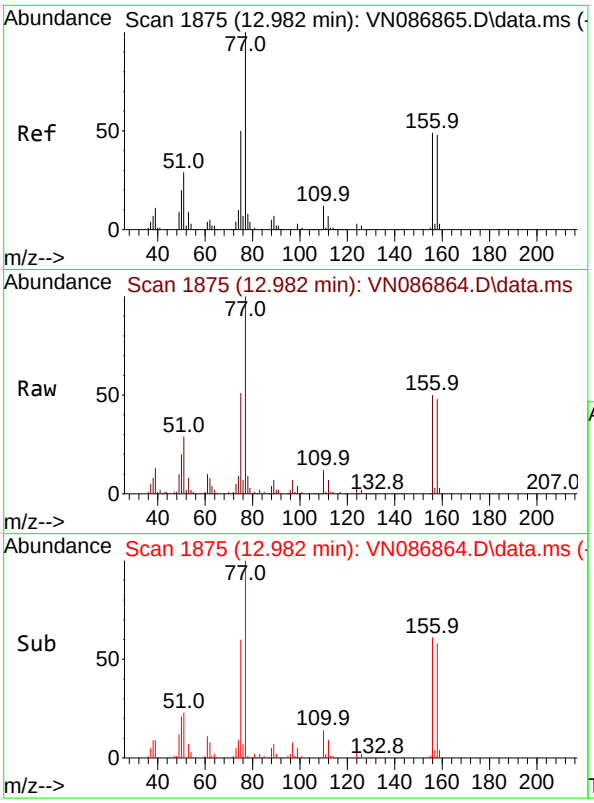


#76
1,2,3-Trichloropropane
Concen: 28.448 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 75 Resp: 122897

Ion	Ratio	Lower	Upper
75	100		
77	117.5	79.3	237.9



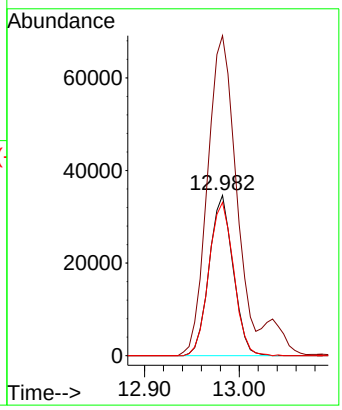


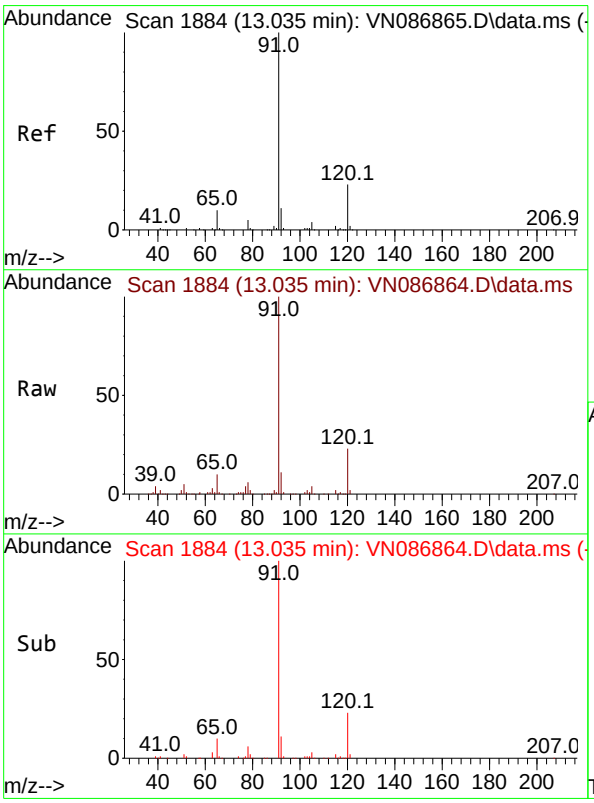
#77
Bromobenzene
Concen: 20.111 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 60877

Ion	Ratio	Lower	Upper
156	100		
77	237.3	117.7	353.1
158	99.0	48.1	144.4

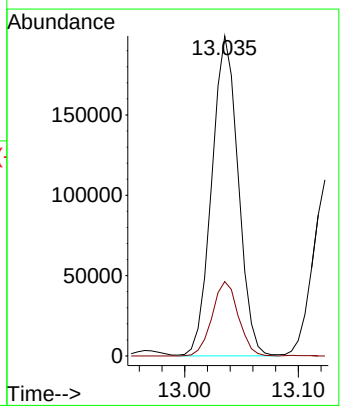


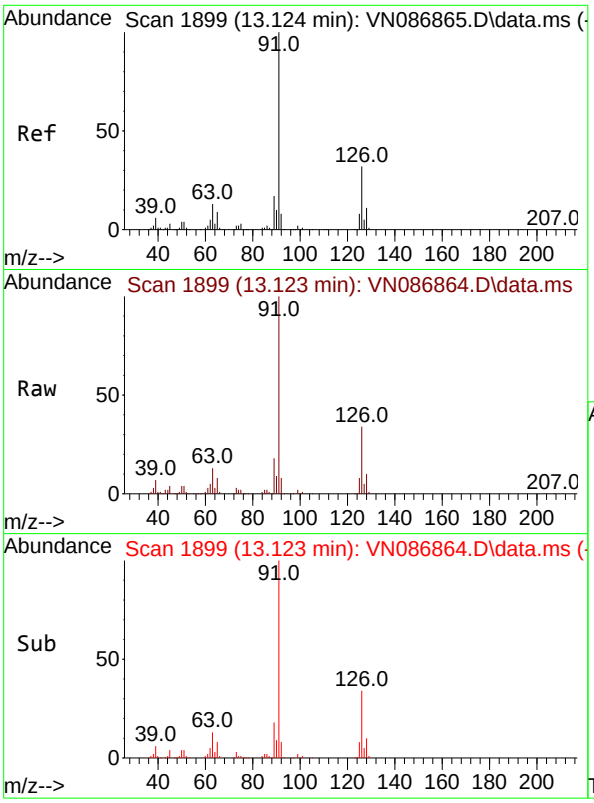


#78
n-propylbenzene
Concen: 20.102 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 91 Resp: 322436

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.4	34.2



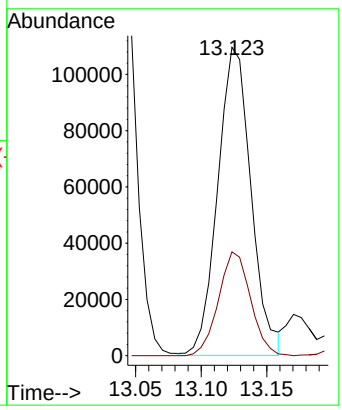


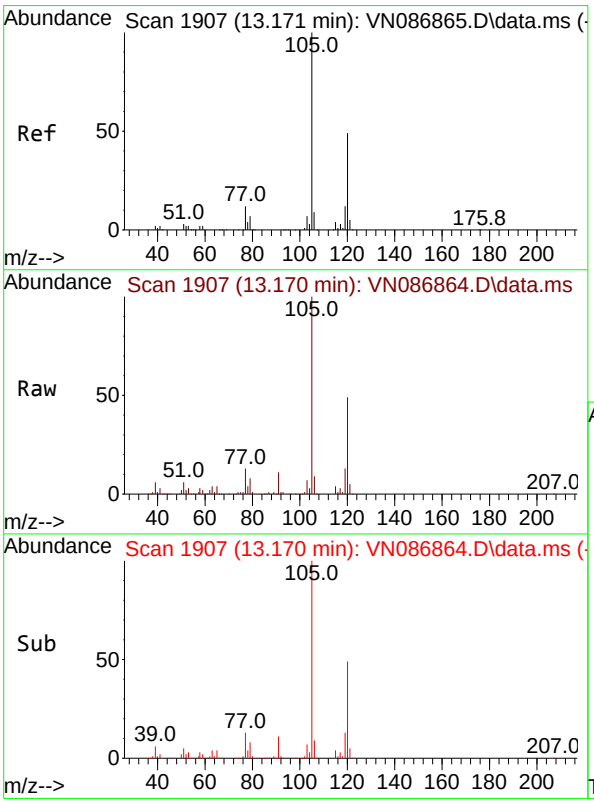
#79
2-Chlorotoluene
Concen: 20.144 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 193774

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.2	48.5

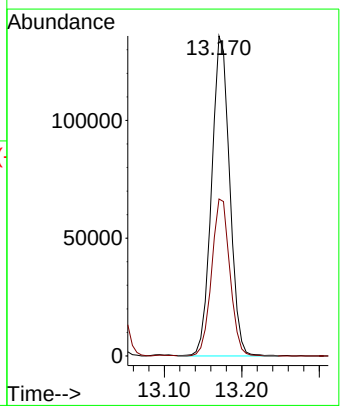


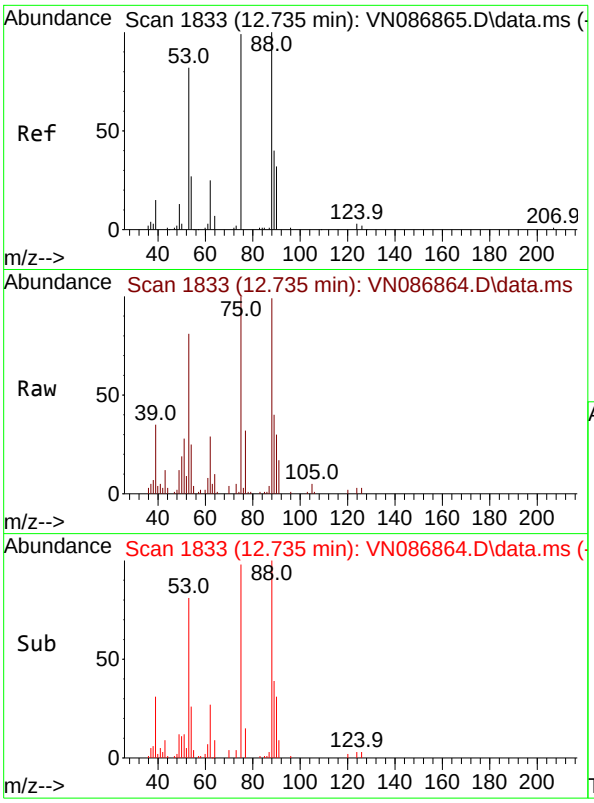


#80
1,3,5-Trimethylbenzene
Concen: 20.183 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:105 Resp: 219937

Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.9	74.6



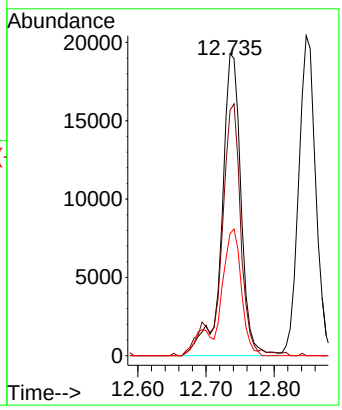


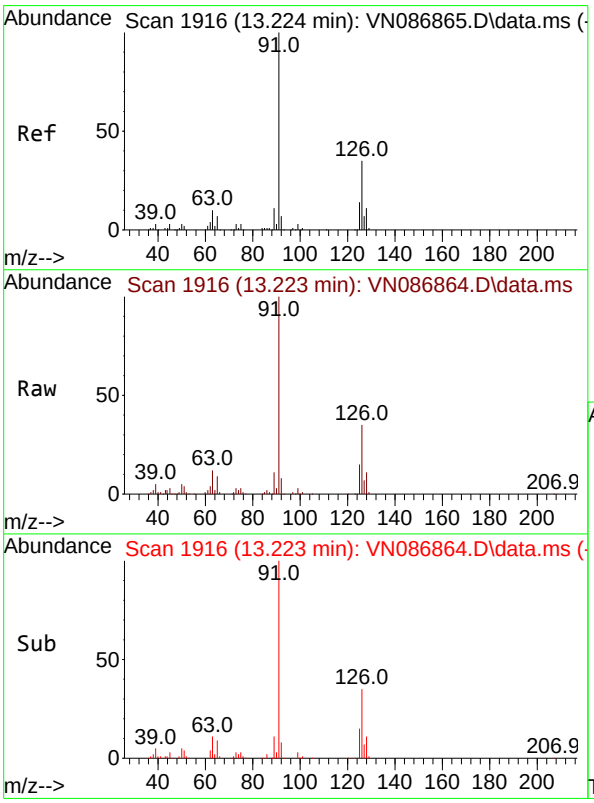
#81
trans-1,4-Dichloro-2-butene
Concen: 20.209 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 37808

Ion	Ratio	Lower	Upper
75	100		
53	77.3	66.6	99.8
89	39.6	36.7	55.1

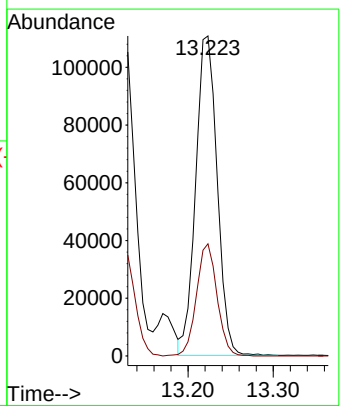


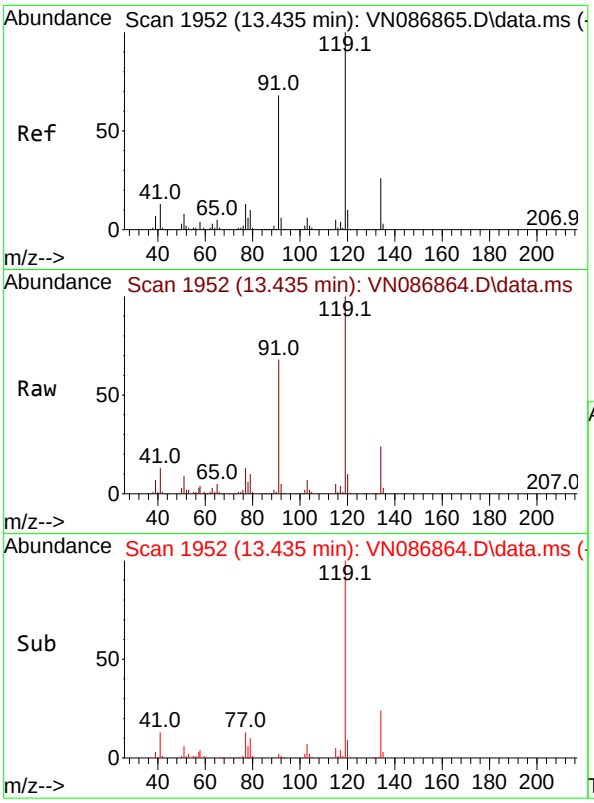


#82
4-Chlorotoluene
Concen: 19.885 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 91 Resp: 193544

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.7	50.1



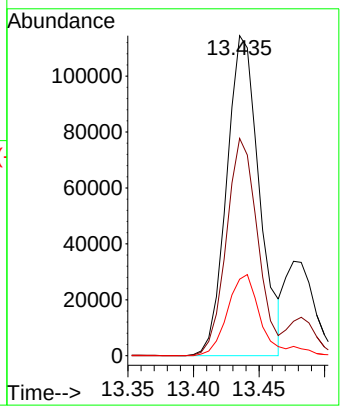


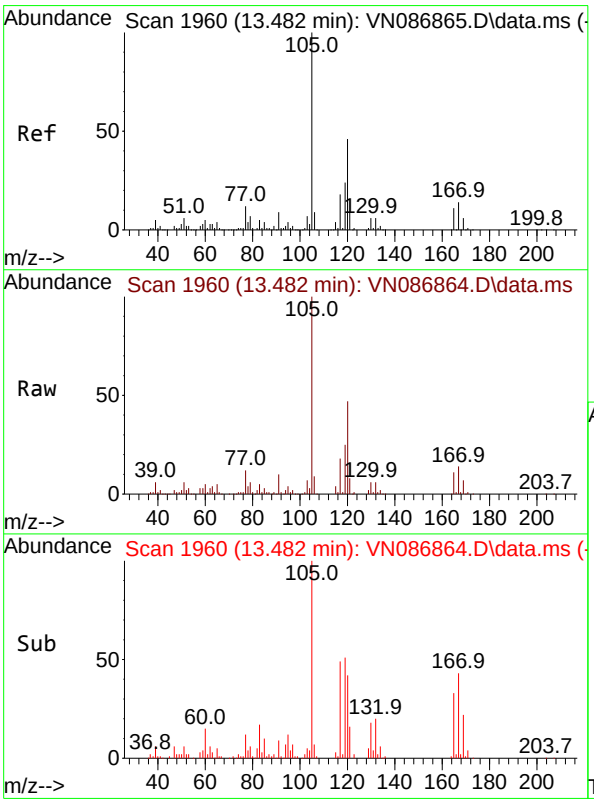
#83
tert-Butylbenzene
Concen: 19.880 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 198303

Ion	Ratio	Lower	Upper
119	100		
91	65.2	32.1	96.5
134	26.5	13.4	40.1

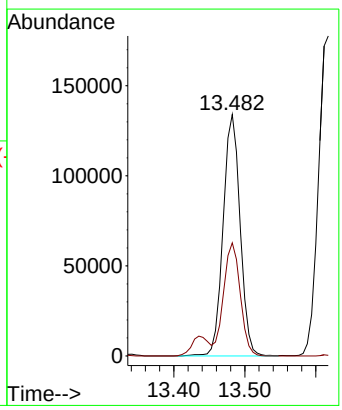


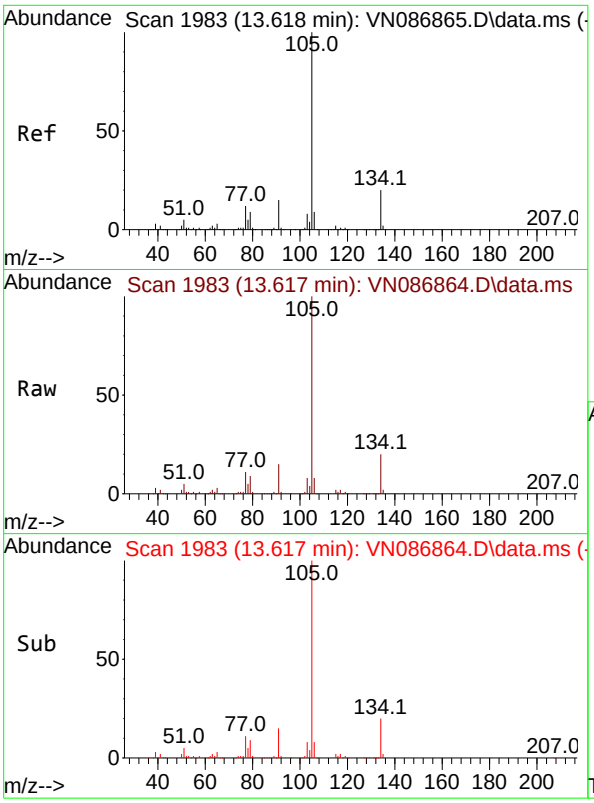


#84
1,2,4-Trimethylbenzene
Concen: 20.315 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:105 Resp: 221990

Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.2	69.6



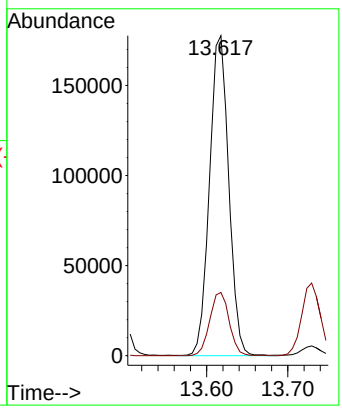


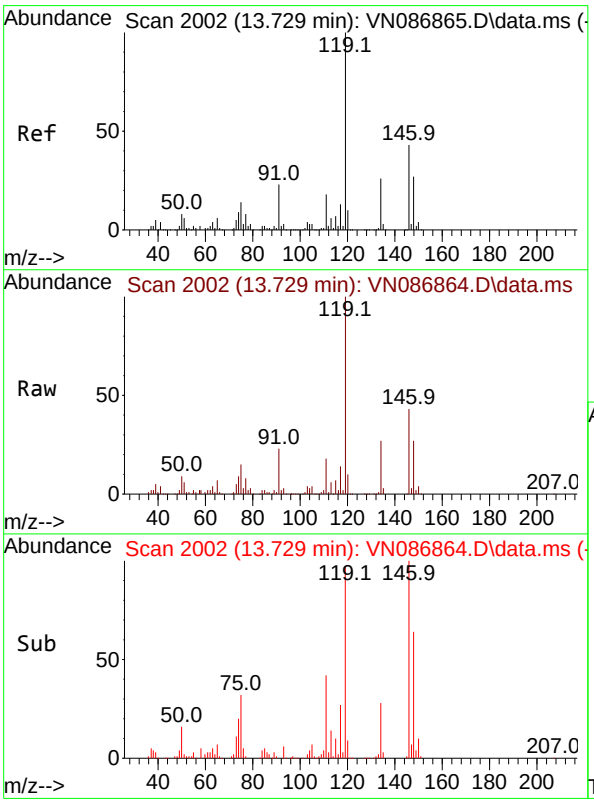
#85
sec-Butylbenzene
Concen: 20.196 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 292563

Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	30.0

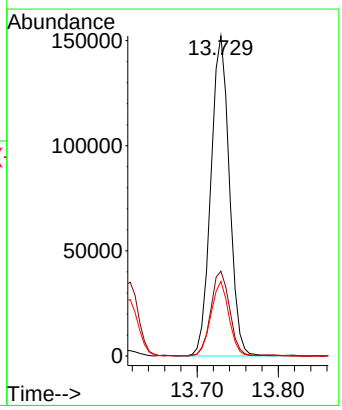


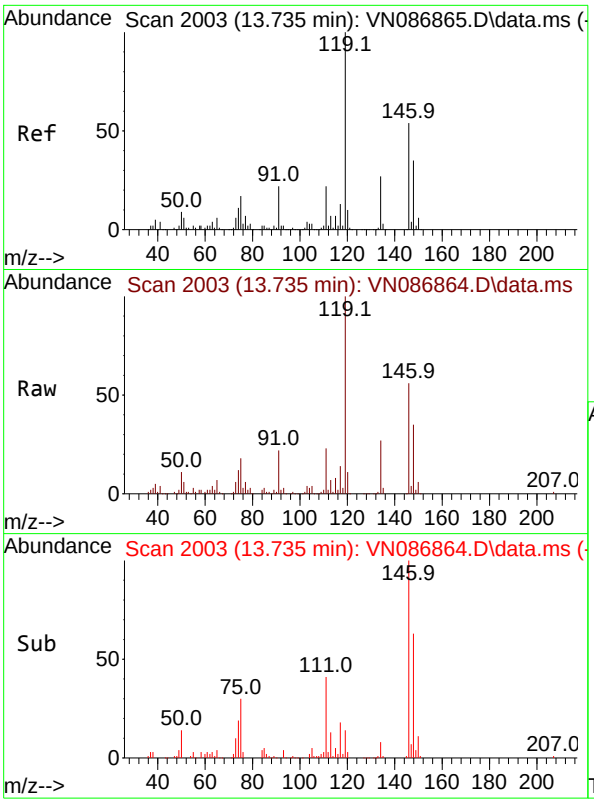


#86
p-Isopropyltoluene
Concen: 20.099 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:119 Resp: 240682

Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.5	40.4
91	22.7	11.5	34.4



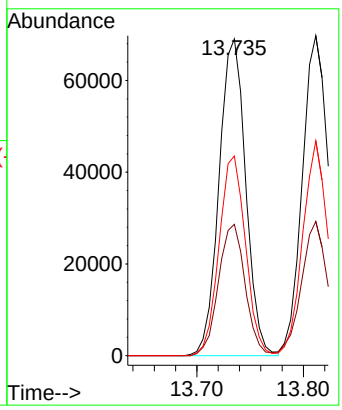


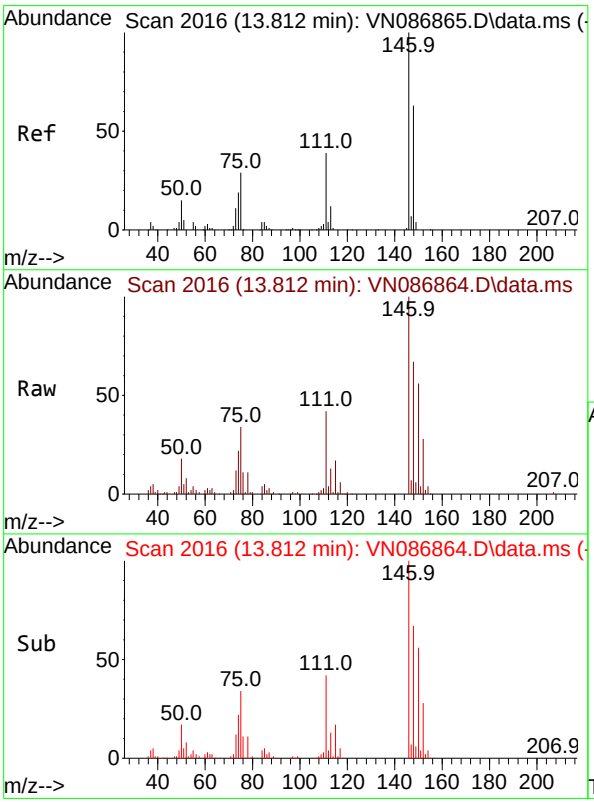
#87
1,3-Dichlorobenzene
Concen: 20.166 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 120099

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.9	62.8
148	62.5	32.0	96.2

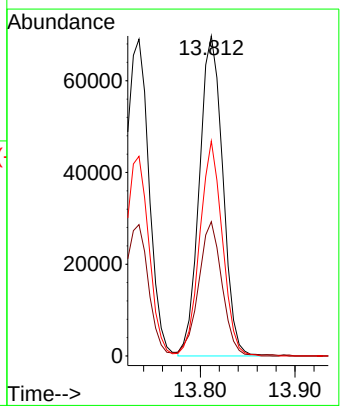


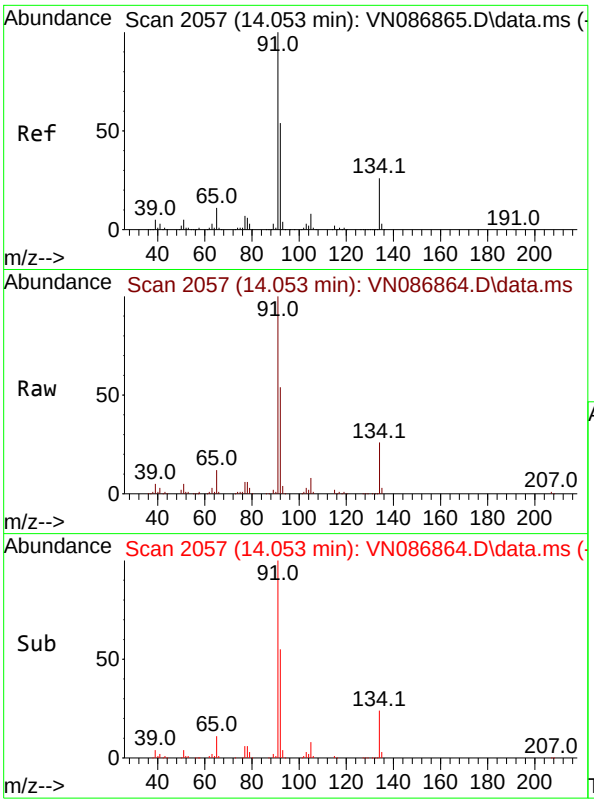


#88
1,4-Dichlorobenzene
Concen: 19.780 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:146 Resp: 120102

Ion	Ratio	Lower	Upper
146	100		
111	42.5	19.9	59.7
148	64.7	31.8	95.4



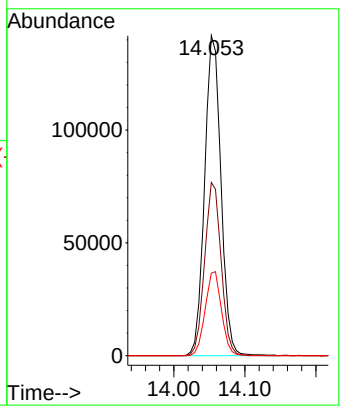


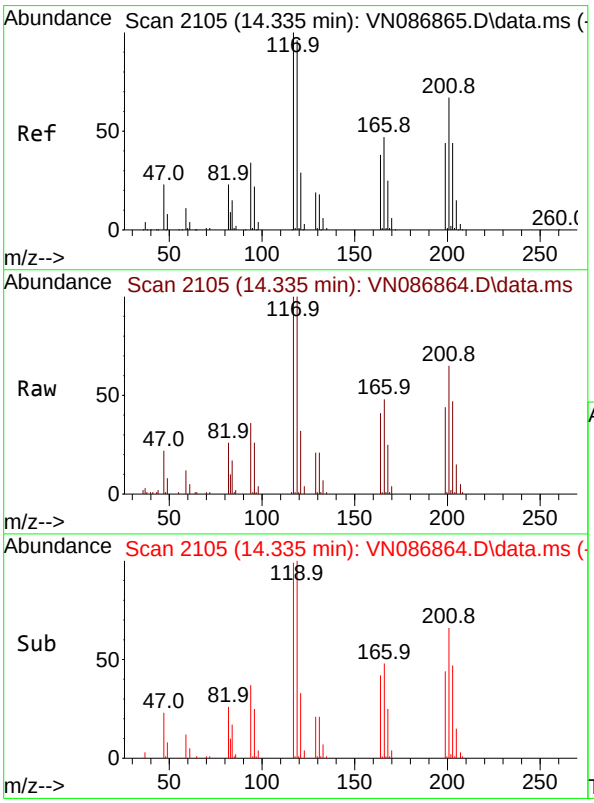
#89
n-Butylbenzene
Concen: 19.617 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 227536

Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.5	82.4
134	26.2	13.0	39.0

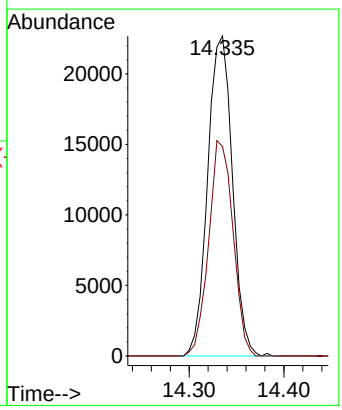


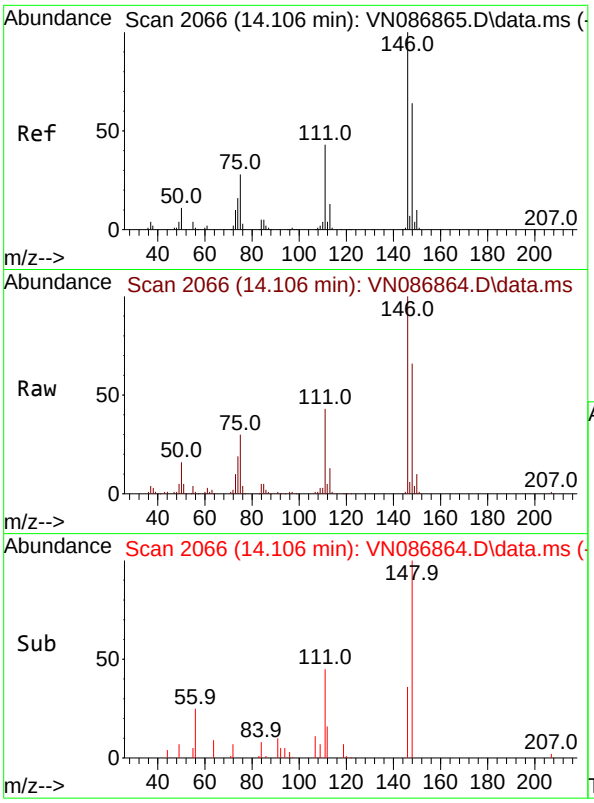


#90
Hexachloroethane
Concen: 20.299 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:117 Resp: 41202

Ion	Ratio	Lower	Upper
117	100		
201	66.2	33.2	99.6



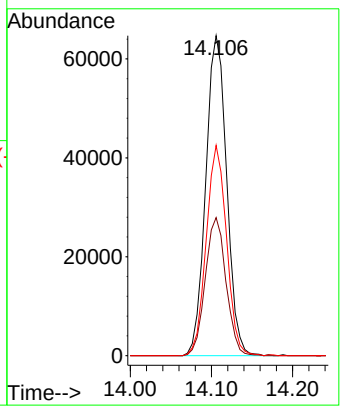


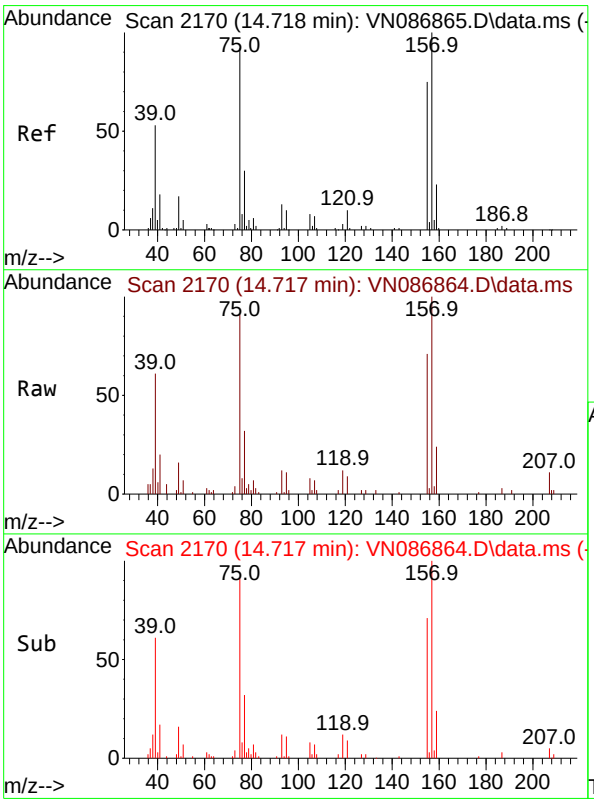
#91
1,2-Dichlorobenzene
Concen: 20.212 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 115645

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	64.6
148	63.9	31.7	95.1

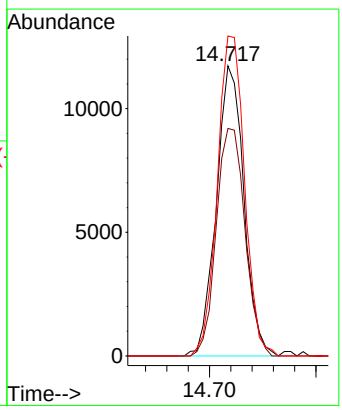


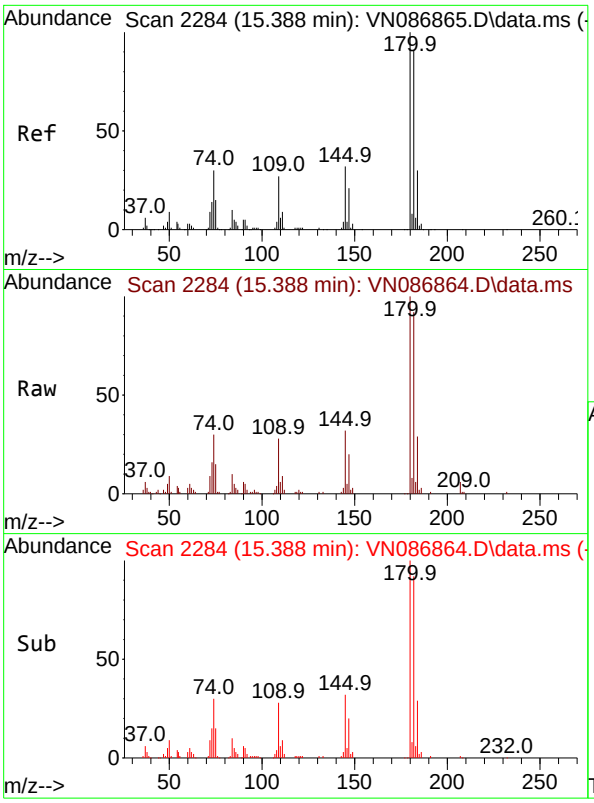


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.661 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion: 75 Resp: 21025

Ion	Ratio	Lower	Upper
75	100		
155	81.8	41.1	123.4
157	109.0	52.7	158.1



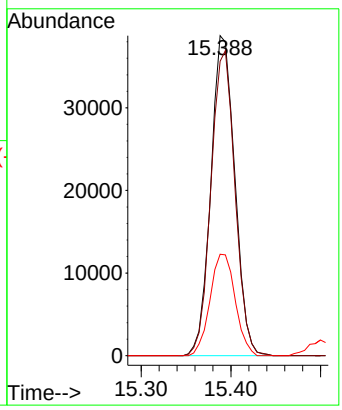


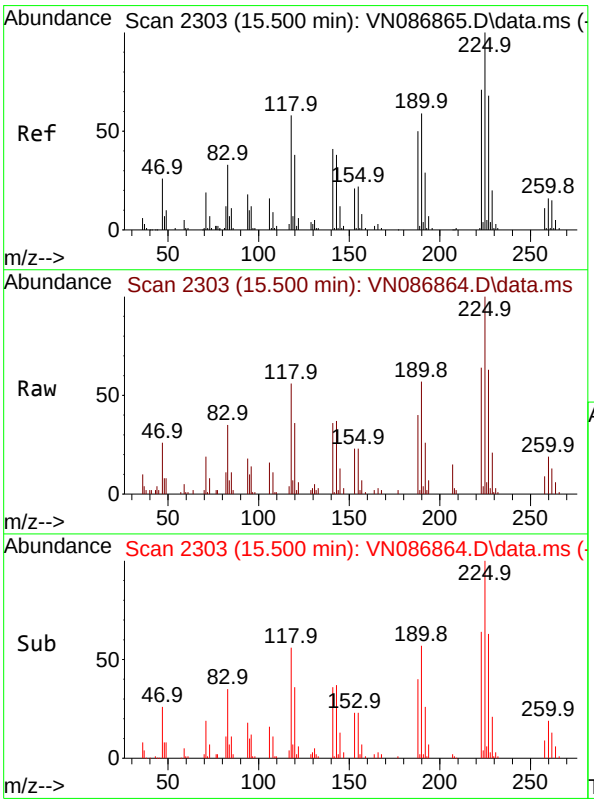
#93
1,2,4-Trichlorobenzene
Concen: 19.659 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 71826

Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.9	140.7
145	33.3	16.0	47.9

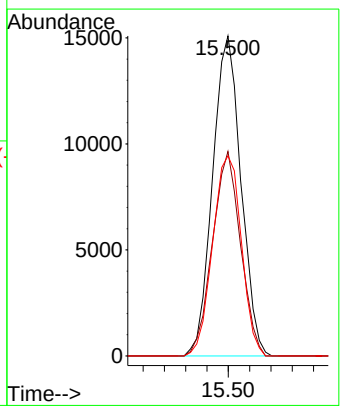


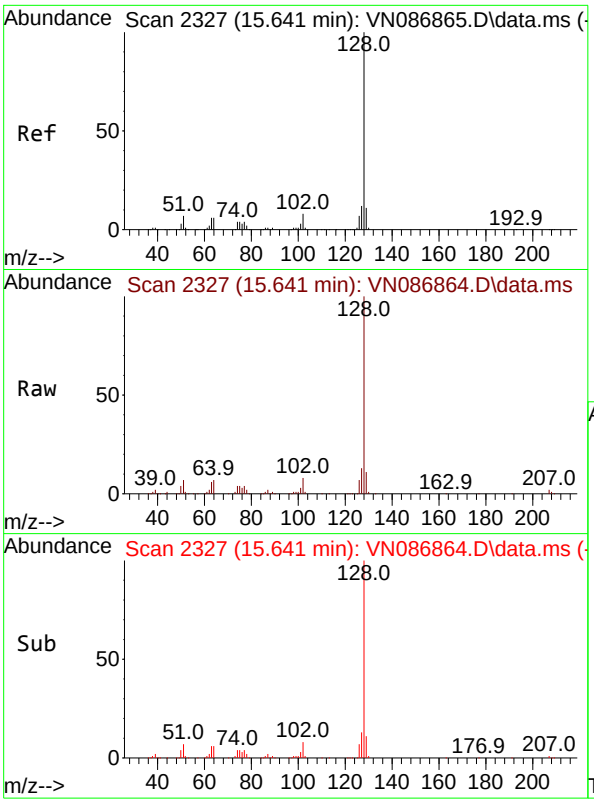


#94
Hexachlorobutadiene
Concen: 20.486 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:225 Resp: 27887

Ion	Ratio	Lower	Upper
225	100		
223	63.0	33.5	100.4
227	63.3	31.1	93.5



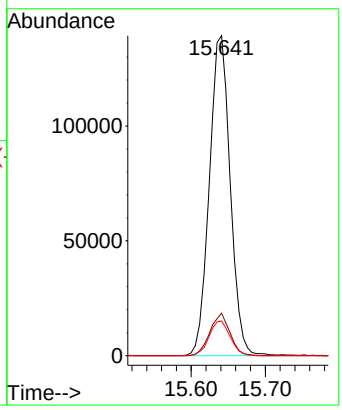


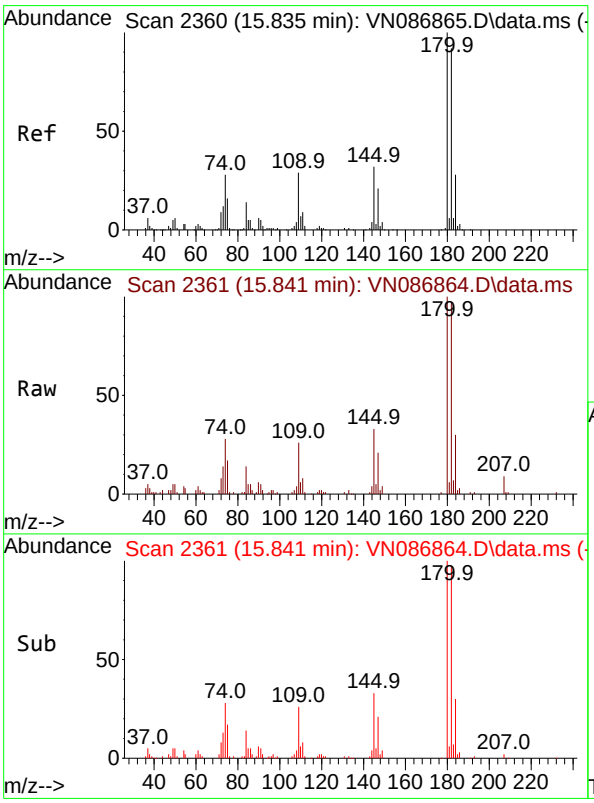
#95
Naphthalene
Concen: 20.043 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 272584

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.0	8.8	13.2

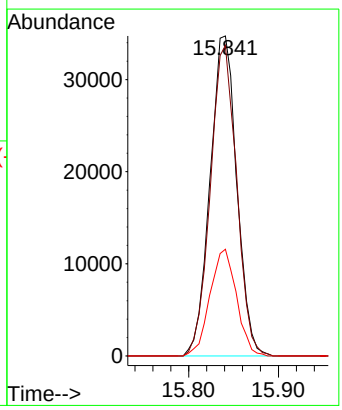




#96
1,2,3-Trichlorobenzene
Concen: 19.815 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086864.D
Acq: 06 Jun 2025 13:40

Tgt Ion:180 Resp: 71929

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.0	141.0
145	33.1	16.6	49.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	207354	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	378587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	332766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	167532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	103736	37.366	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 74.740%			
35) Dibromofluoromethane	8.171	113	83058	37.020	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 74.040%#			
50) Toluene-d8	10.571	98	326105	36.716	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 73.440%#			
62) 4-Bromofluorobenzene	12.847	95	122965	37.264	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 74.520%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	103958	50.283	ug/l	100
3) Chloromethane	2.395	50	123866	46.397	ug/l	100
4) Vinyl Chloride	2.554	62	132783	48.215	ug/l	100
5) Bromomethane	2.995	94	73974	47.999	ug/l	100
6) Chloroethane	3.154	64	84505	47.504	ug/l	100
7) Trichlorofluoromethane	3.524	101	172860	48.041	ug/l	100
8) Diethyl Ether	3.983	74	75193	47.963	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.395	101	107695	47.640	ug/l	100
10) Methyl Iodide	4.606	142	141678	48.346	ug/l	100
11) Tert butyl alcohol	5.548	59	182315	242.020	ug/l	100
12) 1,1-Dichloroethene	4.359	96	110549	47.900	ug/l	100
13) Acrolein	4.201	56	47026	197.217	ug/l	100
14) Allyl chloride	5.042	41	179313	46.848	ug/l	100
15) Acrylonitrile	5.742	53	421941	239.638	ug/l	100
16) Acetone	4.448	43	333857	226.765	ug/l	100
17) Carbon Disulfide	4.730	76	295753	46.328	ug/l	100
18) Methyl Acetate	5.042	43	204538	47.673	ug/l	100
19) Methyl tert-butyl Ether	5.812	73	400775	47.960	ug/l	100
20) Methylene Chloride	5.295	84	125498	45.531	ug/l	100
21) trans-1,2-Dichloroethene	5.806	96	117660	45.822	ug/l	100
22) Diisopropyl ether	6.689	45	384939	47.711	ug/l	100
23) Vinyl Acetate	6.618	43	1649023	241.910	ug/l	100
24) 1,1-Dichloroethane	6.583	63	220477	47.485	ug/l	100
25) 2-Butanone	7.494	43	571221	238.693	ug/l	100
26) 2,2-Dichloropropane	7.500	77	187567	51.933	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	144911	47.189	ug/l	100
28) Bromochloromethane	7.824	49	96707	42.362	ug/l	100
29) Tetrahydrofuran	7.853	42	371357	238.210	ug/l	100
30) Chloroform	7.977	83	220093	47.467	ug/l	100
31) Cyclohexane	8.271	56	208105	46.217	ug/l	100
32) 1,1,1-Trichloroethane	8.177	97	185502	47.037	ug/l	100
36) 1,1-Dichloropropene	8.377	75	158341	47.362	ug/l	100
37) Ethyl Acetate	7.577	43	203091	47.720	ug/l	100
38) Carbon Tetrachloride	8.371	117	154677	47.126	ug/l	100
39) Methylcyclohexane	9.606	83	215849	47.126	ug/l	100
40) Benzene	8.612	78	509334	46.590	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.789	41	114727	48.000	ug/l		100
42) 1,2-Dichloroethane	8.677	62	155713	46.960	ug/l		100
43) Isopropyl Acetate	8.694	43	322741	47.248	ug/l		100
44) Trichloroethene	9.359	130	123847	47.776	ug/l		100
45) 1,2-Dichloropropane	9.630	63	125673	47.251	ug/l		100
46) Dibromomethane	9.718	93	83811	47.442	ug/l		100
47) Bromodichloromethane	9.894	83	173200	47.651	ug/l		100
48) Methyl methacrylate	9.683	41	149019	47.399	ug/l		100
49) 1,4-Dioxane	9.700	88	59060	1032.607	ug/l	#	100
51) 4-Methyl-2-Pentanone	10.447	43	1017688	247.484	ug/l		100
52) Toluene	10.635	92	316219	47.331	ug/l		100
53) t-1,3-Dichloropropene	10.841	75	197475	48.587	ug/l		100
54) cis-1,3-Dichloropropene	10.318	75	208523	47.950	ug/l		100
55) 1,1,2-Trichloroethane	11.018	97	121969	47.445	ug/l		100
56) Ethyl methacrylate	10.882	69	210467	51.401	ug/l		100
57) 1,3-Dichloropropane	11.165	76	212243	47.593	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.165	63	519139	212.570	ug/l		100
59) 2-Hexanone	11.200	43	696567	262.977	ug/l		100
60) Dibromochloromethane	11.359	129	128715	48.056	ug/l		100
61) 1,2-Dibromoethane	11.471	107	124522	47.258	ug/l		100
64) Tetrachloroethene	11.106	164	97679	46.382	ug/l		100
65) Chlorobenzene	11.894	112	340439	46.386	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.965	131	112333	47.615	ug/l		100
67) Ethyl Benzene	11.965	91	597593	47.271	ug/l		100
68) m/p-Xylenes	12.071	106	466620	96.424	ug/l		100
69) o-Xylene	12.400	106	224299	48.395	ug/l		100
70) Styrene	12.412	104	386596	48.745	ug/l		100
71) Bromoform	12.582	173	88127	50.415	ug/l	#	100
73) Isopropylbenzene	12.694	105	573905	47.023	ug/l		100
74) N-amyl acetate	12.512	43	212064	52.353	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.941	83	197360	47.732	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	267483	66.959	ug/l		68
77) Bromobenzene	12.982	156	132381	47.296	ug/l		100
78) n-propylbenzene	13.035	91	705524	47.567	ug/l		100
79) 2-Chlorotoluene	13.124	91	419986	47.216	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	485499	48.181	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	79732	46.089	ug/l		100
82) 4-Chlorotoluene	13.224	91	424066	47.117	ug/l		100
83) tert-Butylbenzene	13.435	119	438417	47.531	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	488189	48.314	ug/l		100
85) sec-Butylbenzene	13.618	105	641523	47.893	ug/l		100
86) p-Isopropyltoluene	13.729	119	533366	48.169	ug/l		100
87) 1,3-Dichlorobenzene	13.735	146	260310	47.269	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	263358	46.907	ug/l		100
89) n-Butylbenzene	14.053	91	512519	47.787	ug/l		100
90) Hexachloroethane	14.335	117	89896	47.896	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	251235	47.486	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	45535	46.049	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	162374	48.061	ug/l		100
94) Hexachlorobutadiene	15.500	225	60866	48.356	ug/l		100
95) Naphthalene	15.641	128	603088	47.958	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	159113	47.402	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

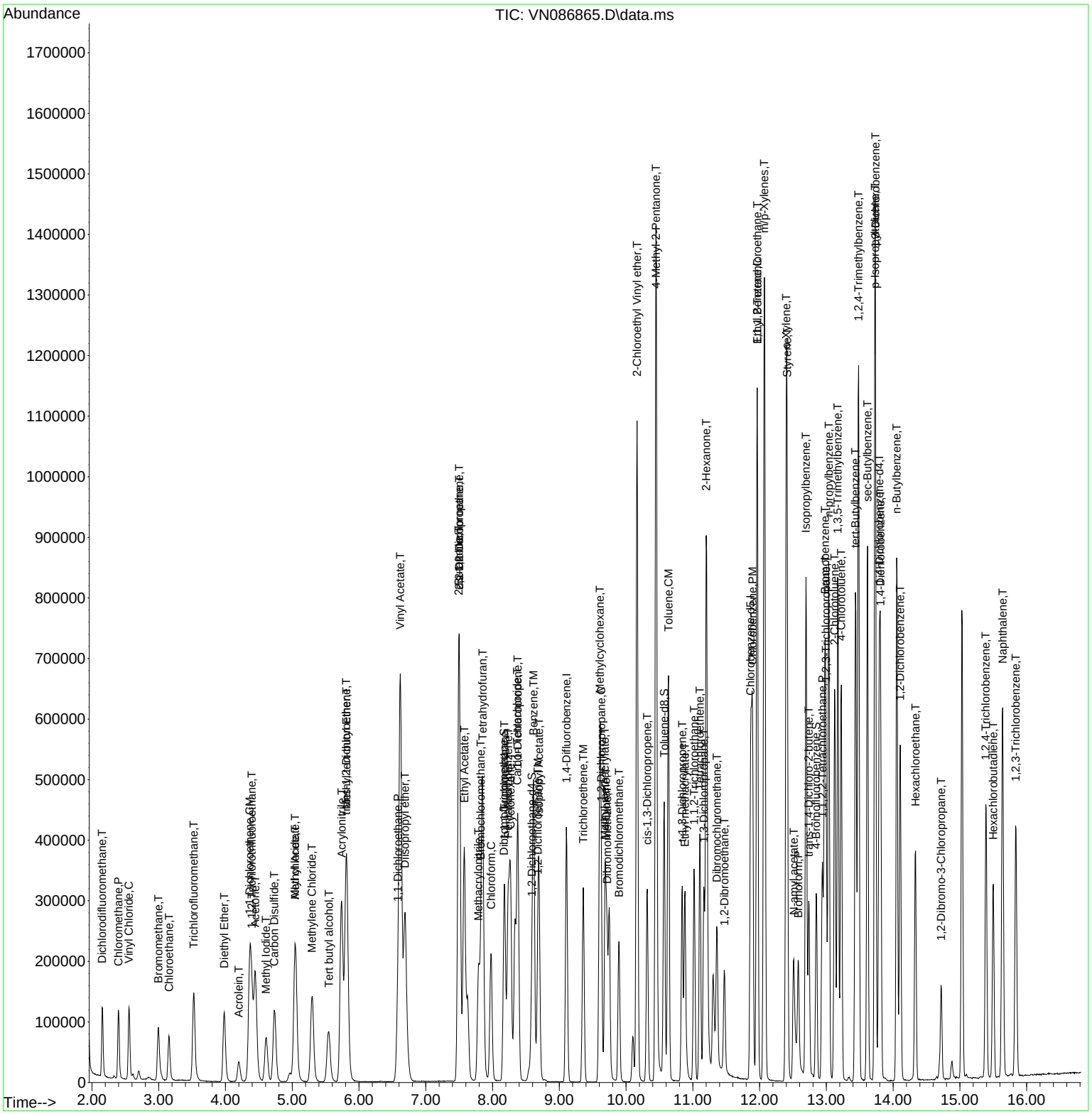
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

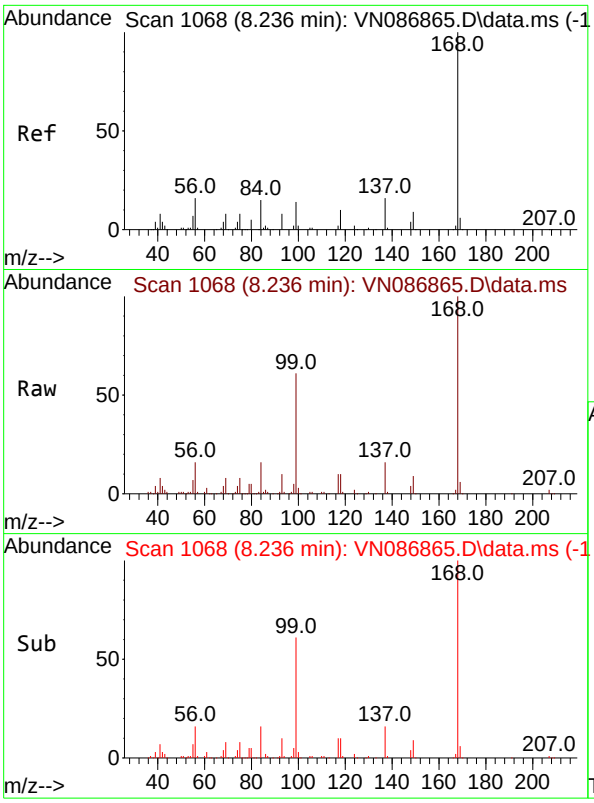
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration



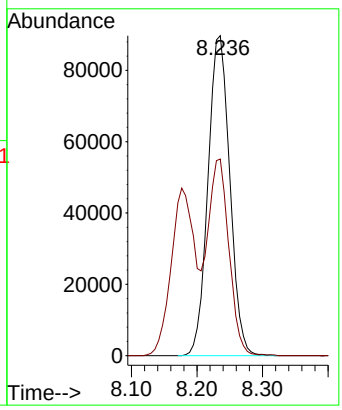


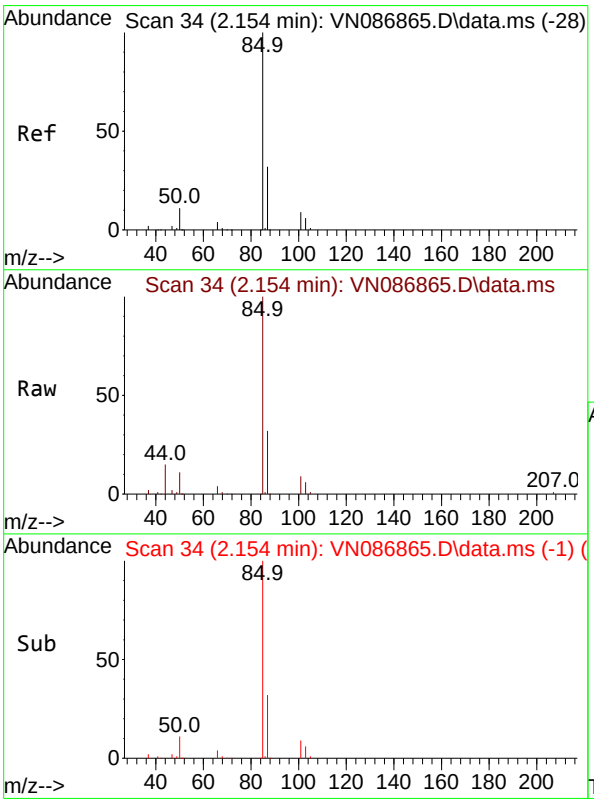
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 207354

Ion	Ratio	Lower	Upper
168	100		
99	61.4	49.1	73.7

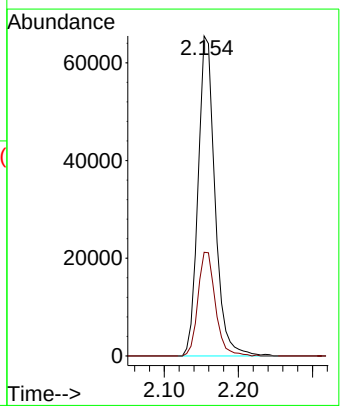


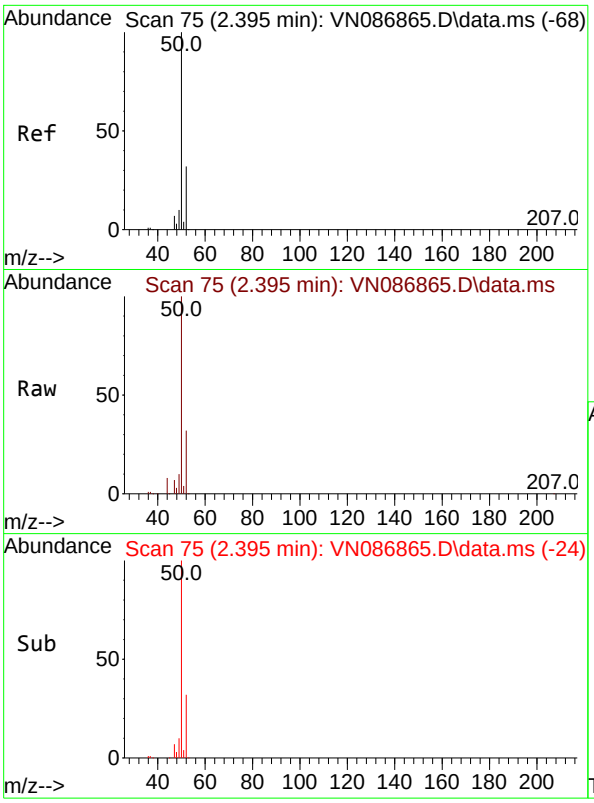


#2
Dichlorodifluoromethane
Concen: 50.283 ug/l
RT: 2.154 min Scan# 34
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 85 Resp: 103958

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.2	48.6



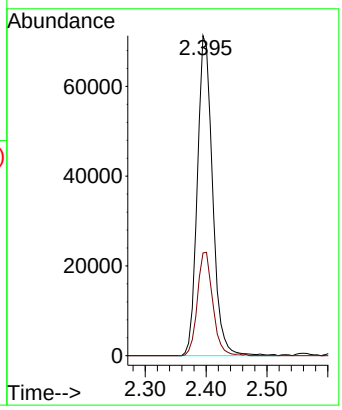


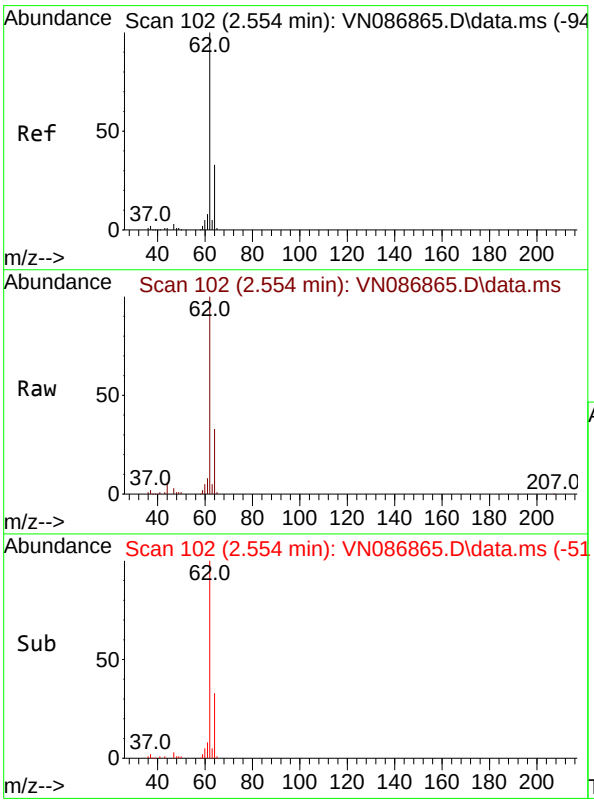
#3
Chloromethane
Concen: 46.397 ug/l
RT: 2.395 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 123866

Ion	Ratio	Lower	Upper
50	100		
52	32.1	25.7	38.5

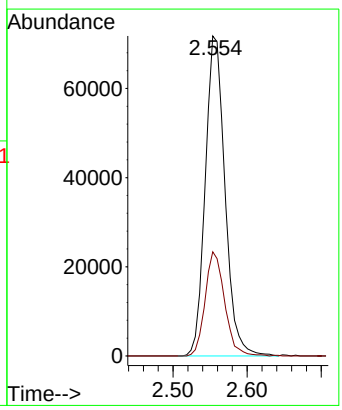


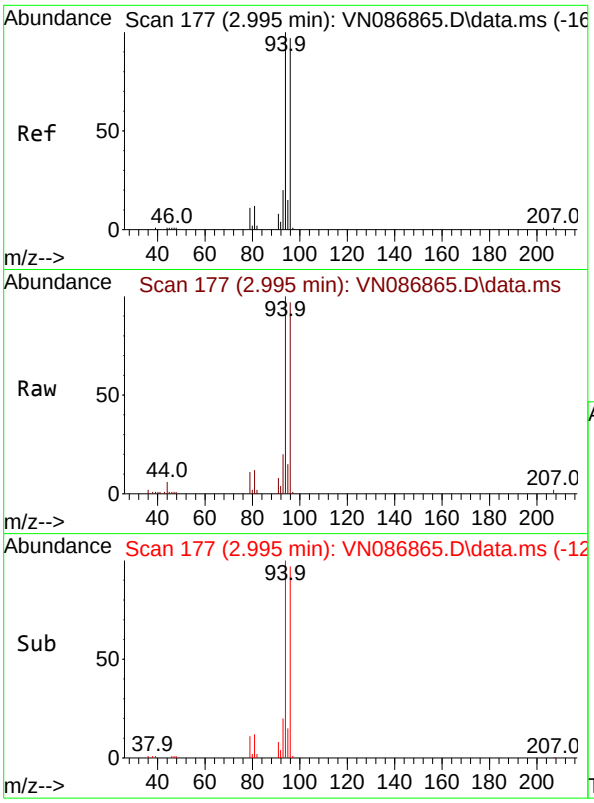


#4
Vinyl Chloride
Concen: 48.215 ug/l
RT: 2.554 min Scan# 102
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 62 Resp: 132783

Ion	Ratio	Lower	Upper
62	100		
64	32.5	26.0	39.0



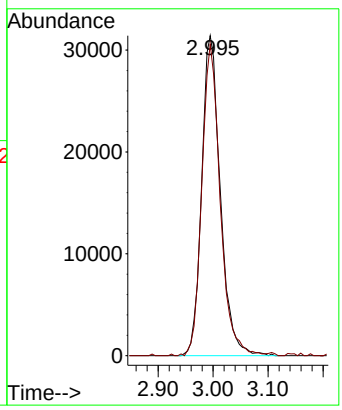


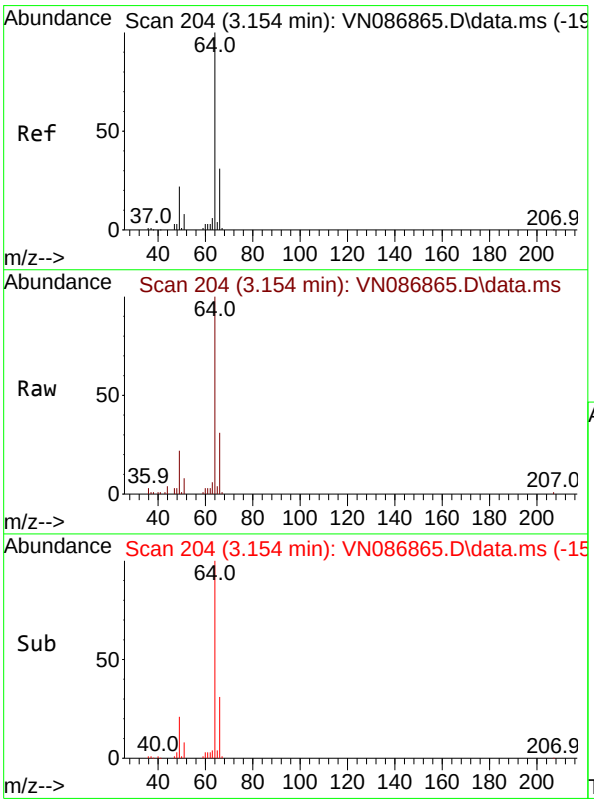
#5
Bromomethane
Concen: 47.999 ug/l
RT: 2.995 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 73974

Ion	Ratio	Lower	Upper
94	100		
96	97.4	77.9	116.9

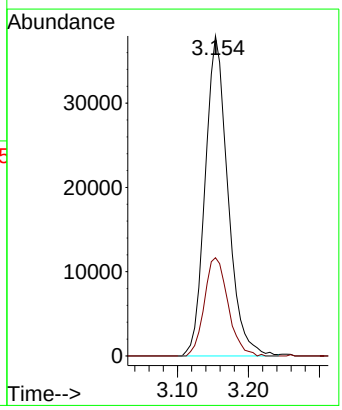


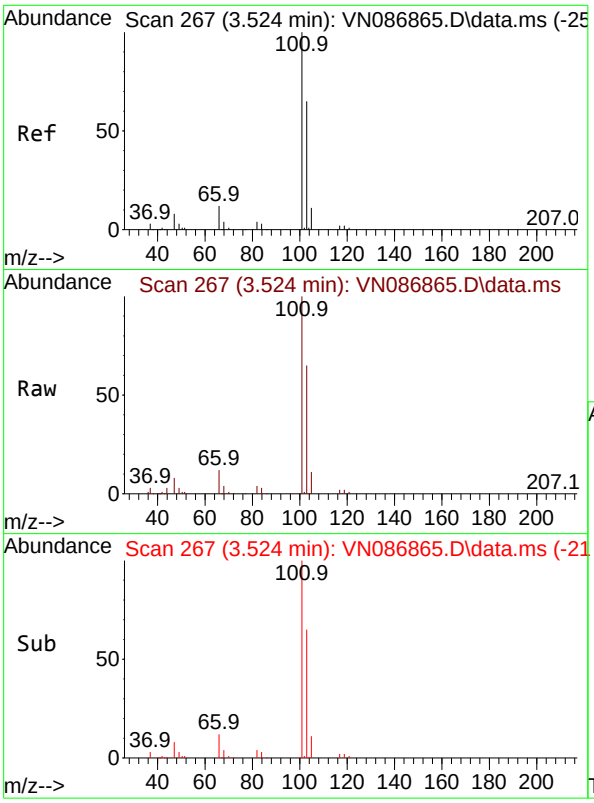


#6
Chloroethane
Concen: 47.504 ug/l
RT: 3.154 min Scan# 204
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 64 Resp: 84505

Ion	Ratio	Lower	Upper
64	100		
66	30.7	24.6	36.8



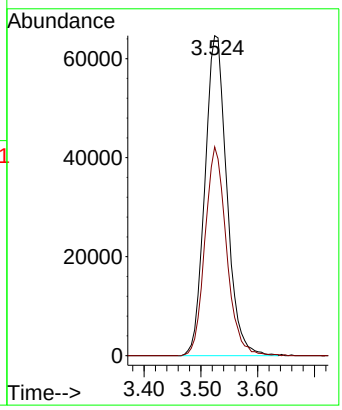


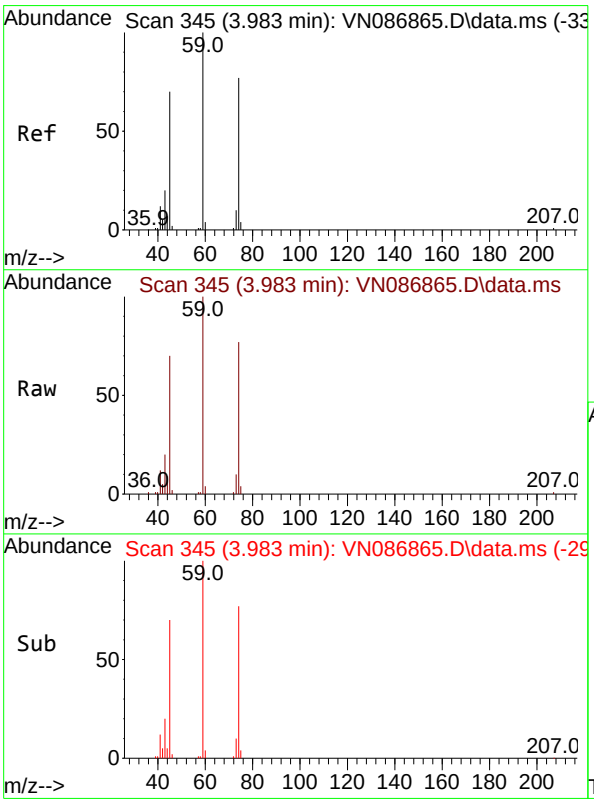
#7
Trichlorofluoromethane
Concen: 48.041 ug/l
RT: 3.524 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 172860

Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.2	78.2

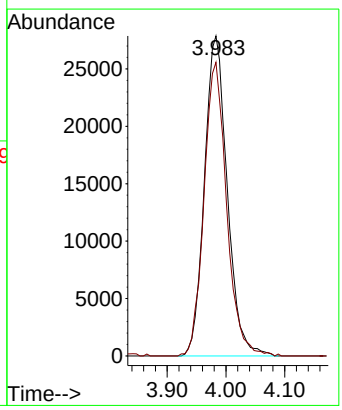


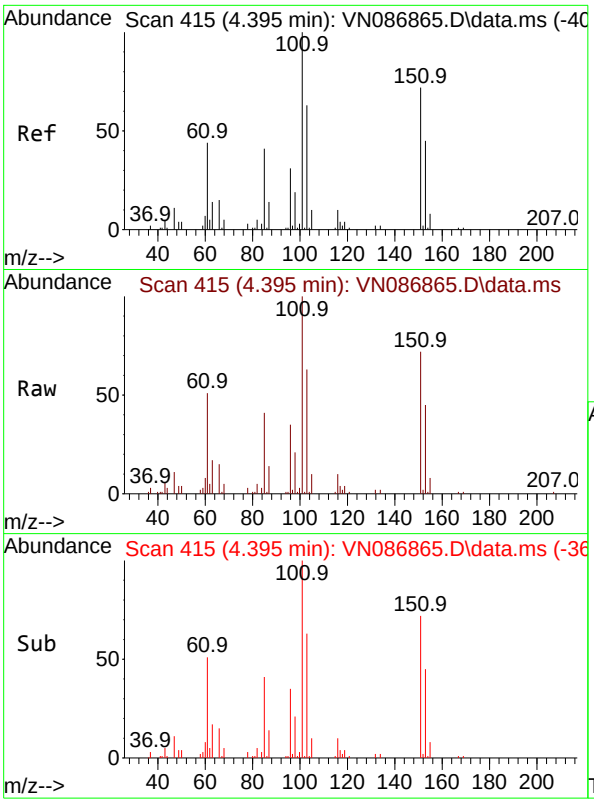


#8
Diethyl Ether
Concen: 47.963 ug/l
RT: 3.983 min Scan# 345
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 74 Resp: 75193

Ion	Ratio	Lower	Upper
74	100		
45	91.0	45.5	136.5



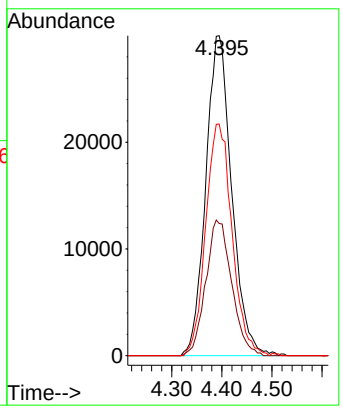


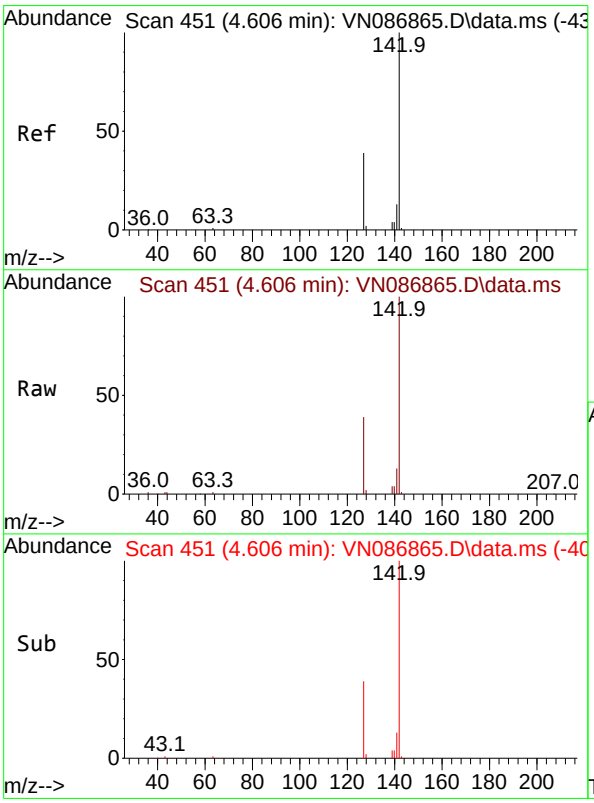
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.640 ug/l
RT: 4.395 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 107695

Ion	Ratio	Lower	Upper
101	100		
85	42.3	33.8	50.8
151	73.4	58.7	88.1

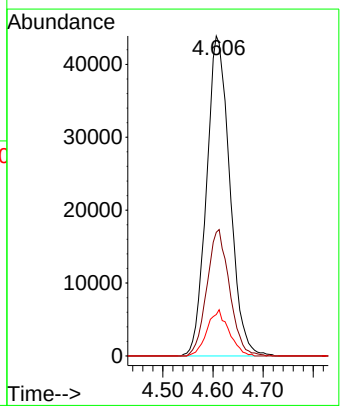


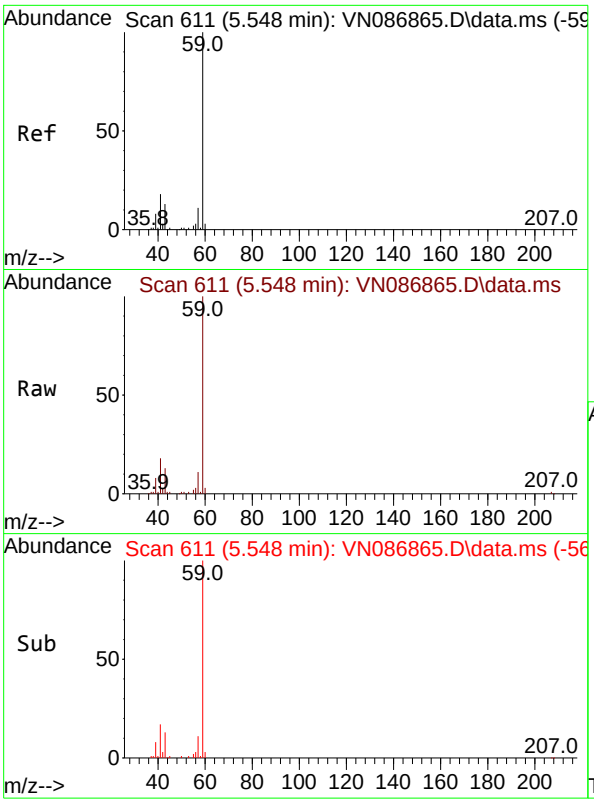


#10
Methyl Iodide
Concen: 48.346 ug/l
RT: 4.606 min Scan# 451
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:142 Resp: 141678

Ion	Ratio	Lower	Upper
142	100		
127	38.6	30.9	46.3
141	13.0	10.4	15.6



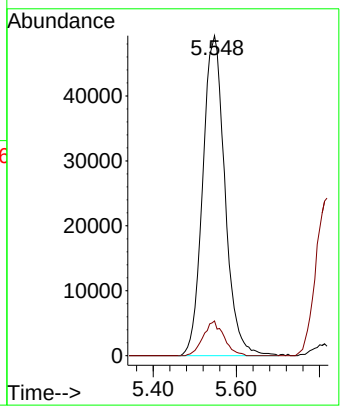


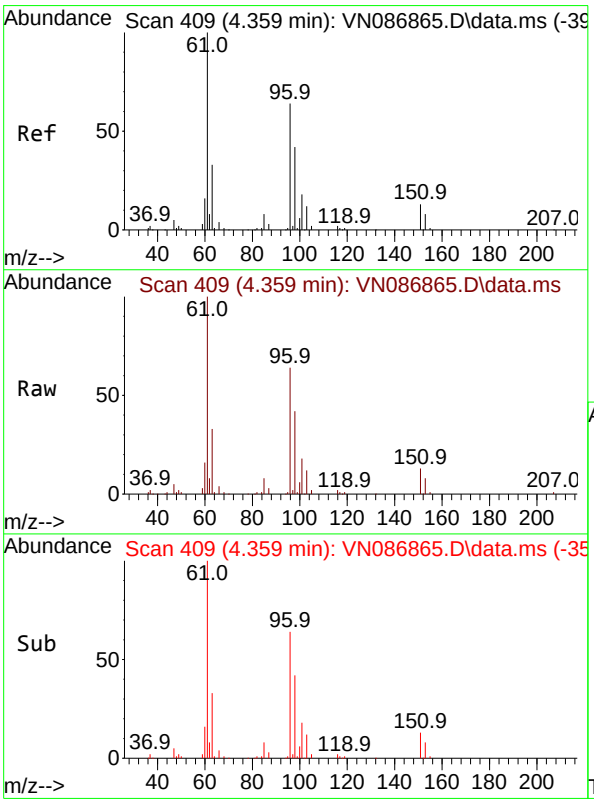
#11
Tert butyl alcohol
Concen: 242.020 ug/l
RT: 5.548 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 182315

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

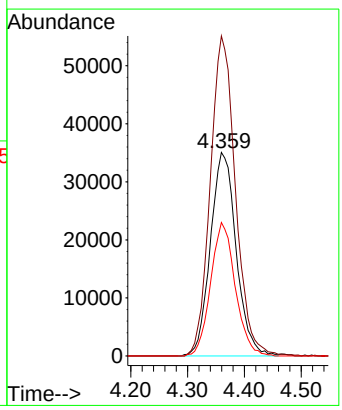


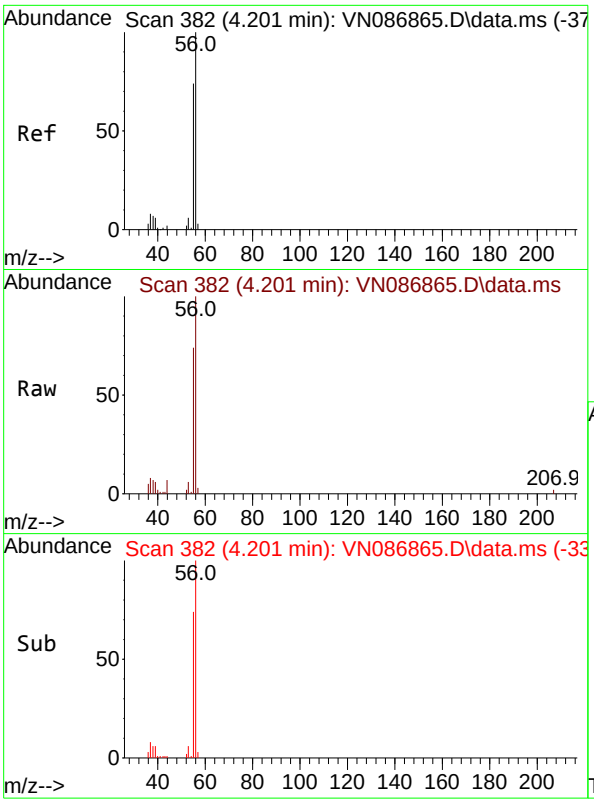


#12
1,1-Dichloroethene
Concen: 47.900 ug/l
RT: 4.359 min Scan# 409
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 96 Resp: 110549

Ion	Ratio	Lower	Upper
96	100		
61	157.2	125.8	188.6
98	65.6	52.5	78.7



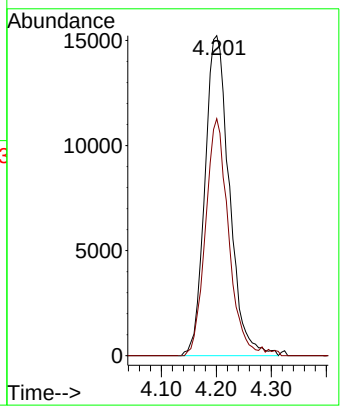


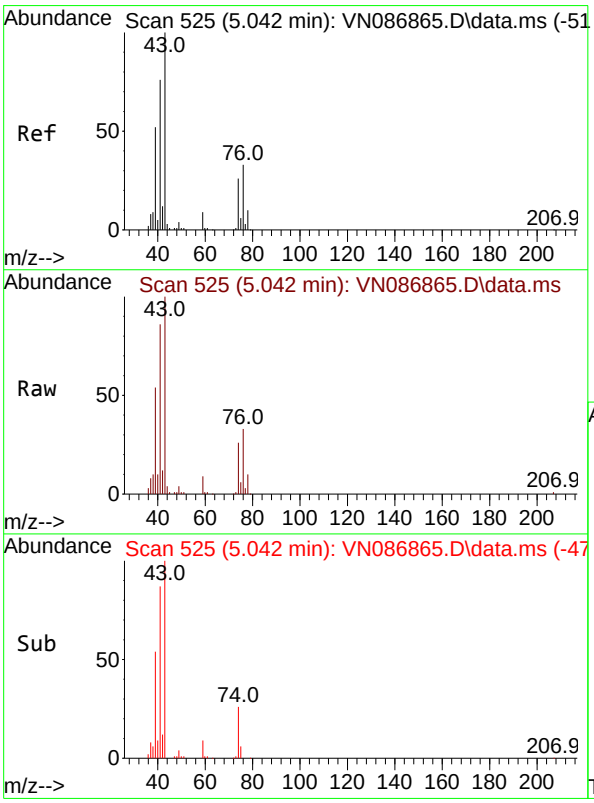
#13
Acrolein
Concen: 197.217 ug/l
RT: 4.201 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 47026

Ion	Ratio	Lower	Upper
56	100		
55	69.5	55.6	83.4

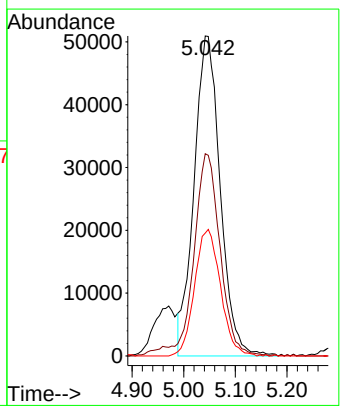


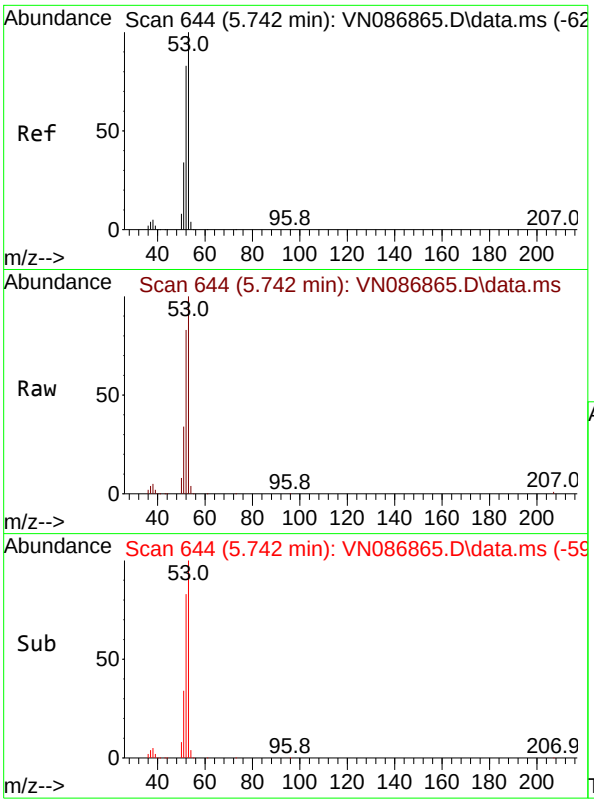


#14
Allyl chloride
Concen: 46.848 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 41 Resp: 179313

Ion	Ratio	Lower	Upper
41	100		
39	64.1	51.3	76.9
76	39.2	31.4	47.0



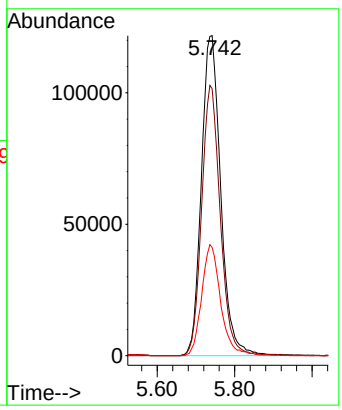


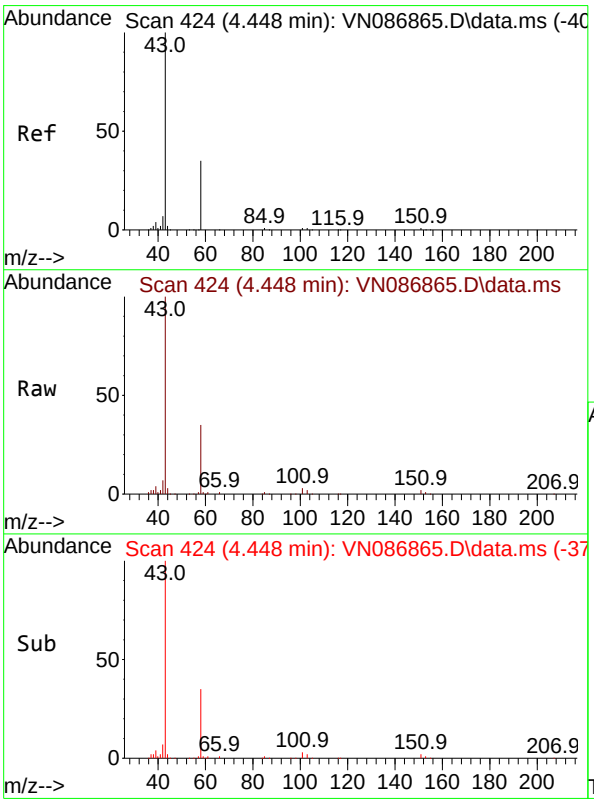
#15
Acrylonitrile
Concen: 239.638 ug/l
RT: 5.742 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 421941

Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.0	97.6
51	34.0	27.2	40.8

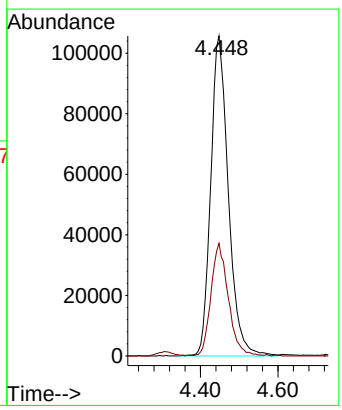


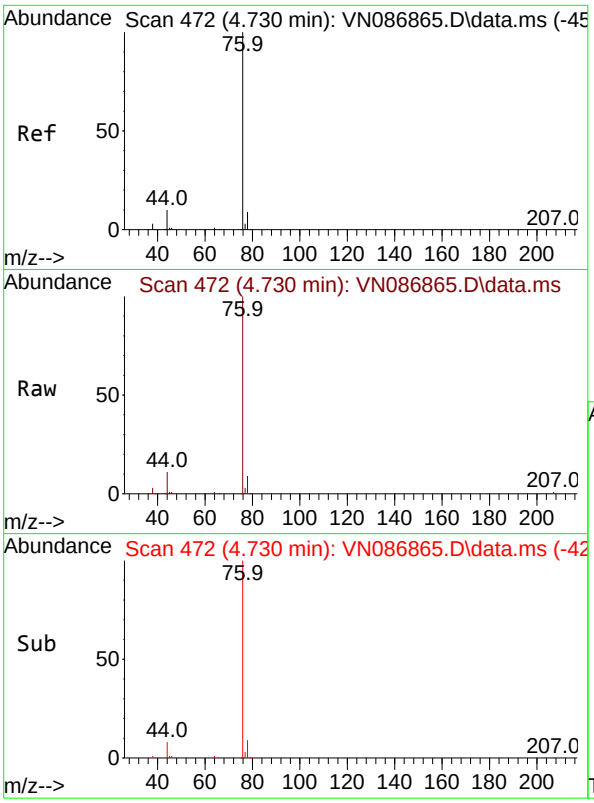


#16
Acetone
Concen: 226.765 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 43 Resp: 333857

Ion	Ratio	Lower	Upper
43	100		
58	35.0	28.0	42.0



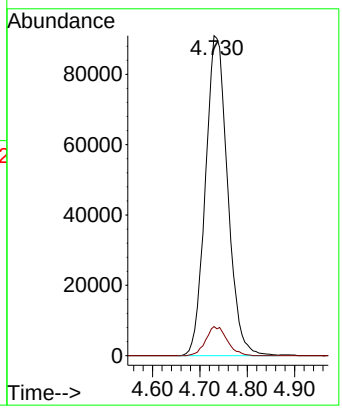


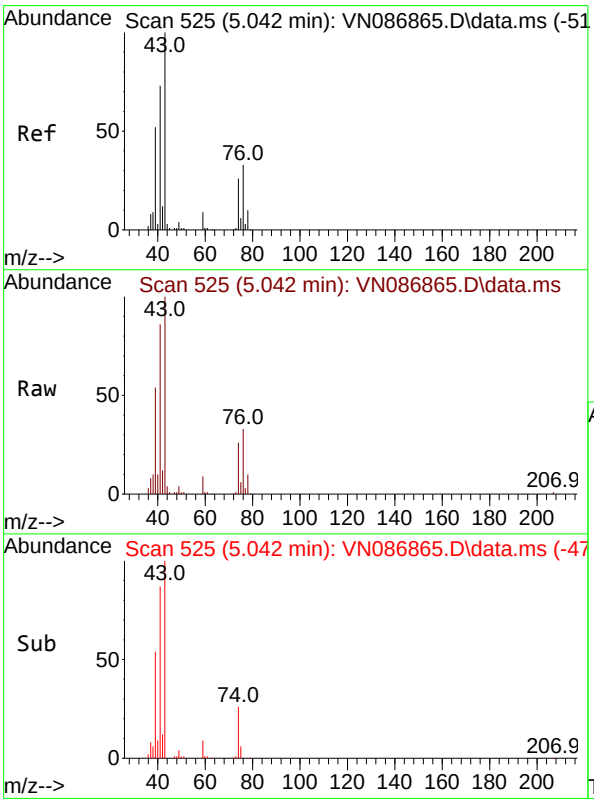
#17
Carbon Disulfide
Concen: 46.328 ug/l
RT: 4.730 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 295753

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

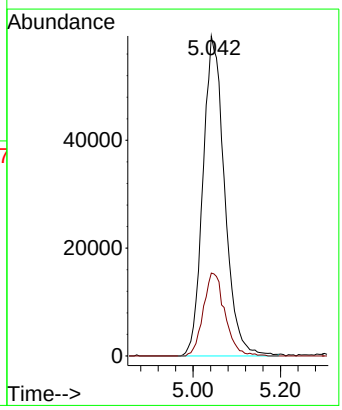


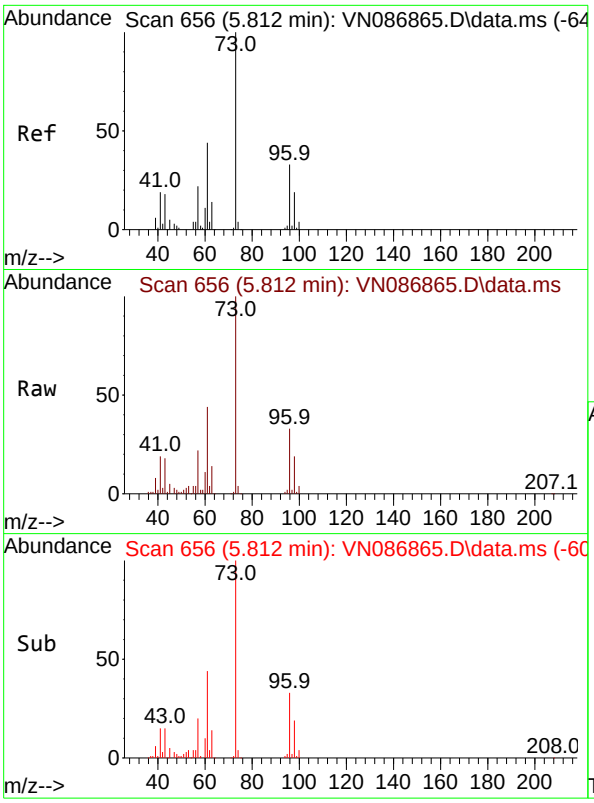


#18
Methyl Acetate
Concen: 47.673 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 43 Resp: 204538

Ion	Ratio	Lower	Upper
43	100		
74	25.9	20.7	31.1



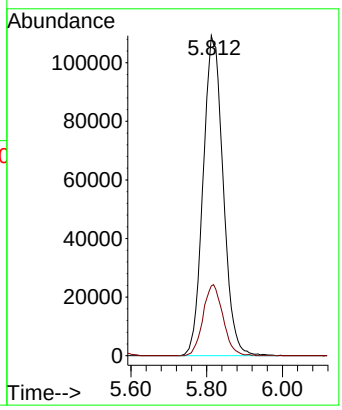


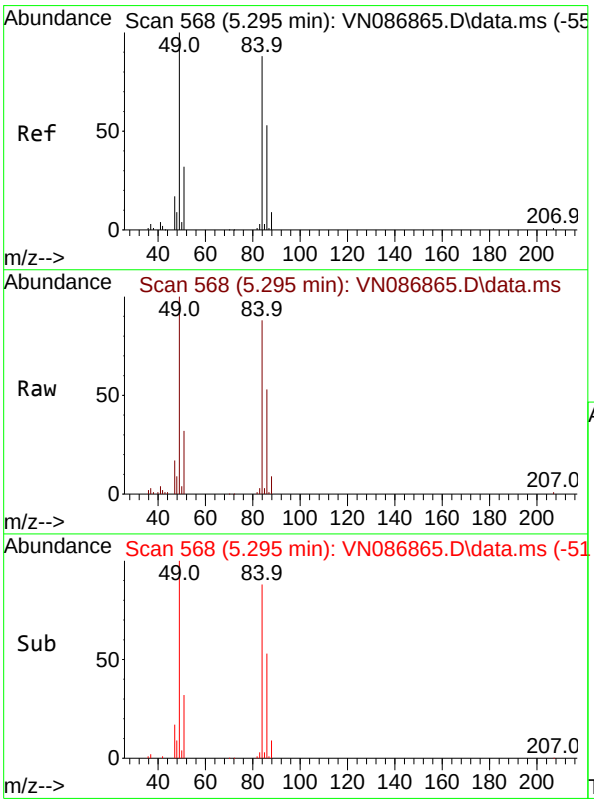
#19
Methyl tert-butyl Ether
Concen: 47.960 ug/l
RT: 5.812 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 400775

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2

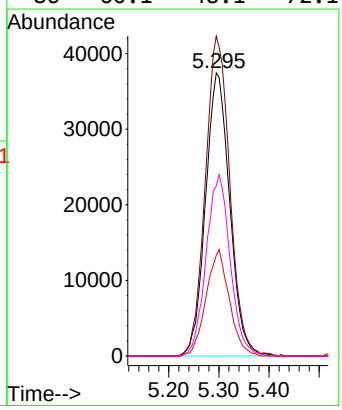


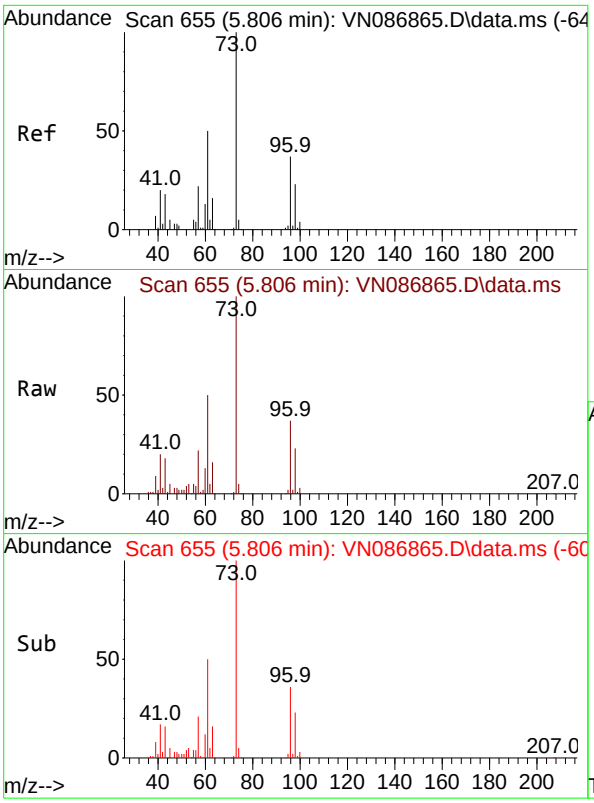


#20
Methylene Chloride
Concen: 45.531 ug/l
RT: 5.295 min Scan# 568
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 84 Resp: 125498

Ion	Ratio	Lower	Upper
84	100		
49	113.1	90.5	135.7
51	35.6	28.5	42.7
86	60.1	48.1	72.1



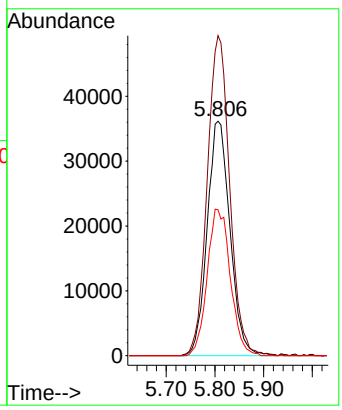


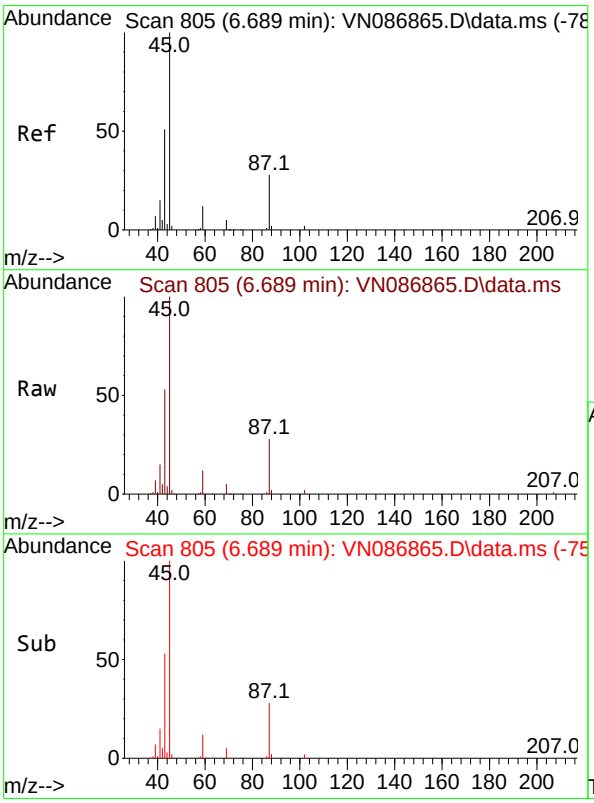
#21
trans-1,2-Dichloroethene
Concen: 45.822 ug/l
RT: 5.806 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 117660

Ion	Ratio	Lower	Upper
96	100		
61	136.5	109.2	163.8
98	62.3	49.8	74.8

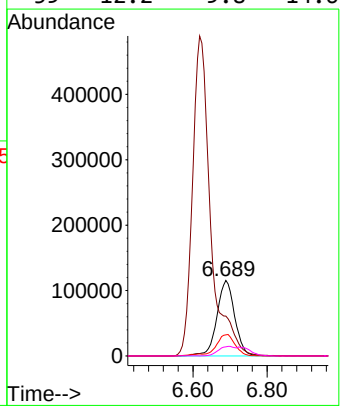


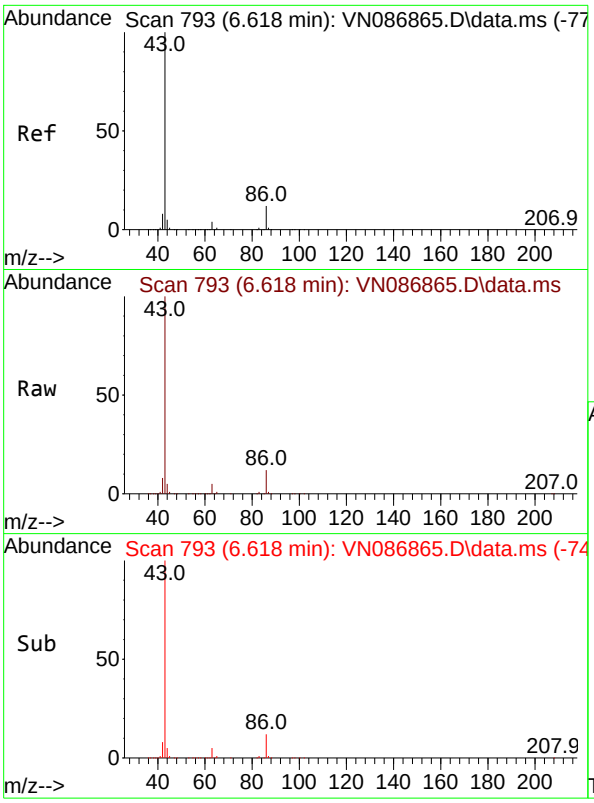


#22
Diisopropyl ether
Concen: 47.711 ug/l
RT: 6.689 min Scan# 805
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 45 Resp: 384939

Ion	Ratio	Lower	Upper
45	100		
43	52.4	41.9	62.9
87	28.0	22.4	33.6
59	12.2	9.8	14.6



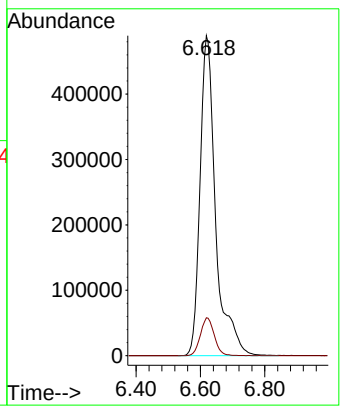


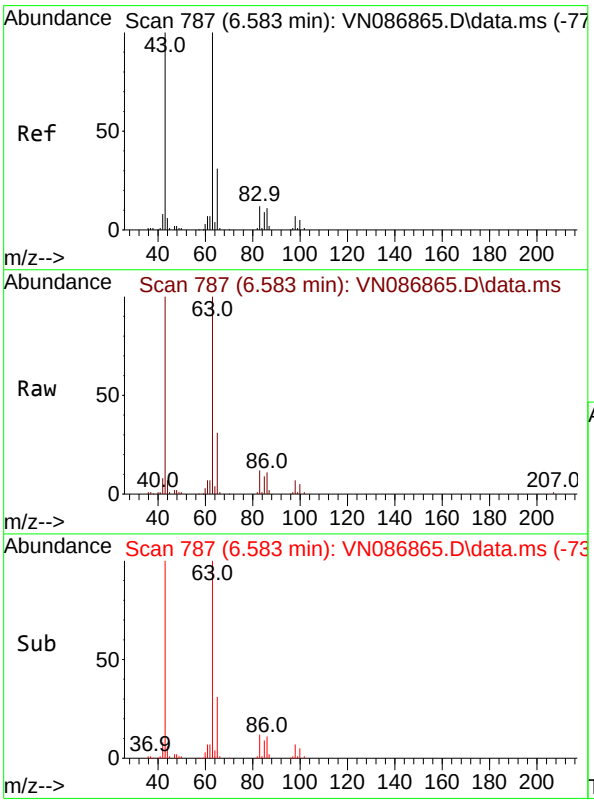
#23
Vinyl Acetate
Concen: 241.910 ug/l
RT: 6.618 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1649023

Ion	Ratio	Lower	Upper
43	100		
86	11.9	9.5	14.3

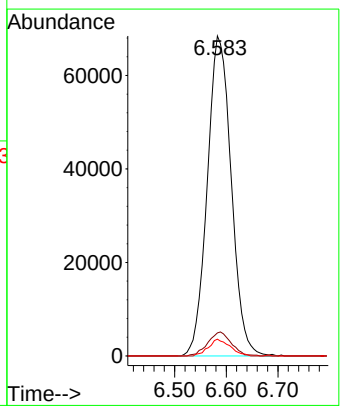


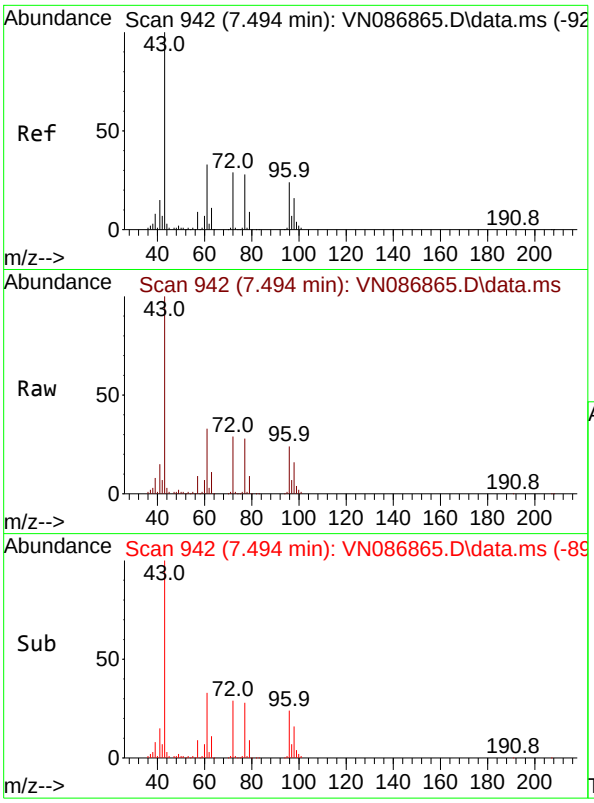


#24
1,1-Dichloroethane
Concen: 47.485 ug/l
RT: 6.583 min Scan# 787
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 63 Resp: 220477

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.6	10.8
100	5.2	2.6	7.8



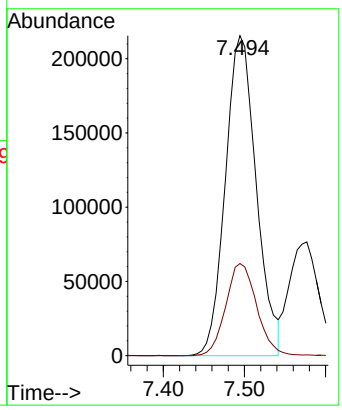


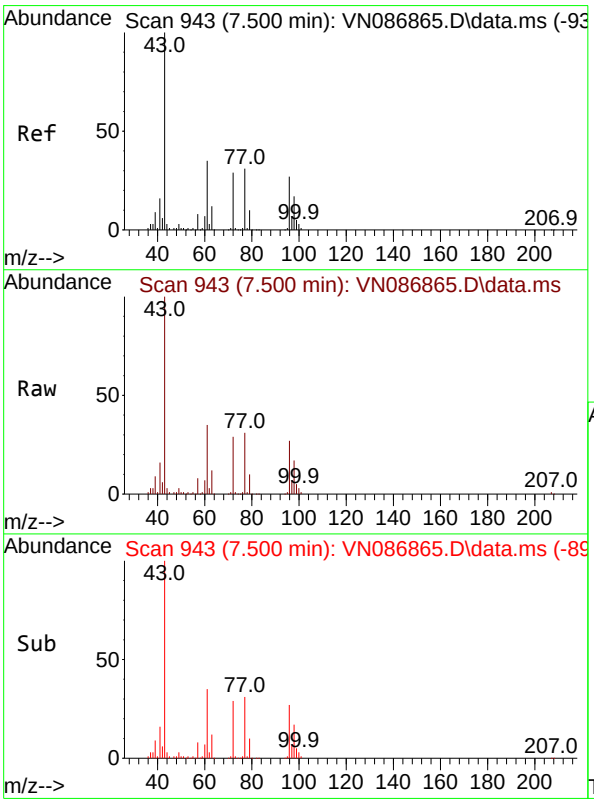
#25
2-Butanone
Concen: 238.693 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 571221

Ion	Ratio	Lower	Upper
43	100		
72	28.8	23.0	34.6

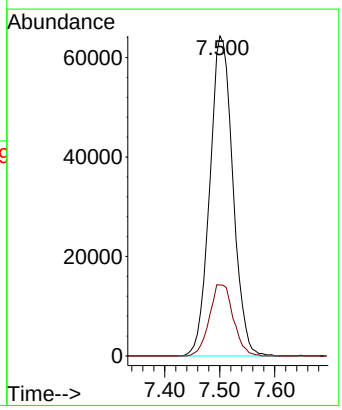


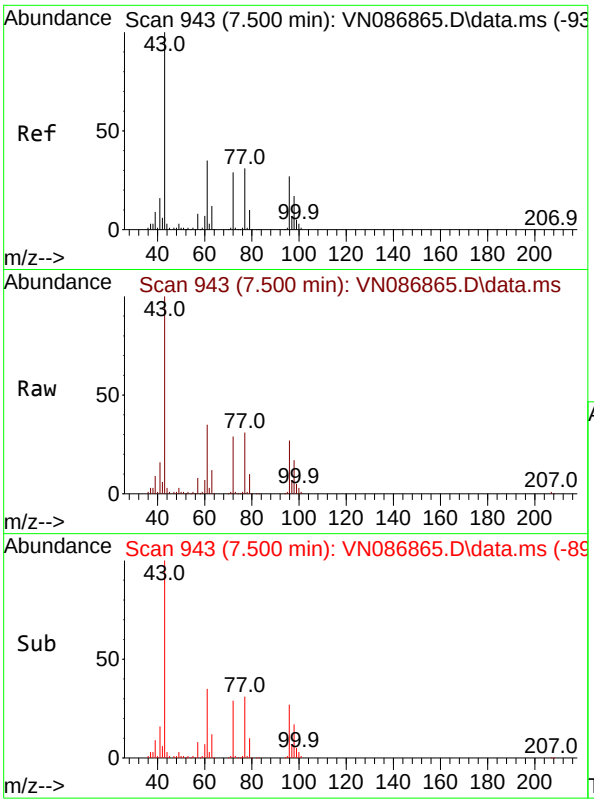


#26
2,2-Dichloropropane
Concen: 51.933 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 77 Resp: 187567

Ion	Ratio	Lower	Upper
77	100		
97	23.1	11.6	34.7



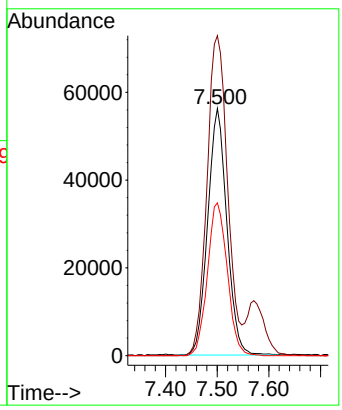


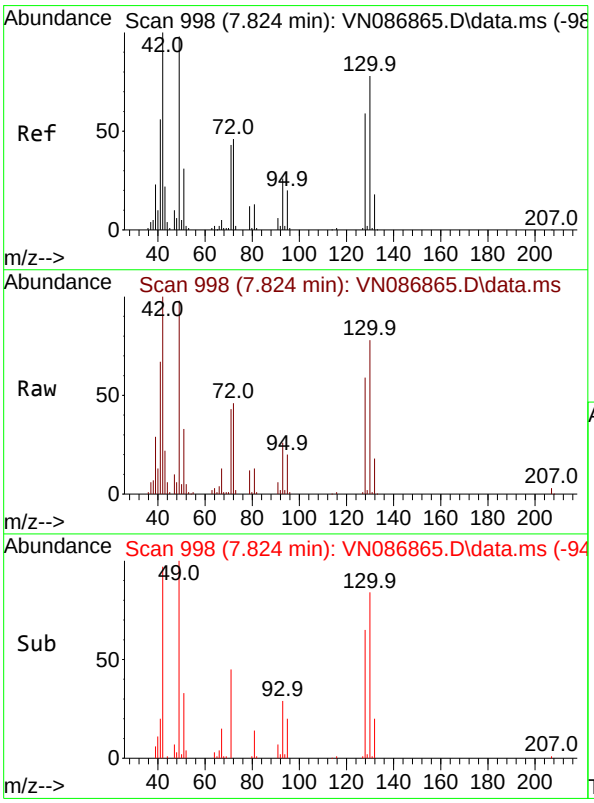
#27
cis-1,2-Dichloroethene
Concen: 47.189 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 144911

Ion	Ratio	Lower	Upper
96	100		
61	139.0	0.0	278.0
98	64.1	0.0	128.2

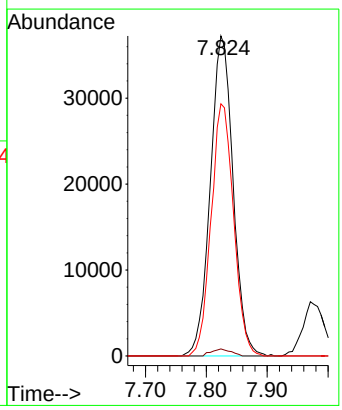


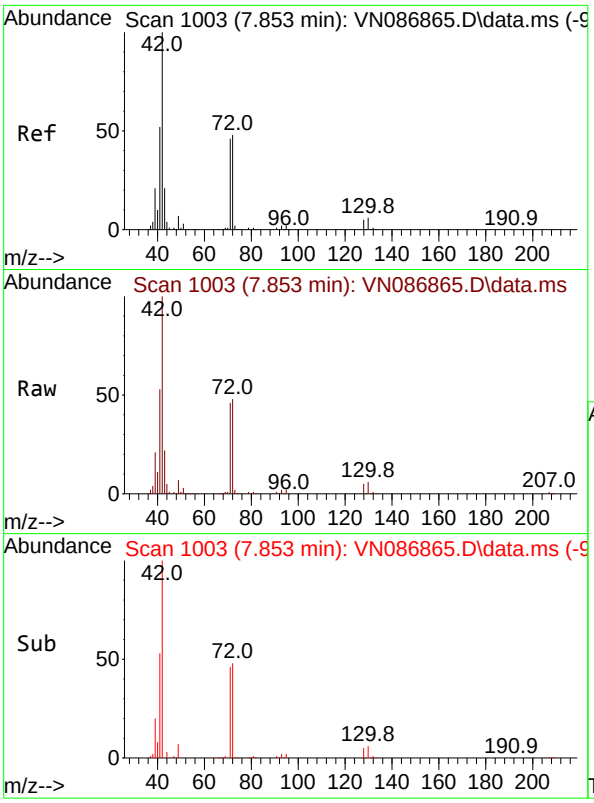


#28
Bromochloromethane
Concen: 42.362 ug/l
RT: 7.824 min Scan# 998
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 49 Resp: 96707

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	77.7	62.2	93.2



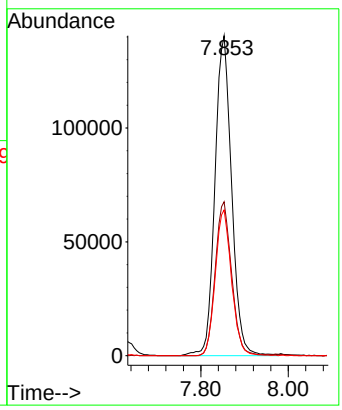


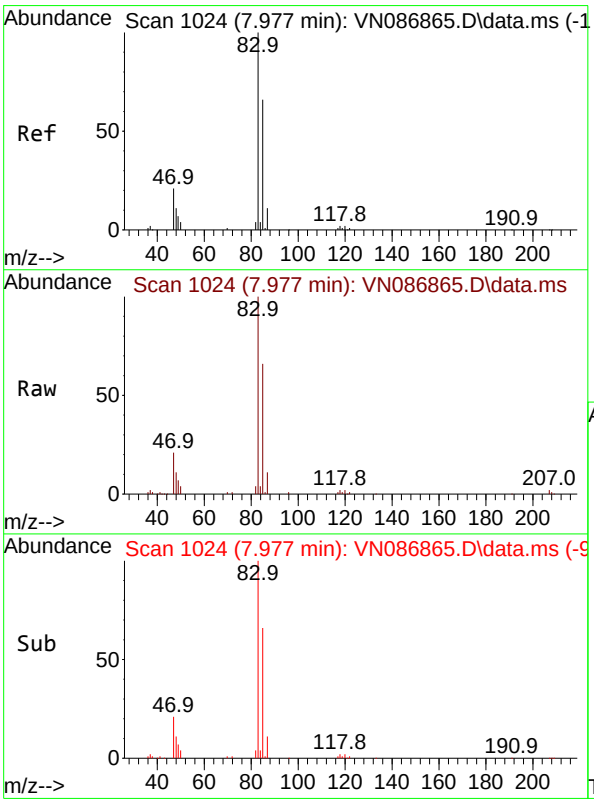
#29
Tetrahydrofuran
Concen: 238.210 ug/l
RT: 7.853 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 371357

Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.8	56.6
71	44.5	35.6	53.4

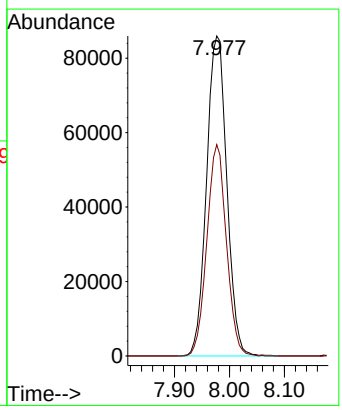


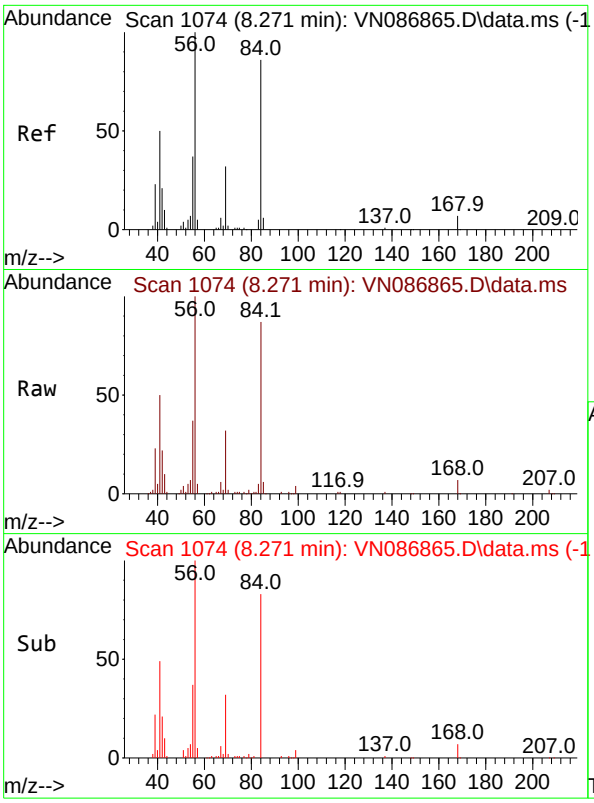


#30
Chloroform
Concen: 47.467 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 83 Resp: 220093

Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.9	79.3



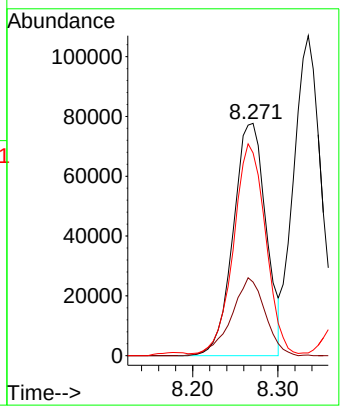


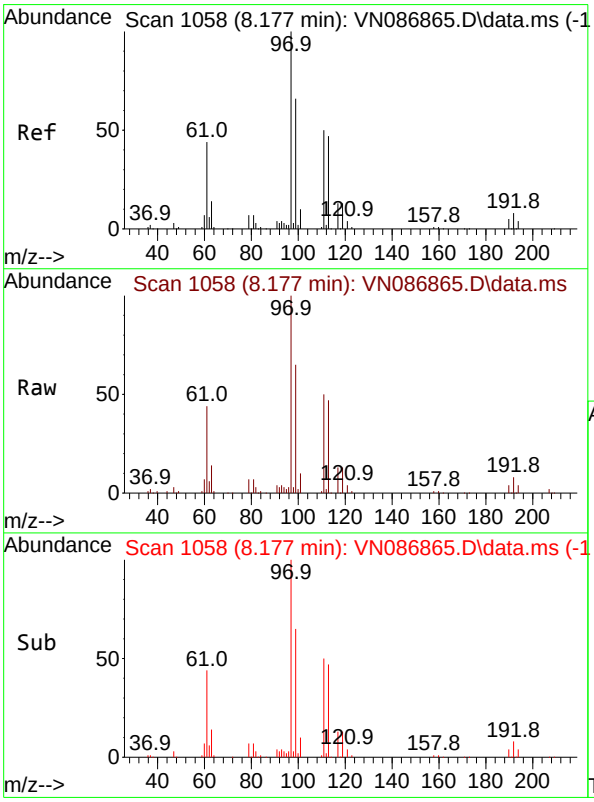
#31
Cyclohexane
Concen: 46.217 ug/l
RT: 8.271 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 208105

Ion	Ratio	Lower	Upper
56	100		
69	31.7	25.4	38.0
84	86.0	68.8	103.2

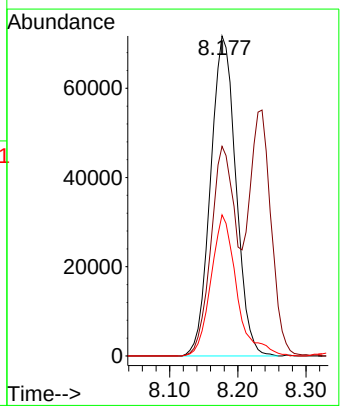


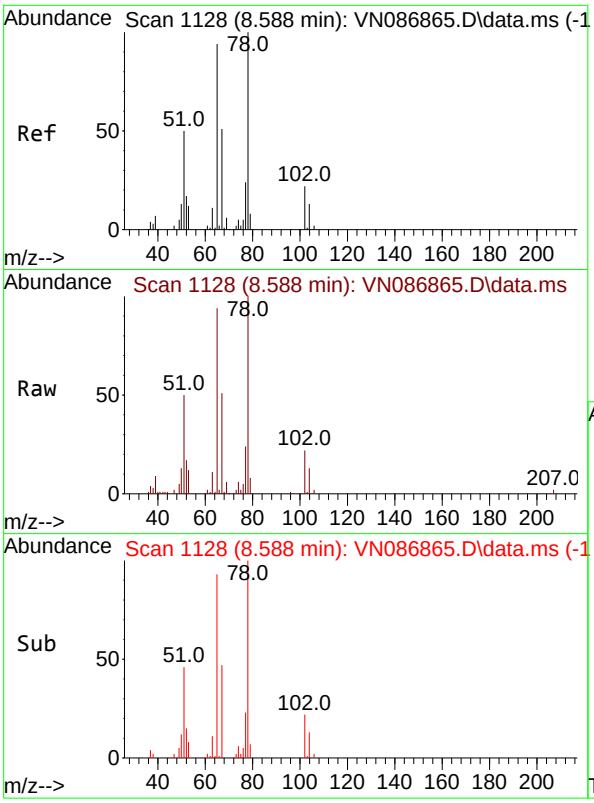


#32
1,1,1-Trichloroethane
Concen: 47.037 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 97 Resp: 185502

Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.0	78.0
61	44.9	35.9	53.9



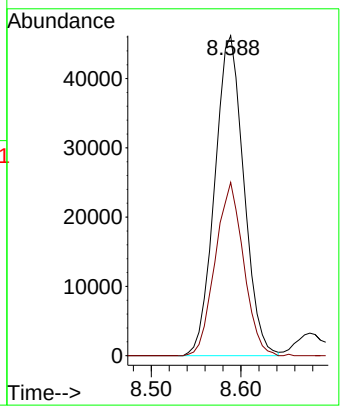


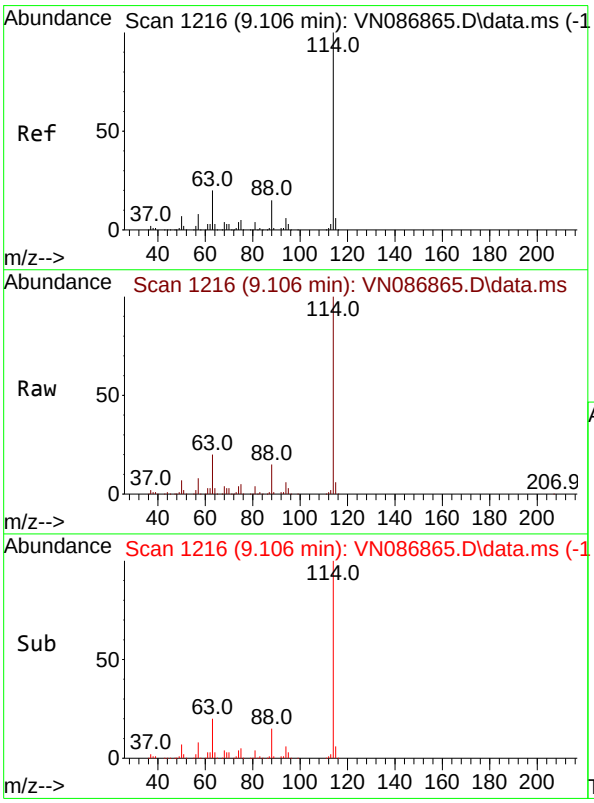
#33
1,2-Dichloroethane-d4
Concen: 37.366 ug/l
RT: 8.588 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 103736

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	105.6

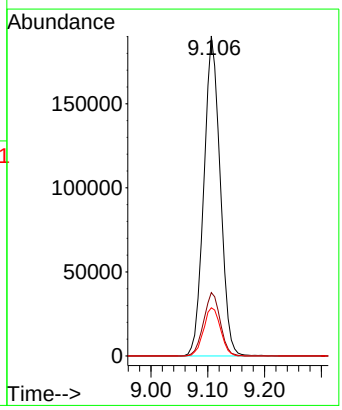


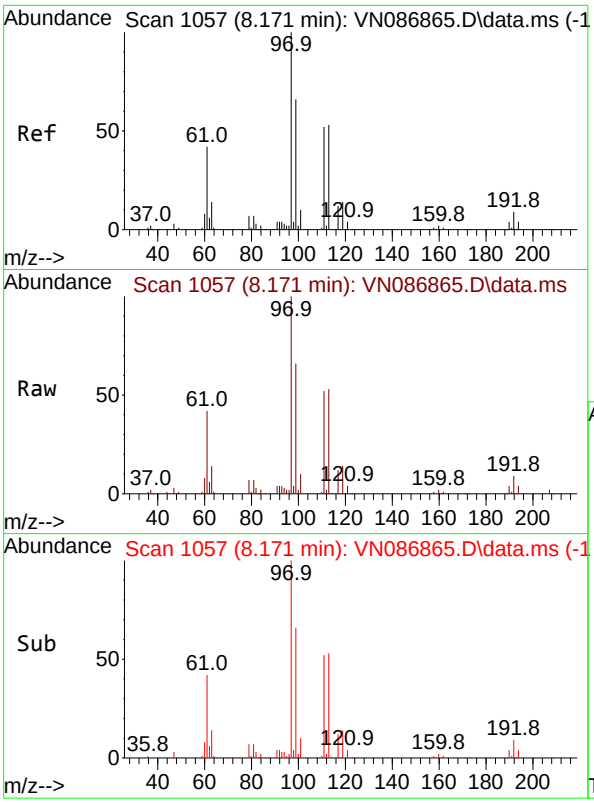


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:114 Resp: 378587

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.6
88	15.1	0.0	30.2



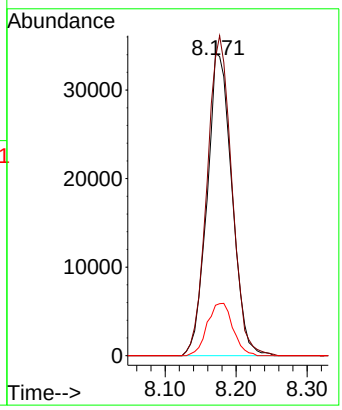


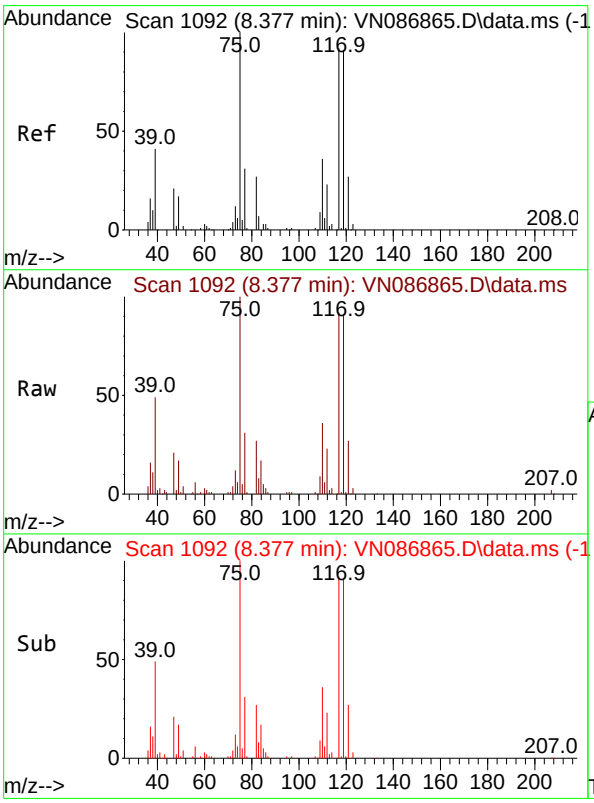
#35
Dibromofluoromethane
Concen: 37.020 ug/l
RT: 8.171 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 83058

Ion	Ratio	Lower	Upper
113	100		
111	105.2	84.2	126.2
192	17.8	14.2	21.4

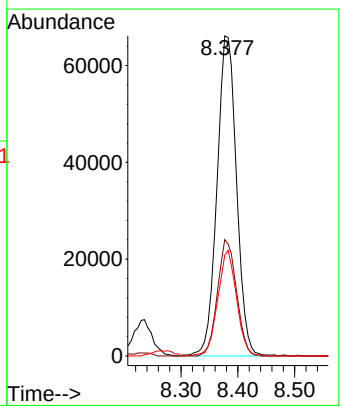


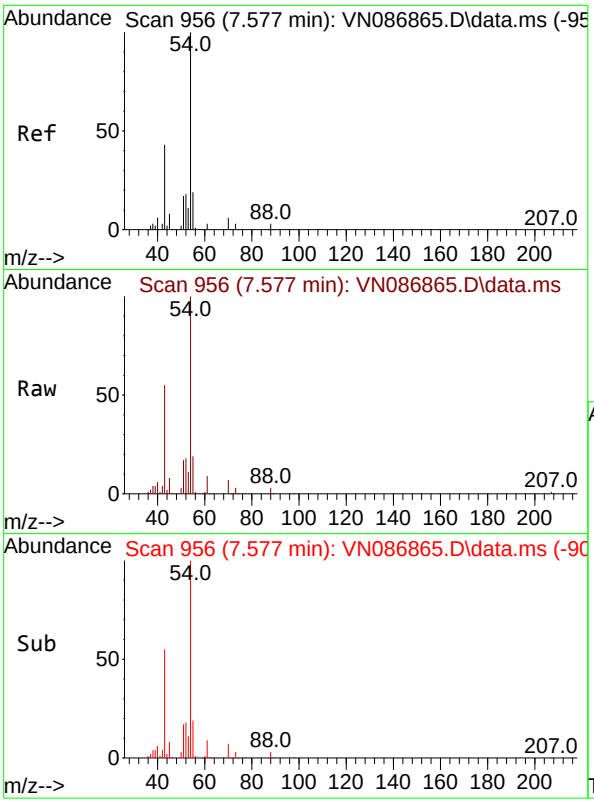


#36
1,1-Dichloropropene
Concen: 47.362 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 75 Resp: 158341

Ion	Ratio	Lower	Upper
75	100		
110	35.3	17.6	52.9
77	31.6	25.3	37.9



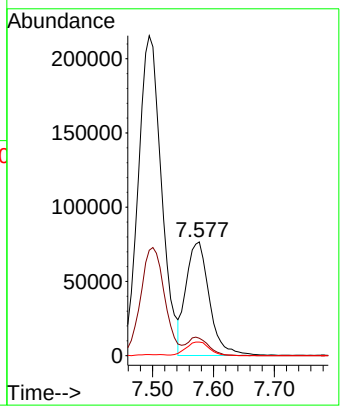


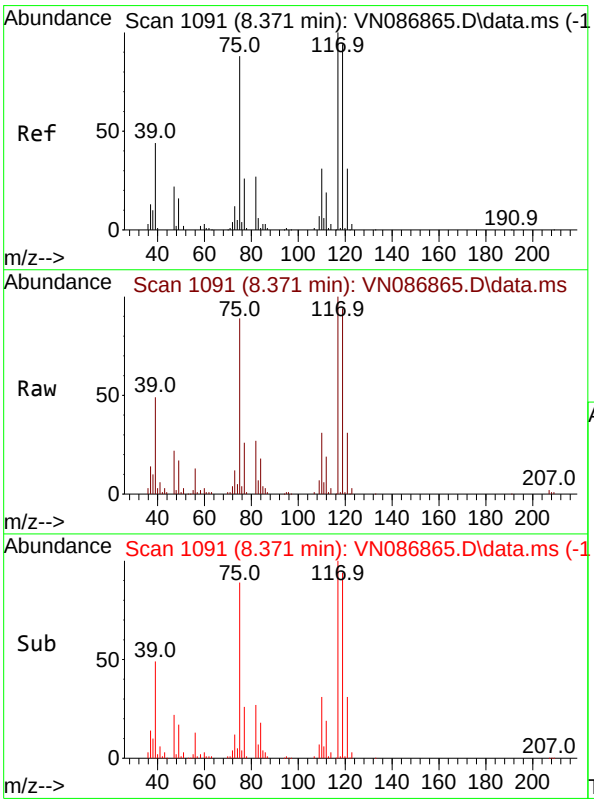
#37
Ethyl Acetate
Concen: 47.720 ug/l
RT: 7.577 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 203091

Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.1	18.1
70	12.2	9.8	14.6

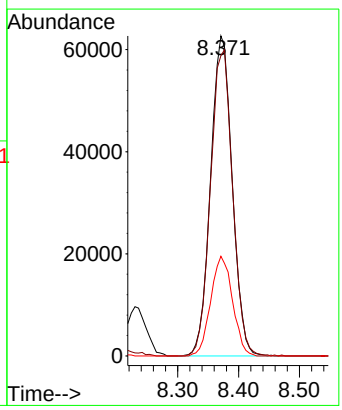


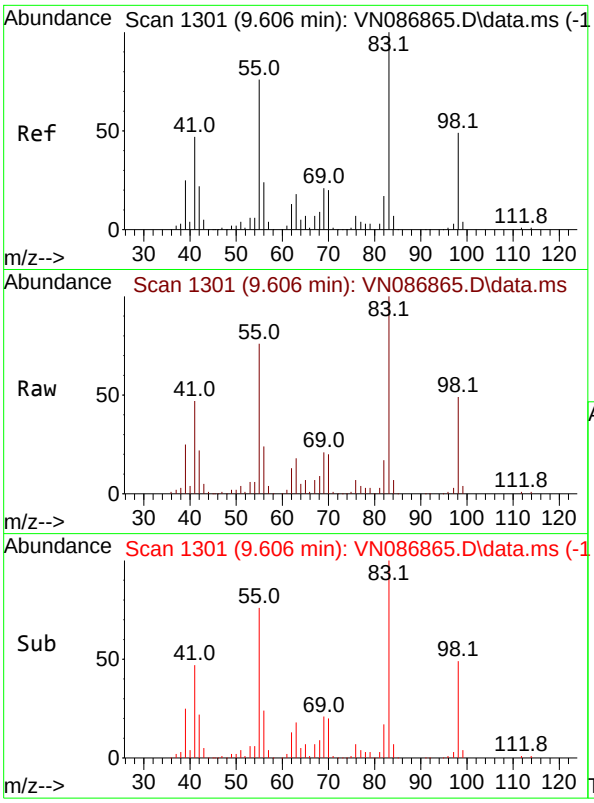


#38
Carbon Tetrachloride
Concen: 47.126 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:117 Resp: 154677

Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.0	112.6
121	31.1	24.9	37.3



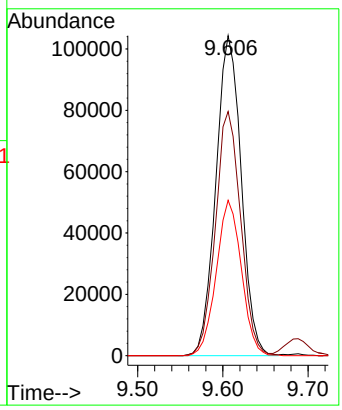


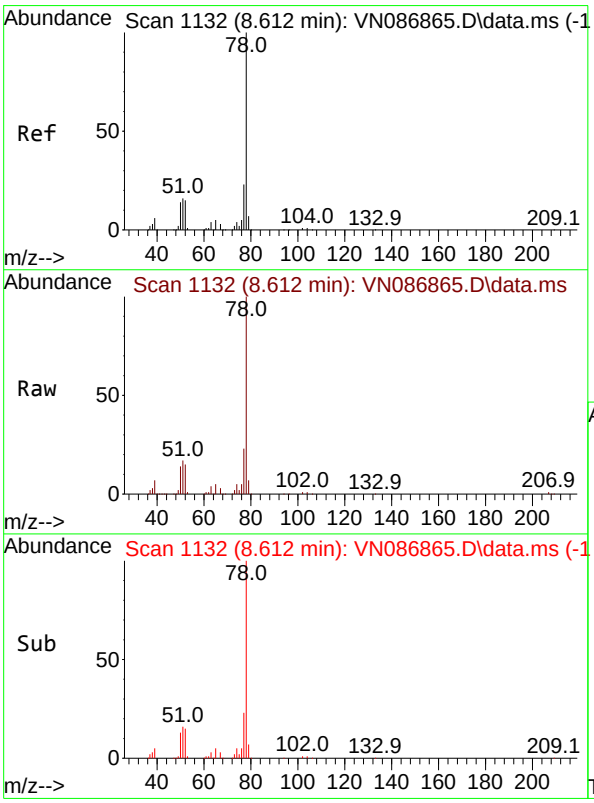
#39
Methylcyclohexane
Concen: 47.126 ug/l
RT: 9.606 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 215849

Ion	Ratio	Lower	Upper
83	100		
55	76.3	61.0	91.6
98	48.6	38.9	58.3

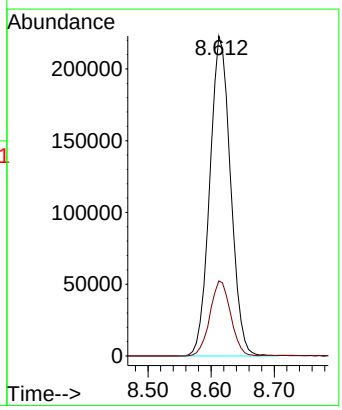


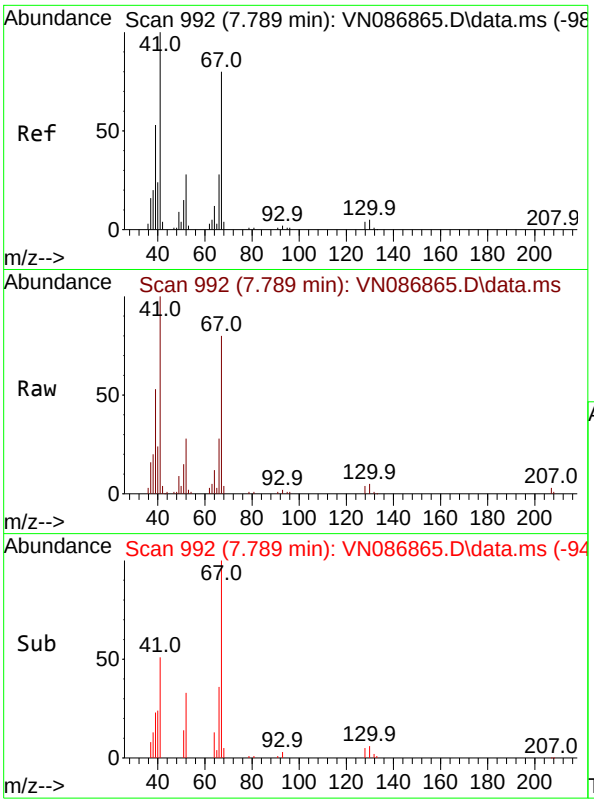


#40
Benzene
Concen: 46.590 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 78 Resp: 509334

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1



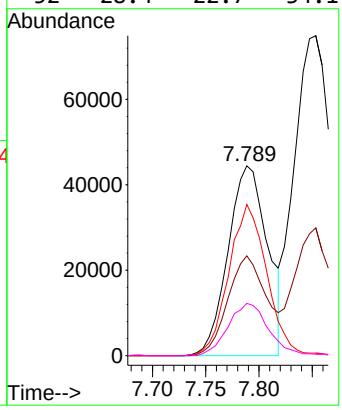


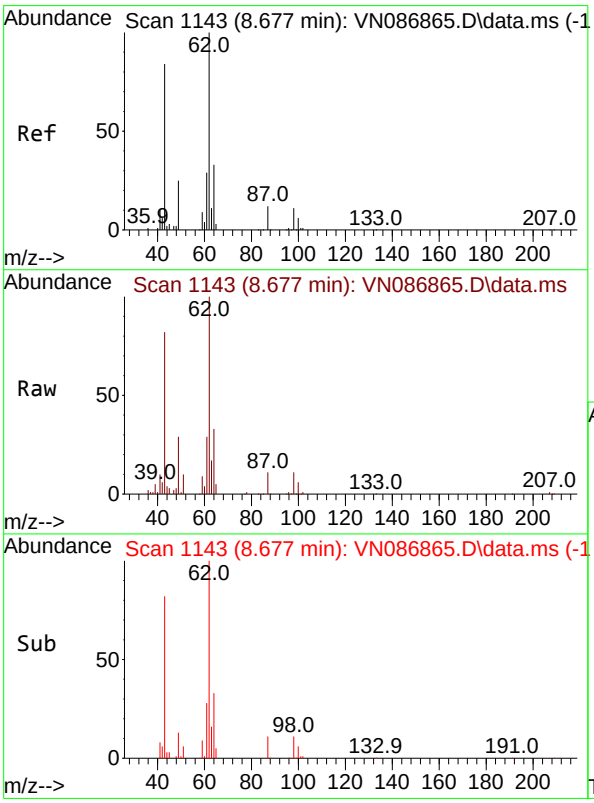
#41
Methacrylonitrile
Concen: 48.000 ug/l
RT: 7.789 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 114727

Ion	Ratio	Lower	Upper
41	100		
39	51.5	41.2	61.8
67	76.8	61.4	92.2
52	28.4	22.7	34.1

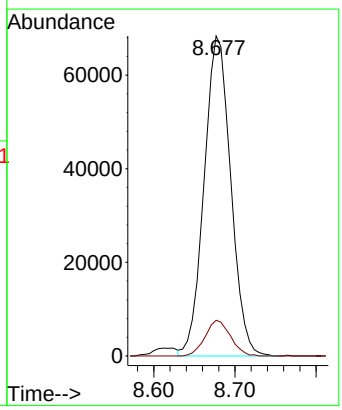


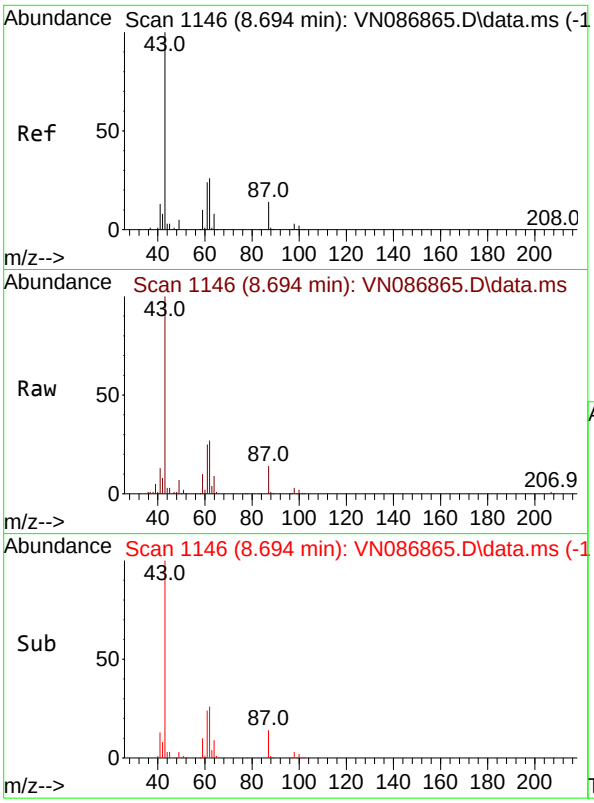


#42
1,2-Dichloroethane
Concen: 46.960 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 62 Resp: 155713

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.2



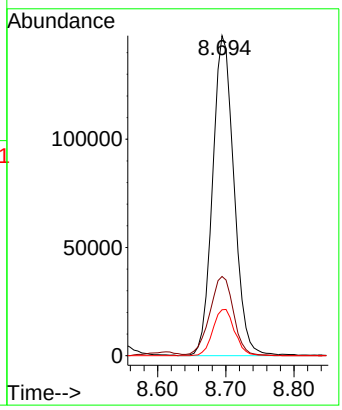


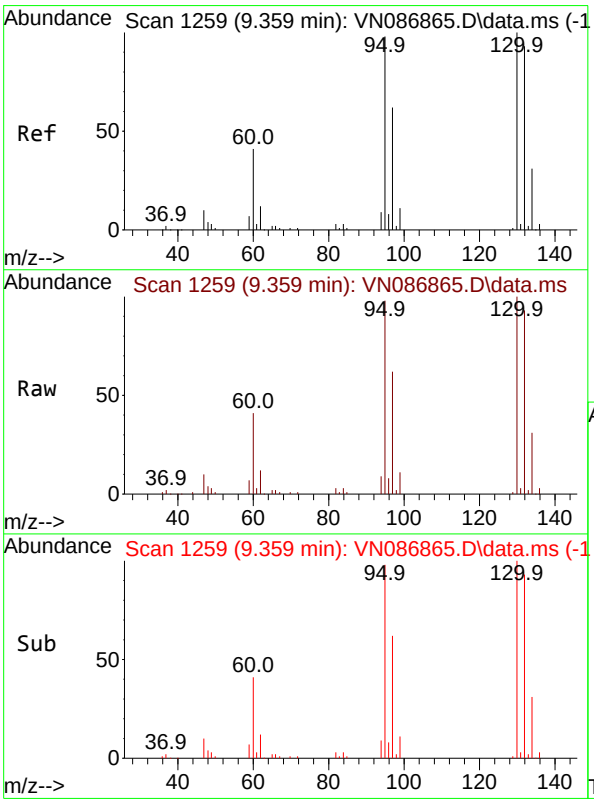
#43
Isopropyl Acetate
Concen: 47.248 ug/l
RT: 8.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 322741

Ion	Ratio	Lower	Upper
43	100		
61	27.6	22.1	33.1
87	14.7	11.8	17.6

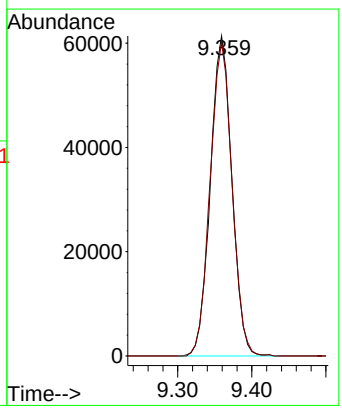


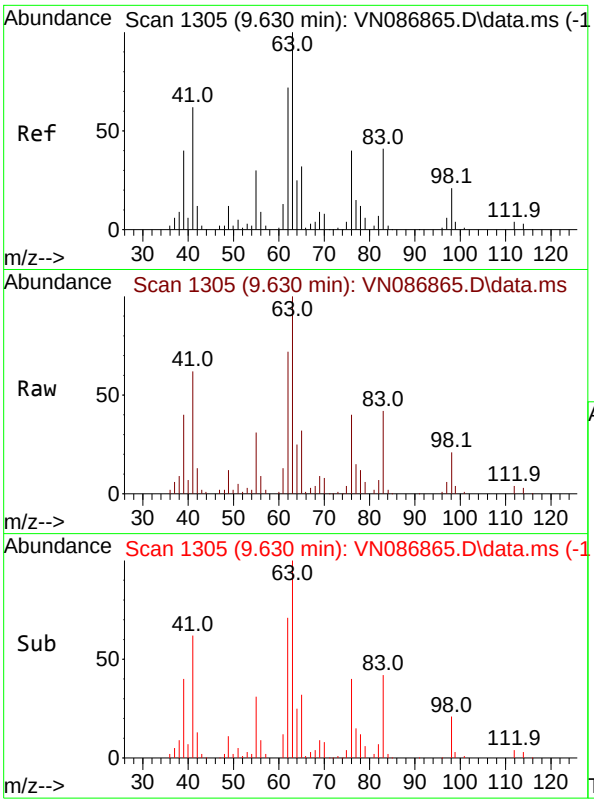


#44
Trichloroethene
Concen: 47.776 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:130 Resp: 123847

Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	196.2



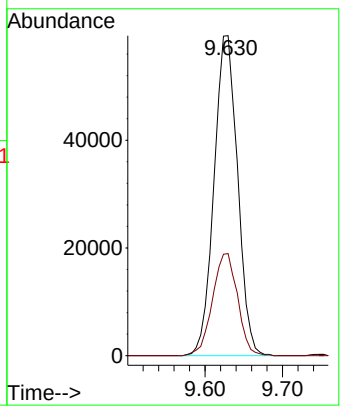


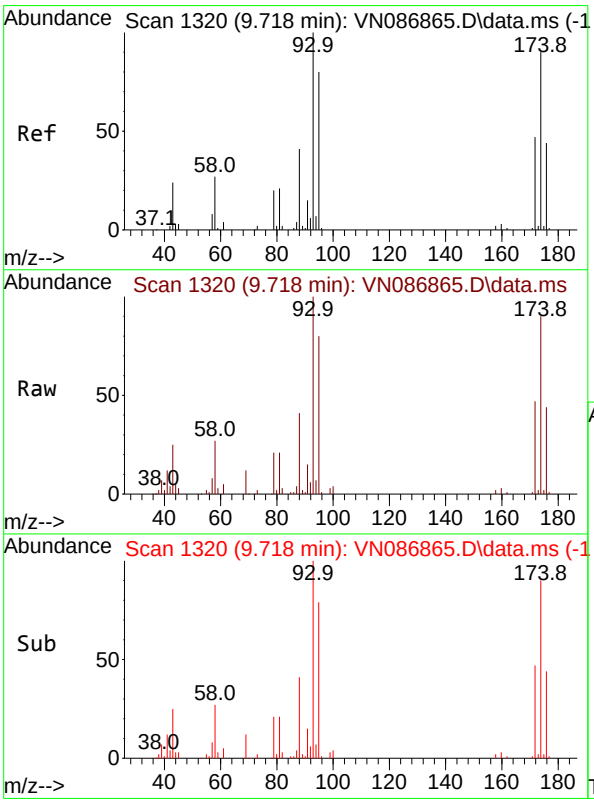
#45
1,2-Dichloropropane
Concen: 47.251 ug/l
RT: 9.630 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 125673

Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.5	38.3

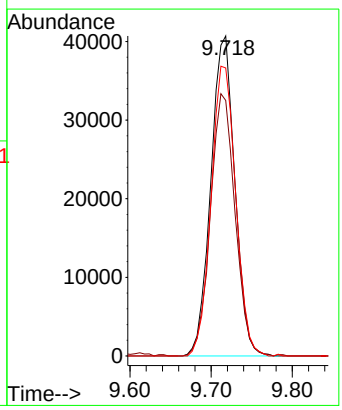


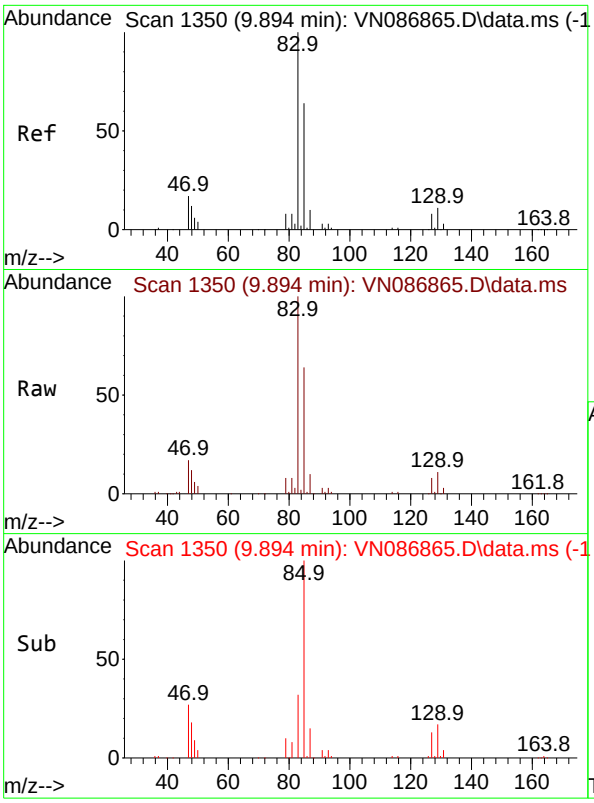


#46
Dibromomethane
Concen: 47.442 ug/l
RT: 9.718 min Scan# 1320
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 93 Resp: 83811

Ion	Ratio	Lower	Upper
93	100		
95	83.9	67.1	100.7
174	92.8	74.2	111.4



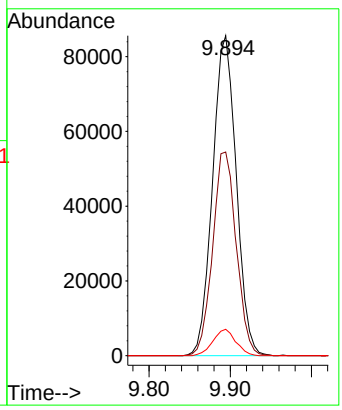


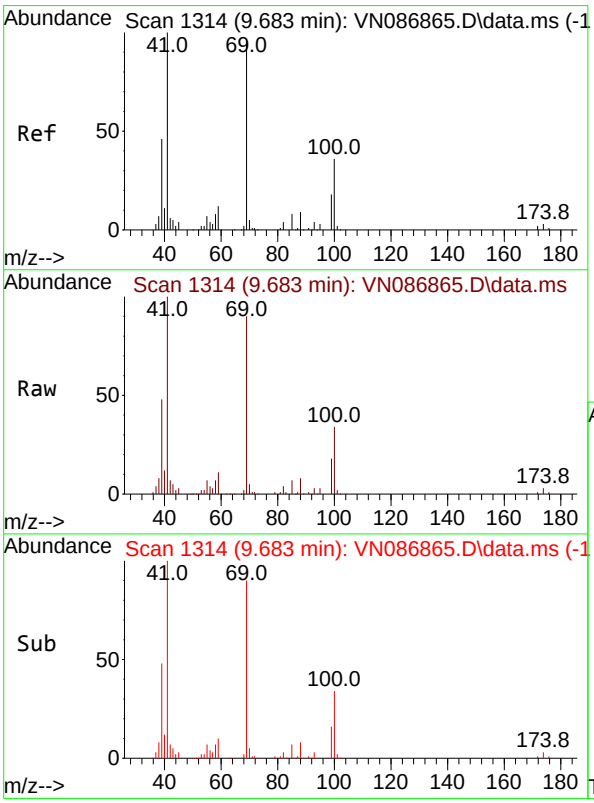
#47
Bromodichloromethane
Concen: 47.651 ug/l
RT: 9.894 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 173200

Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3
127	8.3	6.6	10.0

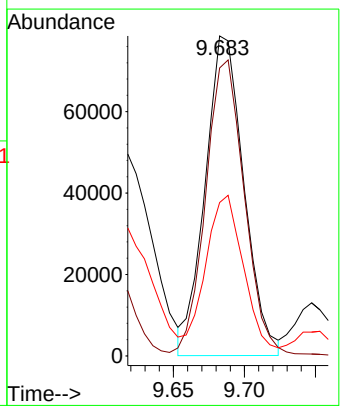


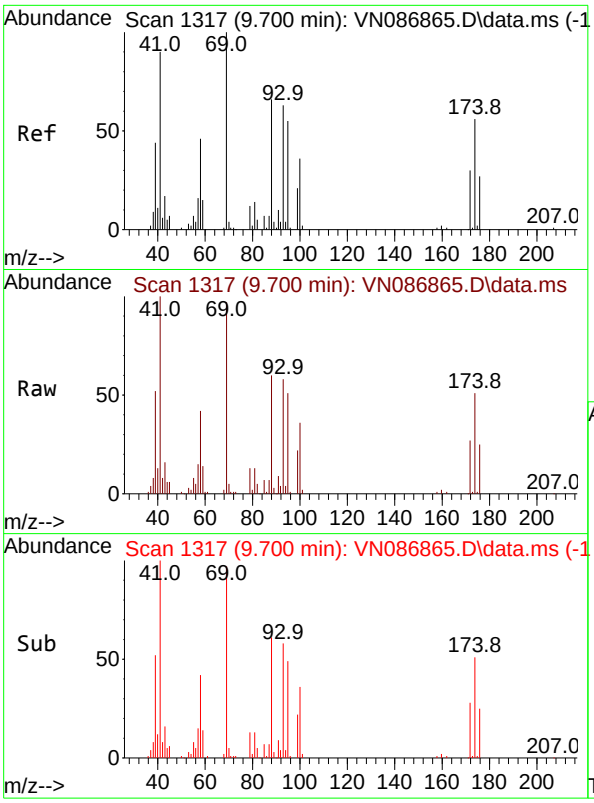


#48
Methyl methacrylate
Concen: 47.399 ug/l
RT: 9.683 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 41 Resp: 149019

Ion	Ratio	Lower	Upper
41	100		
69	93.3	74.6	112.0
39	50.3	40.2	60.4



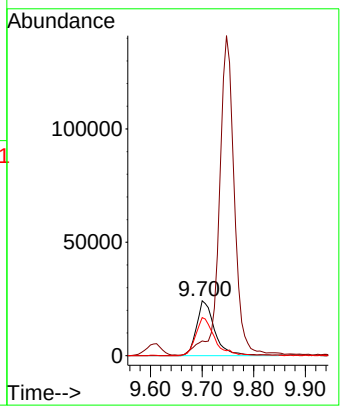


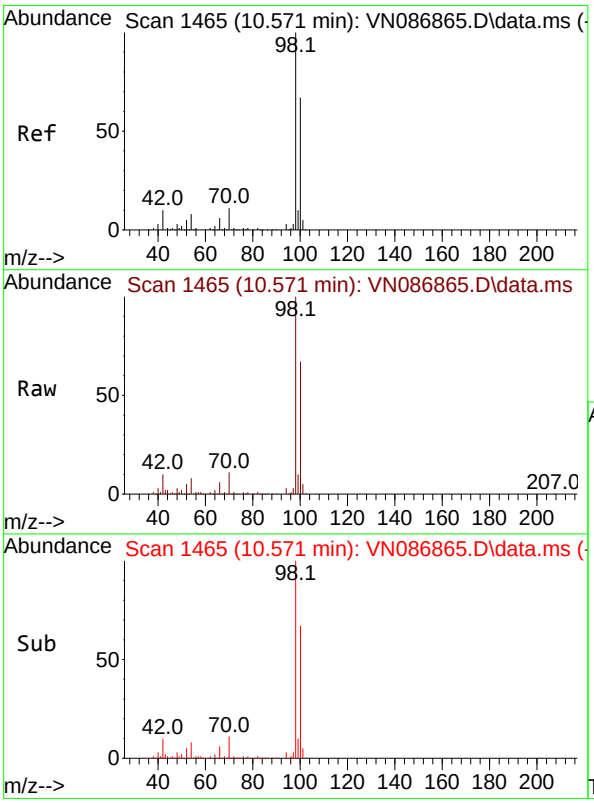
#49
1,4-Dioxane
Concen: 1032.607 ug/l
RT: 9.700 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 59060

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	72.1	57.7	86.5

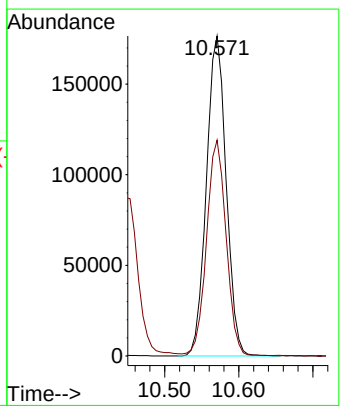


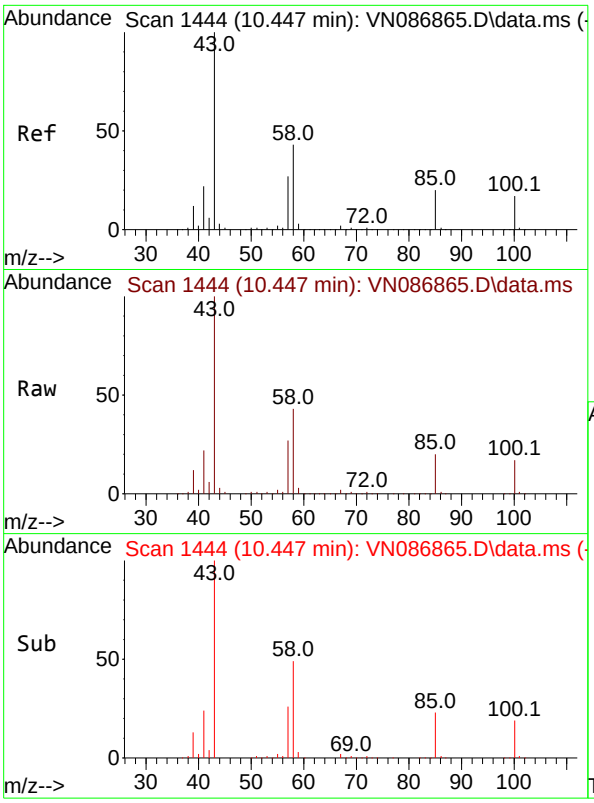


#50
Toluene-d8
Concen: 36.716 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 98 Resp: 326105

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.4	80.0



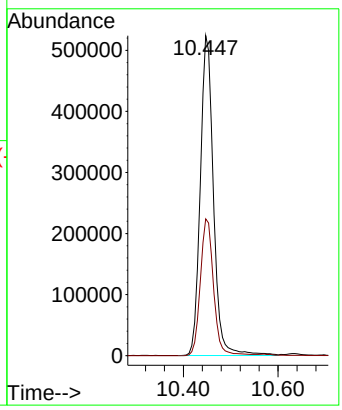


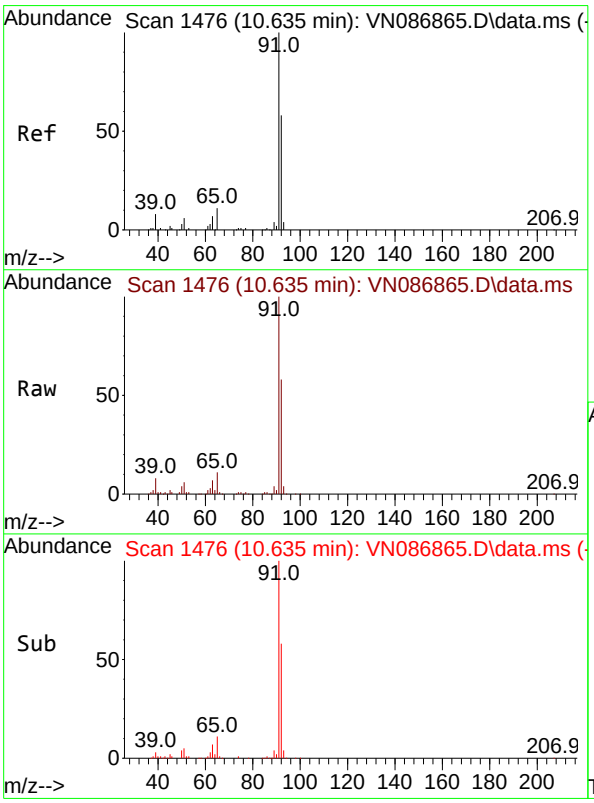
#51
4-Methyl-2-Pentanone
Concen: 247.484 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1017688

Ion	Ratio	Lower	Upper
43	100		
58	42.8	34.2	51.4

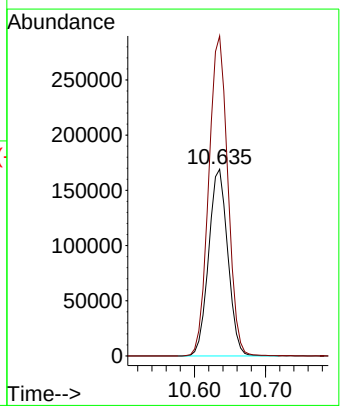


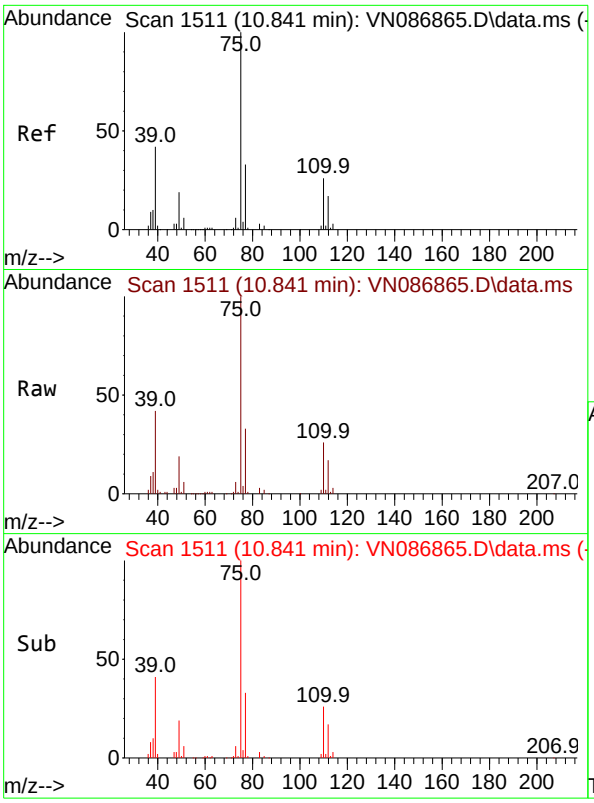


#52
Toluene
Concen: 47.331 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 92 Resp: 316219

Ion	Ratio	Lower	Upper
92	100		
91	170.6	136.5	204.7



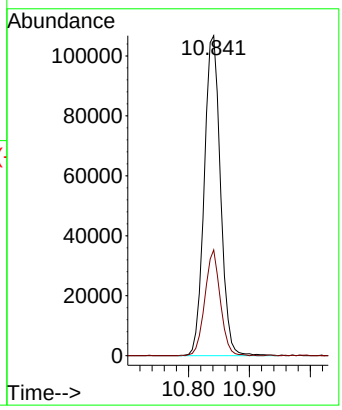


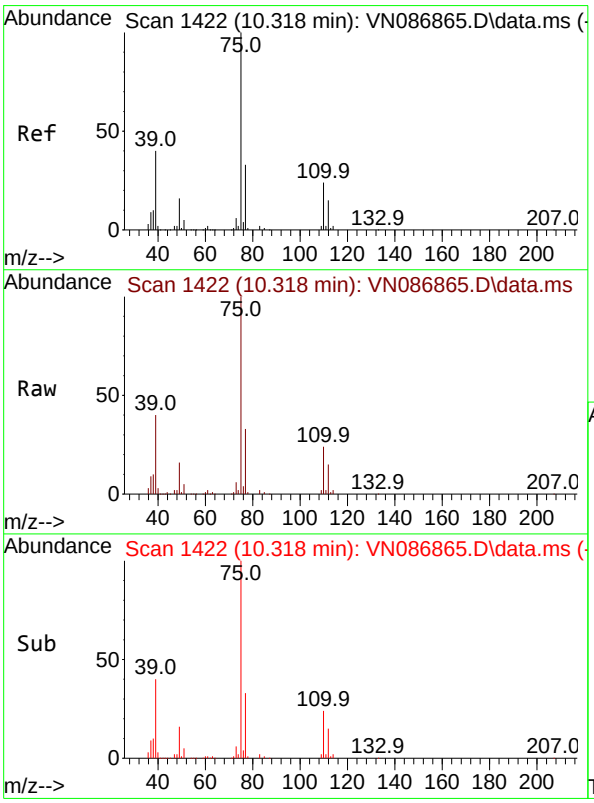
#53
t-1,3-Dichloropropene
Concen: 48.587 ug/l
RT: 10.841 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 197475

Ion	Ratio	Lower	Upper
75	100		
77	33.0	26.4	39.6

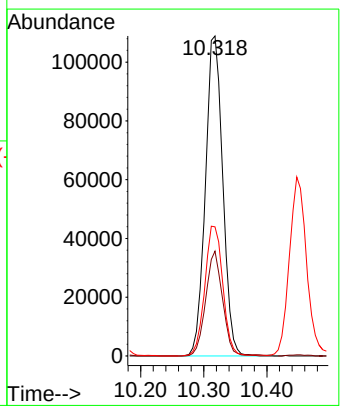


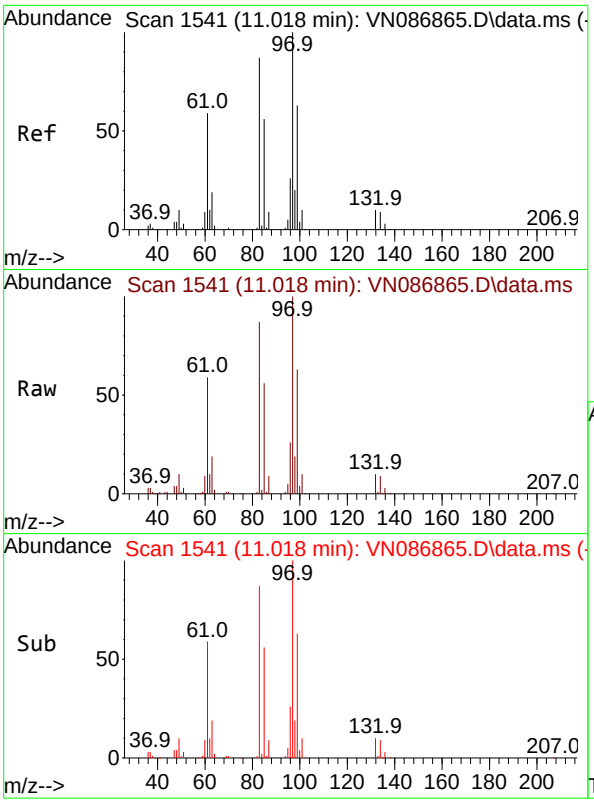


#54
cis-1,3-Dichloropropene
Concen: 47.950 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 75 Resp: 208523

Ion	Ratio	Lower	Upper
75	100		
77	32.8	26.2	39.4
39	40.4	32.3	48.5



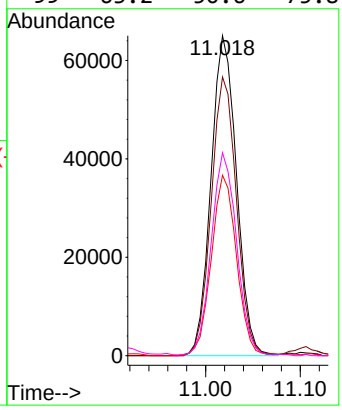


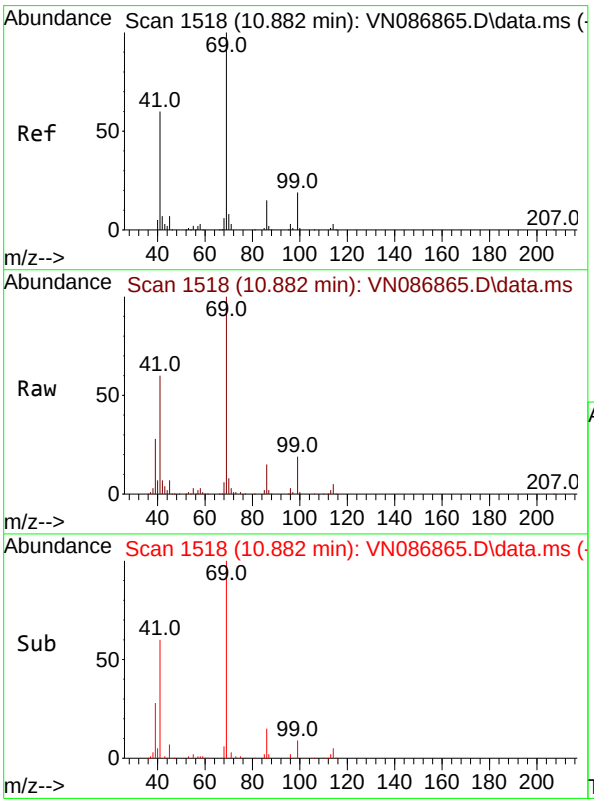
#55
1,1,2-Trichloroethane
Concen: 47.445 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 121969

Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.7	104.5
85	56.4	45.1	67.7
99	63.2	50.6	75.8

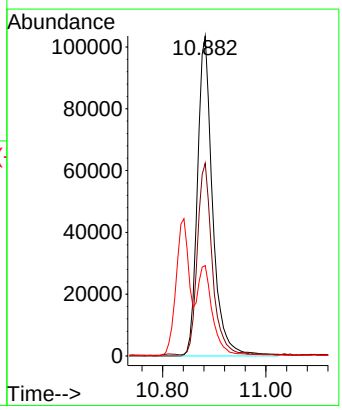


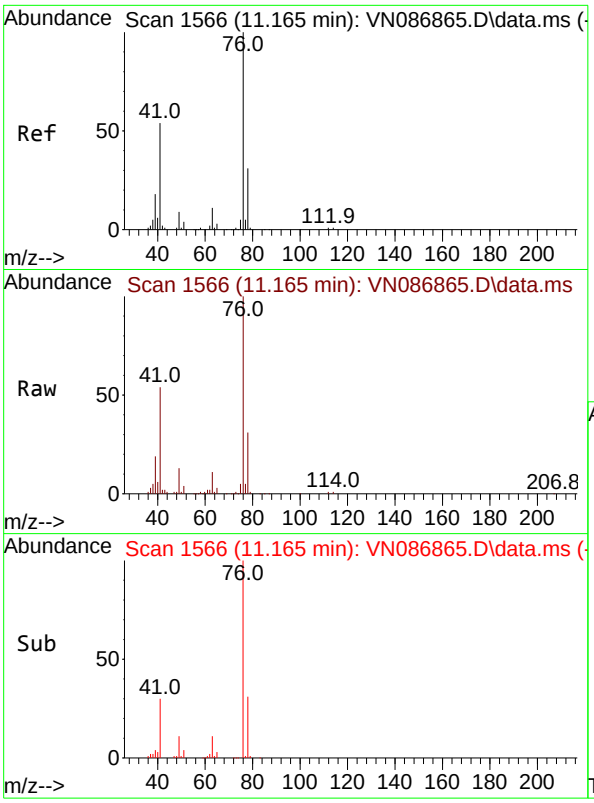


#56
Ethyl methacrylate
Concen: 51.401 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 69 Resp: 210467

Ion	Ratio	Lower	Upper
69	100		
41	59.0	47.2	70.8
39	28.8	23.0	34.6



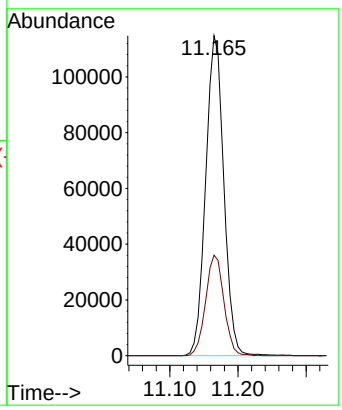


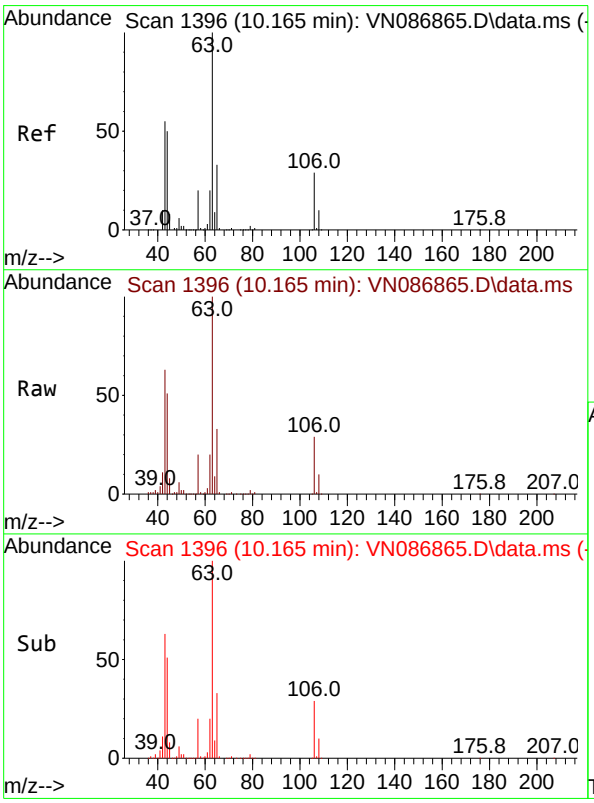
#57
1,3-Dichloropropane
Concen: 47.593 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 212243

Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.3	37.9

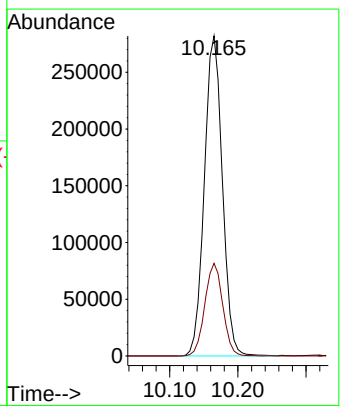


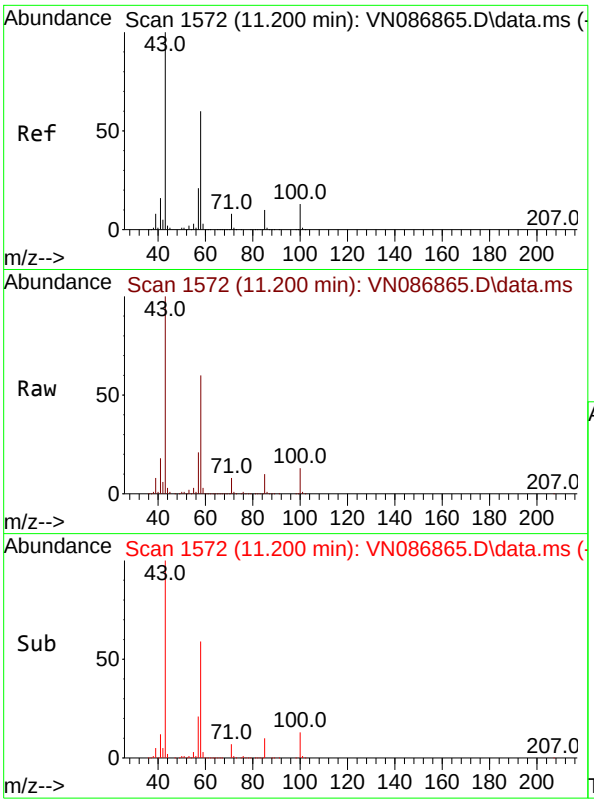


#58
2-Chloroethyl Vinyl ether
Concen: 212.570 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 63 Resp: 519139

Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.0	34.6



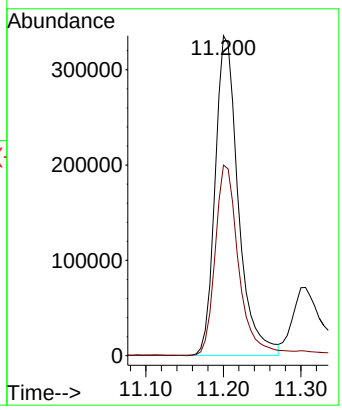


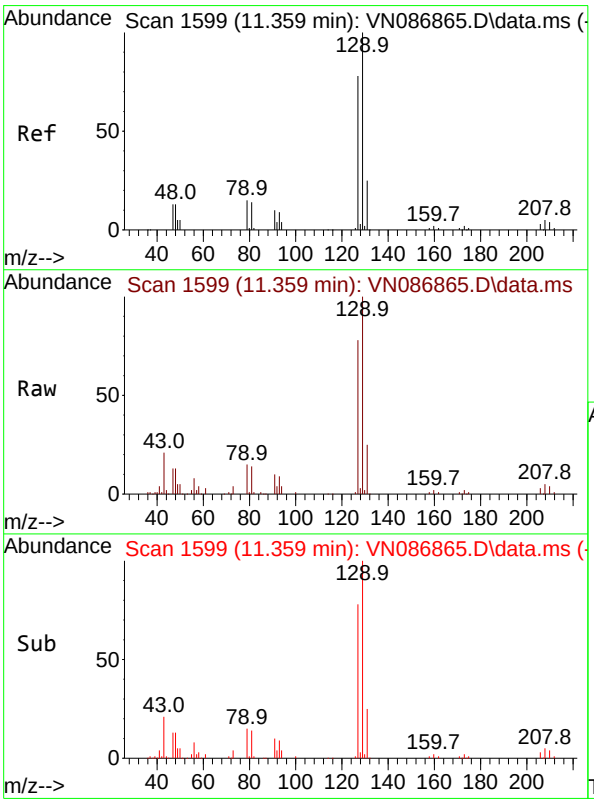
#59
2-Hexanone
Concen: 262.977 ug/l
RT: 11.200 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 696567

Ion	Ratio	Lower	Upper
43	100		
58	60.9	30.4	91.3

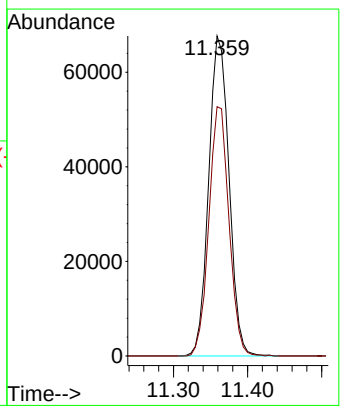


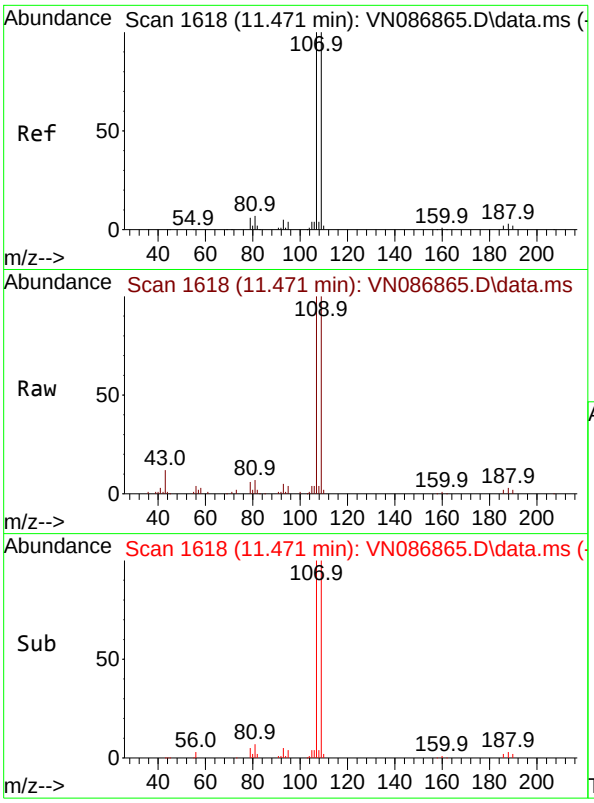


#60
Dibromochloromethane
Concen: 48.056 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:129 Resp: 128715

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.6	115.8



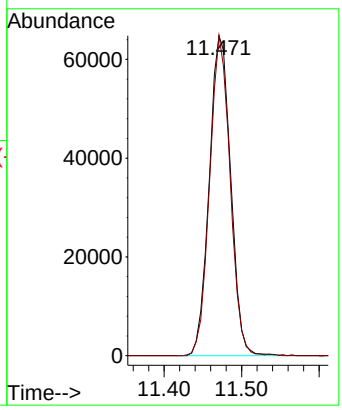


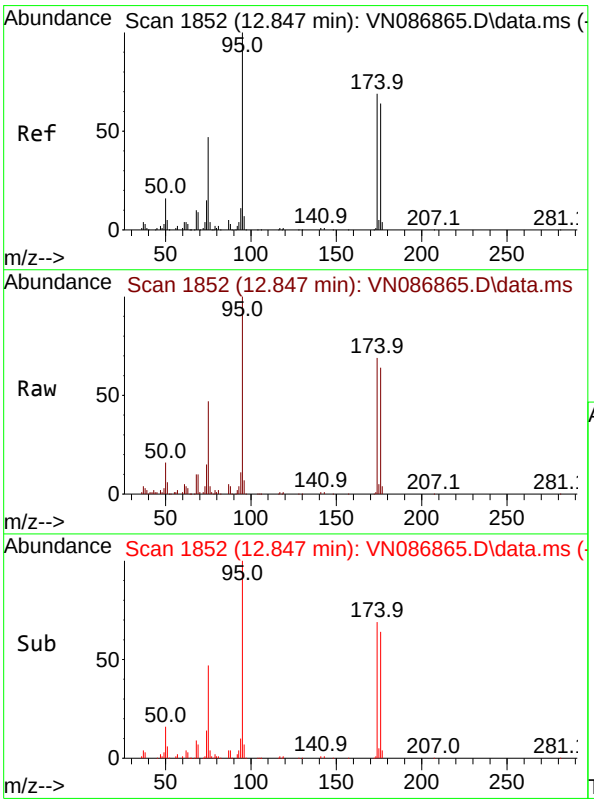
#61
1,2-Dibromoethane
Concen: 47.258 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 124522

Ion	Ratio	Lower	Upper
107	100		
109	95.4	76.3	114.5

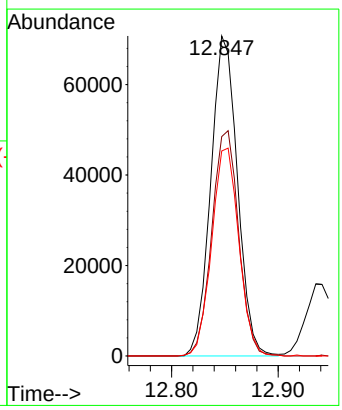


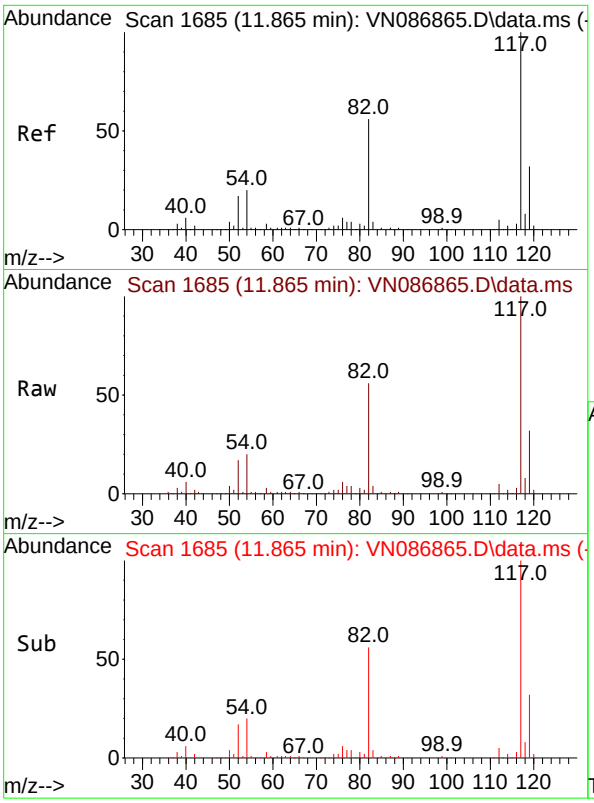


#62
4-Bromofluorobenzene
Concen: 37.264 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 95 Resp: 122965

Ion	Ratio	Lower	Upper
95	100		
174	70.9	0.0	141.8
176	66.3	0.0	132.6



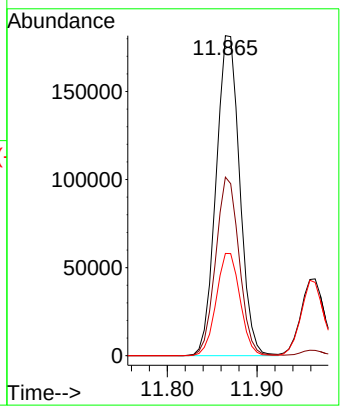


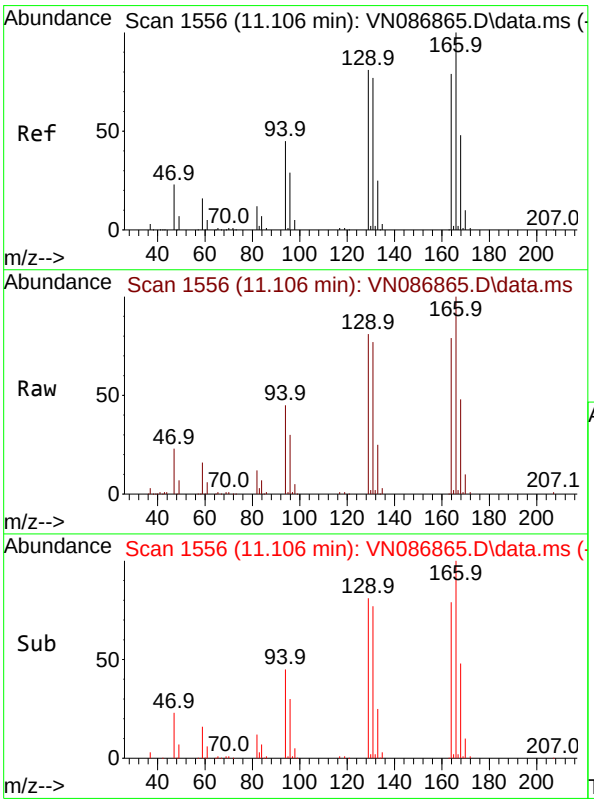
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 332766

Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.6	67.0
119	31.9	25.5	38.3

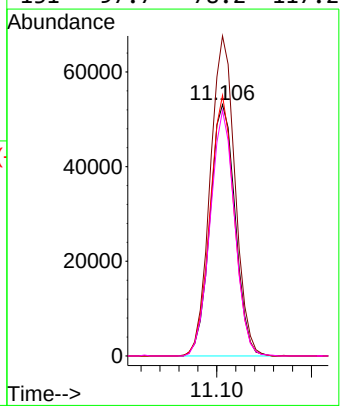


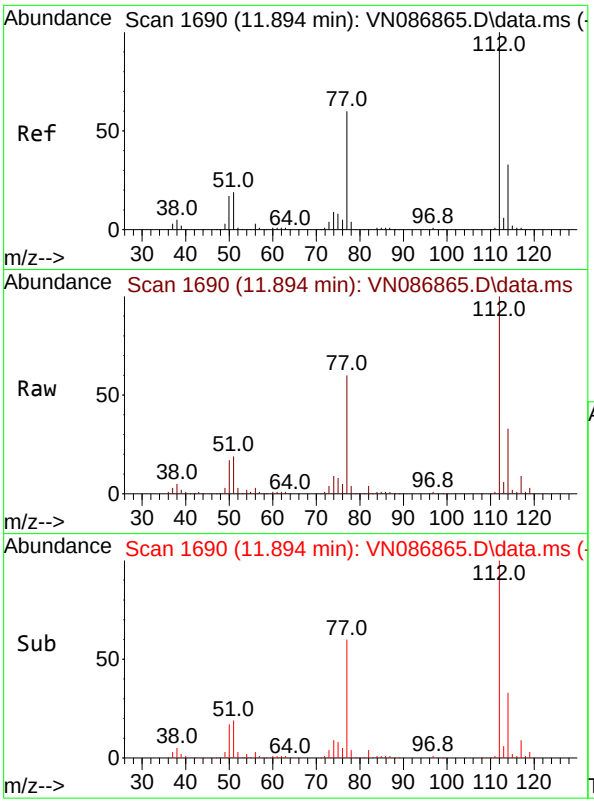


#64
Tetrachloroethene
Concen: 46.382 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:164 Resp: 97679

Ion	Ratio	Lower	Upper
164	100		
166	127.3	101.8	152.8
129	103.7	83.0	124.4
131	97.7	78.2	117.2



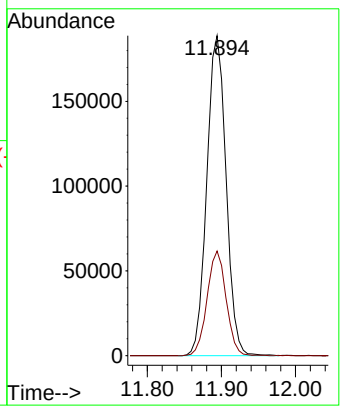


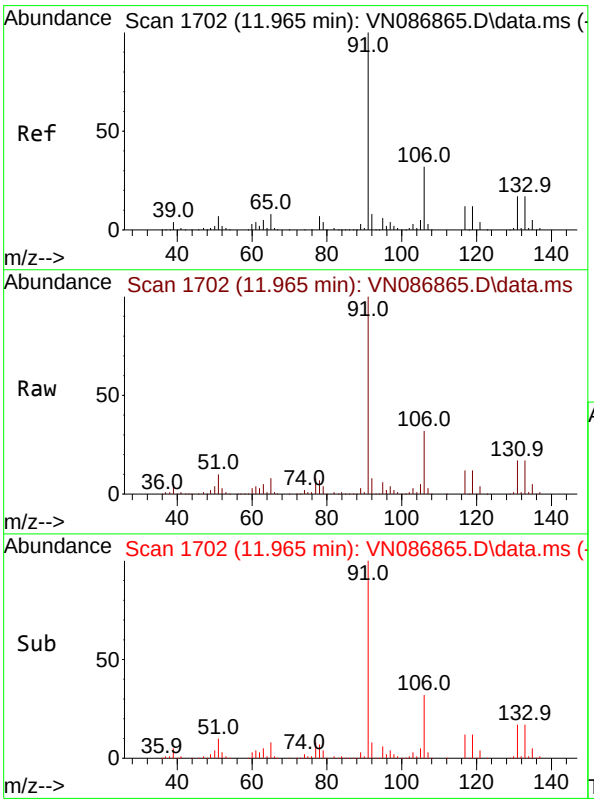
#65
Chlorobenzene
Concen: 46.386 ug/l
RT: 11.894 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 340439

Ion	Ratio	Lower	Upper
112	100		
114	32.7	26.2	39.2

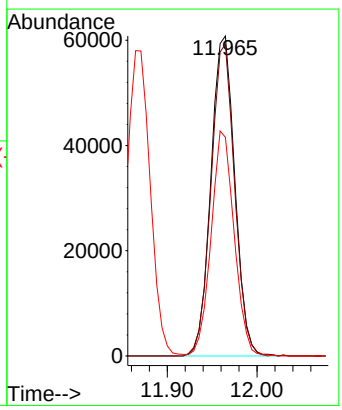


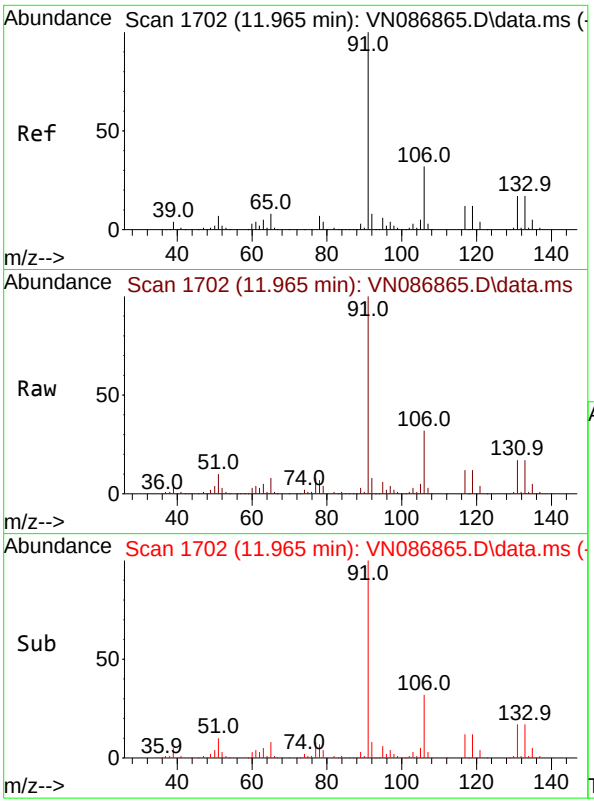


#66
1,1,1,2-Tetrachloroethane
Concen: 47.615 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:131 Resp: 112333

Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.3	144.8
119	67.9	34.0	101.8



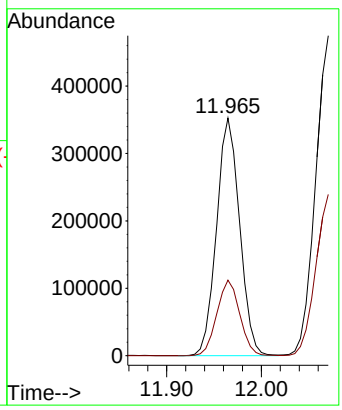


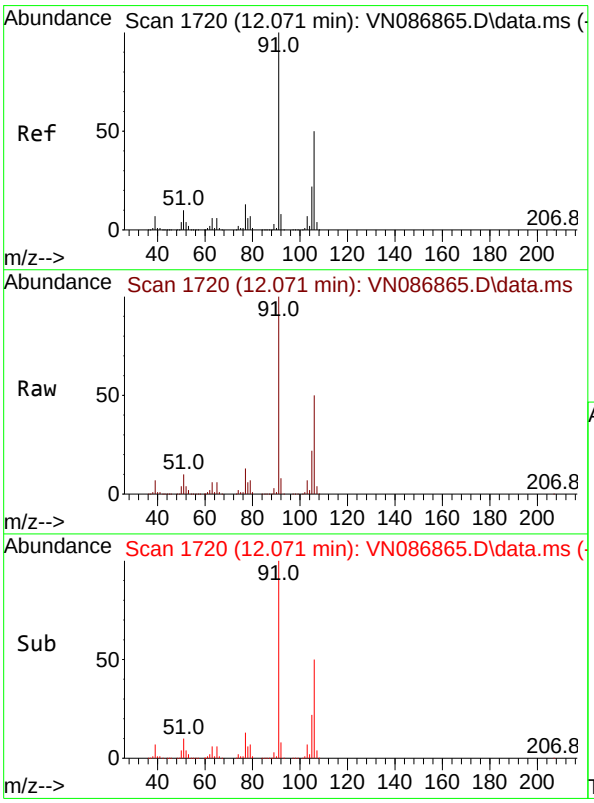
#67
Ethyl Benzene
Concen: 47.271 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 597593

Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.4	38.2

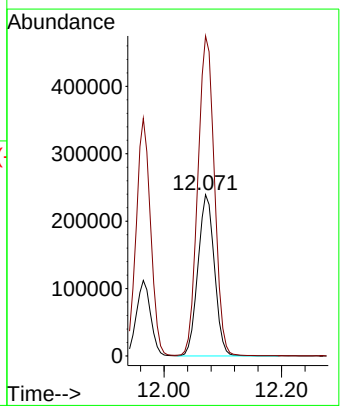


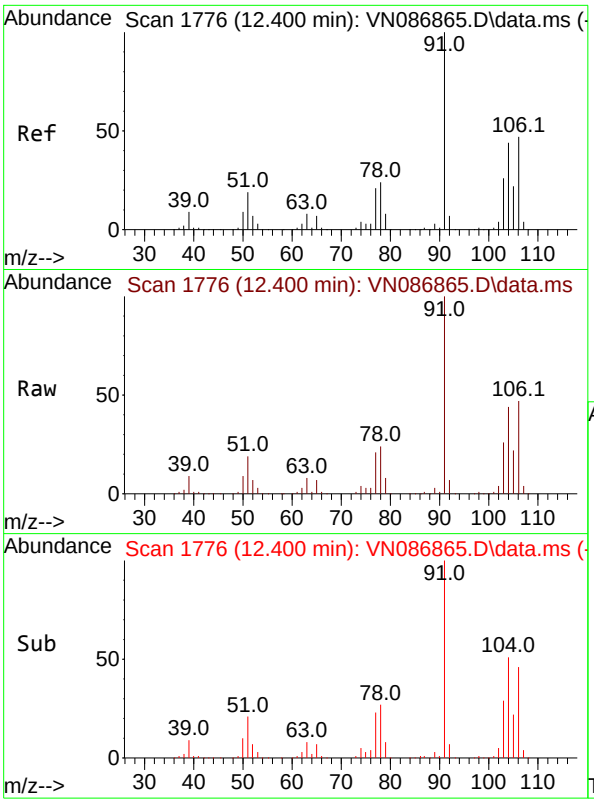


#68
m/p-Xylenes
Concen: 96.424 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:106 Resp: 466620

Ion	Ratio	Lower	Upper
106	100		
91	199.2	159.4	239.0



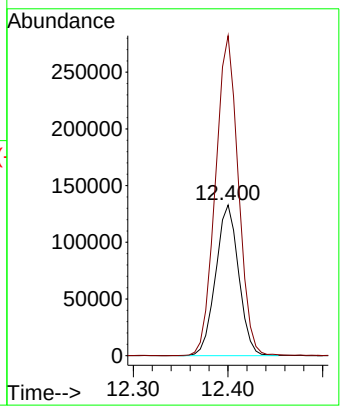


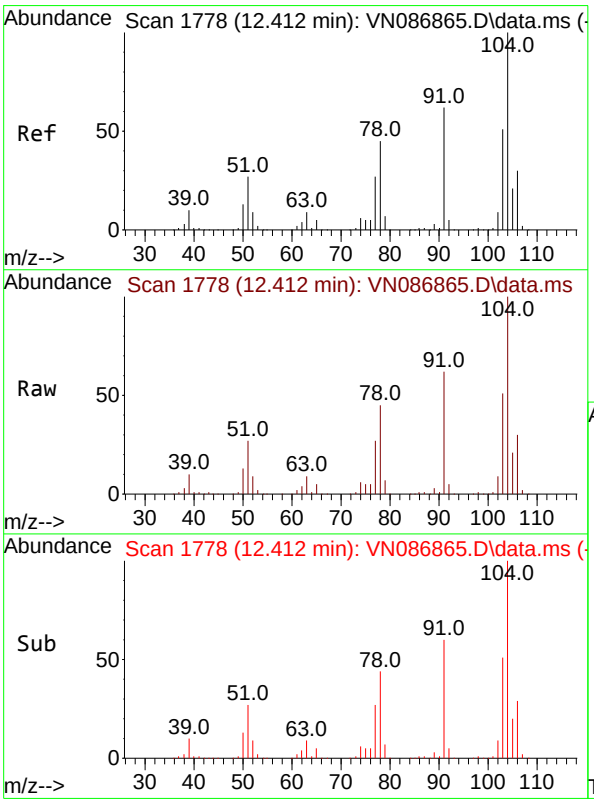
#69
o-Xylene
Concen: 48.395 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 224299

Ion	Ratio	Lower	Upper
106	100		
91	212.1	106.1	318.1

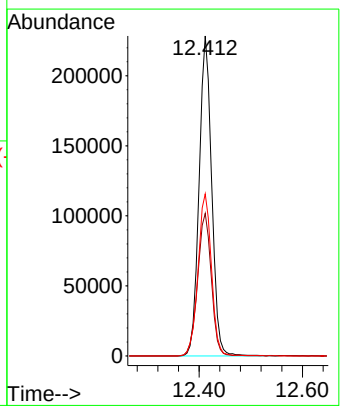


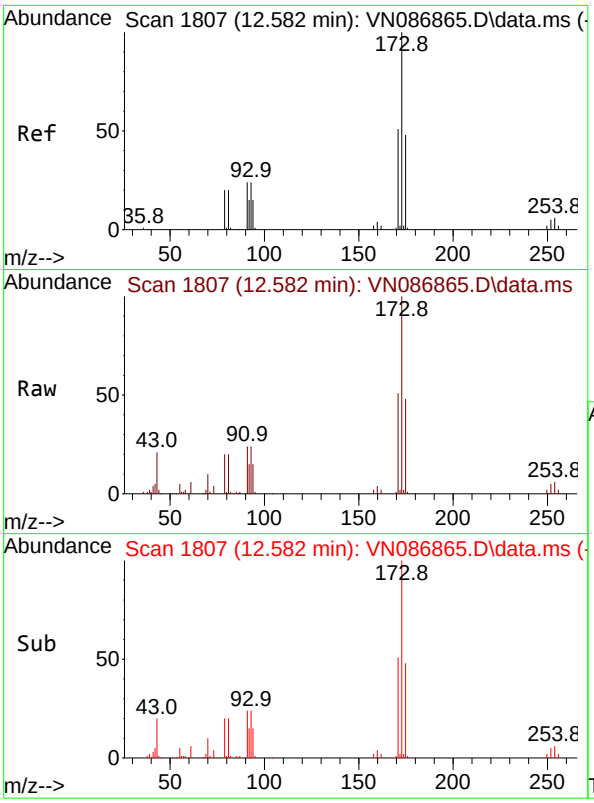


#70
Styrene
Concen: 48.745 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:104 Resp: 386596

Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.5	57.7
103	53.9	43.1	64.7



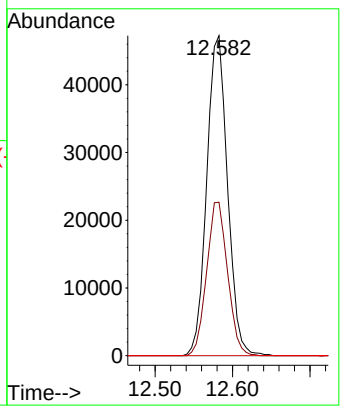


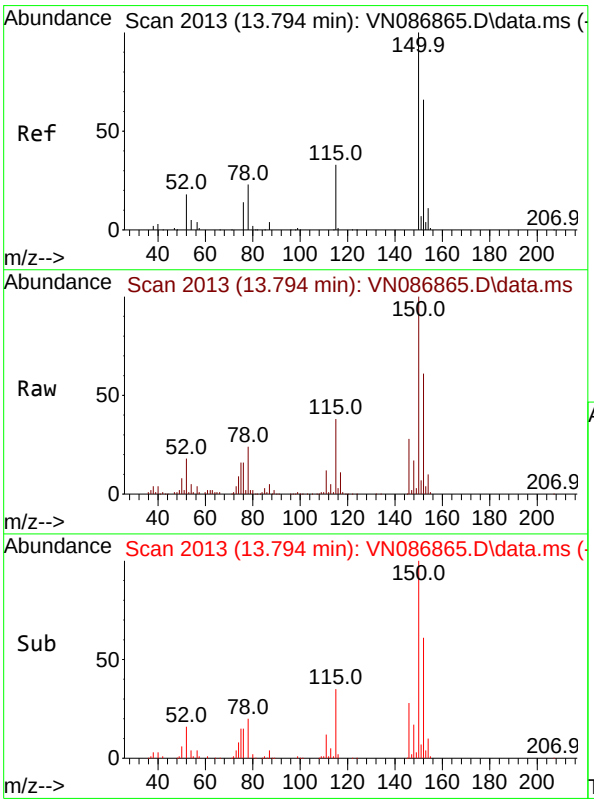
#71
Bromoform
Concen: 50.415 ug/l
RT: 12.582 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 88127

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.4
254	0.0	0.0	0.0

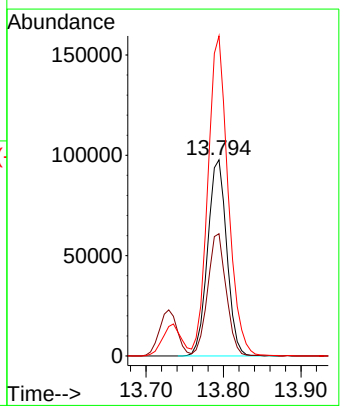


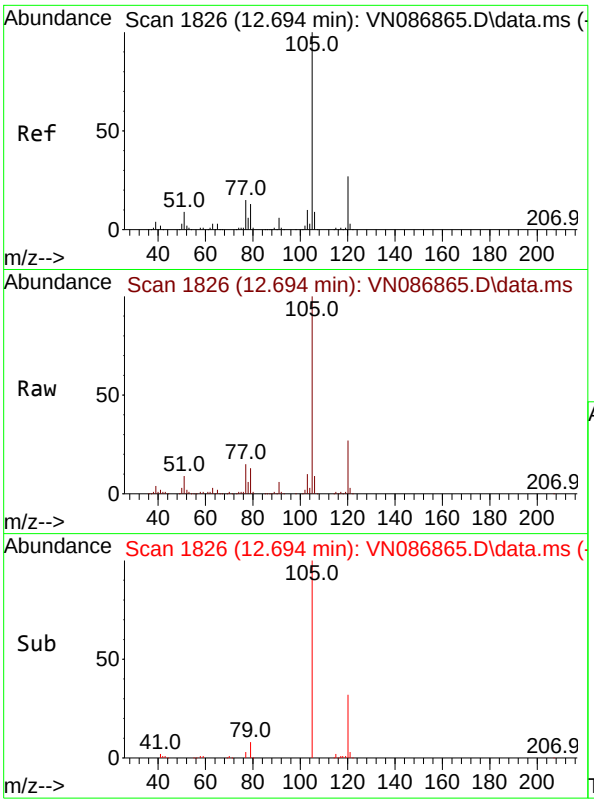


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:152 Resp: 167532

Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.1	90.5
150	172.5	0.0	345.0



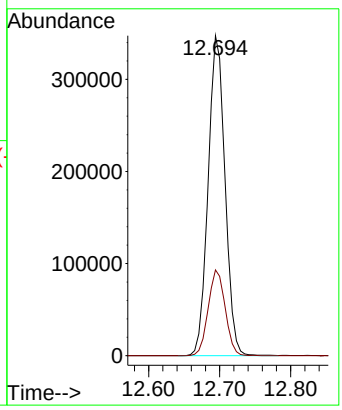


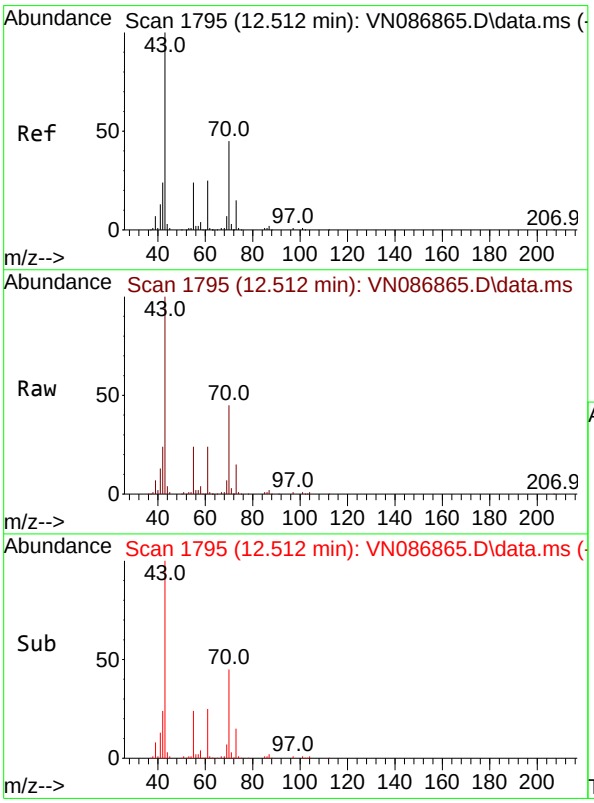
#73
Isopropylbenzene
Concen: 47.023 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 573905

Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.5	40.4

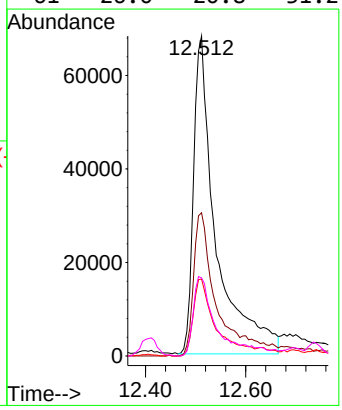


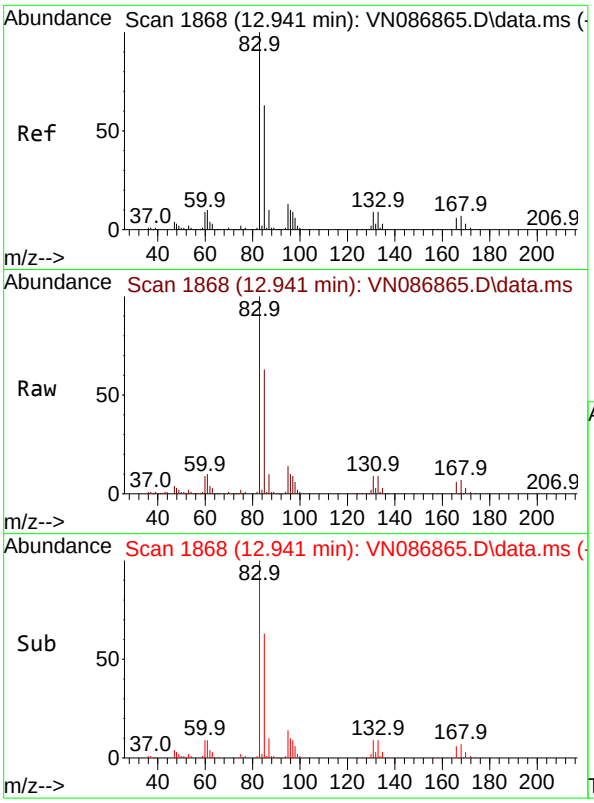


#74
N-amyl acetate
Concen: 52.353 ug/l
RT: 12.512 min Scan# 1795
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 43 Resp: 212064

Ion	Ratio	Lower	Upper
43	100		
70	47.0	37.6	56.4
55	23.8	19.0	28.6
61	26.0	20.8	31.2



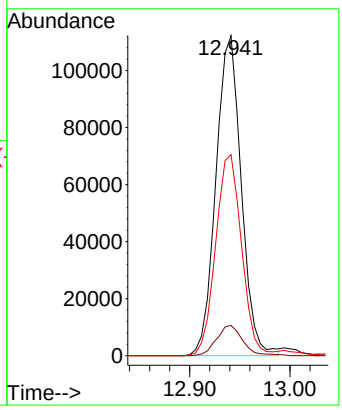


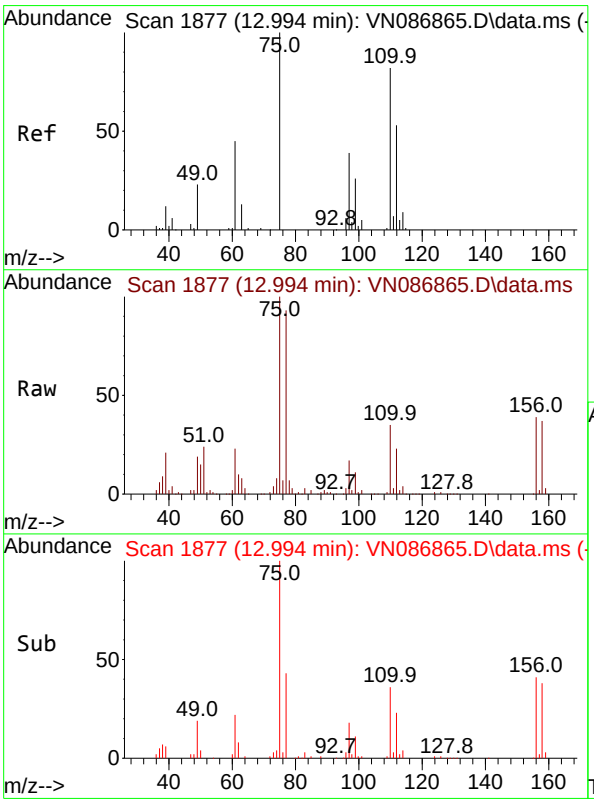
#75
1,1,2,2-Tetrachloroethane
Concen: 47.732 ug/l
RT: 12.941 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 197360

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	64.0	32.0	96.0

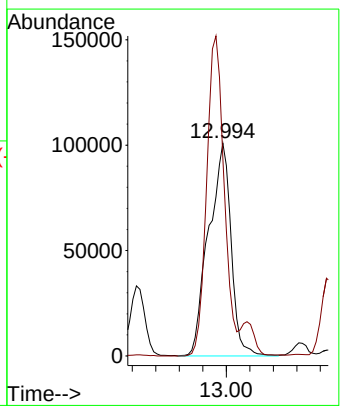


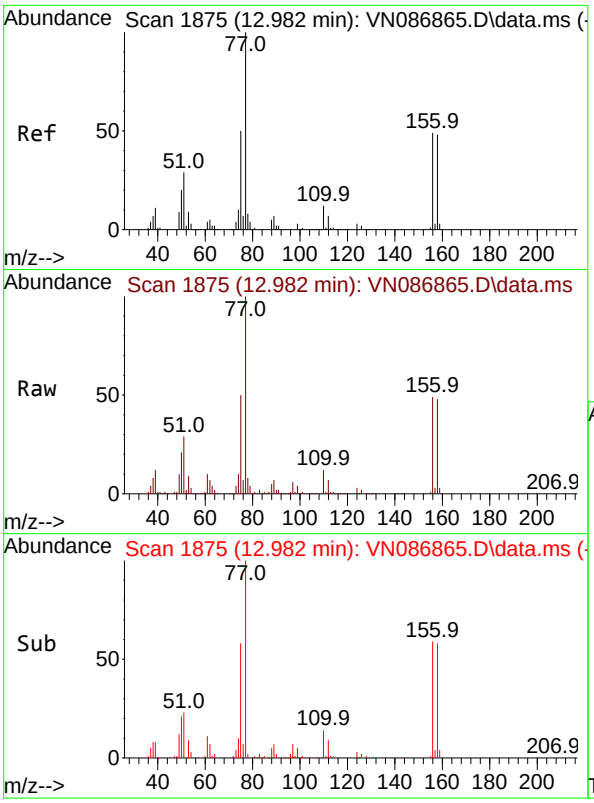


#76
1,2,3-Trichloropropane
Concen: 66.959 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 75 Resp: 267483

Ion	Ratio	Lower	Upper
75	100		
77	116.5	79.3	237.9



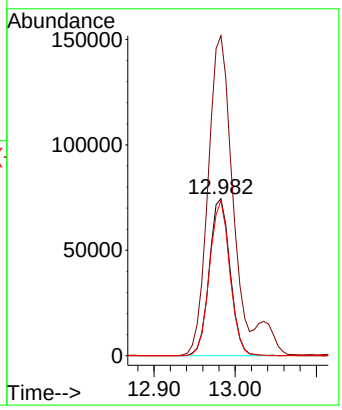


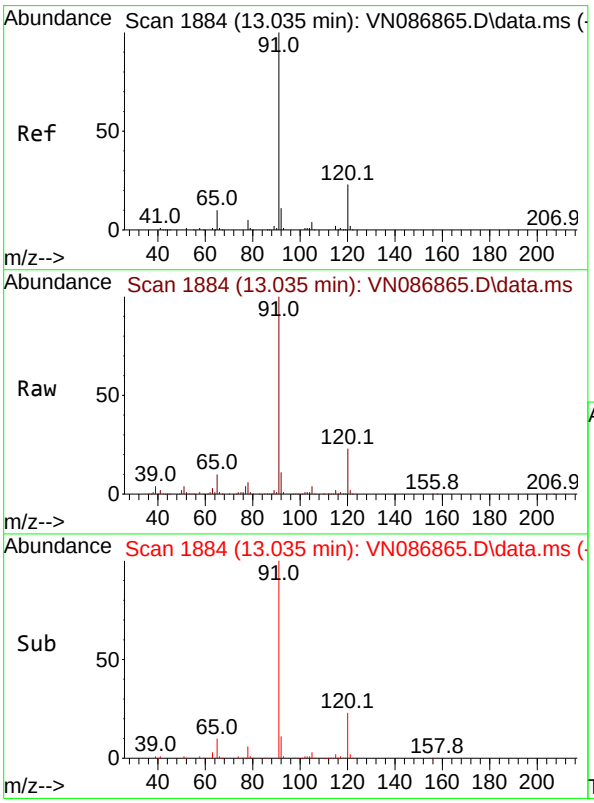
#77
Bromobenzene
Concen: 47.296 ug/l
RT: 12.982 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 132381

Ion	Ratio	Lower	Upper
156	100		
77	235.4	117.7	353.1
158	96.3	48.1	144.4

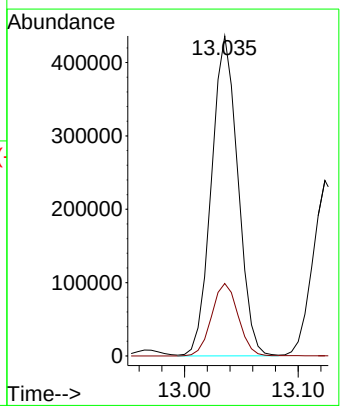


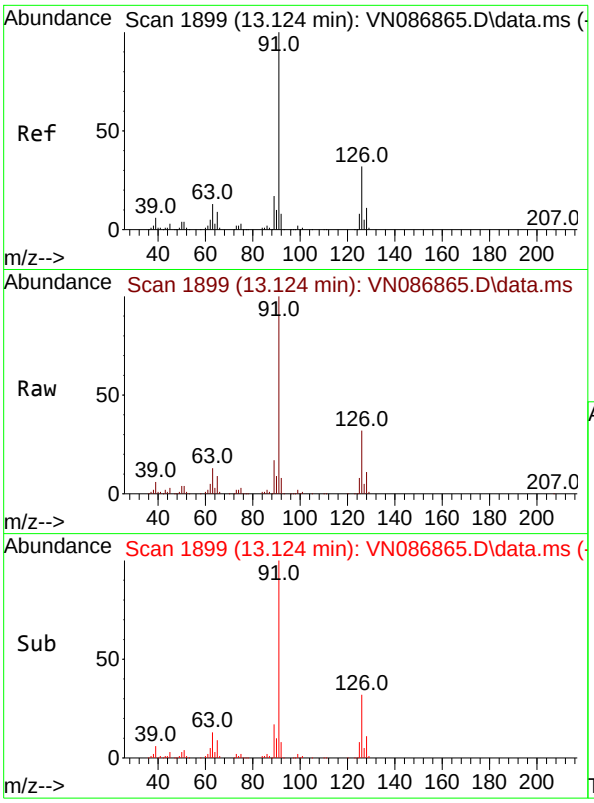


#78
n-propylbenzene
Concen: 47.567 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 91 Resp: 705524

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.4	34.2



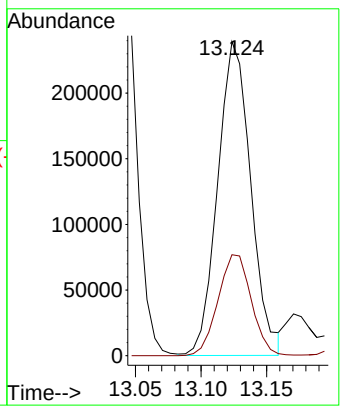


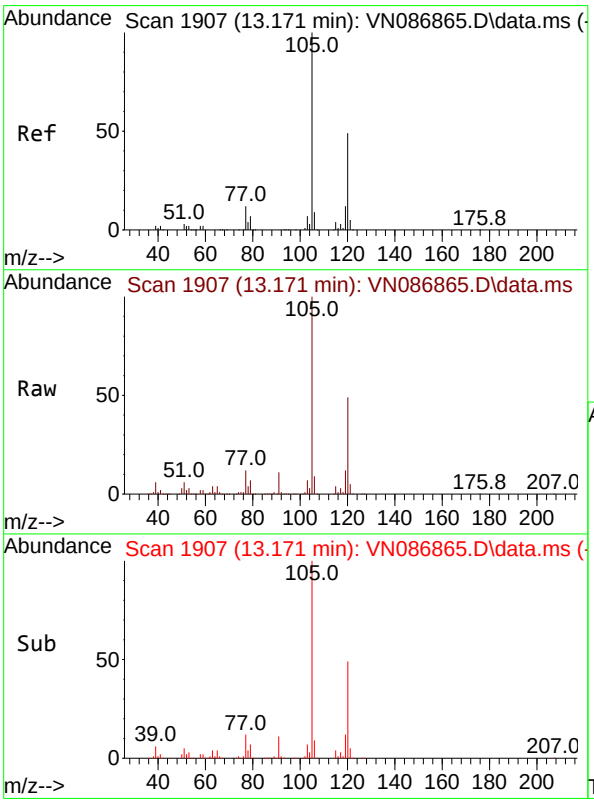
#79
2-Chlorotoluene
Concen: 47.216 ug/l
RT: 13.124 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 419986

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.2	48.5

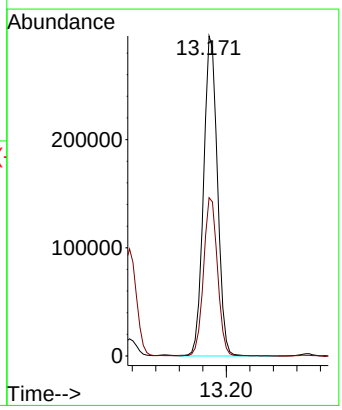


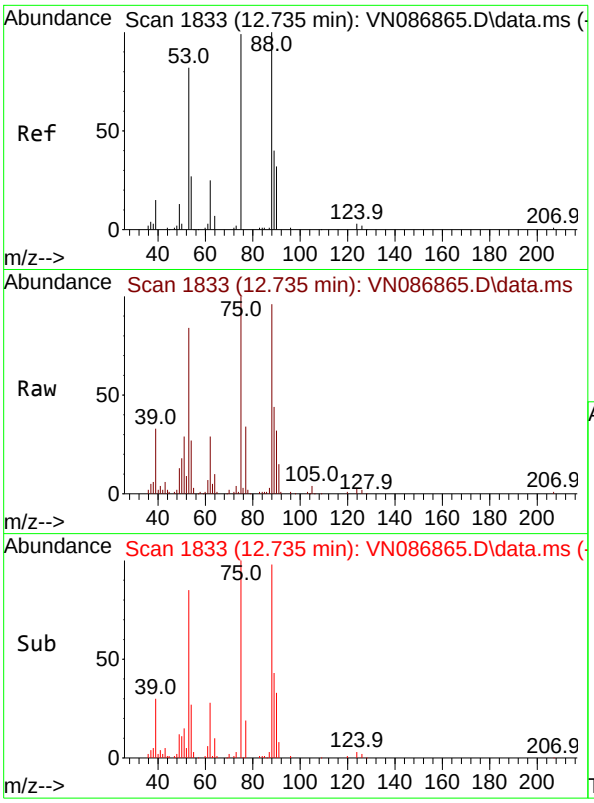


#80
1,3,5-Trimethylbenzene
Concen: 48.181 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:105 Resp: 485499

Ion	Ratio	Lower	Upper
105	100		
120	49.7	24.9	74.6



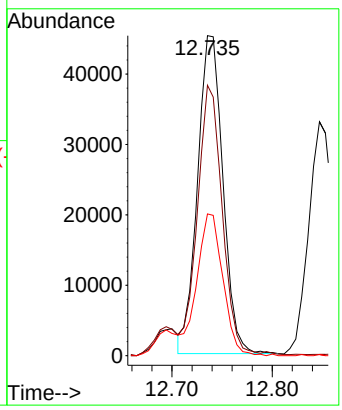


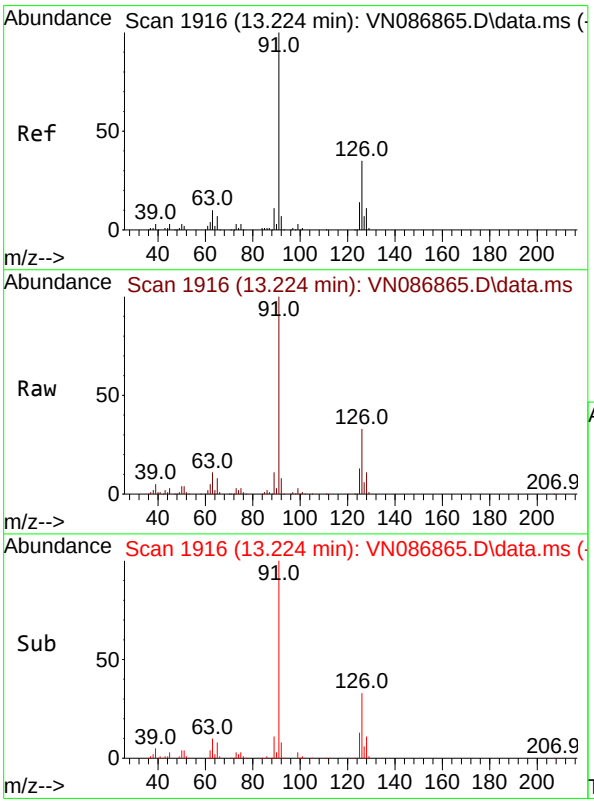
#81
trans-1,4-Dichloro-2-butene
Concen: 46.089 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 79732

Ion	Ratio	Lower	Upper
75	100		
53	83.2	66.6	99.8
89	45.9	36.7	55.1

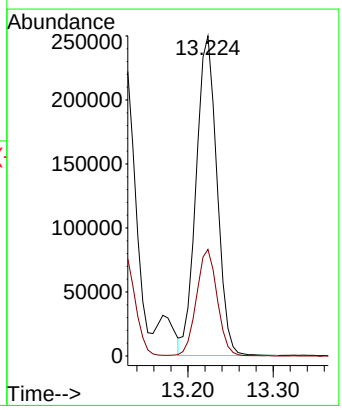


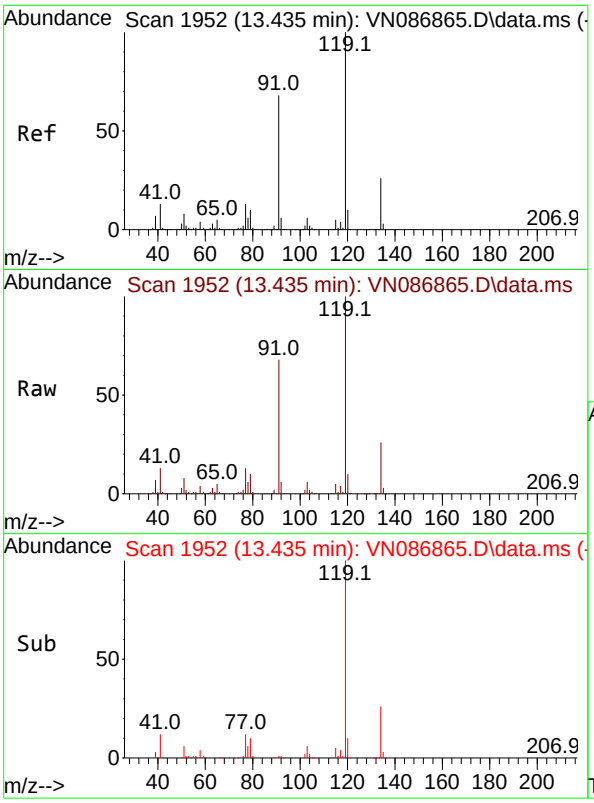


#82
4-Chlorotoluene
Concen: 47.117 ug/l
RT: 13.224 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 91 Resp: 424066

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.7	50.1



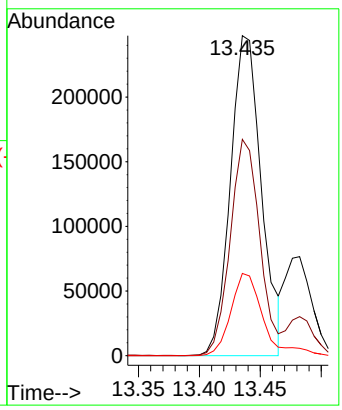


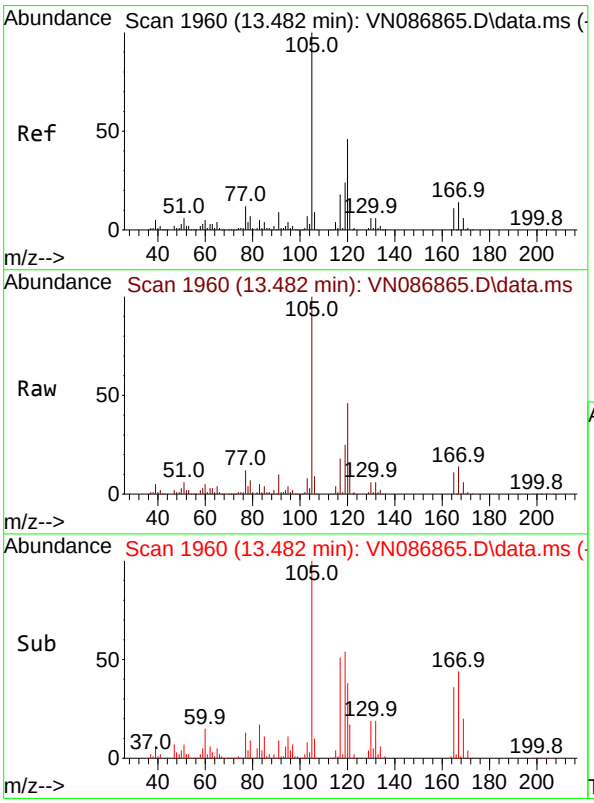
#83
tert-Butylbenzene
Concen: 47.531 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 438417

Ion	Ratio	Lower	Upper
119	100		
91	64.3	32.1	96.5
134	26.7	13.4	40.1

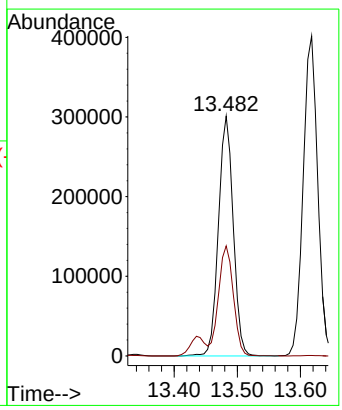


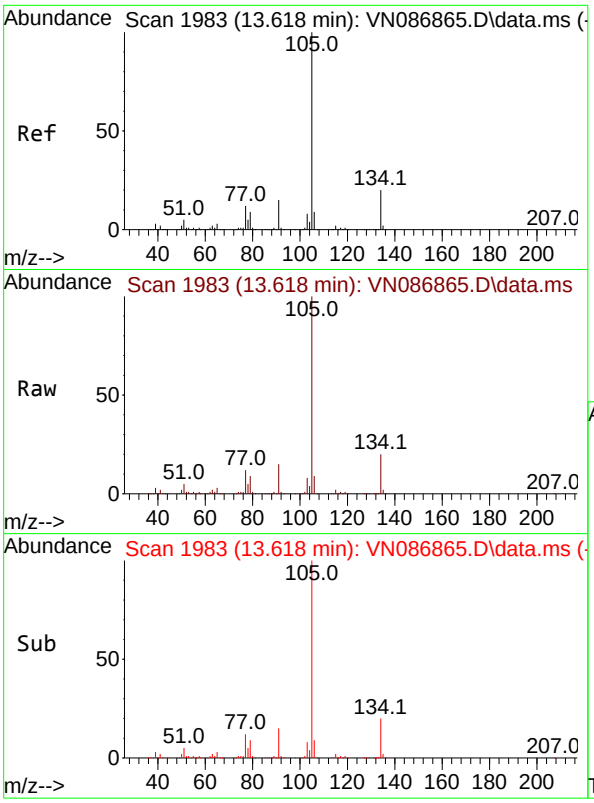


#84
1,2,4-Trimethylbenzene
Concen: 48.314 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:105 Resp: 488189

Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.2	69.6



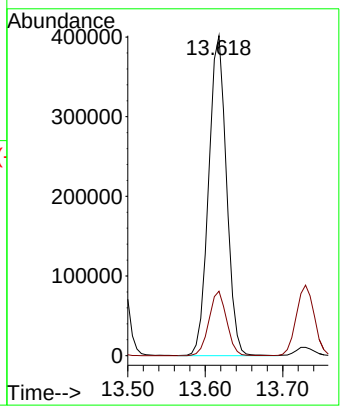


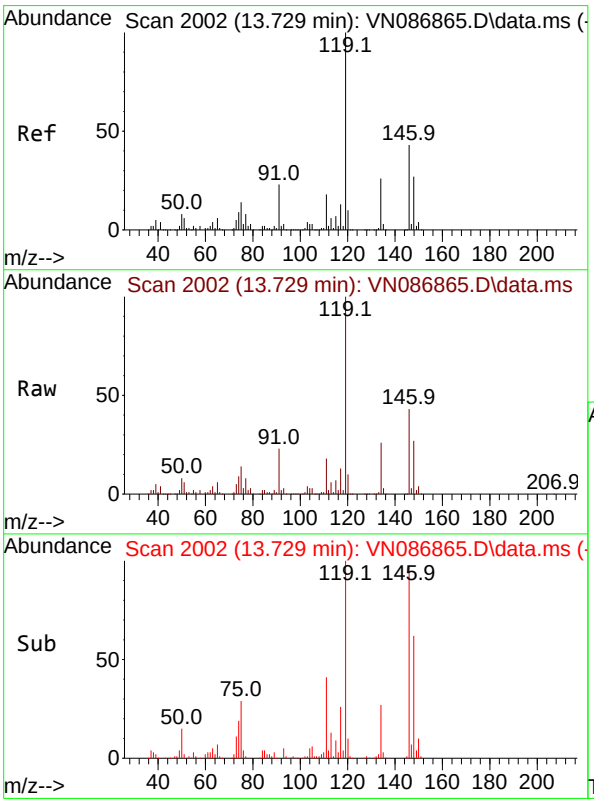
#85
sec-Butylbenzene
Concen: 47.893 ug/l
RT: 13.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 641523

Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	30.0

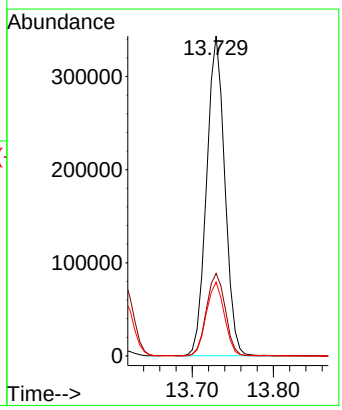


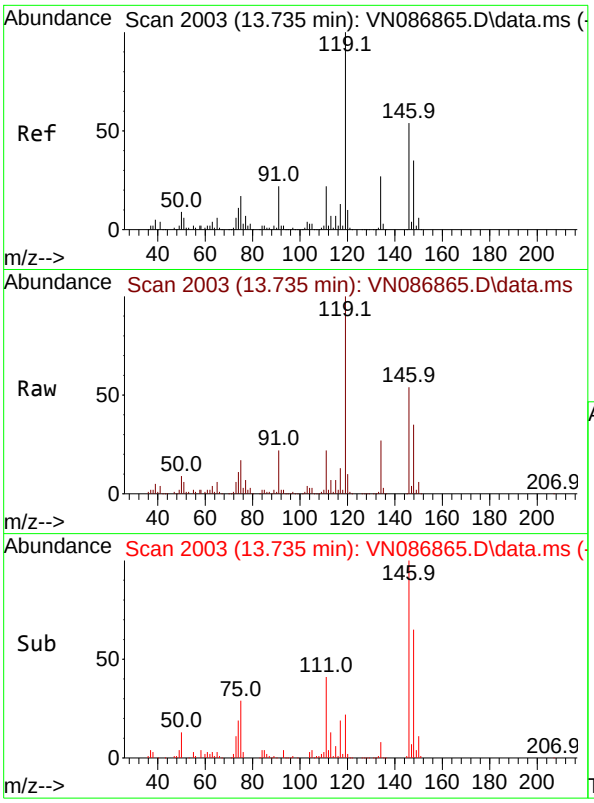


#86
p-Isopropyltoluene
Concen: 48.169 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:119 Resp: 533366

Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.5	40.4
91	22.9	11.5	34.4



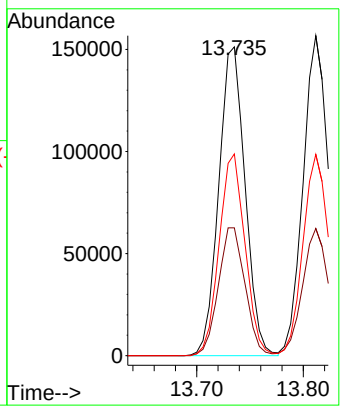


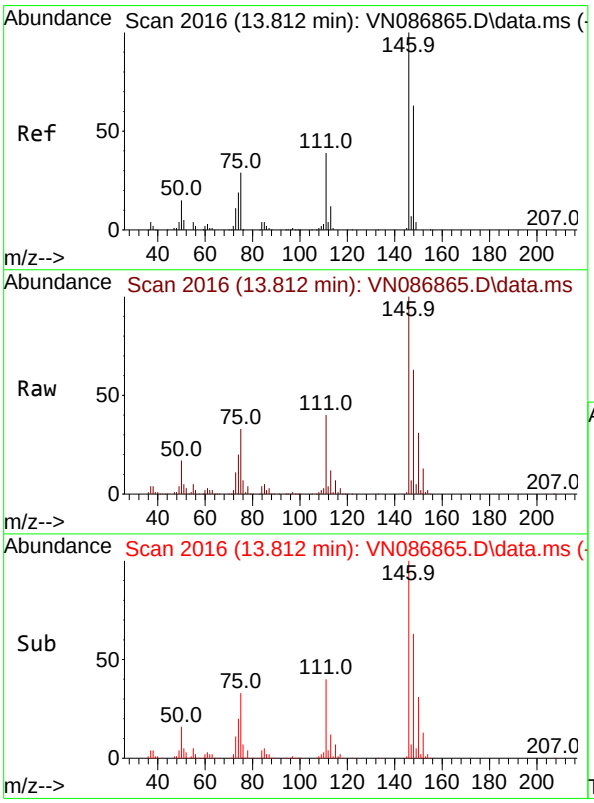
#87
1,3-Dichlorobenzene
Concen: 47.269 ug/l
RT: 13.735 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 260310

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.9	62.8
148	64.1	32.0	96.2

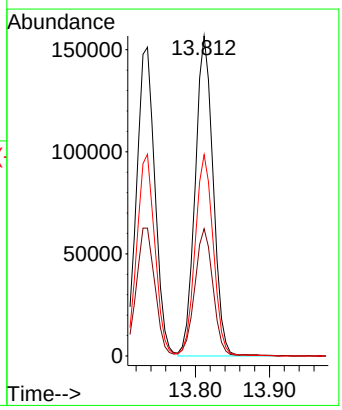


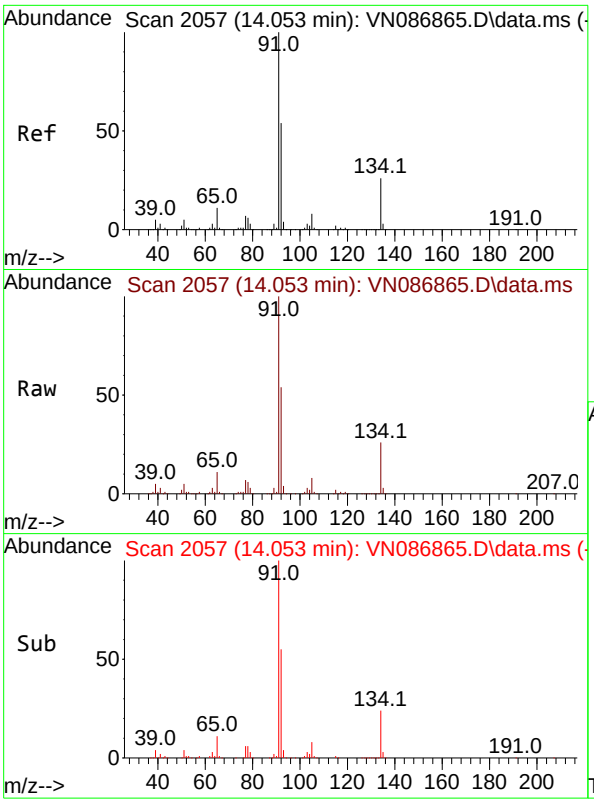


#88
1,4-Dichlorobenzene
Concen: 46.907 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:146 Resp: 263358

Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.9	59.7
148	63.6	31.8	95.4



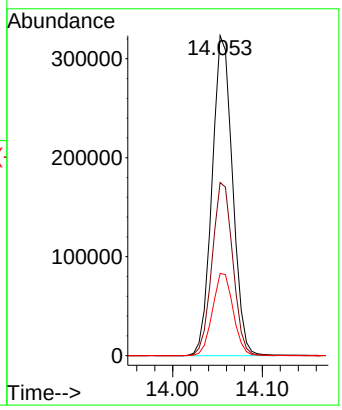


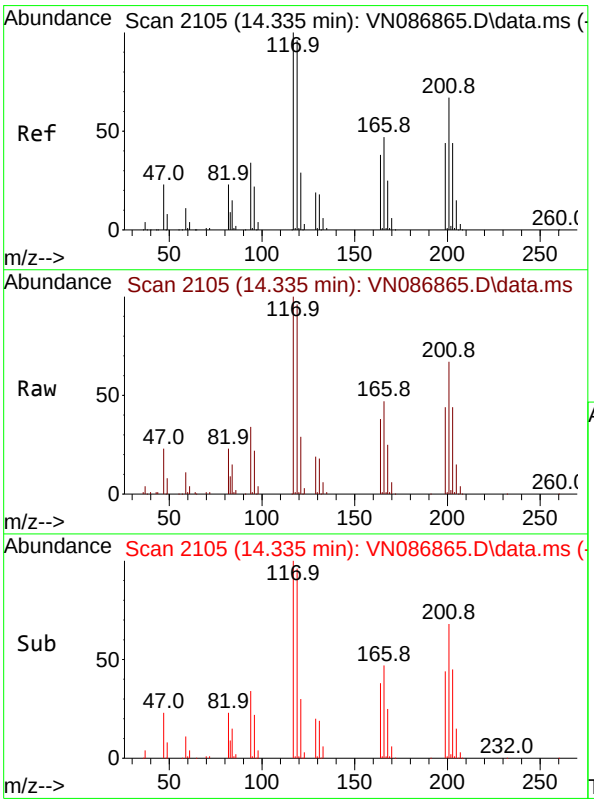
#89
n-Butylbenzene
Concen: 47.787 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 512519

Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.5	82.4
134	26.0	13.0	39.0

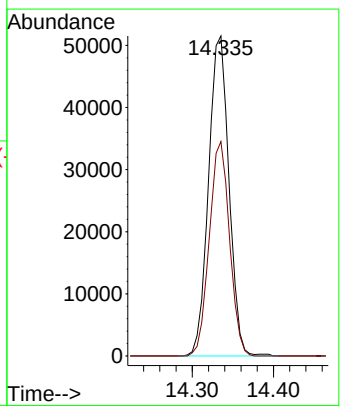


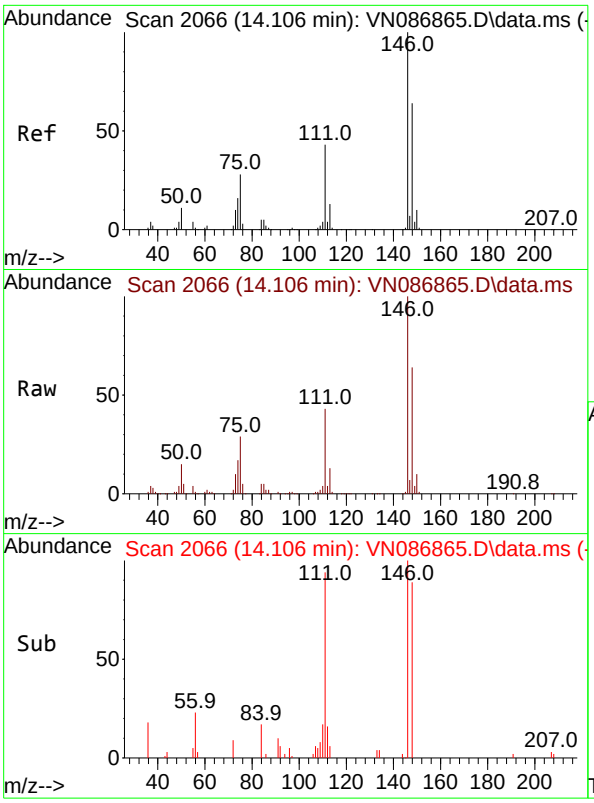


#90
Hexachloroethane
Concen: 47.896 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:117 Resp: 89896

Ion	Ratio	Lower	Upper
117	100		
201	66.4	33.2	99.6



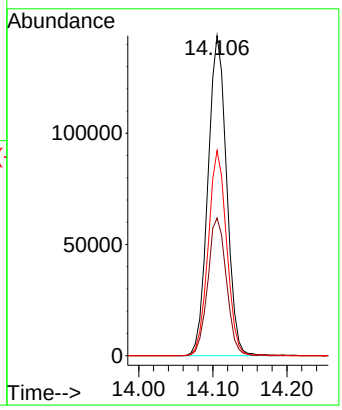


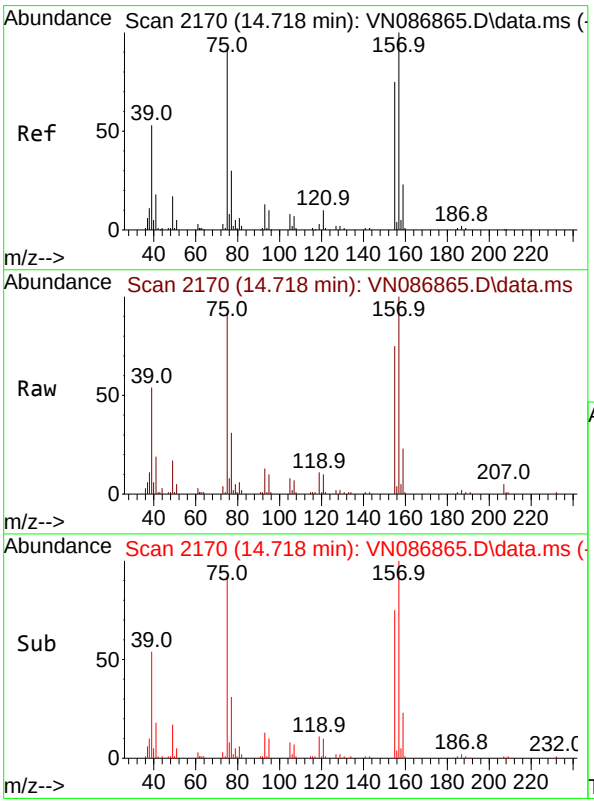
#91
1,2-Dichlorobenzene
Concen: 47.486 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 251235

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	64.6
148	63.4	31.7	95.1

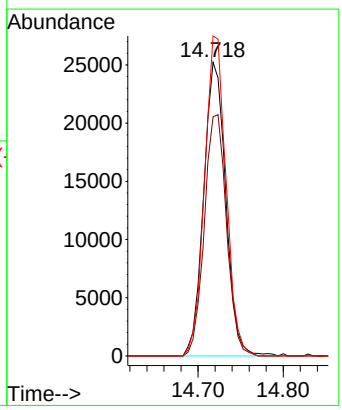


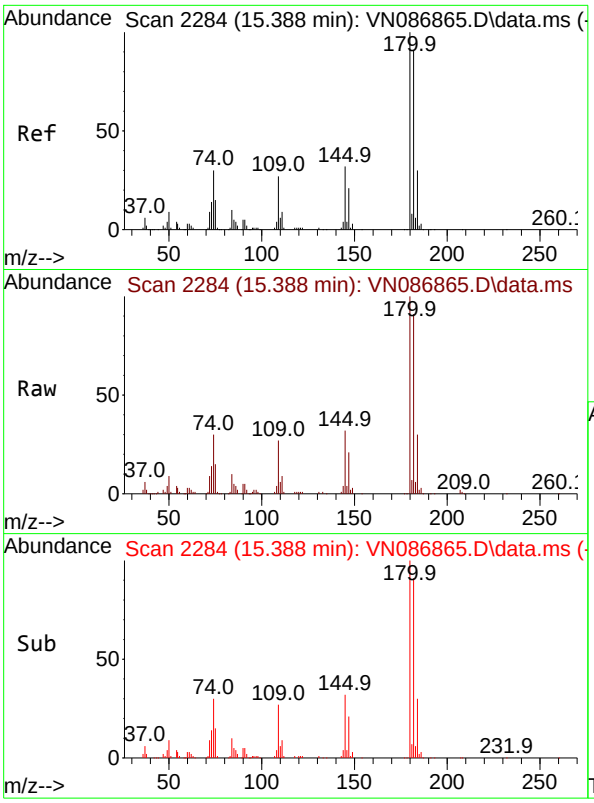


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.049 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion: 75 Resp: 45535

Ion	Ratio	Lower	Upper
75	100		
155	82.3	41.1	123.4
157	105.4	52.7	158.1



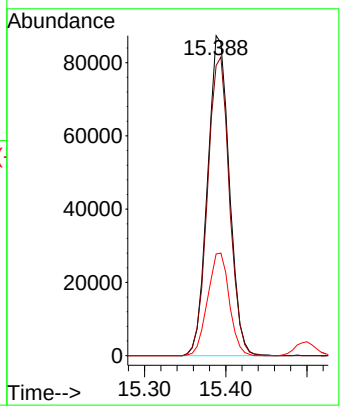


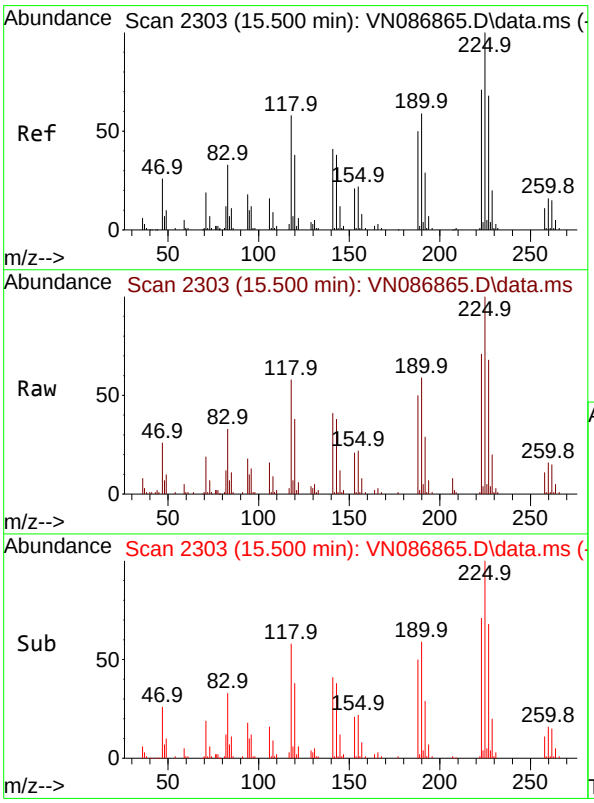
#93
1,2,4-Trichlorobenzene
Concen: 48.061 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 162374

Ion	Ratio	Lower	Upper
180	100		
182	93.8	46.9	140.7
145	31.9	16.0	47.9

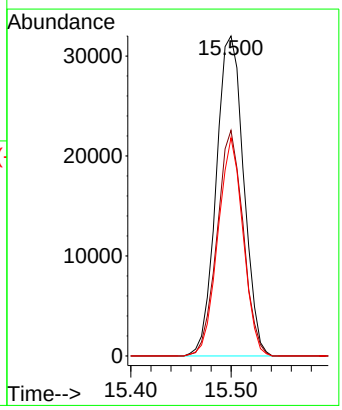


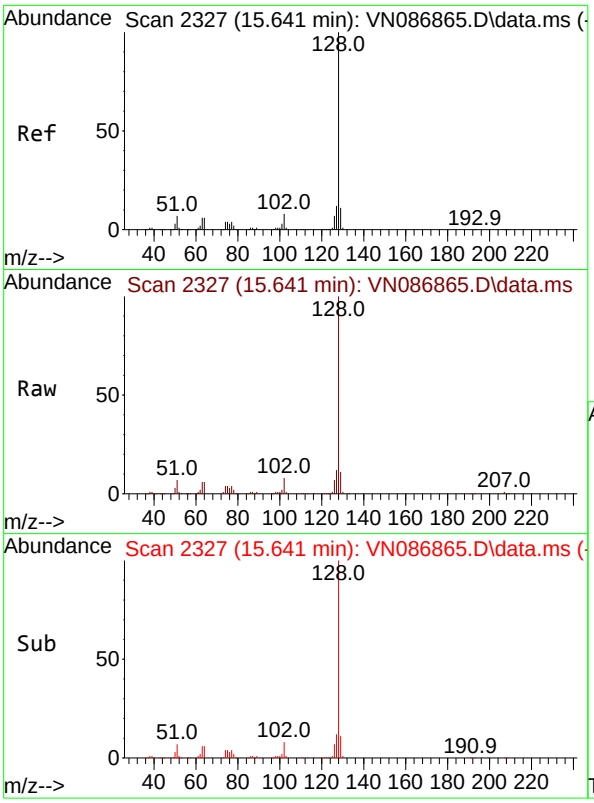


#94
Hexachlorobutadiene
Concen: 48.356 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:225 Resp: 60866

Ion	Ratio	Lower	Upper
225	100		
223	66.9	33.5	100.4
227	62.3	31.1	93.5



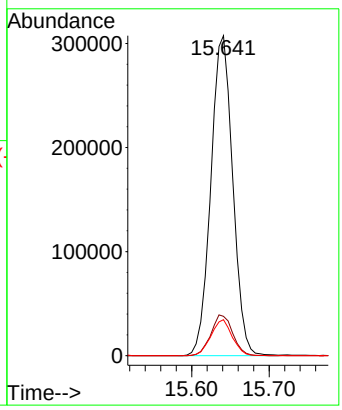


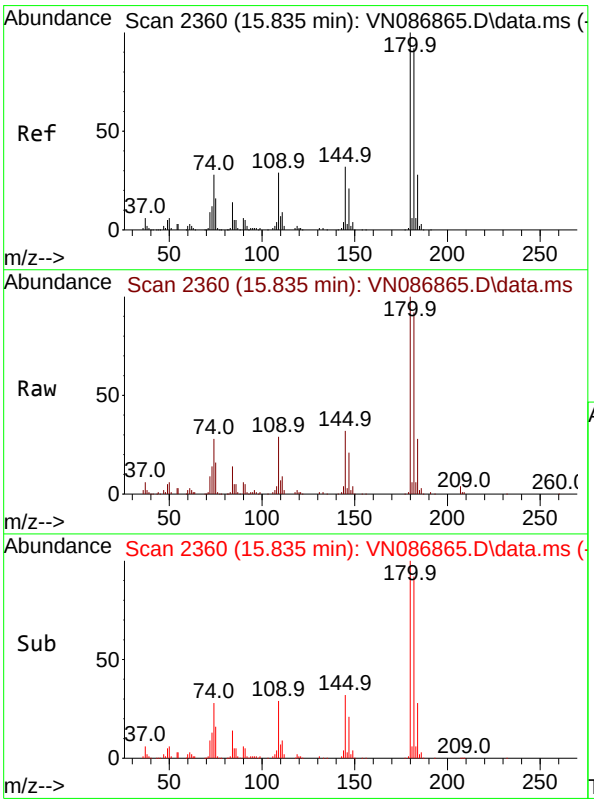
#95
Naphthalene
Concen: 47.958 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 603088

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.0	8.8	13.2

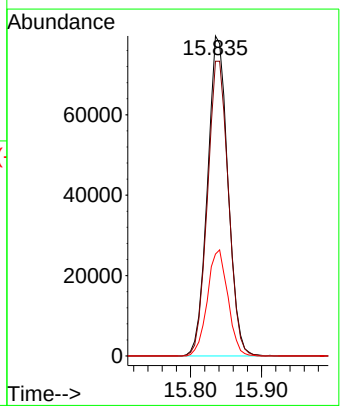




#96
1,2,3-Trichlorobenzene
Concen: 47.402 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086865.D
Acq: 06 Jun 2025 14:03

Tgt Ion:180 Resp: 159113

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.0	141.0
145	33.2	16.6	49.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	181996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	327782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	290313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	147098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	238957	98.065	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 196.120%#			
35) Dibromofluoromethane	8.177	113	195212	100.495	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 200.980%#			
50) Toluene-d8	10.570	98	772210	100.419	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 200.840%#			
62) 4-Bromofluorobenzene	12.847	95	292385	102.339	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 204.680%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	194799	107.350	ug/l	100
3) Chloromethane	2.395	50	224558	95.833	ug/l	98
4) Vinyl Chloride	2.553	62	245135	101.414	ug/l	98
5) Bromomethane	2.977	94	137967	101.996	ug/l	99
6) Chloroethane	3.147	64	152150	97.447	ug/l	97
7) Trichlorofluoromethane	3.524	101	312394	98.917	ug/l	99
8) Diethyl Ether	3.983	74	139844	101.631	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.389	101	198739	100.163	ug/l	99
10) Methyl Iodide	4.612	142	262771	102.162	ug/l	99
11) Tert butyl alcohol	5.547	59	327987	496.062	ug/l	99
12) 1,1-Dichloroethene	4.359	96	200212	98.838	ug/l	99
13) Acrolein	4.200	56	94171	449.961	ug/l	98
14) Allyl chloride	5.047	41	329412	98.055	ug/l	99
15) Acrylonitrile	5.735	53	770470	498.552	ug/l	99
16) Acetone	4.447	43	608178	470.648	ug/l	98
17) Carbon Disulfide	4.736	76	544511	97.179	ug/l	100
18) Methyl Acetate	5.047	43	381808	101.390	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	735694	100.306	ug/l	100
20) Methylene Chloride	5.294	84	228800	94.575	ug/l	97
21) trans-1,2-Dichloroethene	5.806	96	215177	95.476	ug/l	99
22) Diisopropyl ether	6.688	45	696881	98.409	ug/l	98
23) Vinyl Acetate	6.618	43	2919350	487.936	ug/l	100
24) 1,1-Dichloroethane	6.588	63	404207	99.186	ug/l	99
25) 2-Butanone	7.494	43	1043385	496.743	ug/l	100
26) 2,2-Dichloropropane	7.500	77	331995	104.729	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	265248	98.410	ug/l	99
28) Bromochloromethane	7.824	49	188050	93.851	ug/l	99
29) Tetrahydrofuran	7.847	42	677636	495.240	ug/l	99
30) Chloroform	7.977	83	394927	97.040	ug/l	99
31) Cyclohexane	8.265	56	374933	94.869	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	336819	97.306	ug/l	99
36) 1,1-Dichloropropene	8.382	75	289907	100.156	ug/l	99
37) Ethyl Acetate	7.571	43	370652	100.591	ug/l	99
38) Carbon Tetrachloride	8.371	117	285325	100.404	ug/l	98
39) Methylcyclohexane	9.606	83	395603	99.758	ug/l	99
40) Benzene	8.612	78	927083	97.946	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.794	41	195946	94.688	ug/l		95
42) 1,2-Dichloroethane	8.676	62	282015	98.232	ug/l		100
43) Isopropyl Acetate	8.694	43	579464	97.981	ug/l		99
44) Trichloroethene	9.359	130	222822	99.280	ug/l		97
45) 1,2-Dichloropropane	9.629	63	230454	100.077	ug/l		98
46) Dibromomethane	9.712	93	155530	101.685	ug/l		99
47) Bromodichloromethane	9.894	83	316375	100.533	ug/l		100
48) Methyl methacrylate	9.682	41	275710	101.288	ug/l		99
49) 1,4-Dioxane	9.706	88	104771	2115.744	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.447	43	1843274	517.729	ug/l		99
52) Toluene	10.635	92	578978	100.092	ug/l		100
53) t-1,3-Dichloropropene	10.841	75	359200	102.077	ug/l		99
54) cis-1,3-Dichloropropene	10.318	75	383030	101.730	ug/l		99
55) 1,1,2-Trichloroethane	11.017	97	219922	98.808	ug/l		98
56) Ethyl methacrylate	10.882	69	389802	109.955	ug/l		99
57) 1,3-Dichloropropane	11.165	76	382510	99.069	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.165	63	1113523	526.621	ug/l		100
59) 2-Hexanone	11.200	43	1301539	567.535	ug/l		99
60) Dibromochloromethane	11.359	129	237965	102.616	ug/l		100
61) 1,2-Dibromoethane	11.470	107	232214	101.787	ug/l		98
64) Tetrachloroethene	11.106	164	181568	98.824	ug/l		94
65) Chlorobenzene	11.894	112	632563	98.793	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	206895	100.521	ug/l		100
67) Ethyl Benzene	11.964	91	1110803	100.717	ug/l		99
68) m/p-Xylenes	12.070	106	854557	202.411	ug/l		99
69) o-Xylene	12.400	106	412719	102.070	ug/l		100
70) Styrene	12.412	104	713548	103.127	ug/l		100
71) Bromoform	12.576	173	165781	108.707	ug/l	#	99
73) Isopropylbenzene	12.694	105	1065297	99.410	ug/l		100
74) N-amyl acetate	12.506	43	403587	113.475	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.941	83	354386	97.616	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	485083	138.300	ug/l		69
77) Bromobenzene	12.982	156	246413	100.266	ug/l		99
78) n-propylbenzene	13.035	91	1301631	99.948	ug/l		100
79) 2-Chlorotoluene	13.123	91	770308	98.630	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	901317	101.873	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	160736	105.820	ug/l		92
82) 4-Chlorotoluene	13.223	91	783657	99.166	ug/l		100
83) tert-Butylbenzene	13.435	119	807528	99.710	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	904794	101.983	ug/l		100
85) sec-Butylbenzene	13.617	105	1182155	100.513	ug/l		99
86) p-Isopropyltoluene	13.729	119	990273	101.857	ug/l		100
87) 1,3-Dichlorobenzene	13.735	146	474162	98.063	ug/l		100
88) 1,4-Dichlorobenzene	13.811	146	483003	97.978	ug/l		99
89) n-Butylbenzene	14.053	91	937913	99.598	ug/l		100
90) Hexachloroethane	14.335	117	169772	103.019	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	458049	98.602	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	83243	95.877	ug/l		96
93) 1,2,4-Trichlorobenzene	15.394	180	298870	100.751	ug/l		99
94) Hexachlorobutadiene	15.500	225	112496	101.789	ug/l		98
95) Naphthalene	15.641	128	1129434	102.290	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	294127	99.796	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

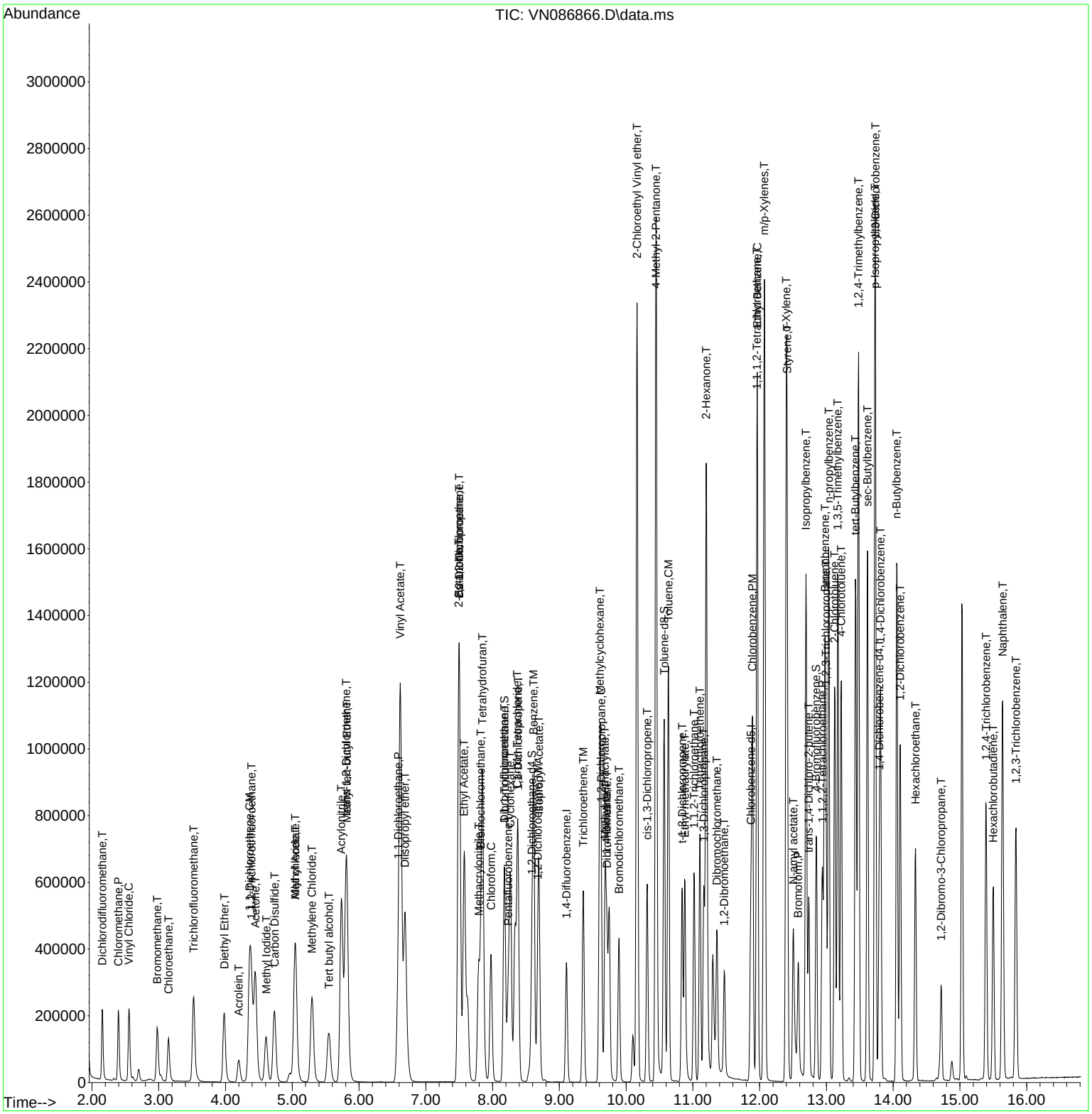
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

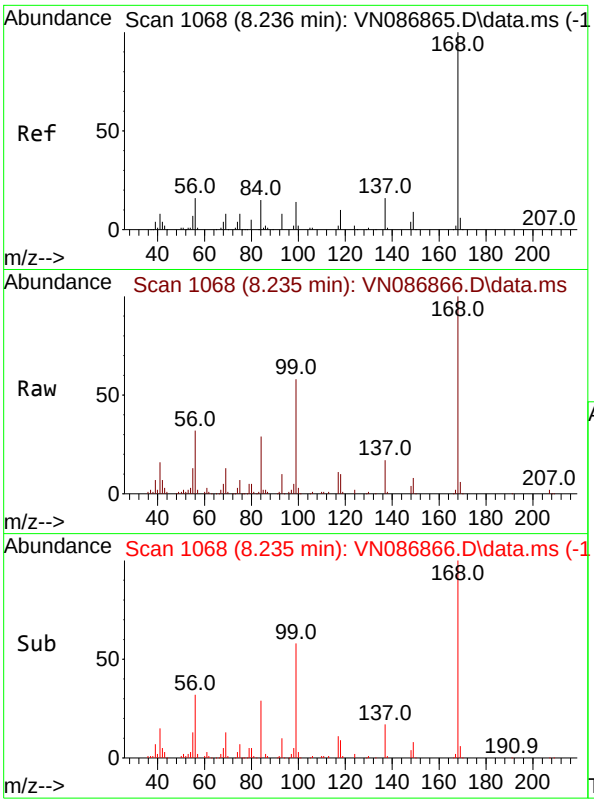
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration



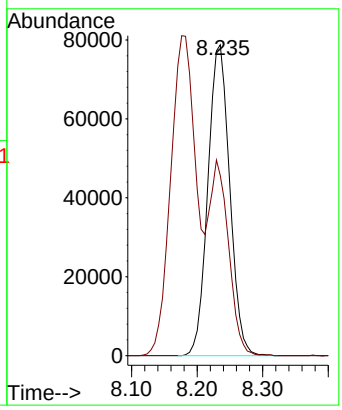


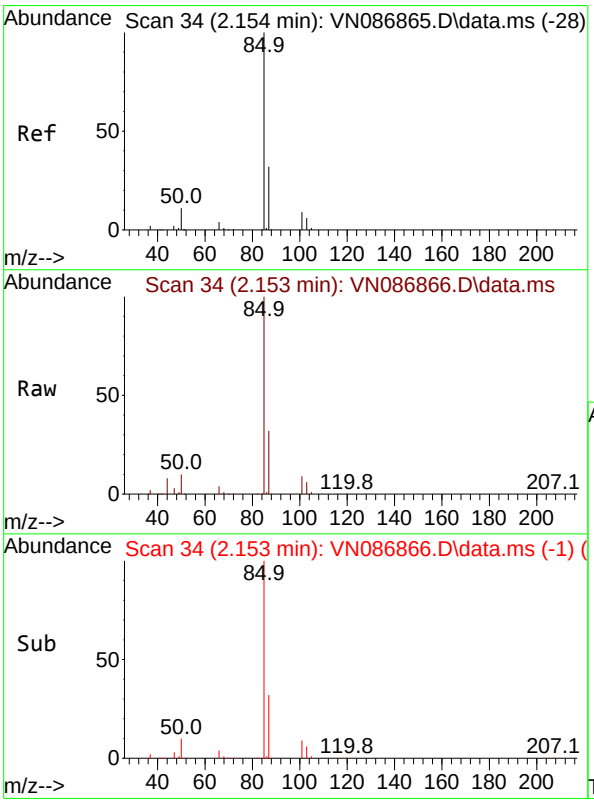
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 181996

Ion	Ratio	Lower	Upper
168	100		
99	57.9	49.1	73.7

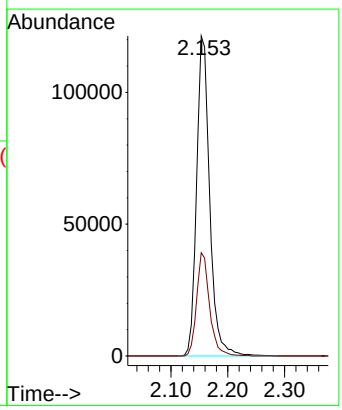


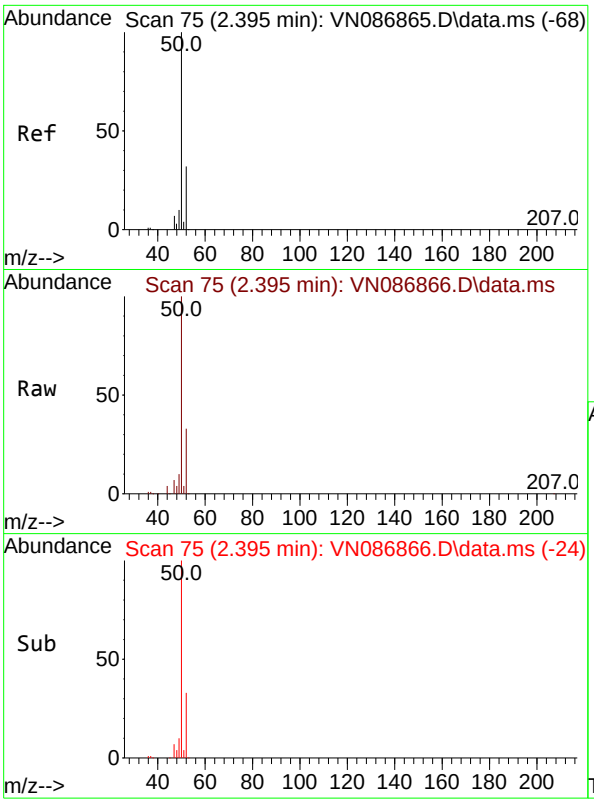


#2
Dichlorodifluoromethane
Concen: 107.350 ug/l
RT: 2.153 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 85 Resp: 194799

Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.2	48.6



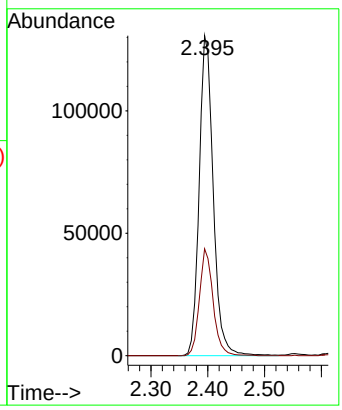


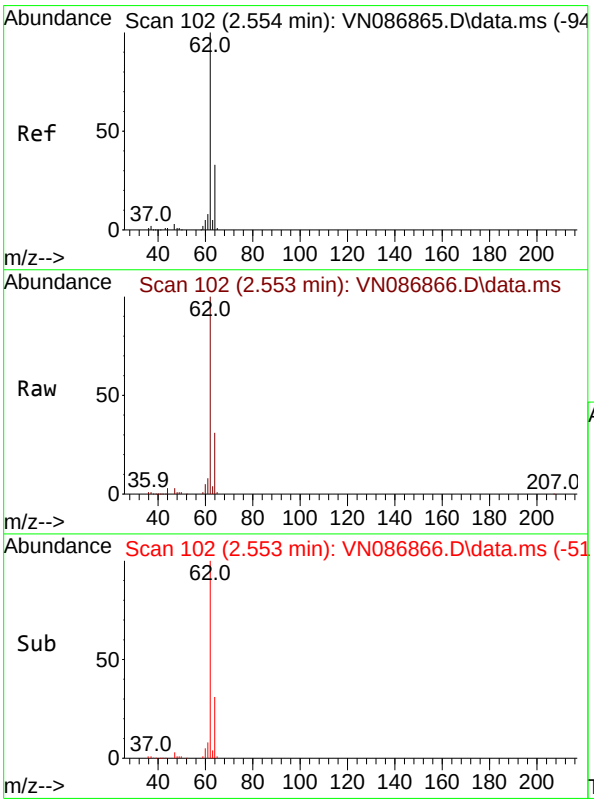
#3
Chloromethane
Concen: 95.833 ug/l
RT: 2.395 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 224558

Ion	Ratio	Lower	Upper
50	100		
52	33.4	25.7	38.5

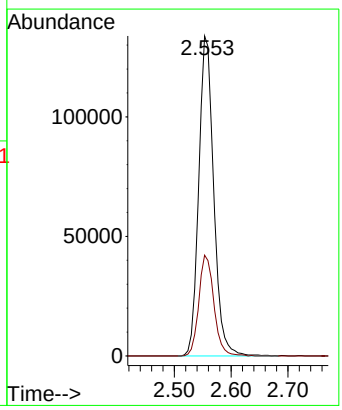


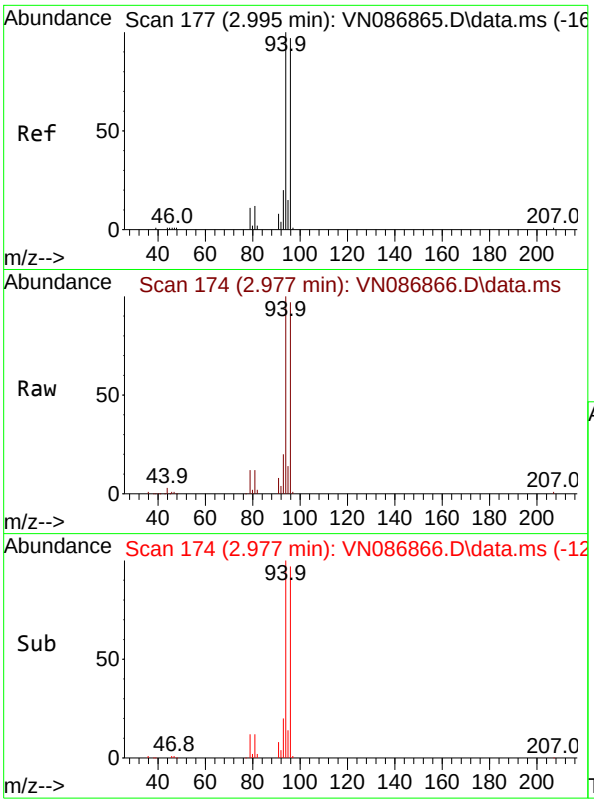


#4
Vinyl Chloride
Concen: 101.414 ug/l
RT: 2.553 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 62 Resp: 245135

Ion	Ratio	Lower	Upper
62	100		
64	31.5	26.0	39.0



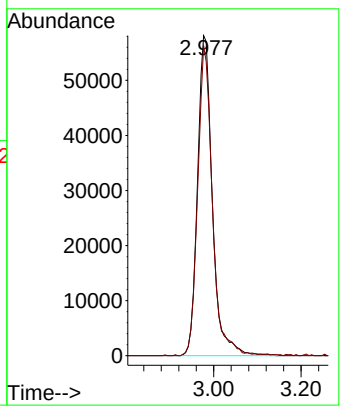


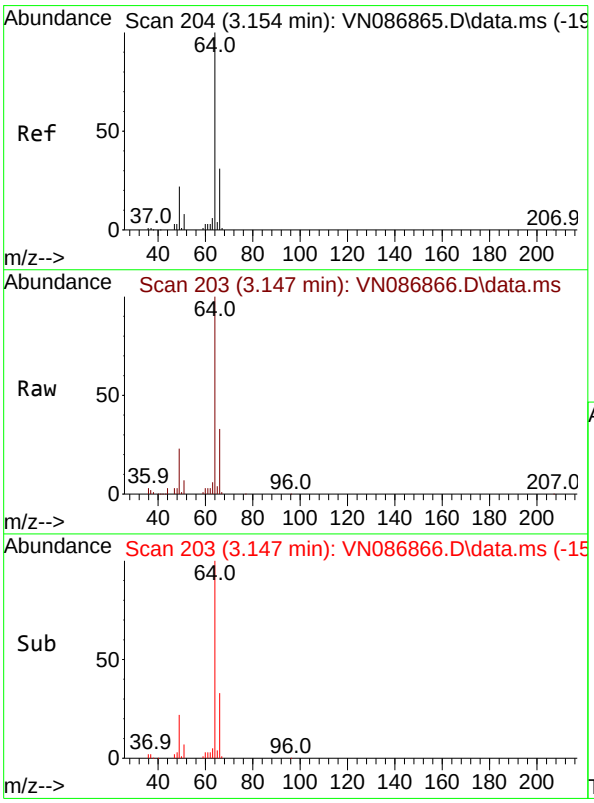
#5
Bromomethane
Concen: 101.996 ug/l
RT: 2.977 min Scan# 1
Delta R.T. -0.018 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 137967

Ion	Ratio	Lower	Upper
94	100		
96	96.8	77.9	116.9

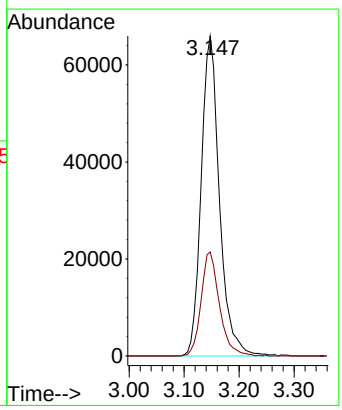


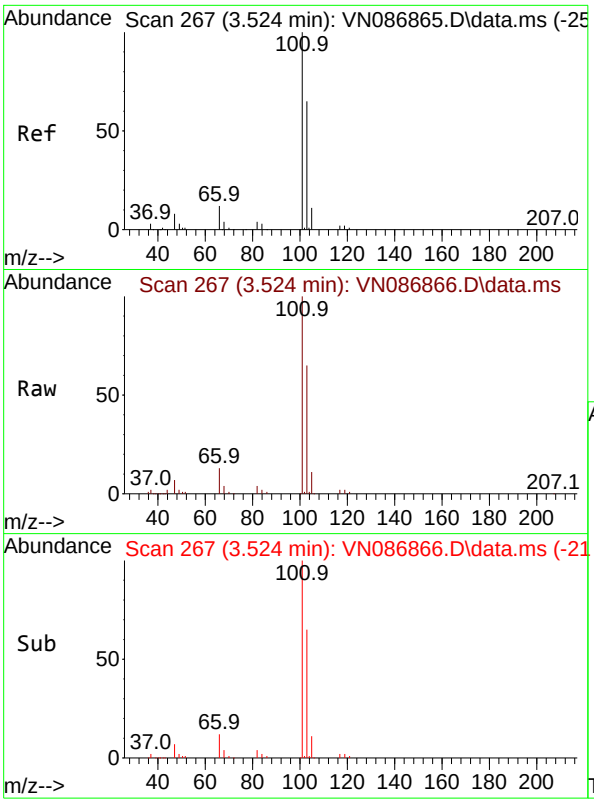


#6
Chloroethane
Concen: 97.447 ug/l
RT: 3.147 min Scan# 203
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 64 Resp: 152150

Ion	Ratio	Lower	Upper
64	100		
66	32.5	24.6	36.8



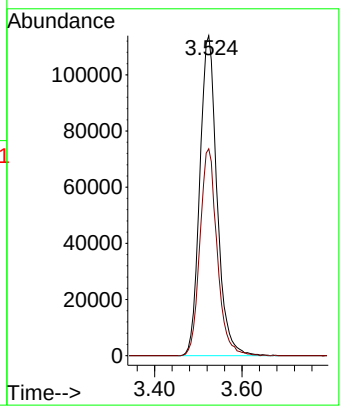


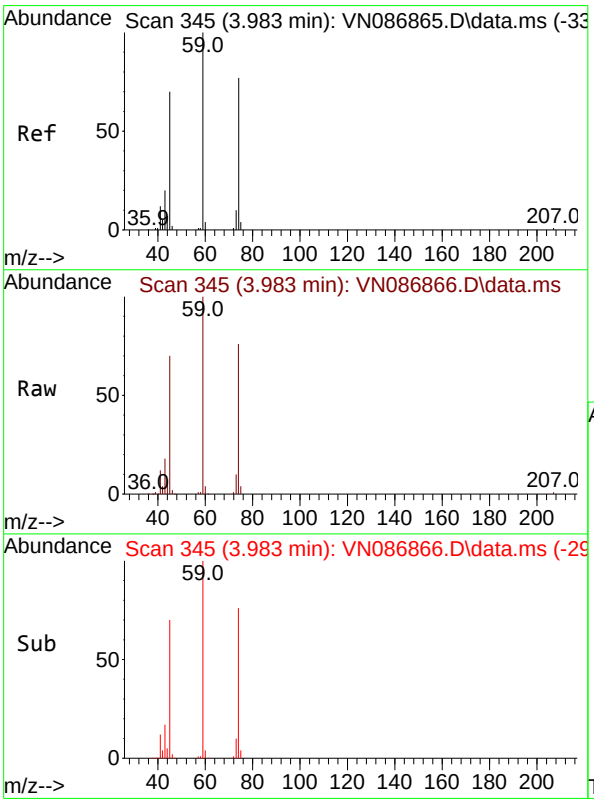
#7
Trichlorofluoromethane
Concen: 98.917 ug/l
RT: 3.524 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 312394

Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.2	78.2

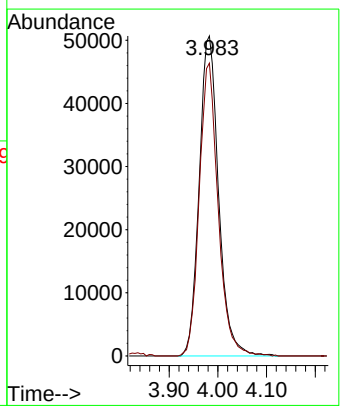


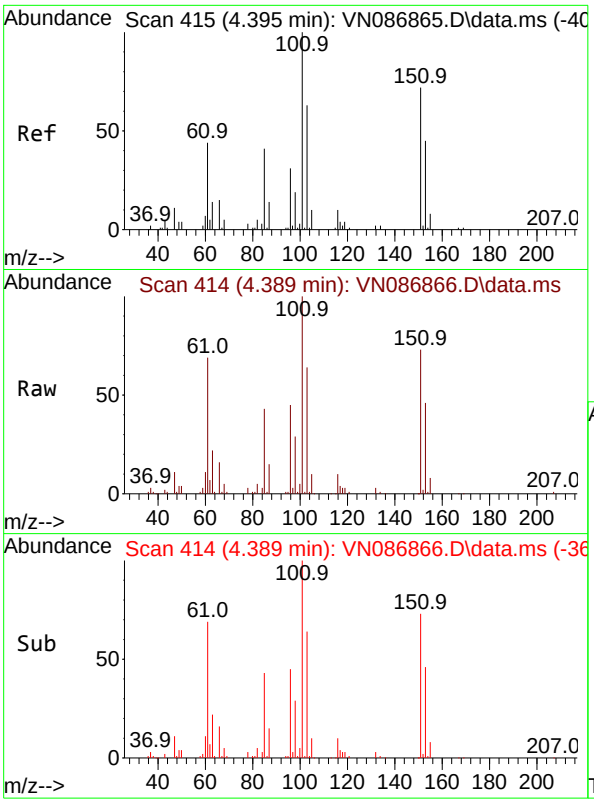


#8
Diethyl Ether
Concen: 101.631 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 74 Resp: 139844

Ion	Ratio	Lower	Upper
74	100		
45	89.5	45.5	136.5



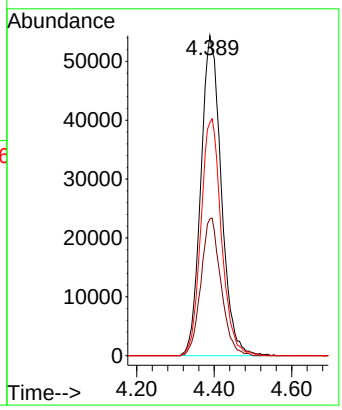


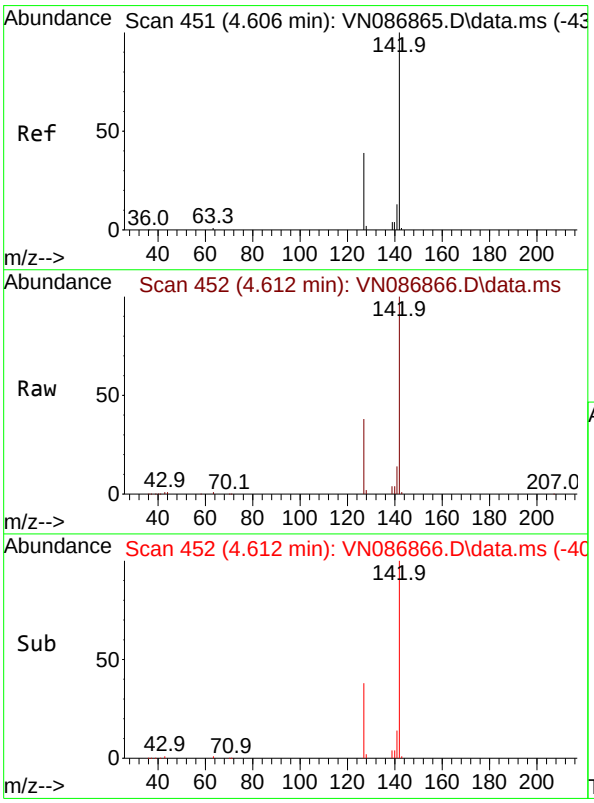
#9
1,1,2-Trichlorotrifluoroethane
Concen: 100.163 ug/l
RT: 4.389 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 198739

Ion	Ratio	Lower	Upper
101	100		
85	42.2	33.8	50.8
151	74.2	58.7	88.1

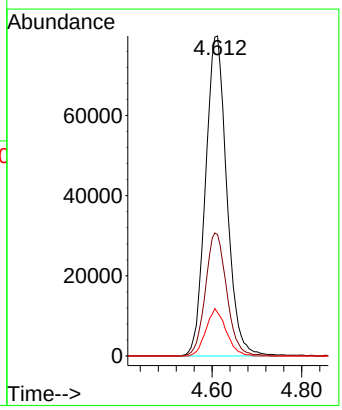


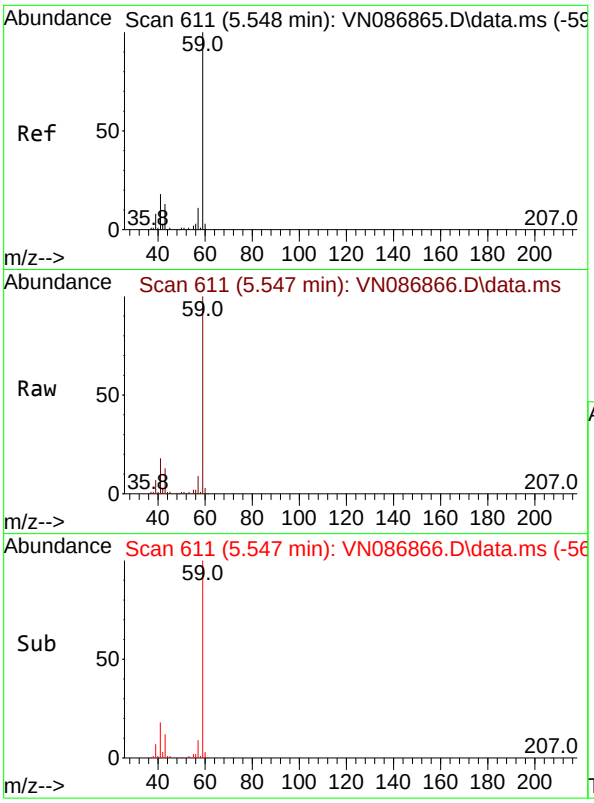


#10
Methyl Iodide
Concen: 102.162 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:142 Resp: 262771

Ion	Ratio	Lower	Upper
142	100		
127	37.9	30.9	46.3
141	13.6	10.4	15.6



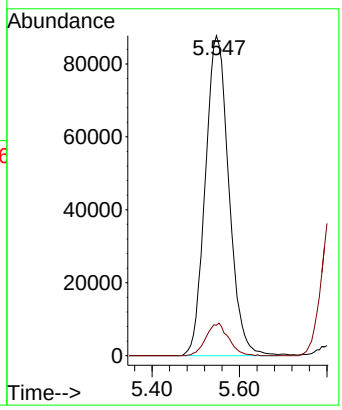


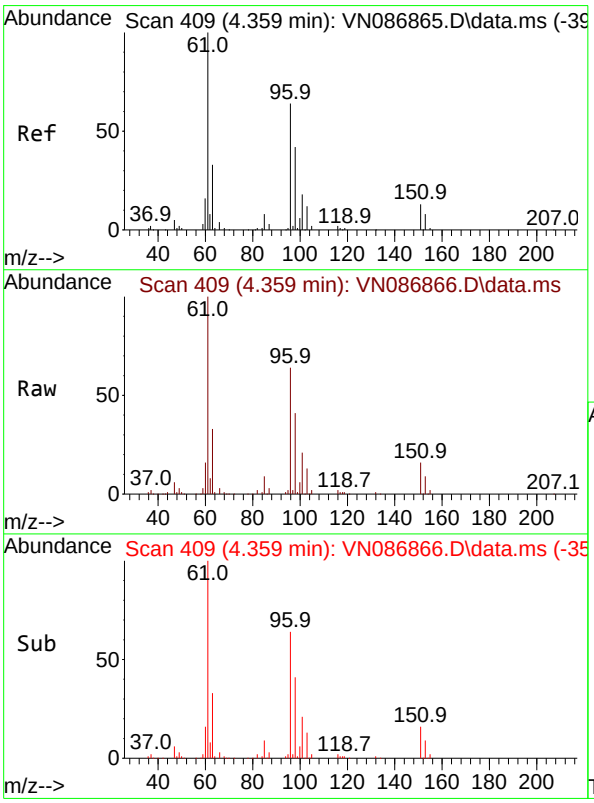
#11
Tert butyl alcohol
Concen: 496.062 ug/l
RT: 5.547 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 327987

Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.1	12.1

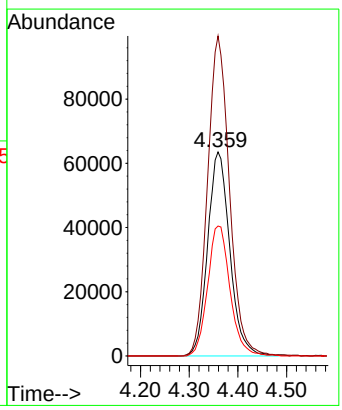


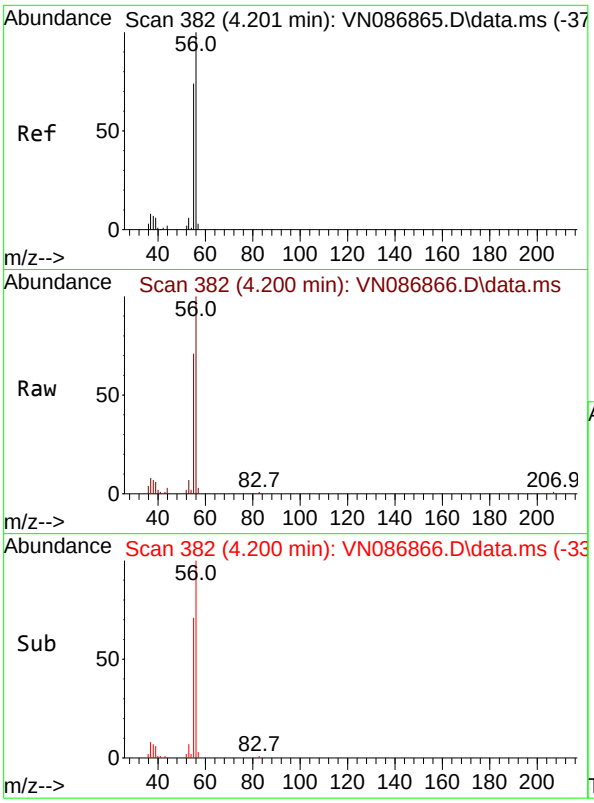


#12
1,1-Dichloroethene
Concen: 98.838 ug/l
RT: 4.359 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 96 Resp: 200212

Ion	Ratio	Lower	Upper
96	100		
61	156.9	125.8	188.6
98	63.7	52.5	78.7



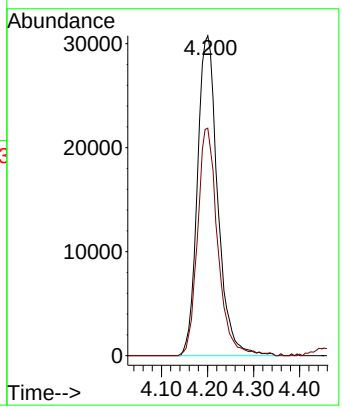


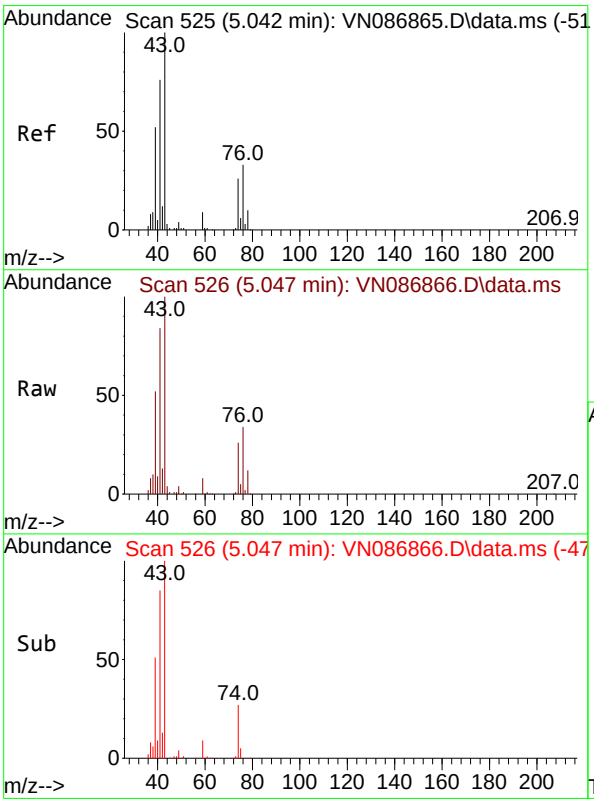
#13
Acrolein
Concen: 449.961 ug/l
RT: 4.200 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 94171

Ion	Ratio	Lower	Upper
56	100		
55	70.9	55.6	83.4

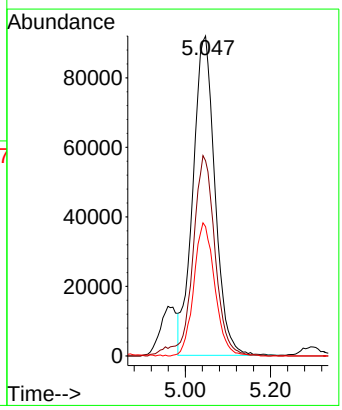


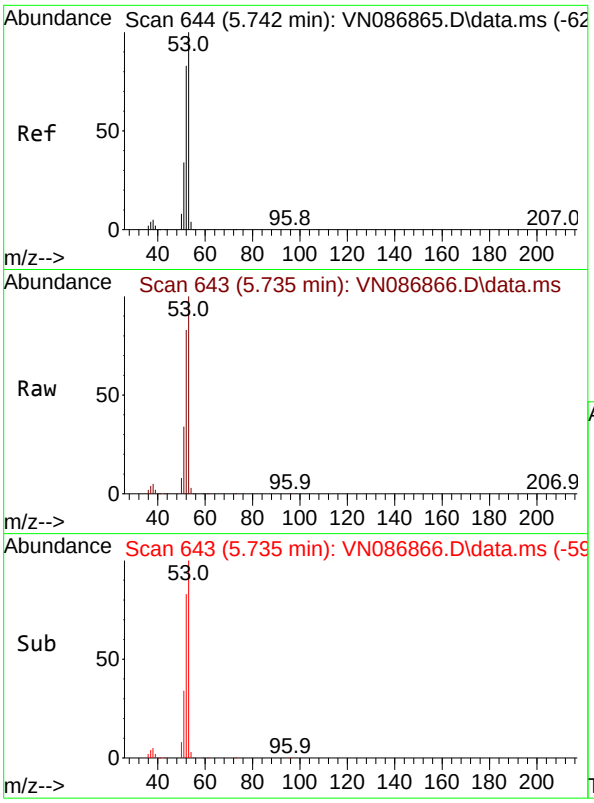


#14
Allyl chloride
Concen: 98.055 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 41 Resp: 329412

Ion	Ratio	Lower	Upper
41	100		
39	63.7	51.3	76.9
76	39.7	31.4	47.0



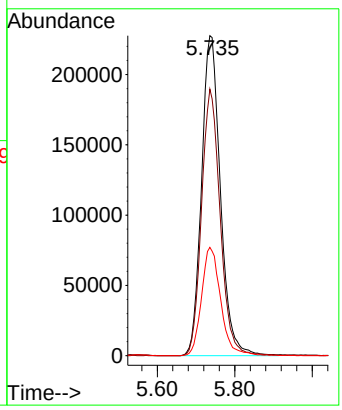


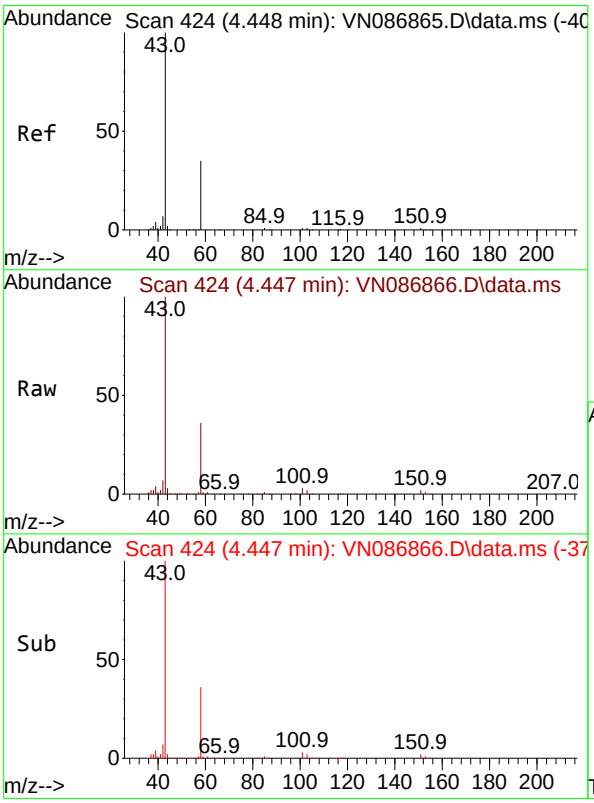
#15
Acrylonitrile
Concen: 498.552 ug/l
RT: 5.735 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 770470

Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.0	97.6
51	34.4	27.2	40.8

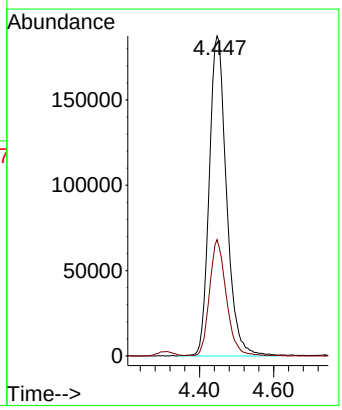


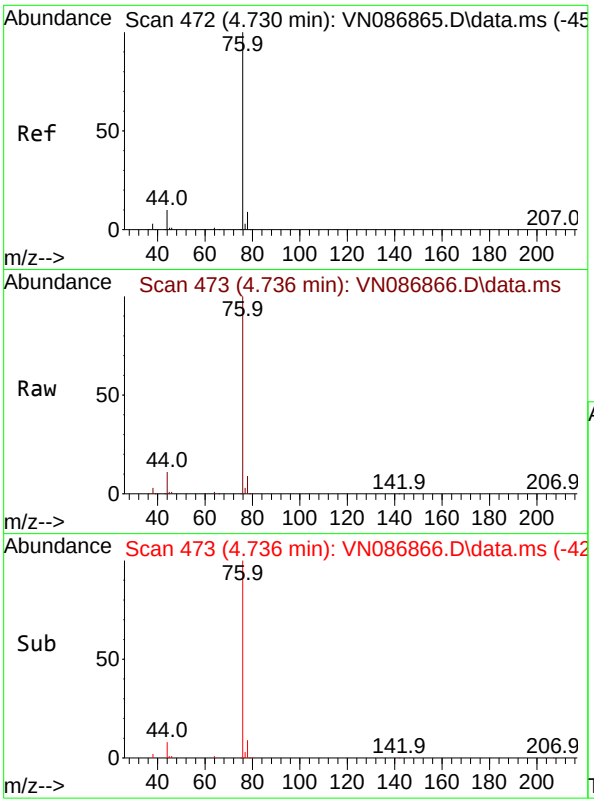


#16
Acetone
Concen: 470.648 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 43 Resp: 608178

Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.0	42.0



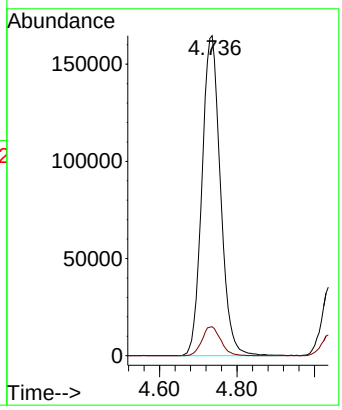


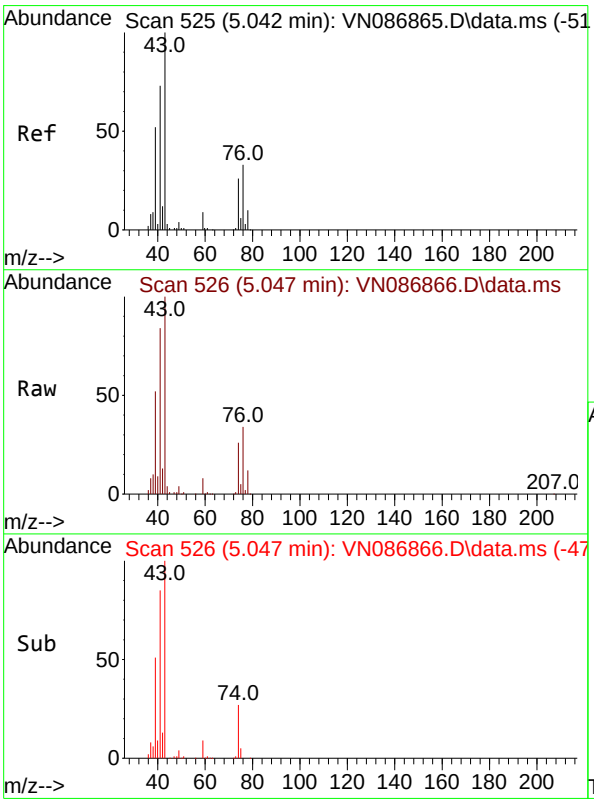
#17
Carbon Disulfide
Concen: 97.179 ug/l
RT: 4.736 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 544511

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

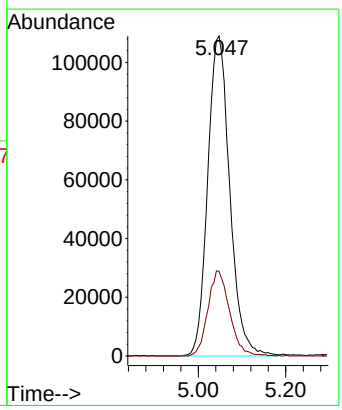


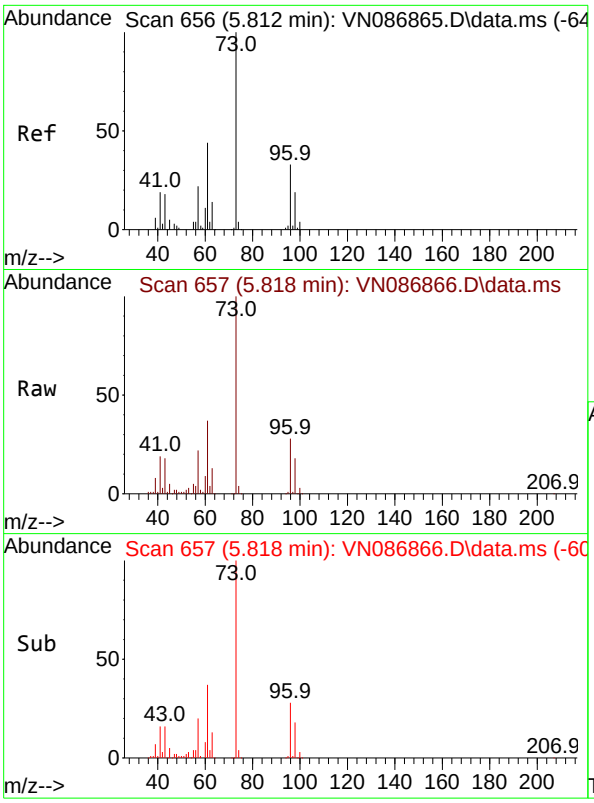


#18
Methyl Acetate
Concen: 101.390 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 43 Resp: 381808

Ion	Ratio	Lower	Upper
43	100		
74	26.1	20.7	31.1



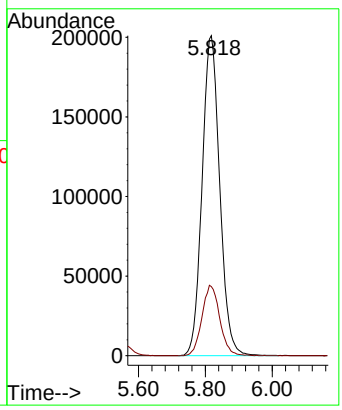


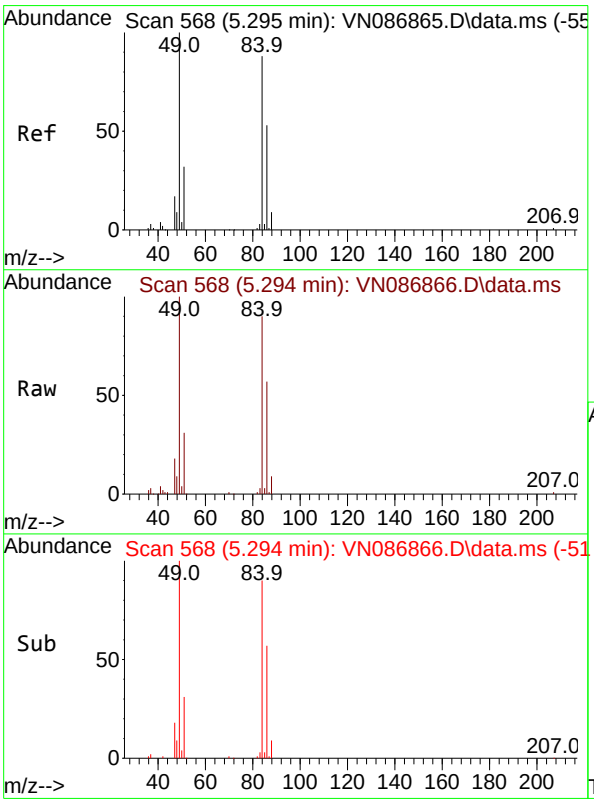
#19
Methyl tert-butyl Ether
Concen: 100.306 ug/l
RT: 5.818 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 735694

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.2

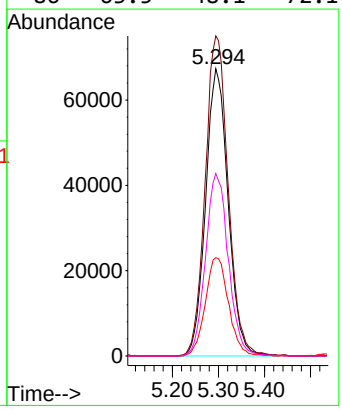


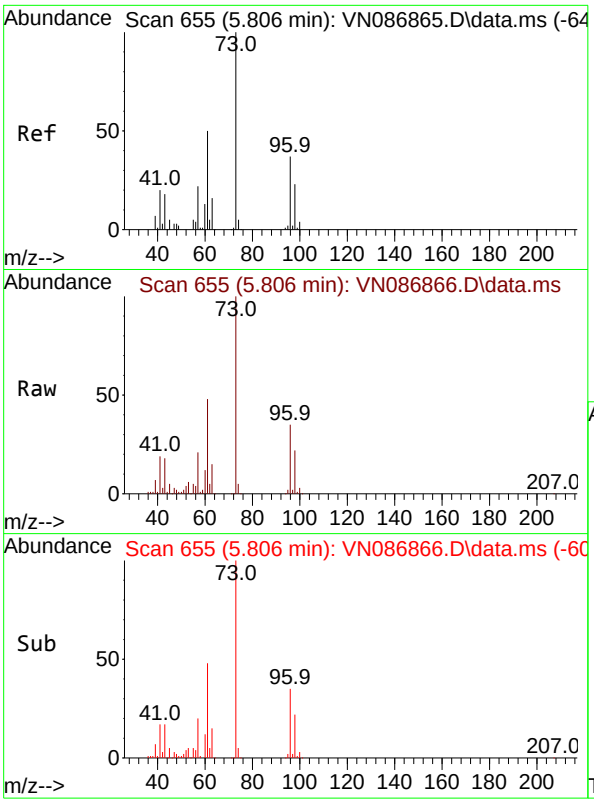


#20
Methylene Chloride
Concen: 94.575 ug/l
RT: 5.294 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 84 Resp: 228800

Ion	Ratio	Lower	Upper
84	100		
49	111.4	90.5	135.7
51	34.2	28.5	42.7
86	63.5	48.1	72.1



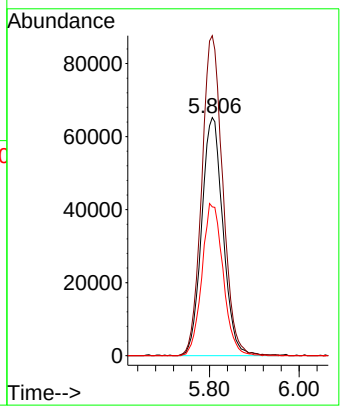


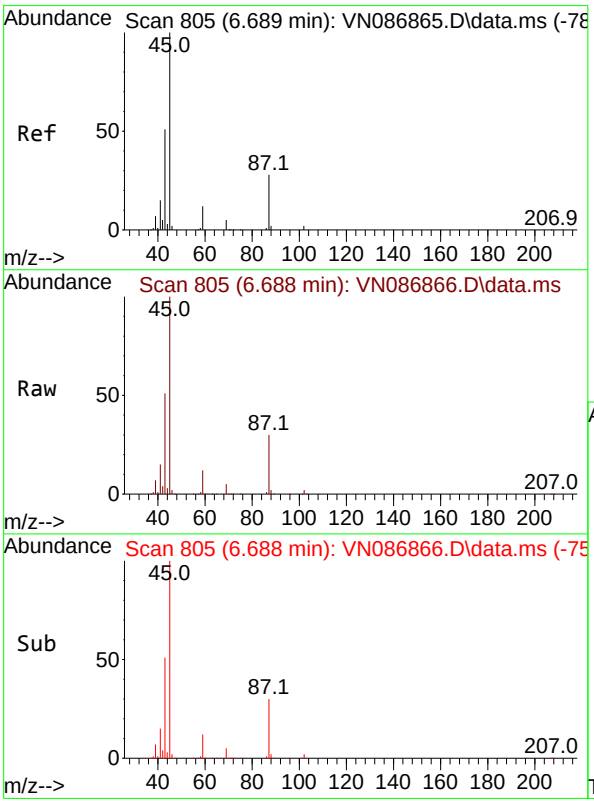
#21
trans-1,2-Dichloroethene
Concen: 95.476 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 215177

Ion	Ratio	Lower	Upper
96	100		
61	134.4	109.2	163.8
98	62.5	49.8	74.8

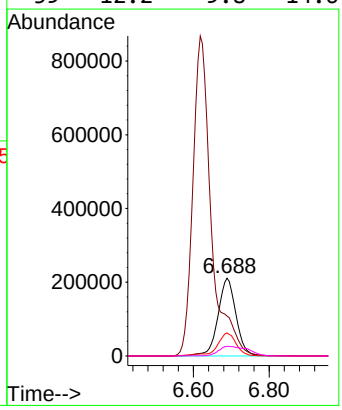


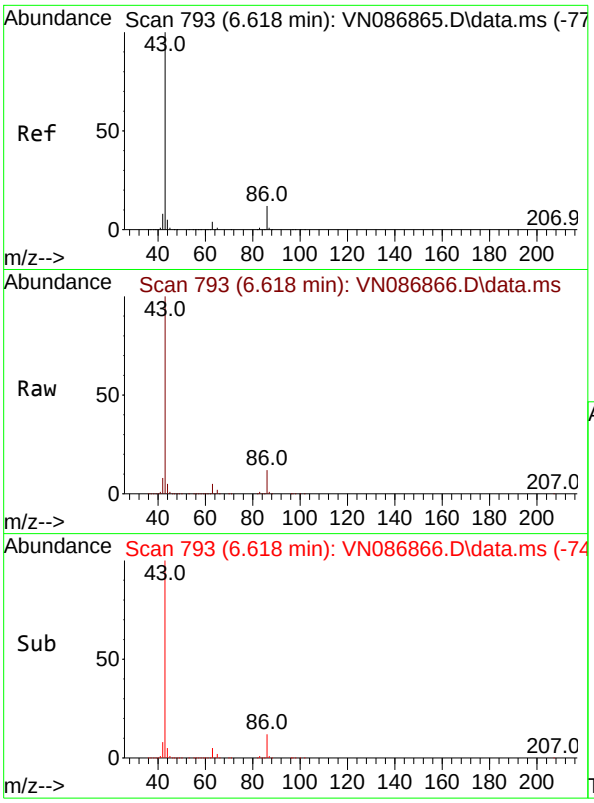


#22
Diisopropyl ether
Concen: 98.409 ug/l
RT: 6.688 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 45 Resp: 696881

Ion	Ratio	Lower	Upper
45	100		
43	51.1	41.9	62.9
87	29.6	22.4	33.6
59	12.2	9.8	14.6



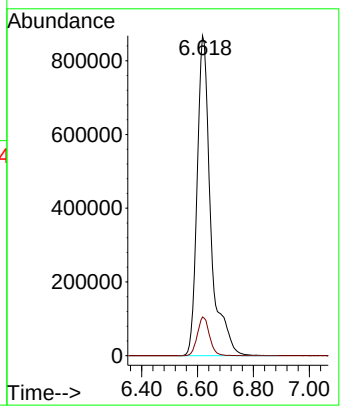


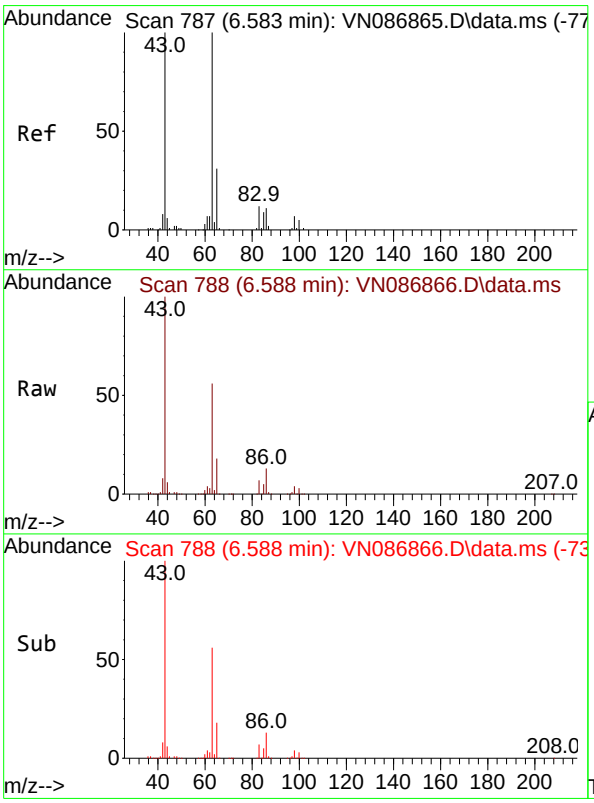
#23
Vinyl Acetate
Concen: 487.936 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2919350

Ion	Ratio	Lower	Upper
43	100		
86	12.1	9.5	14.3

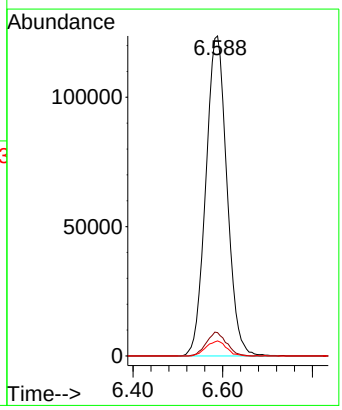


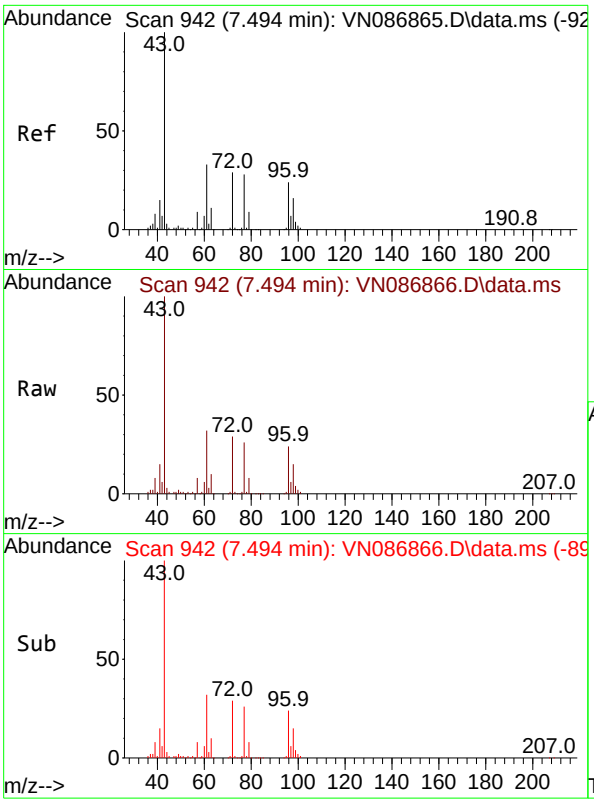


#24
1,1-Dichloroethane
Concen: 99.186 ug/l
RT: 6.588 min Scan# 788
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 63 Resp: 404207

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.6	10.8
100	4.7	2.6	7.8



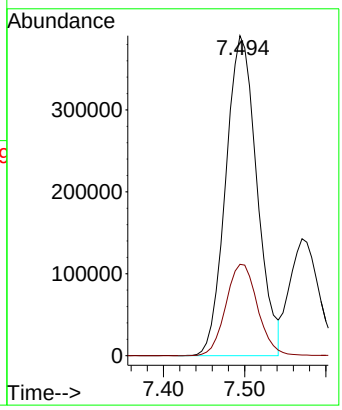


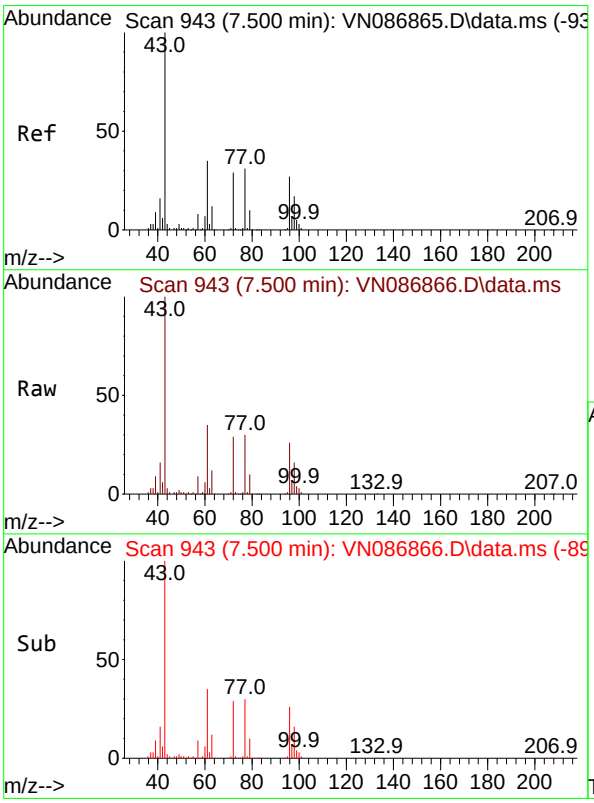
#25
2-Butanone
Concen: 496.743 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1043385

Ion	Ratio	Lower	Upper
43	100		
72	28.5	23.0	34.6

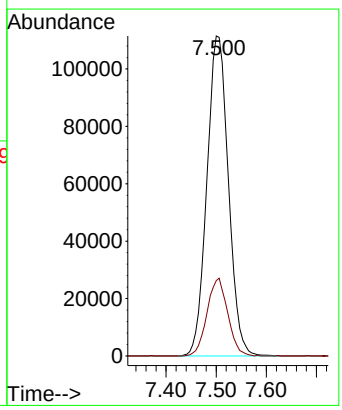


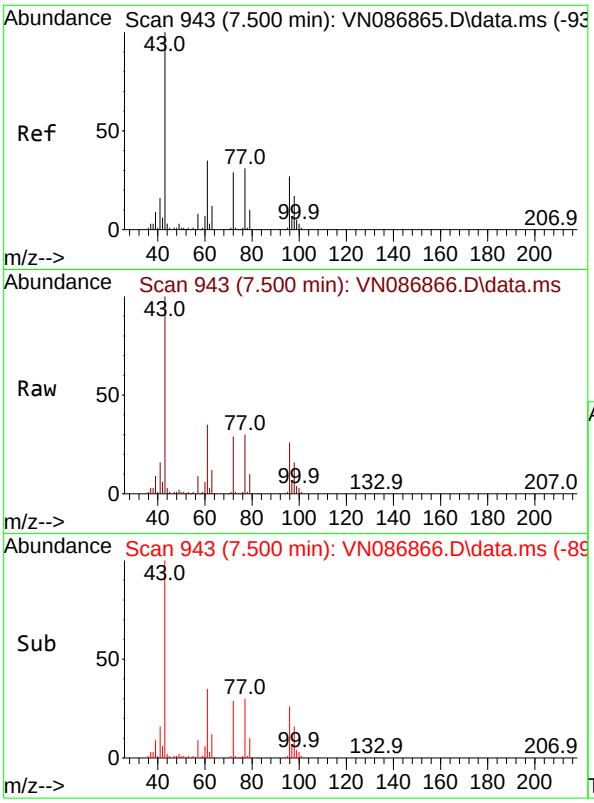


#26
2,2-Dichloropropane
Concen: 104.729 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 77 Resp: 331995

Ion	Ratio	Lower	Upper
77	100		
97	23.4	11.6	34.7



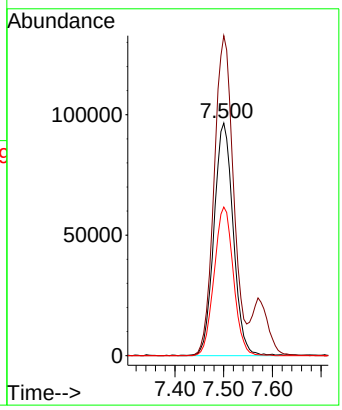


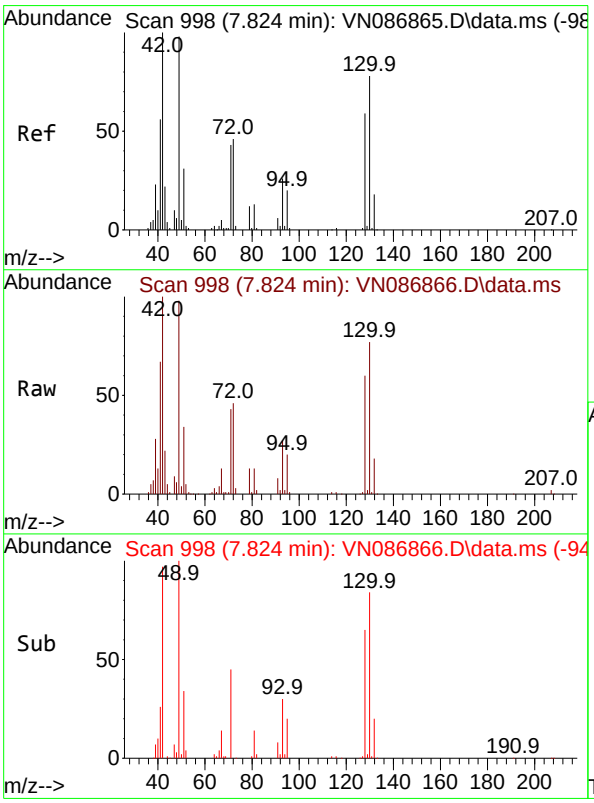
#27
cis-1,2-Dichloroethene
Concen: 98.410 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 265248

Ion	Ratio	Lower	Upper
96	100		
61	137.9	0.0	278.0
98	64.0	0.0	128.2

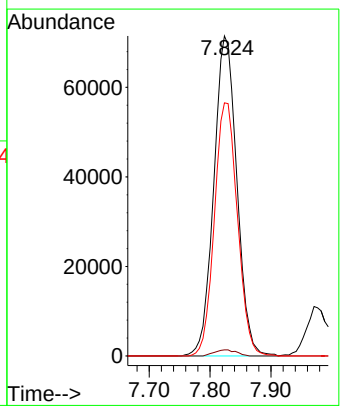


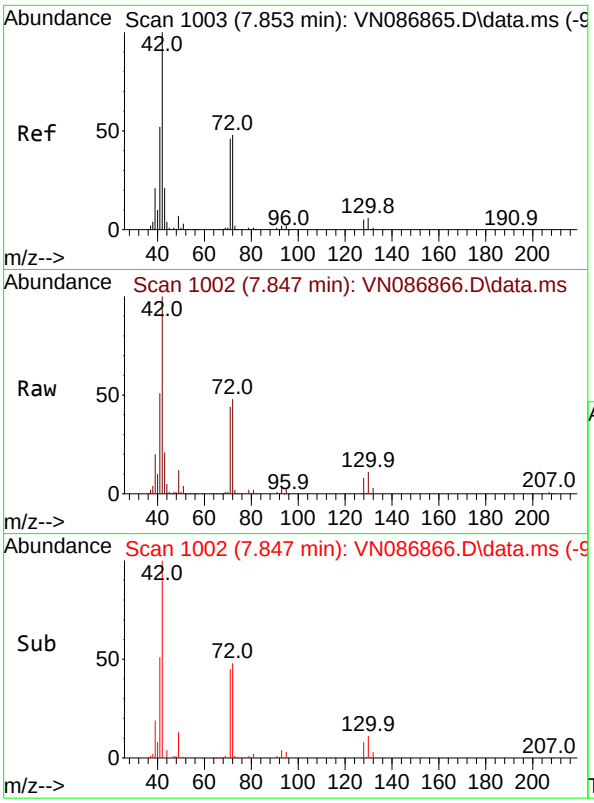


#28
Bromochloromethane
Concen: 93.851 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 49 Resp: 188050

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	78.9	62.2	93.2



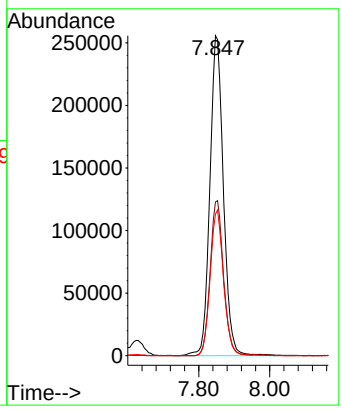


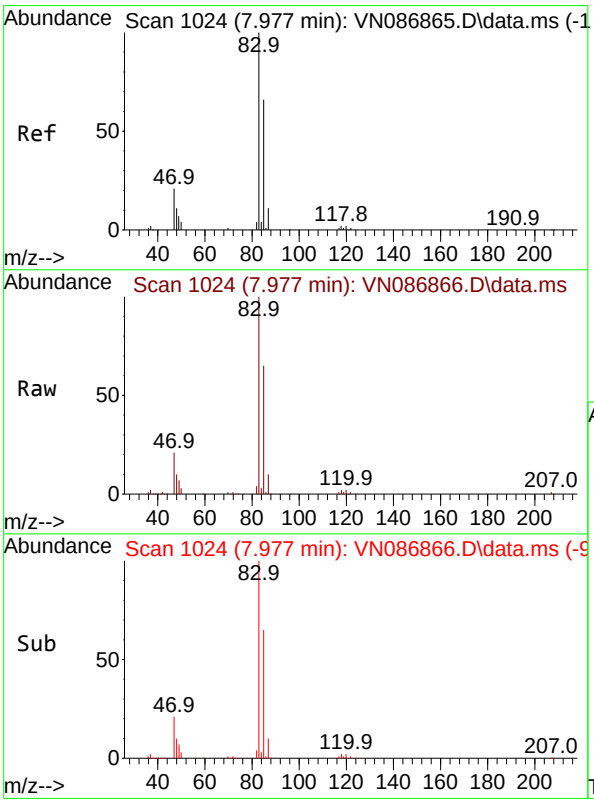
#29
Tetrahydrofuran
Concen: 495.240 ug/l
RT: 7.847 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 677636

Ion	Ratio	Lower	Upper
42	100		
72	47.9	37.8	56.6
71	44.8	35.6	53.4

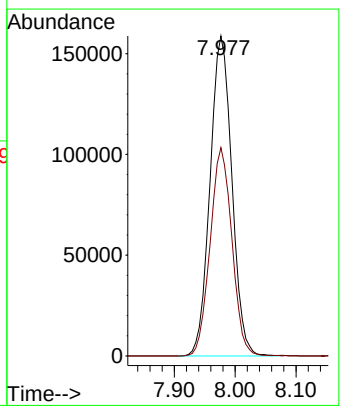


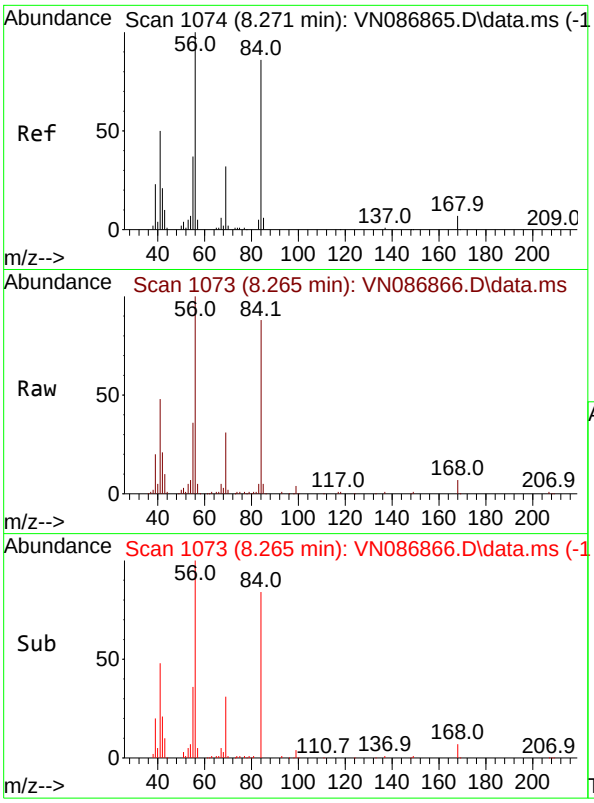


#30
Chloroform
Concen: 97.040 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 83 Resp: 394927

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.9	79.3



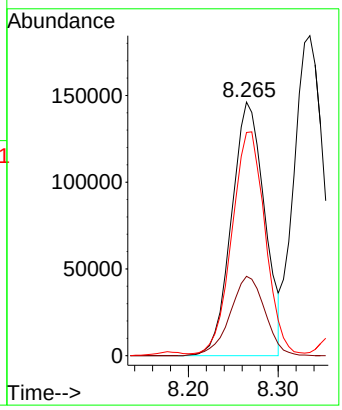


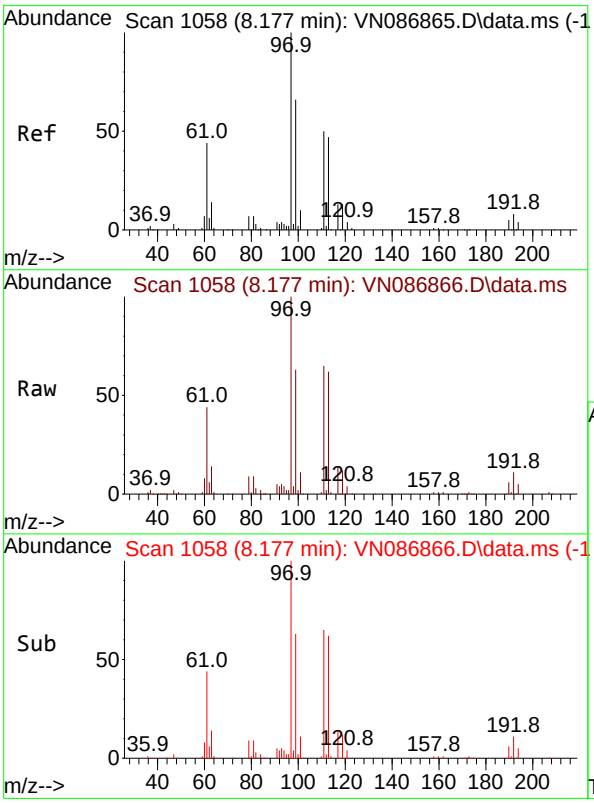
#31
Cyclohexane
Concen: 94.869 ug/l
RT: 8.265 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 374933

Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.4	38.0
84	86.8	68.8	103.2

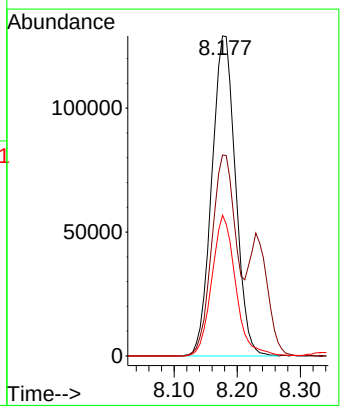


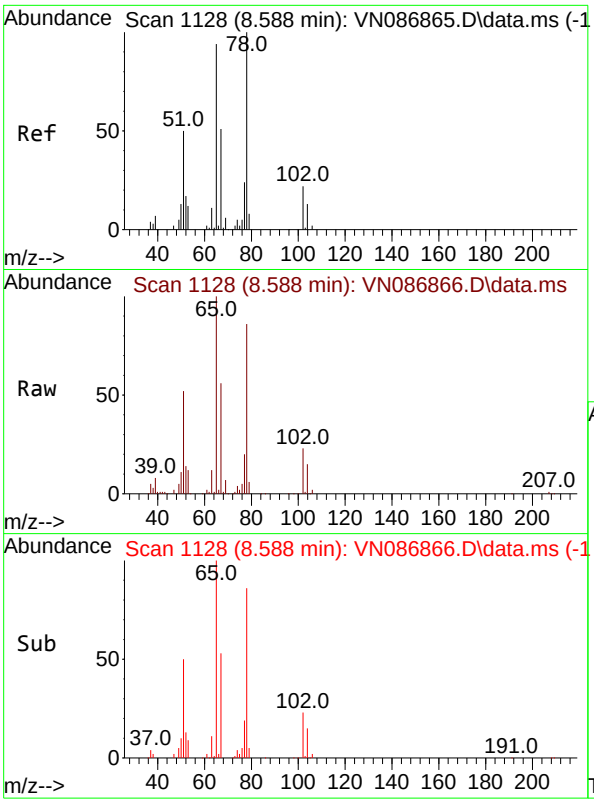


#32
1,1,1-Trichloroethane
Concen: 97.306 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 97 Resp: 336819

Ion	Ratio	Lower	Upper
97	100		
99	65.7	52.0	78.0
61	44.2	35.9	53.9



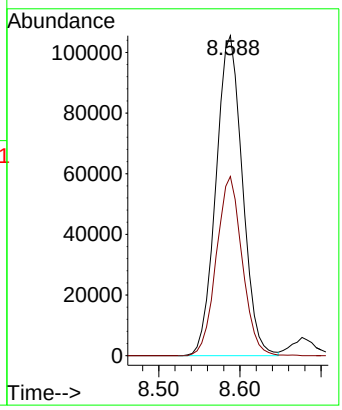


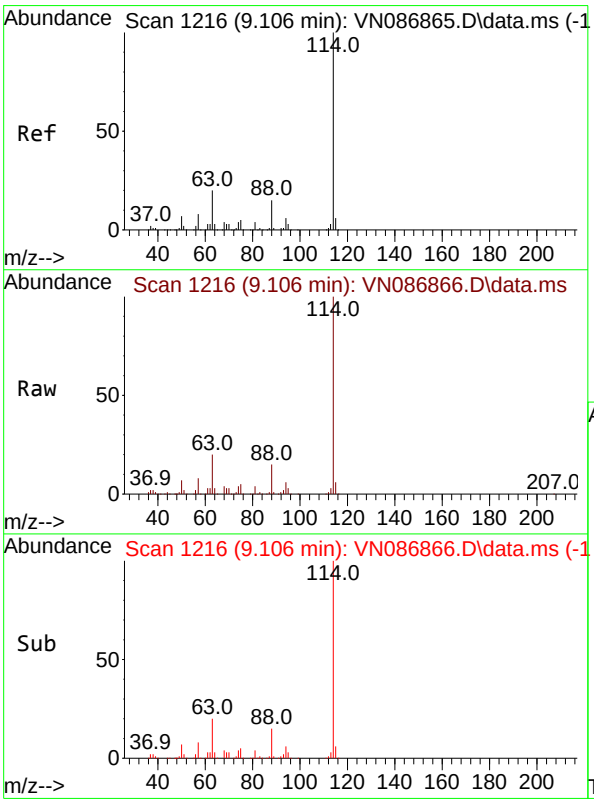
#33
1,2-Dichloroethane-d4
Concen: 98.065 ug/l
RT: 8.588 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 238957

Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	105.6

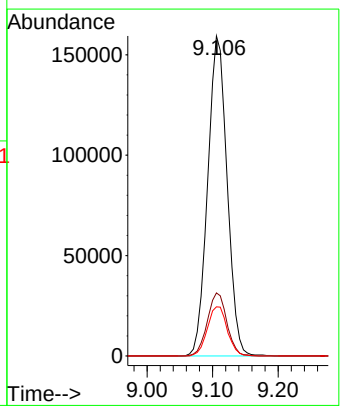


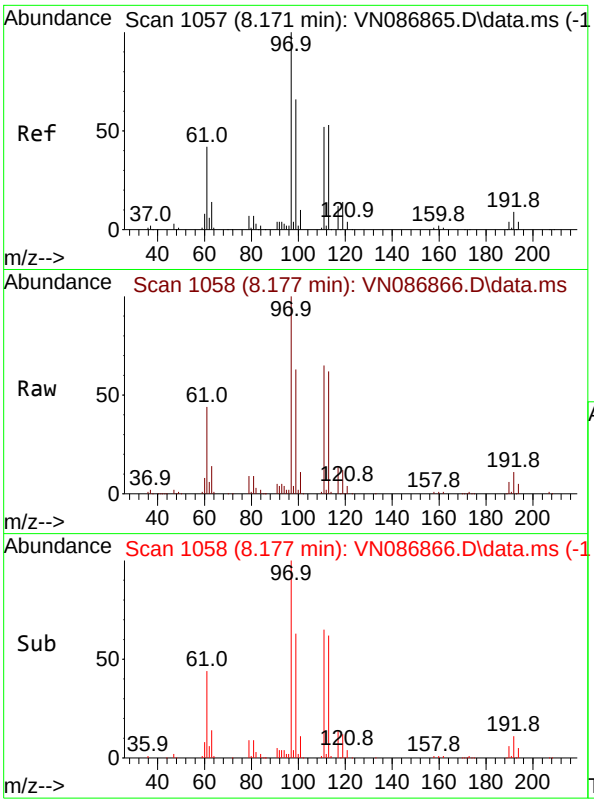


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:114 Resp: 327782

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.6
88	15.4	0.0	30.2



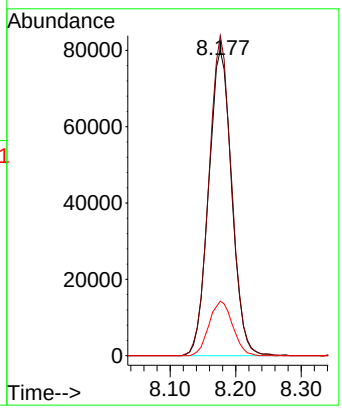


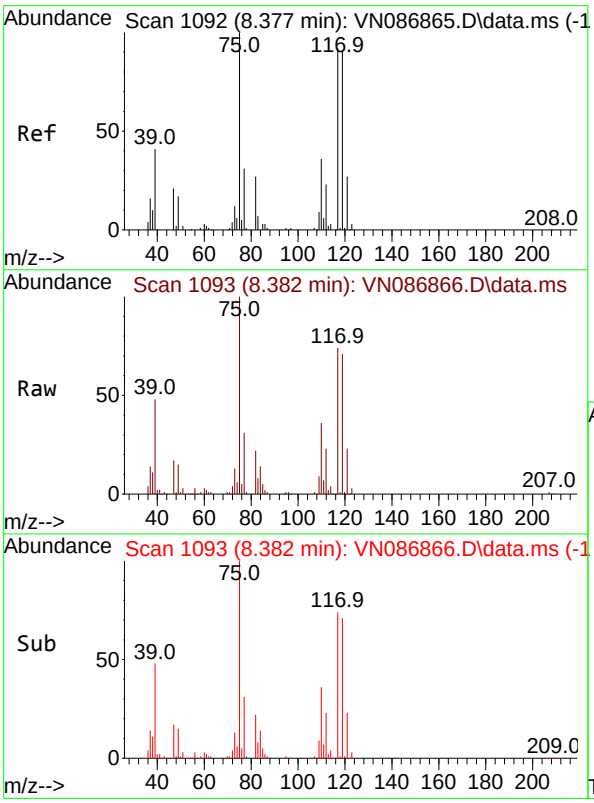
#35
Dibromofluoromethane
Concen: 100.495 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 195212

Ion	Ratio	Lower	Upper
113	100		
111	102.9	84.2	126.2
192	18.2	14.2	21.4

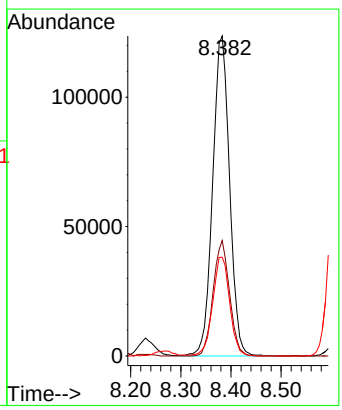


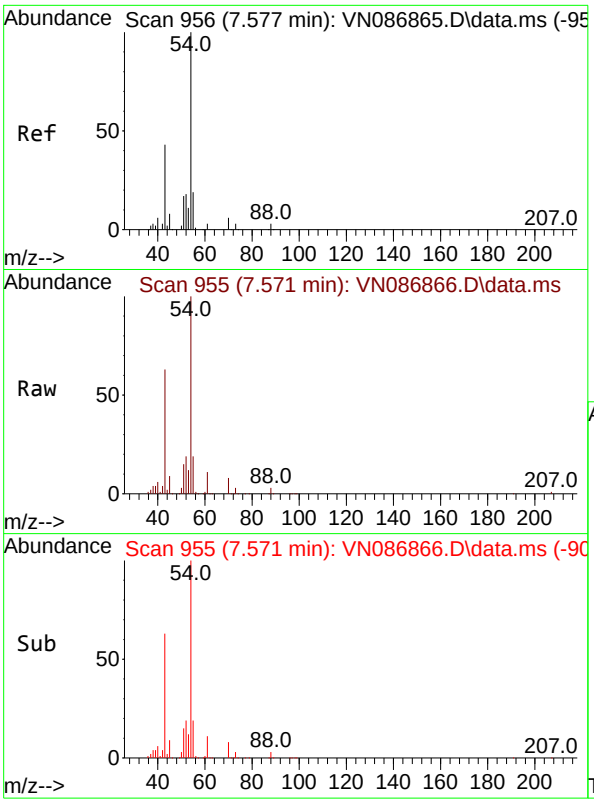


#36
1,1-Dichloropropene
Concen: 100.156 ug/l
RT: 8.382 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 75 Resp: 289907

Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.6	52.9
77	31.1	25.3	37.9



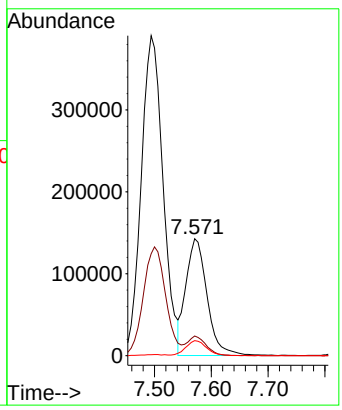


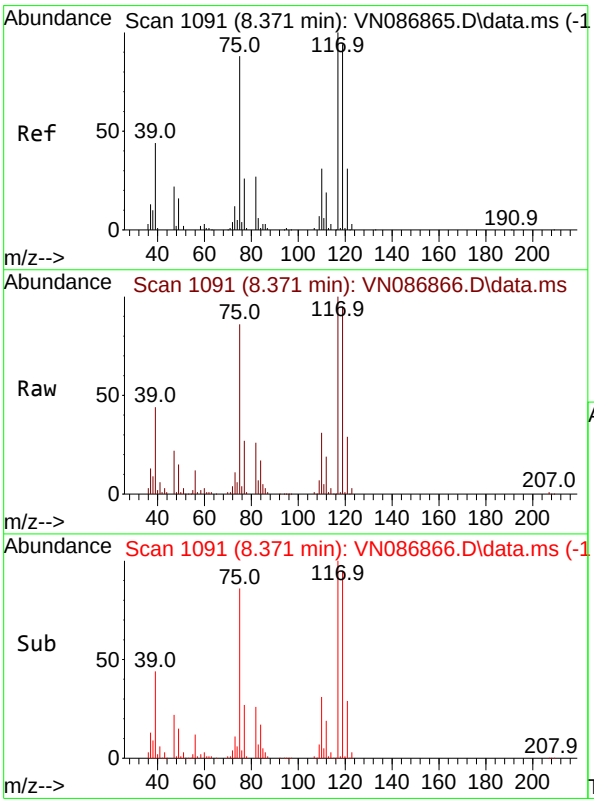
#37
Ethyl Acetate
Concen: 100.591 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 370652

Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.1	18.1
70	12.6	9.8	14.6

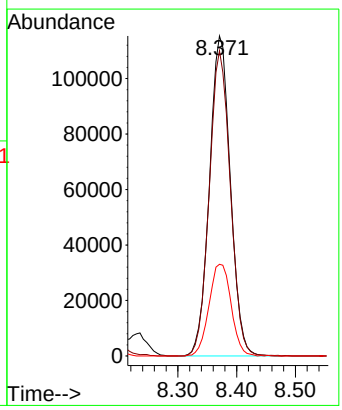


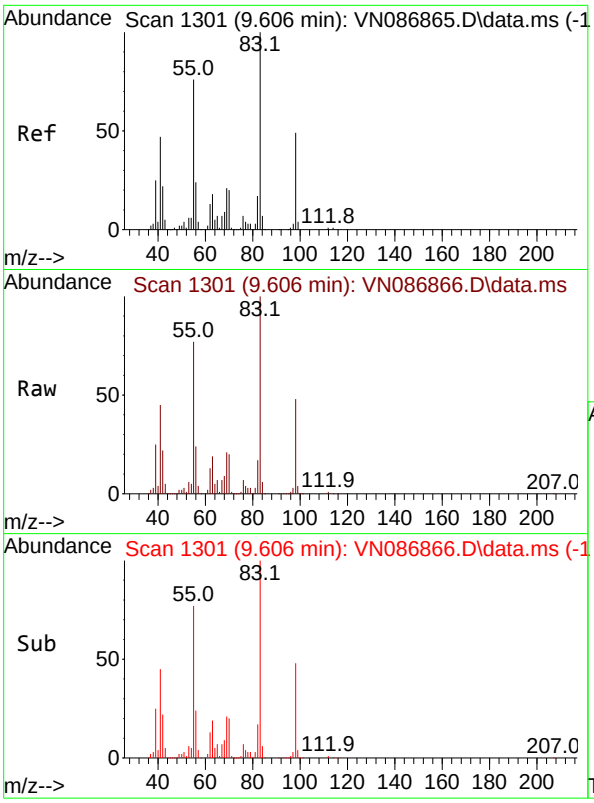


#38
Carbon Tetrachloride
Concen: 100.404 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:117 Resp: 285325

Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.0	112.6
121	28.6	24.9	37.3



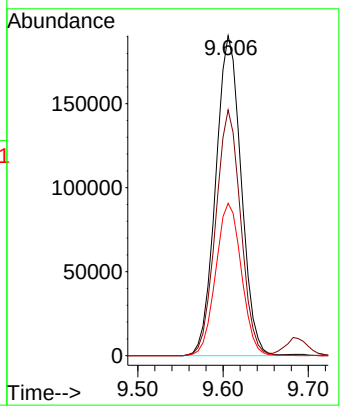


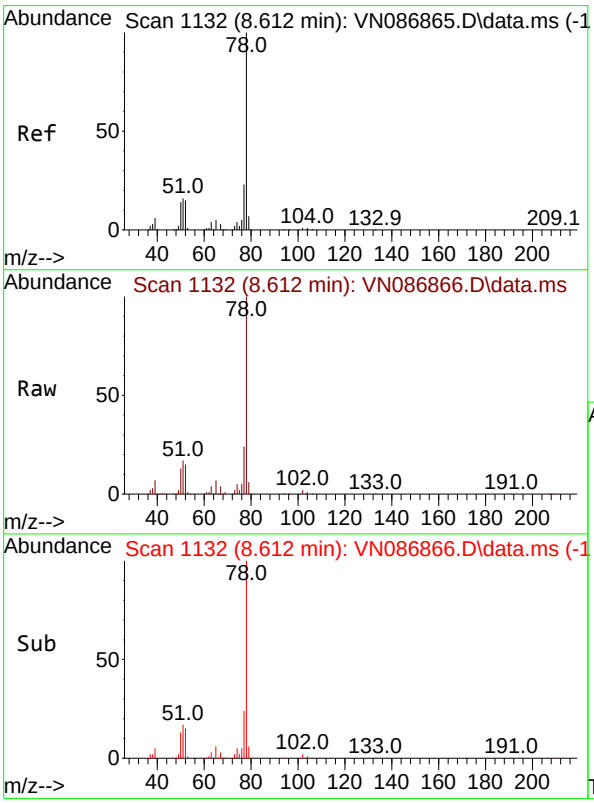
#39
Methylcyclohexane
Concen: 99.758 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 395603

Ion	Ratio	Lower	Upper
83	100		
55	76.8	61.0	91.6
98	47.6	38.9	58.3

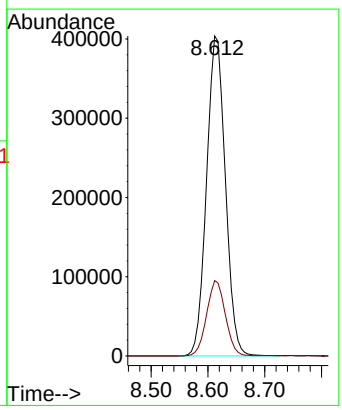


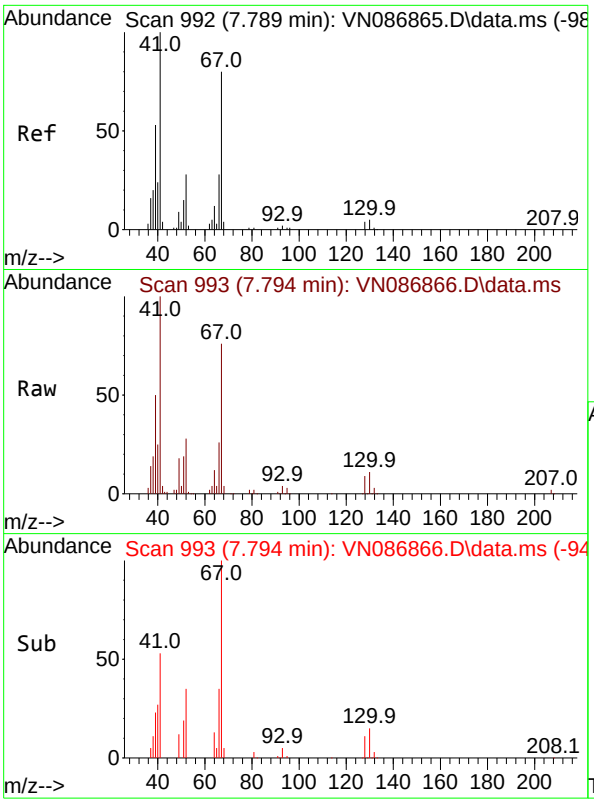


#40
Benzene
Concen: 97.946 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 78 Resp: 927083

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.7	28.1



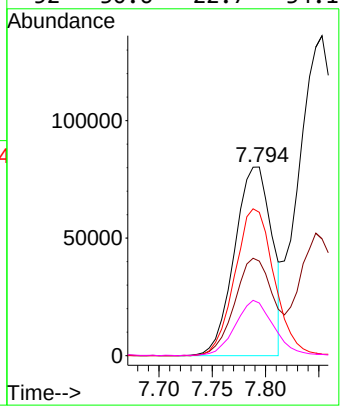


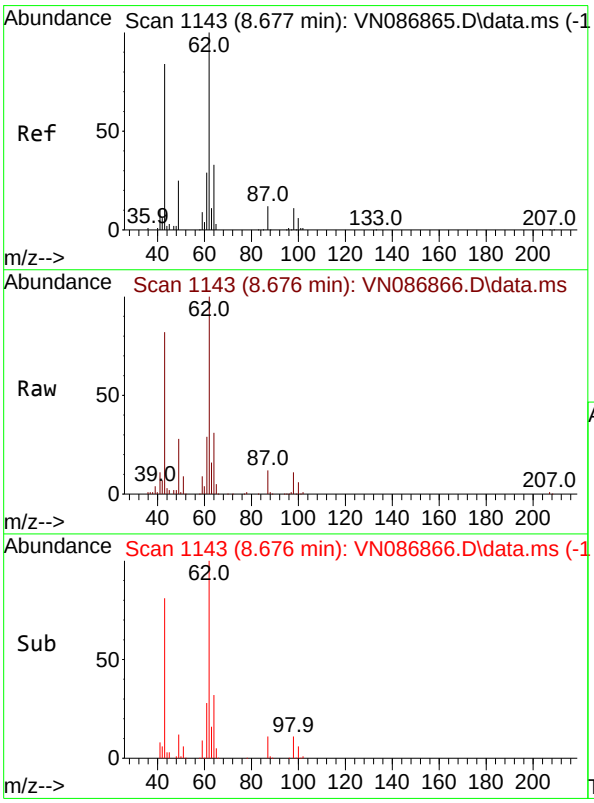
#41
Methacrylonitrile
Concen: 94.688 ug/l
RT: 7.794 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 195946

Ion	Ratio	Lower	Upper
41	100		
39	54.3	41.2	61.8
67	82.5	61.4	92.2
52	30.6	22.7	34.1

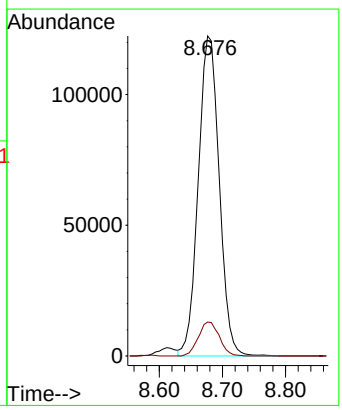


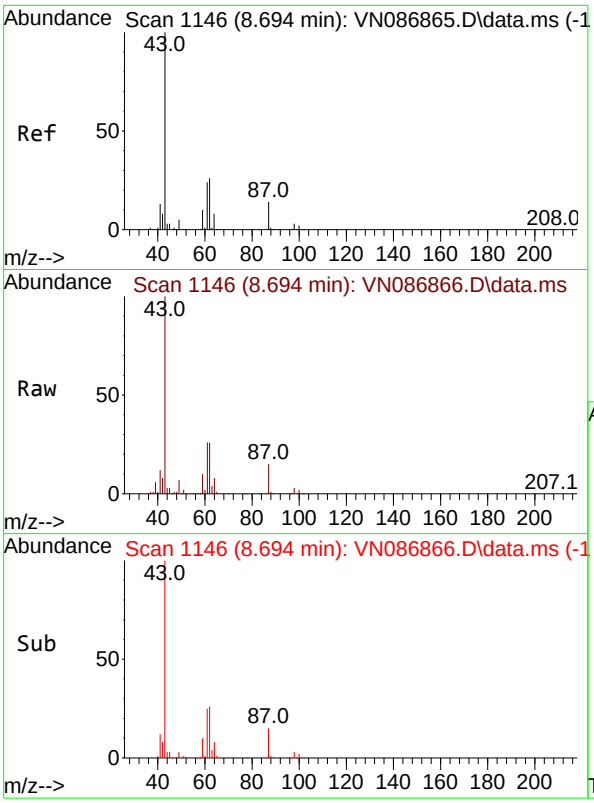


#42
1,2-Dichloroethane
Concen: 98.232 ug/l
RT: 8.676 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 62 Resp: 282015

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.2



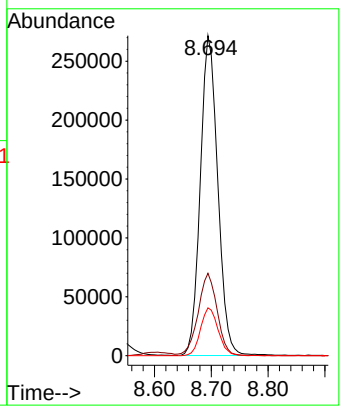


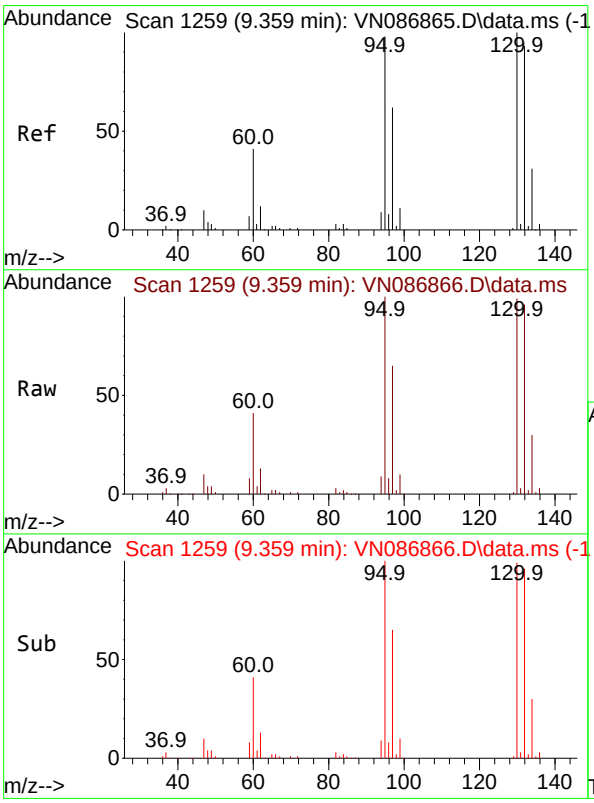
#43
Isopropyl Acetate
Concen: 97.981 ug/l
RT: 8.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 579464

Ion	Ratio	Lower	Upper
43	100		
61	28.1	22.1	33.1
87	15.0	11.8	17.6

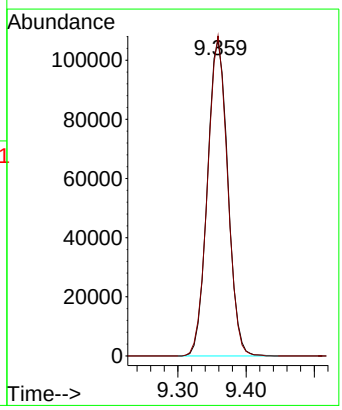


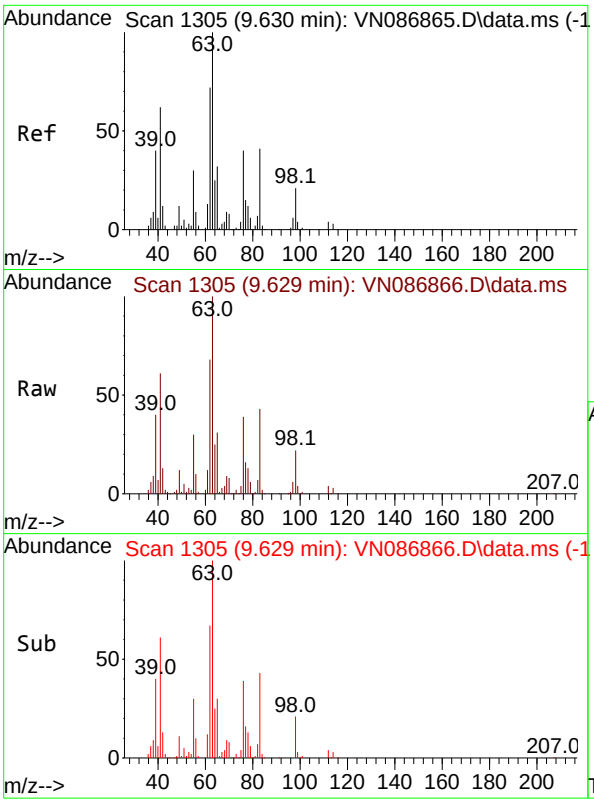


#44
Trichloroethene
Concen: 99.280 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:130 Resp: 222822

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	196.2



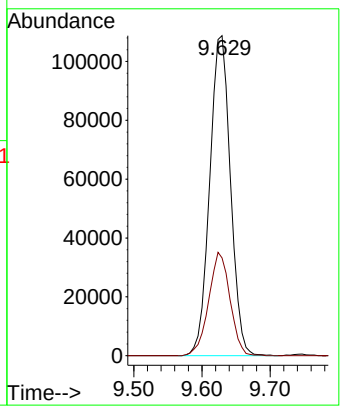


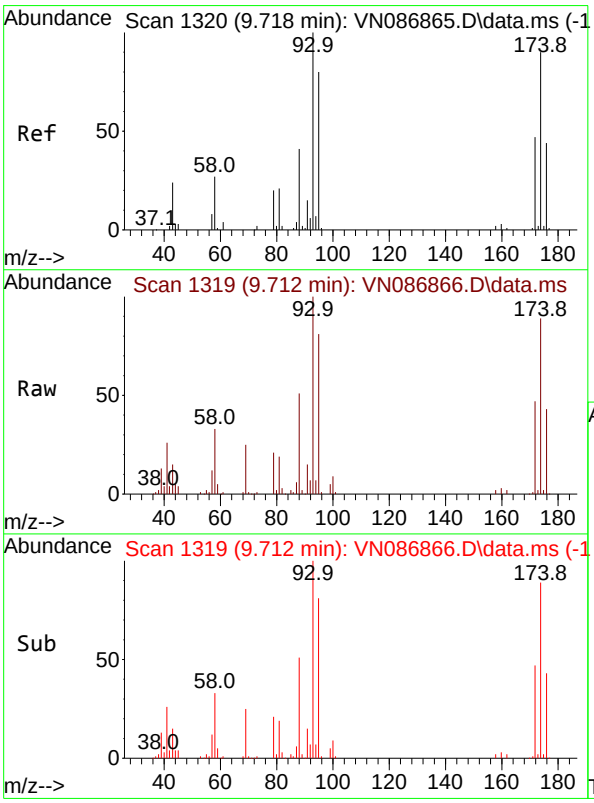
#45
1,2-Dichloropropane
Concen: 100.077 ug/l
RT: 9.629 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 230454

Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.5	38.3

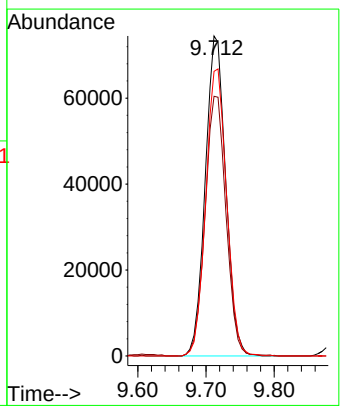


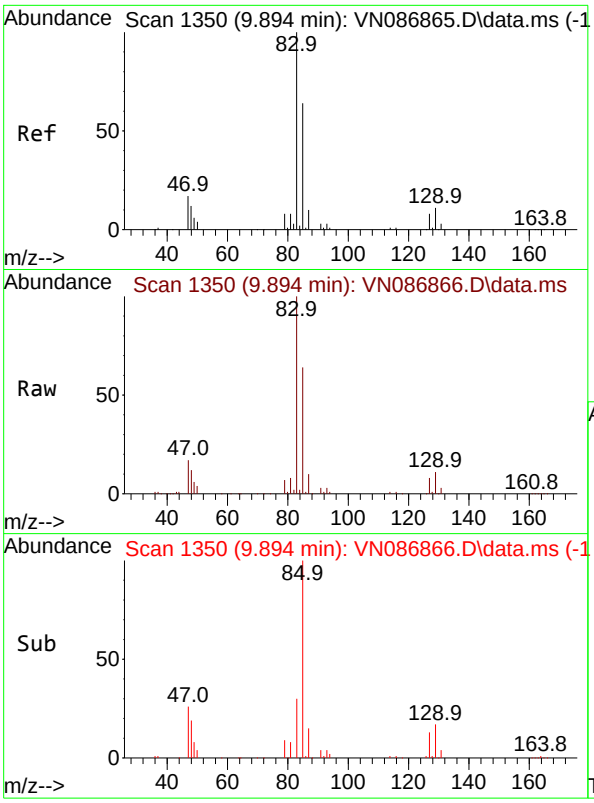


#46
Dibromomethane
Concen: 101.685 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 93 Resp: 155530

Ion	Ratio	Lower	Upper
93	100		
95	82.9	67.1	100.7
174	91.6	74.2	111.4



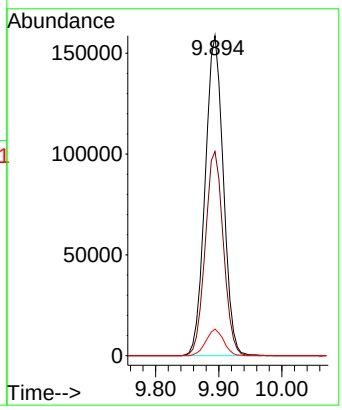


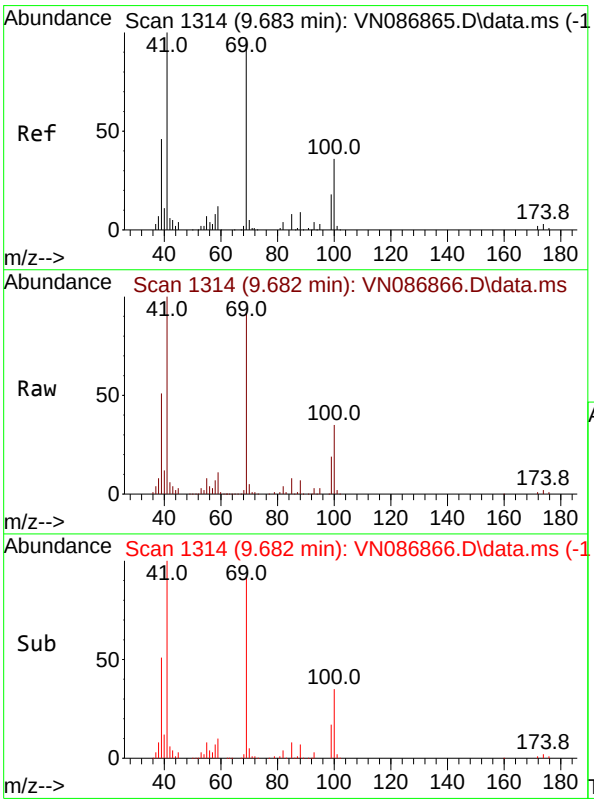
#47
Bromodichloromethane
Concen: 100.533 ug/l
RT: 9.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 316375

Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.9	76.3
127	8.3	6.6	10.0

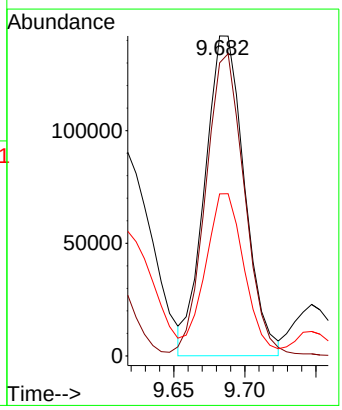


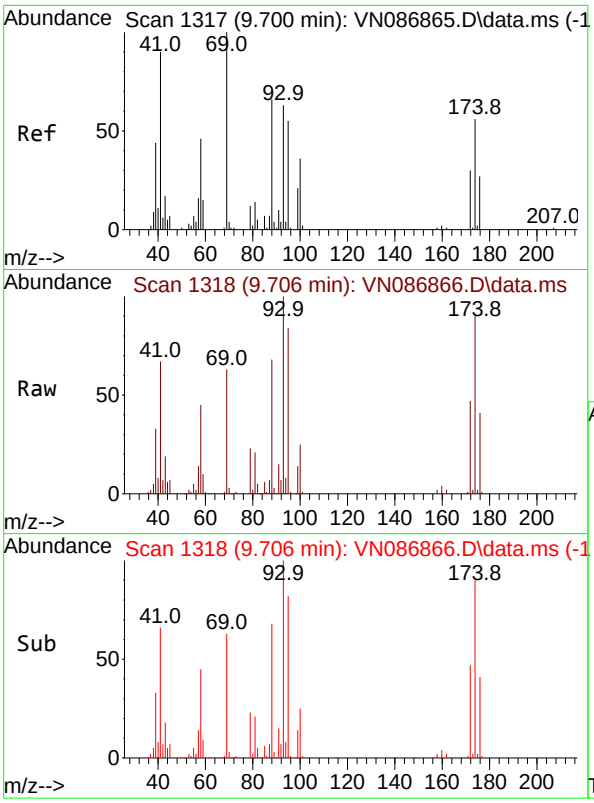


#48
Methyl methacrylate
Concen: 101.288 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 41 Resp: 275710

Ion	Ratio	Lower	Upper
41	100		
69	92.4	74.6	112.0
39	50.1	40.2	60.4



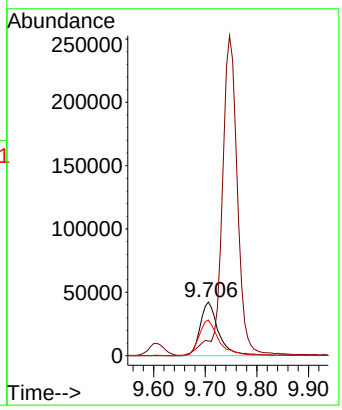


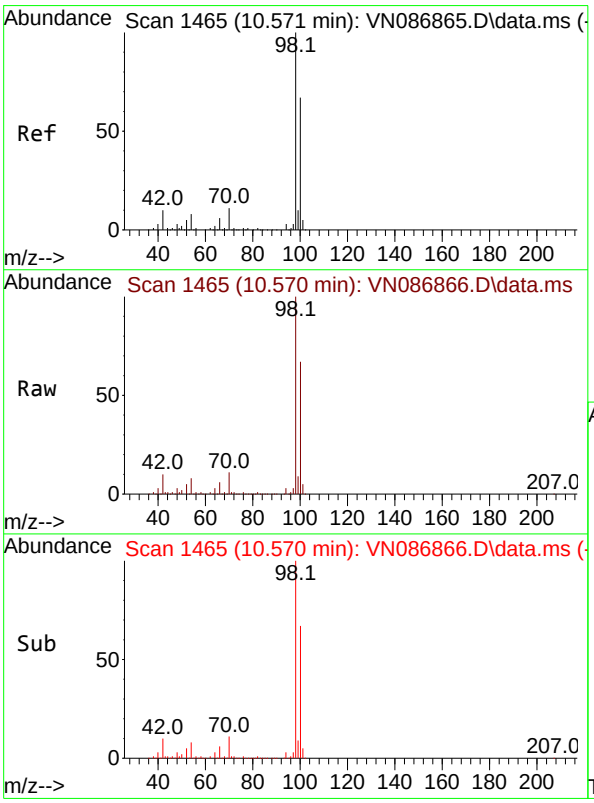
#49
1,4-Dioxane
Concen: 2115.744 ug/l
RT: 9.706 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 104771

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	71.5	57.7	86.5

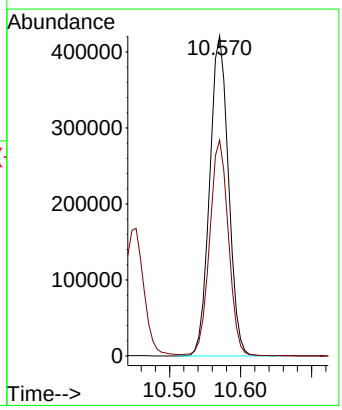


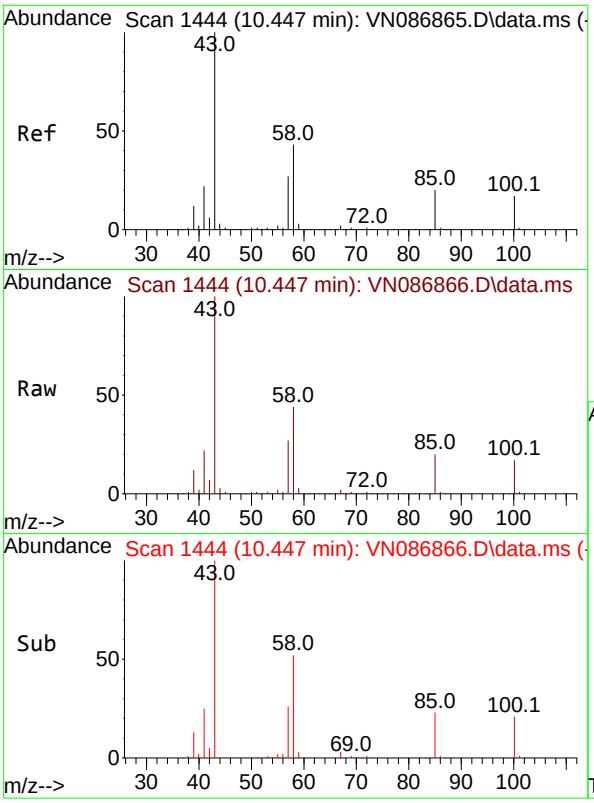


#50
Toluene-d8
Concen: 100.419 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 98 Resp: 772210

Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.4	80.0



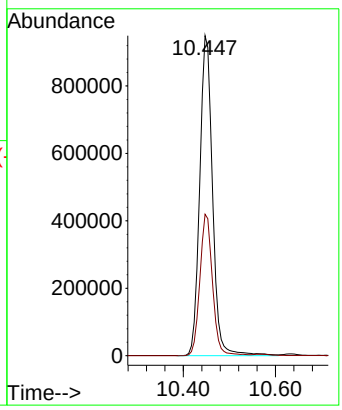


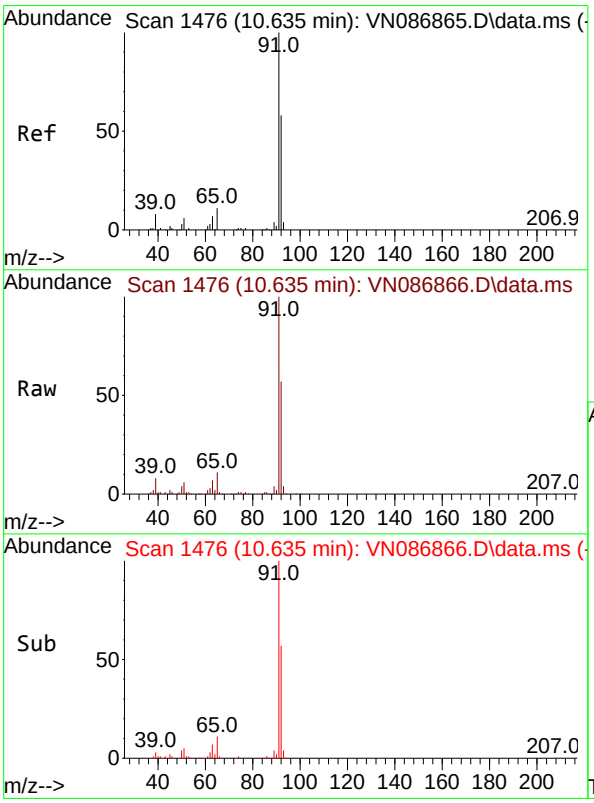
#51
4-Methyl-2-Pentanone
Concen: 517.729 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1843274

Ion	Ratio	Lower	Upper
43	100		
58	43.6	34.2	51.4

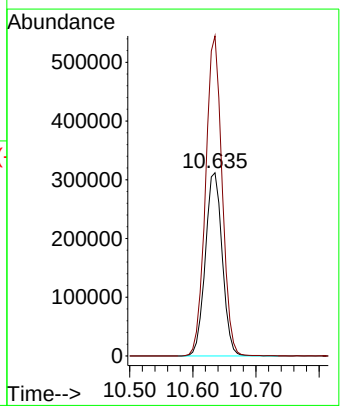


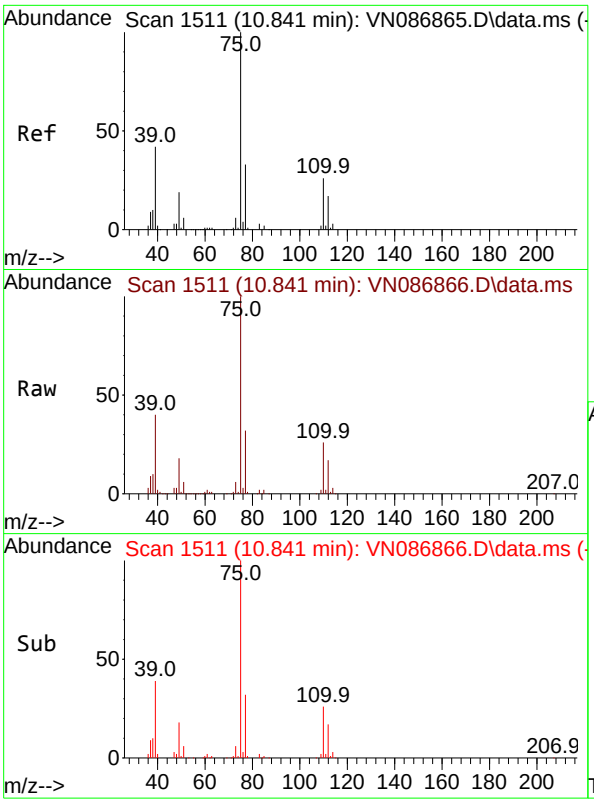


#52
Toluene
Concen: 100.092 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 92 Resp: 578978

Ion	Ratio	Lower	Upper
92	100		
91	170.6	136.5	204.7



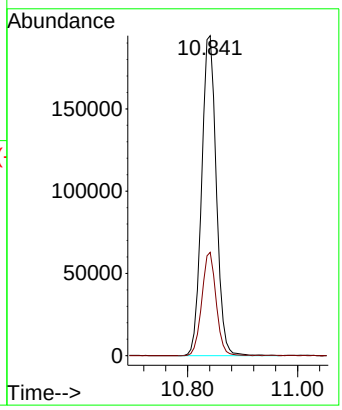


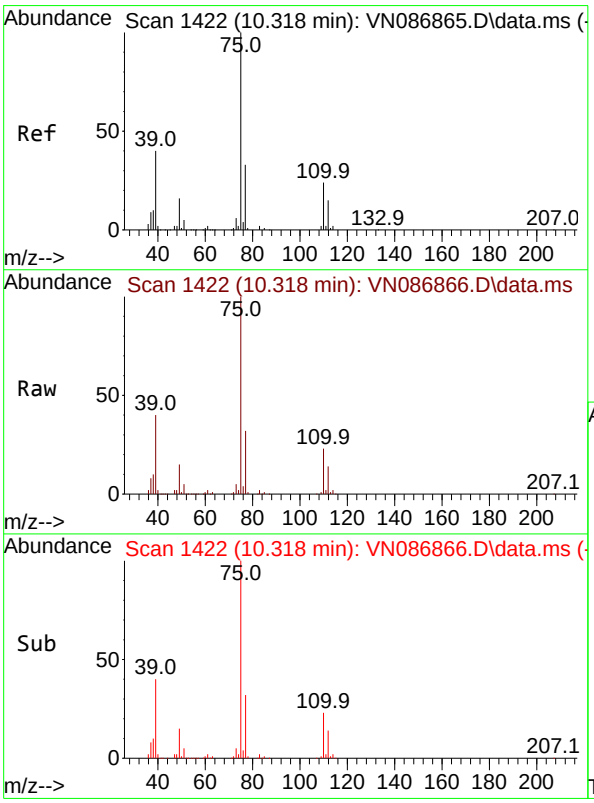
#53
t-1,3-Dichloropropene
Concen: 102.077 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 359200

Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.4	39.6

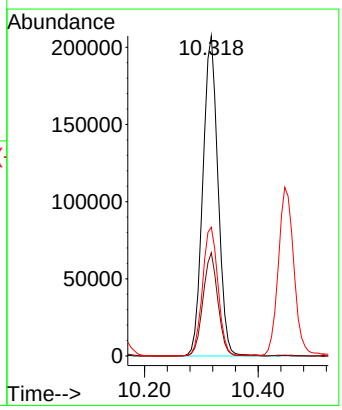


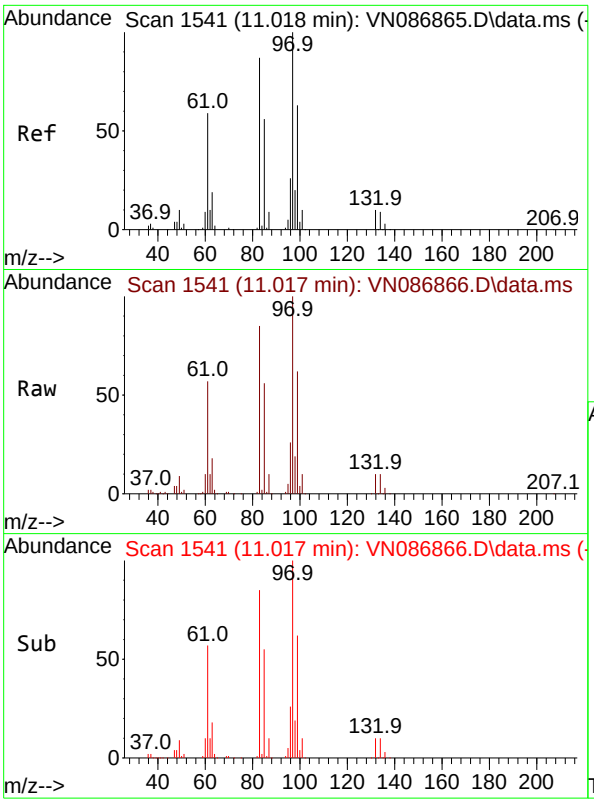


#54
cis-1,3-Dichloropropene
Concen: 101.730 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 75 Resp: 383030

Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.2	39.4
39	40.1	32.3	48.5



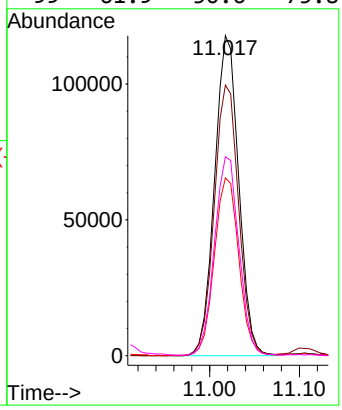


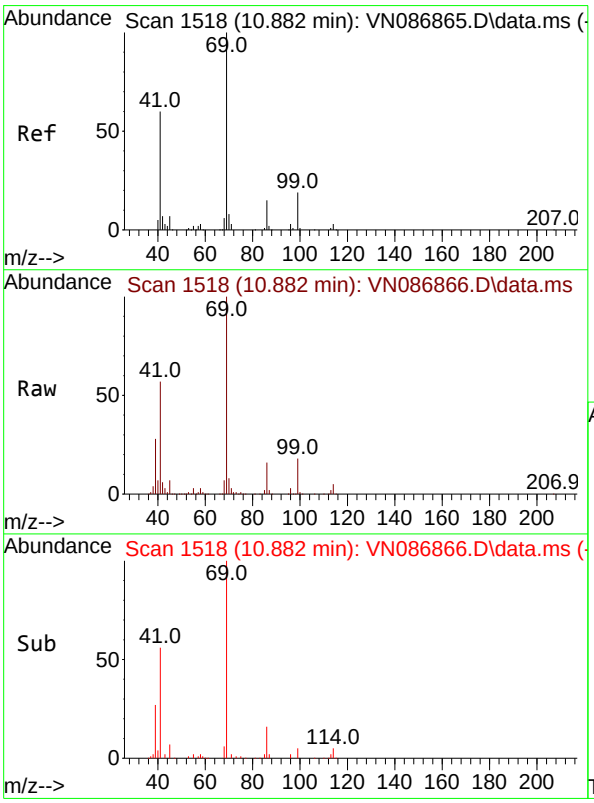
#55
1,1,2-Trichloroethane
Concen: 98.808 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 219922

Ion	Ratio	Lower	Upper
97	100		
83	84.5	69.7	104.5
85	55.6	45.1	67.7
99	61.9	50.6	75.8

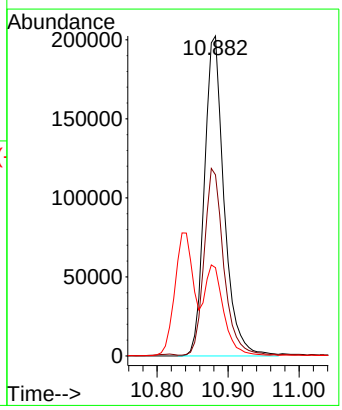


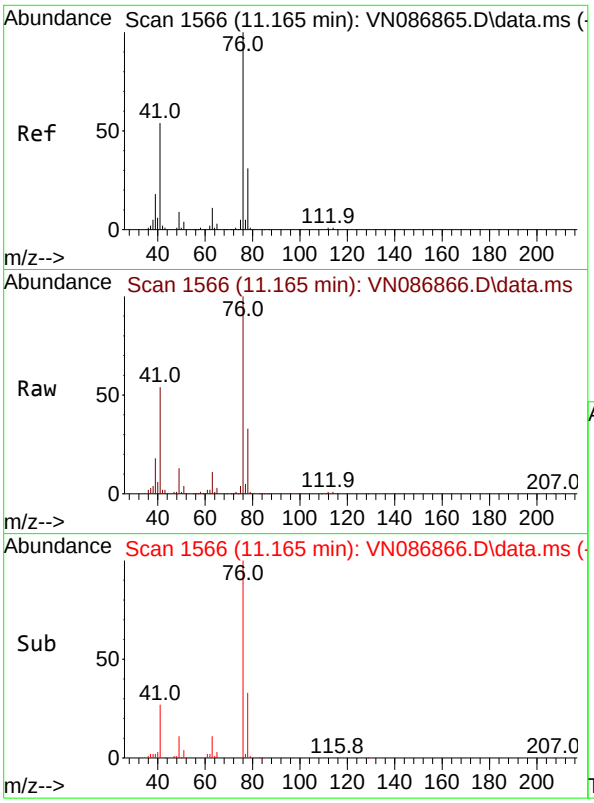


#56
Ethyl methacrylate
Concen: 109.955 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 69 Resp: 389802

Ion	Ratio	Lower	Upper
69	100		
41	58.3	47.2	70.8
39	27.5	23.0	34.6



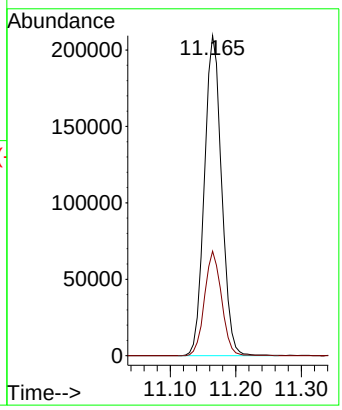


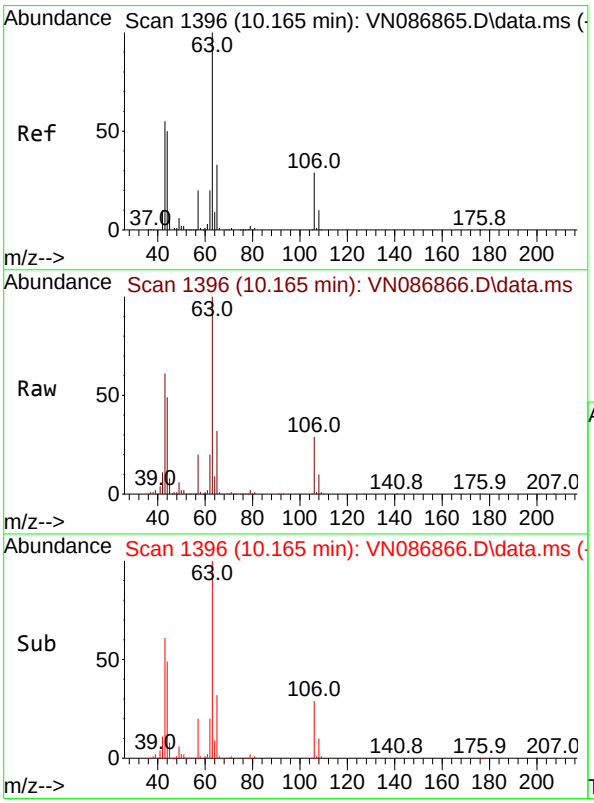
#57
1,3-Dichloropropane
Concen: 99.069 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 382510

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.3	37.9

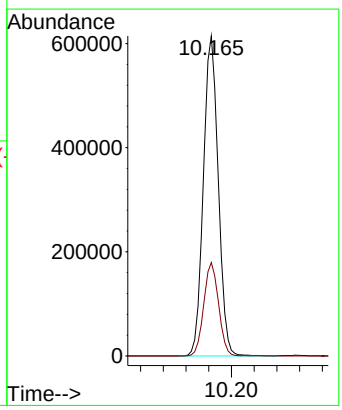


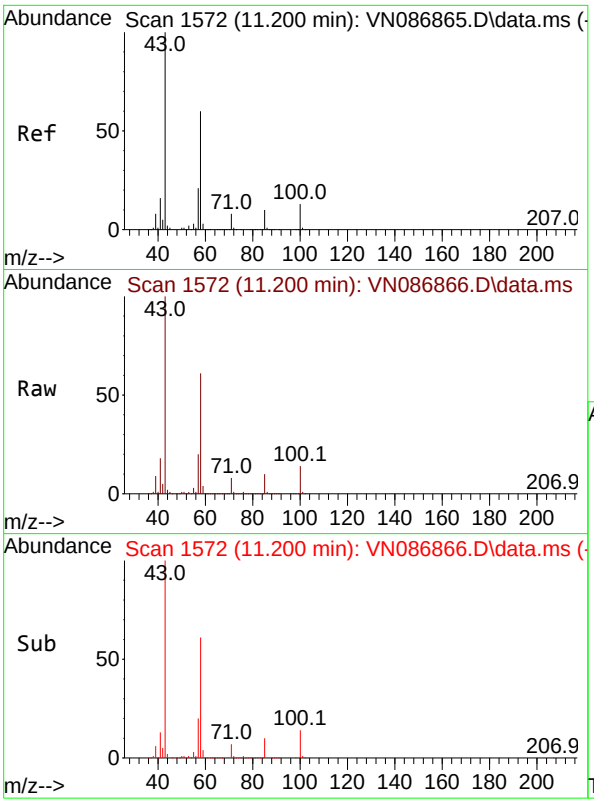


#58
2-Chloroethyl Vinyl ether
Concen: 526.621 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 63 Resp: 1113523

Ion	Ratio	Lower	Upper
63	100		
106	29.1	23.0	34.6



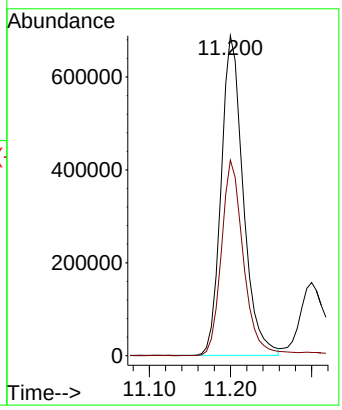


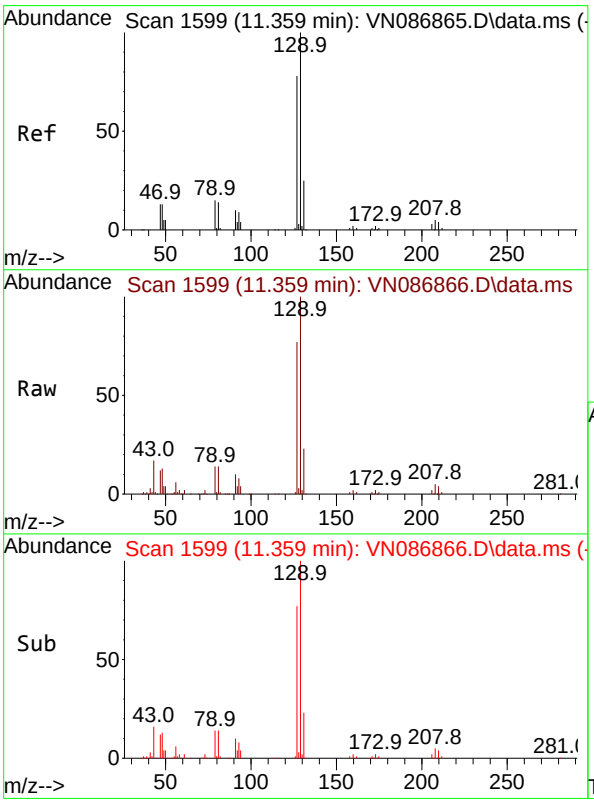
#59
2-Hexanone
Concen: 567.535 ug/l
RT: 11.200 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1301539

Ion	Ratio	Lower	Upper
43	100		
58	61.4	30.4	91.3

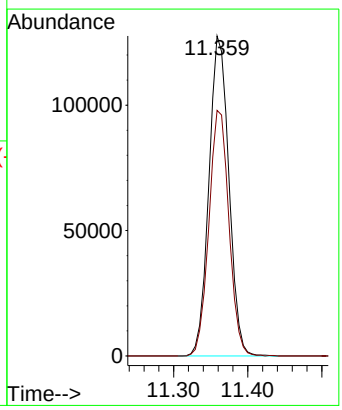


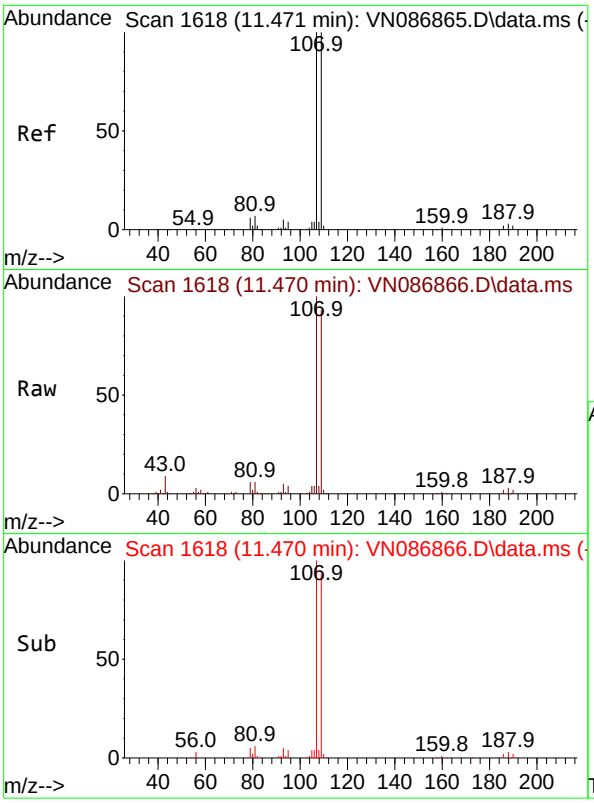


#60
Dibromochloromethane
Concen: 102.616 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:129 Resp: 237965

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.8



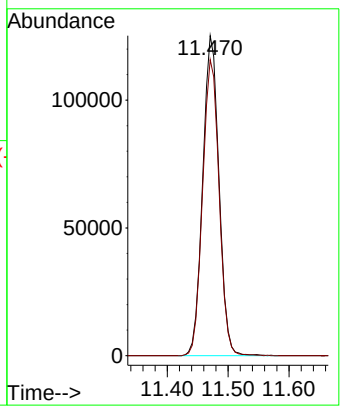


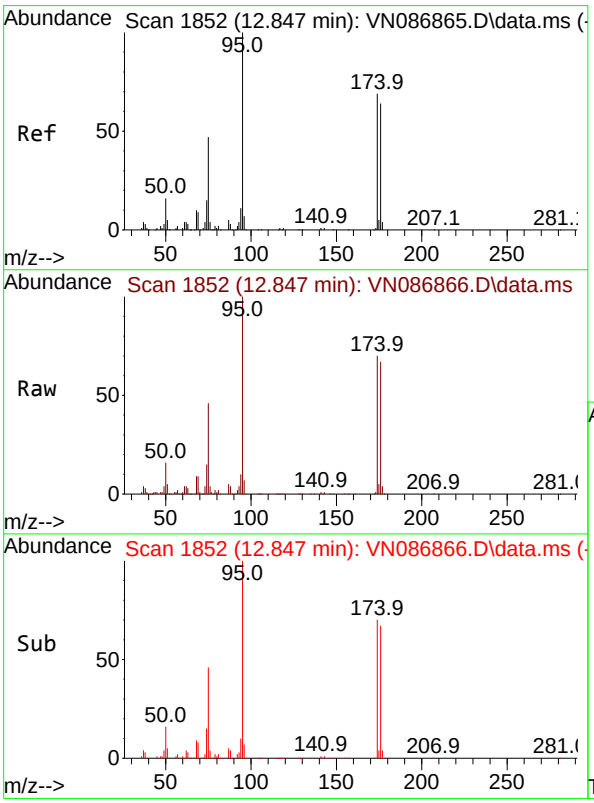
#61
1,2-Dibromoethane
Concen: 101.787 ug/l
RT: 11.470 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 232214

Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.3	114.5

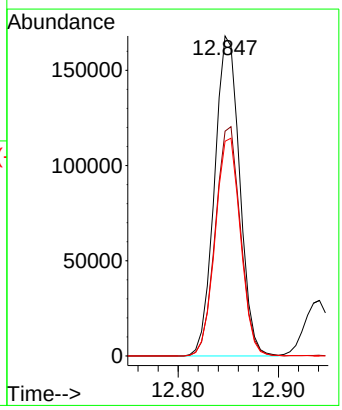


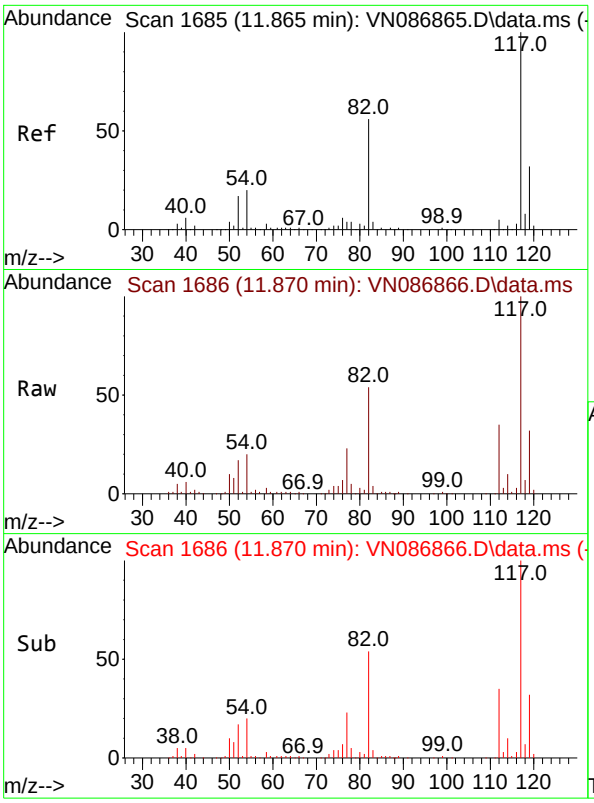


#62
4-Bromofluorobenzene
Concen: 102.339 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 95 Resp: 292385

Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	141.8
176	68.6	0.0	132.6



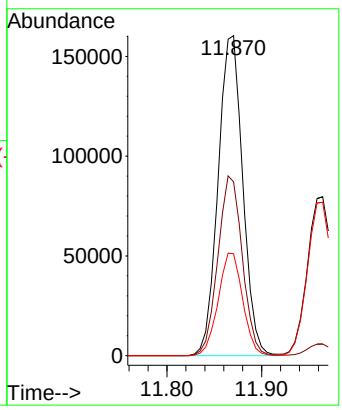


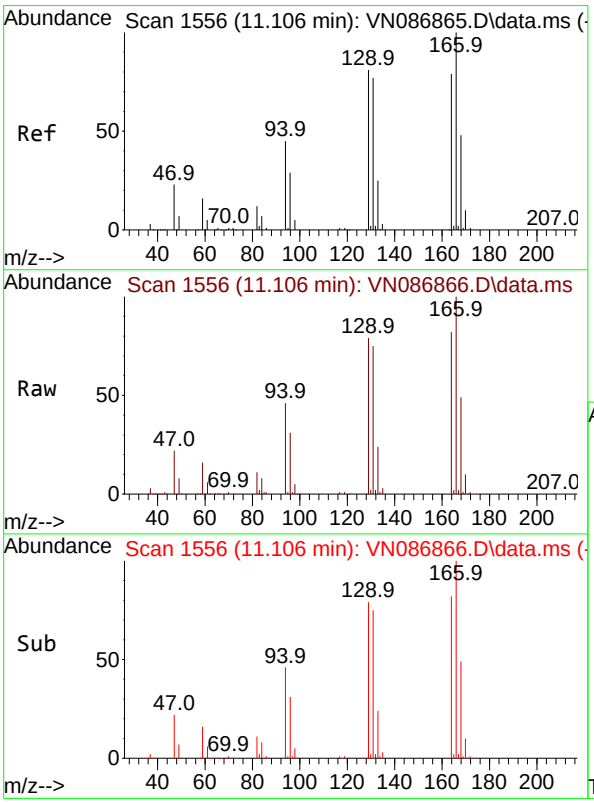
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 290313

Ion	Ratio	Lower	Upper
117	100		
82	54.3	44.6	67.0
119	31.9	25.5	38.3

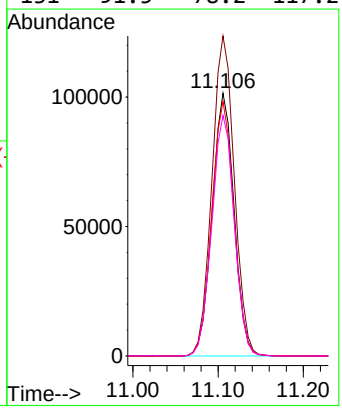


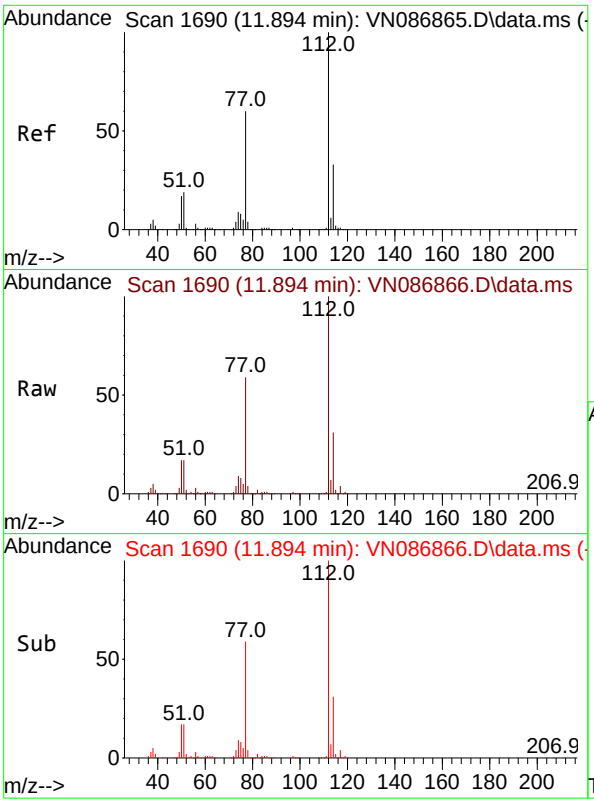


#64
Tetrachloroethene
Concen: 98.824 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:164 Resp: 181568

Ion	Ratio	Lower	Upper
164	100		
166	121.8	101.8	152.8
129	96.8	83.0	124.4
131	91.5	78.2	117.2



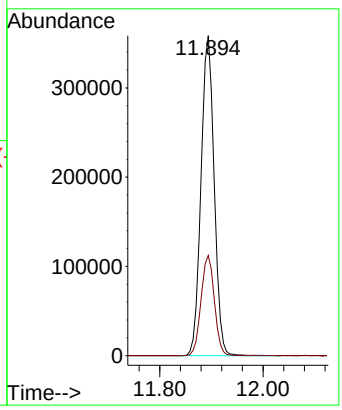


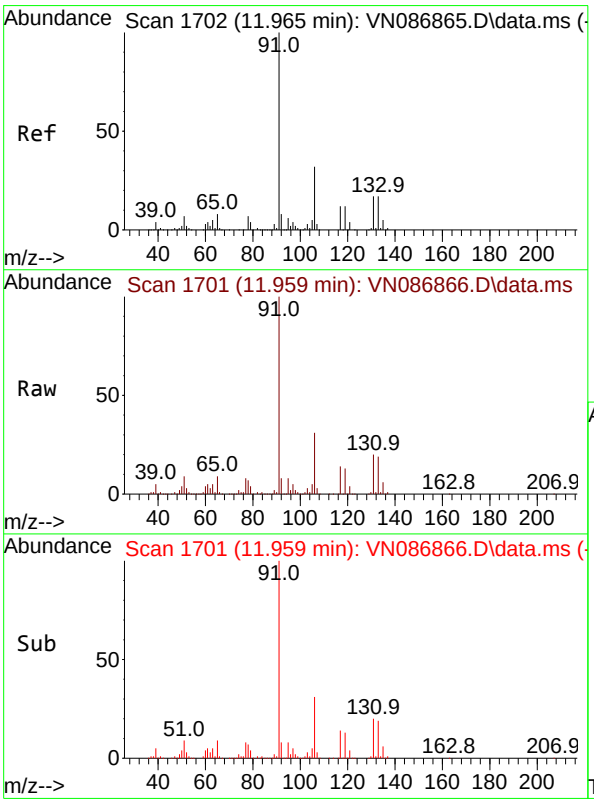
#65
Chlorobenzene
Concen: 98.793 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 632563

Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.2	39.2

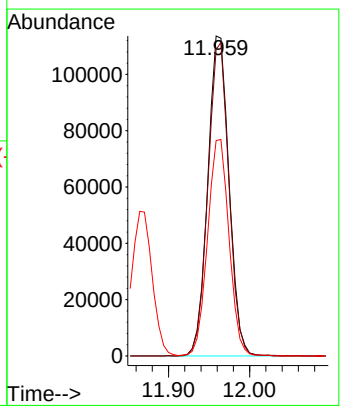


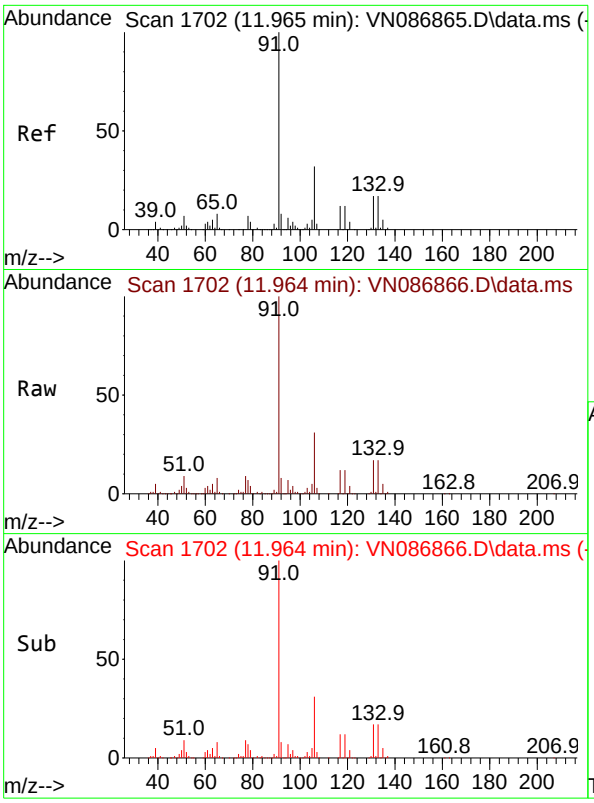


#66
1,1,1,2-Tetrachloroethane
Concen: 100.521 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:131 Resp: 206895

Ion	Ratio	Lower	Upper
131	100		
133	96.4	48.3	144.8
119	68.2	34.0	101.8



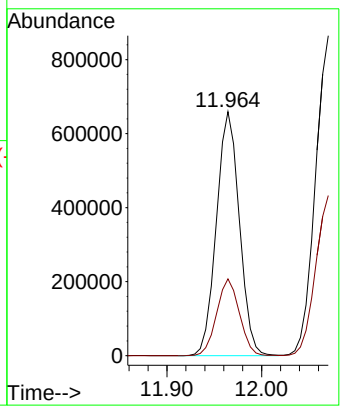


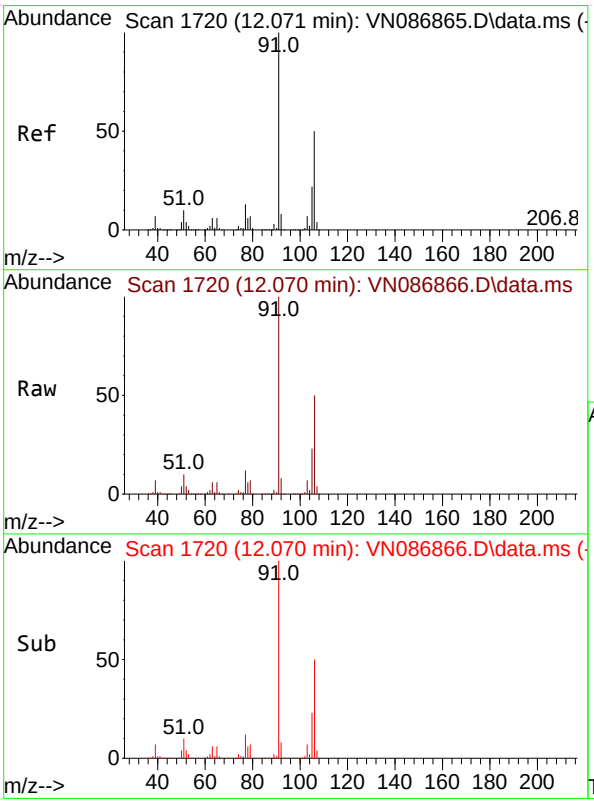
#67
Ethyl Benzene
Concen: 100.717 ug/l
RT: 11.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1110803

Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.4	38.2

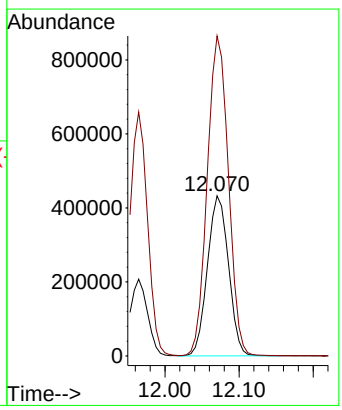


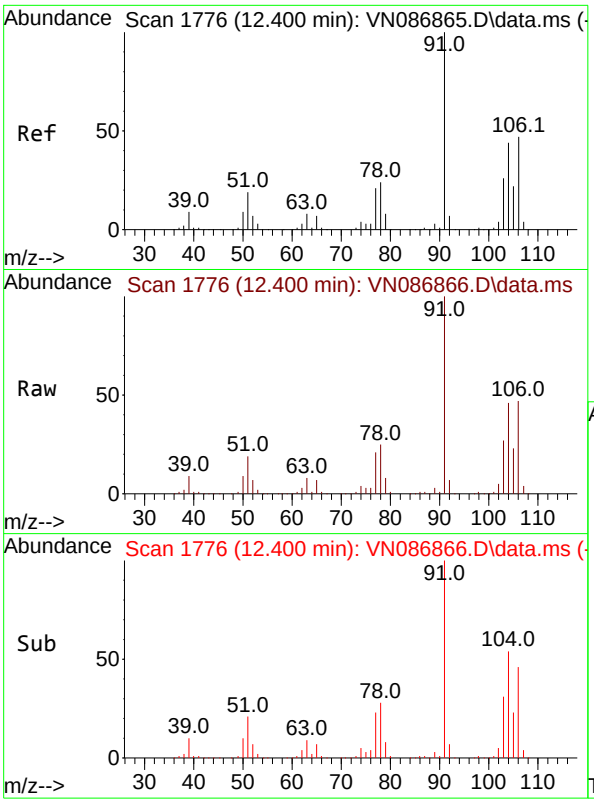


#68
m/p-Xylenes
Concen: 202.411 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:106 Resp: 854557

Ion	Ratio	Lower	Upper
106	100		
91	200.4	159.4	239.0



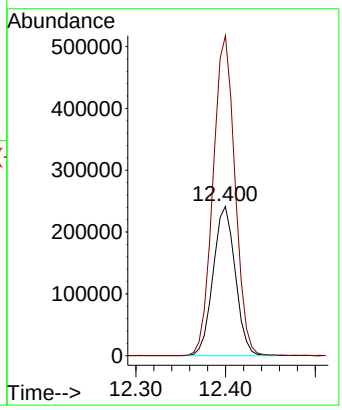


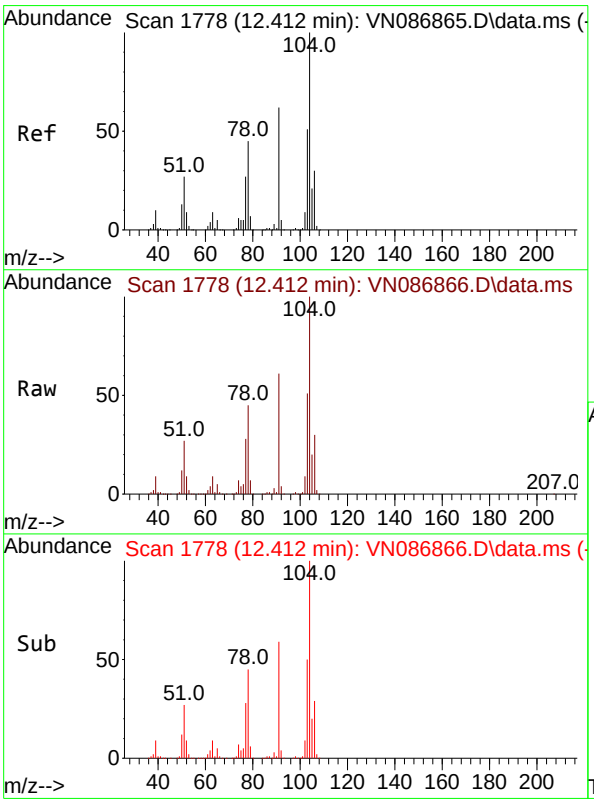
#69
o-Xylene
Concen: 102.070 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 412719

Ion	Ratio	Lower	Upper
106	100		
91	212.8	106.1	318.1

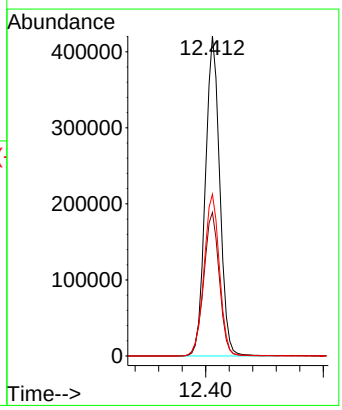


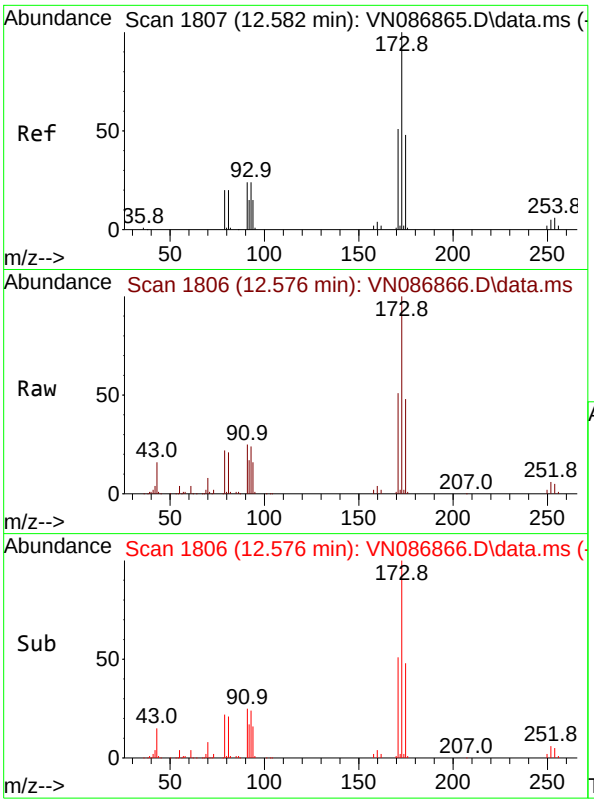


#70
Styrene
Concen: 103.127 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:104 Resp: 713548

Ion	Ratio	Lower	Upper
104	100		
78	48.4	38.5	57.7
103	54.0	43.1	64.7



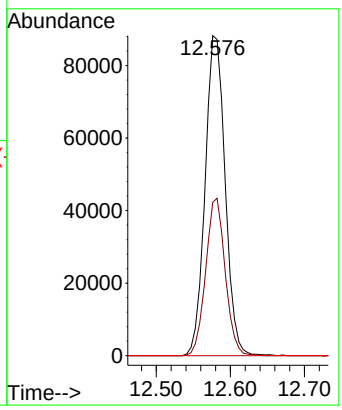


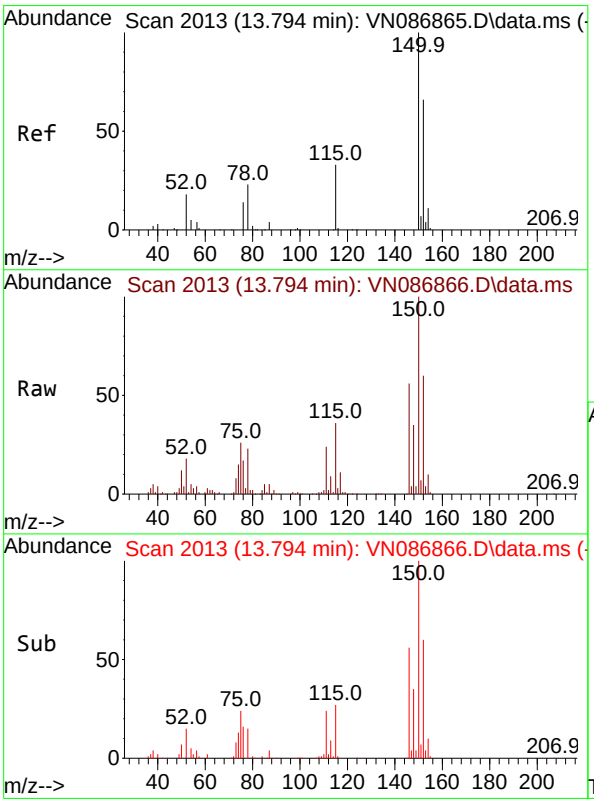
#71
Bromoform
Concen: 108.707 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 165781

Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.1	72.4
254	0.0	0.0	0.0

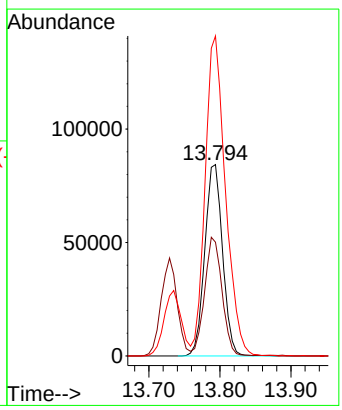


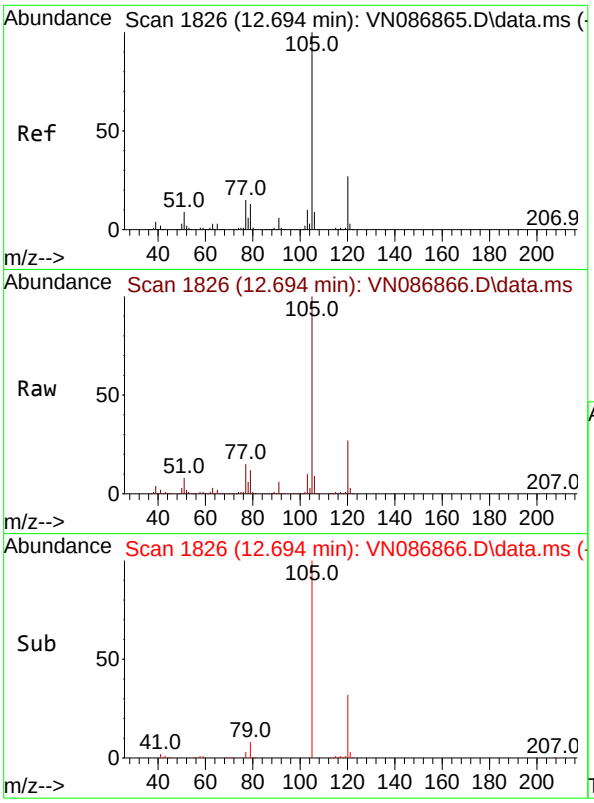


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:152 Resp: 147098

Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.1	90.5
150	190.4	0.0	345.0



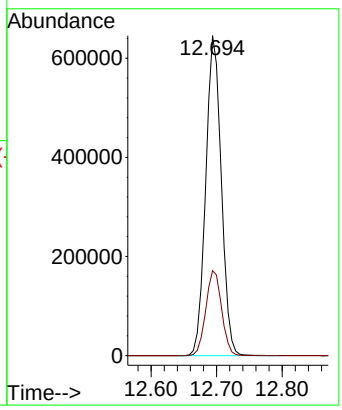


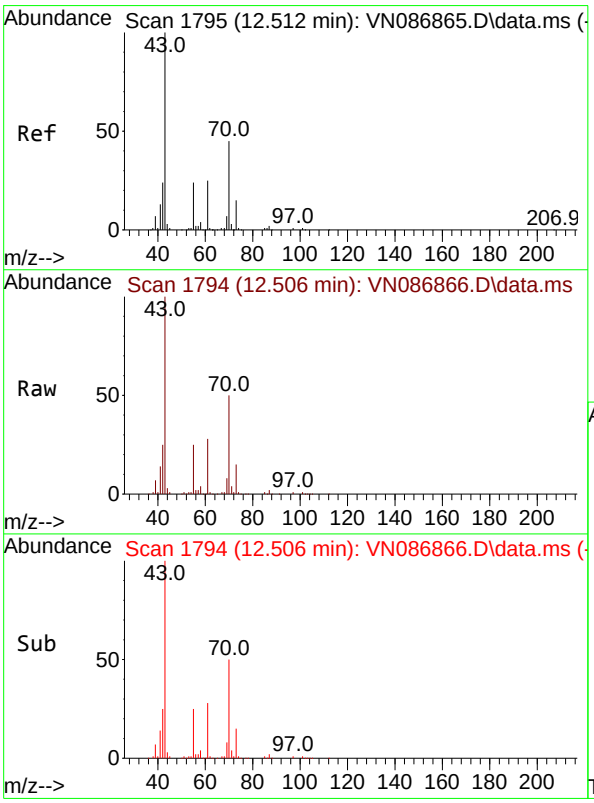
#73
Isopropylbenzene
Concen: 99.410 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1065297

Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.5	40.4

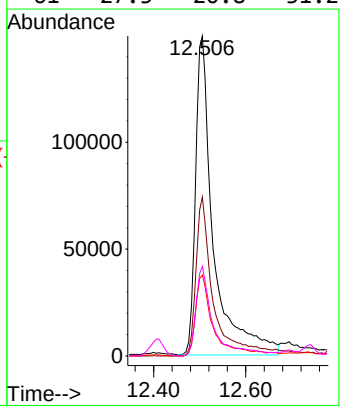


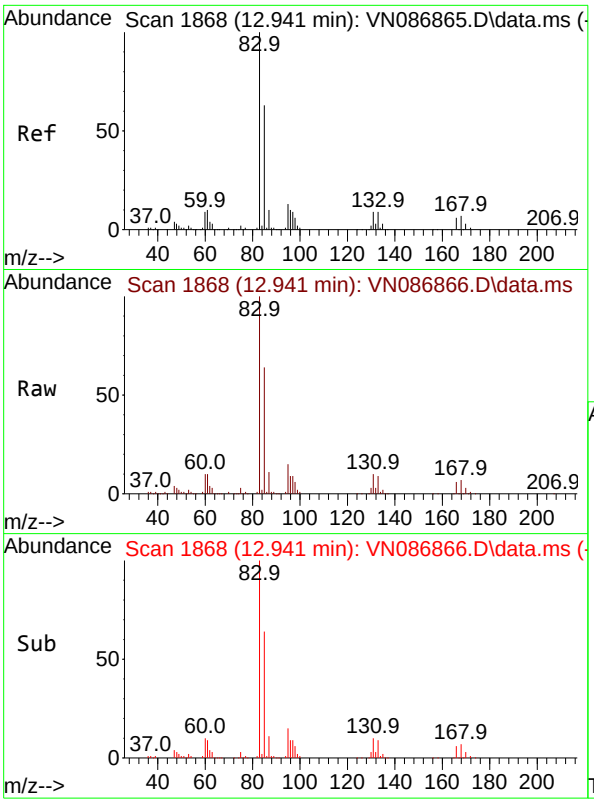


#74
N-amyl acetate
Concen: 113.475 ug/l
RT: 12.506 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 43 Resp: 403587

Ion	Ratio	Lower	Upper
43	100		
70	47.7	37.6	56.4
55	25.0	19.0	28.6
61	27.3	20.8	31.2



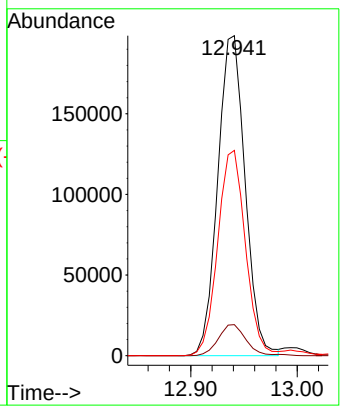


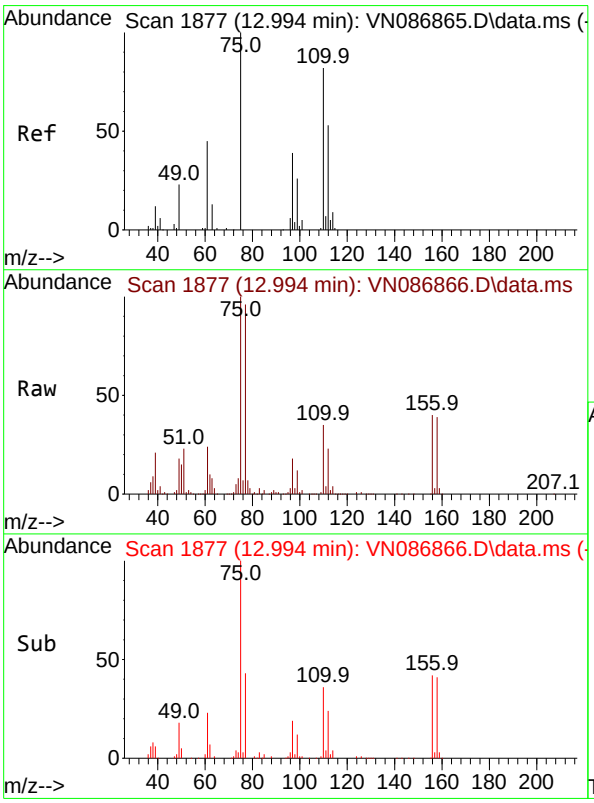
#75
1,1,2,2-Tetrachloroethane
Concen: 97.616 ug/l
RT: 12.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 354386

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.7
85	64.9	32.0	96.0

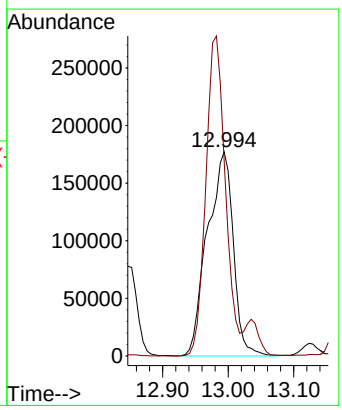


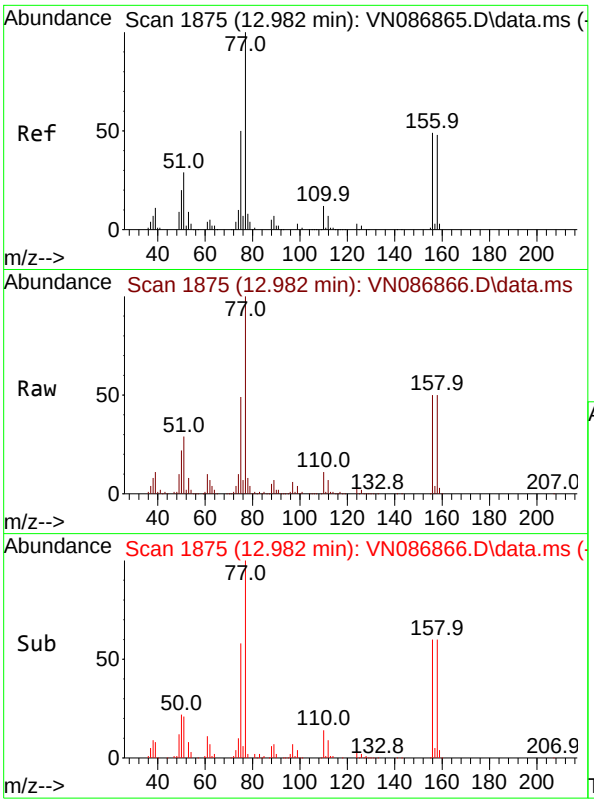


#76
1,2,3-Trichloropropane
Concen: 138.300 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 75 Resp: 485083

Ion	Ratio	Lower	Upper
75	100		
77	118.2	79.3	237.9



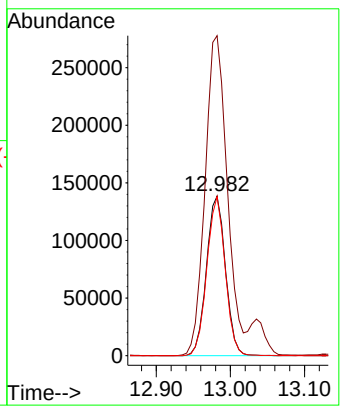


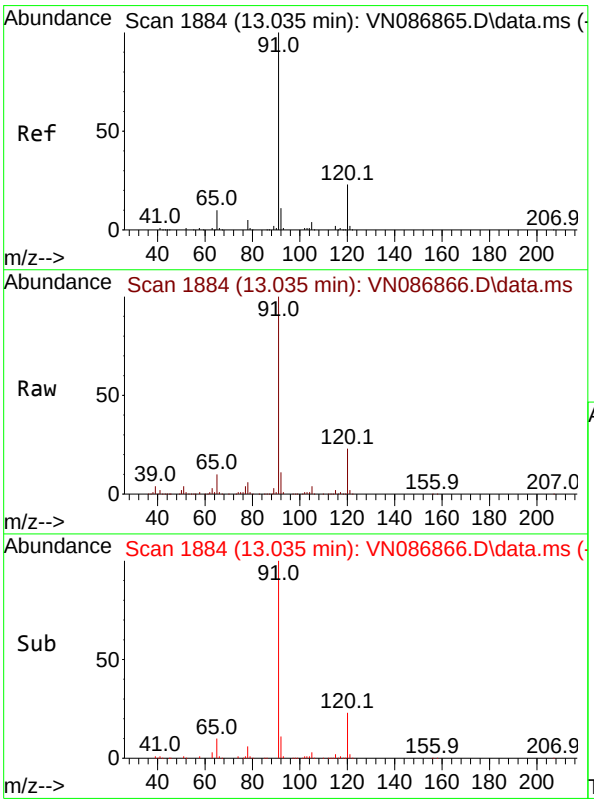
#77
Bromobenzene
Concen: 100.266 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 246413

Ion	Ratio	Lower	Upper
156	100		
77	232.6	117.7	353.1
158	96.4	48.1	144.4

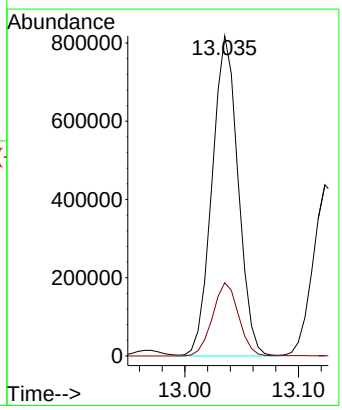


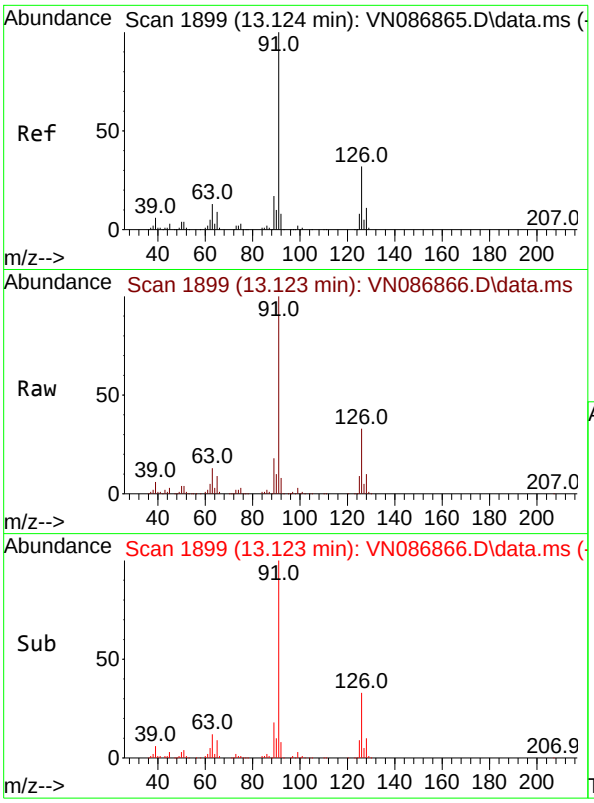


#78
n-propylbenzene
Concen: 99.948 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 91 Resp: 1301631

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.4	34.2



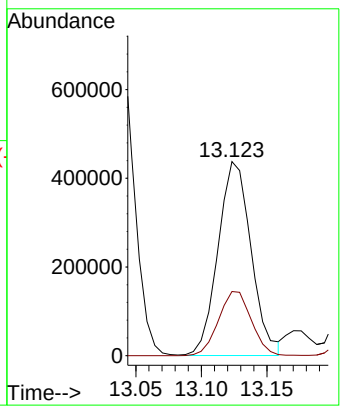


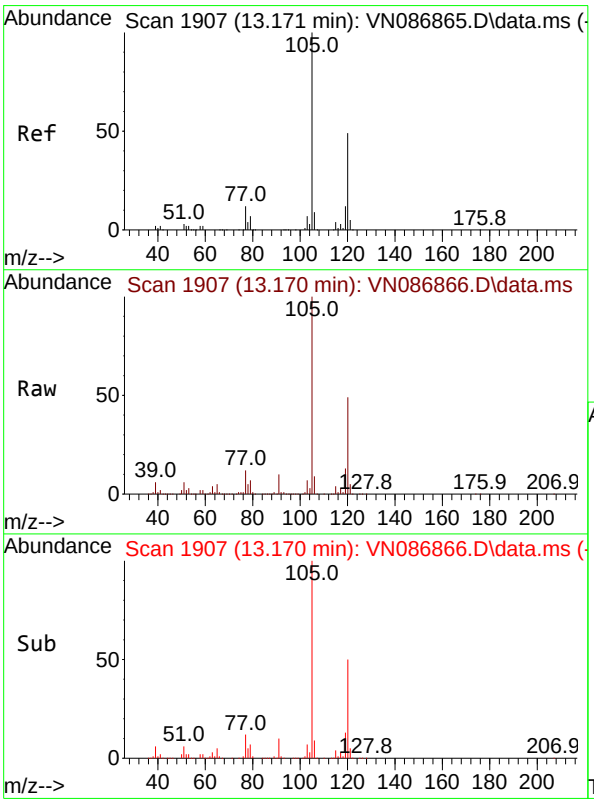
#79
2-Chlorotoluene
Concen: 98.630 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 770308

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.5

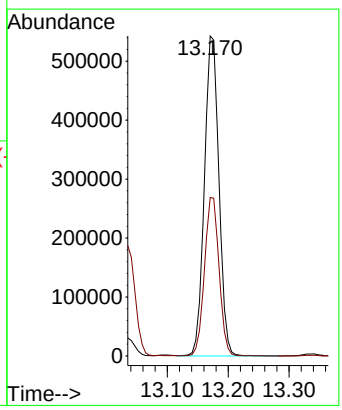


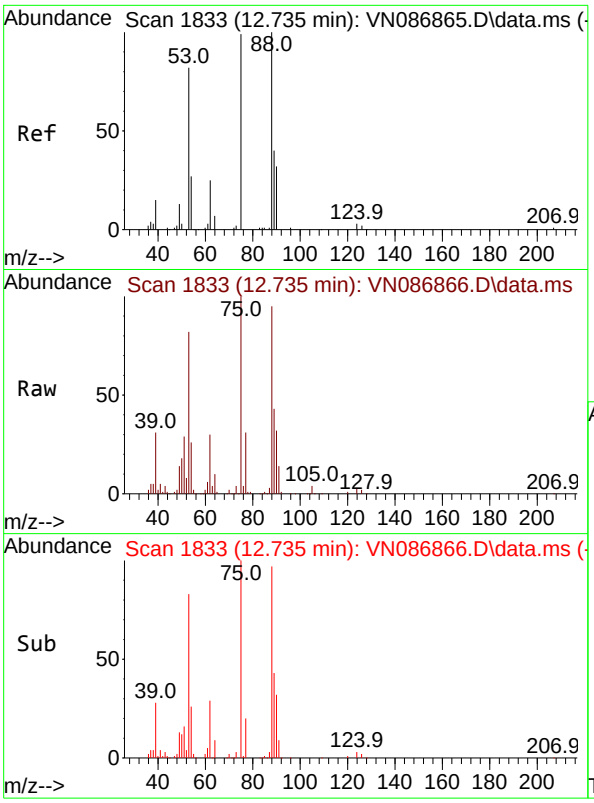


#80
1,3,5-Trimethylbenzene
Concen: 101.873 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:105 Resp: 901317

Ion	Ratio	Lower	Upper
105	100		
120	49.7	24.9	74.6



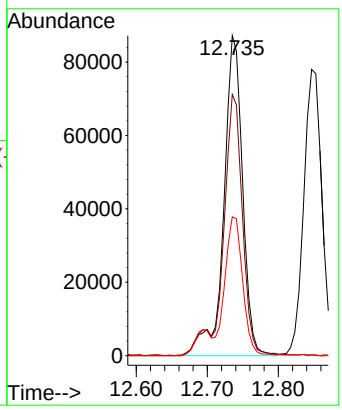


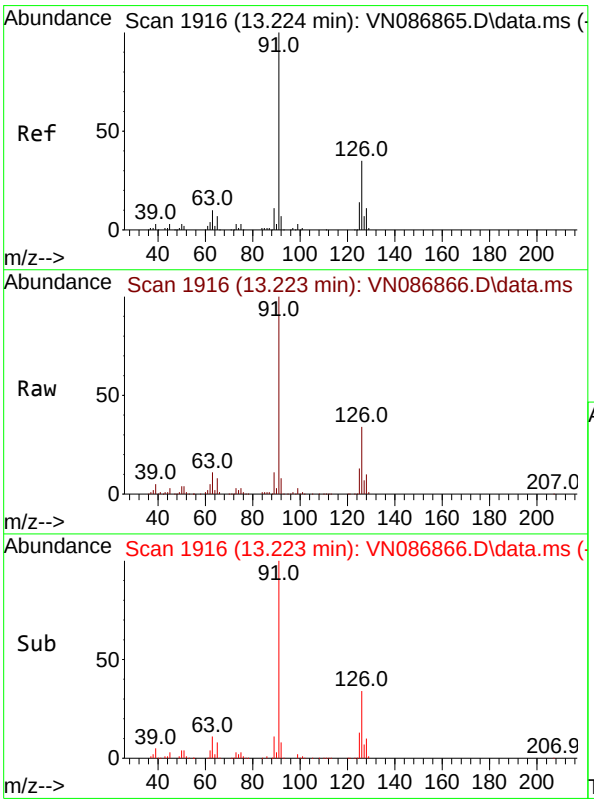
#81
trans-1,4-Dichloro-2-butene
Concen: 105.820 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 160736

Ion	Ratio	Lower	Upper
75	100		
53	76.0	66.6	99.8
89	41.1	36.7	55.1

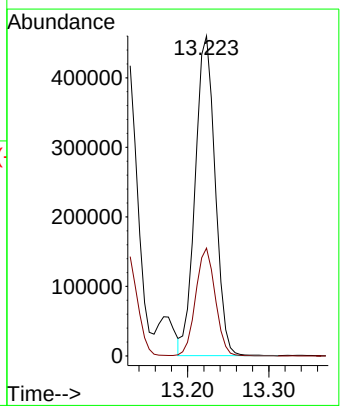


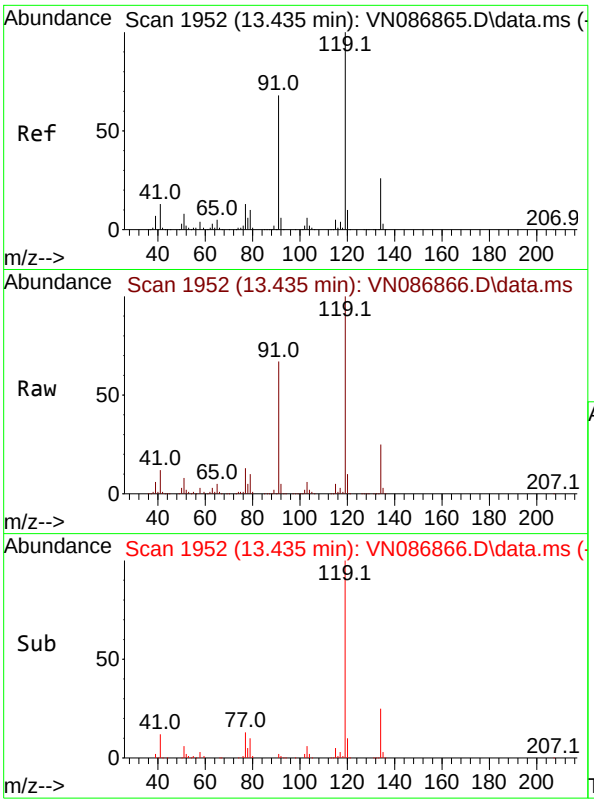


#82
4-Chlorotoluene
Concen: 99.166 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 91 Resp: 783657

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.7	50.1



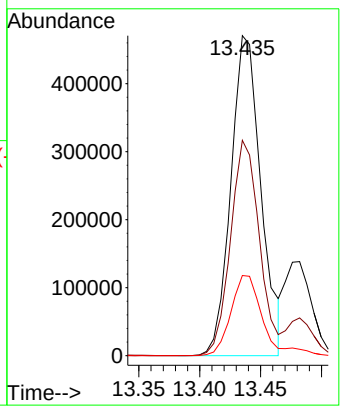


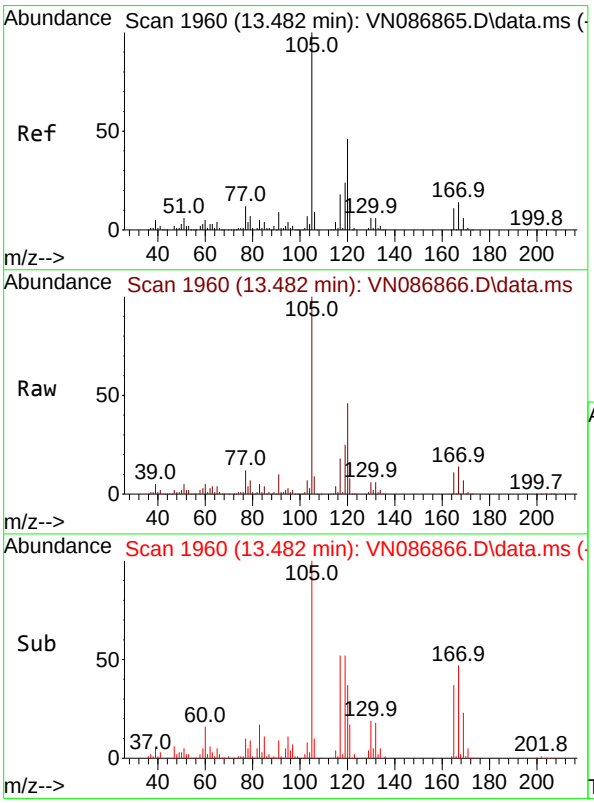
#83
tert-Butylbenzene
Concen: 99.710 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 807528

Ion	Ratio	Lower	Upper
119	100		
91	64.6	32.1	96.5
134	26.6	13.4	40.1

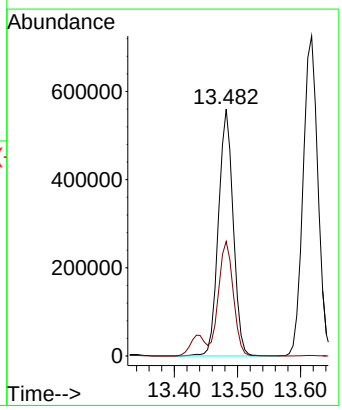


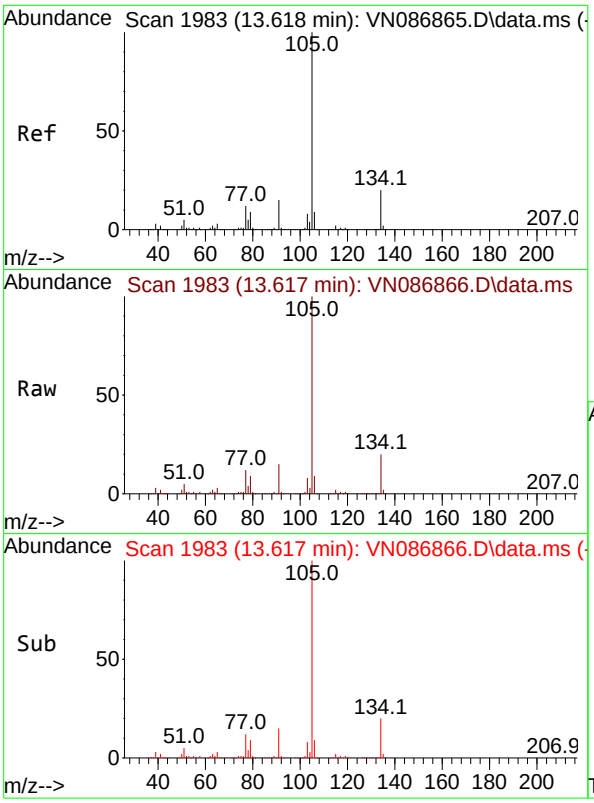


#84
1,2,4-Trimethylbenzene
Concen: 101.983 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:105 Resp: 904794

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.2	69.6



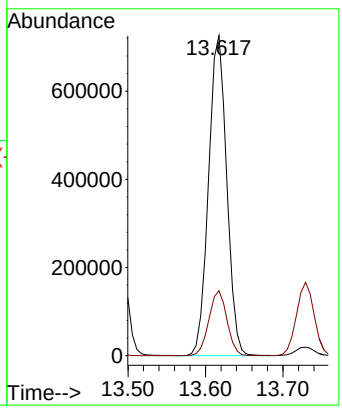


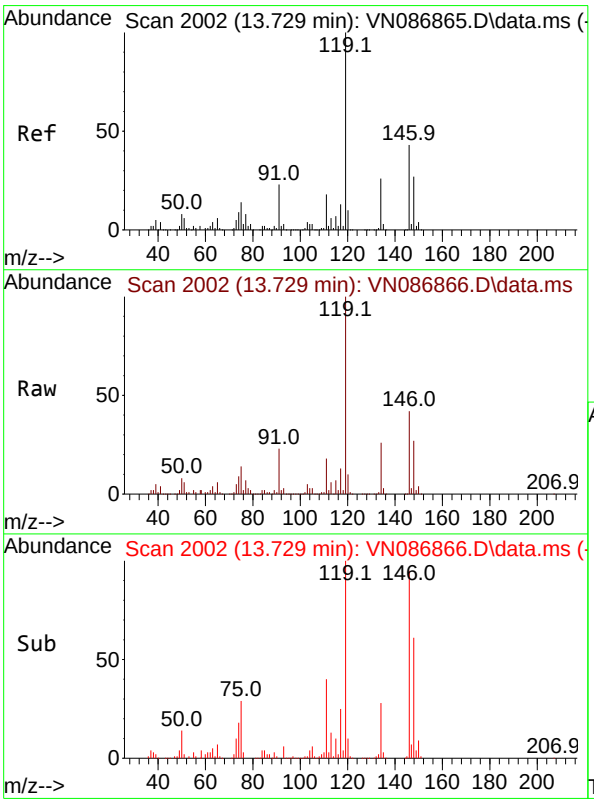
#85
sec-Butylbenzene
Concen: 100.513 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1182155

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0

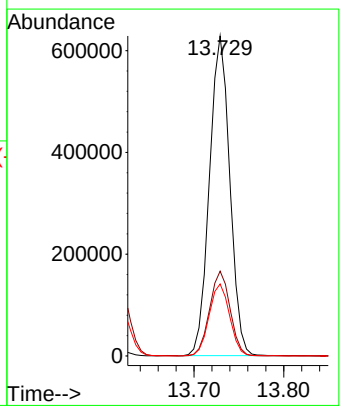


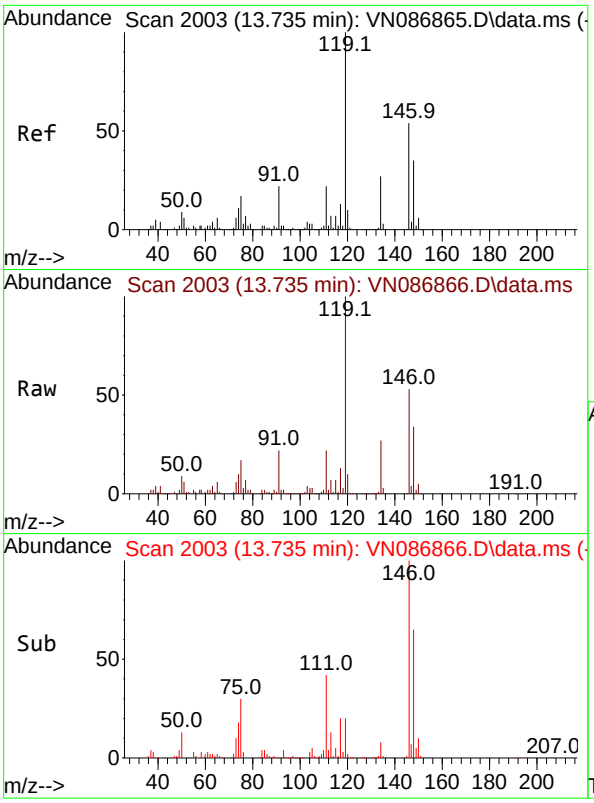


#86
p-Isopropyltoluene
Concen: 101.857 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:119 Resp: 990273

Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.5	40.4
91	22.6	11.5	34.4



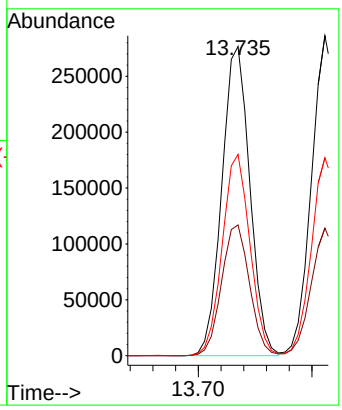


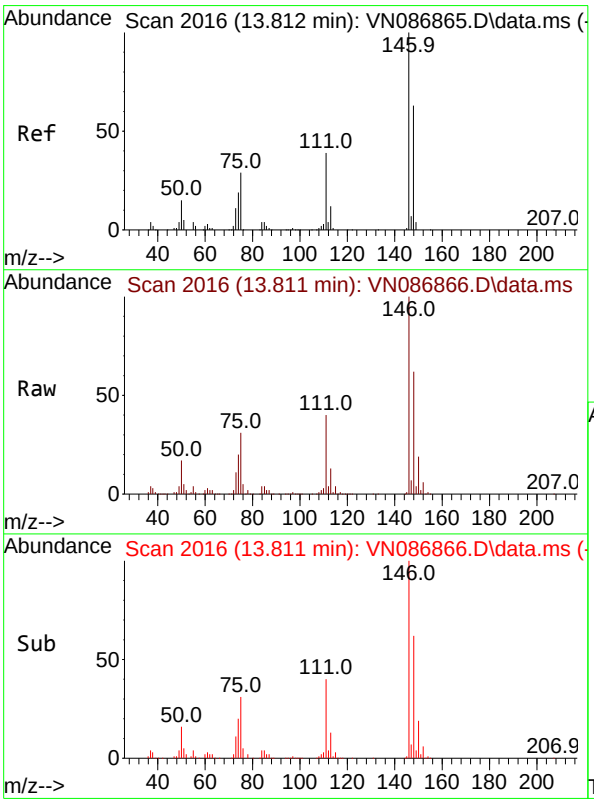
#87
1,3-Dichlorobenzene
Concen: 98.063 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 474162

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.9	62.8
148	64.4	32.0	96.2

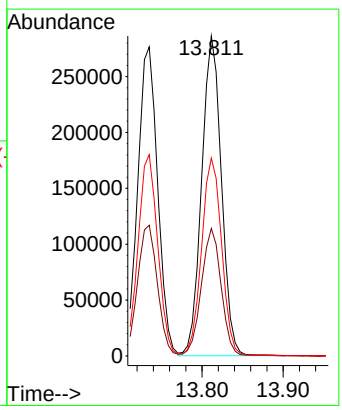


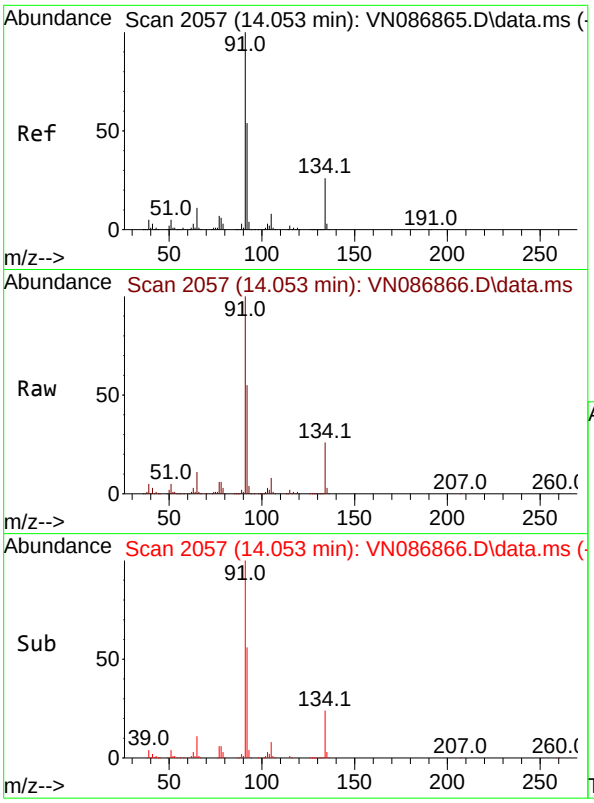


#88
1,4-Dichlorobenzene
Concen: 97.978 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:146 Resp: 483003

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.7
148	63.0	31.8	95.4



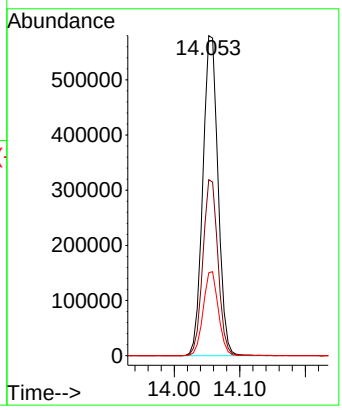


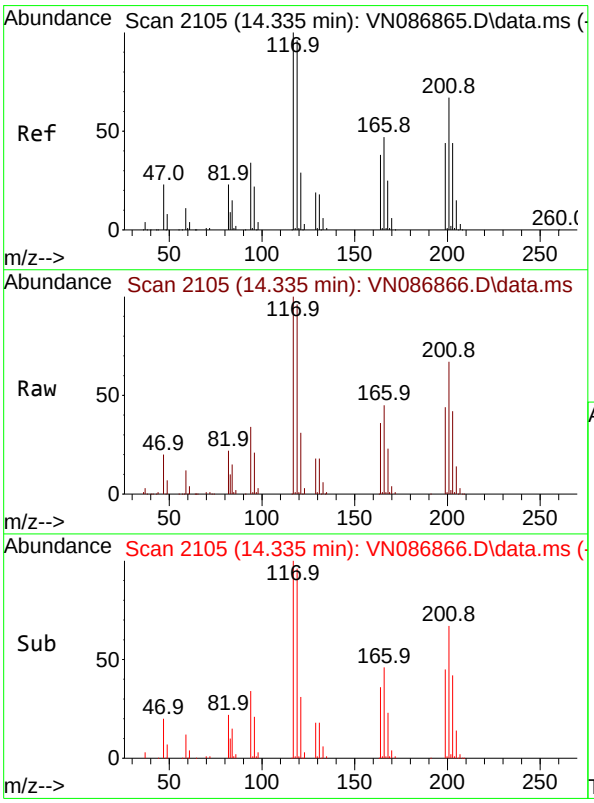
#89
n-Butylbenzene
Concen: 99.598 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 937913

Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.5	82.4
134	26.2	13.0	39.0

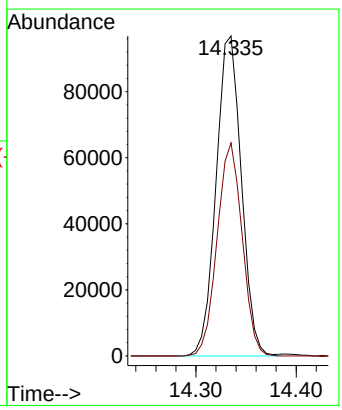


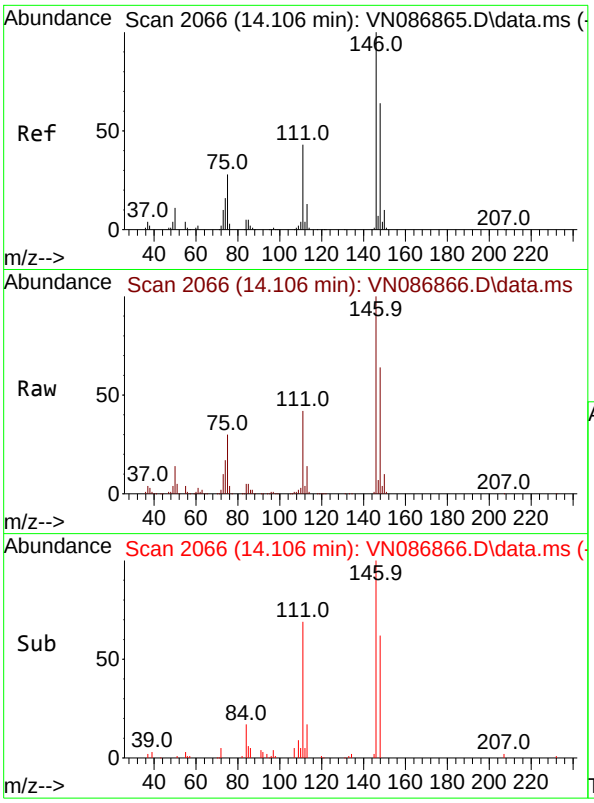


#90
Hexachloroethane
Concen: 103.019 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:117 Resp: 169772

Ion	Ratio	Lower	Upper
117	100		
201	65.8	33.2	99.6



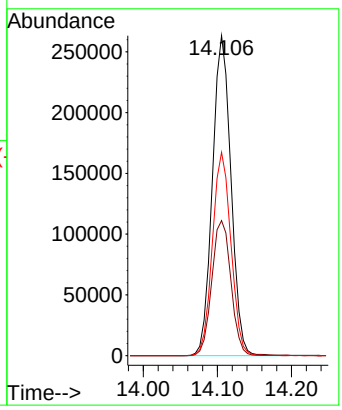


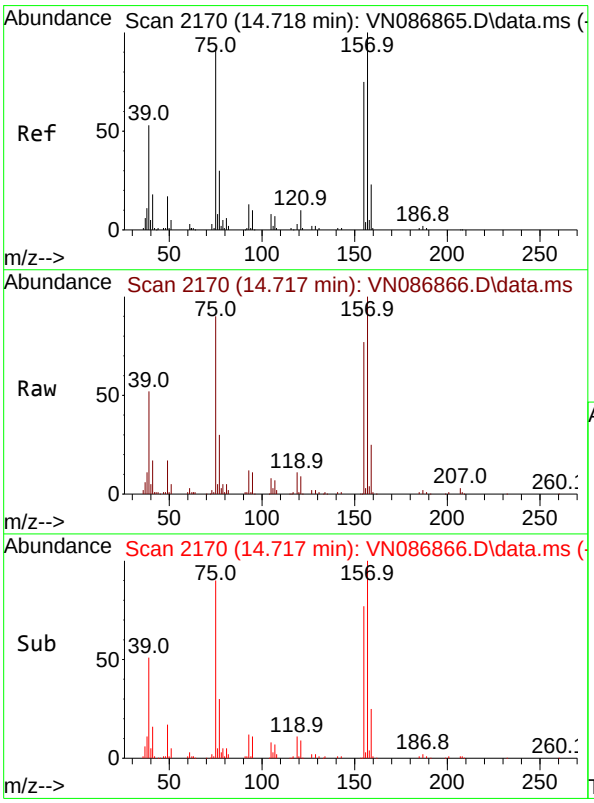
#91
1,2-Dichlorobenzene
Concen: 98.602 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 458049

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.6	64.6
148	63.5	31.7	95.1

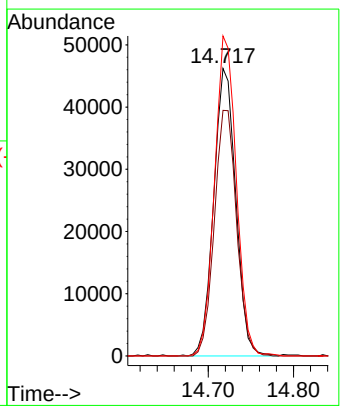


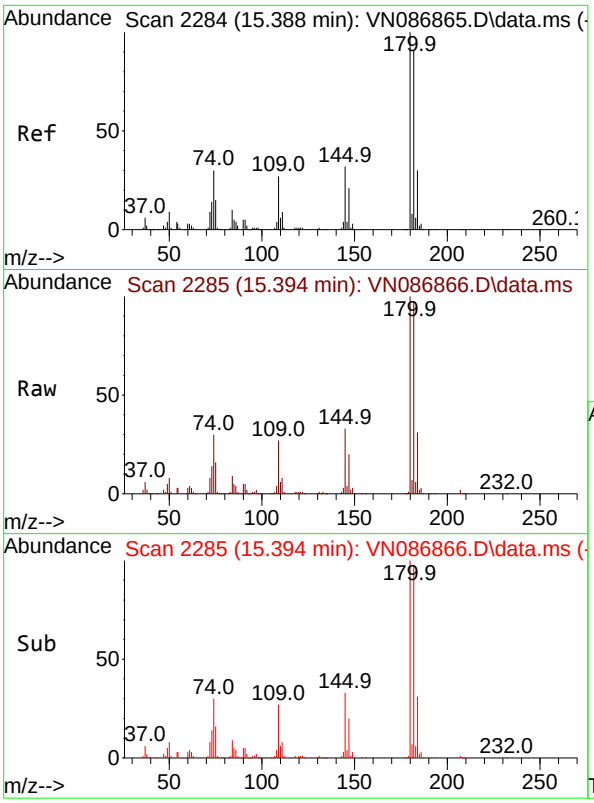


#92
1,2-Dibromo-3-Chloropropane
Concen: 95.877 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion: 75 Resp: 83243

Ion	Ratio	Lower	Upper
75	100		
155	86.1	41.1	123.4
157	109.8	52.7	158.1



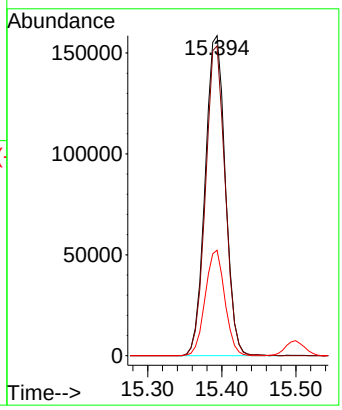


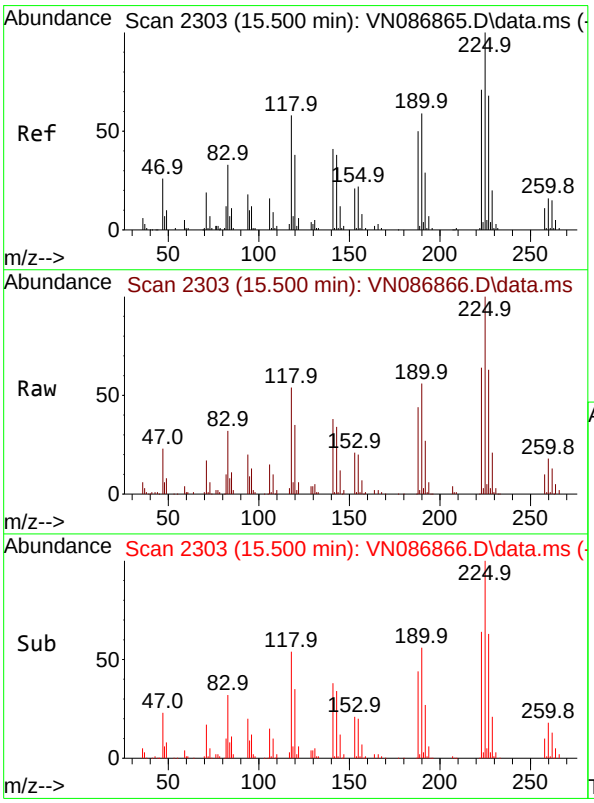
#93
1,2,4-Trichlorobenzene
Concen: 100.751 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 298870

Ion	Ratio	Lower	Upper
180	100		
182	94.6	46.9	140.7
145	32.2	16.0	47.9

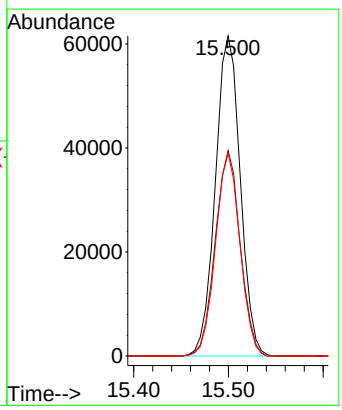


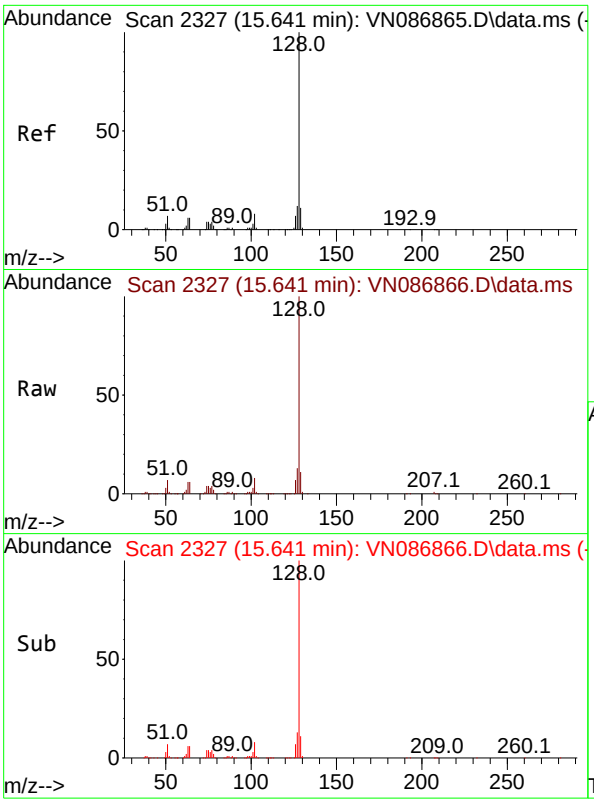


#94
Hexachlorobutadiene
Concen: 101.789 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:225 Resp: 112496

Ion	Ratio	Lower	Upper
225	100		
223	64.2	33.5	100.4
227	62.1	31.1	93.5



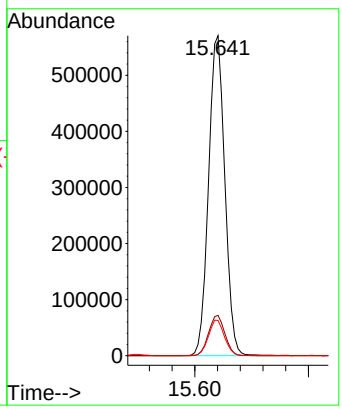


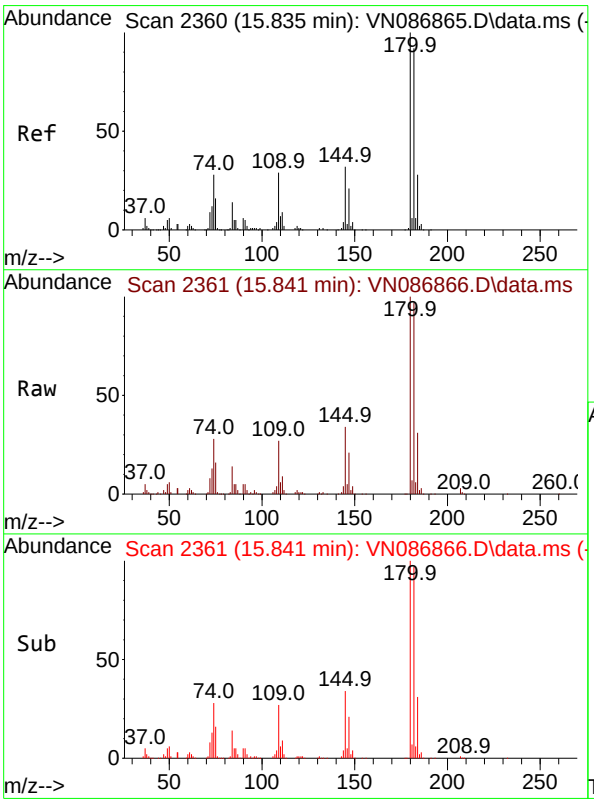
#95
Naphthalene
Concen: 102.290 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 1129434

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	11.0	8.8	13.2

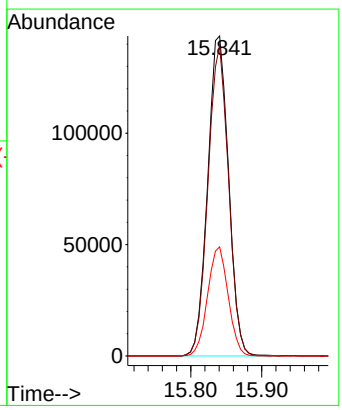




#96
1,2,3-Trichlorobenzene
Concen: 99.796 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086866.D
Acq: 06 Jun 2025 14:26

Tgt Ion:180 Resp: 294127

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.0	141.0
145	33.5	16.6	49.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	172832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	307937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	278552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	136630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	389297	168.233	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 336.460%#			
35) Dibromofluoromethane	8.176	113	324474	177.803	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 355.600%#			
50) Toluene-d8	10.570	98	1272348	176.120	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 352.240%#			
62) 4-Bromofluorobenzene	12.847	95	481421	179.364	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 358.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	262143	152.122	ug/l	100
3) Chloromethane	2.394	50	304558	136.865	ug/l	100
4) Vinyl Chloride	2.553	62	335834	146.303	ug/l	100
5) Bromomethane	2.965	94	190786	148.522	ug/l	98
6) Chloroethane	3.136	64	208568	140.664	ug/l	96
7) Trichlorofluoromethane	3.518	101	427871	142.666	ug/l	100
8) Diethyl Ether	3.983	74	191555	146.593	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.388	101	269810	143.192	ug/l	100
10) Methyl Iodide	4.606	142	352020	144.118	ug/l	99
11) Tert butyl alcohol	5.553	59	430866	686.213	ug/l	100
12) 1,1-Dichloroethene	4.353	96	273388	142.118	ug/l	98
13) Acrolein	4.194	56	171625	863.526	ug/l	99
14) Allyl chloride	5.035	41	490852	153.858	ug/l	92
15) Acrylonitrile	5.735	53	1048372	714.344	ug/l	99
16) Acetone	4.447	43	819041	667.435	ug/l	100
17) Carbon Disulfide	4.730	76	742788	139.594	ug/l	100
18) Methyl Acetate	5.041	43	523996	146.527	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	998781	143.396	ug/l	99
20) Methylene Chloride	5.300	84	311597	135.628	ug/l	99
21) trans-1,2-Dichloroethene	5.806	96	290960	135.947	ug/l	97
22) Diisopropyl ether	6.688	45	947638	140.915	ug/l	98
23) Vinyl Acetate	6.618	43	3932872	692.189	ug/l	99
24) 1,1-Dichloroethane	6.582	63	540881	139.761	ug/l	99
25) 2-Butanone	7.494	43	1381940	692.809	ug/l	99
26) 2,2-Dichloropropane	7.500	77	450112	149.519	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	363398	141.974	ug/l	99
28) Bromochloromethane	7.824	49	290594	152.718	ug/l	98
29) Tetrahydrofuran	7.847	42	898159	691.211	ug/l	98
30) Chloroform	7.976	83	534038	138.179	ug/l	97
31) Cyclohexane	8.265	56	505795	134.766	ug/l	96
32) 1,1,1-Trichloroethane	8.176	97	462854	140.807	ug/l	99
36) 1,1-Dichloropropene	8.376	75	393166	144.584	ug/l	100
37) Ethyl Acetate	7.571	43	494000	142.706	ug/l	99
38) Carbon Tetrachloride	8.371	117	388595	145.557	ug/l	98
39) Methylcyclohexane	9.606	83	544437	146.136	ug/l	97
40) Benzene	8.612	78	1266139	142.388	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	276400	142.174	ug/l		98
42) 1,2-Dichloroethane	8.676	62	381516	141.455	ug/l		100
43) Isopropyl Acetate	8.694	43	780791	140.531	ug/l		99
44) Trichloroethene	9.359	130	302548	143.490	ug/l		96
45) 1,2-Dichloropropane	9.623	63	309047	142.856	ug/l		100
46) Dibromomethane	9.712	93	208461	145.074	ug/l		100
47) Bromodichloromethane	9.894	83	430011	145.449	ug/l		100
48) Methyl methacrylate	9.688	41	366967	143.502	ug/l		99
49) 1,4-Dioxane	9.712	88	138035	2967.116	ug/l	#	100
51) 4-Methyl-2-Pentanone	10.447	43	2438311	728.995	ug/l		98
52) Toluene	10.635	92	793270	145.976	ug/l		100
53) t-1,3-Dichloropropene	10.841	75	489809	148.163	ug/l		97
54) cis-1,3-Dichloropropene	10.318	75	518092	146.469	ug/l		99
55) 1,1,2-Trichloroethane	11.017	97	298151	142.588	ug/l		99
56) Ethyl methacrylate	10.876	69	533912	160.311	ug/l		98
57) 1,3-Dichloropropane	11.165	76	516391	142.363	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	1869543	941.147	ug/l		99
59) 2-Hexanone	11.200	43	1735777	805.662	ug/l		99
60) Dibromochloromethane	11.365	129	322064	147.832	ug/l		98
61) 1,2-Dibromoethane	11.470	107	314606	146.790	ug/l		99
64) Tetrachloroethene	11.106	164	245122	139.048	ug/l		97
65) Chlorobenzene	11.894	112	860345	140.041	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	282739	143.171	ug/l		99
67) Ethyl Benzene	11.964	91	1517883	143.438	ug/l		98
68) m/p-Xylenes	12.070	106	1175378	290.155	ug/l		99
69) o-Xylene	12.400	106	566301	145.966	ug/l		100
70) Styrene	12.411	104	972318	146.459	ug/l		100
71) Bromoform	12.582	173	223200	152.538	ug/l	#	99
73) Isopropylbenzene	12.694	105	1453651	146.042	ug/l		100
74) N-amyl acetate	12.500	43	543747	164.596	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.941	83	474426	140.693	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	644184	197.732	ug/l		71
77) Bromobenzene	12.982	156	335734	147.077	ug/l		98
78) n-propylbenzene	13.035	91	1769694	146.301	ug/l		99
79) 2-Chlorotoluene	13.123	91	1046916	144.317	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	1210325	147.279	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	216253	153.277	ug/l		95
82) 4-Chlorotoluene	13.223	91	1063581	144.900	ug/l		100
83) tert-Butylbenzene	13.435	119	1093406	145.352	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	1216529	147.626	ug/l		100
85) sec-Butylbenzene	13.617	105	1582762	144.885	ug/l		99
86) p-Isopropyltoluene	13.729	119	1322780	146.482	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	641966	142.939	ug/l		100
88) 1,4-Dichlorobenzene	13.811	146	646188	141.124	ug/l		99
89) n-Butylbenzene	14.053	91	1251819	143.117	ug/l		100
90) Hexachloroethane	14.335	117	230195	150.387	ug/l		98
91) 1,2-Dichlorobenzene	14.105	146	613177	142.108	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	110677	137.242	ug/l		96
93) 1,2,4-Trichlorobenzene	15.394	180	407621	147.940	ug/l		99
94) Hexachlorobutadiene	15.500	225	151172	147.264	ug/l		98
95) Naphthalene	15.641	128	1545981	150.743	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	404450	147.743	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

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

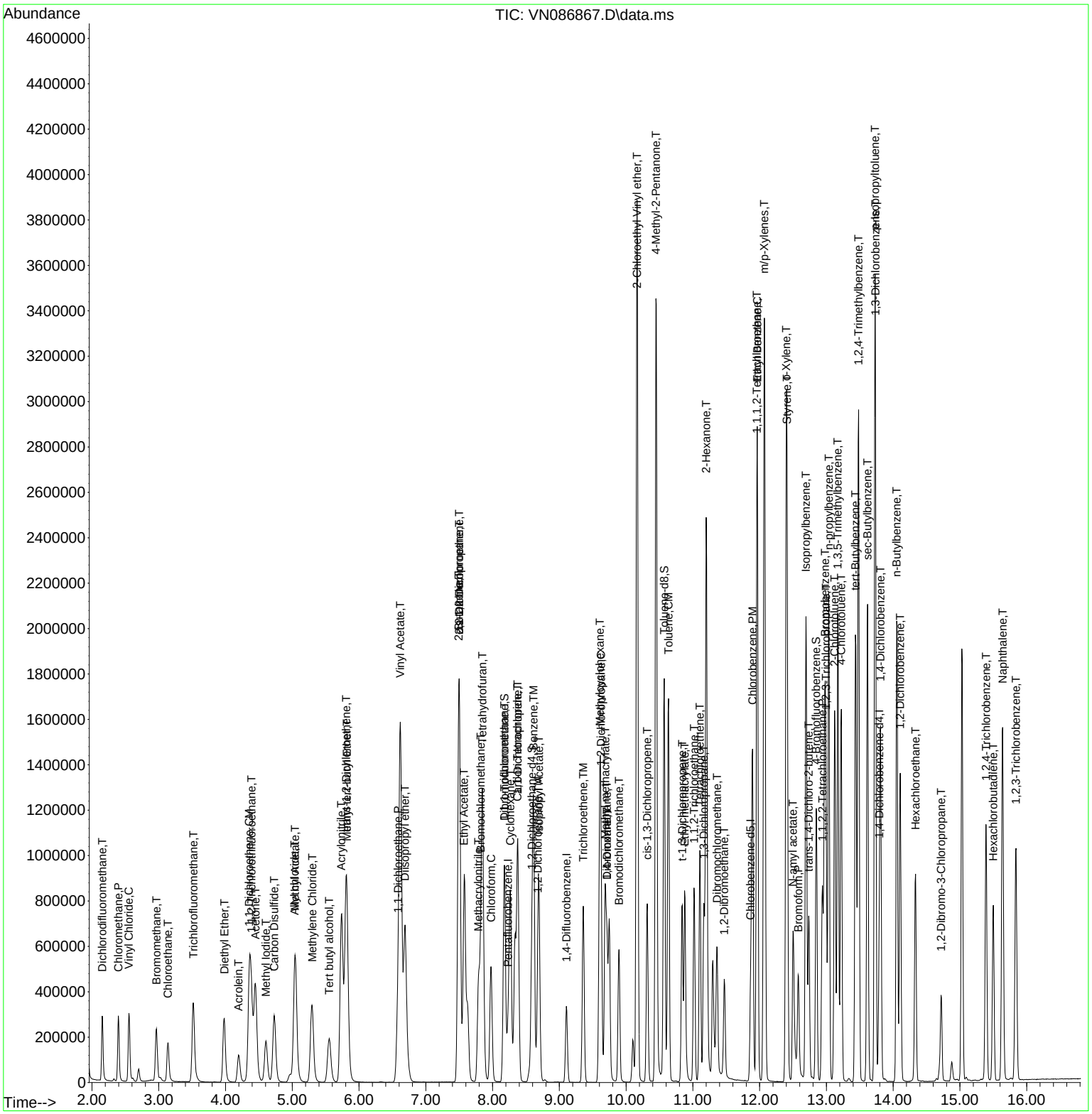
(#) = qualifier out of range (m) = manual integration (+) = signals summed

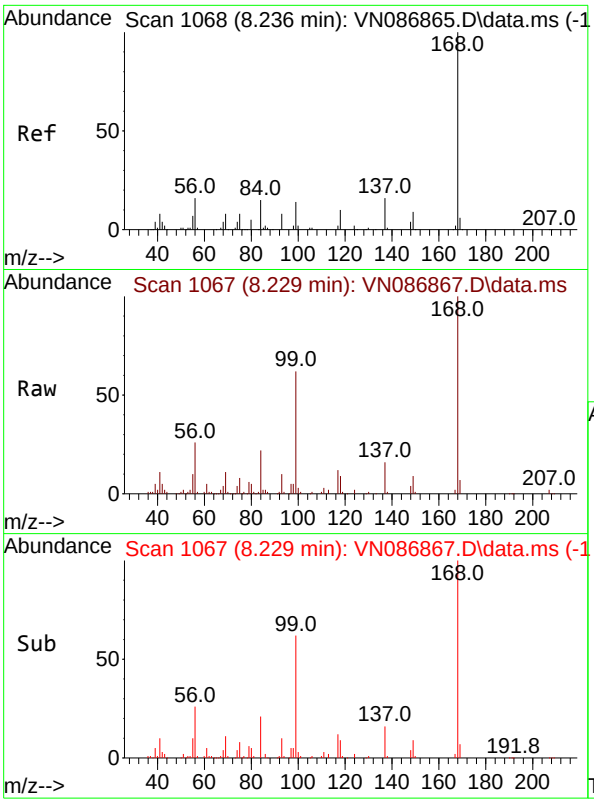
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration



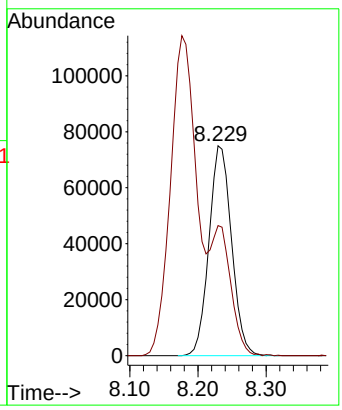


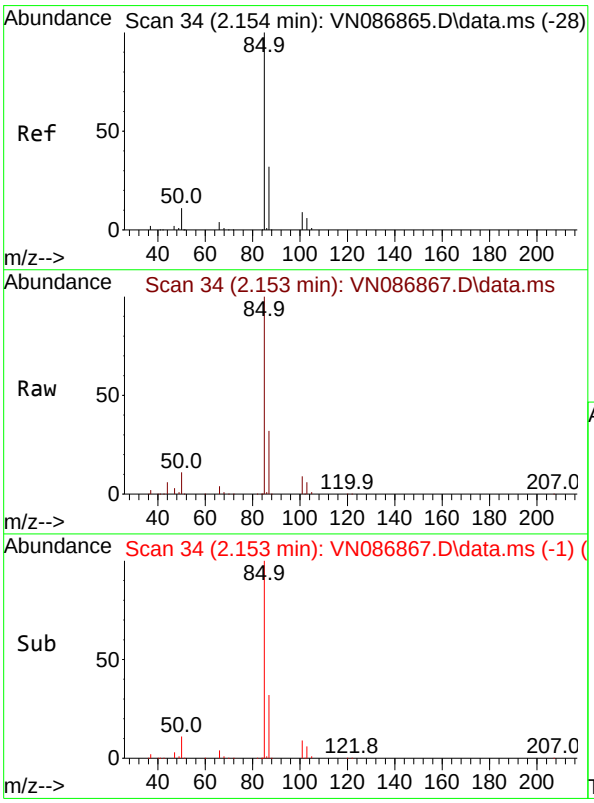
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.007 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 172832

Ion	Ratio	Lower	Upper
168	100		
99	61.8	49.1	73.7

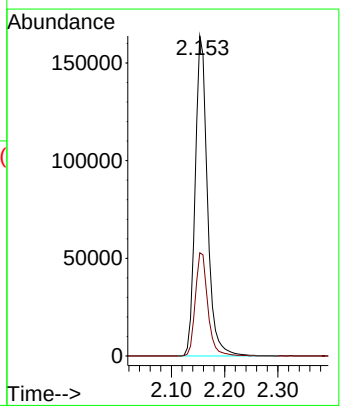


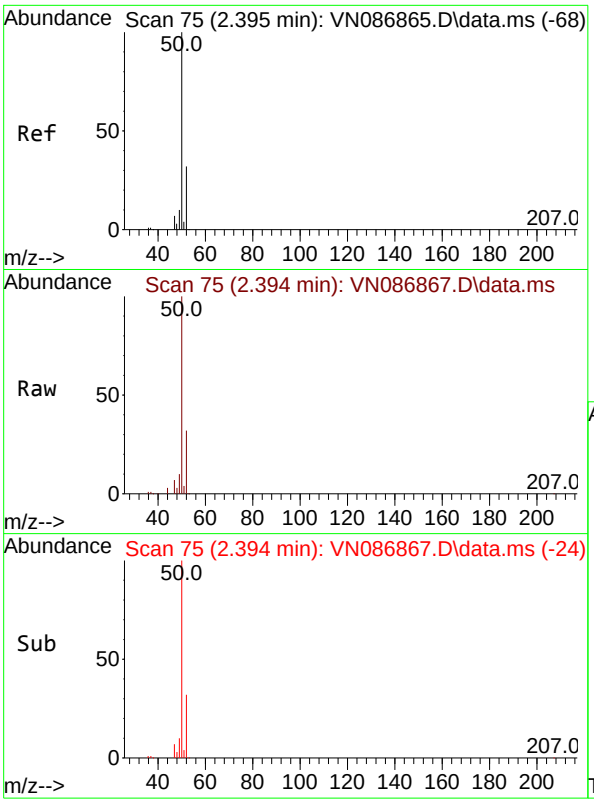


#2
Dichlorodifluoromethane
Concen: 152.122 ug/l
RT: 2.153 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 85 Resp: 262143

Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.2	48.6



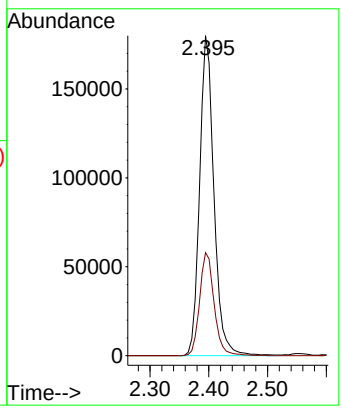


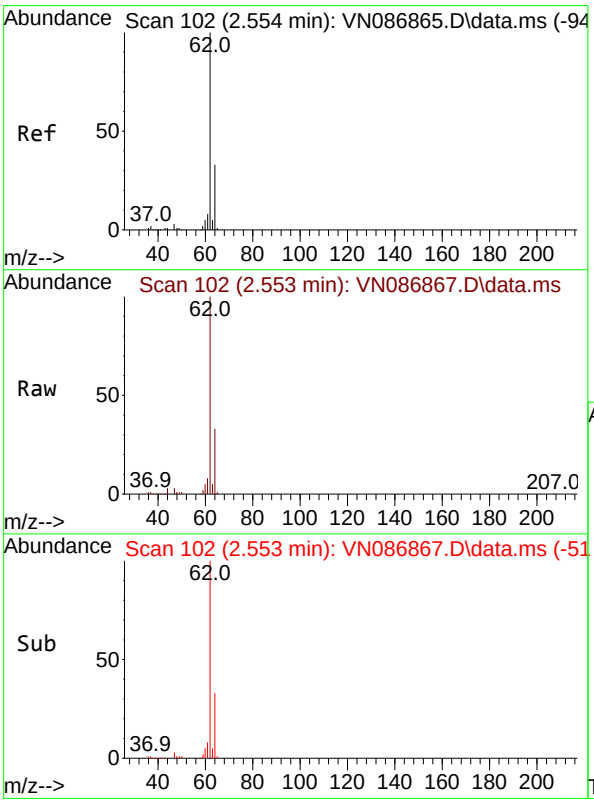
#3
Chloromethane
Concen: 136.865 ug/l
RT: 2.394 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 304558

Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.7	38.5

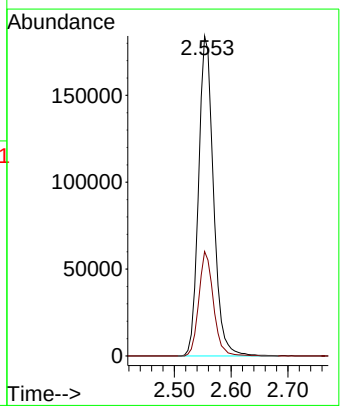


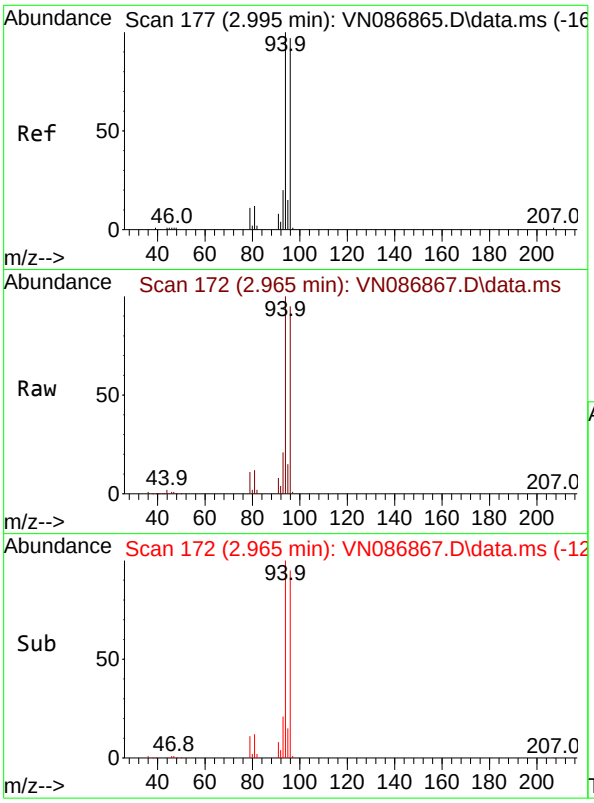


#4
Vinyl Chloride
Concen: 146.303 ug/l
RT: 2.553 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 62 Resp: 335834

Ion	Ratio	Lower	Upper
62	100		
64	32.6	26.0	39.0



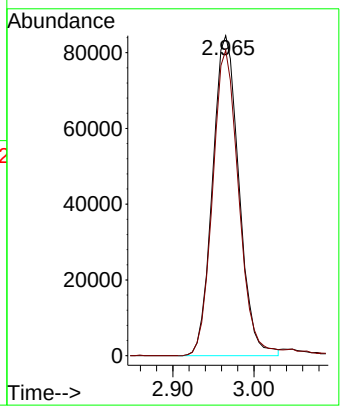


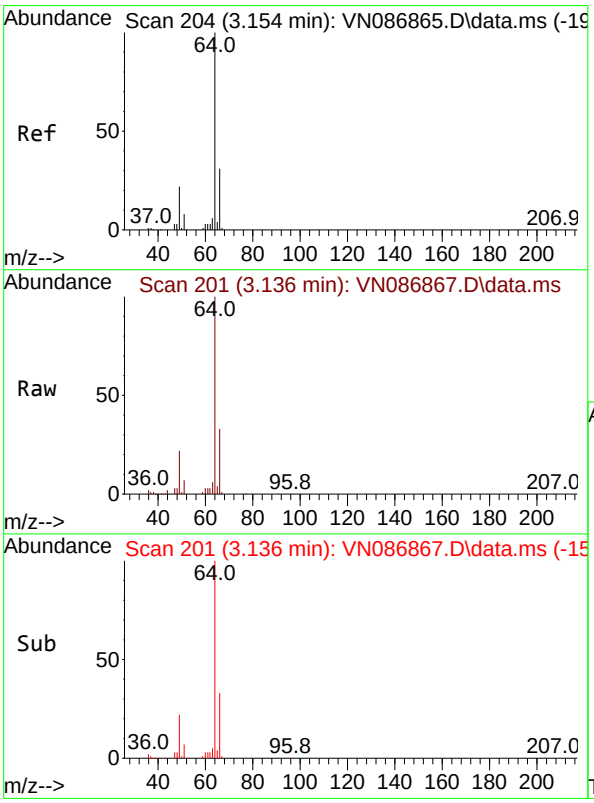
#5
Bromomethane
Concen: 148.522 ug/l
RT: 2.965 min Scan# 1
Delta R.T. -0.030 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 190786

Ion	Ratio	Lower	Upper
94	100		
96	95.5	77.9	116.9

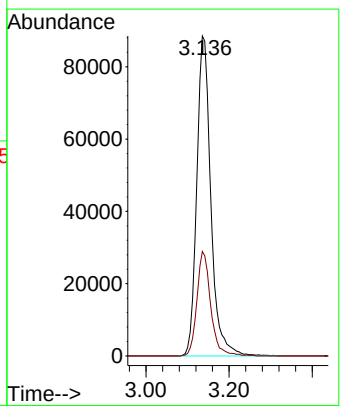


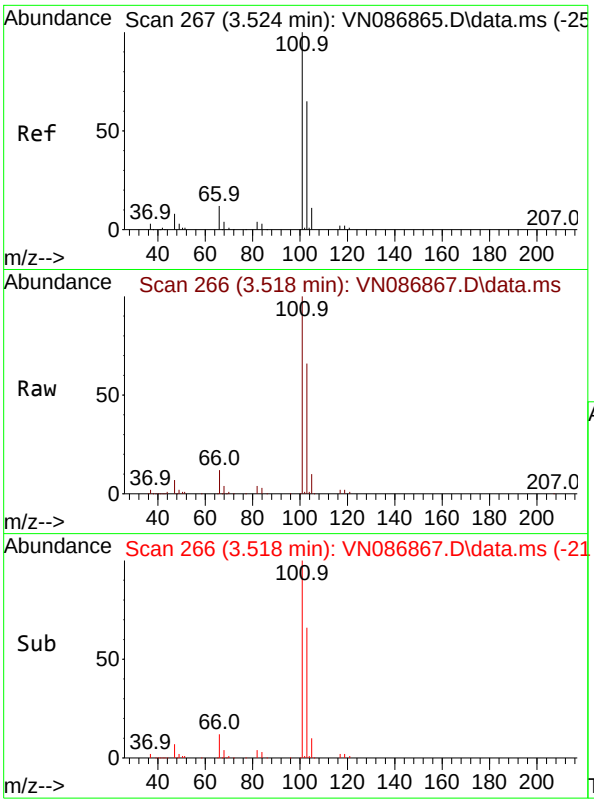


#6
Chloroethane
Concen: 140.664 ug/l
RT: 3.136 min Scan# 201
Delta R.T. -0.018 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 64 Resp: 208568

Ion	Ratio	Lower	Upper
64	100		
66	32.7	24.6	36.8



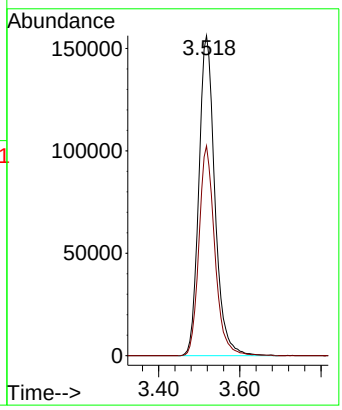


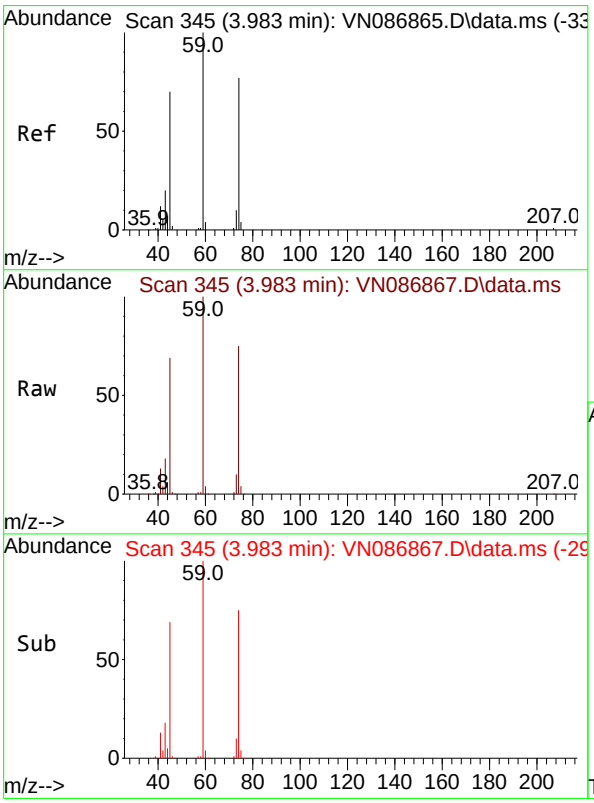
#7
Trichlorofluoromethane
Concen: 142.666 ug/l
RT: 3.518 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 427871

Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.2	78.2

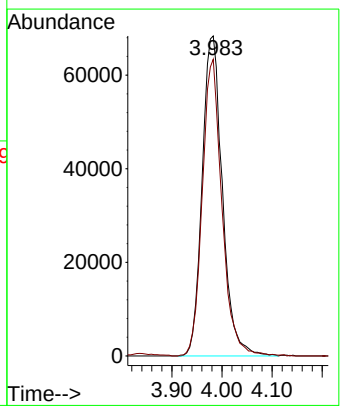


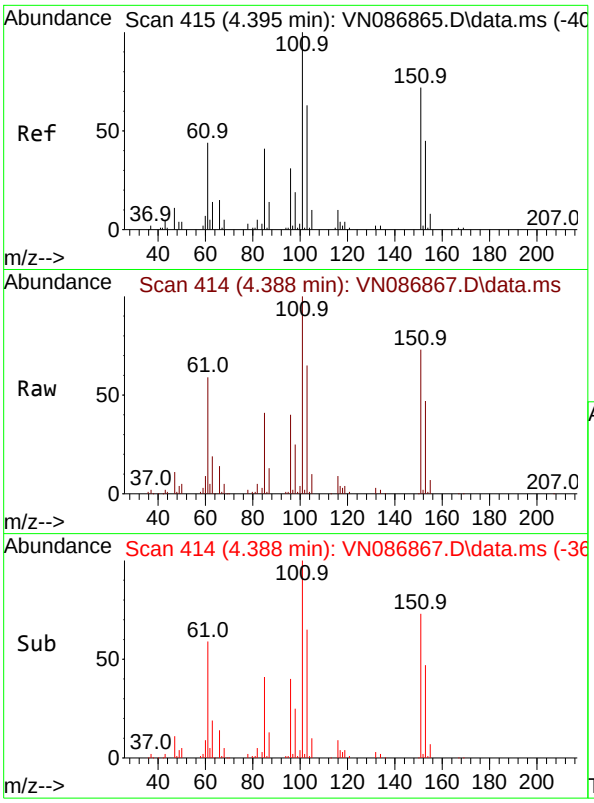


#8
Diethyl Ether
Concen: 146.593 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 74 Resp: 191555

Ion	Ratio	Lower	Upper
74	100		
45	90.3	45.5	136.5



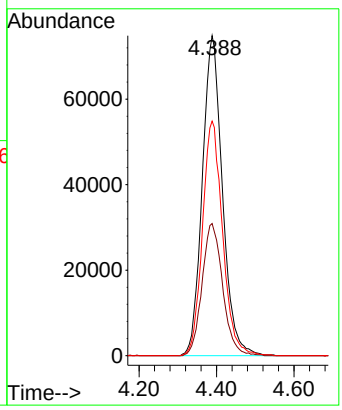


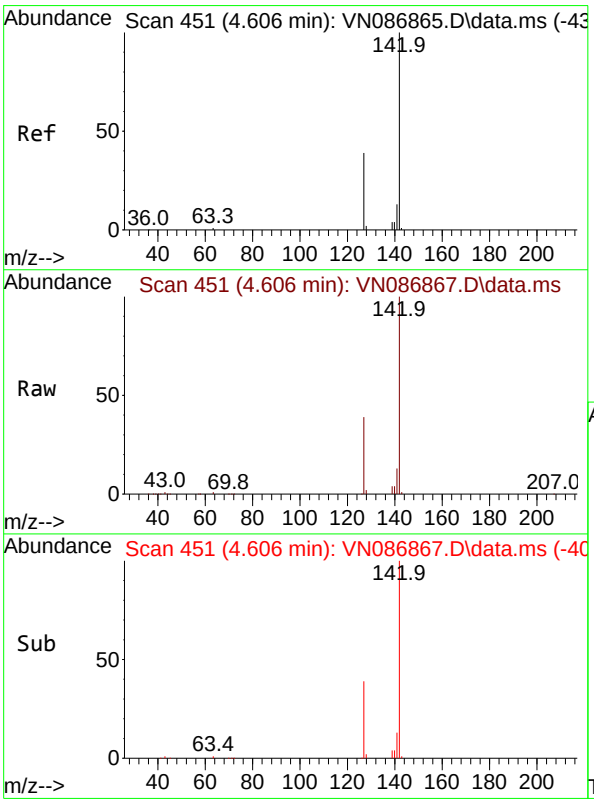
#9
1,1,2-Trichlorotrifluoroethane
Concen: 143.192 ug/l
RT: 4.388 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 269810

Ion	Ratio	Lower	Upper
101	100		
85	42.3	33.8	50.8
151	73.5	58.7	88.1

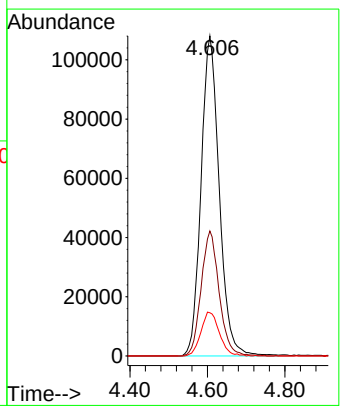


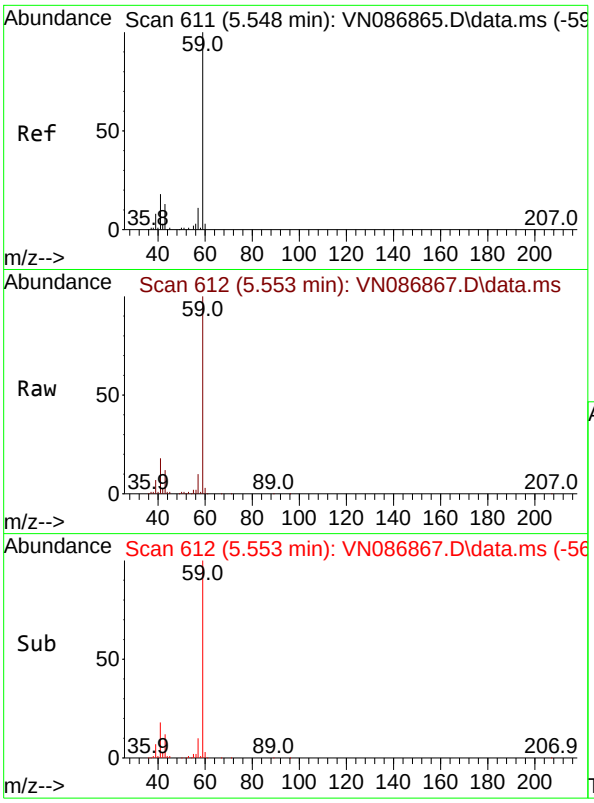


#10
Methyl Iodide
Concen: 144.118 ug/l
RT: 4.606 min Scan# 451
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:142 Resp: 352020

Ion	Ratio	Lower	Upper
142	100		
127	39.1	30.9	46.3
141	13.5	10.4	15.6



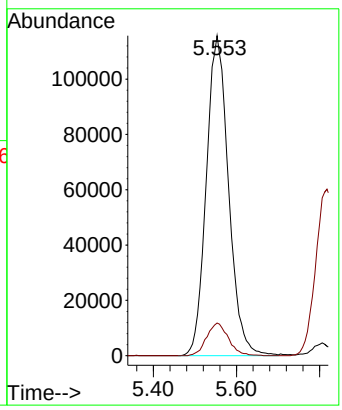


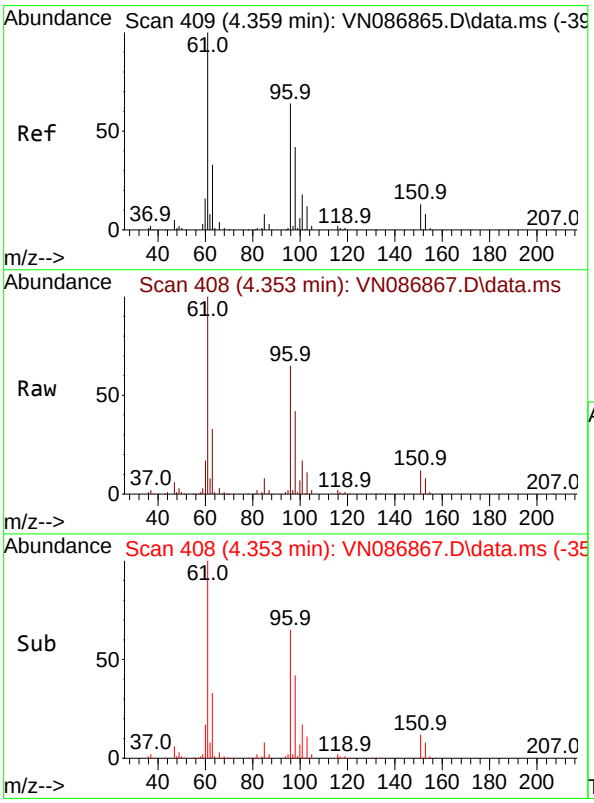
#11
Tert butyl alcohol
Concen: 686.213 ug/l
RT: 5.553 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 430866

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.1	12.1

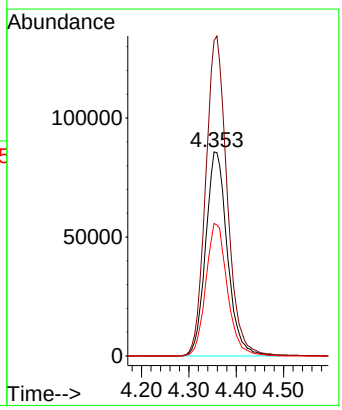


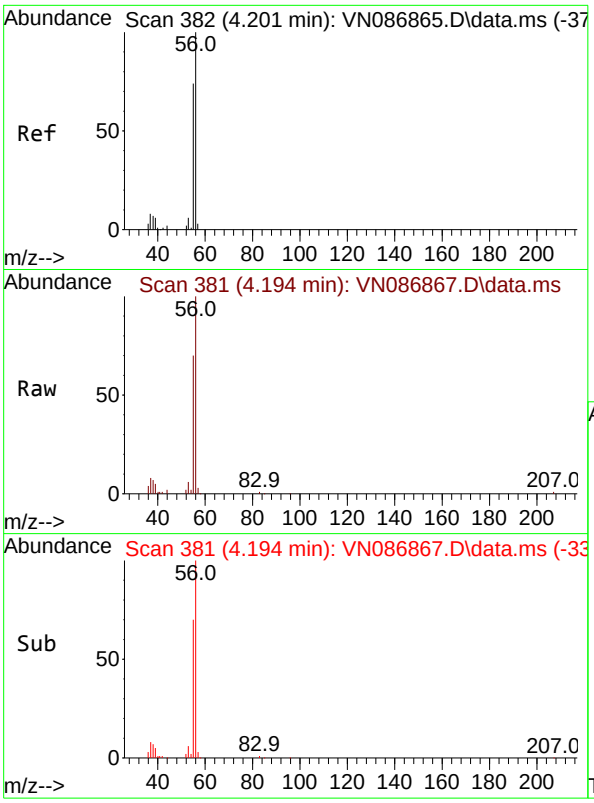


#12
1,1-Dichloroethene
Concen: 142.118 ug/l
RT: 4.353 min Scan# 408
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 96 Resp: 273388

Ion	Ratio	Lower	Upper
96	100		
61	154.5	125.8	188.6
98	64.9	52.5	78.7



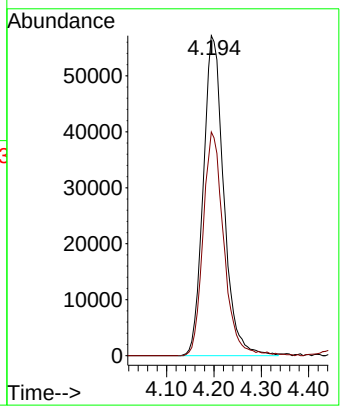


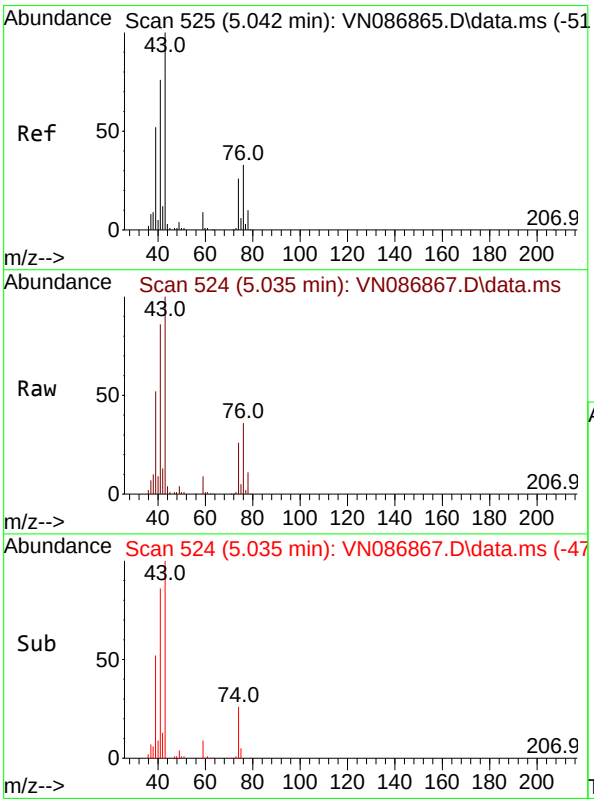
#13
Acrolein
Concen: 863.526 ug/l
RT: 4.194 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 171625

Ion	Ratio	Lower	Upper
56	100		
55	70.4	55.6	83.4

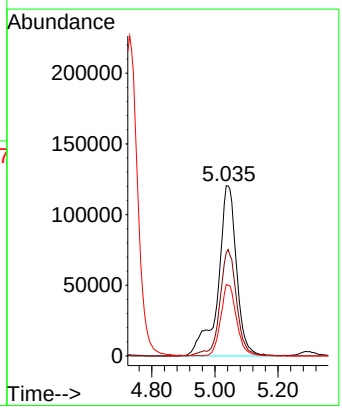


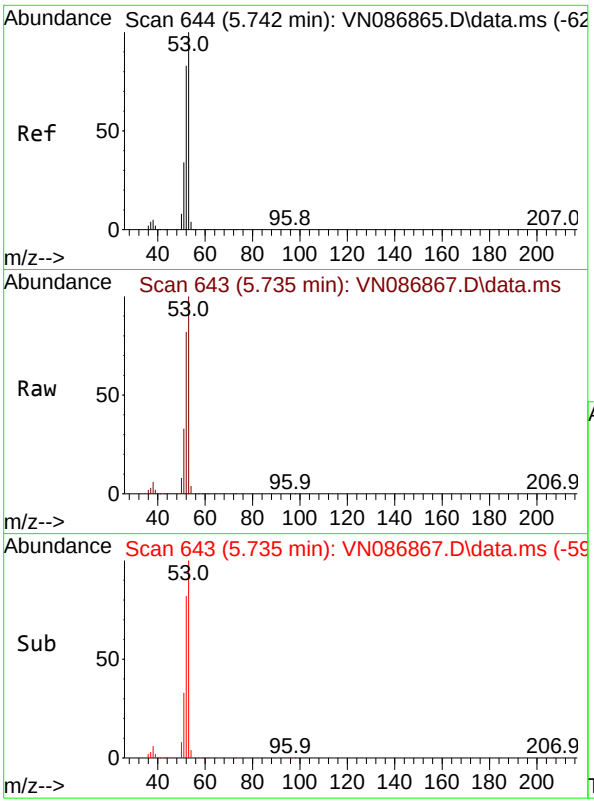


#14
Allyl chloride
Concen: 153.858 ug/l
RT: 5.035 min Scan# 524
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 41 Resp: 490852

Ion	Ratio	Lower	Upper
41	100		
39	56.4	51.3	76.9
76	35.7	31.4	47.0



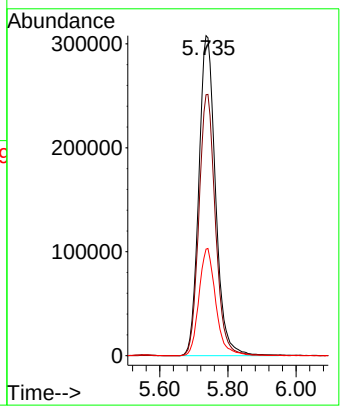


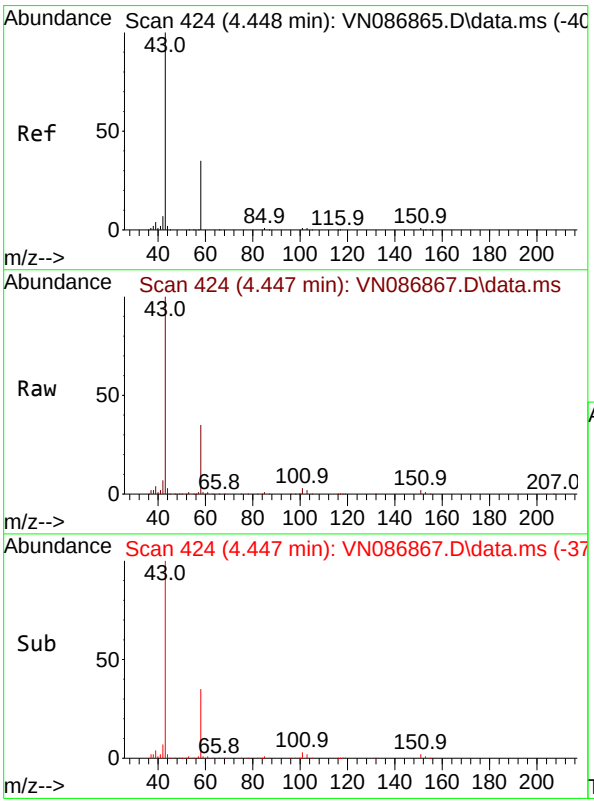
#15
Acrylonitrile
Concen: 714.344 ug/l
RT: 5.735 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 1048372

Ion	Ratio	Lower	Upper
53	100		
52	80.7	65.0	97.6
51	33.8	27.2	40.8

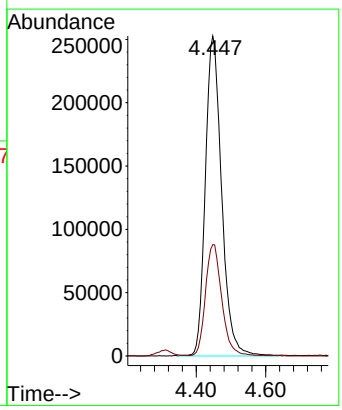


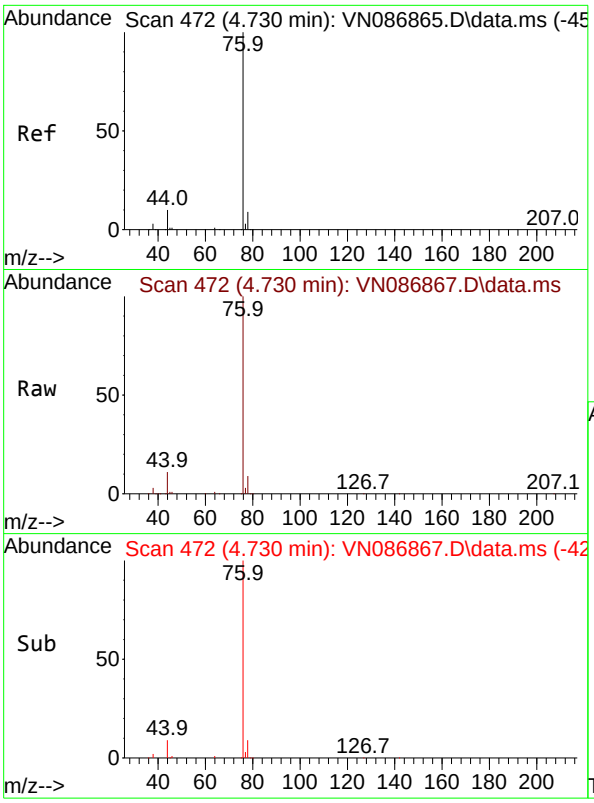


#16
Acetone
Concen: 667.435 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 43 Resp: 819041

Ion	Ratio	Lower	Upper
43	100		
58	34.7	28.0	42.0



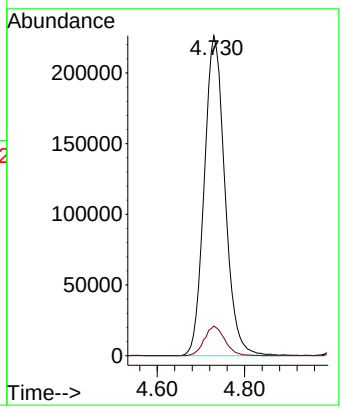


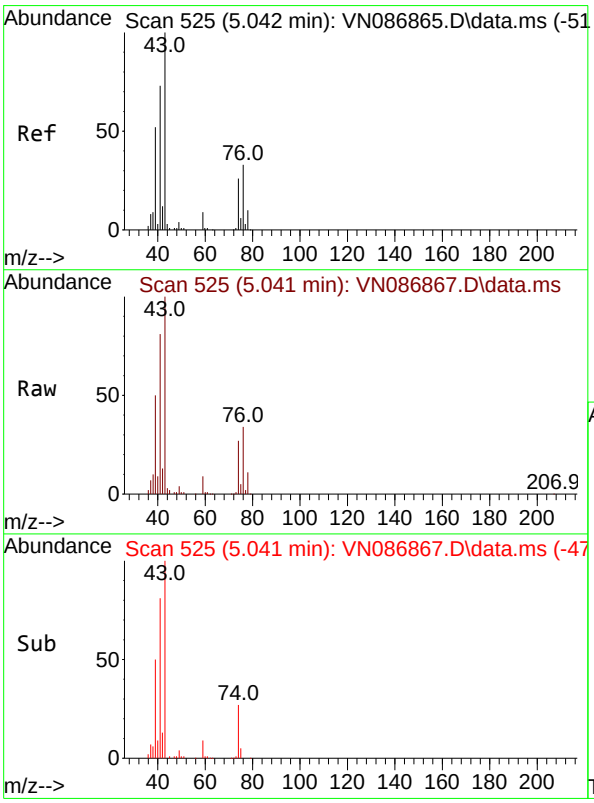
#17
Carbon Disulfide
Concen: 139.594 ug/l
RT: 4.730 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 742788

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

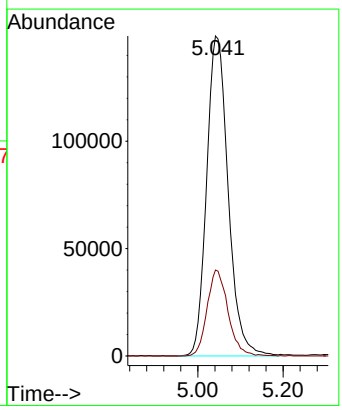


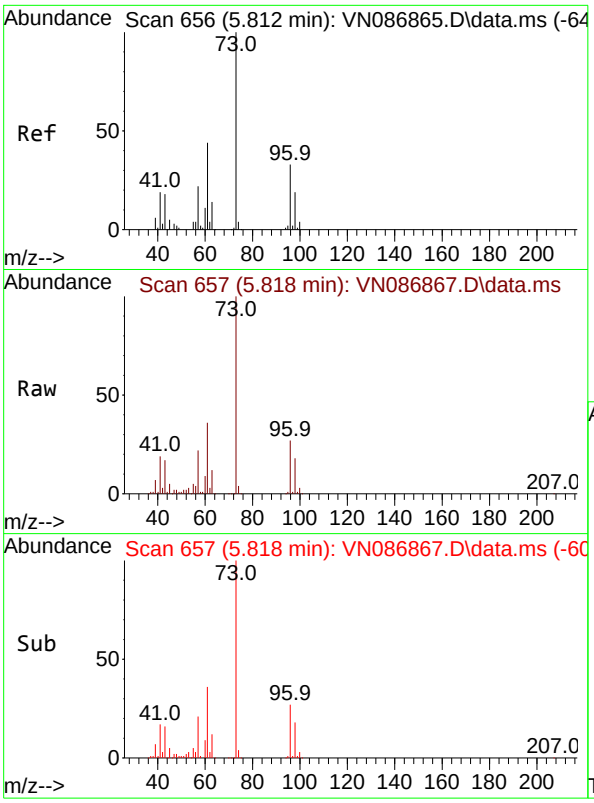


#18
Methyl Acetate
Concen: 146.527 ug/l
RT: 5.041 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 43 Resp: 523996

Ion	Ratio	Lower	Upper
43	100		
74	26.1	20.7	31.1



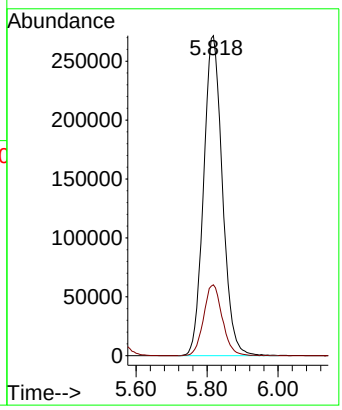


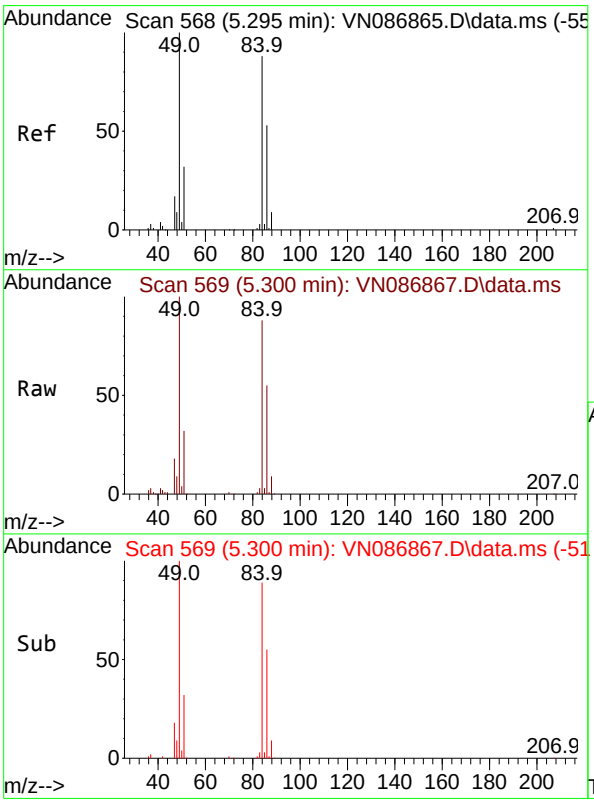
#19
Methyl tert-butyl Ether
Concen: 143.396 ug/l
RT: 5.818 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 998781

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.4	26.2

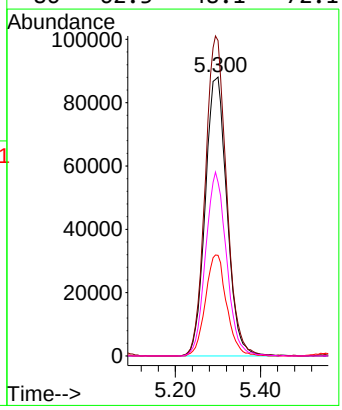


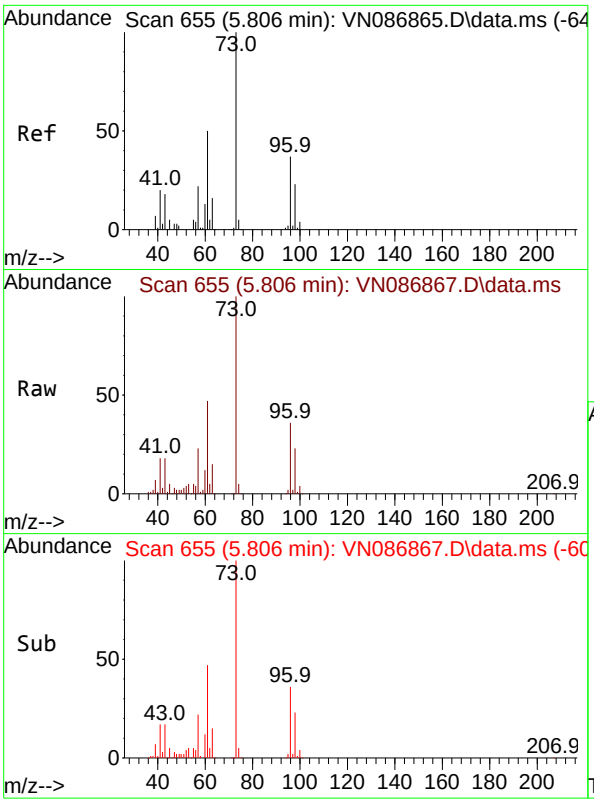


#20
Methylene Chloride
Concen: 135.628 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 84 Resp: 311597

Ion	Ratio	Lower	Upper
84	100		
49	113.0	90.5	135.7
51	36.1	28.5	42.7
86	62.3	48.1	72.1



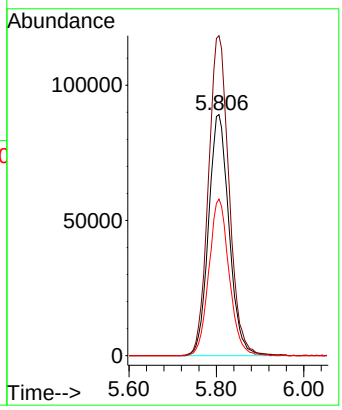


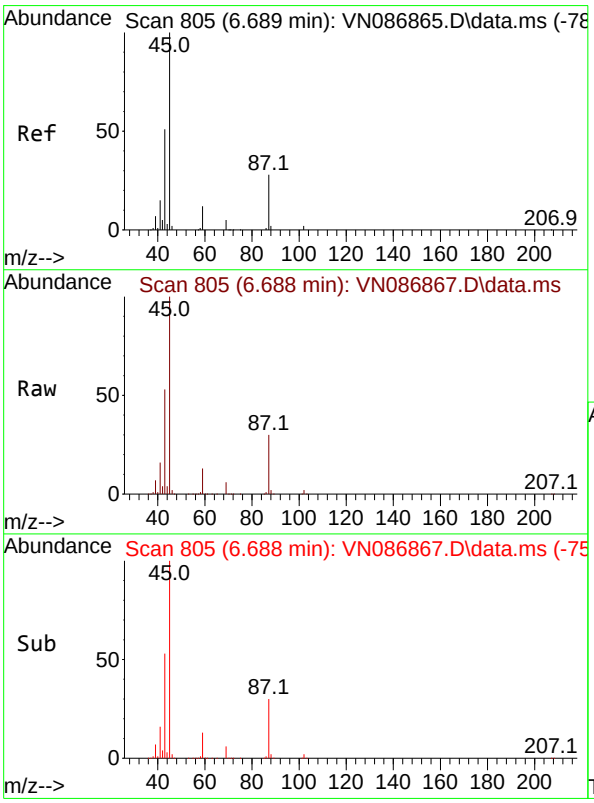
#21
trans-1,2-Dichloroethene
Concen: 135.947 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 290960

Ion	Ratio	Lower	Upper
96	100		
61	132.7	109.2	163.8
98	65.0	49.8	74.8

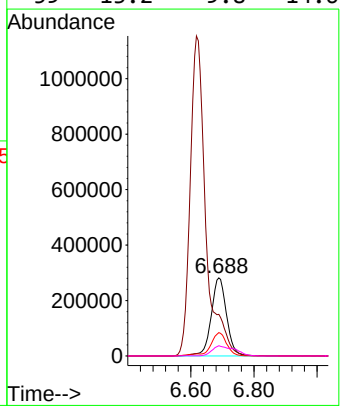


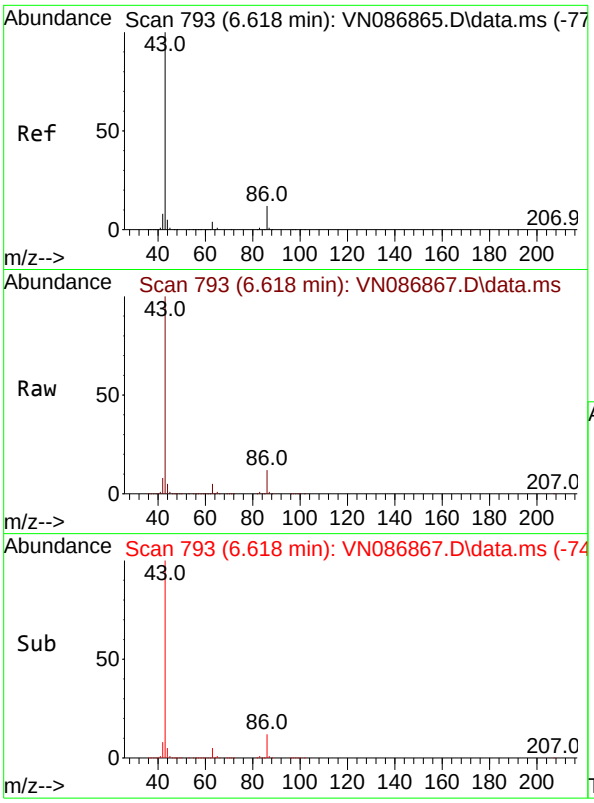


#22
Diisopropyl ether
Concen: 140.915 ug/l
RT: 6.688 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 45 Resp: 947638

Ion	Ratio	Lower	Upper
45	100		
43	53.1	41.9	62.9
87	29.9	22.4	33.6
59	13.2	9.8	14.6



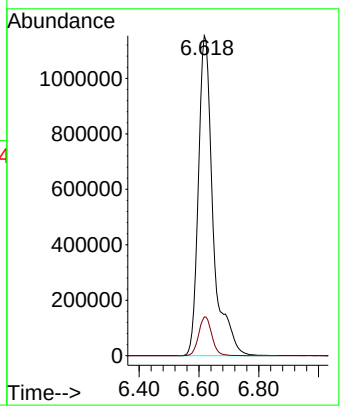


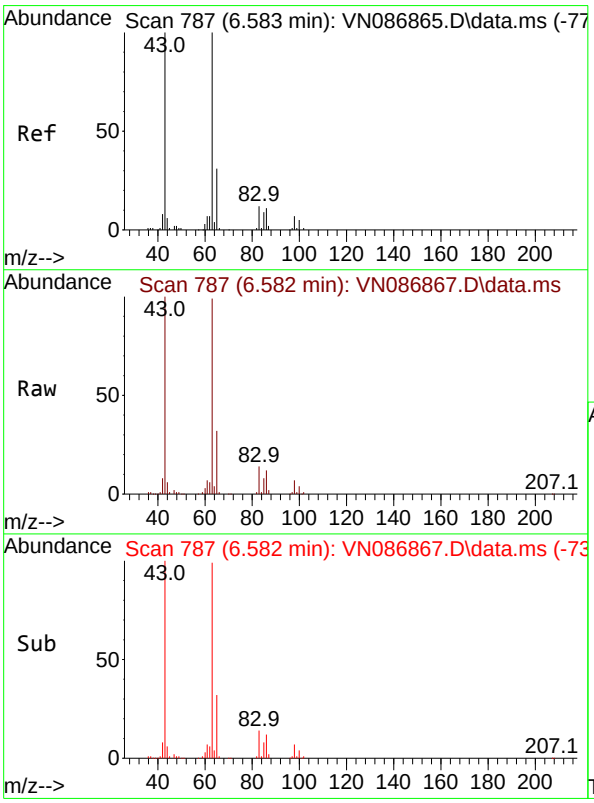
#23
Vinyl Acetate
Concen: 692.189 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 3932872

Ion	Ratio	Lower	Upper
43	100		
86	12.1	9.5	14.3

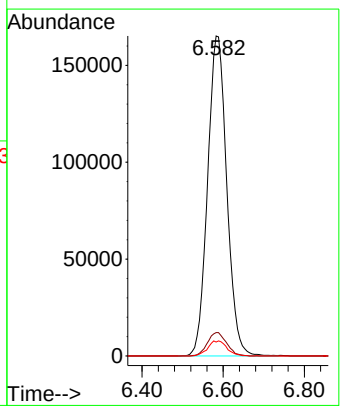


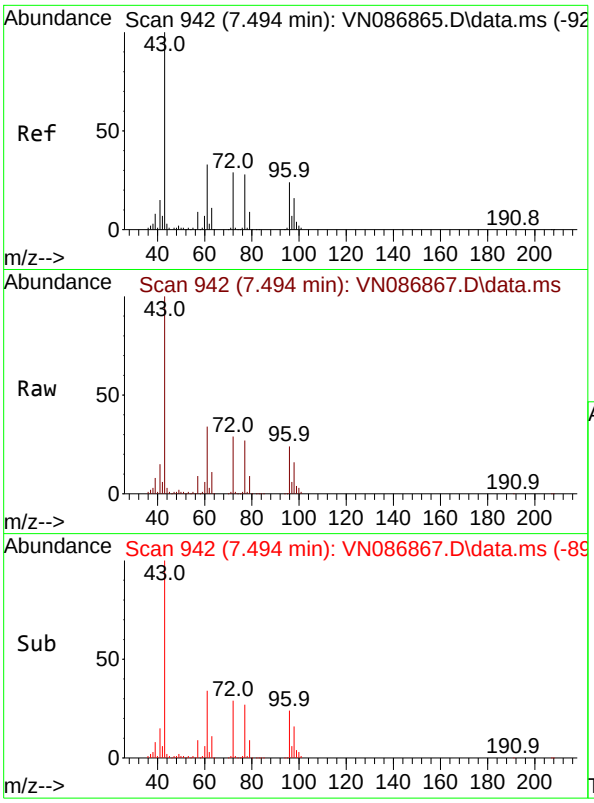


#24
1,1-Dichloroethane
Concen: 139.761 ug/l
RT: 6.582 min Scan# 787
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 63 Resp: 540881

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.6	10.8
100	4.4	2.6	7.8



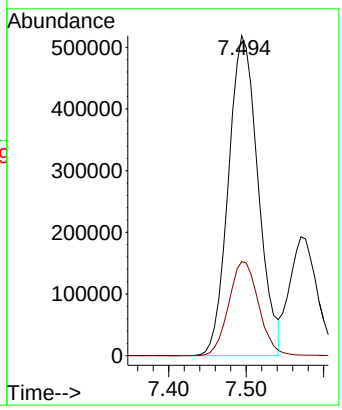


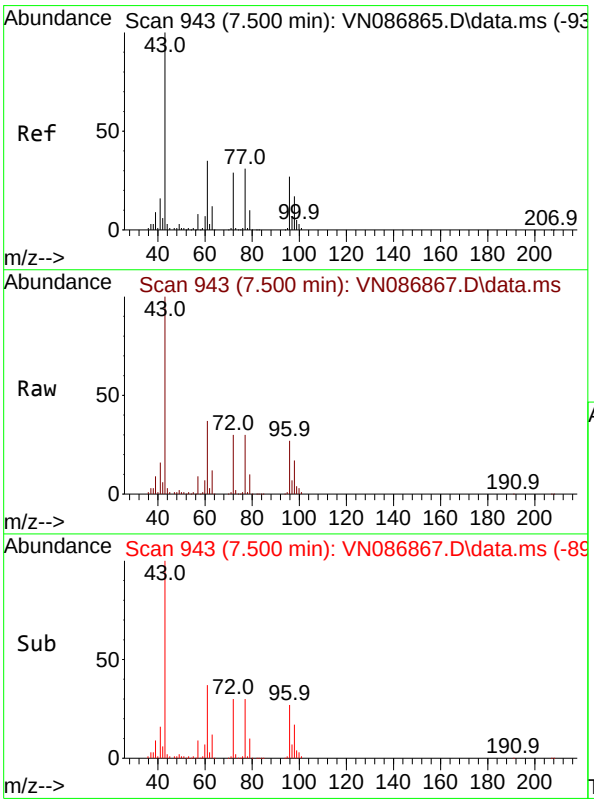
#25
2-Butanone
Concen: 692.809 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1381940

Ion	Ratio	Lower	Upper
43	100		
72	29.4	23.0	34.6

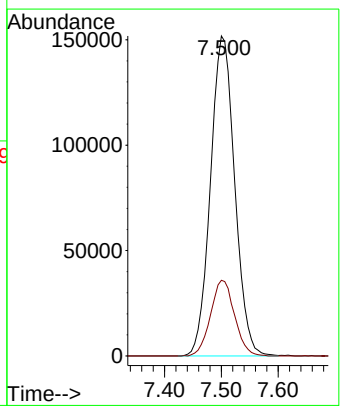


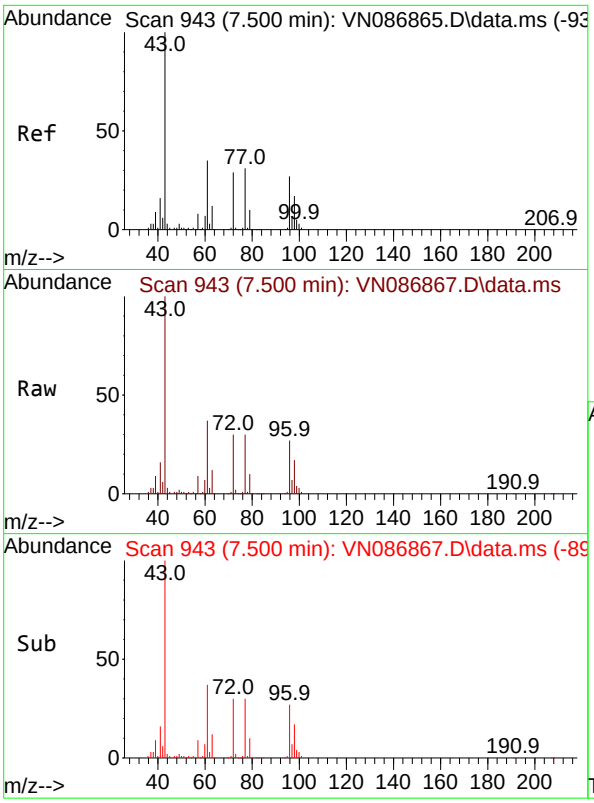


#26
2,2-Dichloropropane
Concen: 149.519 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 77 Resp: 450112

Ion	Ratio	Lower	Upper
77	100		
97	23.4	11.6	34.7



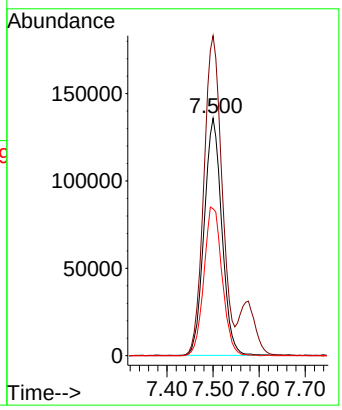


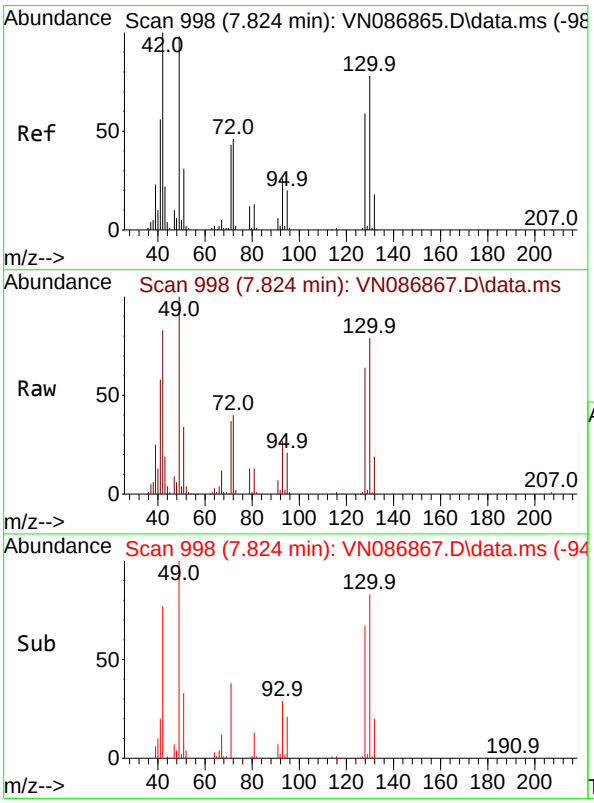
#27
cis-1,2-Dichloroethene
Concen: 141.974 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 363398

Ion	Ratio	Lower	Upper
96	100		
61	138.0	0.0	278.0
98	64.5	0.0	128.2

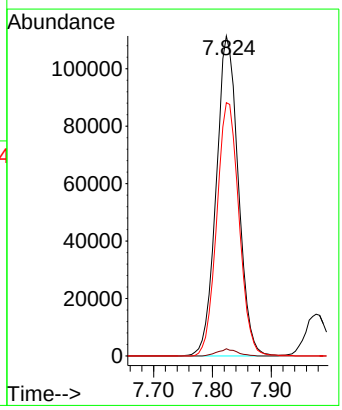


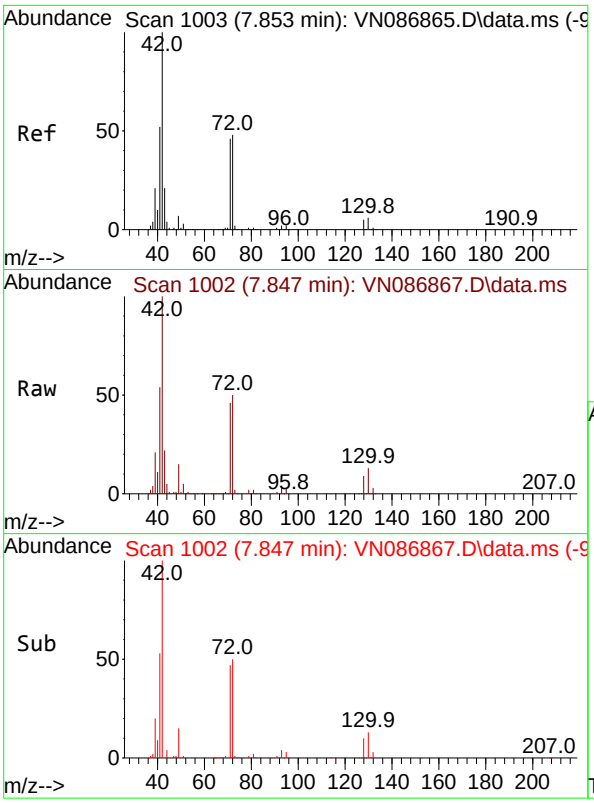


#28
Bromochloromethane
Concen: 152.718 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 49 Resp: 290594

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	79.8	62.2	93.2



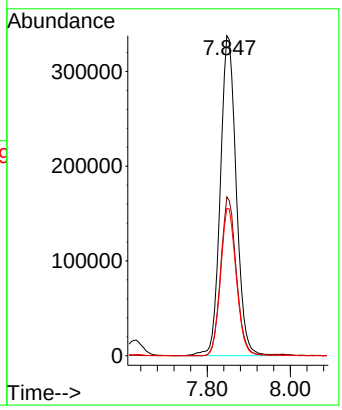


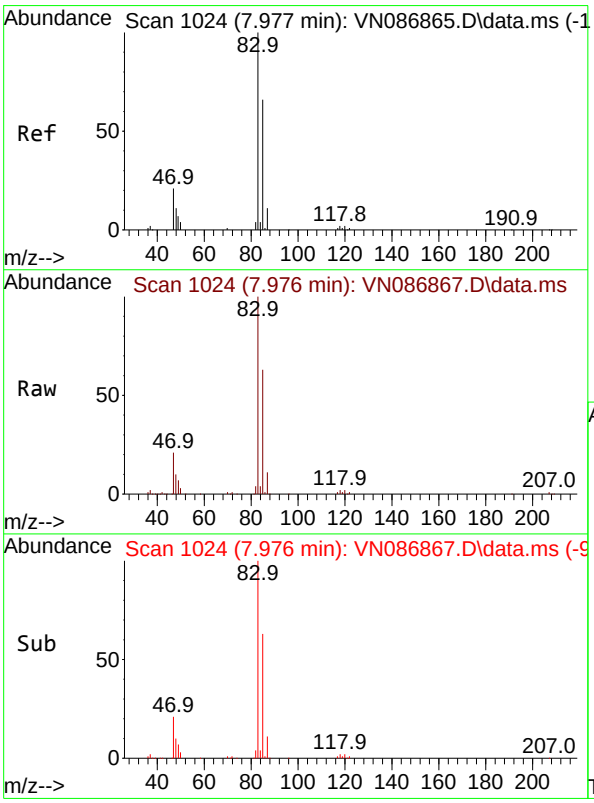
#29
Tetrahydrofuran
Concen: 691.211 ug/l
RT: 7.847 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 898159

Ion	Ratio	Lower	Upper
42	100		
72	48.5	37.8	56.6
71	45.4	35.6	53.4

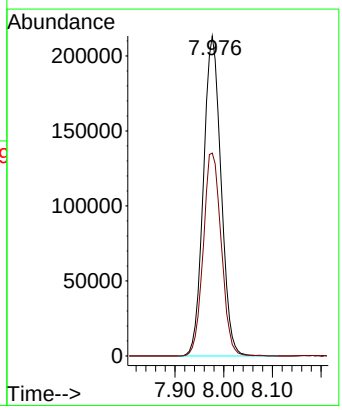


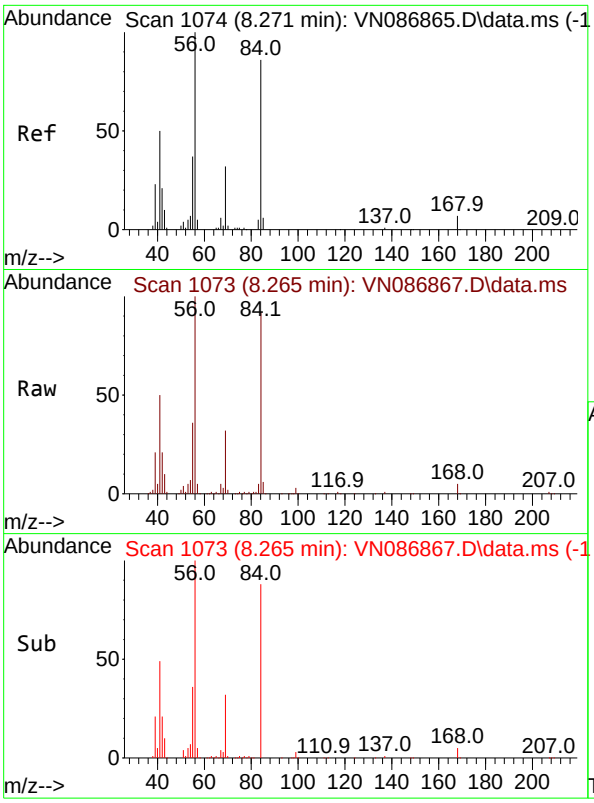


#30
Chloroform
Concen: 138.179 ug/l
RT: 7.976 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 83 Resp: 534038

Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.9	79.3



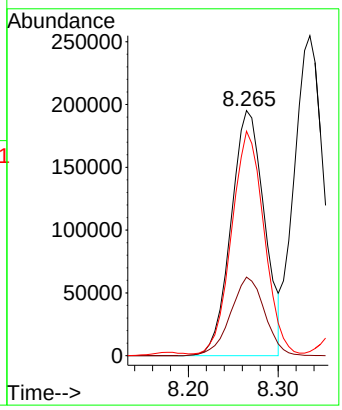


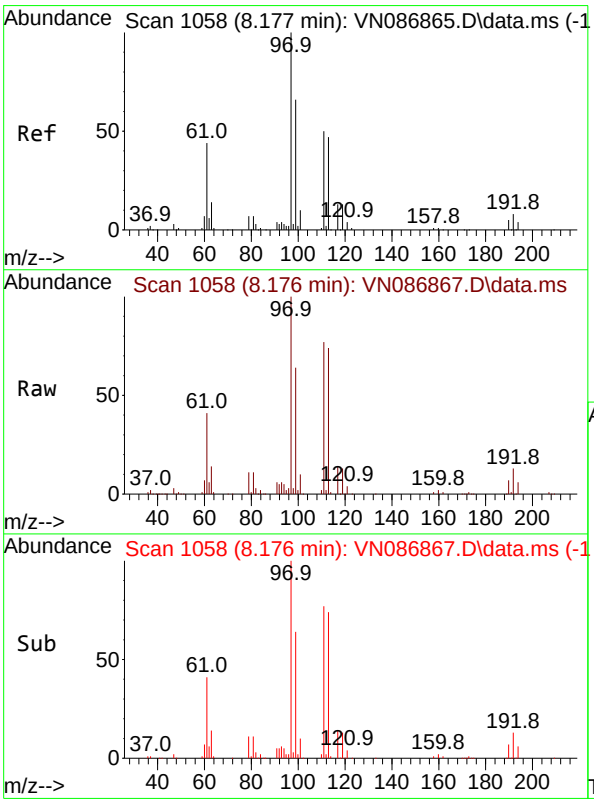
#31
Cyclohexane
Concen: 134.766 ug/l
RT: 8.265 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 505795

Ion	Ratio	Lower	Upper
56	100		
69	32.0	25.4	38.0
84	90.6	68.8	103.2

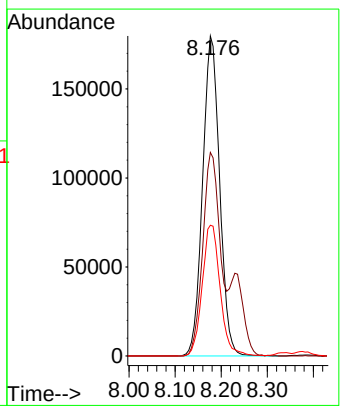


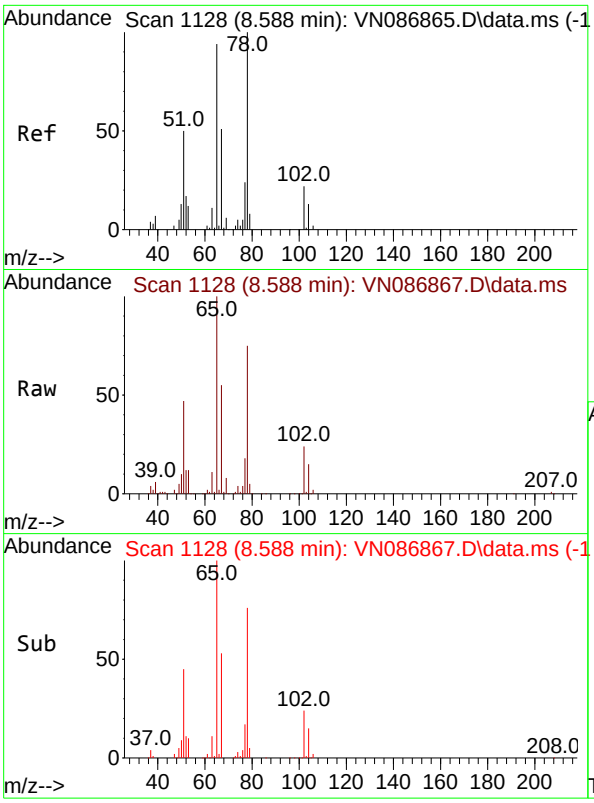


#32
1,1,1-Trichloroethane
Concen: 140.807 ug/l
RT: 8.176 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 97 Resp: 462854

Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.0	78.0
61	43.2	35.9	53.9



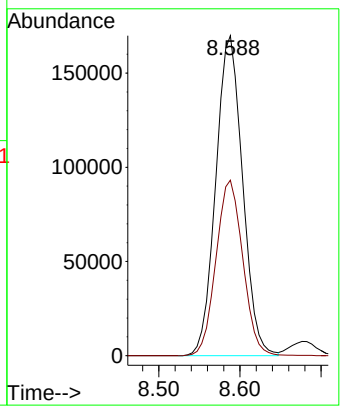


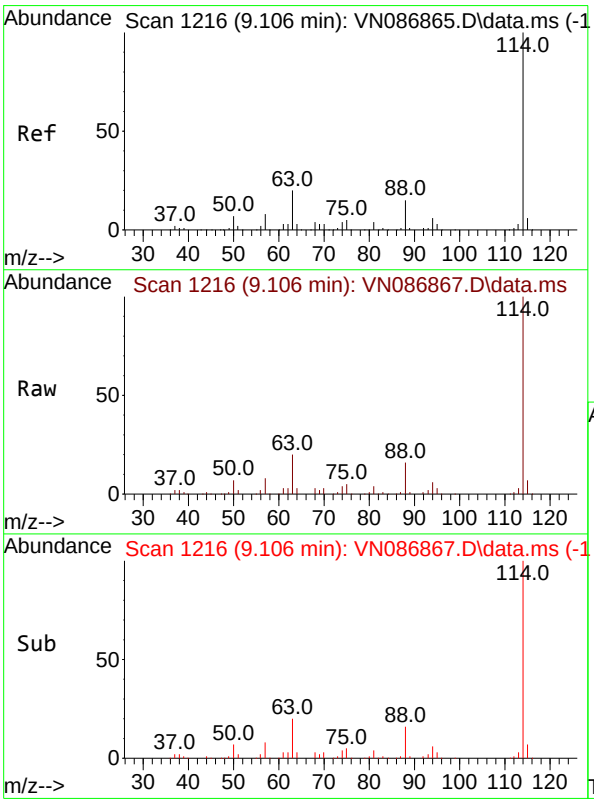
#33
1,2-Dichloroethane-d4
Concen: 168.233 ug/l
RT: 8.588 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 389297

Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	105.6

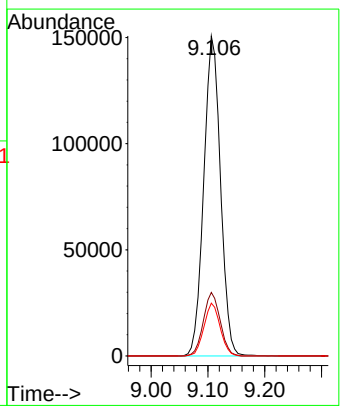


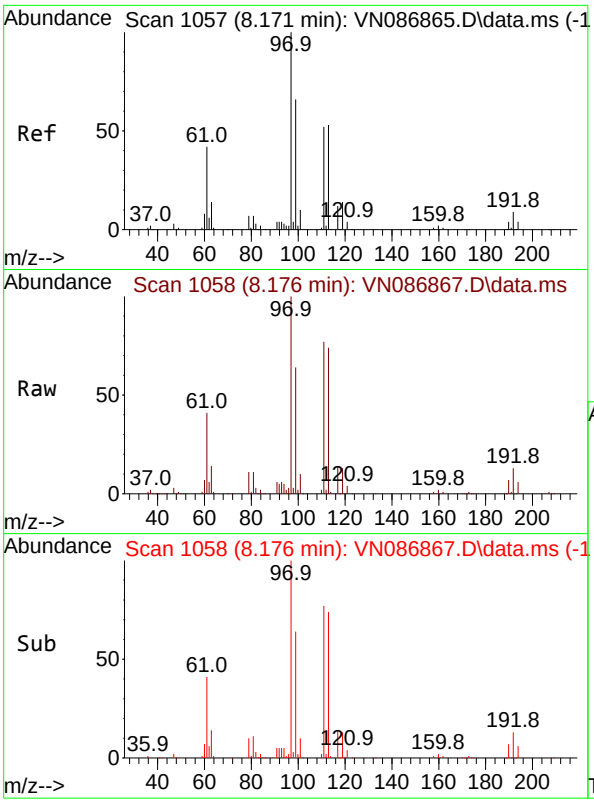


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:114 Resp: 307937

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.6
88	16.5	0.0	30.2



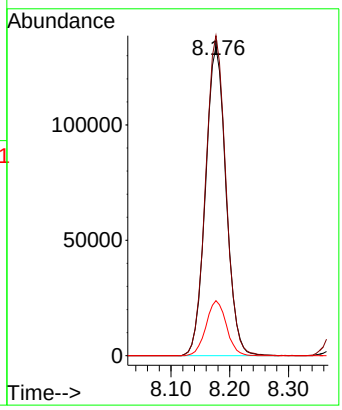


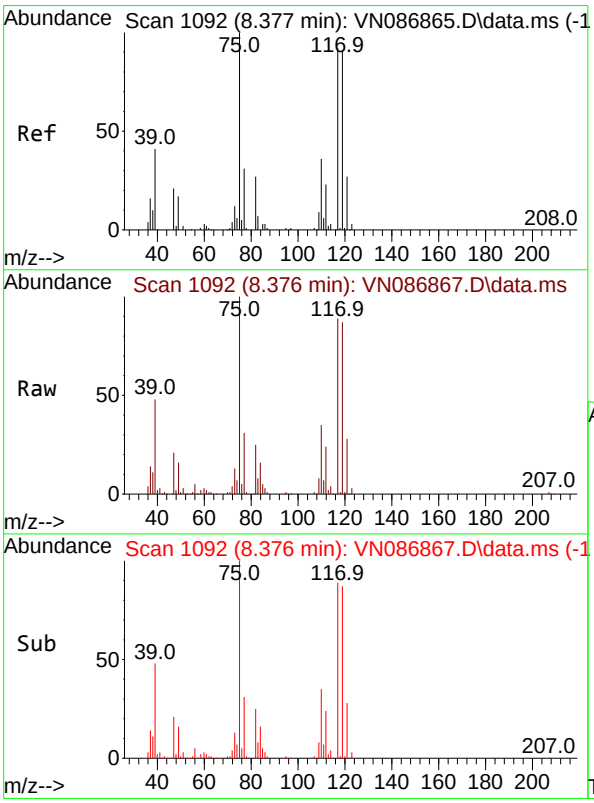
#35
Dibromofluoromethane
Concen: 177.803 ug/l
RT: 8.176 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 324474

Ion	Ratio	Lower	Upper
113	100		
111	102.5	84.2	126.2
192	17.7	14.2	21.4

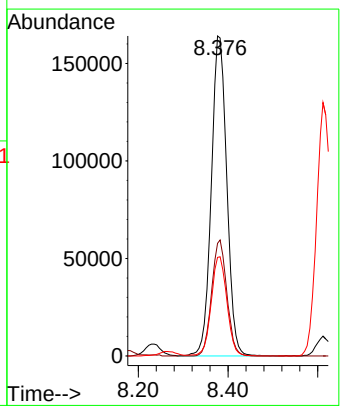


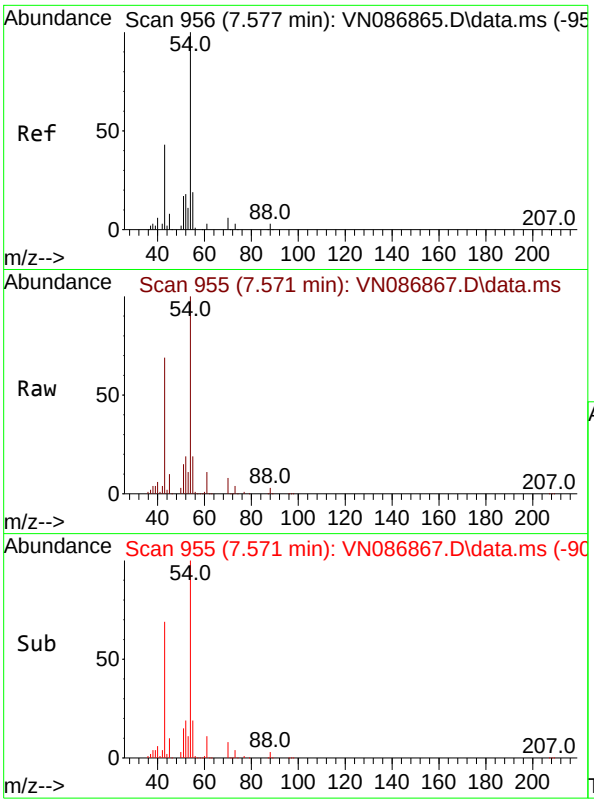


#36
1,1-Dichloropropene
Concen: 144.584 ug/l
RT: 8.376 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 75 Resp: 393166

Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.6	52.9
77	31.4	25.3	37.9



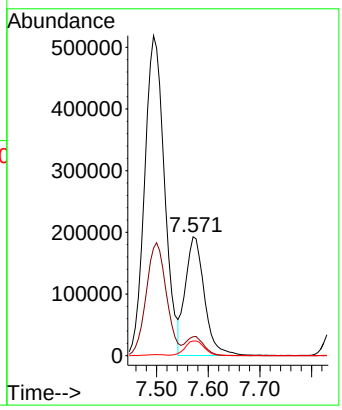


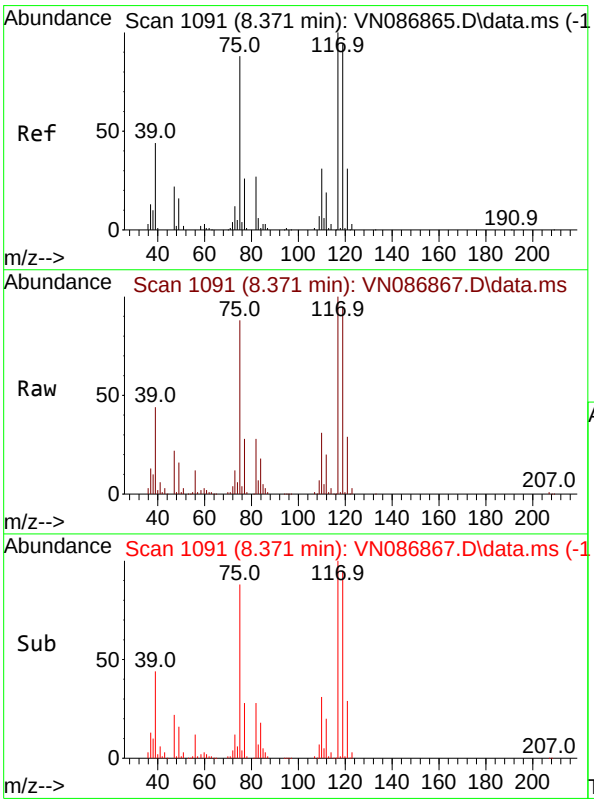
#37
Ethyl Acetate
Concen: 142.706 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 494000

Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.1	18.1
70	12.7	9.8	14.6

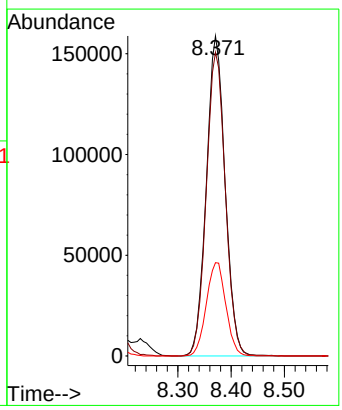


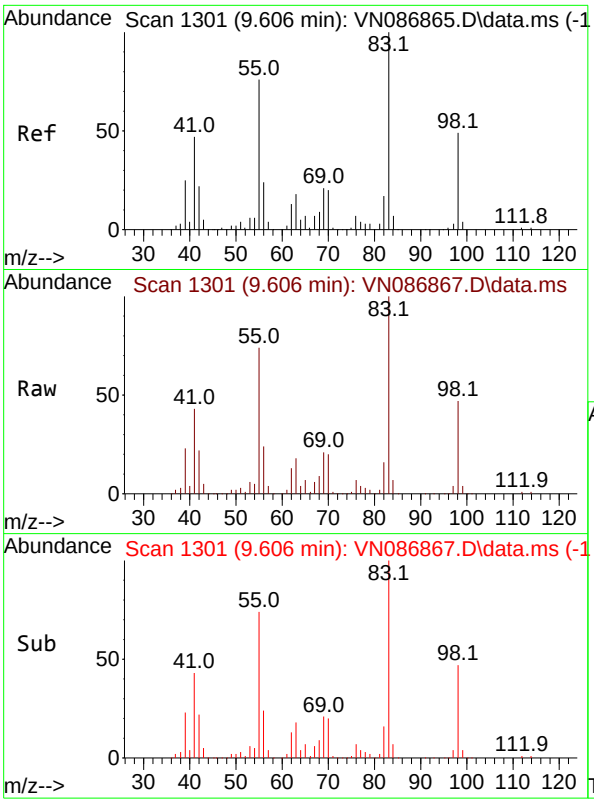


#38
Carbon Tetrachloride
Concen: 145.557 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:117 Resp: 388595

Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.0	112.6
121	29.1	24.9	37.3



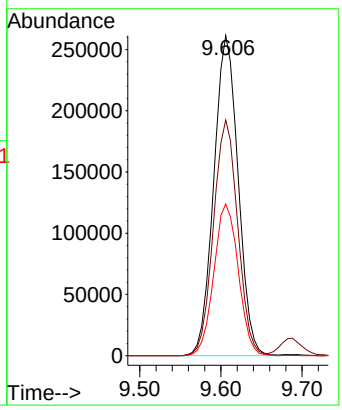


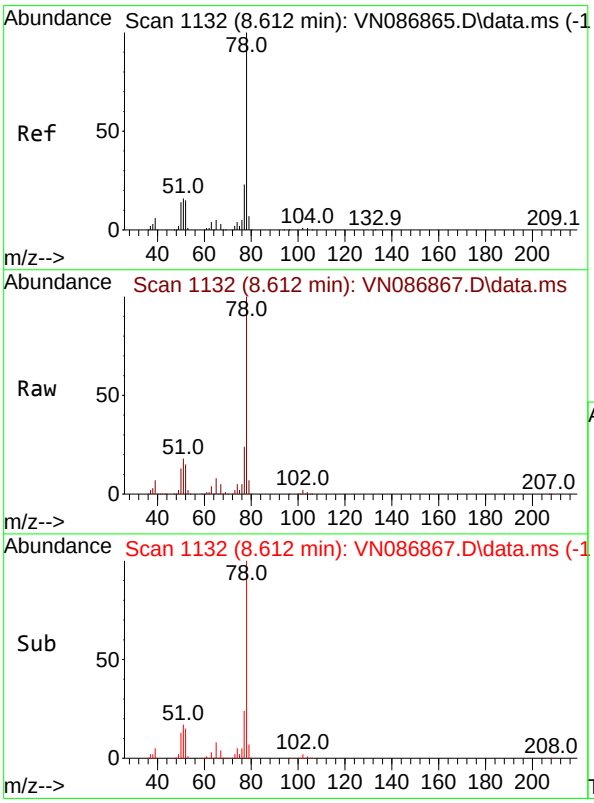
#39
Methylcyclohexane
Concen: 146.136 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 544437

Ion	Ratio	Lower	Upper
83	100		
55	73.6	61.0	91.6
98	47.4	38.9	58.3

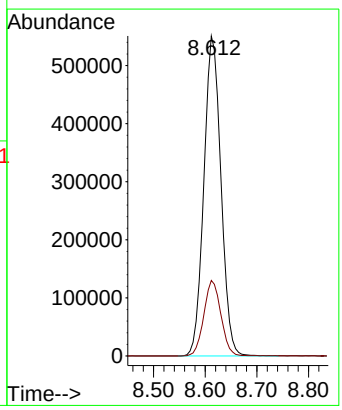


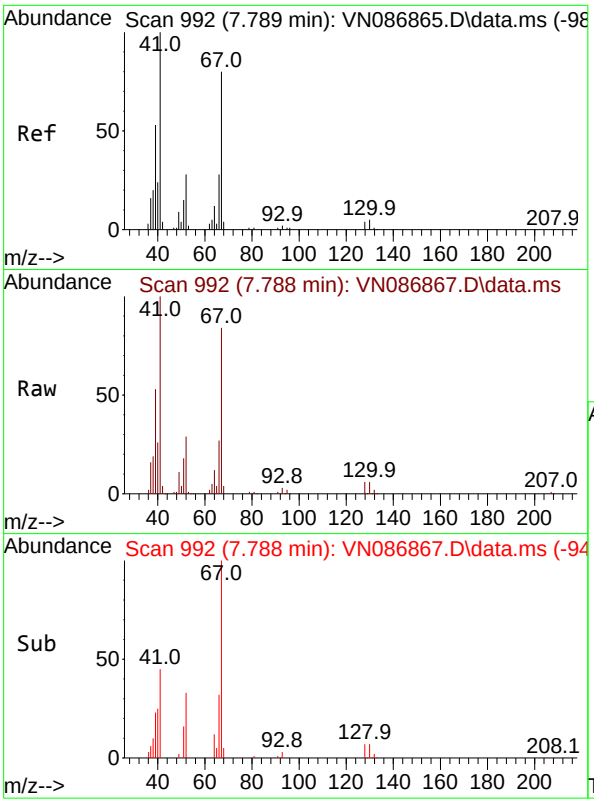


#40
Benzene
Concen: 142.388 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 78 Resp: 1266139

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.7	28.1



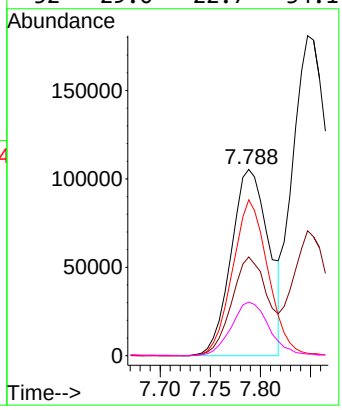


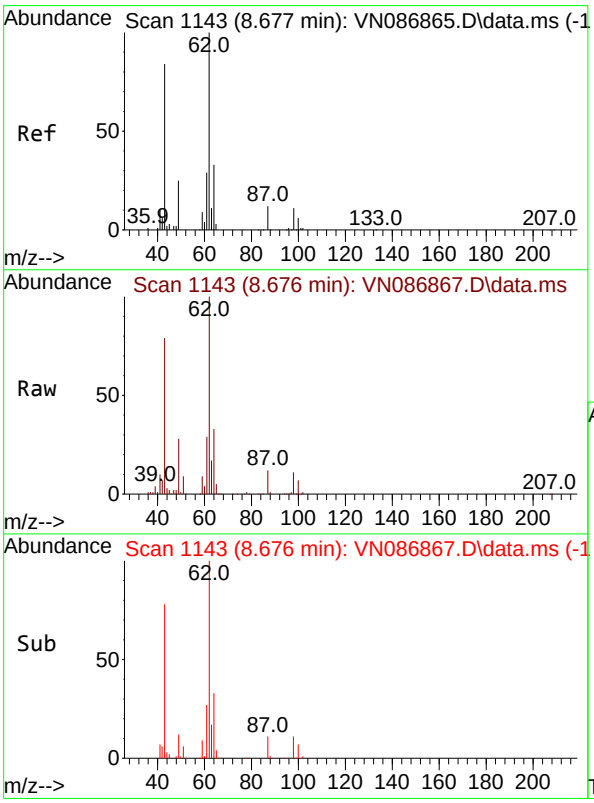
#41
Methacrylonitrile
Concen: 142.174 ug/l
RT: 7.788 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 276400

Ion	Ratio	Lower	Upper
41	100		
39	50.9	41.2	61.8
67	79.4	61.4	92.2
52	29.0	22.7	34.1

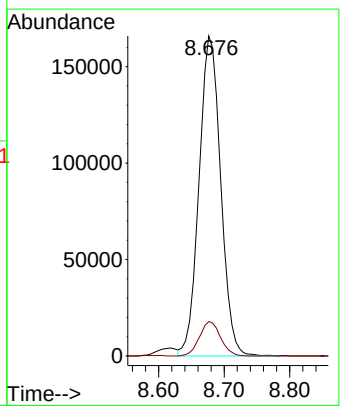


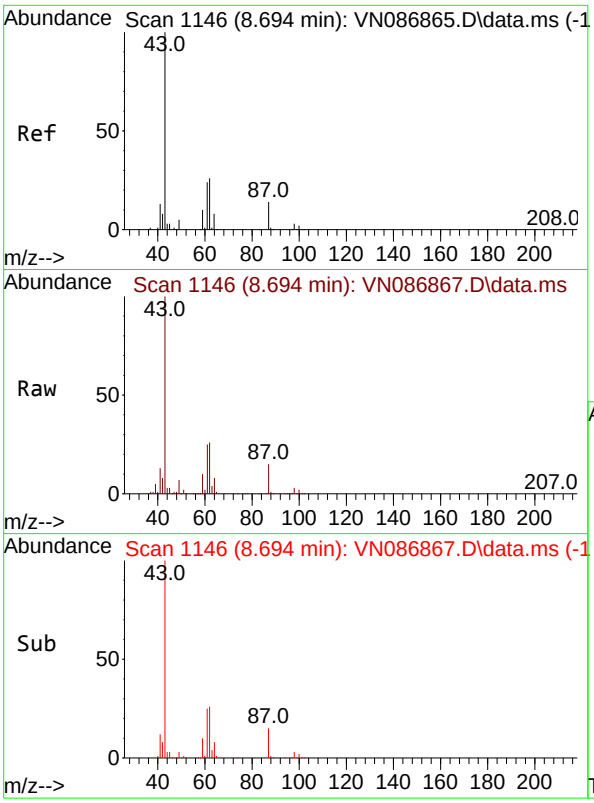


#42
1,2-Dichloroethane
Concen: 141.455 ug/l
RT: 8.676 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 62 Resp: 381516

Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.2



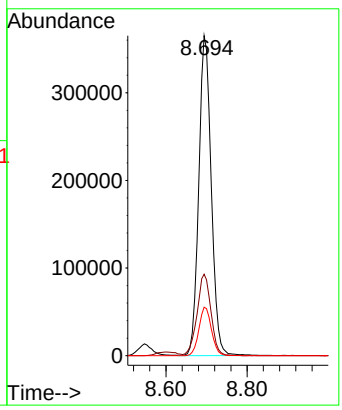


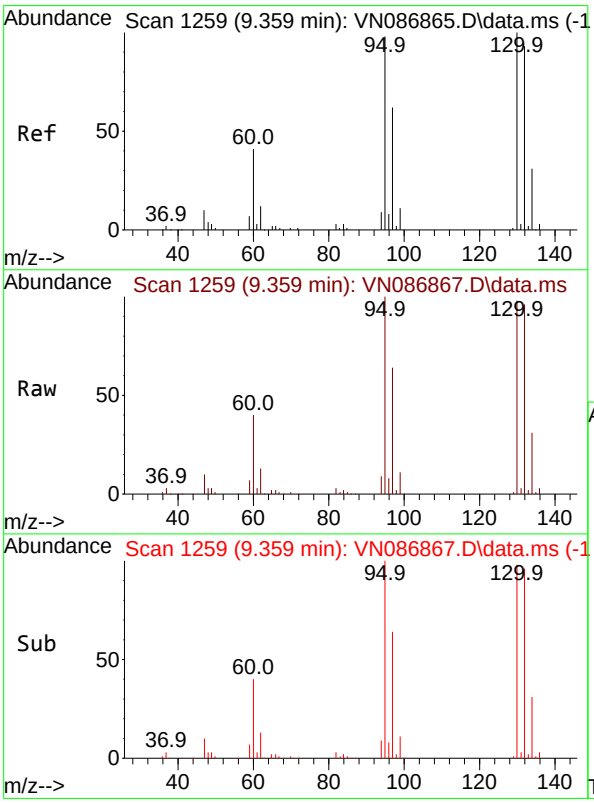
#43
Isopropyl Acetate
Concen: 140.531 ug/l
RT: 8.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 780791

Ion	Ratio	Lower	Upper
43	100		
61	28.3	22.1	33.1
87	15.3	11.8	17.6

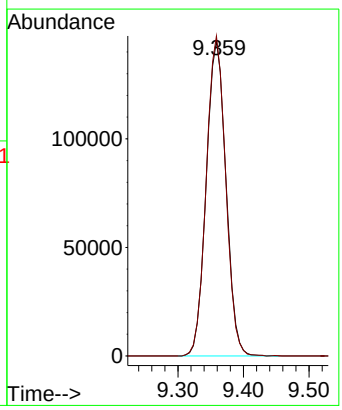


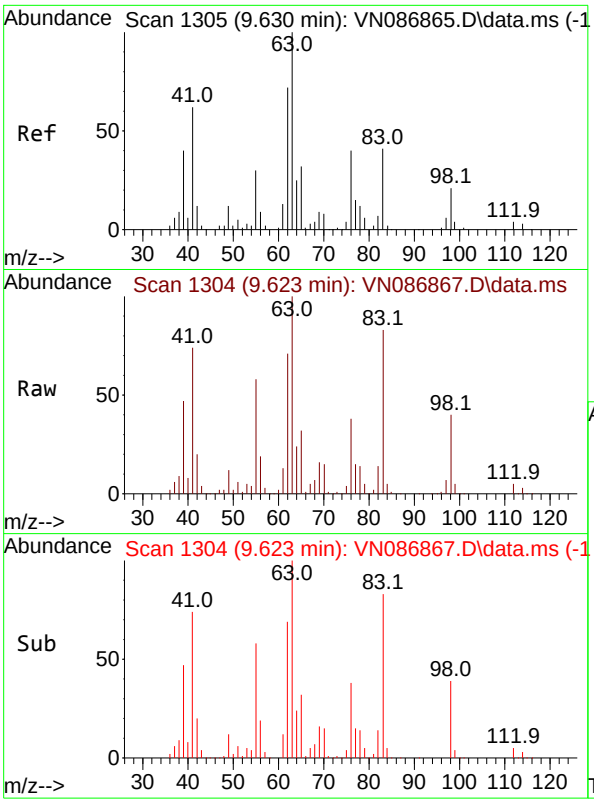


#44
Trichloroethene
Concen: 143.490 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:130 Resp: 302548

Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	196.2



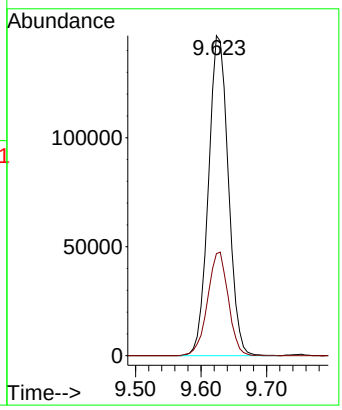


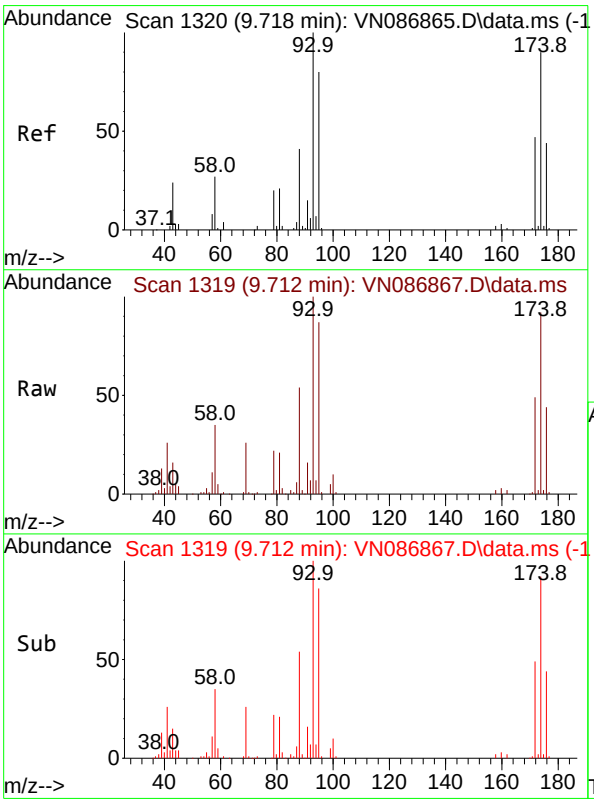
#45
1,2-Dichloropropane
Concen: 142.856 ug/l
RT: 9.623 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 309047

Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.5	38.3

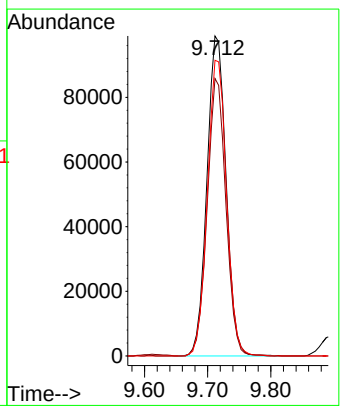


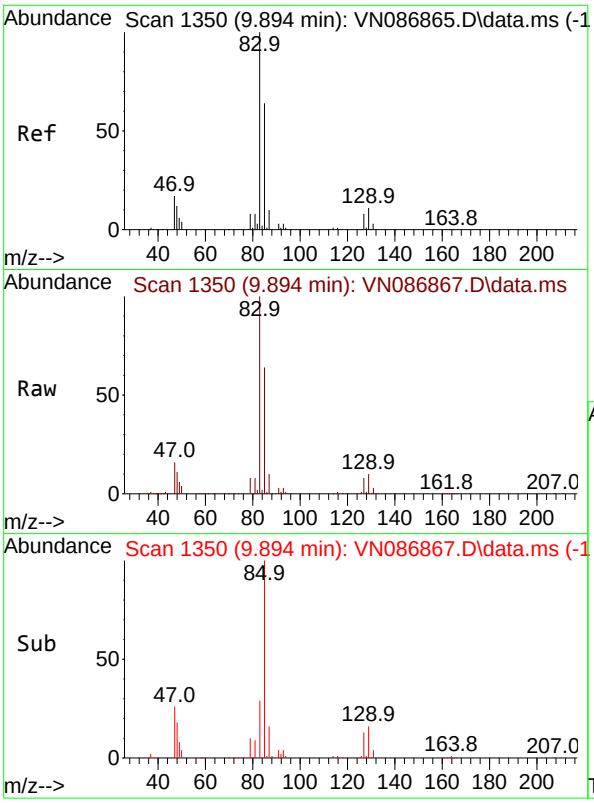


#46
Dibromomethane
Concen: 145.074 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 93 Resp: 208461

Ion	Ratio	Lower	Upper
93	100		
95	84.8	67.1	100.7
174	92.8	74.2	111.4



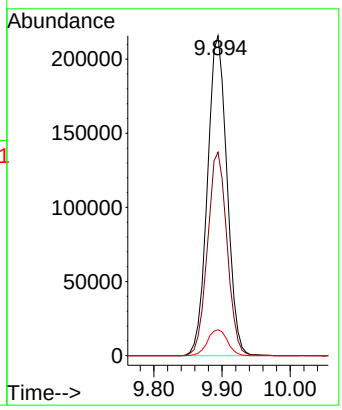


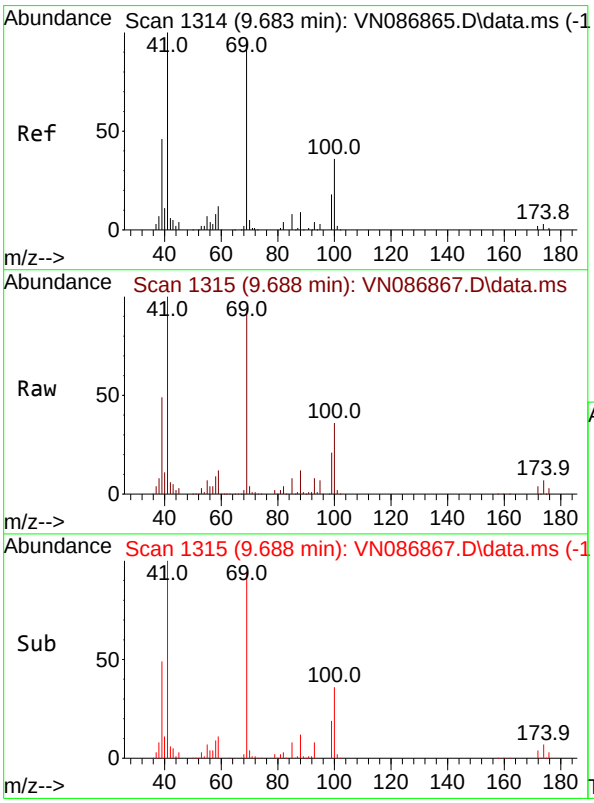
#47
Bromodichloromethane
Concen: 145.449 ug/l
RT: 9.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 430011

Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3
127	8.1	6.6	10.0

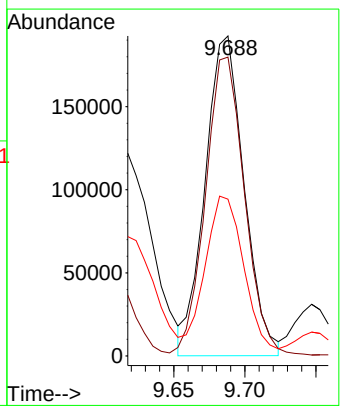


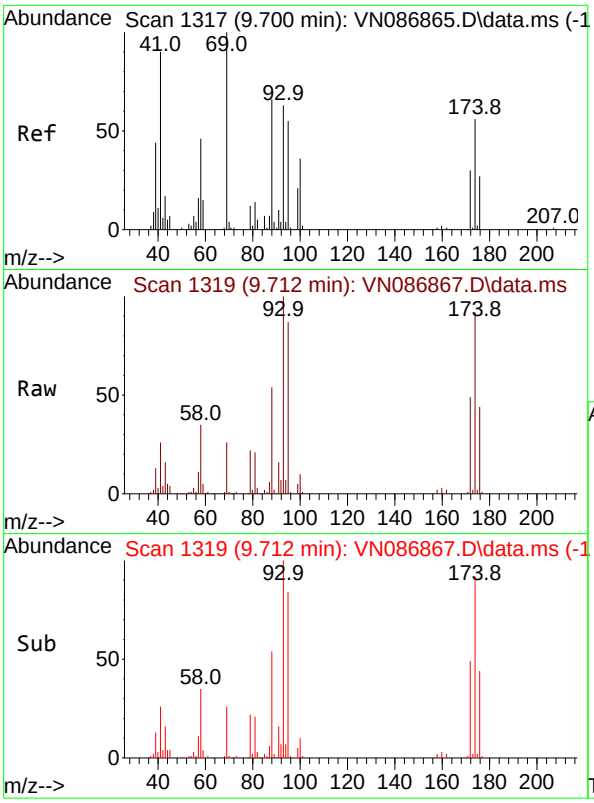


#48
Methyl methacrylate
Concen: 143.502 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 41 Resp: 366967

Ion	Ratio	Lower	Upper
41	100		
69	94.2	74.6	112.0
39	50.8	40.2	60.4



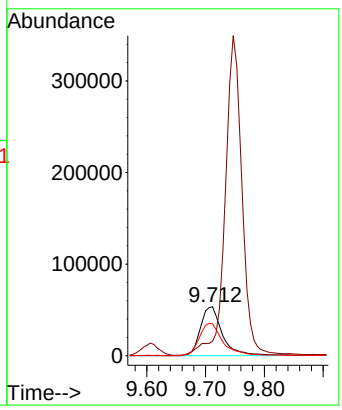


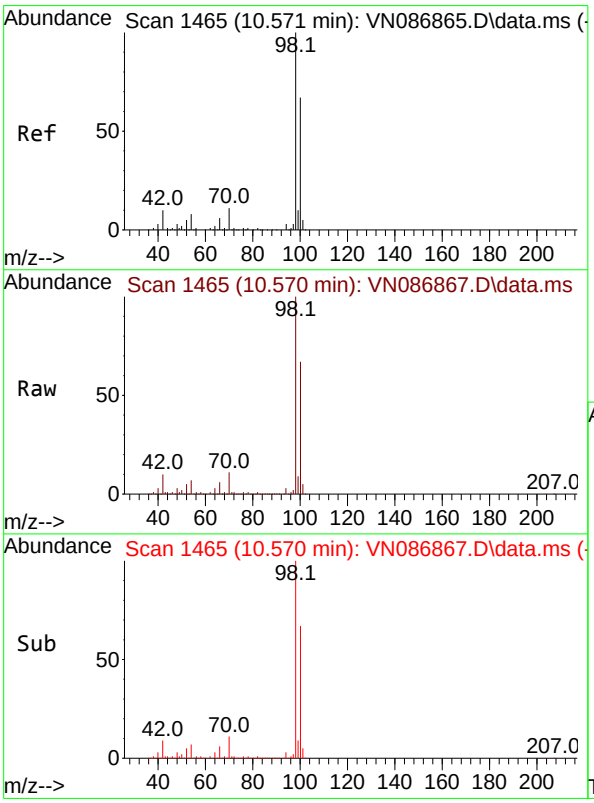
#49
1,4-Dioxane
Concen: 2967.116 ug/l
RT: 9.712 min Scan# 1
Delta R.T. 0.011 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 138035

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	72.2	57.7	86.5

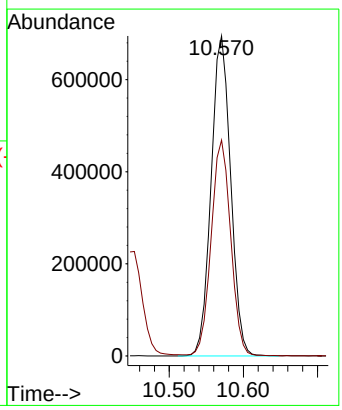


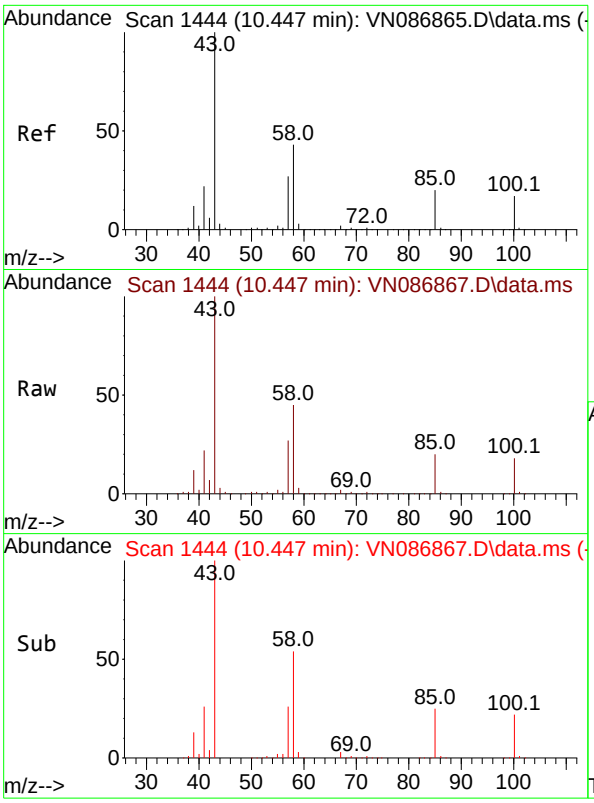


#50
Toluene-d8
Concen: 176.120 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 98 Resp: 1272348

Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.4	80.0



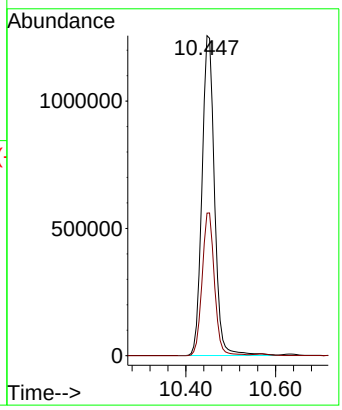


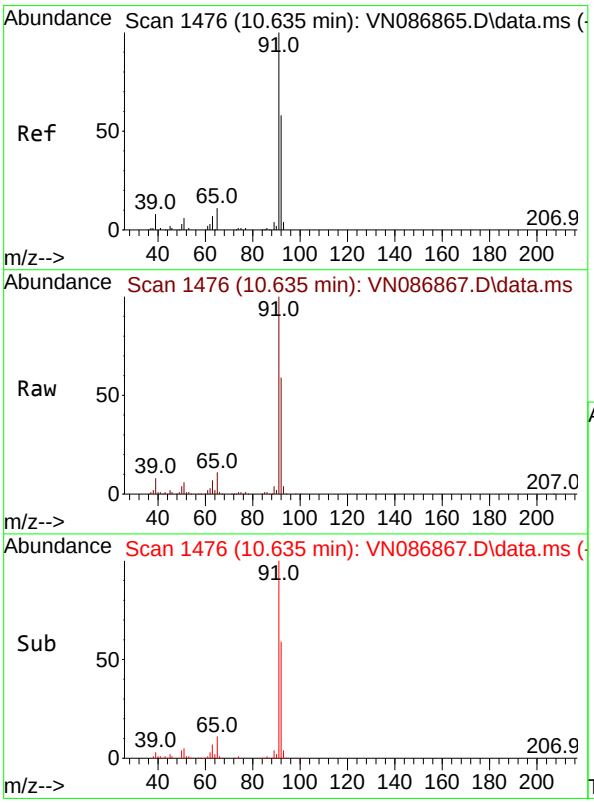
#51
4-Methyl-2-Pentanone
Concen: 728.995 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 2438311

Ion	Ratio	Lower	Upper
43	100		
58	44.0	34.2	51.4

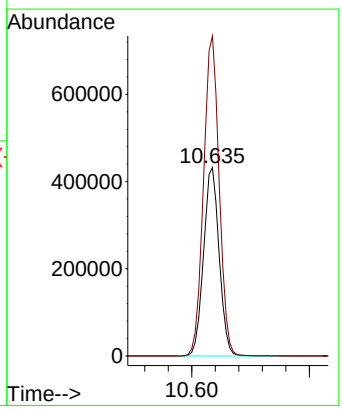


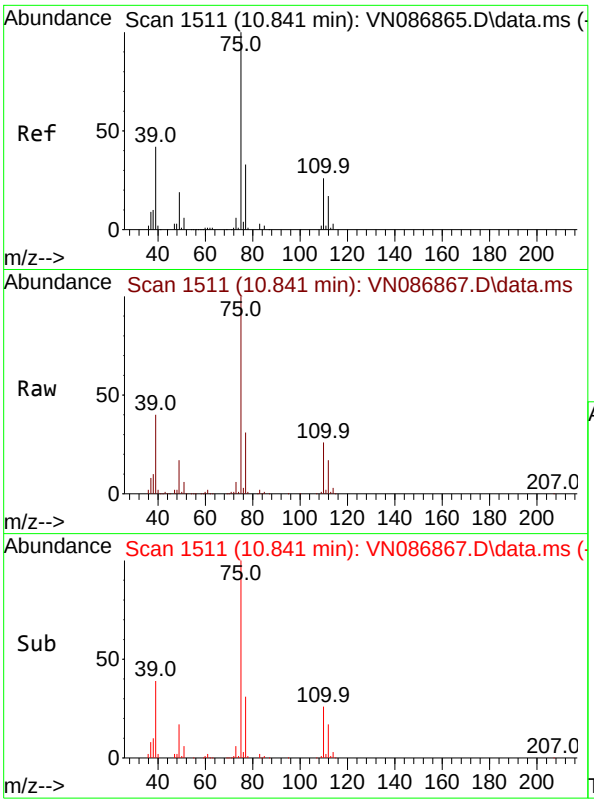


#52
Toluene
Concen: 145.976 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 92 Resp: 793270

Ion	Ratio	Lower	Upper
92	100		
91	170.2	136.5	204.7



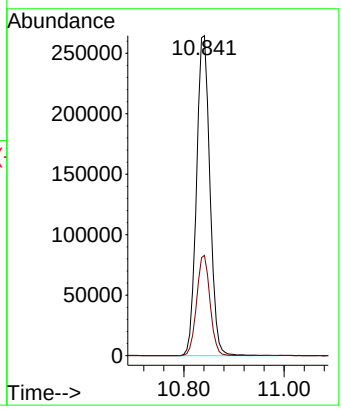


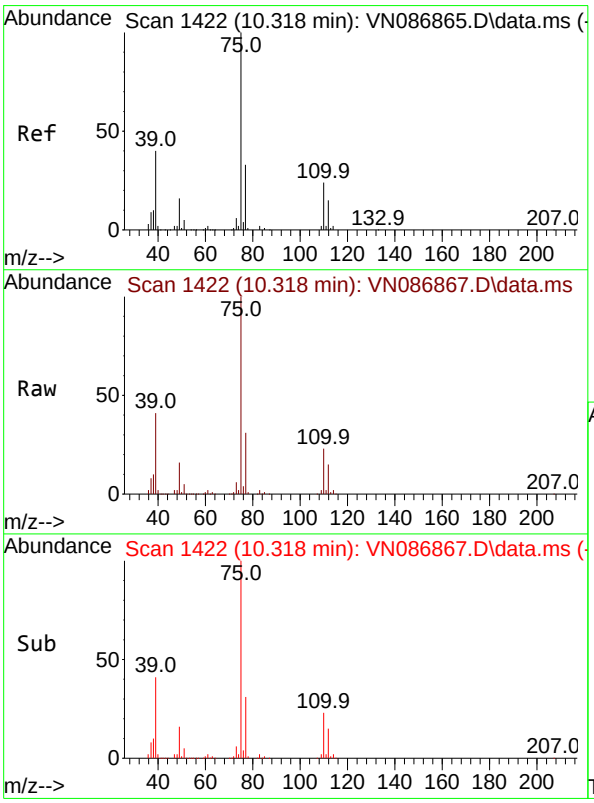
#53
t-1,3-Dichloropropene
Concen: 148.163 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 489809

Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.4	39.6

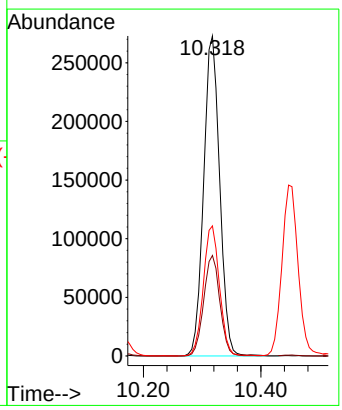


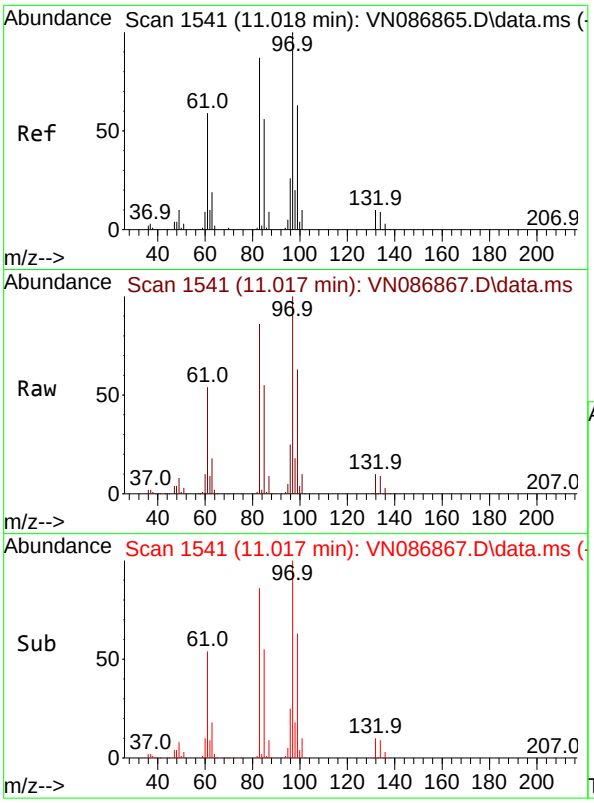


#54
cis-1,3-Dichloropropene
Concen: 146.469 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 75 Resp: 518092

Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.2	39.4
39	40.6	32.3	48.5



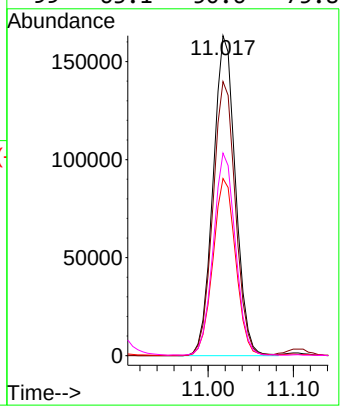


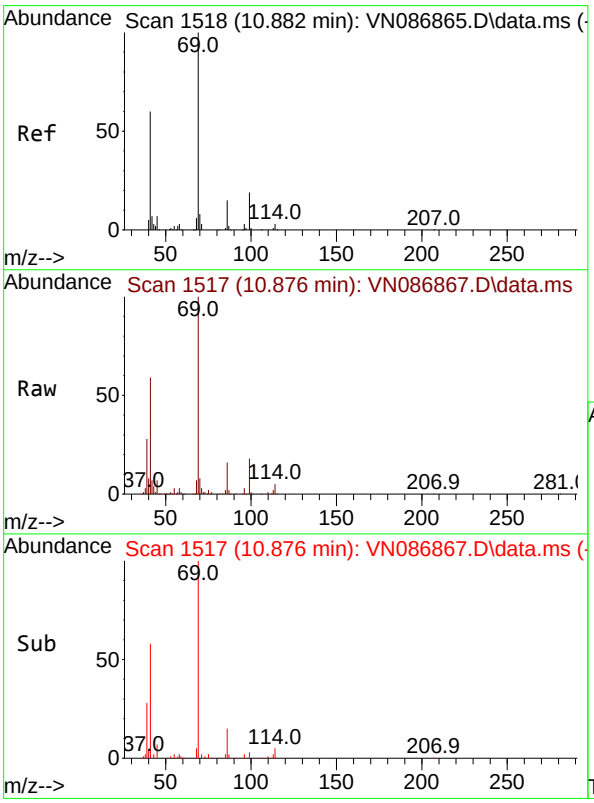
#55
1,1,2-Trichloroethane
Concen: 142.588 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 298151

Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.7	104.5
85	55.2	45.1	67.7
99	63.1	50.6	75.8

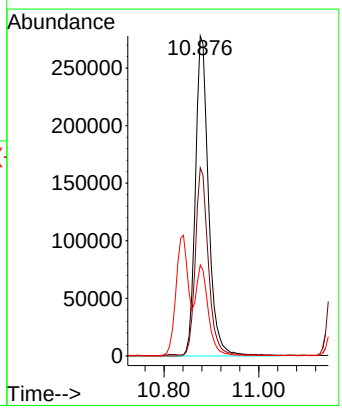


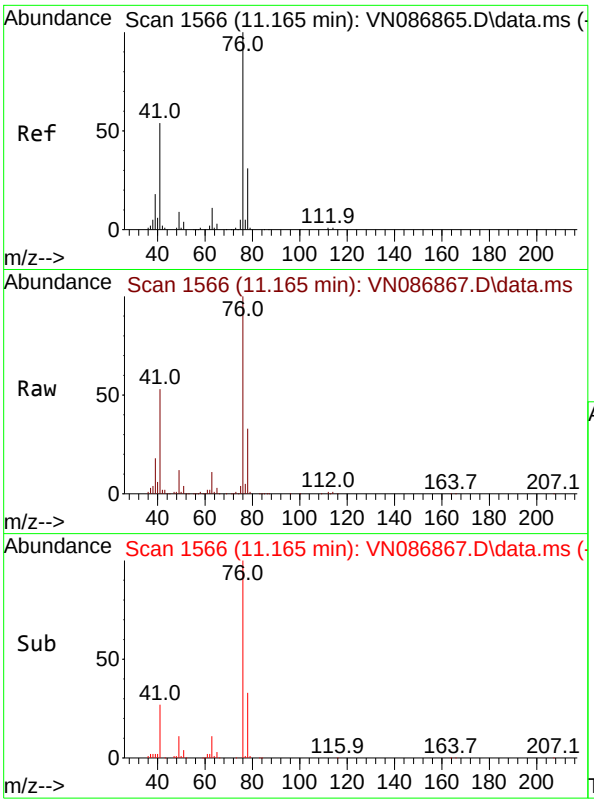


#56
Ethyl methacrylate
Concen: 160.311 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 69 Resp: 533912

Ion	Ratio	Lower	Upper
69	100		
41	57.5	47.2	70.8
39	27.0	23.0	34.6



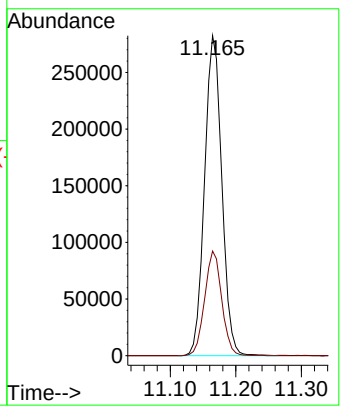


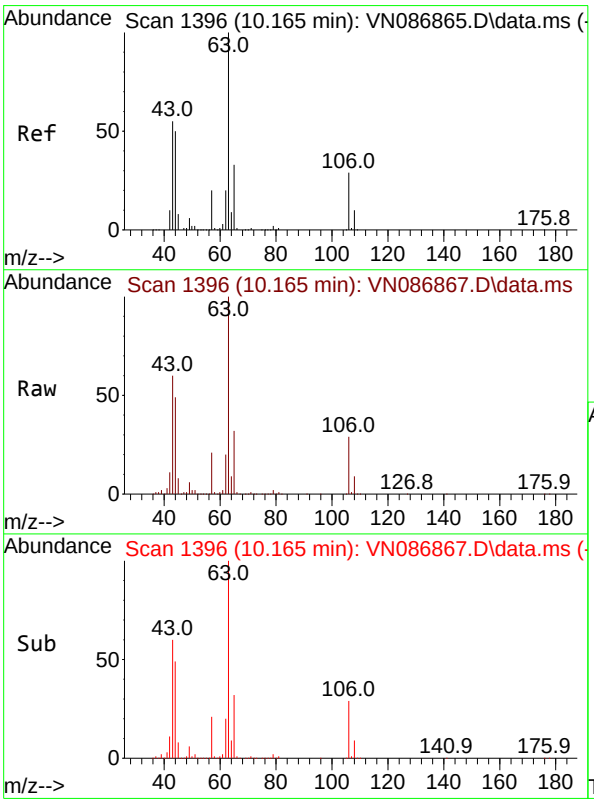
#57
1,3-Dichloropropane
Concen: 142.363 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 516391

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.3	37.9

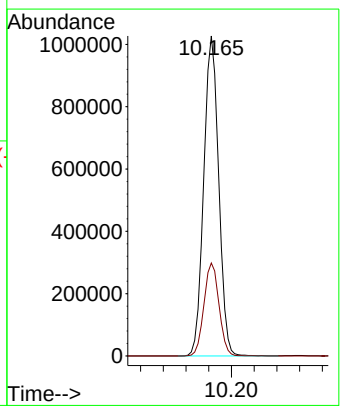


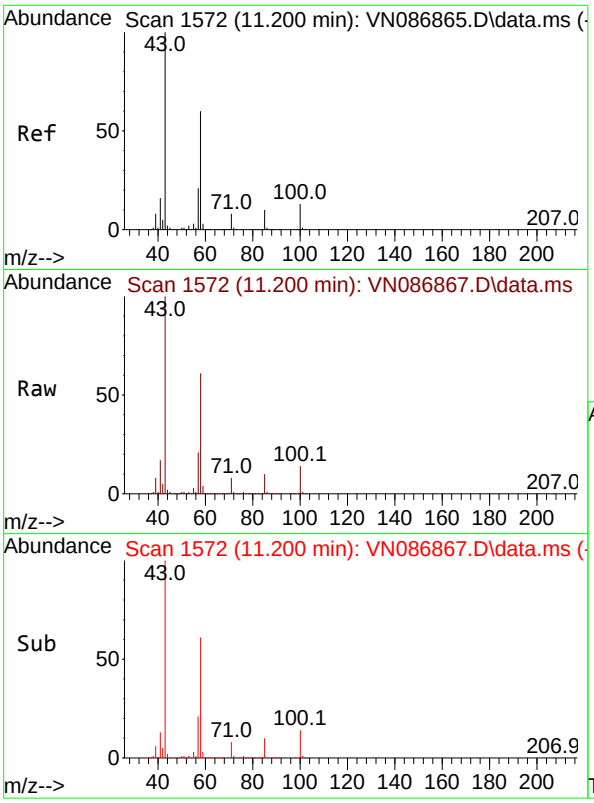


#58
2-Chloroethyl Vinyl ether
Concen: 941.147 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 63 Resp: 1869543

Ion	Ratio	Lower	Upper
63	100		
106	29.2	23.0	34.6



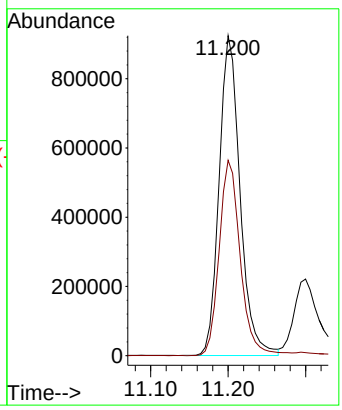


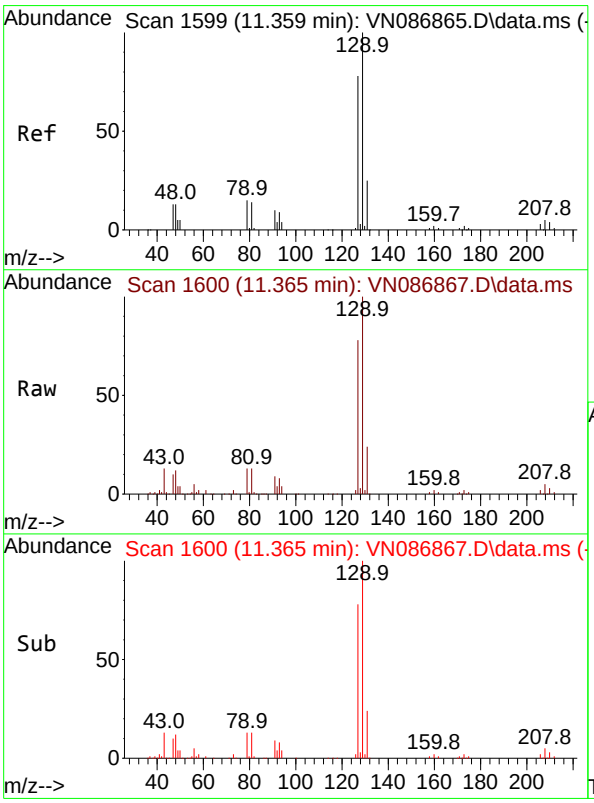
#59
2-Hexanone
Concen: 805.662 ug/l
RT: 11.200 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1735777

Ion	Ratio	Lower	Upper
43	100		
58	61.6	30.4	91.3

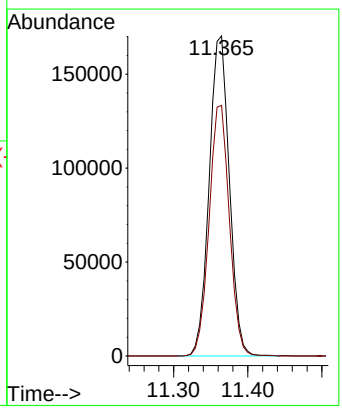


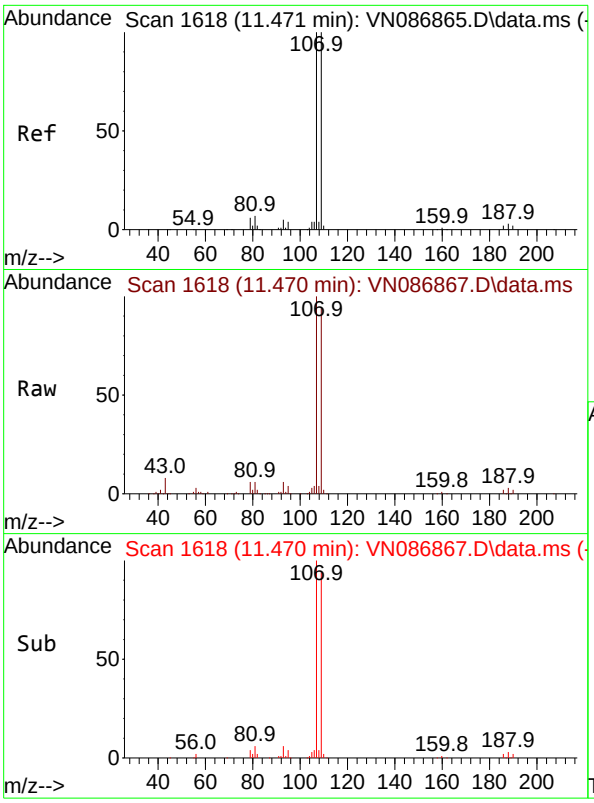


#60
Dibromochloromethane
Concen: 147.832 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:129 Resp: 322064

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.6	115.8



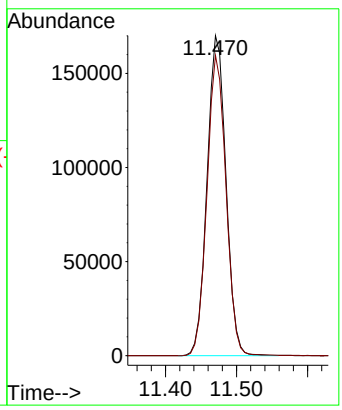


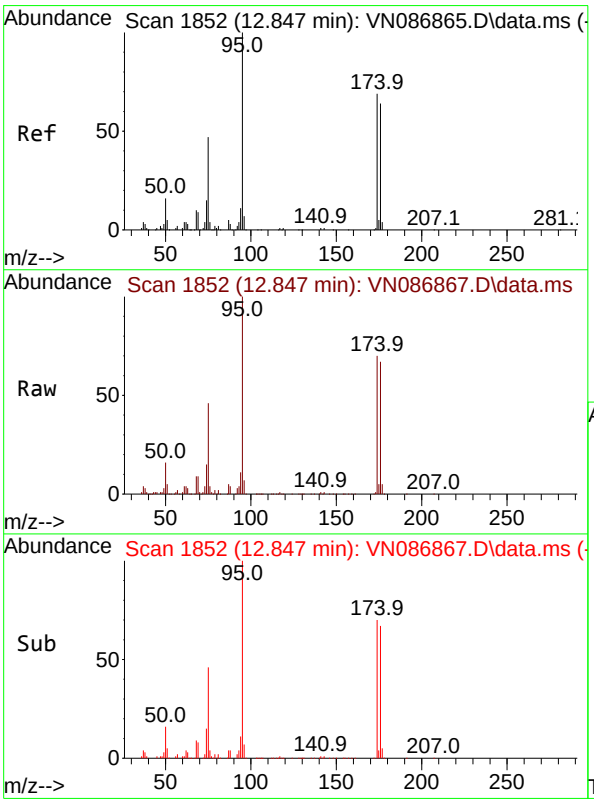
#61
1,2-Dibromoethane
Concen: 146.790 ug/l
RT: 11.470 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 314606

Ion	Ratio	Lower	Upper
107	100		
109	94.0	76.3	114.5

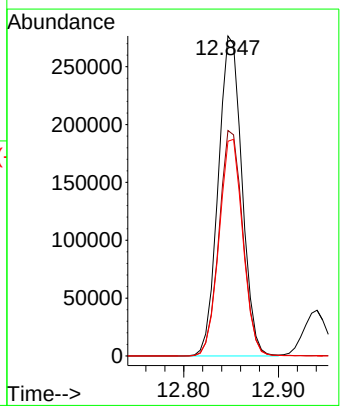


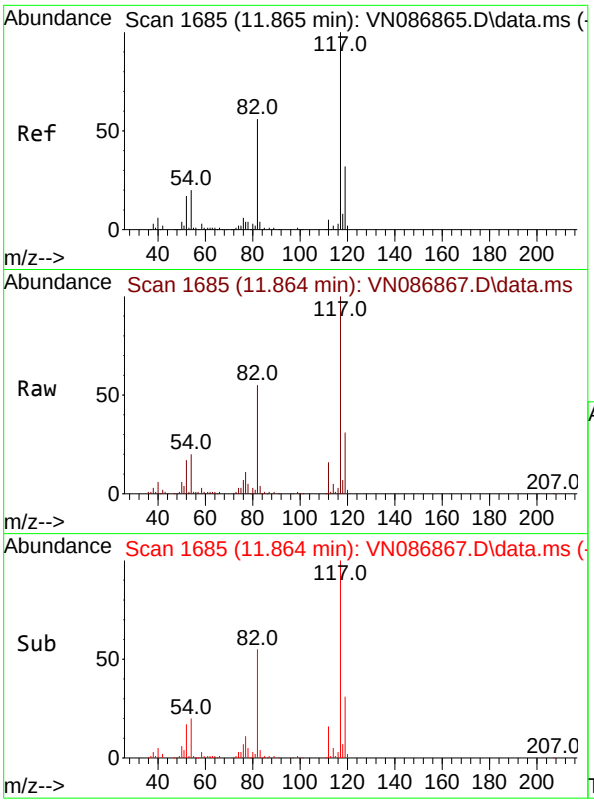


#62
4-Bromofluorobenzene
Concen: 179.364 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 95 Resp: 481421

Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	141.8
176	67.8	0.0	132.6



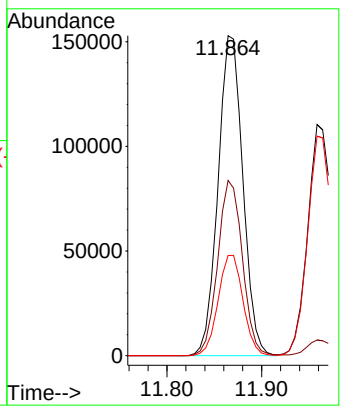


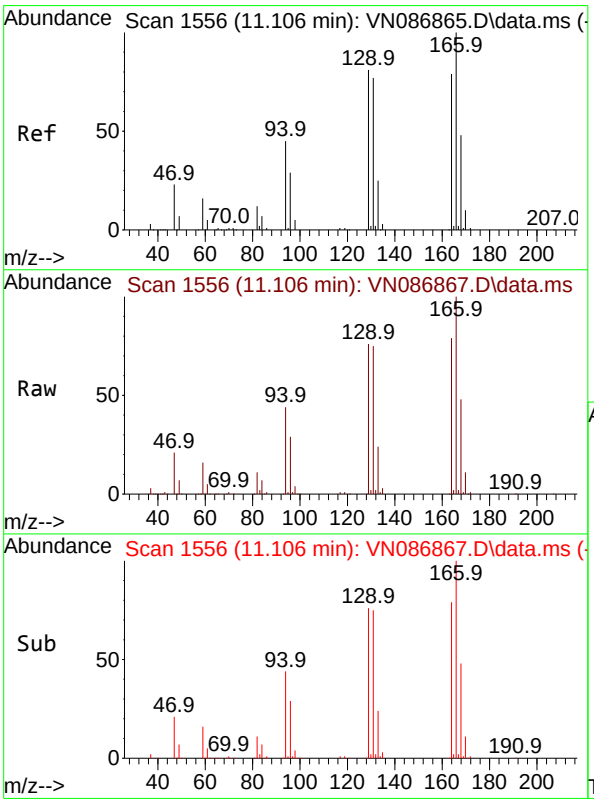
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 278552

Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.6	67.0
119	31.3	25.5	38.3

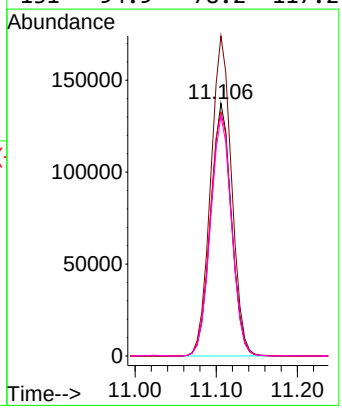


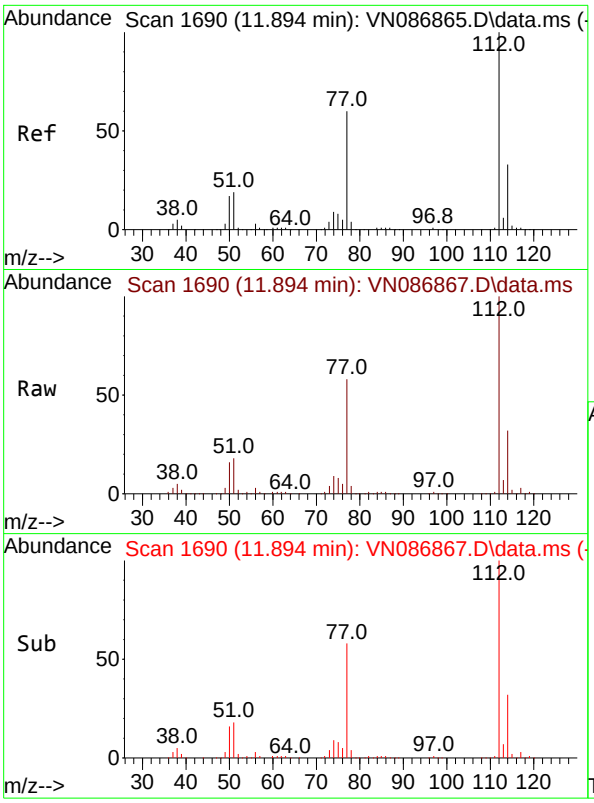


#64
Tetrachloroethene
Concen: 139.048 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:164 Resp: 245122

Ion	Ratio	Lower	Upper
164	100		
166	126.7	101.8	152.8
129	96.6	83.0	124.4
131	94.9	78.2	117.2



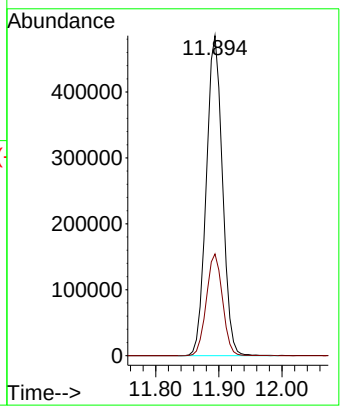


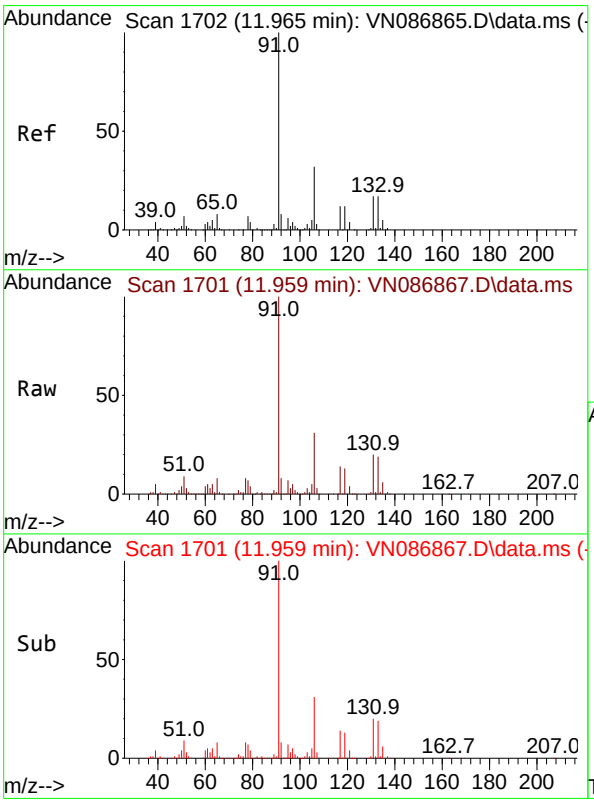
#65
Chlorobenzene
Concen: 140.041 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 860345

Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.2	39.2

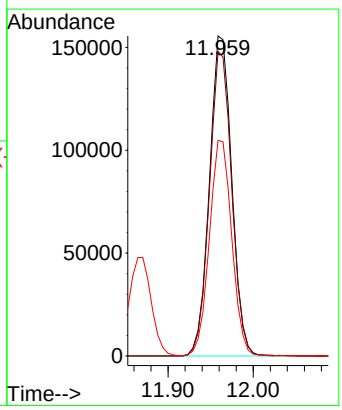


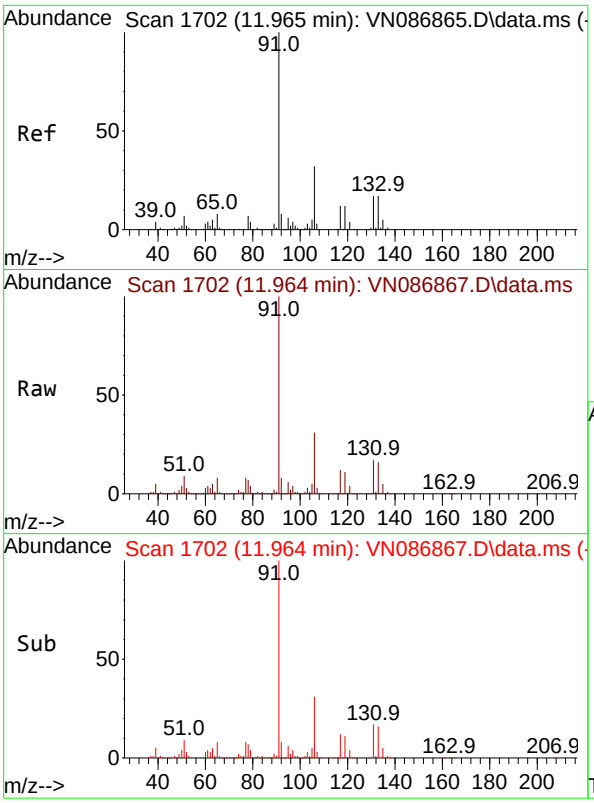


#66
1,1,1,2-Tetrachloroethane
Concen: 143.171 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:131 Resp: 282739

Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.3	144.8
119	67.8	34.0	101.8



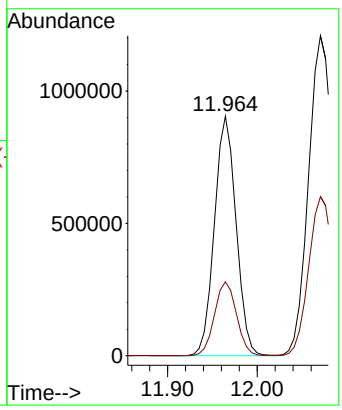


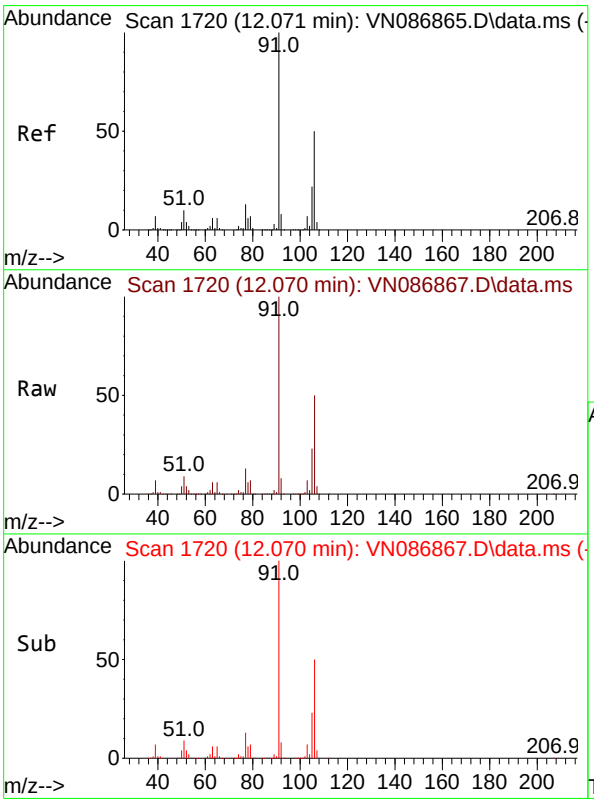
#67
Ethyl Benzene
Concen: 143.438 ug/l
RT: 11.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1517883

Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.4	38.2

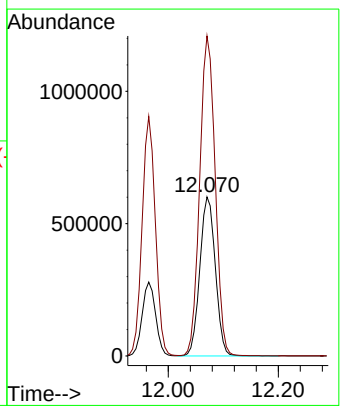


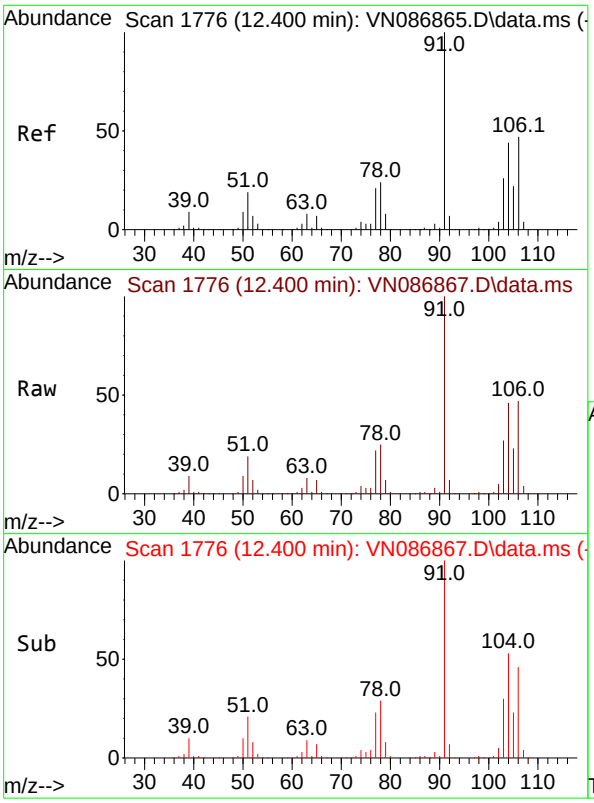


#68
m/p-Xylenes
Concen: 290.155 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:106 Resp: 1175378

Ion	Ratio	Lower	Upper
106	100		
91	200.8	159.4	239.0



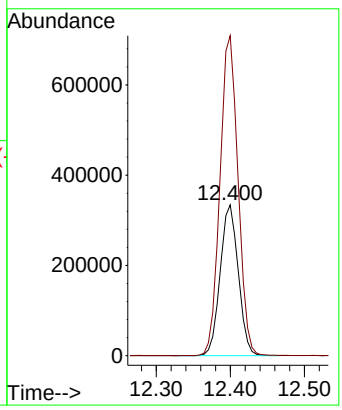


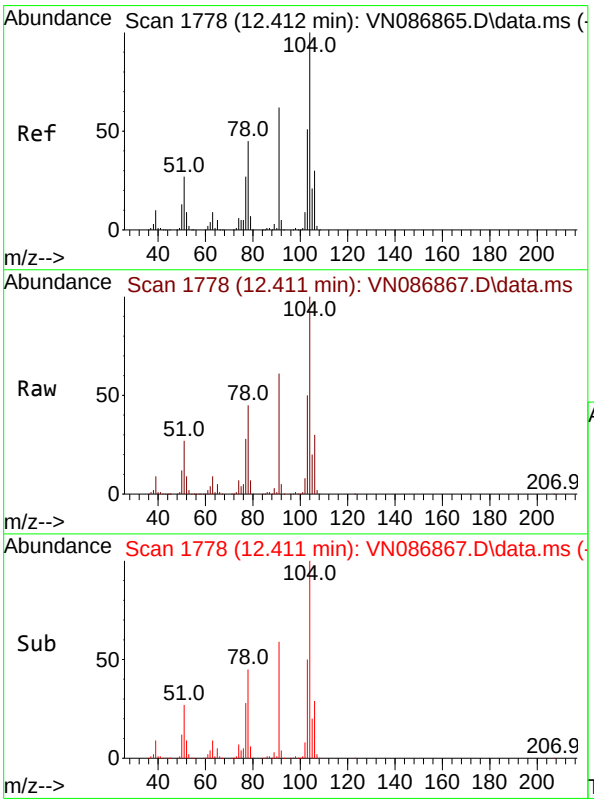
#69
o-Xylene
Concen: 145.966 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 566301

Ion	Ratio	Lower	Upper
106	100		
91	211.9	106.1	318.1

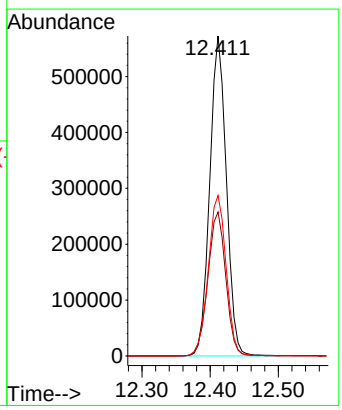


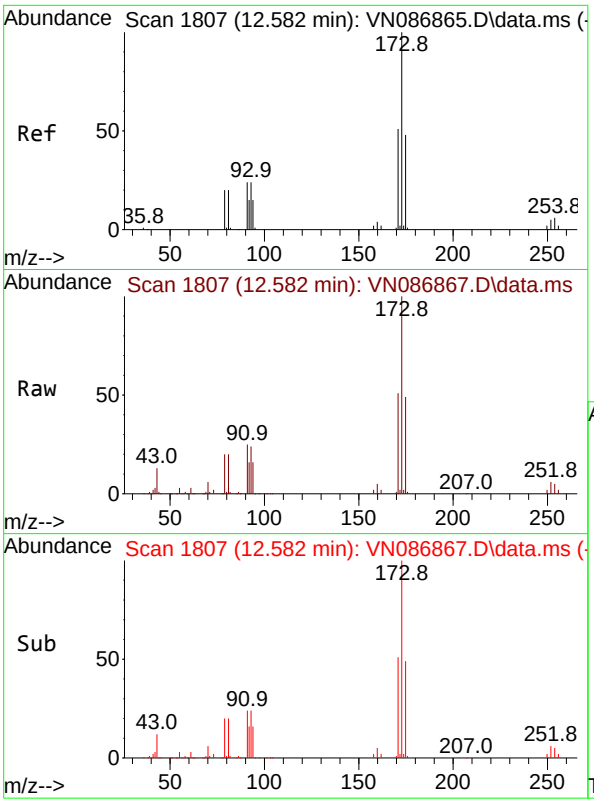


#70
Styrene
Concen: 146.459 ug/l
RT: 12.411 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:104 Resp: 972318

Ion	Ratio	Lower	Upper
104	100		
78	48.4	38.5	57.7
103	54.0	43.1	64.7



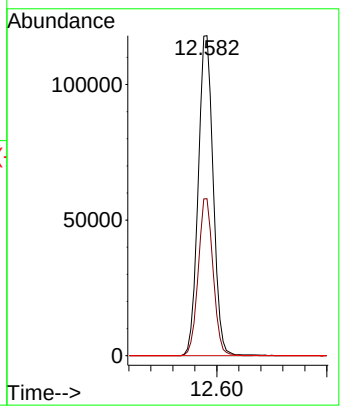


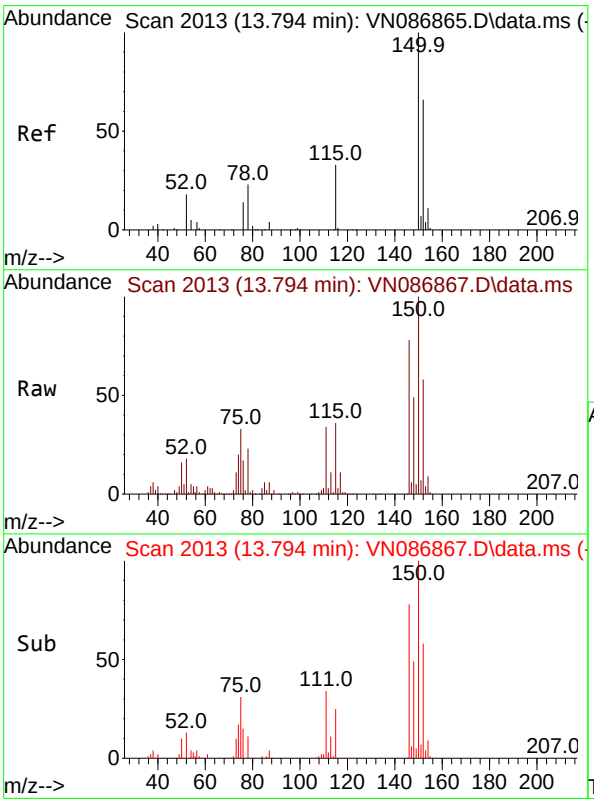
#71
Bromoform
Concen: 152.538 ug/l
RT: 12.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 223200

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.4
254	0.0	0.0	0.0

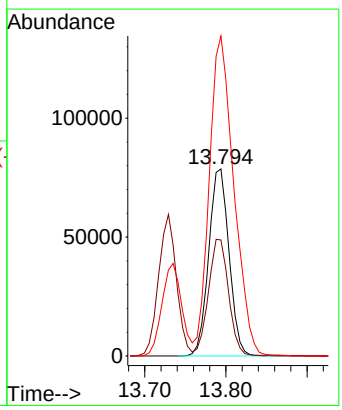


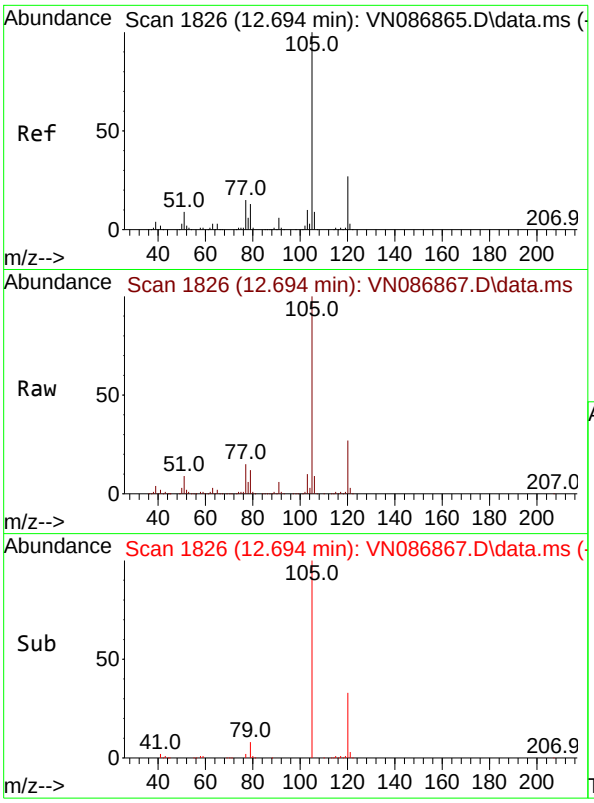


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:152 Resp: 136630

Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.1	90.5
150	206.7	0.0	345.0



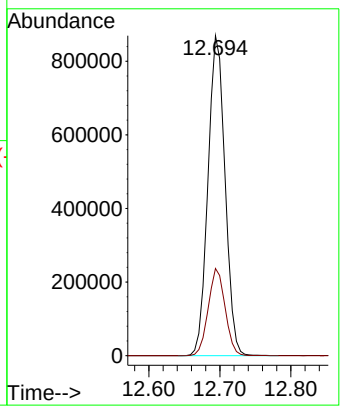


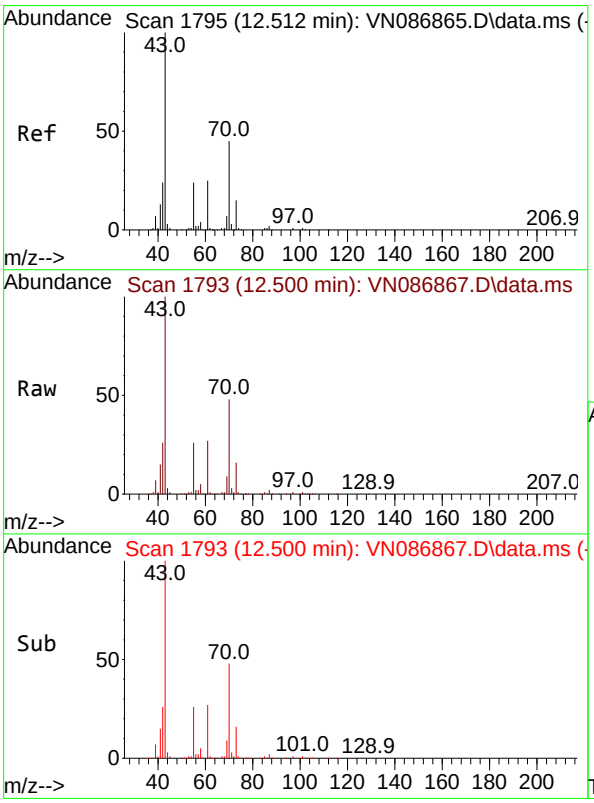
#73
Isopropylbenzene
Concen: 146.042 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1453651

Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.5	40.4

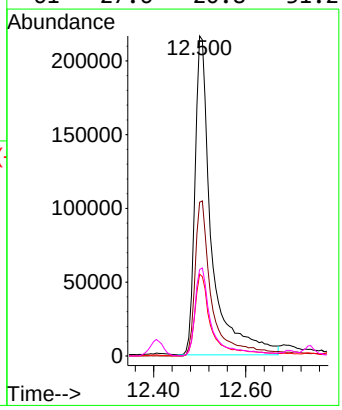


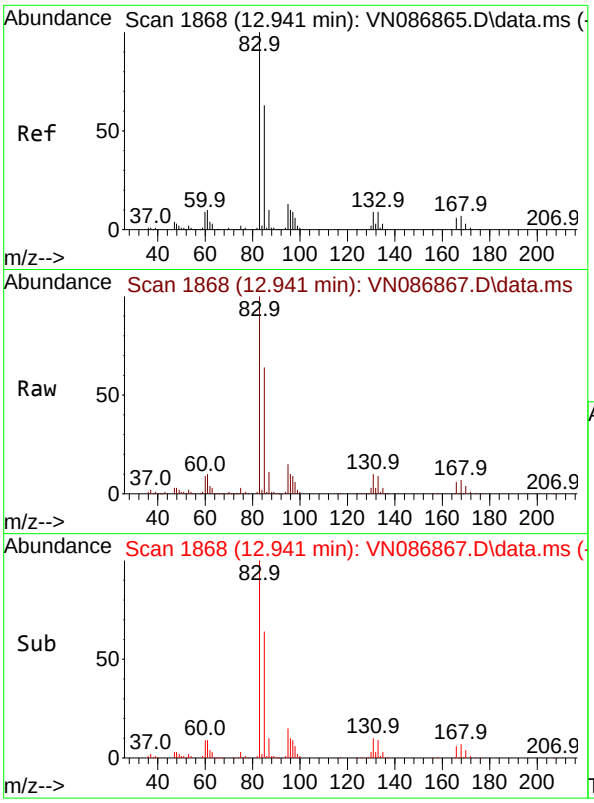


#74
N-amyl acetate
Concen: 164.596 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.012 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 43 Resp: 543747

Ion	Ratio	Lower	Upper
43	100		
70	50.0	37.6	56.4
55	26.1	19.0	28.6
61	27.6	20.8	31.2



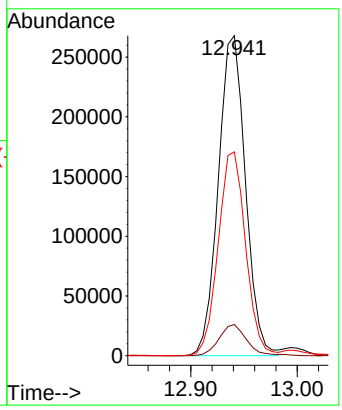


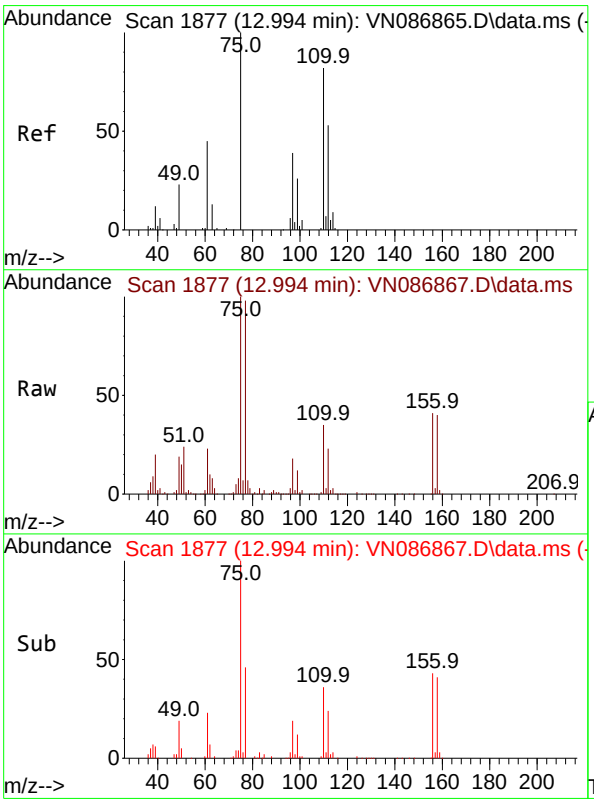
#75
1,1,2,2-Tetrachloroethane
Concen: 140.693 ug/l
RT: 12.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 474426

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.7
85	64.3	32.0	96.0

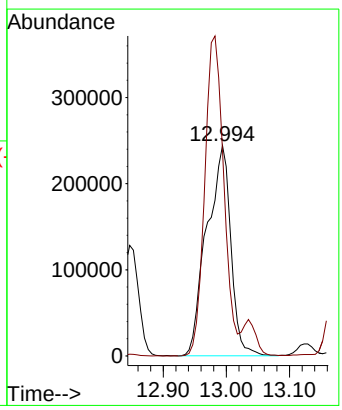


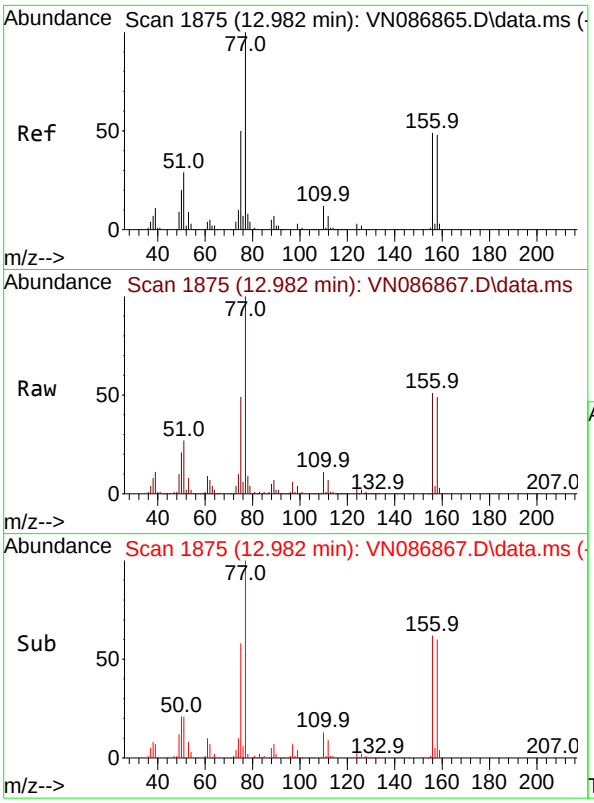


#76
1,2,3-Trichloropropane
Concen: 197.732 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 75 Resp: 644184

Ion	Ratio	Lower	Upper
75	100		
77	120.6	79.3	237.9



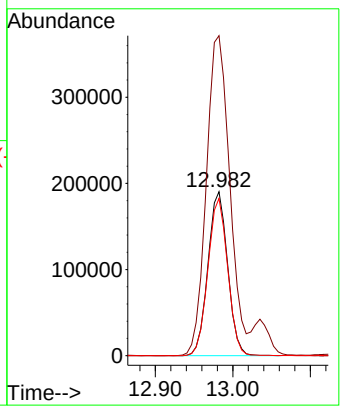


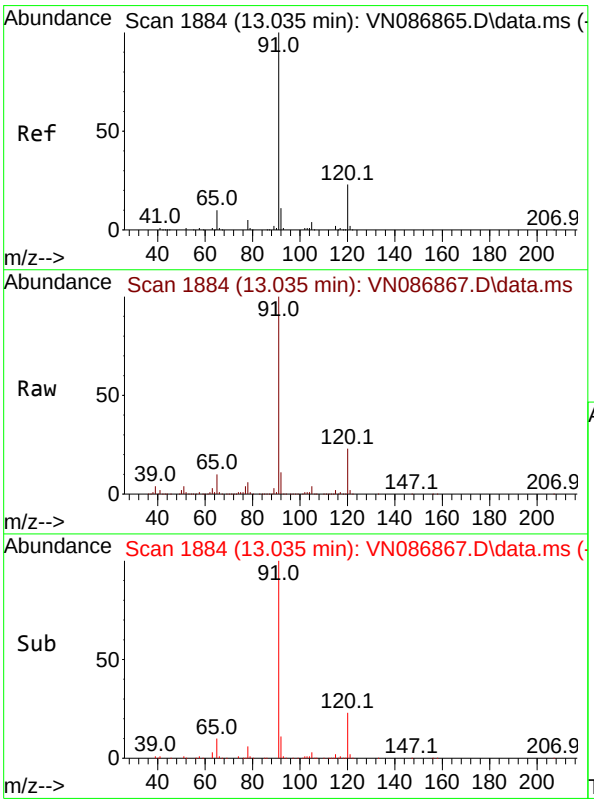
#77
Bromobenzene
Concen: 147.077 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 335734

Ion	Ratio	Lower	Upper
156	100		
77	231.5	117.7	353.1
158	96.3	48.1	144.4

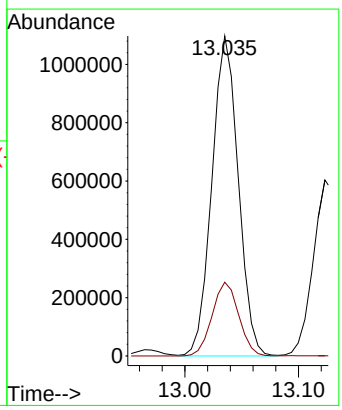


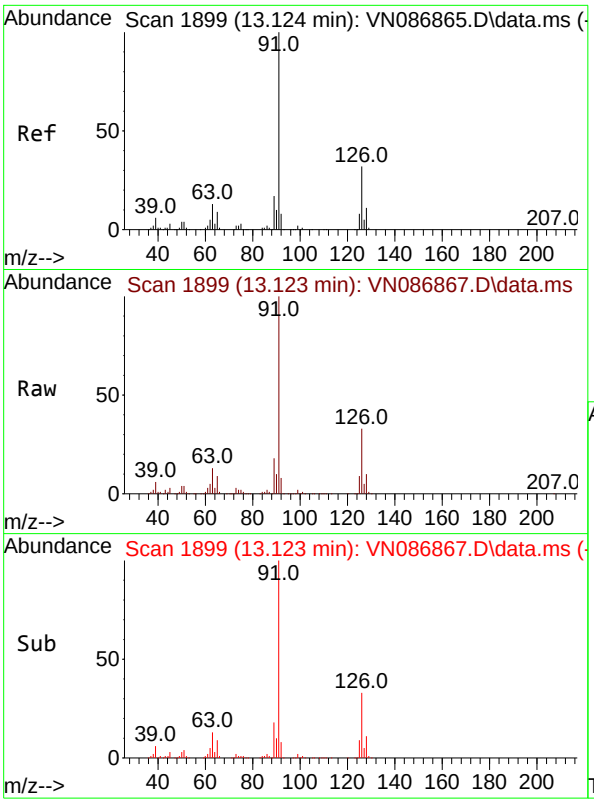


#78
n-propylbenzene
Concen: 146.301 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 91 Resp: 1769694

Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.4	34.2



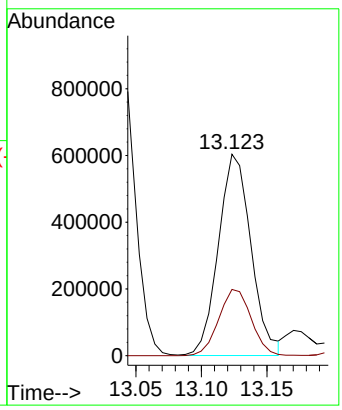


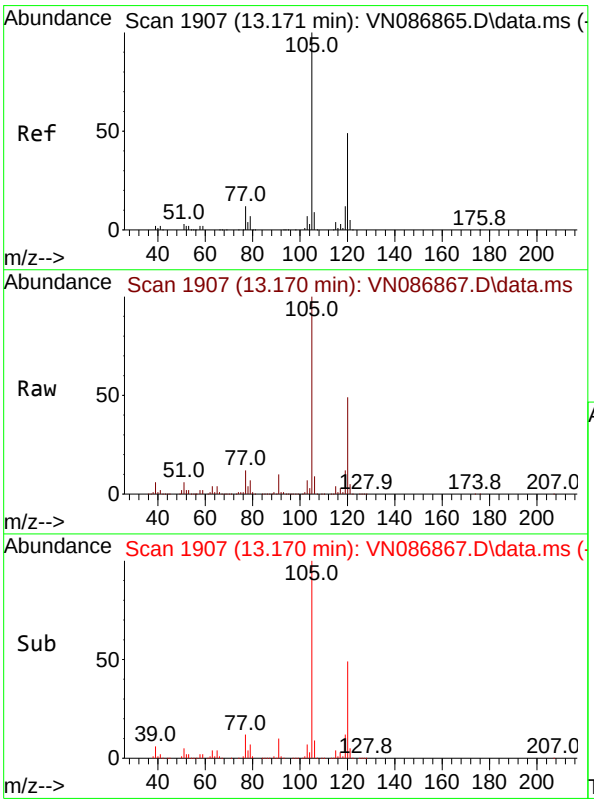
#79
2-Chlorotoluene
Concen: 144.317 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1046916

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.5

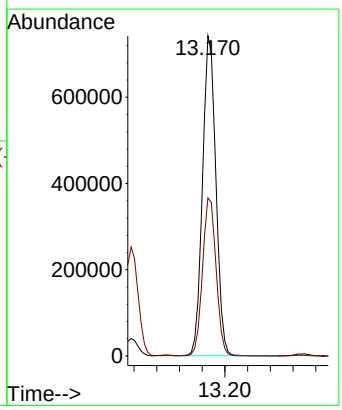


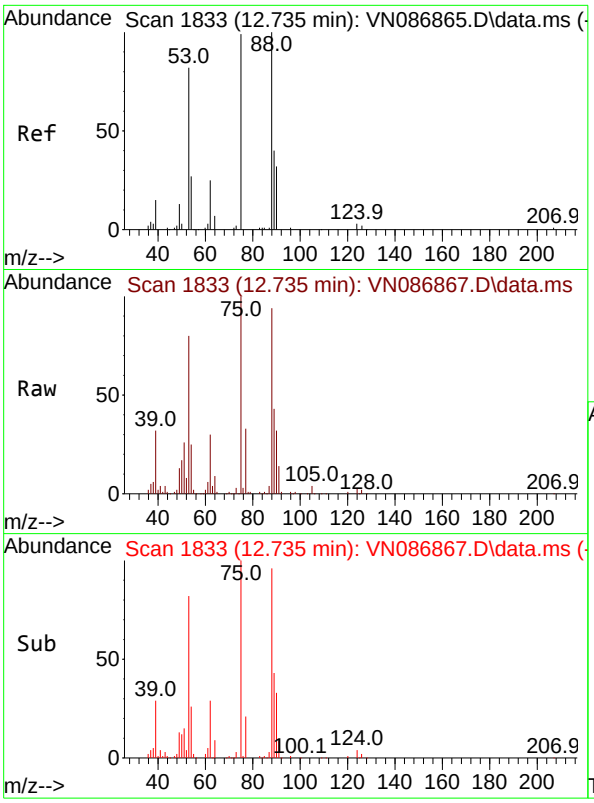


#80
1,3,5-Trimethylbenzene
Concen: 147.279 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:105 Resp: 1210325

Ion	Ratio	Lower	Upper
105	100		
120	50.0	24.9	74.6



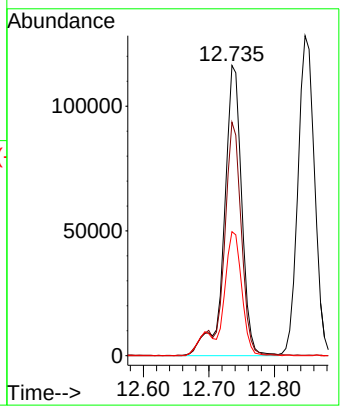


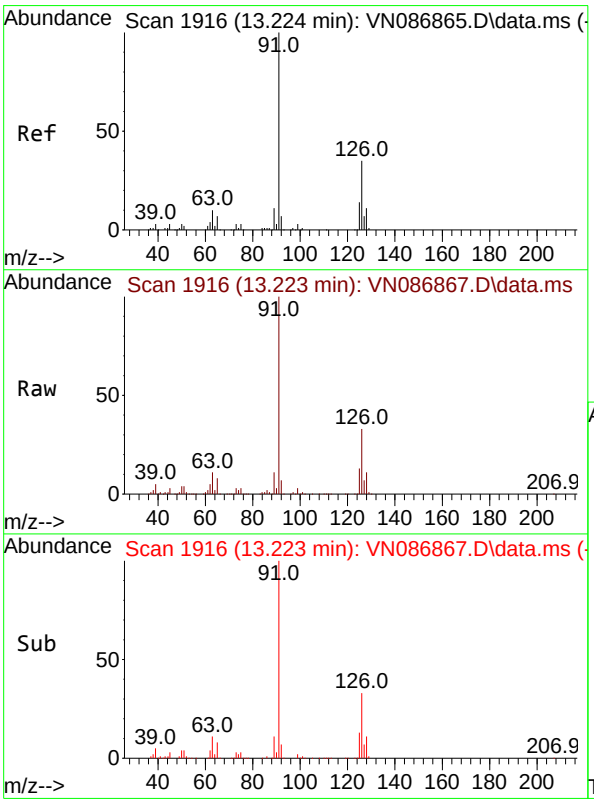
#81
trans-1,4-Dichloro-2-butene
Concen: 153.277 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 216253

Ion	Ratio	Lower	Upper
75	100		
53	81.3	66.6	99.8
89	40.0	36.7	55.1

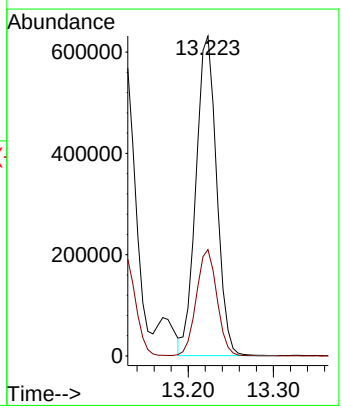


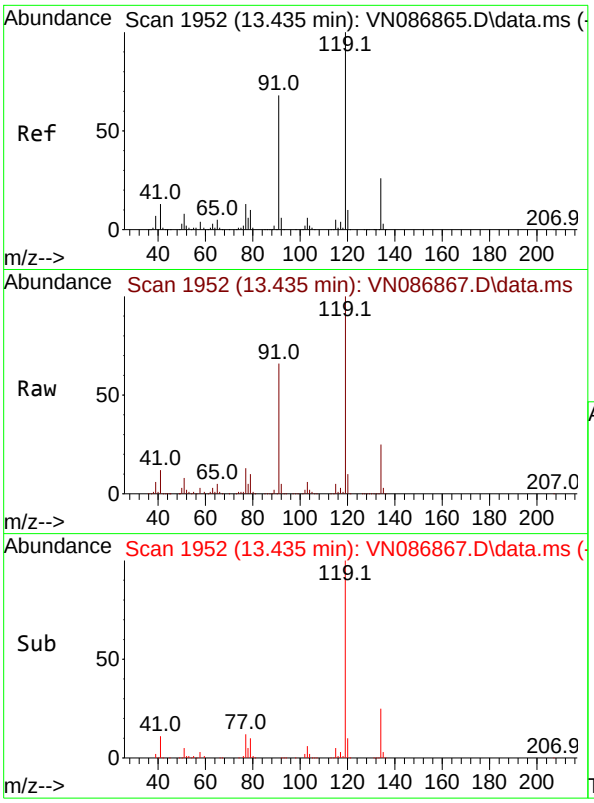


#82
4-Chlorotoluene
Concen: 144.900 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 91 Resp: 1063581

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.7	50.1



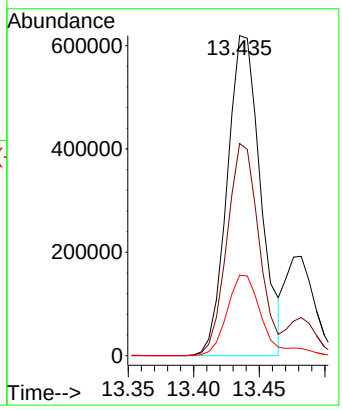


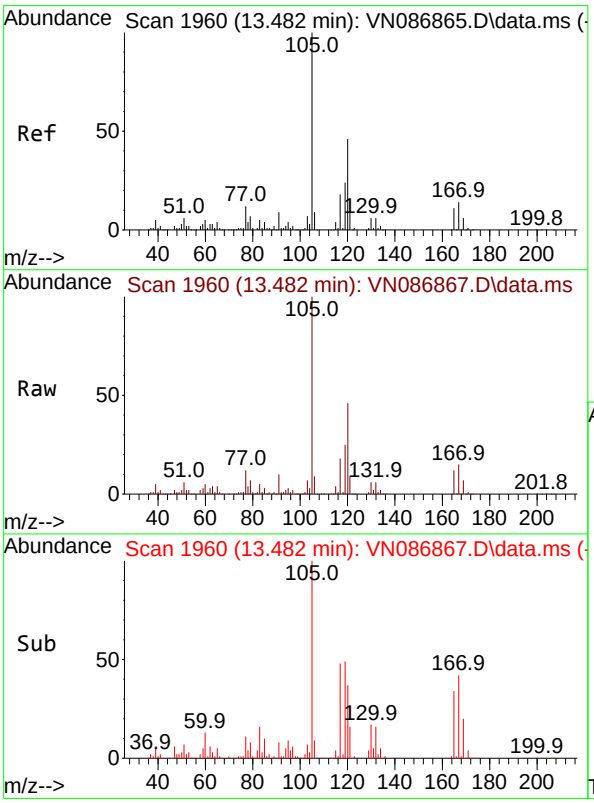
#83
tert-Butylbenzene
Concen: 145.352 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 1093406

Ion	Ratio	Lower	Upper
119	100		
91	63.8	32.1	96.5
134	26.7	13.4	40.1

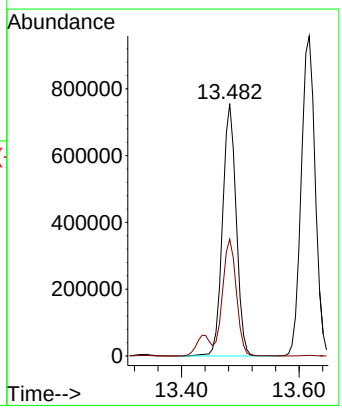


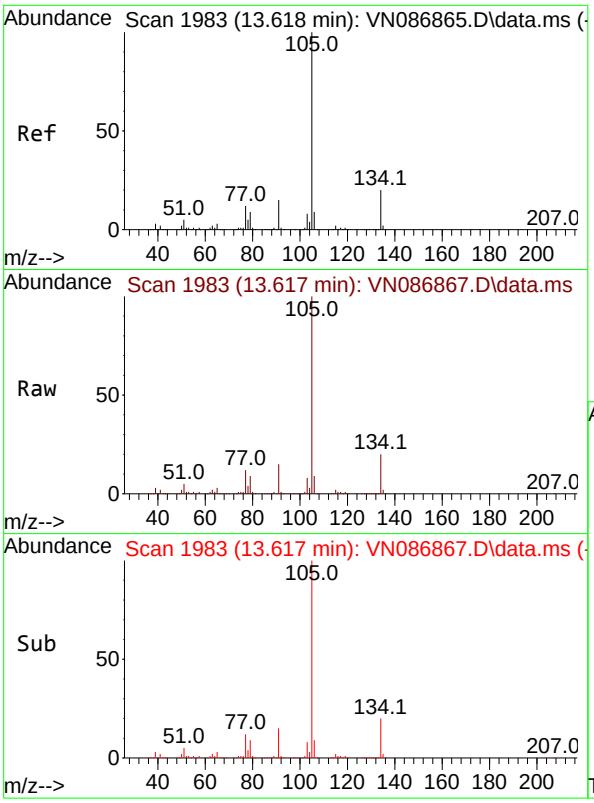


#84
1,2,4-Trimethylbenzene
Concen: 147.626 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:105 Resp: 1216529

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.2	69.6



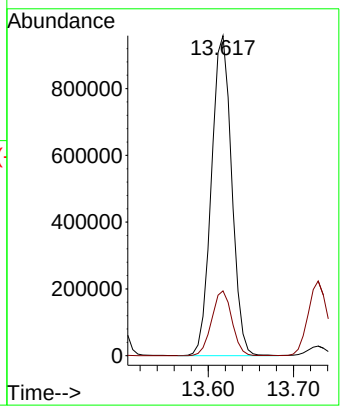


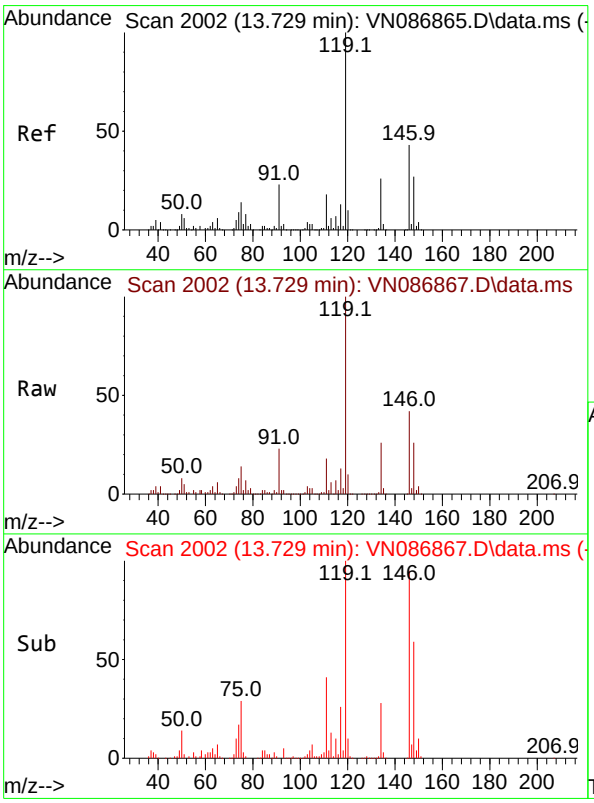
#85
sec-Butylbenzene
Concen: 144.885 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1582762

Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.0	30.0

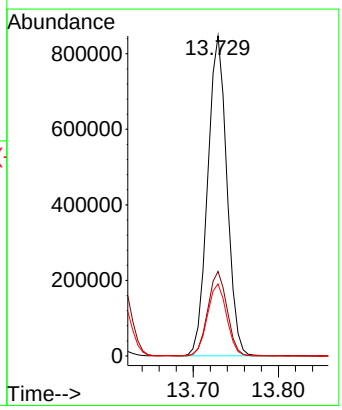


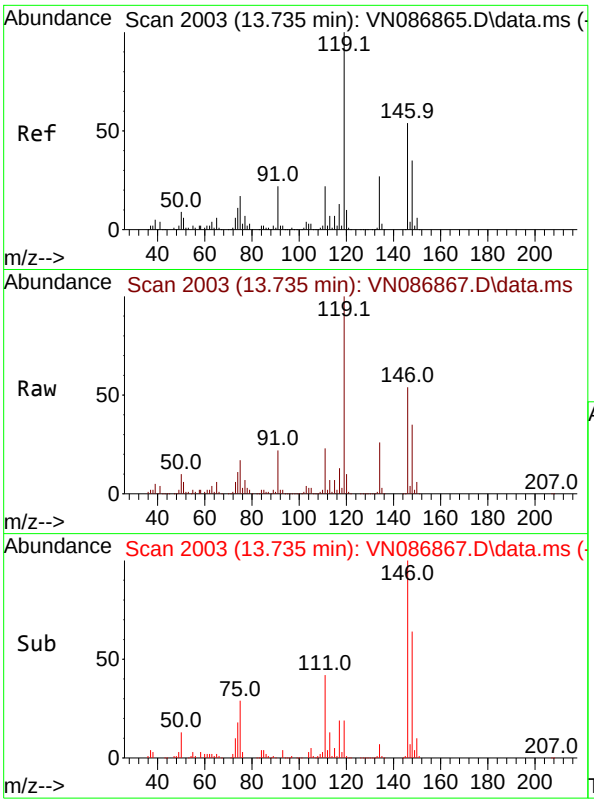


#86
p-Isopropyltoluene
Concen: 146.482 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:119 Resp: 1322780

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.5	40.4
91	22.7	11.5	34.4



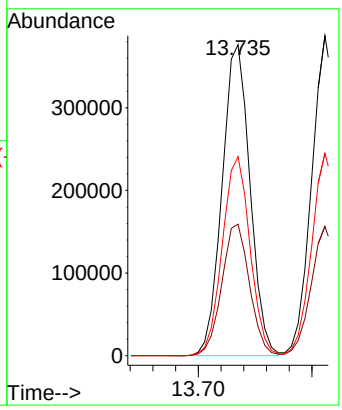


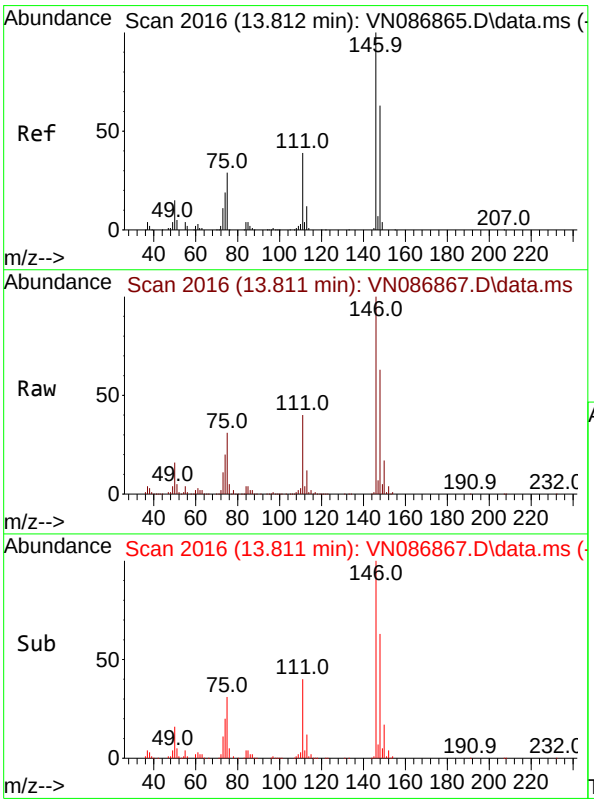
#87
1,3-Dichlorobenzene
Concen: 142.939 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 641966

Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.9	62.8
148	63.8	32.0	96.2

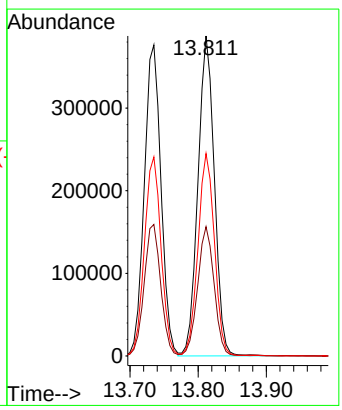


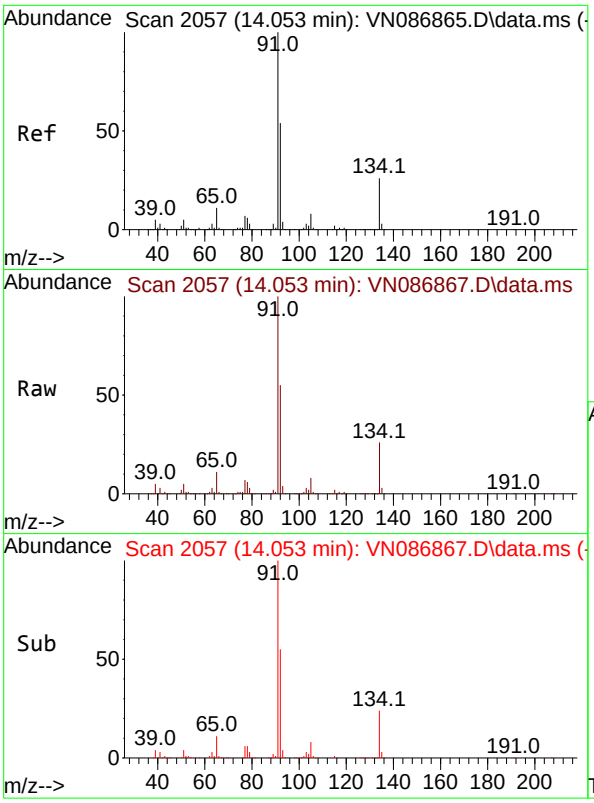


#88
1,4-Dichlorobenzene
Concen: 141.124 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:146 Resp: 646188

Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.9	59.7
148	63.2	31.8	95.4



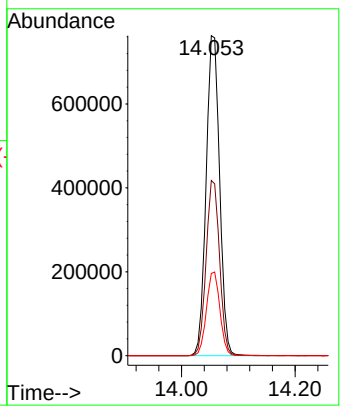


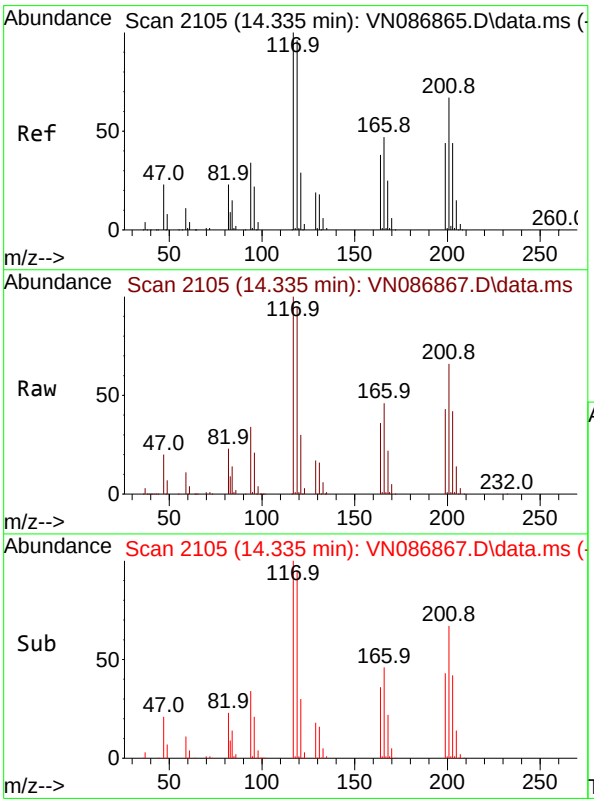
#89
n-Butylbenzene
Concen: 143.117 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1251819

Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.5	82.4
134	26.1	13.0	39.0

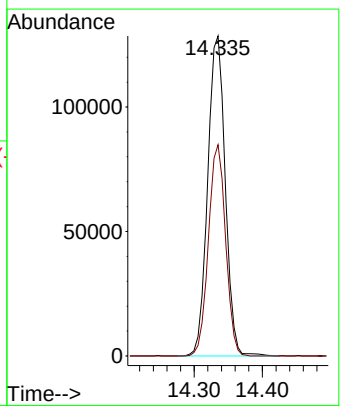


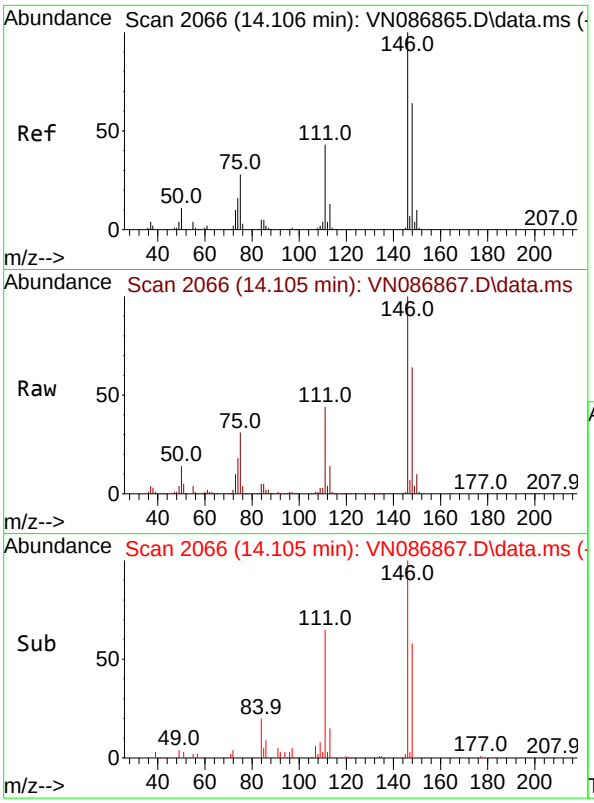


#90
Hexachloroethane
Concen: 150.387 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:117 Resp: 230195

Ion	Ratio	Lower	Upper
117	100		
201	64.5	33.2	99.6



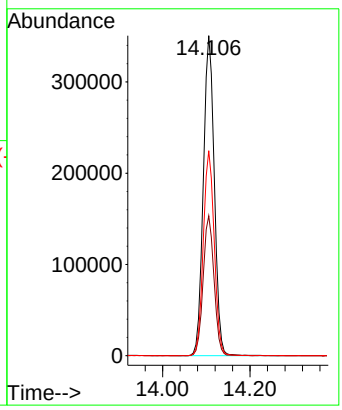


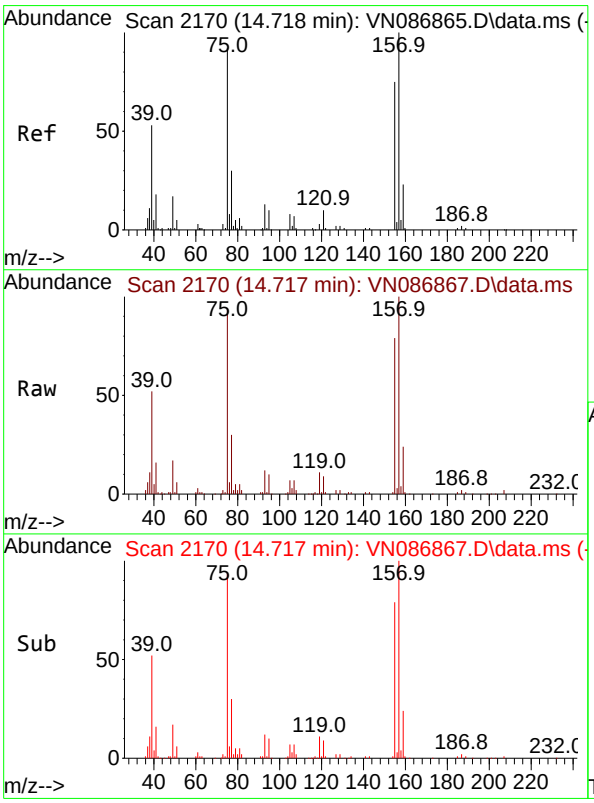
#91
1,2-Dichlorobenzene
Concen: 142.108 ug/l
RT: 14.105 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 613177

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.6	64.6
148	63.8	31.7	95.1

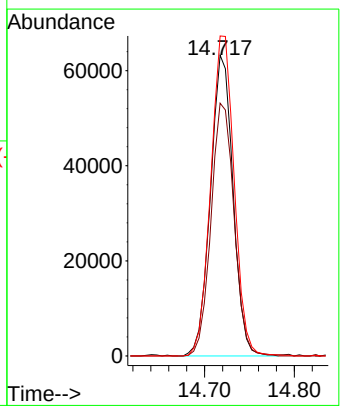


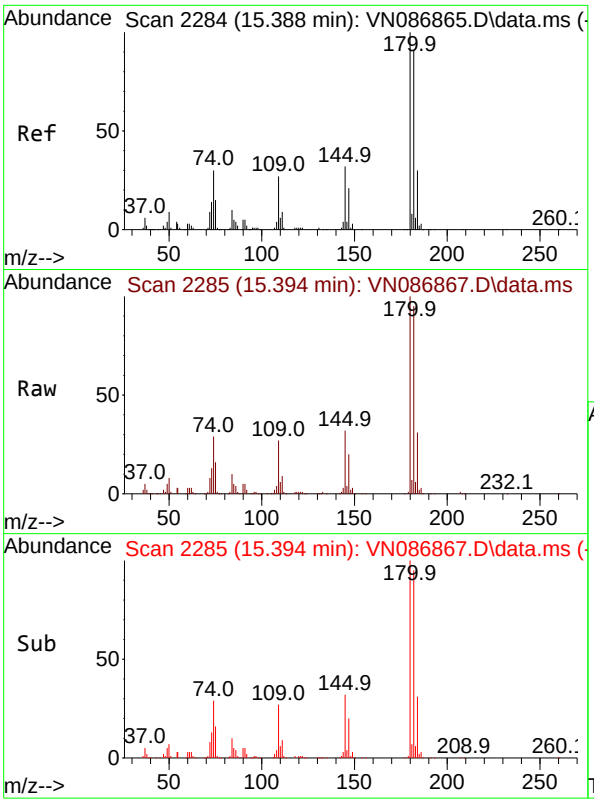


#92
1,2-Dibromo-3-Chloropropane
Concen: 137.242 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 75 Resp: 110677

Ion	Ratio	Lower	Upper
75	100		
155	85.5	41.1	123.4
157	110.2	52.7	158.1



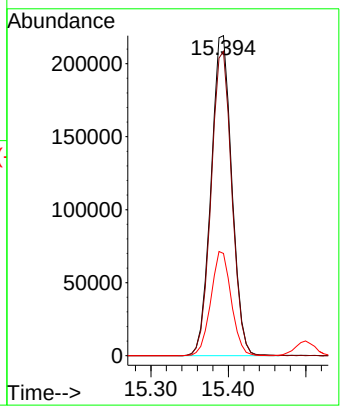


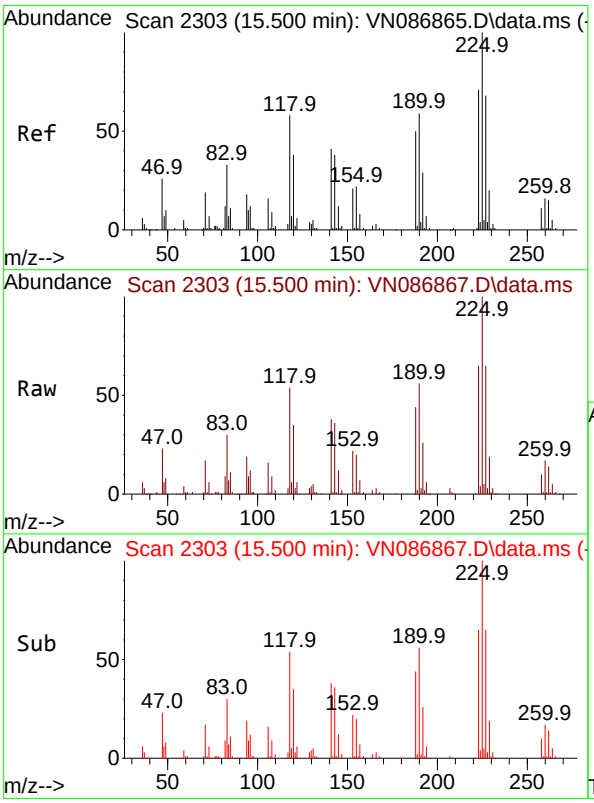
#93
1,2,4-Trichlorobenzene
Concen: 147.940 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 407621

Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.9	140.7
145	32.0	16.0	47.9

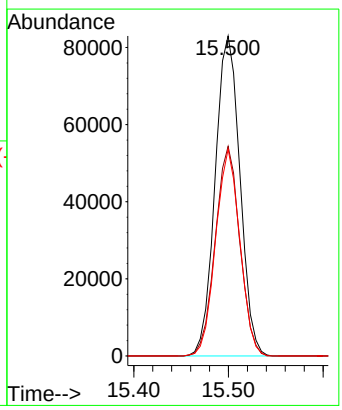


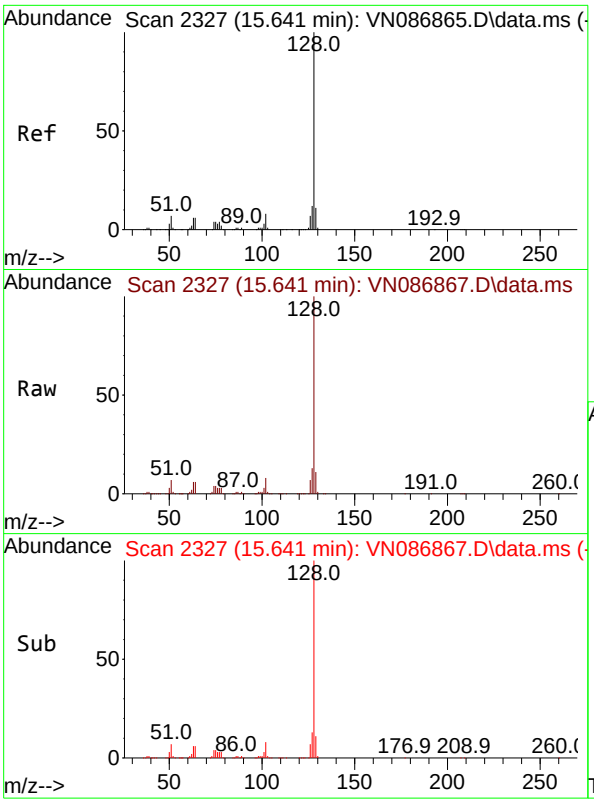


#94
Hexachlorobutadiene
Concen: 147.264 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:225 Resp: 151172

Ion	Ratio	Lower	Upper
225	100		
223	64.8	33.5	100.4
227	63.0	31.1	93.5



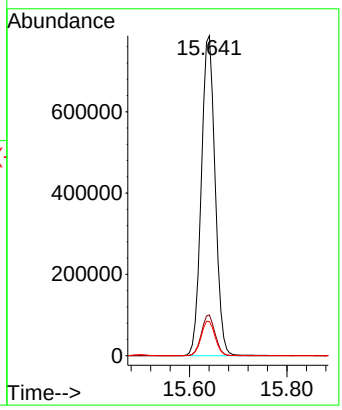


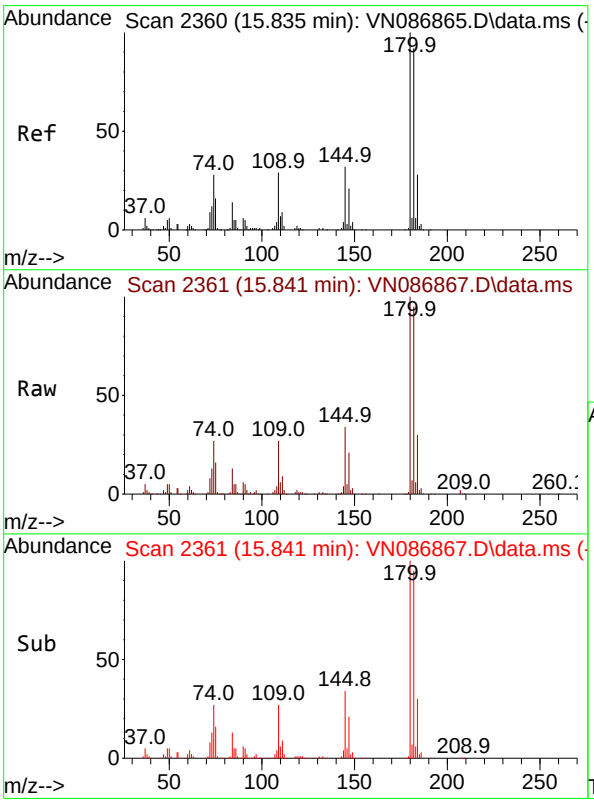
#95
Naphthalene
Concen: 150.743 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 1545981

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.9	8.8	13.2

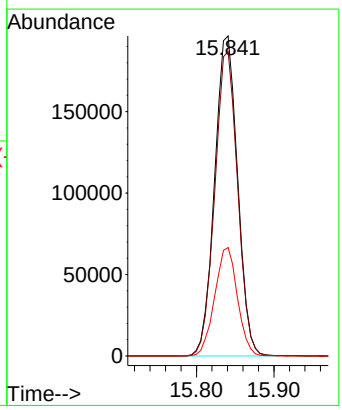




#96
1,2,3-Trichlorobenzene
Concen: 147.743 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086867.D
Acq: 06 Jun 2025 14:49

Tgt Ion:180 Resp: 404450

Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.0	141.0
145	33.6	16.6	49.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	218122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	394140	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	348935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	172710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	152255	52.135	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.260%			
35) Dibromofluoromethane	8.177	113	127102	54.416	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.840%			
50) Toluene-d8	10.571	98	491265	53.129	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.260%			
62) 4-Bromofluorobenzene	12.847	95	185792	54.081	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	120237	55.286	ug/l	99
3) Chloromethane	2.401	50	139027	49.505	ug/l	99
4) Vinyl Chloride	2.554	62	151951	52.451	ug/l	99
5) Bromomethane	2.989	94	89638	55.292	ug/l	95
6) Chloroethane	3.154	64	95654	51.117	ug/l	96
7) Trichlorofluoromethane	3.524	101	196138	51.819	ug/l	97
8) Diethyl Ether	3.983	74	87405	53.001	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.395	101	127498	53.615	ug/l	99
10) Methyl Iodide	4.612	142	164080	53.227	ug/l	97
11) Tert butyl alcohol	5.542	59	207768	262.193	ug/l	99
12) 1,1-Dichloroethene	4.359	96	125461	51.678	ug/l	99
13) Acrolein	4.195	56	60336	240.545	ug/l	98
14) Allyl chloride	5.042	41	203344	50.504	ug/l	98
15) Acrylonitrile	5.736	53	479502	258.885	ug/l	100
16) Acetone	4.448	43	382146	246.750	ug/l	98
17) Carbon Disulfide	4.736	76	339466	50.550	ug/l	100
18) Methyl Acetate	5.042	43	234290	51.912	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	454641	51.720	ug/l	100
20) Methylene Chloride	5.295	84	143862	49.617	ug/l	97
21) trans-1,2-Dichloroethene	5.806	96	133535	49.437	ug/l	99
22) Diisopropyl ether	6.689	45	440080	51.853	ug/l	99
23) Vinyl Acetate	6.618	43	1828919	255.055	ug/l	99
24) 1,1-Dichloroethane	6.589	63	251473	51.487	ug/l	98
25) 2-Butanone	7.494	43	644194	255.897	ug/l	99
26) 2,2-Dichloropropane	7.500	77	216678	57.031	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	164985	51.073	ug/l	99
28) Bromochloromethane	7.824	49	108810	45.310	ug/l	99
29) Tetrahydrofuran	7.847	42	420891	256.656	ug/l	100
30) Chloroform	7.977	83	248429	50.933	ug/l	97
31) Cyclohexane	8.265	56	237836	50.212	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	209927	50.603	ug/l	97
36) 1,1-Dichloropropene	8.377	75	181414	52.123	ug/l	99
37) Ethyl Acetate	7.571	43	222090	50.125	ug/l	99
38) Carbon Tetrachloride	8.371	117	179281	52.466	ug/l	98
39) Methylcyclohexane	9.606	83	251231	52.686	ug/l	98
40) Benzene	8.612	78	579667	50.931	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.789	41	130903	52.607	ug/l		100
42) 1,2-Dichloroethane	8.677	62	177746	51.489	ug/l		100
43) Isopropyl Acetate	8.694	43	359378	50.536	ug/l		100
44) Trichloroethene	9.359	130	139763	51.788	ug/l		100
45) 1,2-Dichloropropane	9.624	63	142463	51.450	ug/l		99
46) Dibromomethane	9.712	93	97199	52.849	ug/l		98
47) Bromodichloromethane	9.894	83	196104	51.824	ug/l		100
48) Methyl methacrylate	9.688	41	168001	51.328	ug/l		98
49) 1,4-Dioxane	9.706	88	66102	1110.123	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.447	43	1146622	267.835	ug/l		99
52) Toluene	10.635	92	361963	52.040	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	224839	53.137	ug/l		99
54) cis-1,3-Dichloropropene	10.318	75	237774	52.519	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	137998	51.562	ug/l		99
56) Ethyl methacrylate	10.882	69	241649	56.688	ug/l		98
57) 1,3-Dichloropropane	11.165	76	238572	51.386	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.165	63	625479	246.006	ug/l		100
59) 2-Hexanone	11.200	43	781717	283.478	ug/l		100
60) Dibromochloromethane	11.359	129	146749	52.627	ug/l		99
61) 1,2-Dibromoethane	11.471	107	142338	51.887	ug/l		99
64) Tetrachloroethene	11.106	164	111409	50.450	ug/l		98
65) Chlorobenzene	11.894	112	391661	50.892	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	129045	52.164	ug/l		99
67) Ethyl Benzene	11.965	91	683879	51.590	ug/l		98
68) m/p-Xylenes	12.071	106	527293	103.912	ug/l		98
69) o-Xylene	12.400	106	254600	52.387	ug/l		100
70) Styrene	12.412	104	438751	52.758	ug/l		99
71) Bromoform	12.582	173	100357	54.751	ug/l	#	99
73) Isopropylbenzene	12.694	105	652045	51.823	ug/l		100
74) N-amyl acetate	12.506	43	238355	54.212	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.941	83	220643	51.763	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	302004	73.563	ug/l		69
77) Bromobenzene	12.982	156	150950	52.313	ug/l		100
78) n-propylbenzene	13.035	91	801180	52.397	ug/l		100
79) 2-Chlorotoluene	13.123	91	473629	51.650	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	548347	52.787	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	99341	55.702	ug/l		97
82) 4-Chlorotoluene	13.223	91	481403	51.884	ug/l		99
83) tert-Butylbenzene	13.441	119	499519	52.532	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	552333	53.024	ug/l		100
85) sec-Butylbenzene	13.618	105	723986	52.428	ug/l		100
86) p-Isopropyltoluene	13.729	119	606979	53.174	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	290810	51.224	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	298412	51.557	ug/l		100
89) n-Butylbenzene	14.059	91	579636	52.424	ug/l		100
90) Hexachloroethane	14.335	117	102254	52.847	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	280025	51.340	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	50115	49.161	ug/l		98
93) 1,2,4-Trichlorobenzene	15.394	180	181064	51.986	ug/l		99
94) Hexachlorobutadiene	15.500	225	68570	52.843	ug/l		99
95) Naphthalene	15.641	128	674187	52.005	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	174888	50.539	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

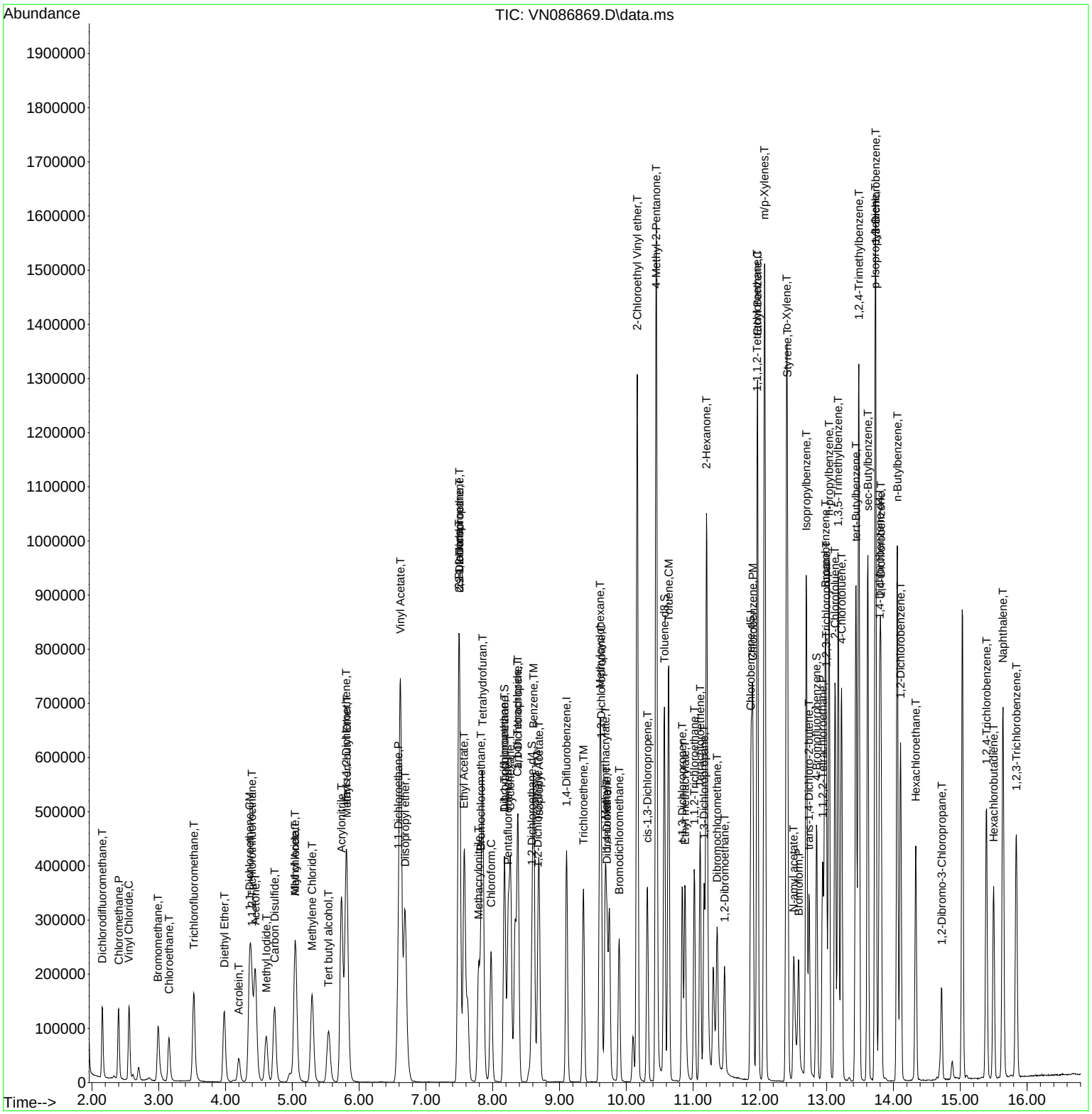
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

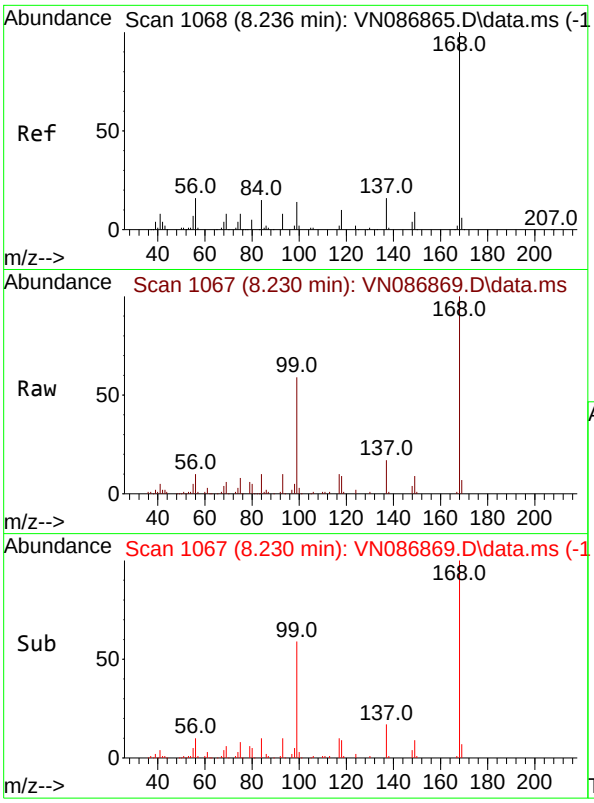
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



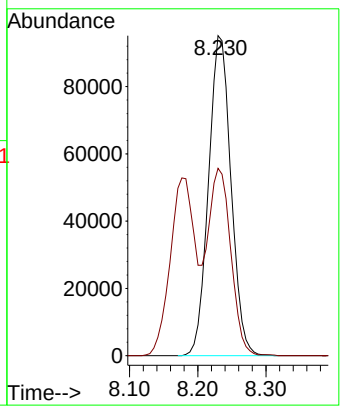


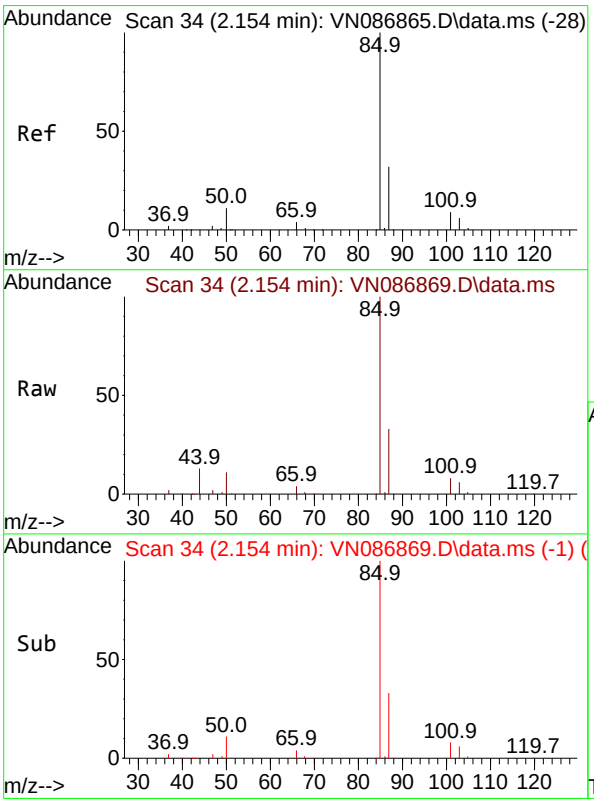
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:168 Resp: 218122

Ion	Ratio	Lower	Upper
168	100		
99	58.6	49.1	73.7

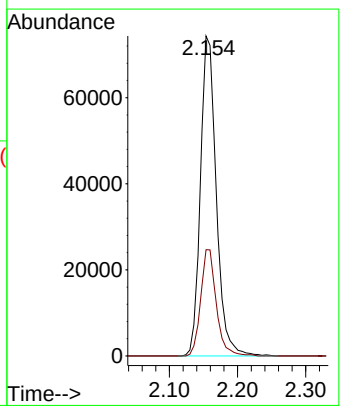


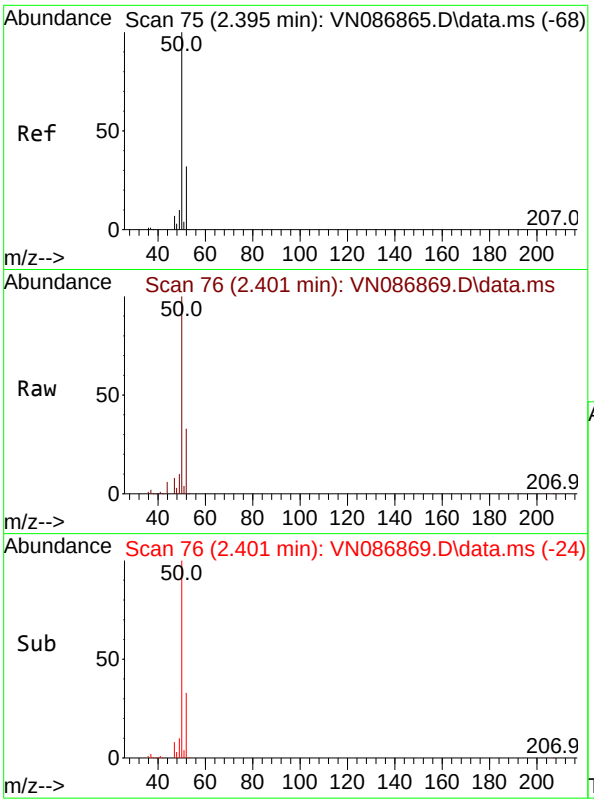


#2
Dichlorodifluoromethane
Concen: 55.286 ug/l
RT: 2.154 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 85 Resp: 120237

Ion	Ratio	Lower	Upper
85	100		
87	33.2	16.2	48.6



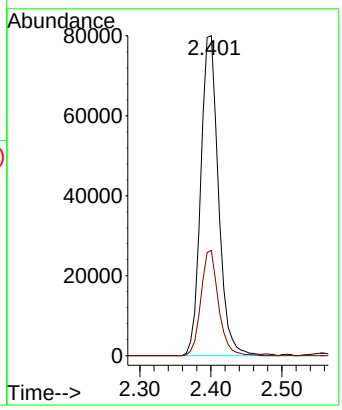


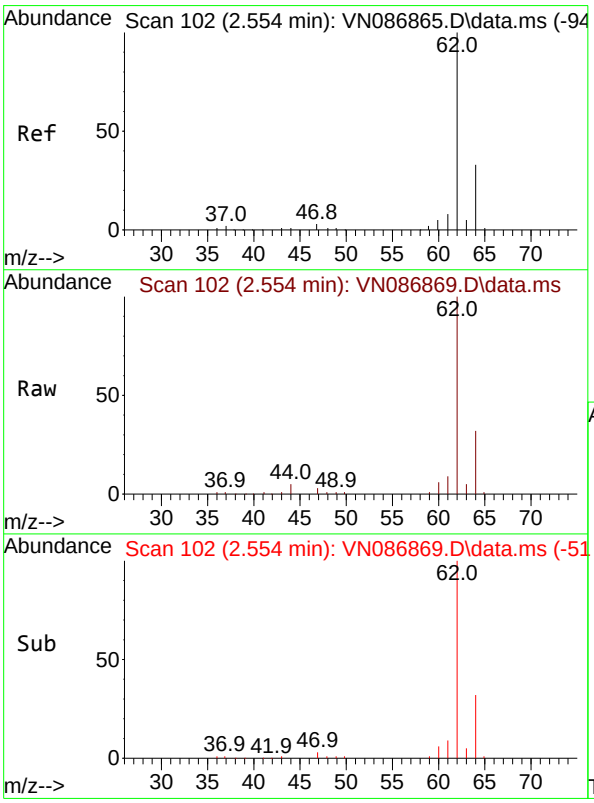
#3
Chloromethane
Concen: 49.505 ug/l
RT: 2.401 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 50 Resp: 139027

Ion	Ratio	Lower	Upper
50	100		
52	32.9	25.7	38.5

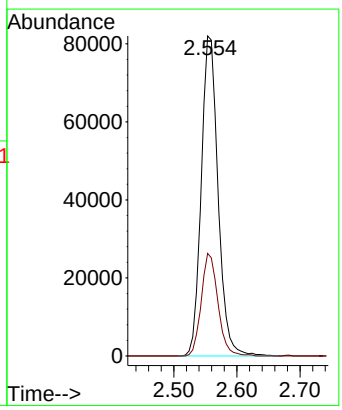


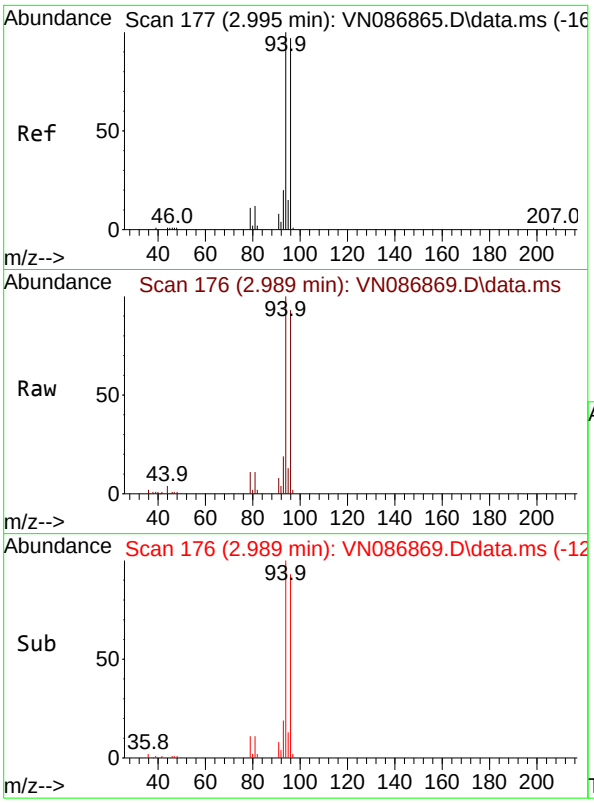


#4
Vinyl Chloride
Concen: 52.451 ug/l
RT: 2.554 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 62 Resp: 151951

Ion	Ratio	Lower	Upper
62	100		
64	32.0	26.0	39.0



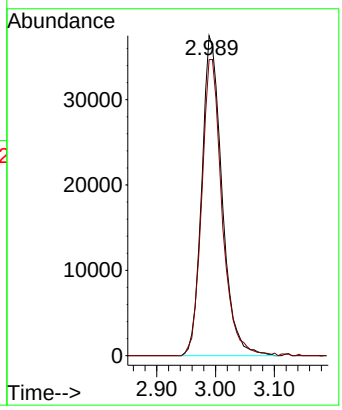


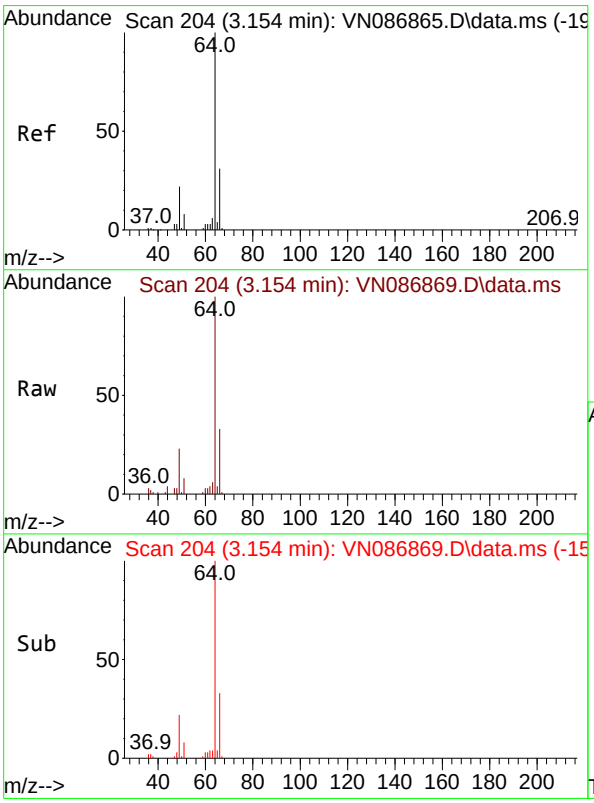
#5
Bromomethane
Concen: 55.292 ug/l
RT: 2.989 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 94 Resp: 89638

Ion	Ratio	Lower	Upper
94	100		
96	92.5	77.9	116.9

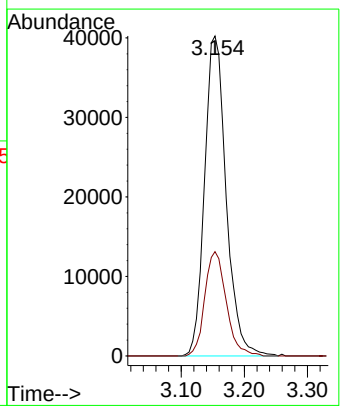


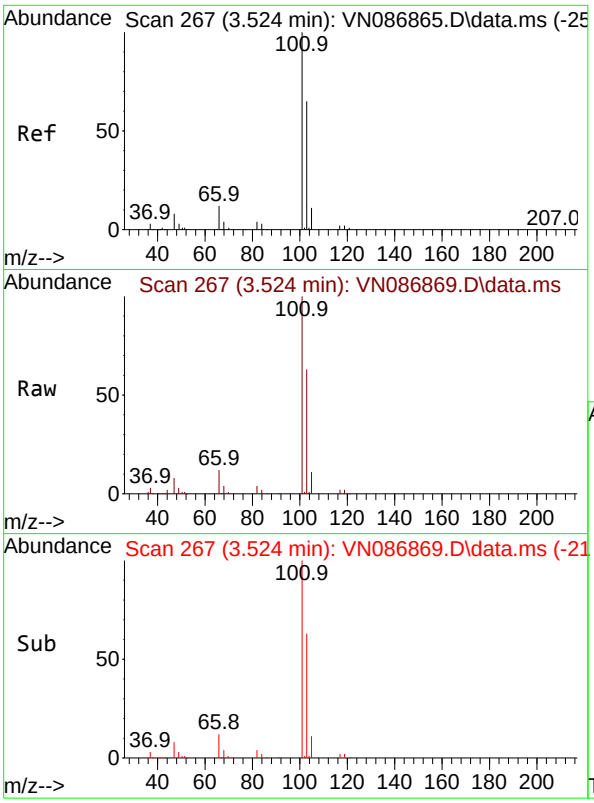


#6
Chloroethane
Concen: 51.117 ug/l
RT: 3.154 min Scan# 204
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 64 Resp: 95654

Ion	Ratio	Lower	Upper
64	100		
66	32.6	24.6	36.8



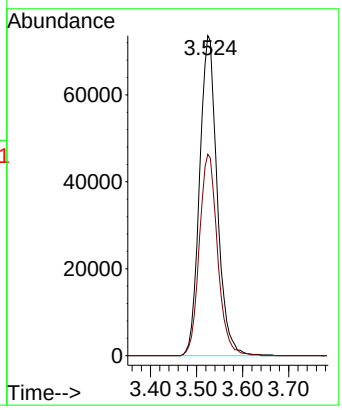


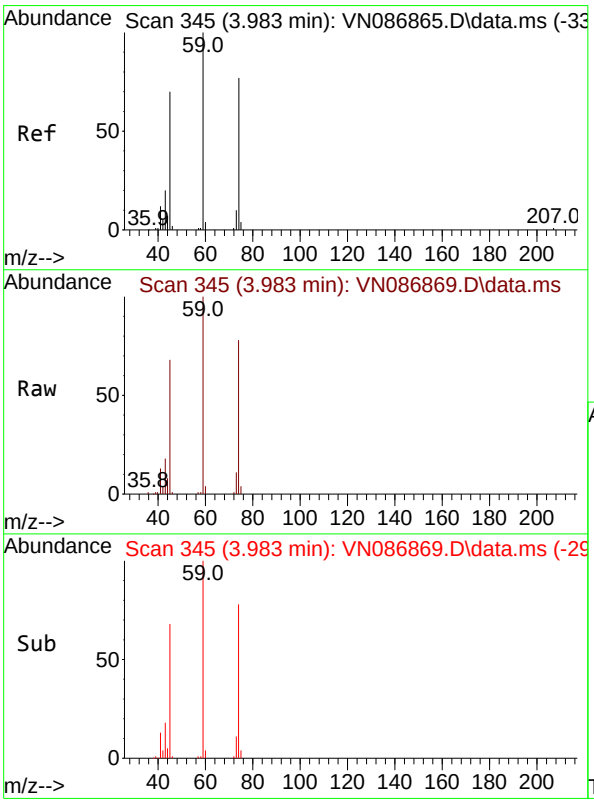
#7
Trichlorofluoromethane
Concen: 51.819 ug/l
RT: 3.524 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:101 Resp: 196138

Ion	Ratio	Lower	Upper
101	100		
103	62.9	52.2	78.2

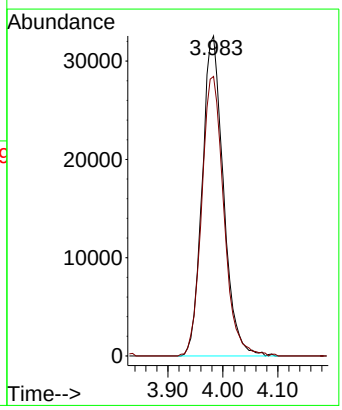


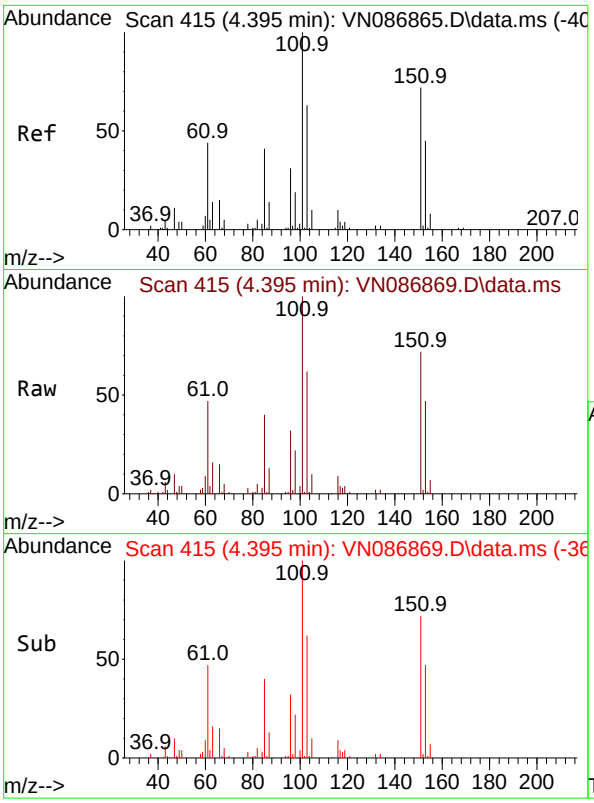


#8
Diethyl Ether
Concen: 53.001 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 74 Resp: 87405

Ion	Ratio	Lower	Upper
74	100		
45	90.9	45.5	136.5



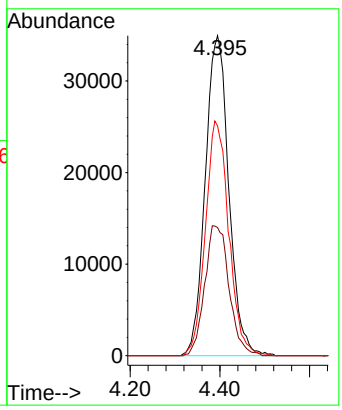


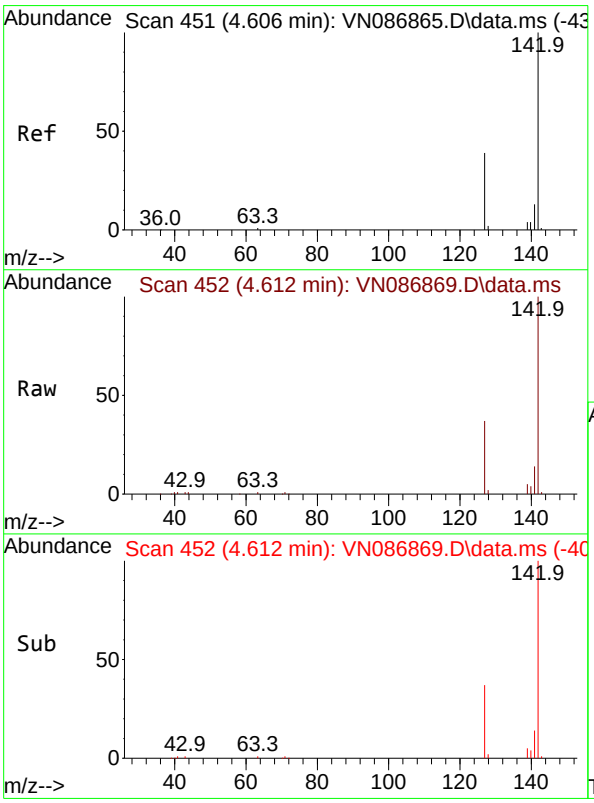
#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.615 ug/l
RT: 4.395 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:101 Resp: 127498

Ion	Ratio	Lower	Upper
101	100		
85	41.9	33.8	50.8
151	72.8	58.7	88.1

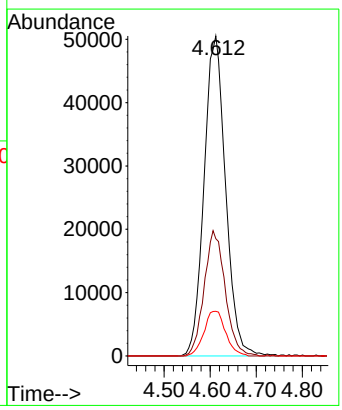


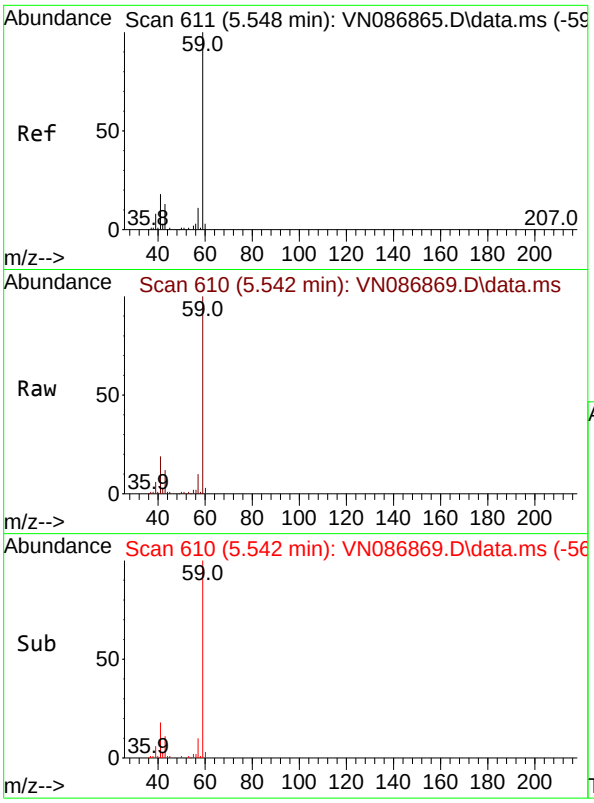


#10
Methyl Iodide
Concen: 53.227 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:142 Resp: 164080

Ion	Ratio	Lower	Upper
142	100		
127	36.6	30.9	46.3
141	14.0	10.4	15.6



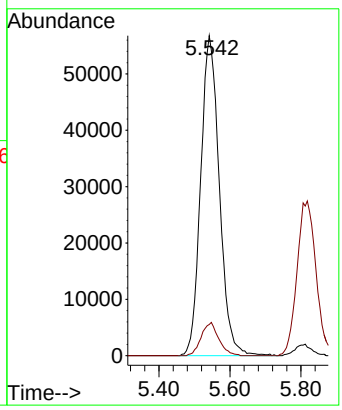


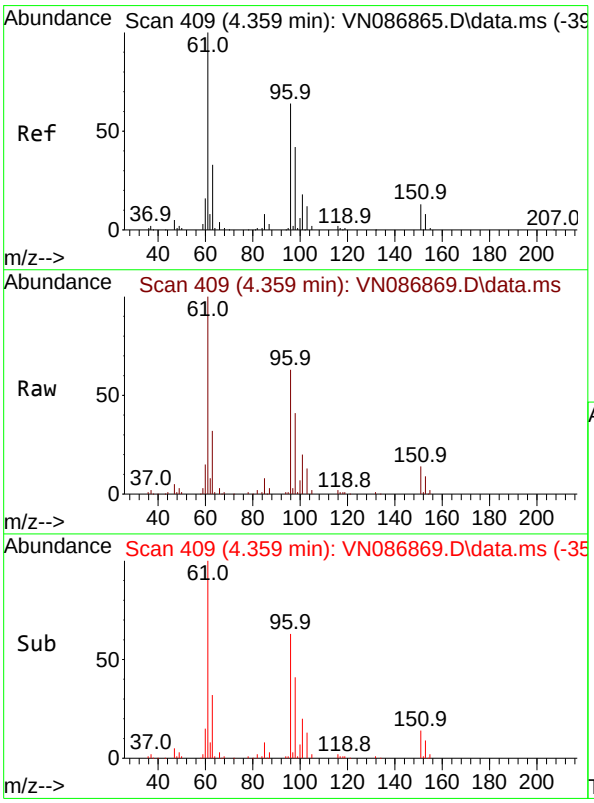
#11
Tert butyl alcohol
Concen: 262.193 ug/l
RT: 5.542 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 59 Resp: 207768

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.1	12.1

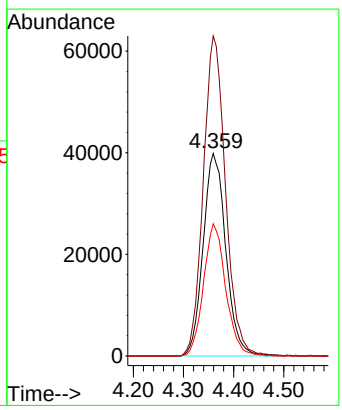


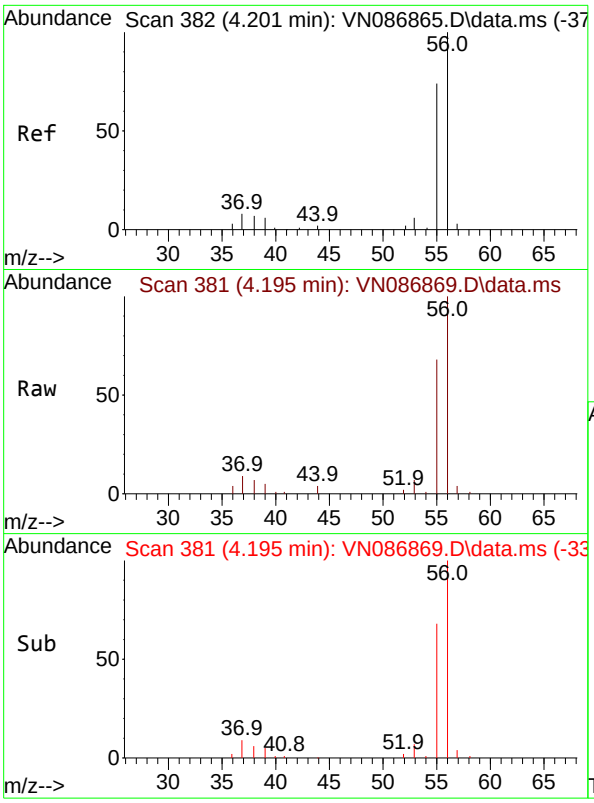


#12
1,1-Dichloroethene
Concen: 51.678 ug/l
RT: 4.359 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 96 Resp: 125461

Ion	Ratio	Lower	Upper
96	100		
61	158.0	125.8	188.6
98	65.2	52.5	78.7



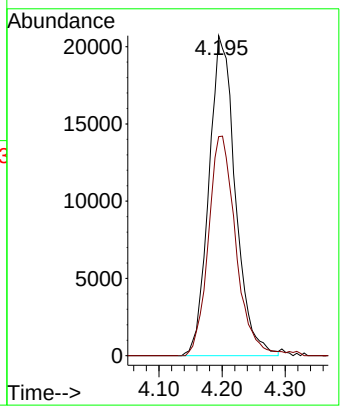


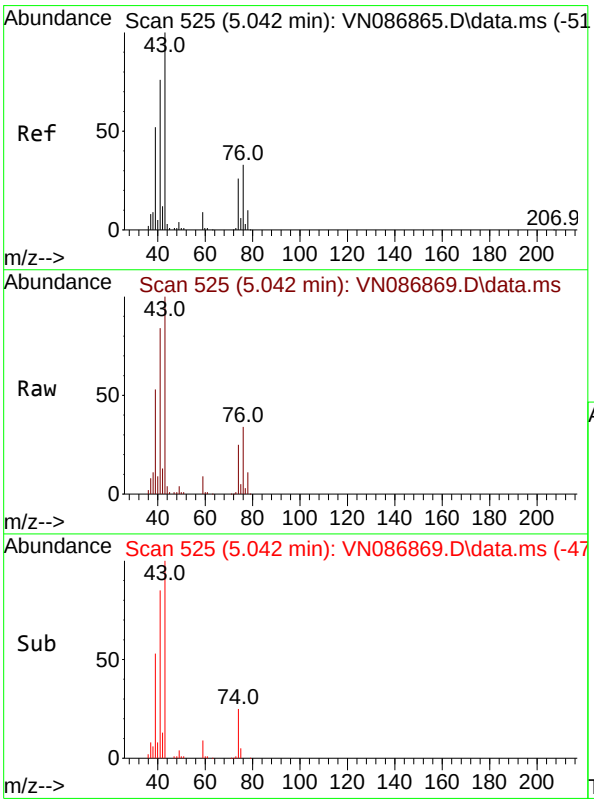
#13
Acrolein
Concen: 240.545 ug/l
RT: 4.195 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 56 Resp: 60336

Ion	Ratio	Lower	Upper
56	100		
55	71.1	55.6	83.4

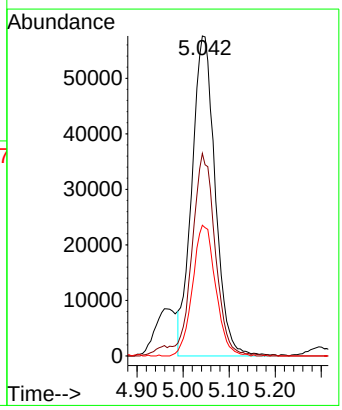


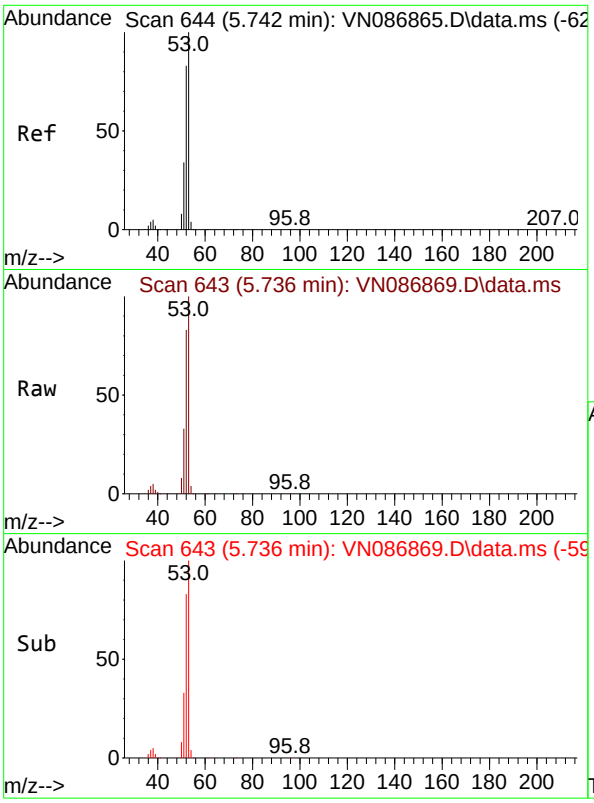


#14
Allyl chloride
Concen: 50.504 ug/l
RT: 5.042 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 41 Resp: 203344

Ion	Ratio	Lower	Upper
41	100		
39	62.3	51.3	76.9
76	40.4	31.4	47.0



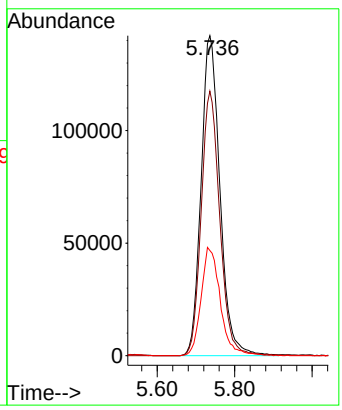


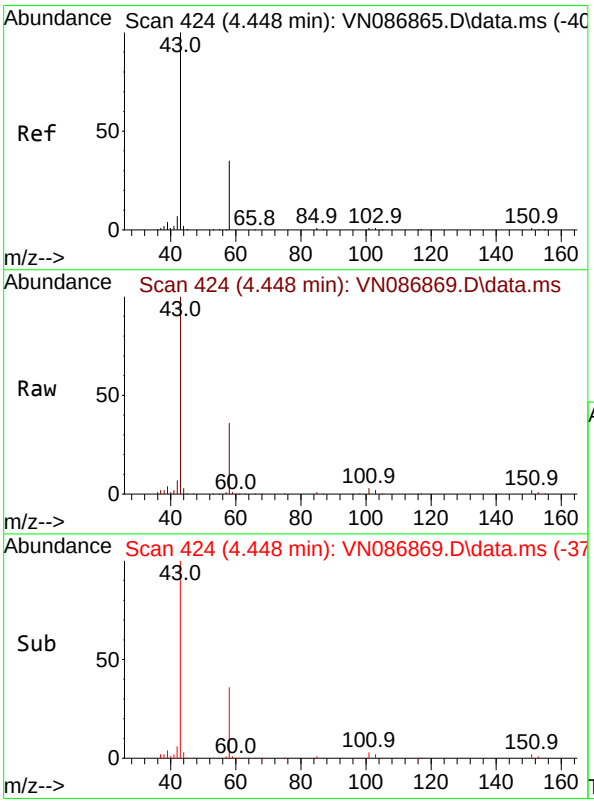
#15
Acrylonitrile
Concen: 258.885 ug/l
RT: 5.736 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 53 Resp: 479502

Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.0	97.6
51	34.5	27.2	40.8

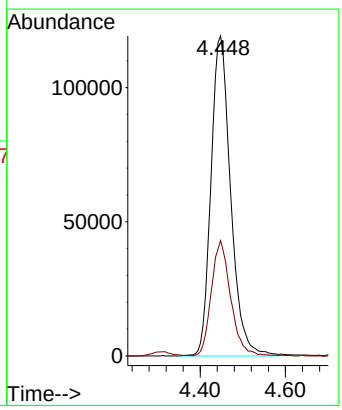


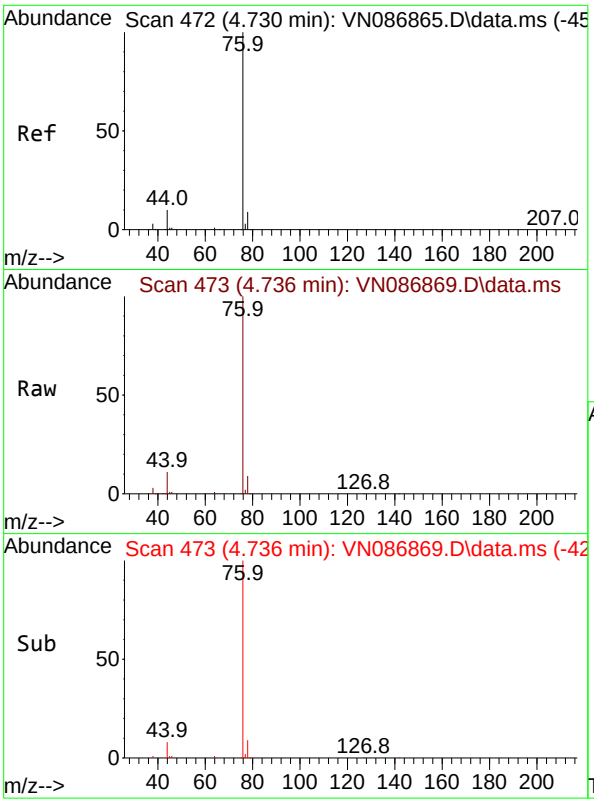


#16
Acetone
Concen: 246.750 ug/l
RT: 4.448 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 43 Resp: 382146

Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.0	42.0



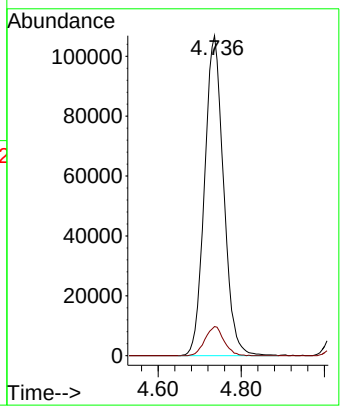


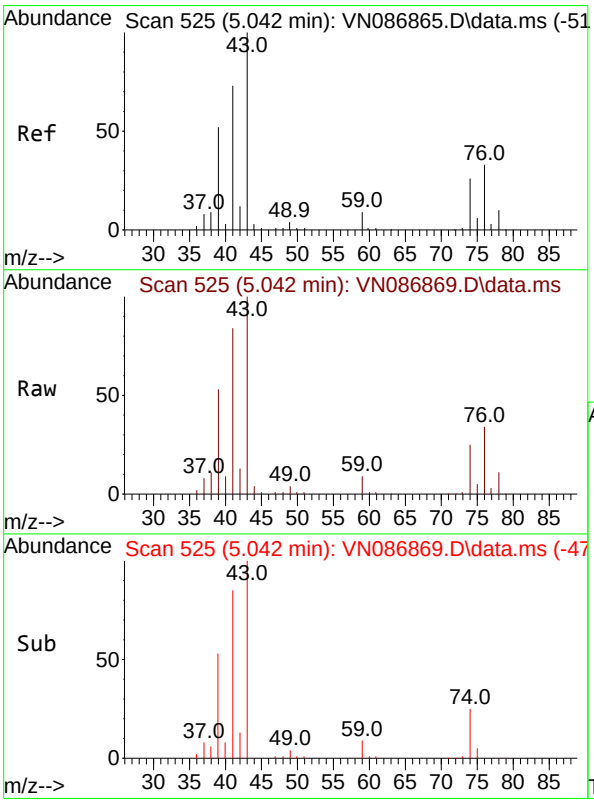
#17
Carbon Disulfide
Concen: 50.550 ug/l
RT: 4.736 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 76 Resp: 339466

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

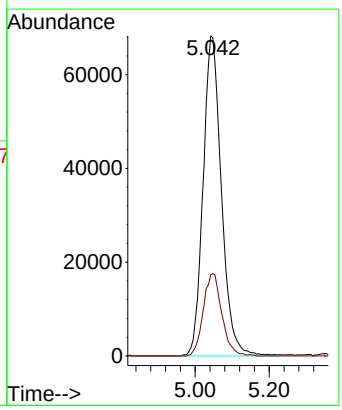


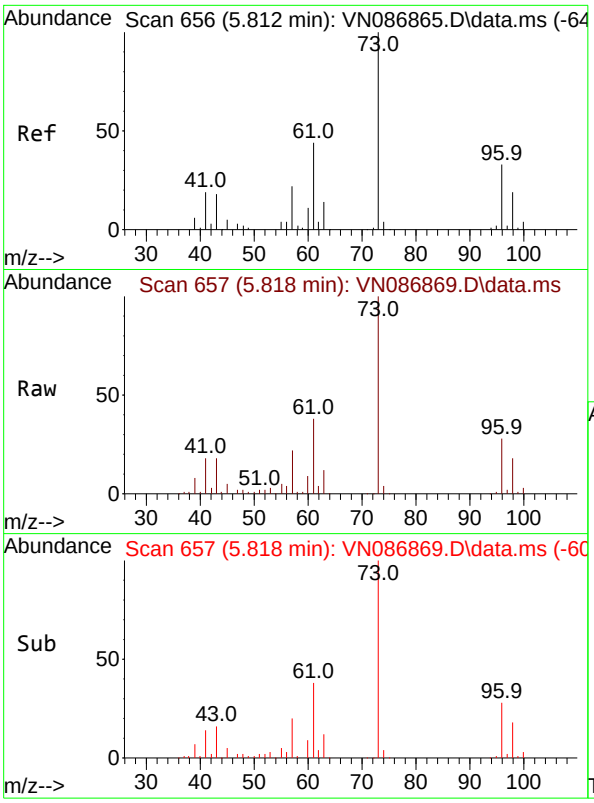


#18
Methyl Acetate
Concen: 51.912 ug/l
RT: 5.042 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 43 Resp: 234290

Ion	Ratio	Lower	Upper
43	100		
74	25.9	20.7	31.1



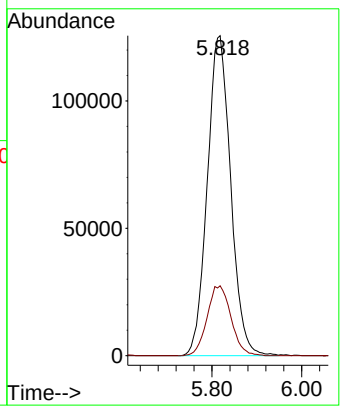


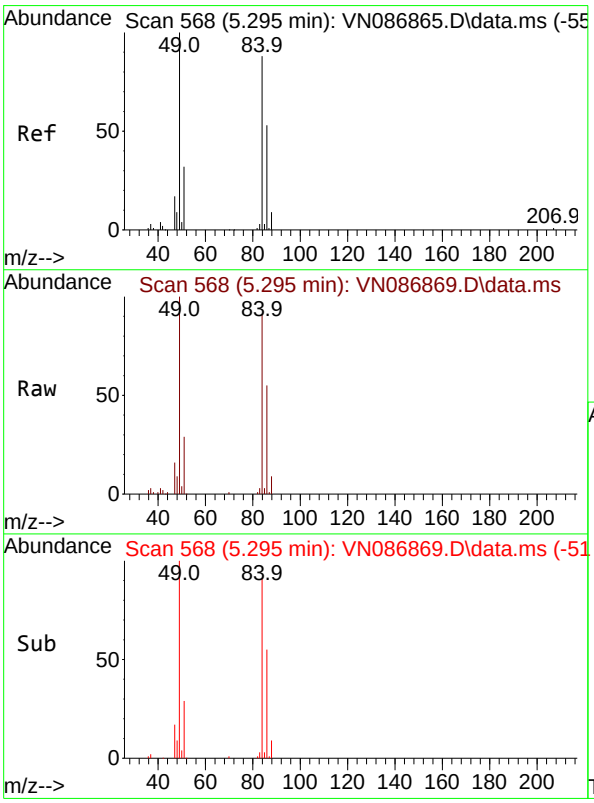
#19
Methyl tert-butyl Ether
Concen: 51.720 ug/l
RT: 5.818 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 73 Resp: 454641

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2

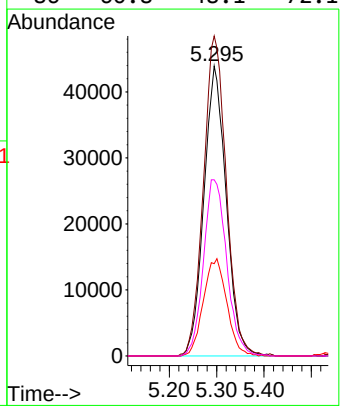


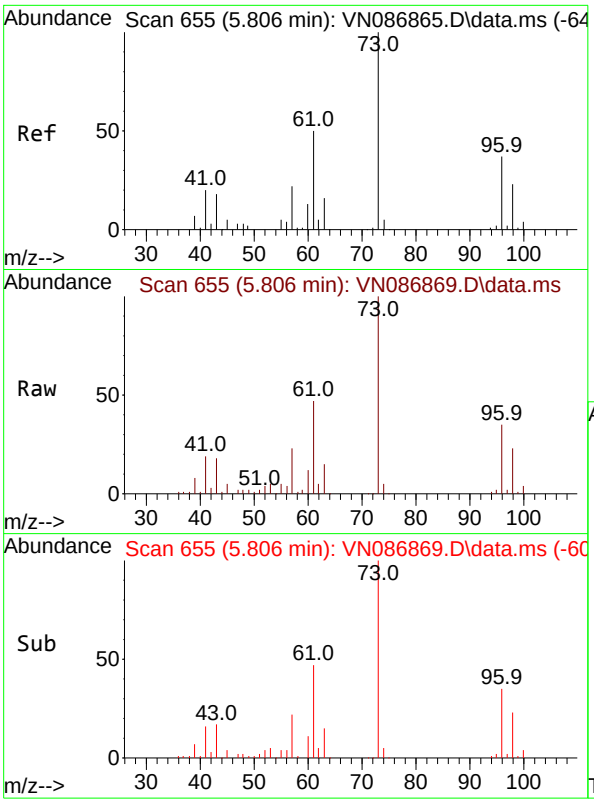


#20
Methylene Chloride
Concen: 49.617 ug/l
RT: 5.295 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 84 Resp: 143862

Ion	Ratio	Lower	Upper
84	100		
49	110.3	90.5	135.7
51	31.8	28.5	42.7
86	60.8	48.1	72.1



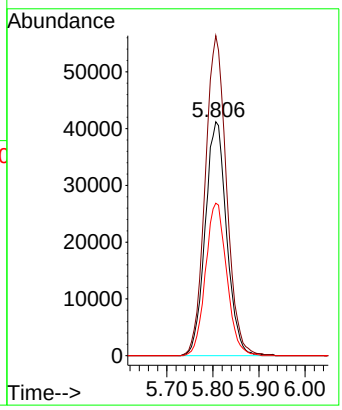


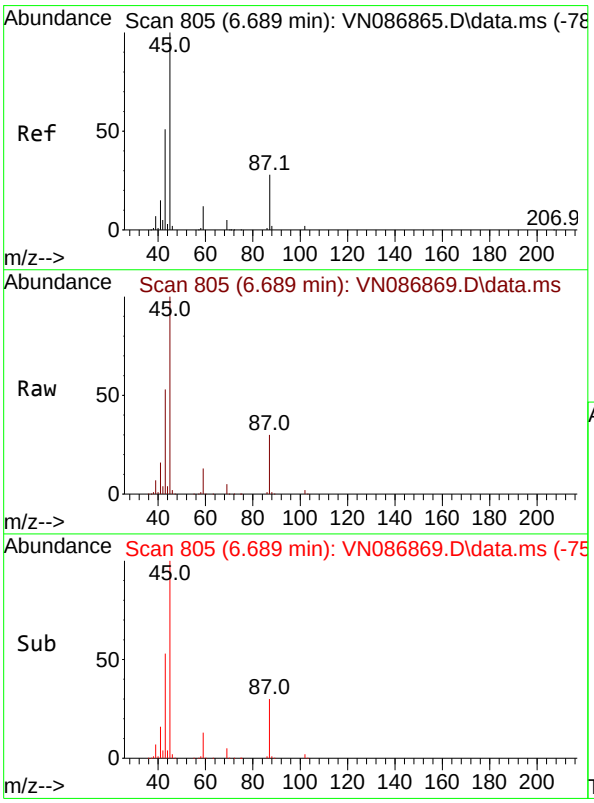
#21
trans-1,2-Dichloroethene
Concen: 49.437 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 96 Resp: 133535

Ion	Ratio	Lower	Upper
96	100		
61	136.8	109.2	163.8
98	65.2	49.8	74.8

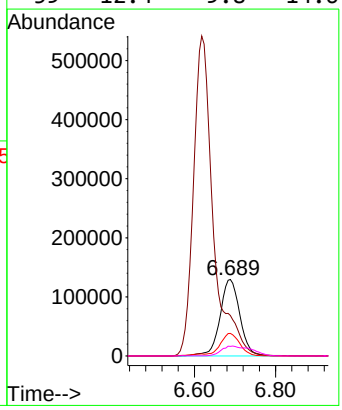


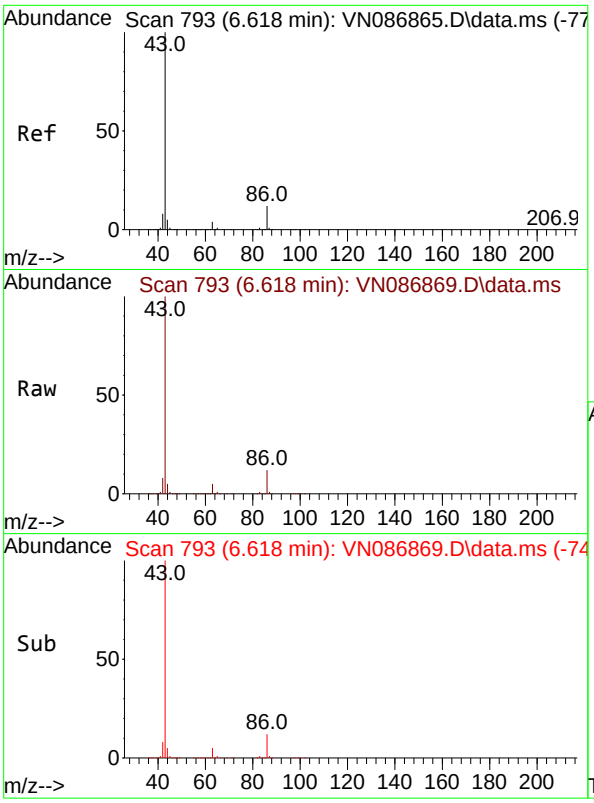


#22
Diisopropyl ether
Concen: 51.853 ug/l
RT: 6.689 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 45 Resp: 440080

Ion	Ratio	Lower	Upper
45	100		
43	52.4	41.9	62.9
87	29.5	22.4	33.6
59	12.4	9.8	14.6



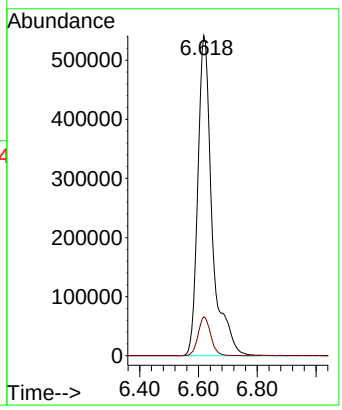


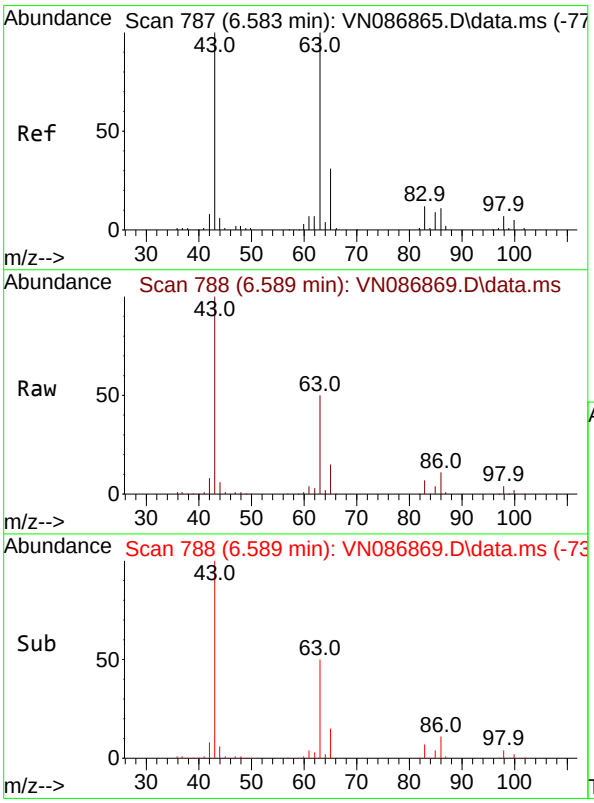
#23
Vinyl Acetate
Concen: 255.055 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 43 Resp: 1828919

Ion	Ratio	Lower	Upper
43	100		
86	12.1	9.5	14.3

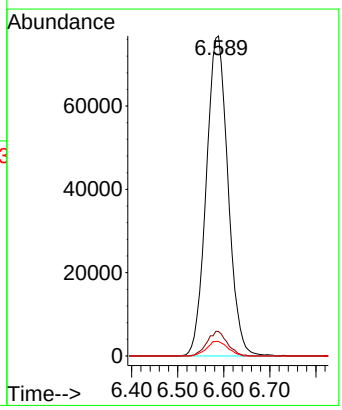


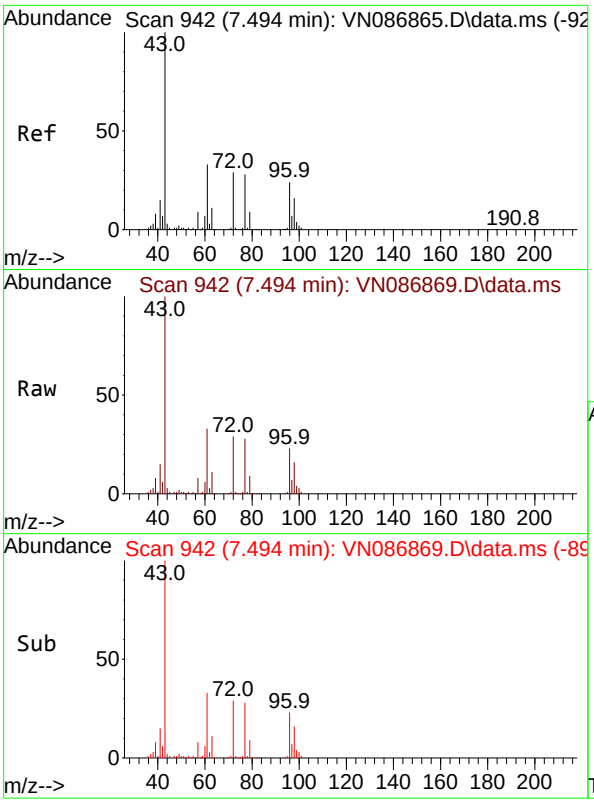


#24
1,1-Dichloroethane
Concen: 51.487 ug/l
RT: 6.589 min Scan# 788
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 63 Resp: 251473

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.6	10.8
100	4.6	2.6	7.8



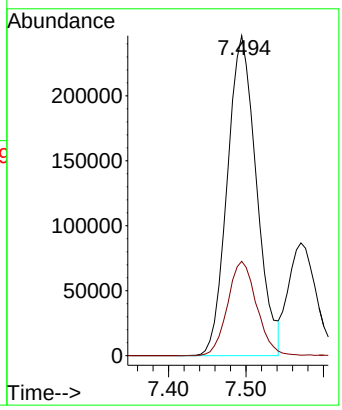


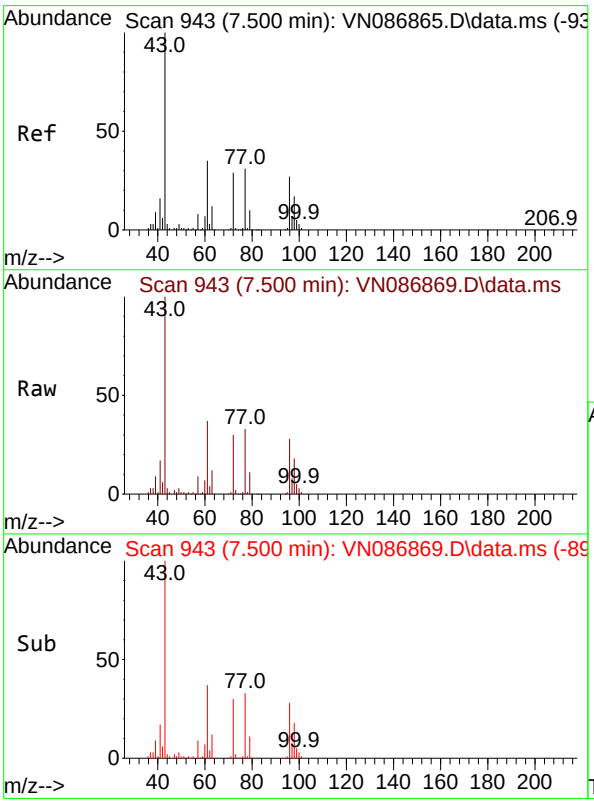
#25
2-Butanone
Concen: 255.897 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 43 Resp: 644194

Ion	Ratio	Lower	Upper
43	100		
72	29.5	23.0	34.6

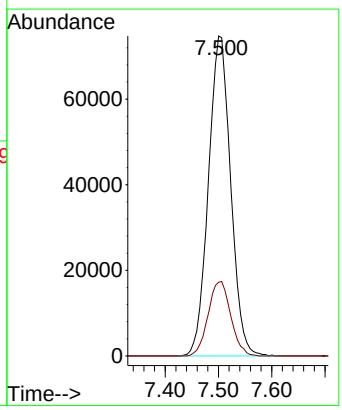


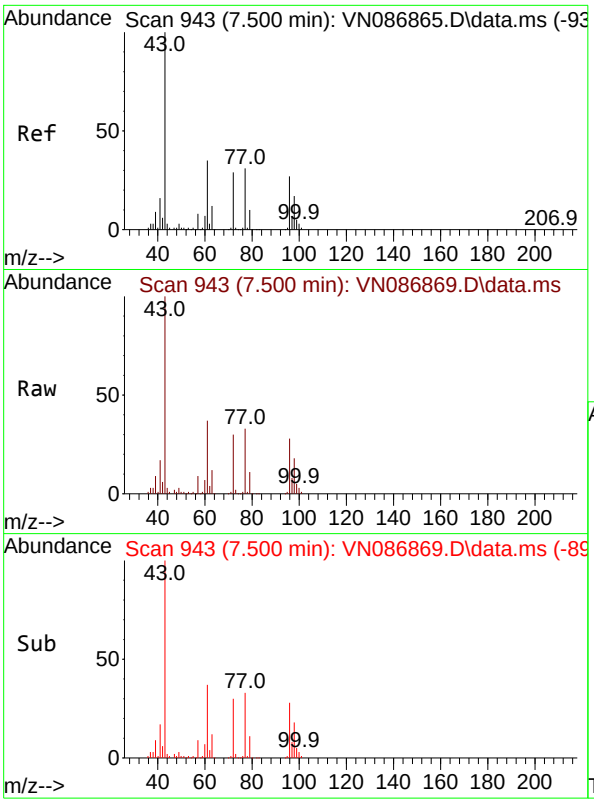


#26
2,2-Dichloropropane
Concen: 57.031 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 77 Resp: 216678

Ion	Ratio	Lower	Upper
77	100		
97	23.7	11.6	34.7



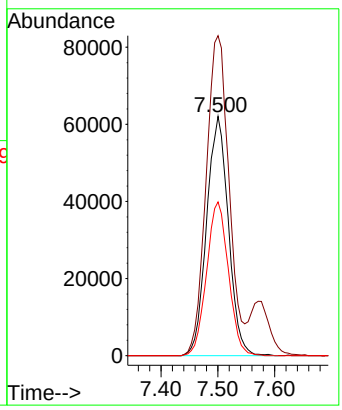


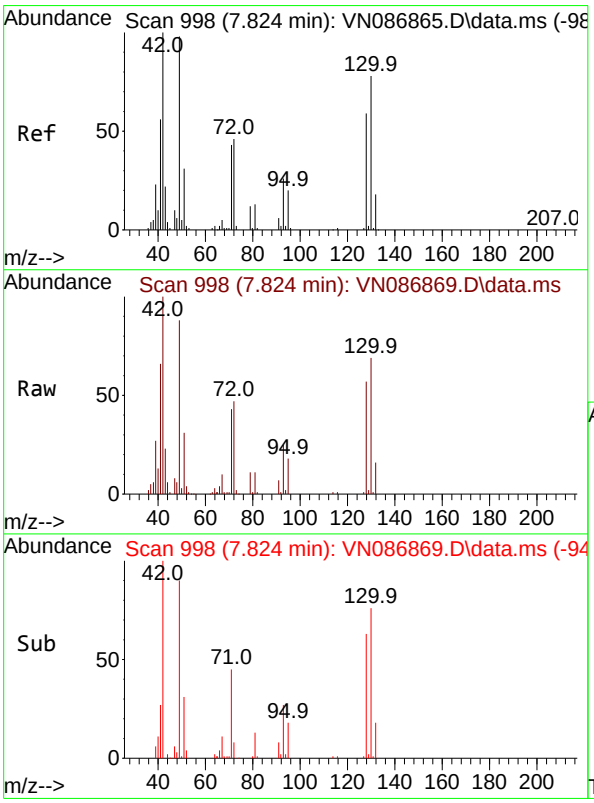
#27
cis-1,2-Dichloroethene
Concen: 51.073 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 96 Resp: 164985

Ion	Ratio	Lower	Upper
96	100		
61	140.3	0.0	278.0
98	64.5	0.0	128.2

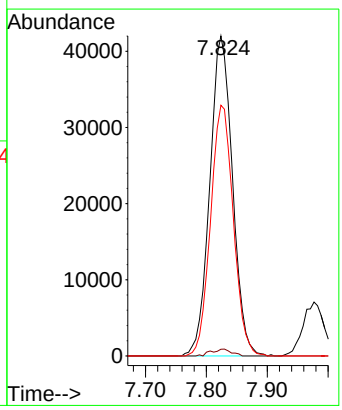


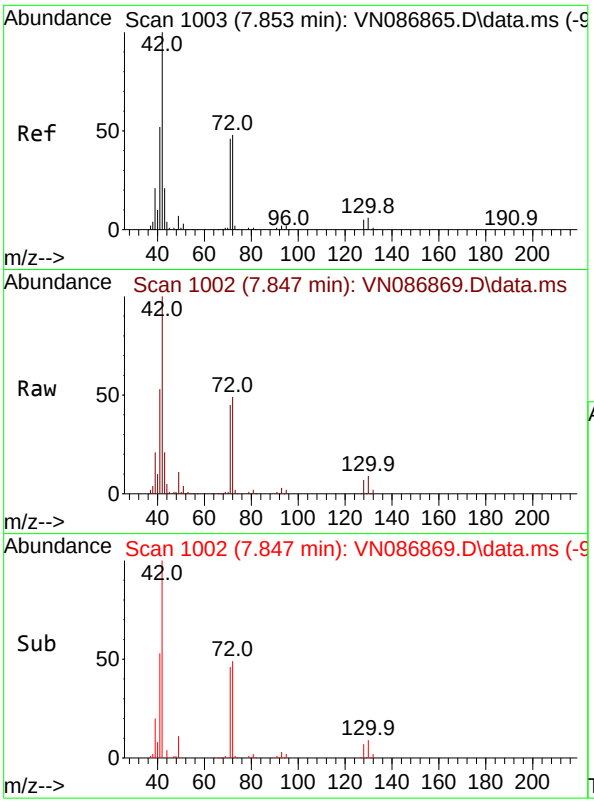


#28
Bromochloromethane
Concen: 45.310 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 49 Resp: 108810

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	78.5	62.2	93.2



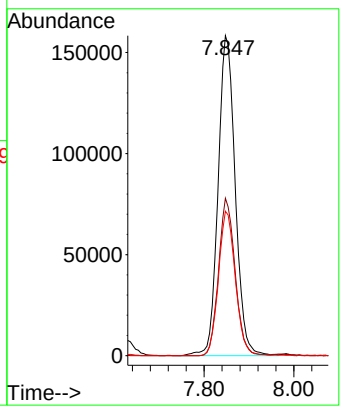


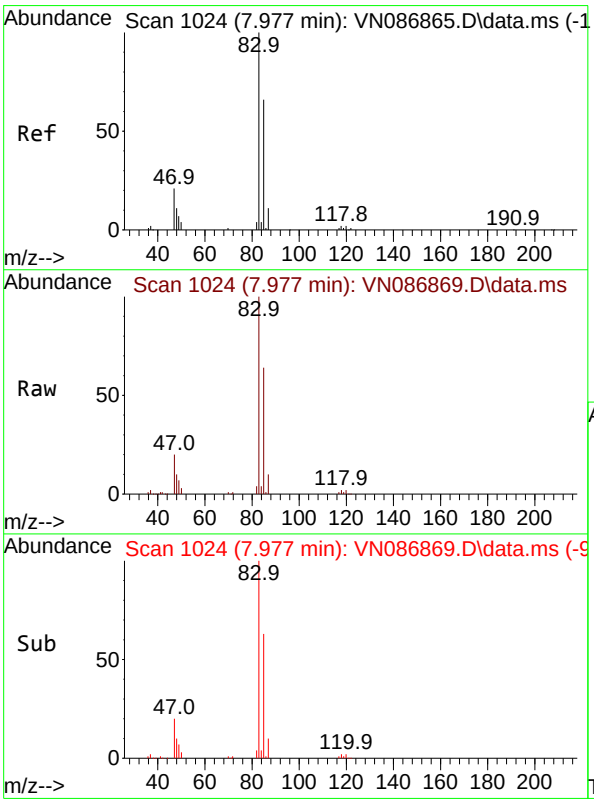
#29
Tetrahydrofuran
Concen: 256.656 ug/l
RT: 7.847 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 42 Resp: 420891

Ion	Ratio	Lower	Upper
42	100		
72	47.5	37.8	56.6
71	44.5	35.6	53.4

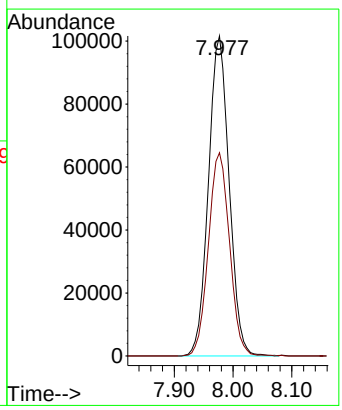


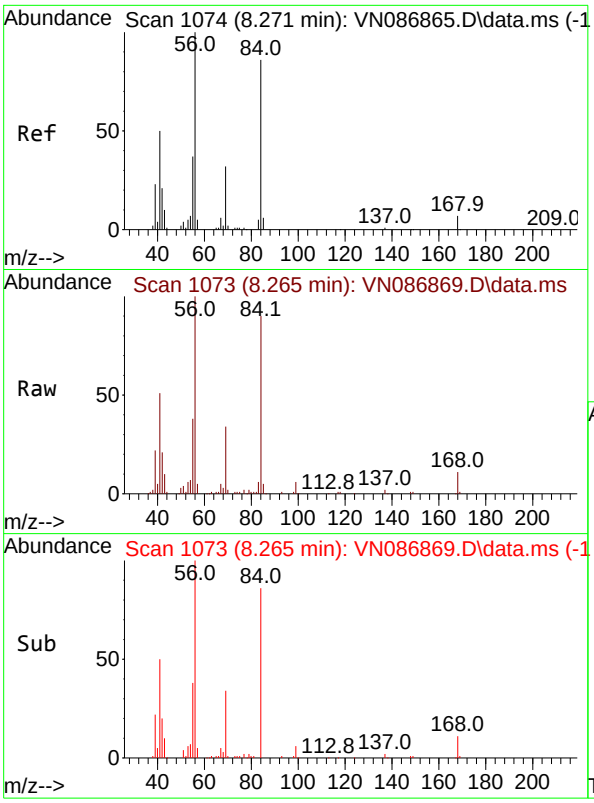


#30
Chloroform
Concen: 50.933 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 83 Resp: 248429

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.9	79.3



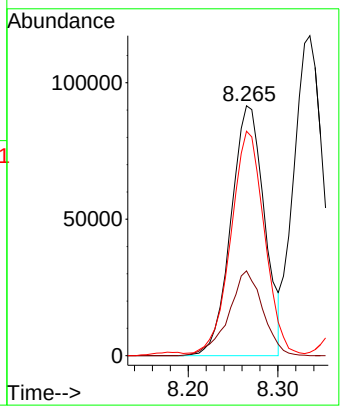


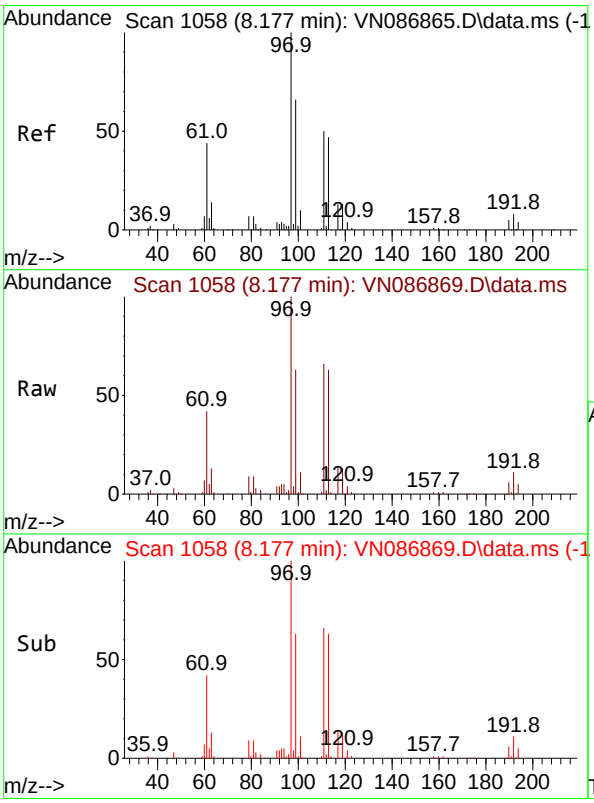
#31
Cyclohexane
Concen: 50.212 ug/l
RT: 8.265 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 56 Resp: 237836

Ion	Ratio	Lower	Upper
56	100		
69	33.9	25.4	38.0
84	88.4	68.8	103.2

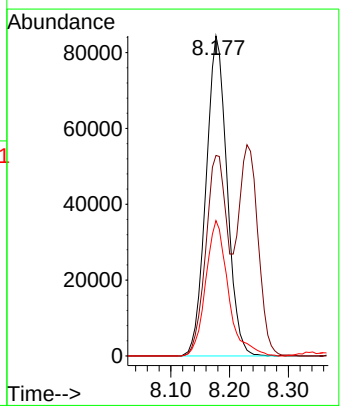


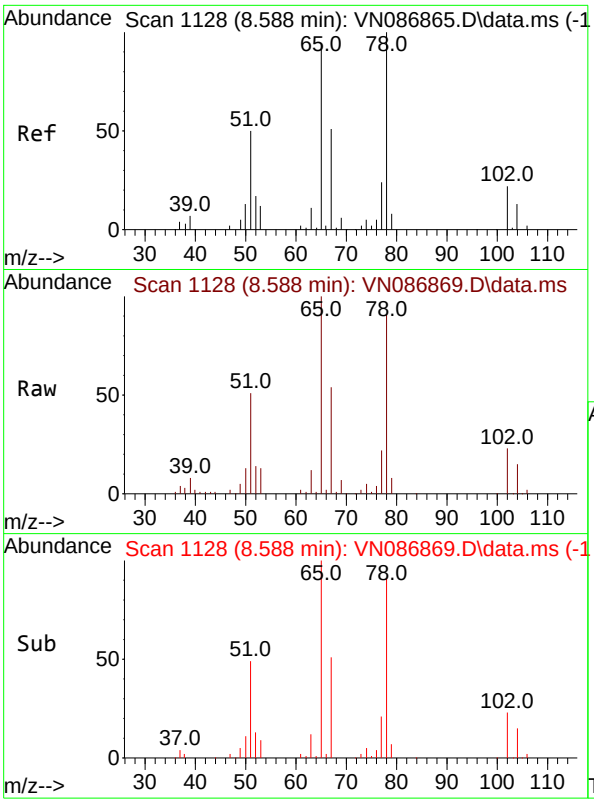


#32
1,1,1-Trichloroethane
Concen: 50.603 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 97 Resp: 209927

Ion	Ratio	Lower	Upper
97	100		
99	61.7	52.0	78.0
61	45.4	35.9	53.9



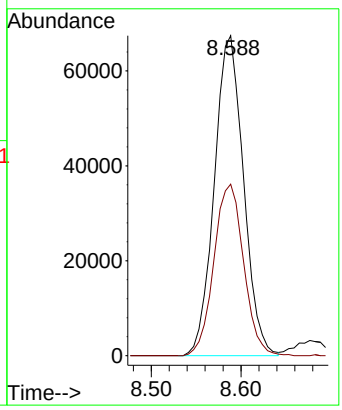


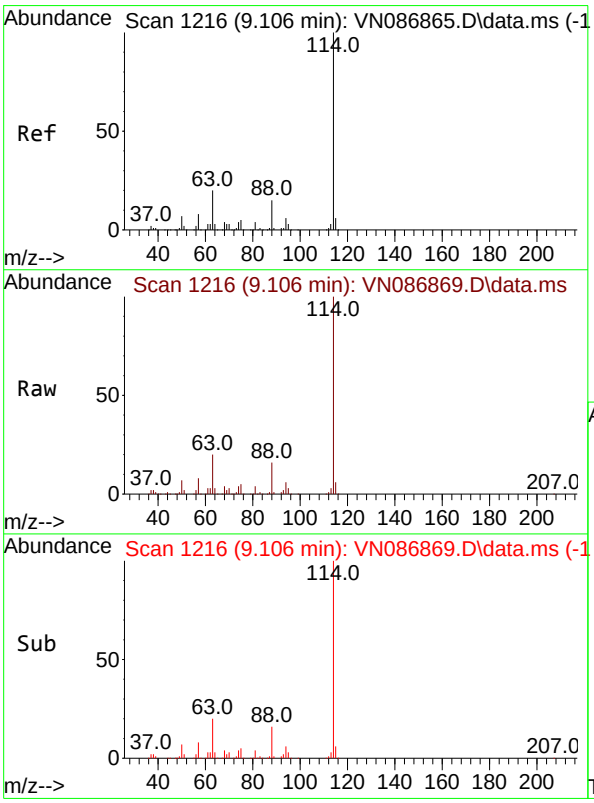
#33
1,2-Dichloroethane-d4
Concen: 52.135 ug/l
RT: 8.588 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 65 Resp: 152255

Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	105.6

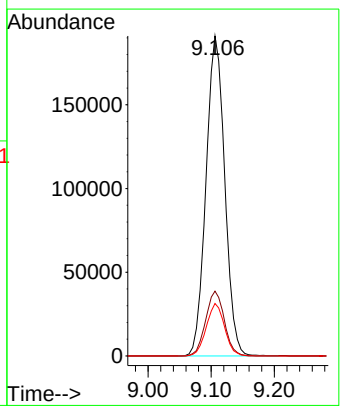


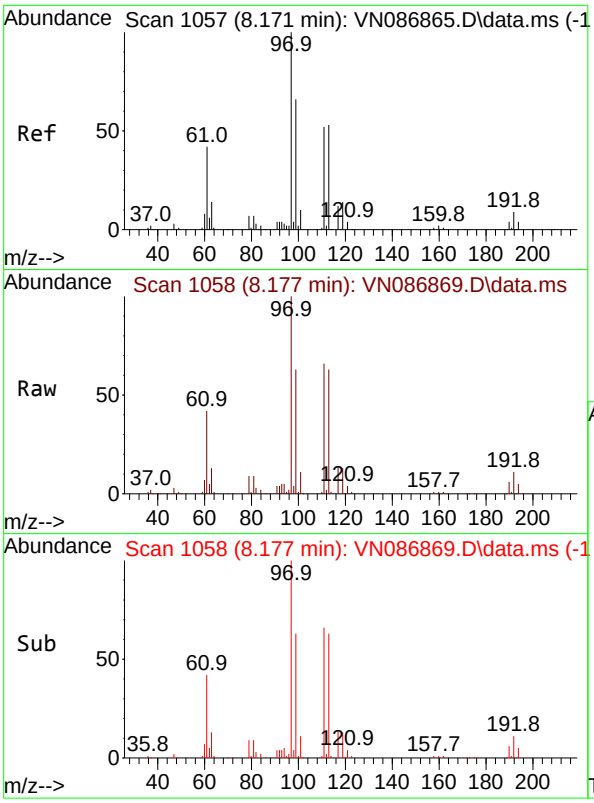


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:114 Resp: 394140

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.6
88	16.4	0.0	30.2



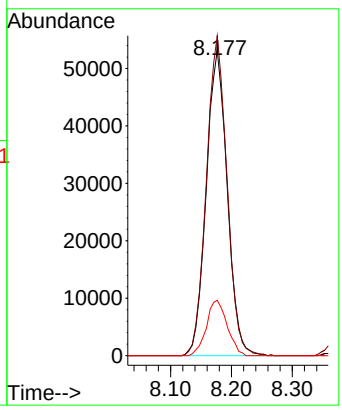


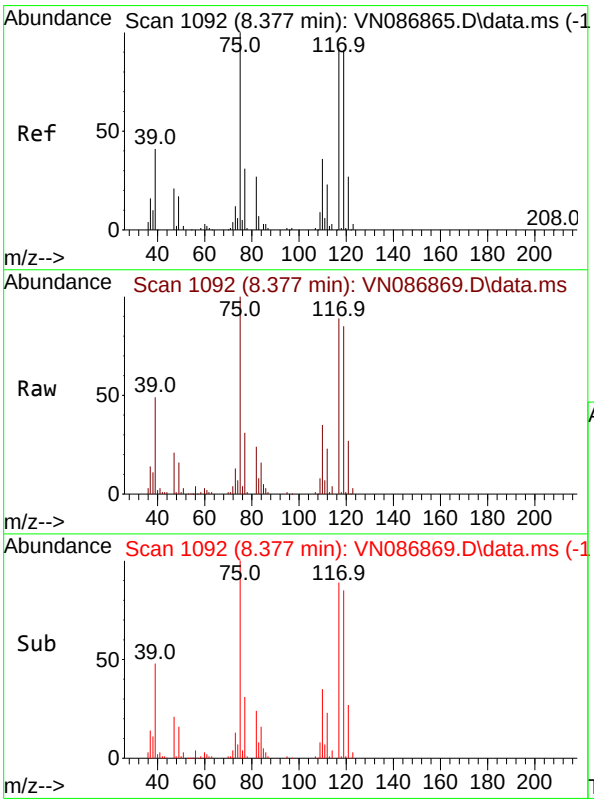
#35
Dibromofluoromethane
Concen: 54.416 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:113 Resp: 127102

Ion	Ratio	Lower	Upper
113	100		
111	103.4	84.2	126.2
192	18.0	14.2	21.4

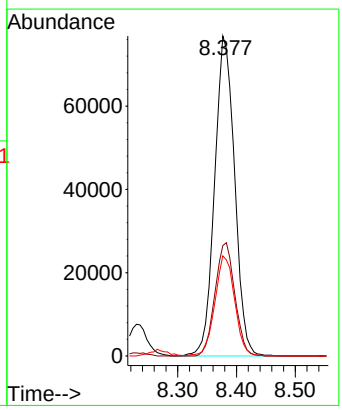


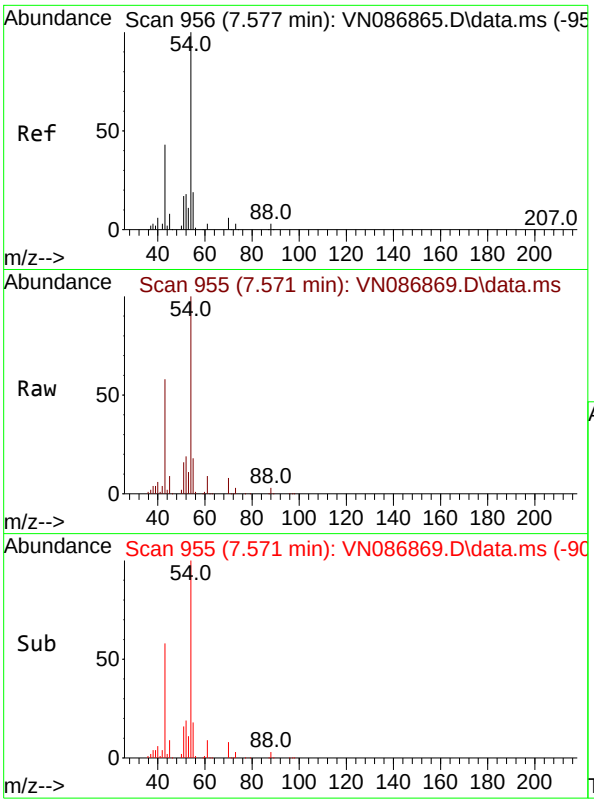


#36
1,1-Dichloropropene
Concen: 52.123 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 75 Resp: 181414

Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.6	52.9
77	31.0	25.3	37.9



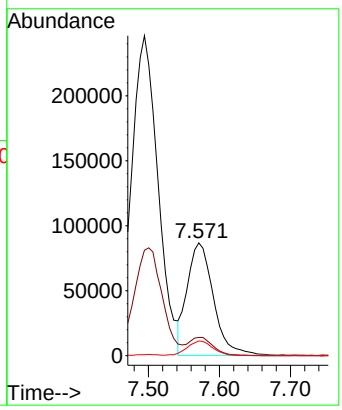


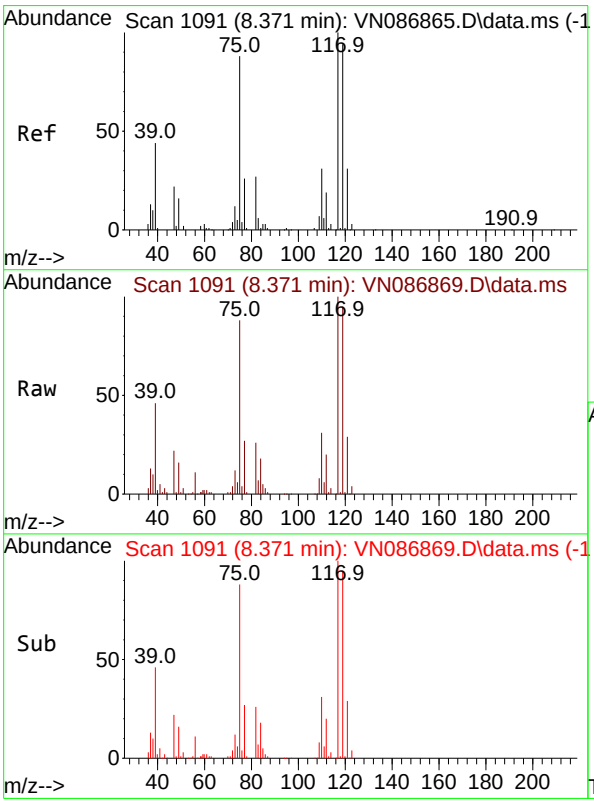
#37
Ethyl Acetate
Concen: 50.125 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 43 Resp: 222090

Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.1	18.1
70	12.9	9.8	14.6

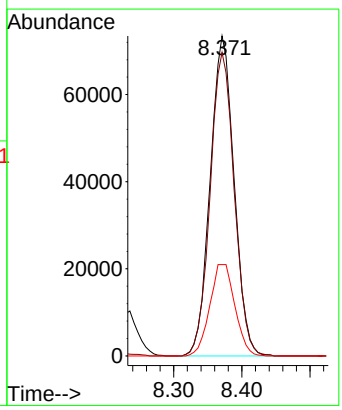


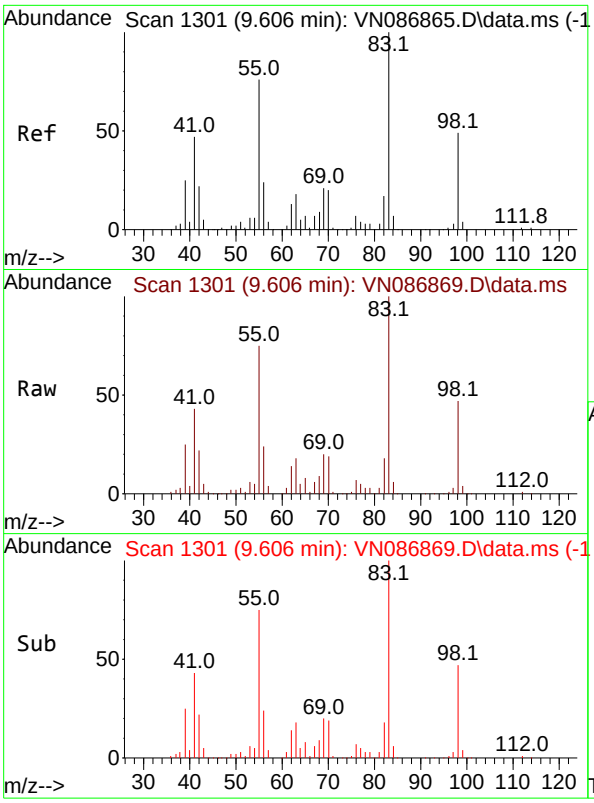


#38
Carbon Tetrachloride
Concen: 52.466 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:117 Resp: 179281

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.0	112.6
121	28.5	24.9	37.3



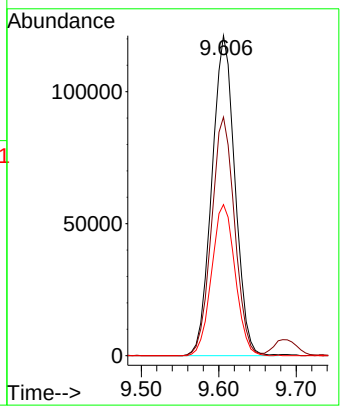


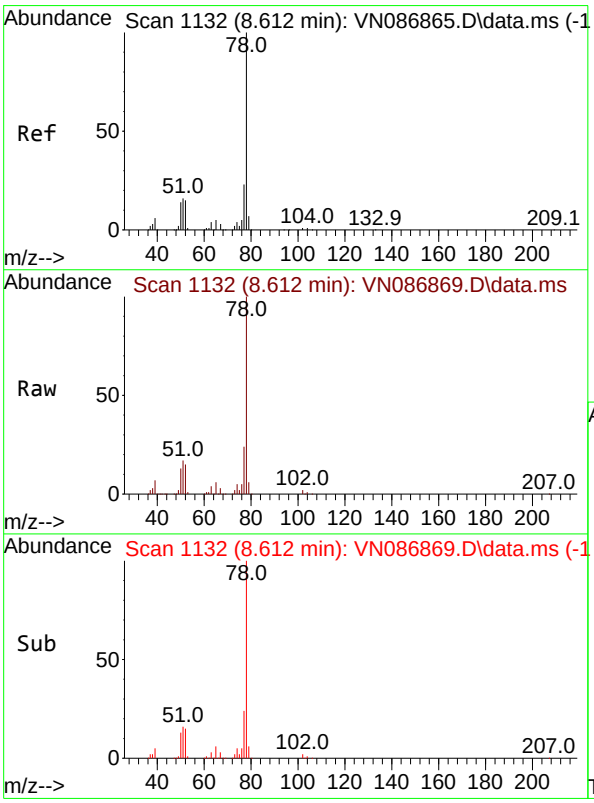
#39
Methylcyclohexane
Concen: 52.686 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 83 Resp: 251231

Ion	Ratio	Lower	Upper
83	100		
55	74.5	61.0	91.6
98	47.2	38.9	58.3

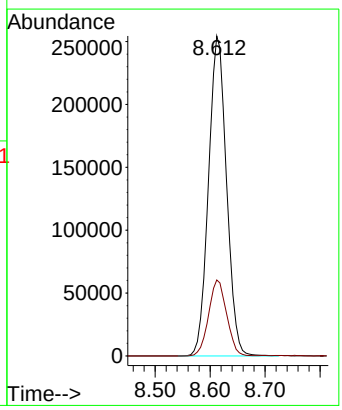


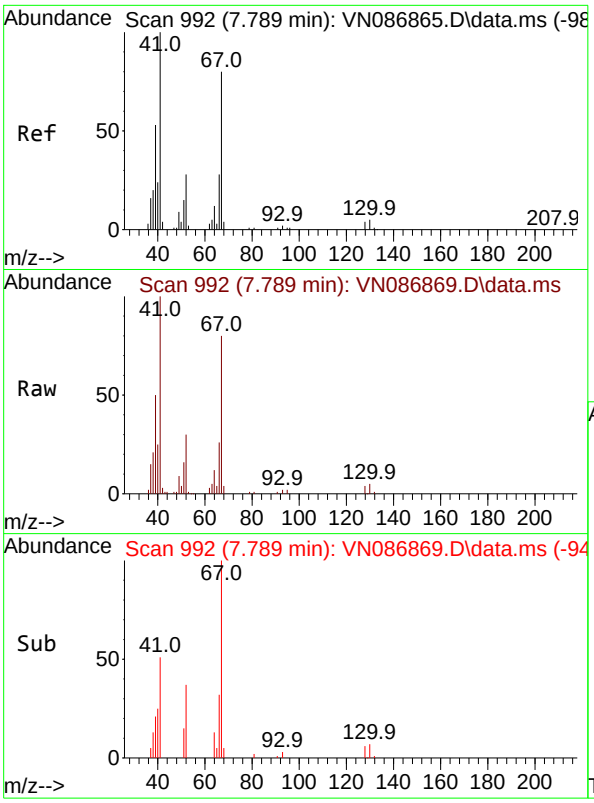


#40
Benzene
Concen: 50.931 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 78 Resp: 579667

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1



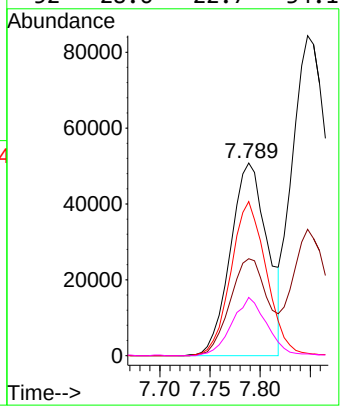


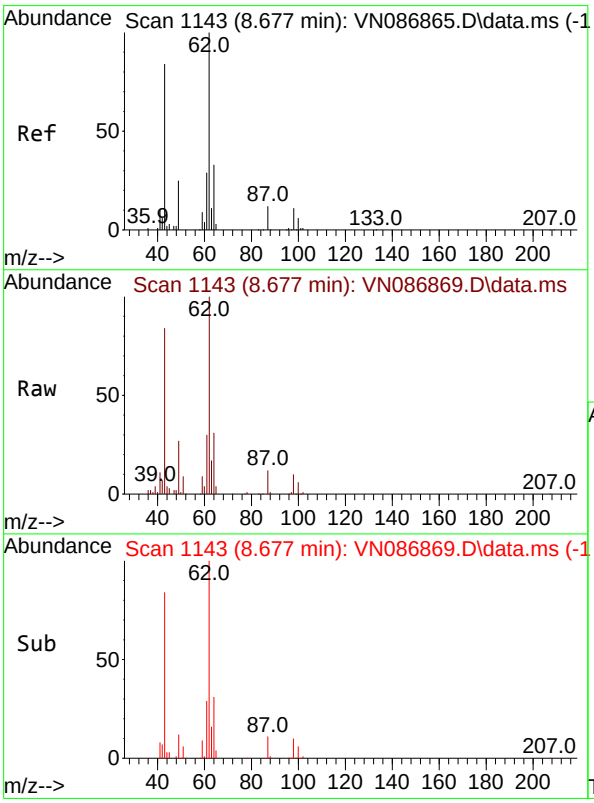
#41
Methacrylonitrile
Concen: 52.607 ug/l
RT: 7.789 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 41 Resp: 130903

Ion	Ratio	Lower	Upper
41	100		
39	51.3	41.2	61.8
67	76.9	61.4	92.2
52	28.6	22.7	34.1

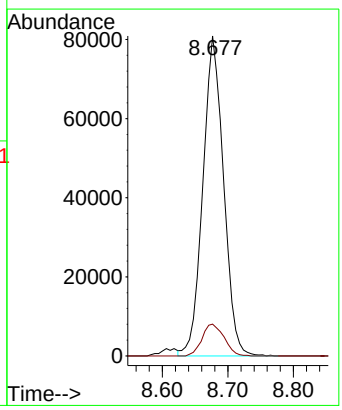


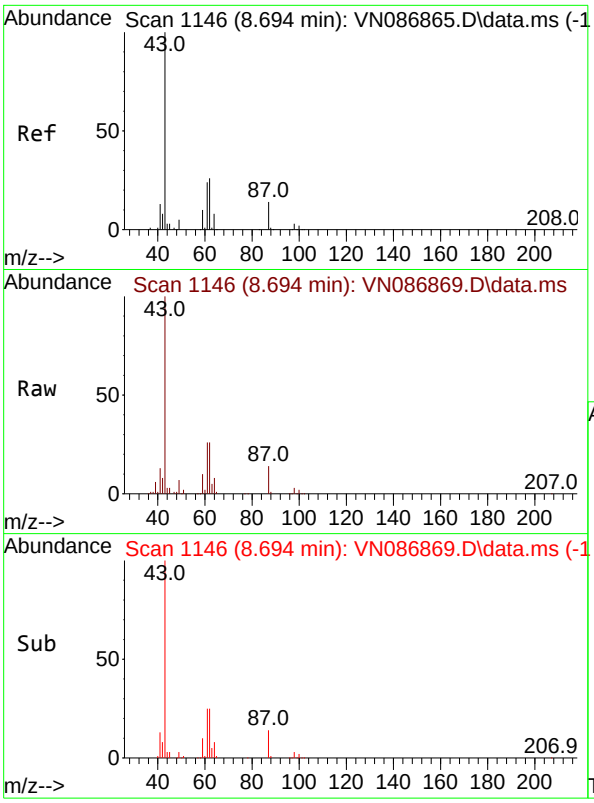


#42
1,2-Dichloroethane
Concen: 51.489 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 62 Resp: 177746

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.2



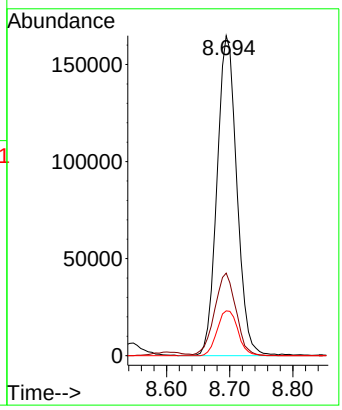


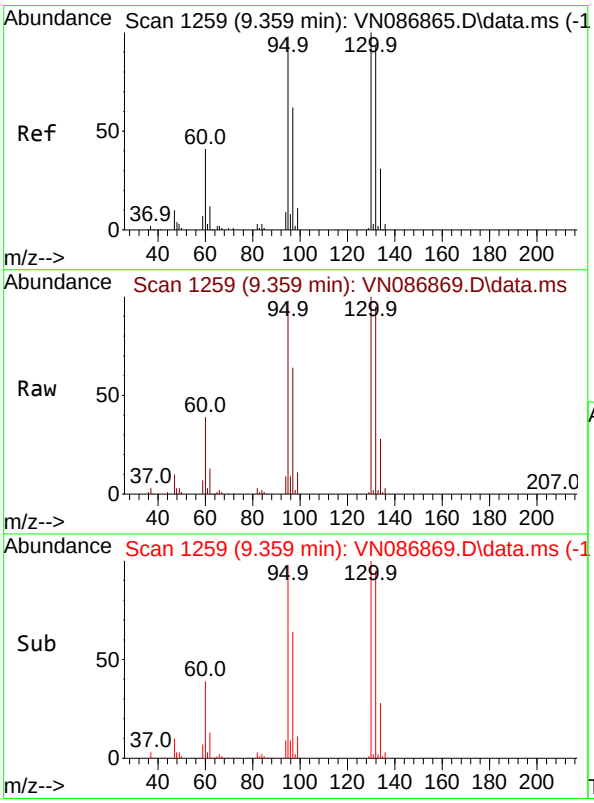
#43
Isopropyl Acetate
Concen: 50.536 ug/l
RT: 8.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 43 Resp: 359378

Ion	Ratio	Lower	Upper
43	100		
61	27.9	22.1	33.1
87	14.8	11.8	17.6

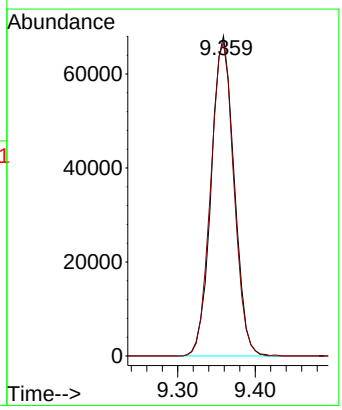


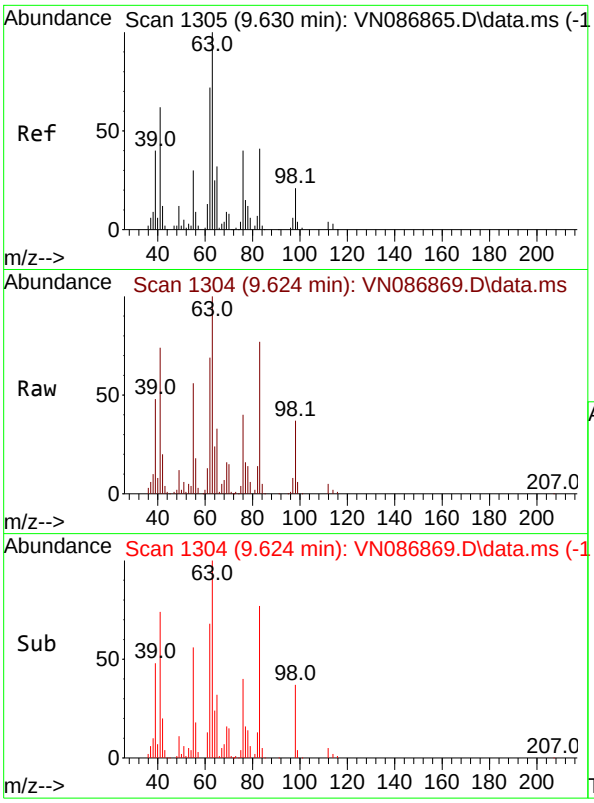


#44
Trichloroethene
Concen: 51.788 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:130 Resp: 139763

Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	196.2



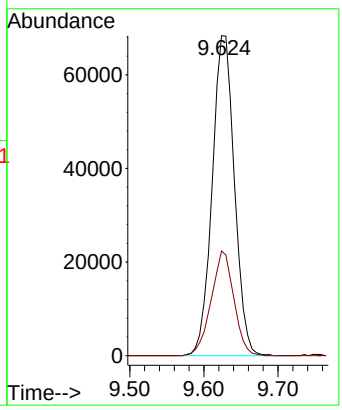


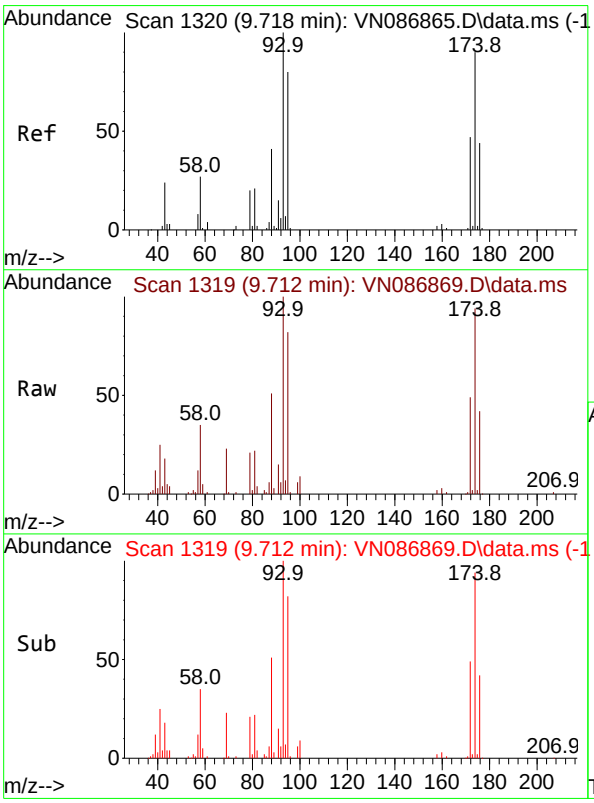
#45
1,2-Dichloropropane
Concen: 51.450 ug/l
RT: 9.624 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 63 Resp: 142463

Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.5	38.3

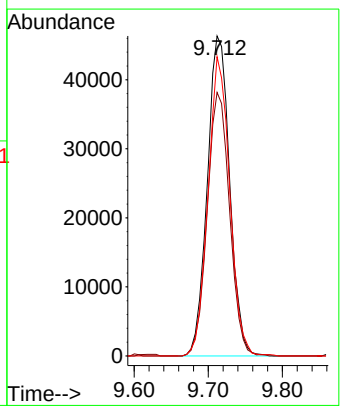


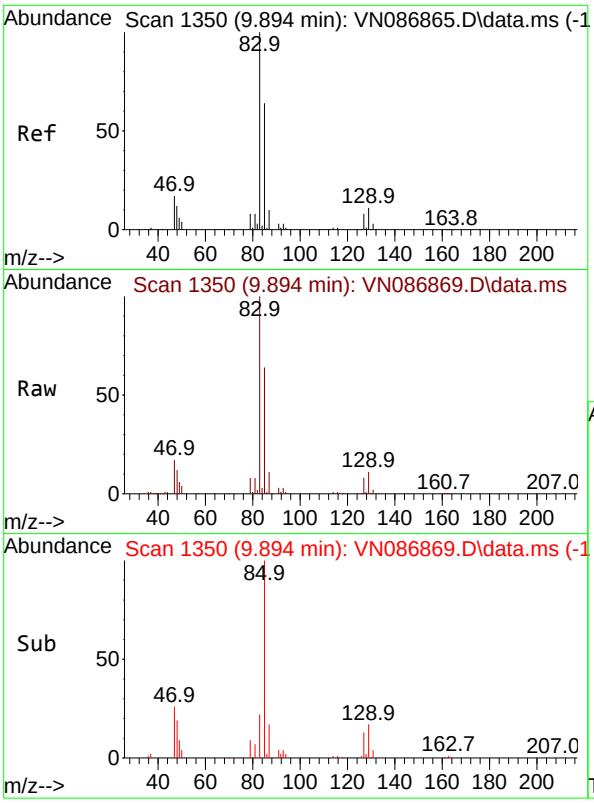


#46
Dibromomethane
Concen: 52.849 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 93 Resp: 97199

Ion	Ratio	Lower	Upper
93	100		
95	82.2	67.1	100.7
174	90.9	74.2	111.4



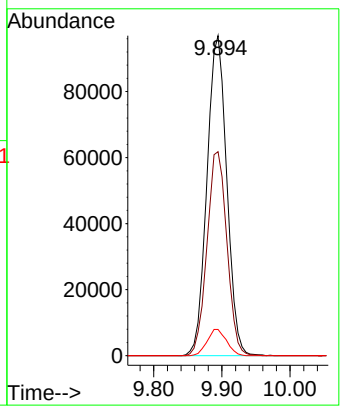


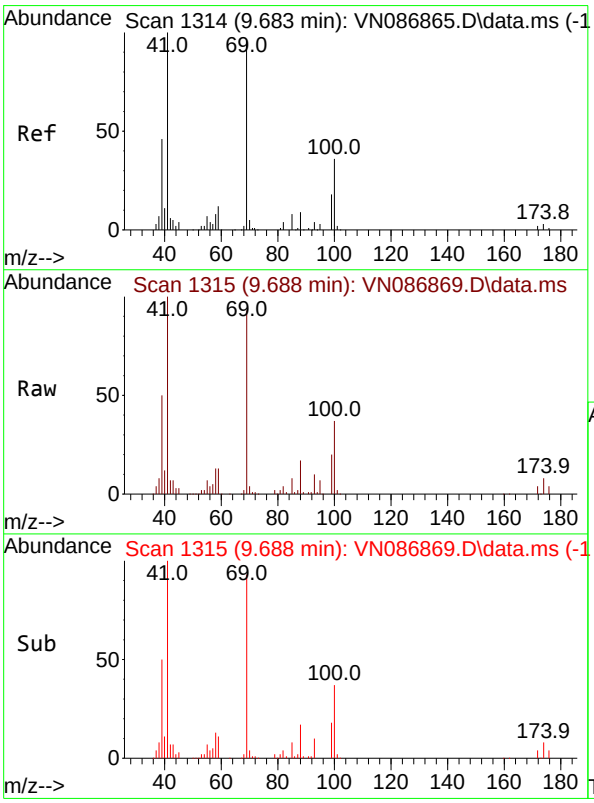
#47
Bromodichloromethane
Concen: 51.824 ug/l
RT: 9.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 83 Resp: 196104

Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.9	76.3
127	8.2	6.6	10.0

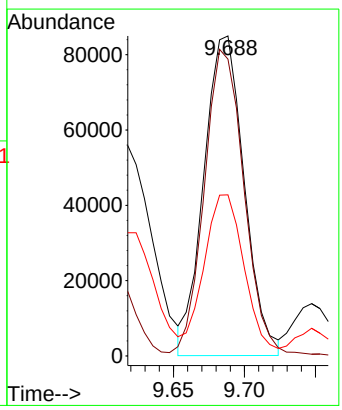


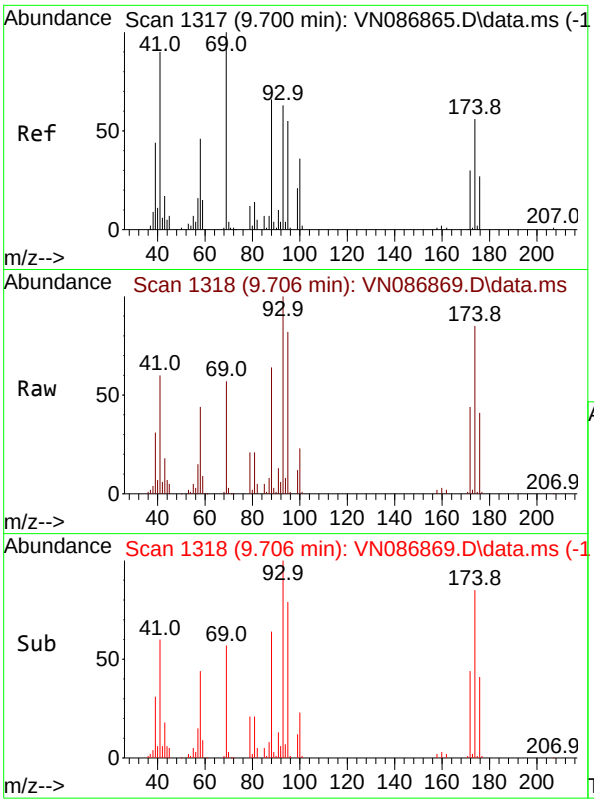


#48
Methyl methacrylate
Concen: 51.328 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 41 Resp: 168001

Ion	Ratio	Lower	Upper
41	100		
69	95.2	74.6	112.0
39	51.0	40.2	60.4



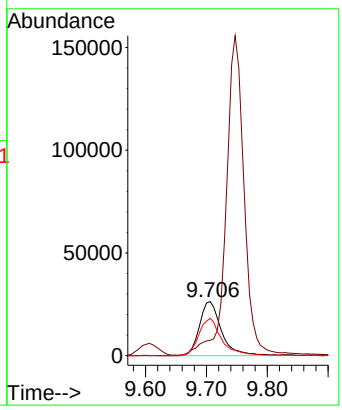


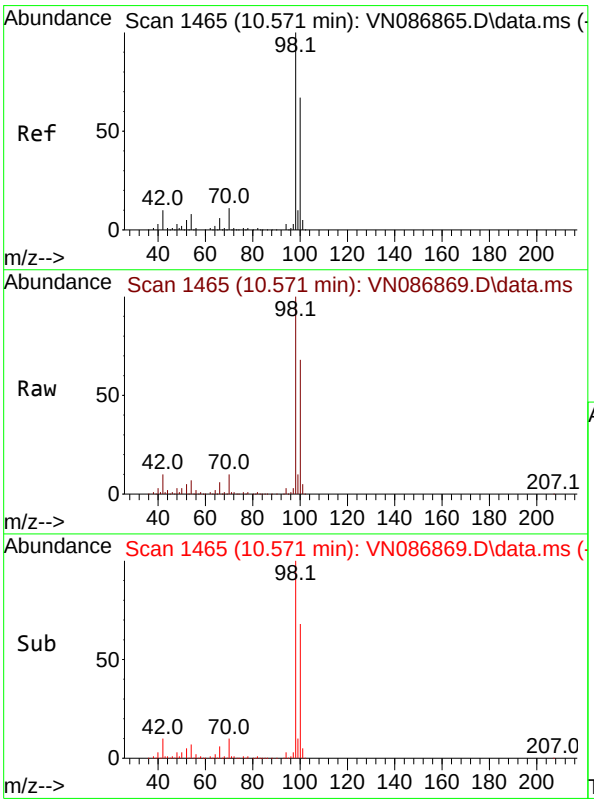
#49
1,4-Dioxane
Concen: 1110.123 ug/l
RT: 9.706 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 88 Resp: 66102

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	72.7	57.7	86.5

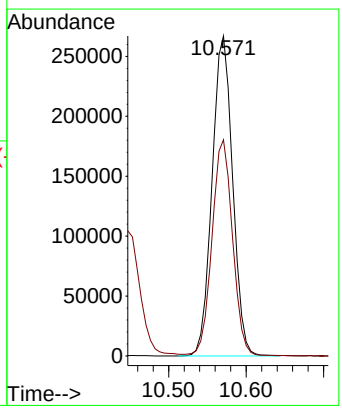


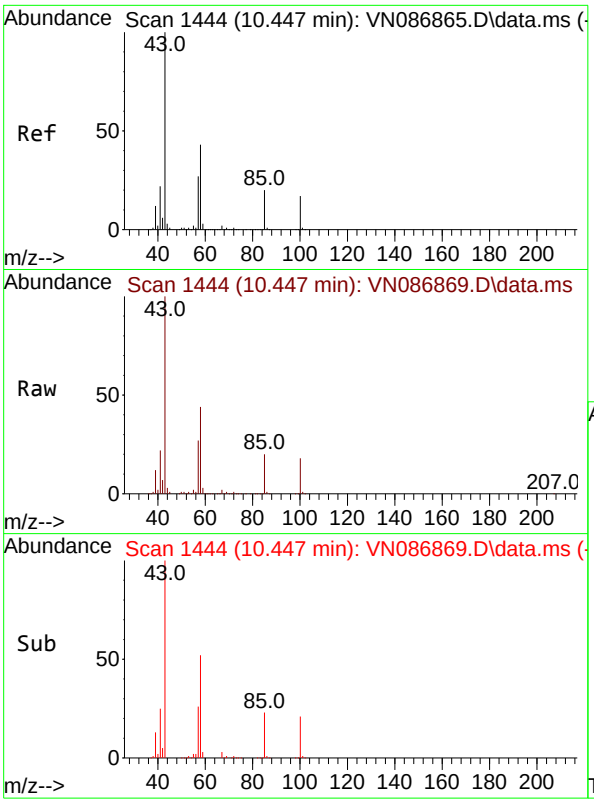


#50
Toluene-d8
Concen: 53.129 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 98 Resp: 491265

Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.4	80.0



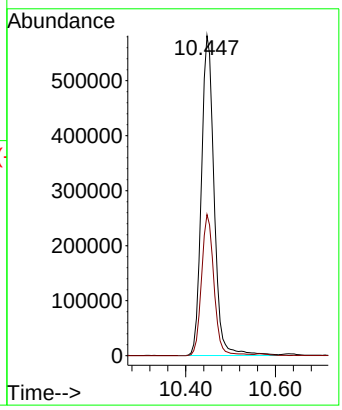


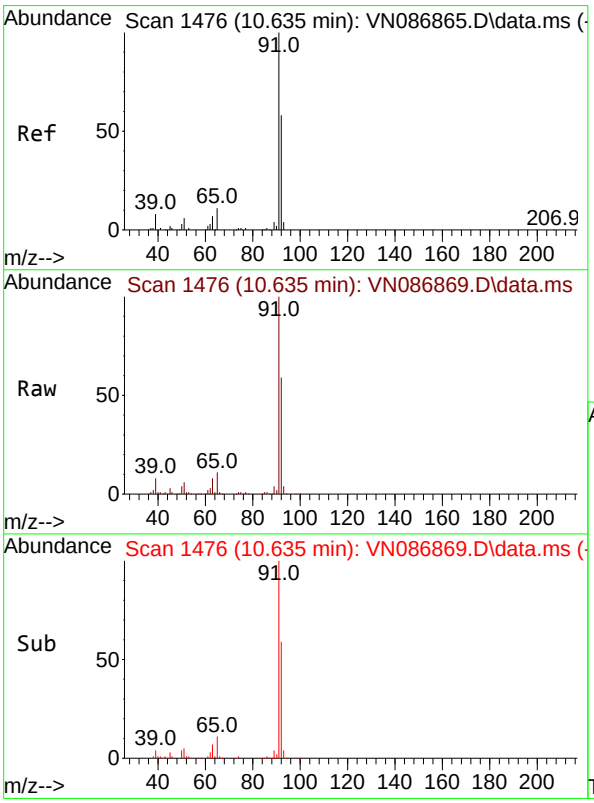
#51
4-Methyl-2-Pentanone
Concen: 267.835 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 43 Resp: 1146622

Ion	Ratio	Lower	Upper
43	100		
58	43.2	34.2	51.4

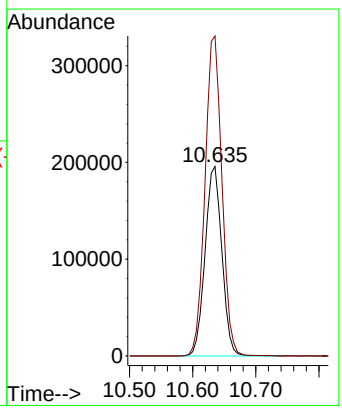


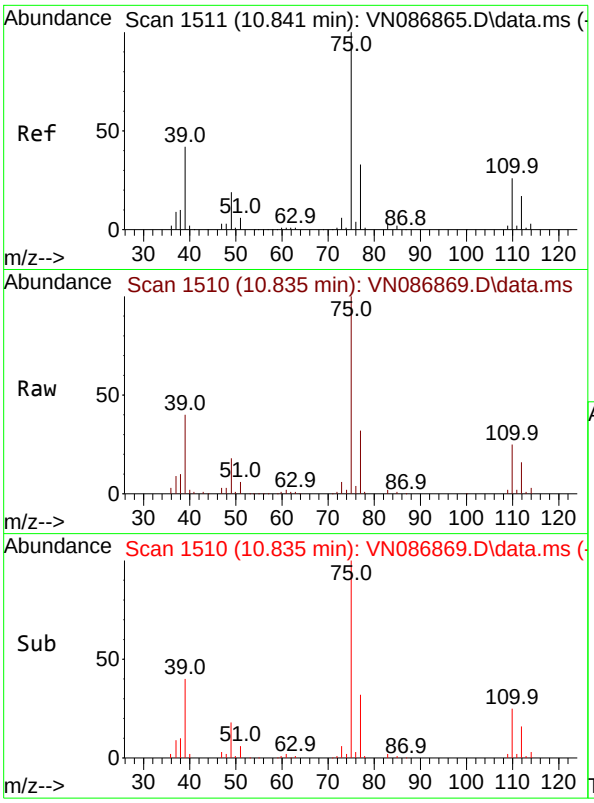


#52
Toluene
Concen: 52.040 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 92 Resp: 361963

Ion	Ratio	Lower	Upper
92	100		
91	169.8	136.5	204.7



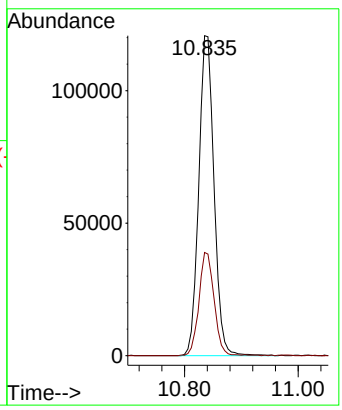


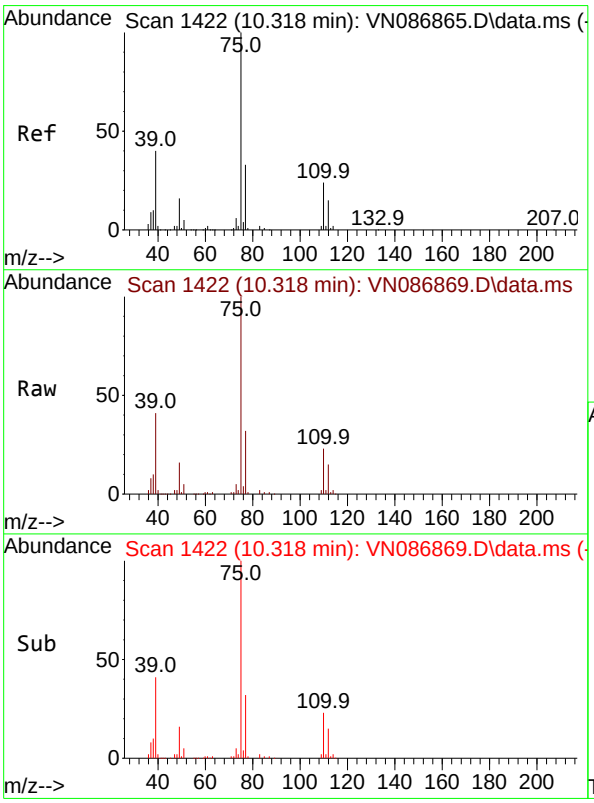
#53
t-1,3-Dichloropropene
Concen: 53.137 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 75 Resp: 224839

Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.4	39.6

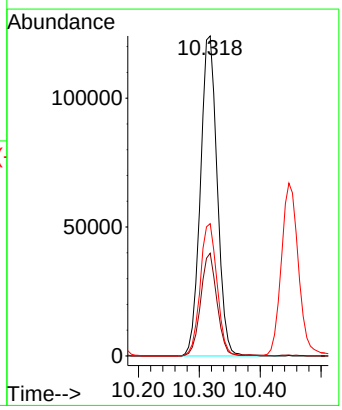


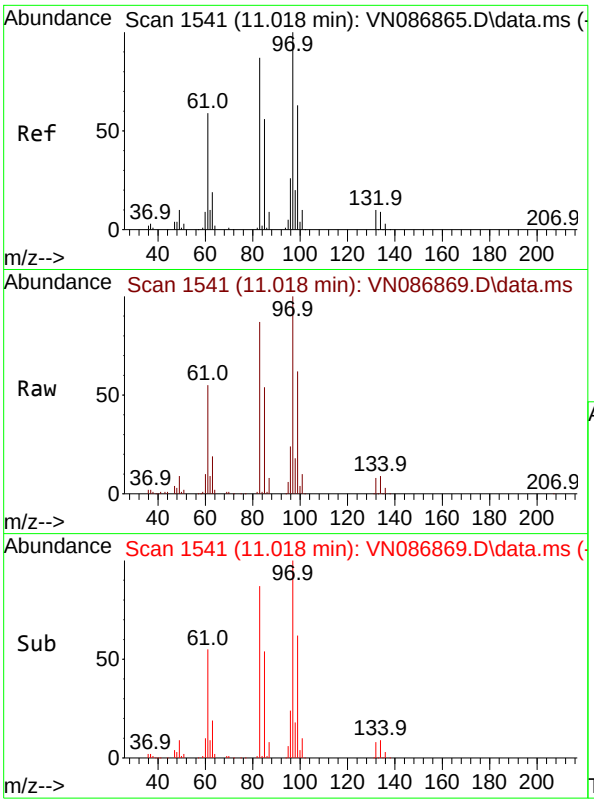


#54
cis-1,3-Dichloropropene
Concen: 52.519 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 75 Resp: 237774

Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.2	39.4
39	41.3	32.3	48.5



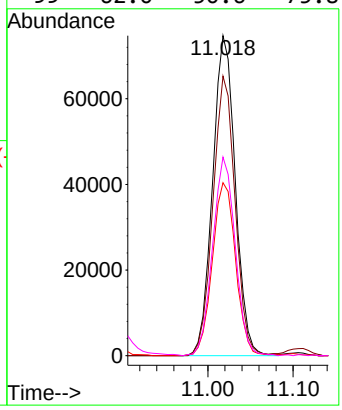


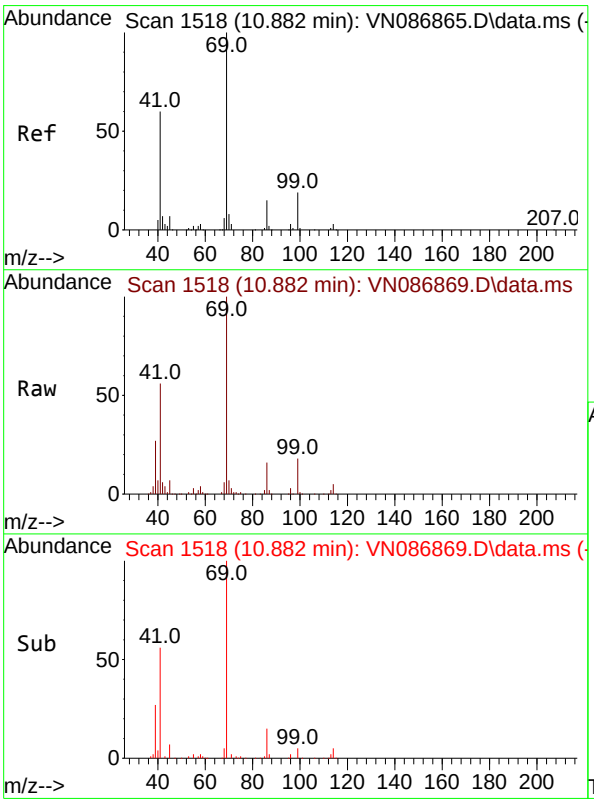
#55
1,1,2-Trichloroethane
Concen: 51.562 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 97 Resp: 137998

Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.7	104.5
85	54.1	45.1	67.7
99	62.0	50.6	75.8

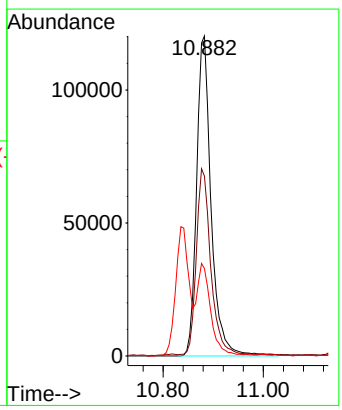


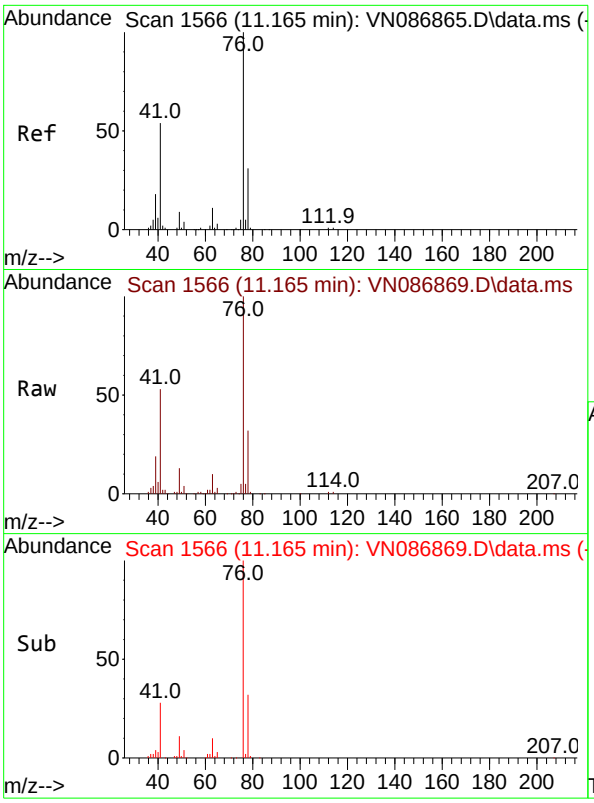


#56
Ethyl methacrylate
Concen: 56.688 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 69 Resp: 241649

Ion	Ratio	Lower	Upper
69	100		
41	57.7	47.2	70.8
39	27.4	23.0	34.6



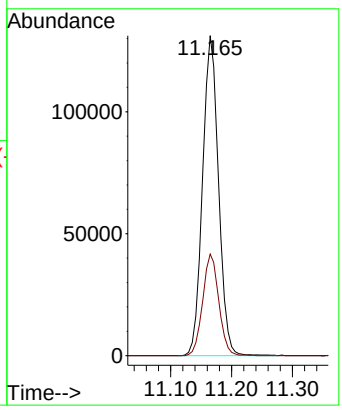


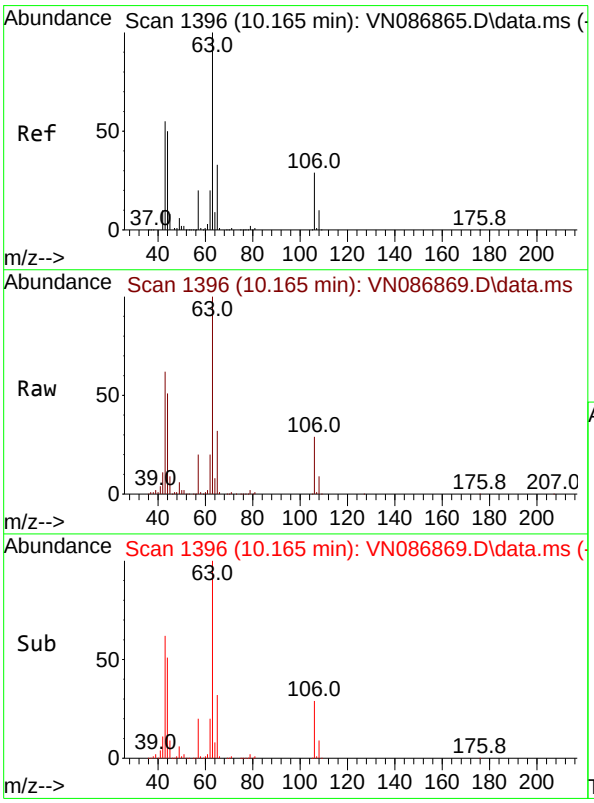
#57
1,3-Dichloropropane
Concen: 51.386 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 76 Resp: 238572

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.3	37.9

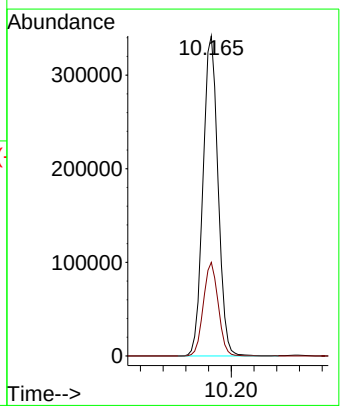


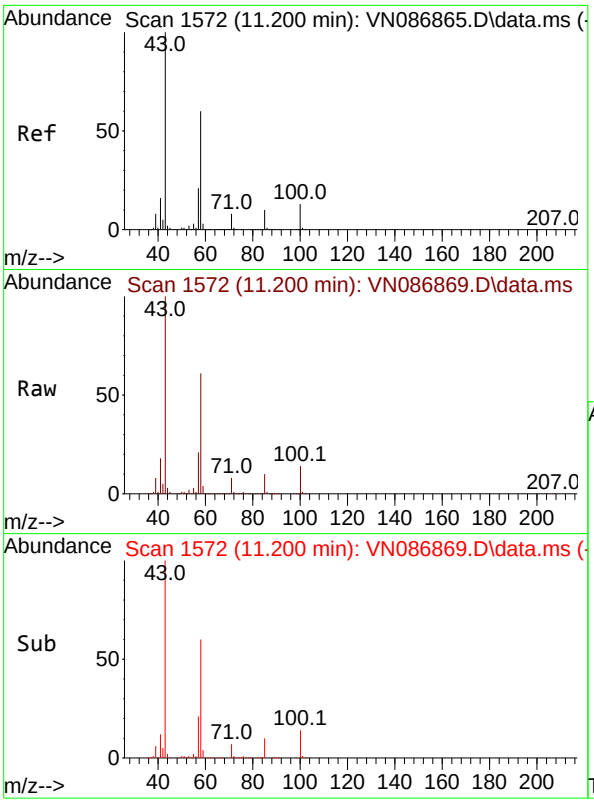


#58
2-Chloroethyl Vinyl ether
Concen: 246.006 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 63 Resp: 625479

Ion	Ratio	Lower	Upper
63	100		
106	28.9	23.0	34.6



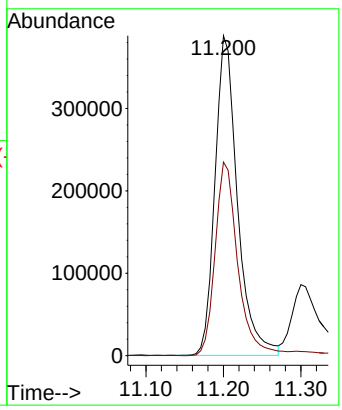


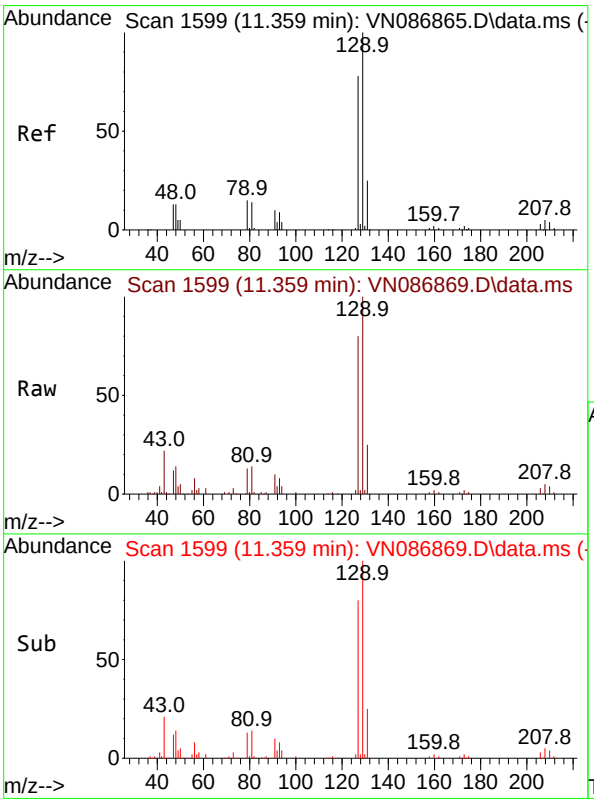
#59
2-Hexanone
Concen: 283.478 ug/l
RT: 11.200 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 43 Resp: 781717

Ion	Ratio	Lower	Upper
43	100		
58	61.2	30.4	91.3

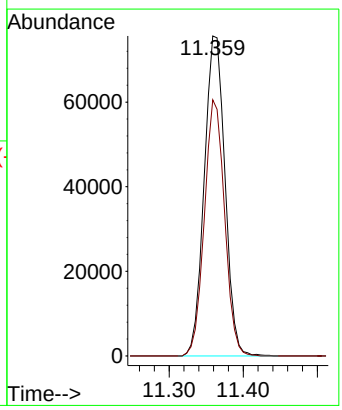


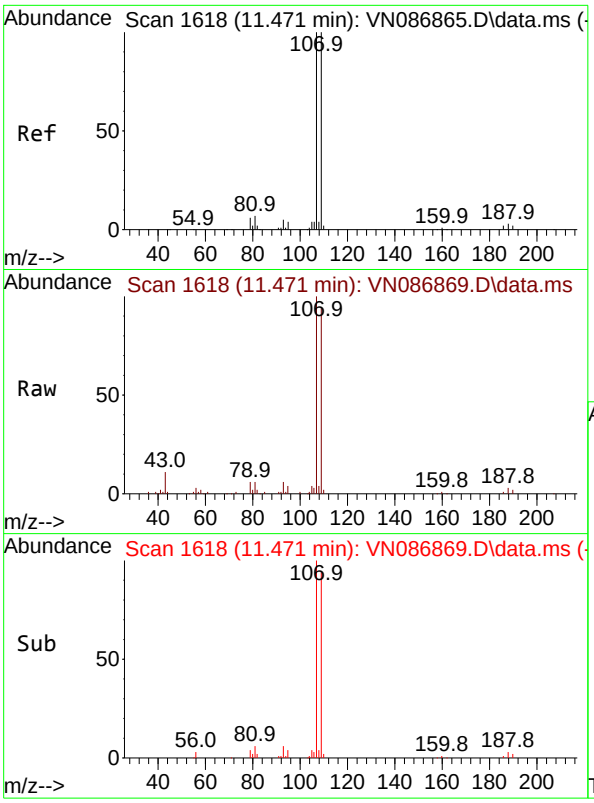


#60
Dibromochloromethane
Concen: 52.627 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:129 Resp: 146749

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.6	115.8



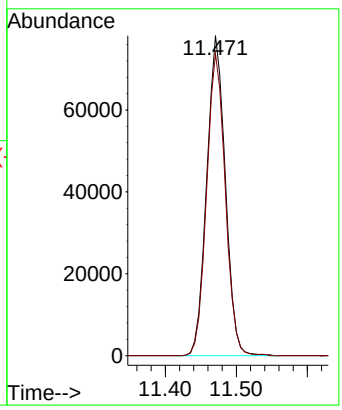


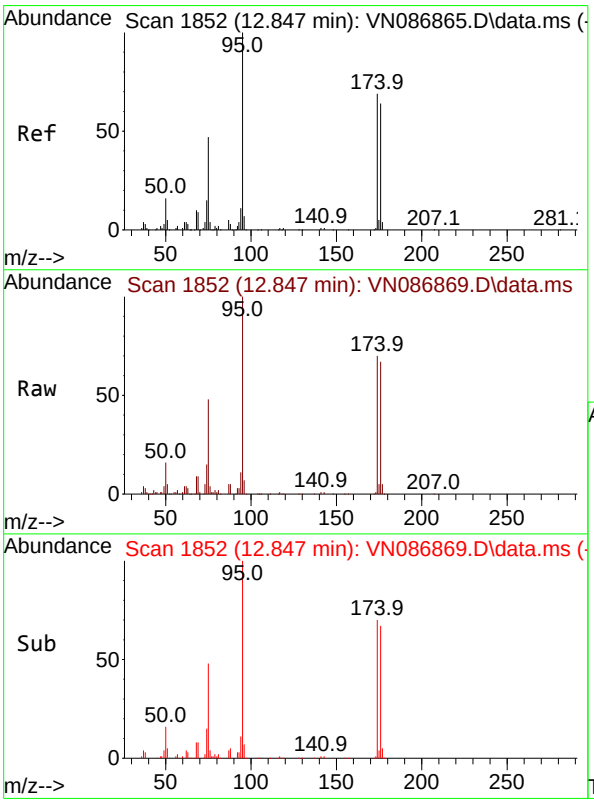
#61
1,2-Dibromoethane
Concen: 51.887 ug/l
RT: 11.471 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:107 Resp: 142338

Ion	Ratio	Lower	Upper
107	100		
109	94.5	76.3	114.5

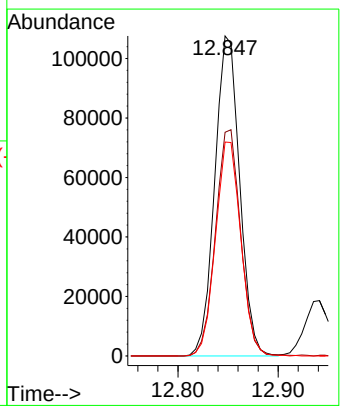


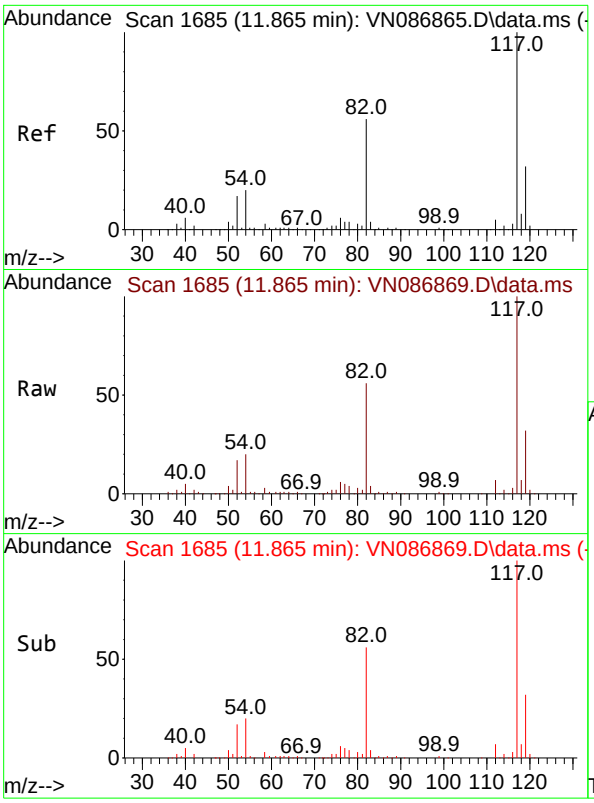


#62
4-Bromofluorobenzene
Concen: 54.081 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 95 Resp: 185792

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	141.8
176	68.1	0.0	132.6



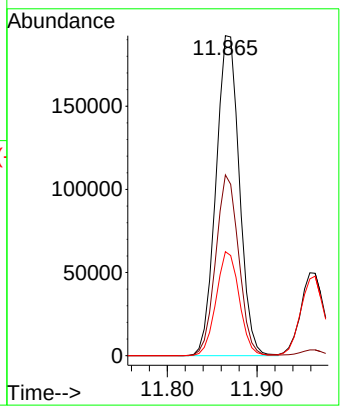


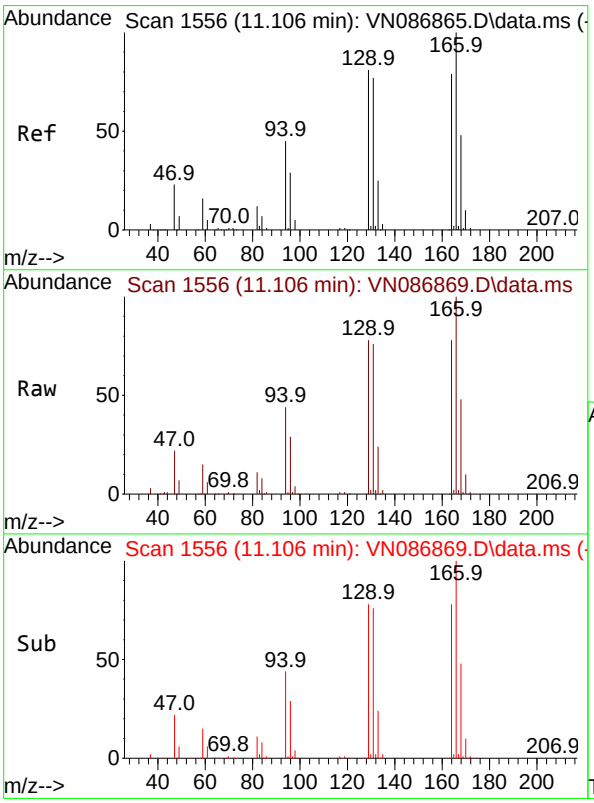
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:117 Resp: 348935

Ion	Ratio	Lower	Upper
117	100		
82	56.5	44.6	67.0
119	32.5	25.5	38.3

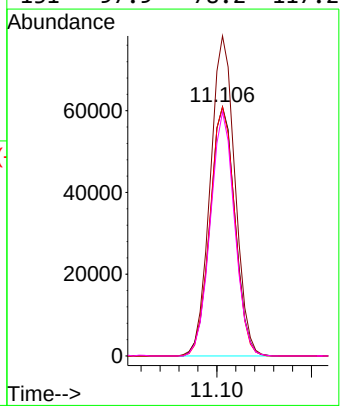


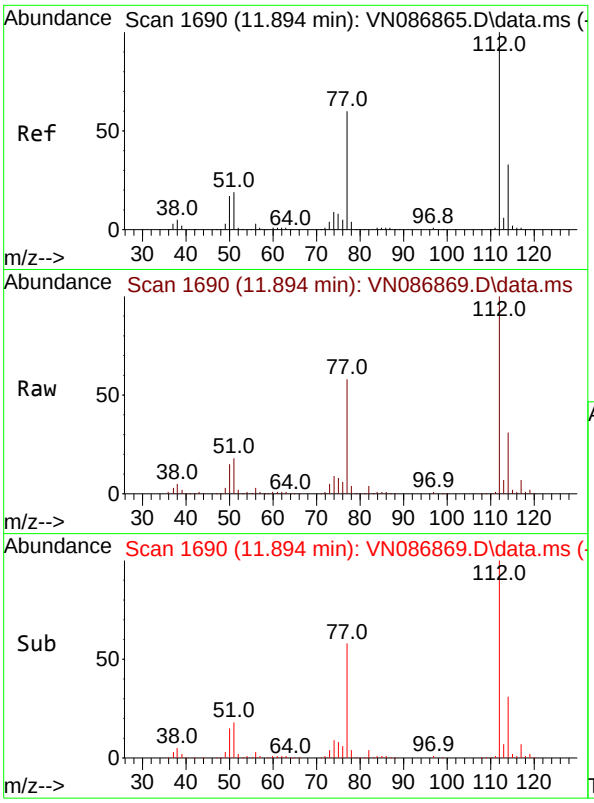


#64
Tetrachloroethene
Concen: 50.450 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:164 Resp: 111409

Ion	Ratio	Lower	Upper
164	100		
166	128.5	101.8	152.8
129	99.9	83.0	124.4
131	97.9	78.2	117.2



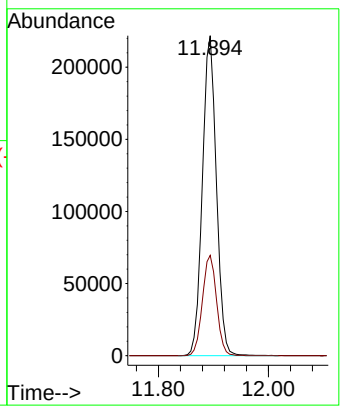


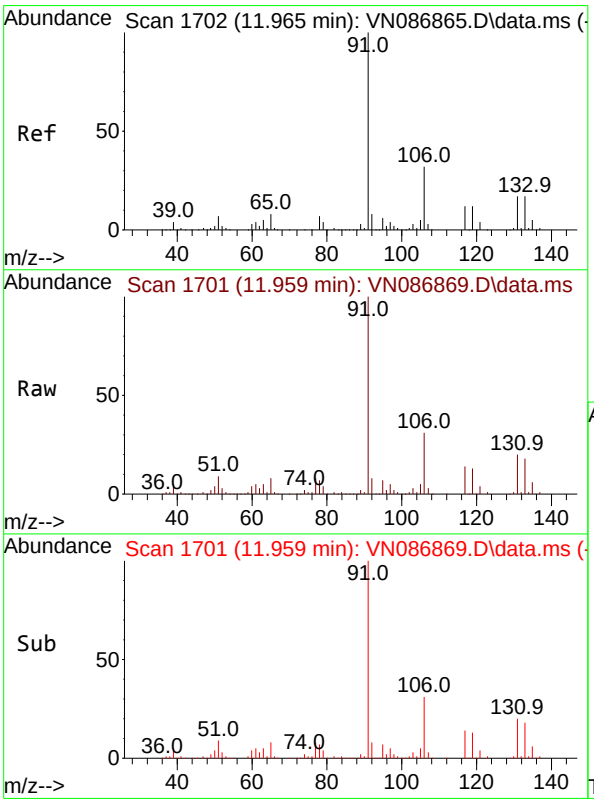
#65
Chlorobenzene
Concen: 50.892 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:112 Resp: 391661

Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.2	39.2

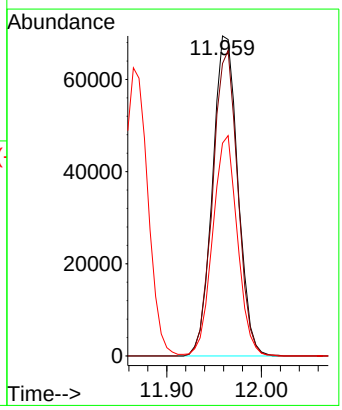


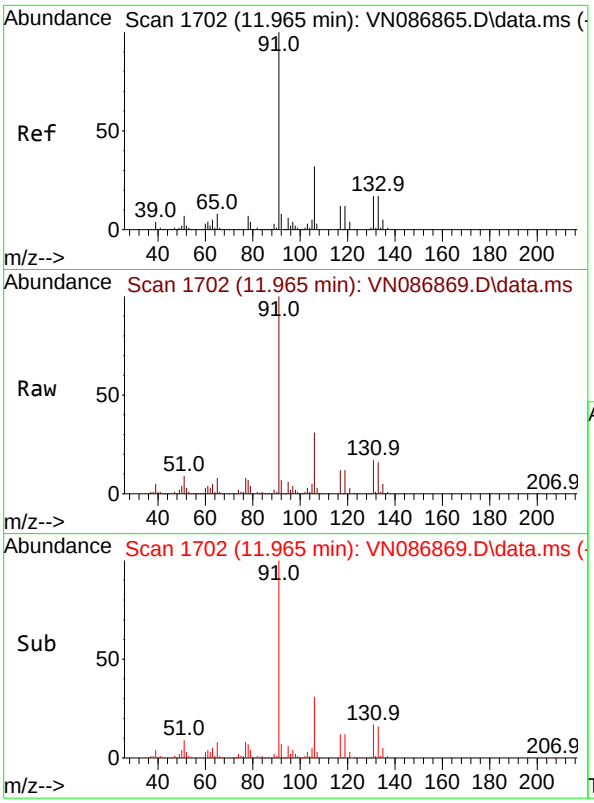


#66
1,1,1,2-Tetrachloroethane
Concen: 52.164 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:131 Resp: 129045

Ion	Ratio	Lower	Upper
131	100		
133	94.5	48.3	144.8
119	67.4	34.0	101.8



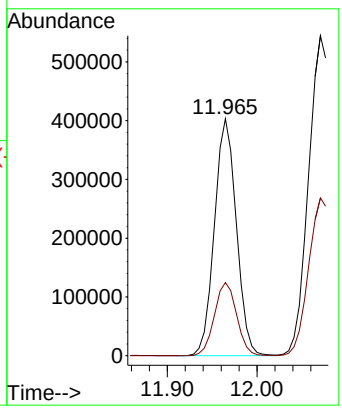


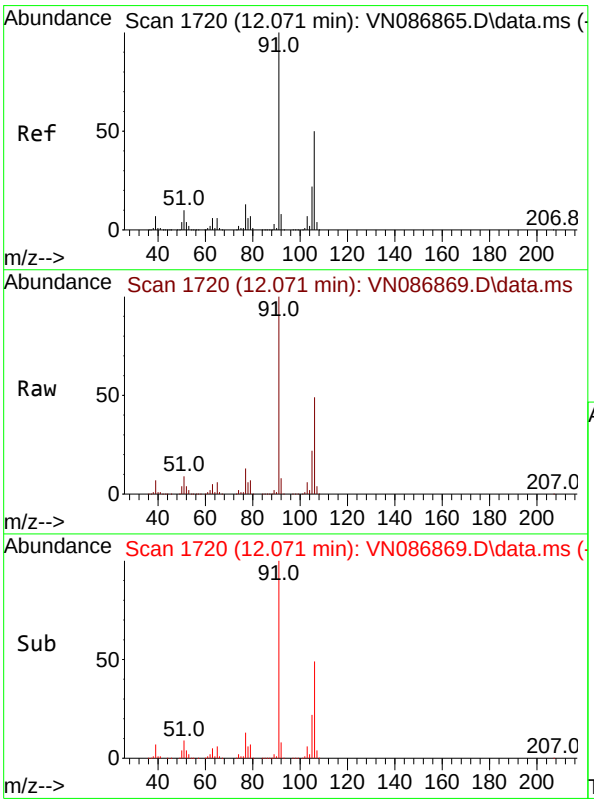
#67
Ethyl Benzene
Concen: 51.590 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 91 Resp: 683879

Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.4	38.2

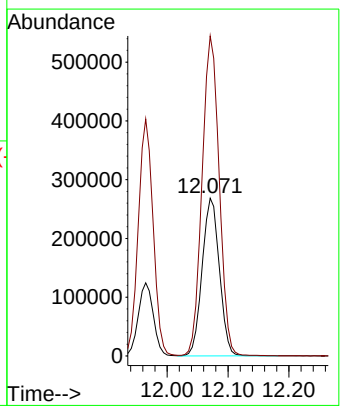


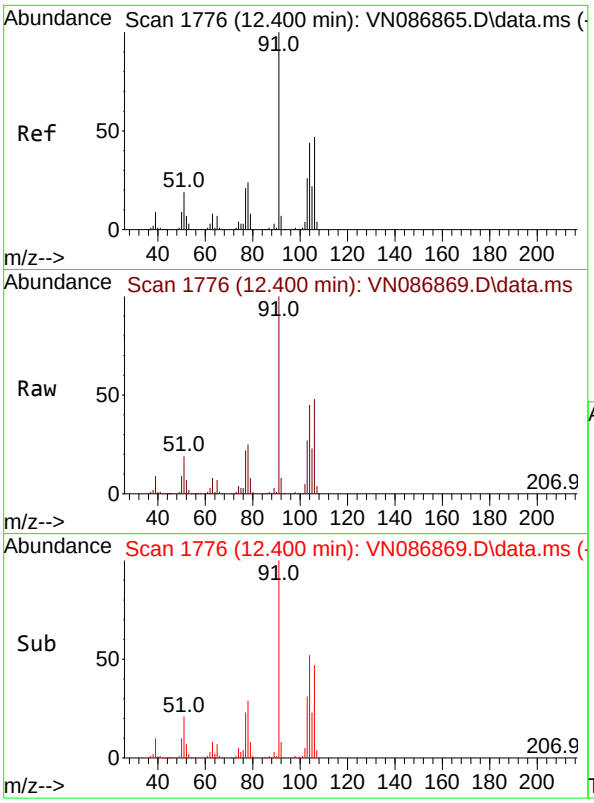


#68
m/p-Xylenes
Concen: 103.912 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:106 Resp: 527293

Ion	Ratio	Lower	Upper
106	100		
91	202.0	159.4	239.0



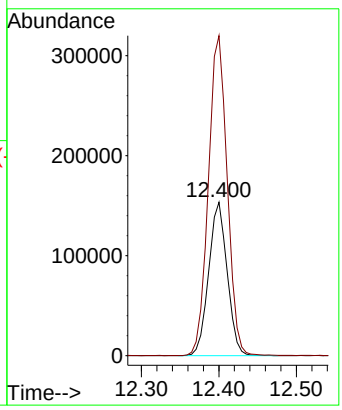


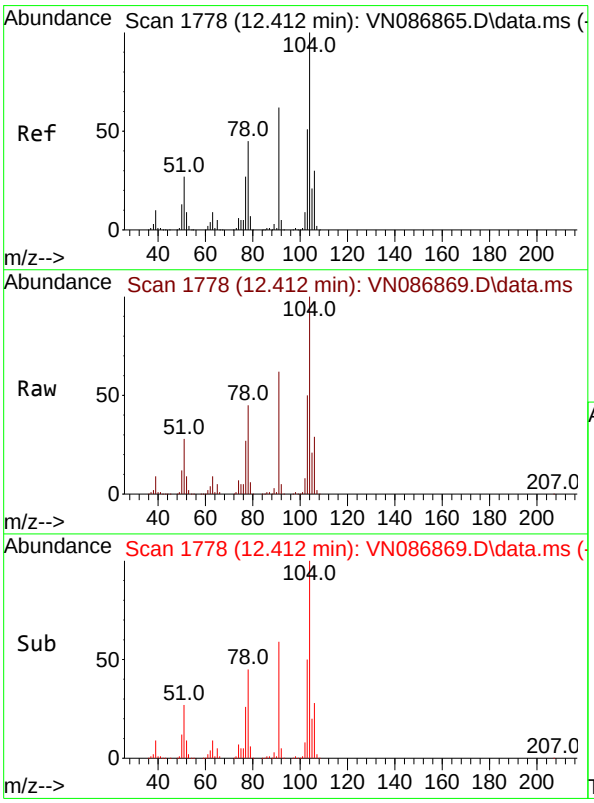
#69
o-Xylene
Concen: 52.387 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:106 Resp: 254600

Ion	Ratio	Lower	Upper
106	100		
91	212.8	106.1	318.1

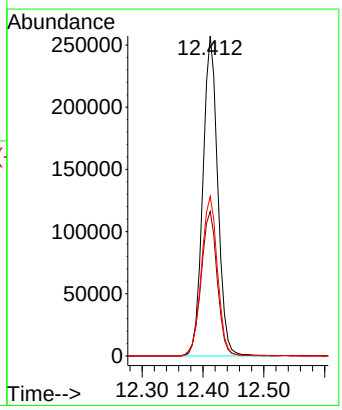


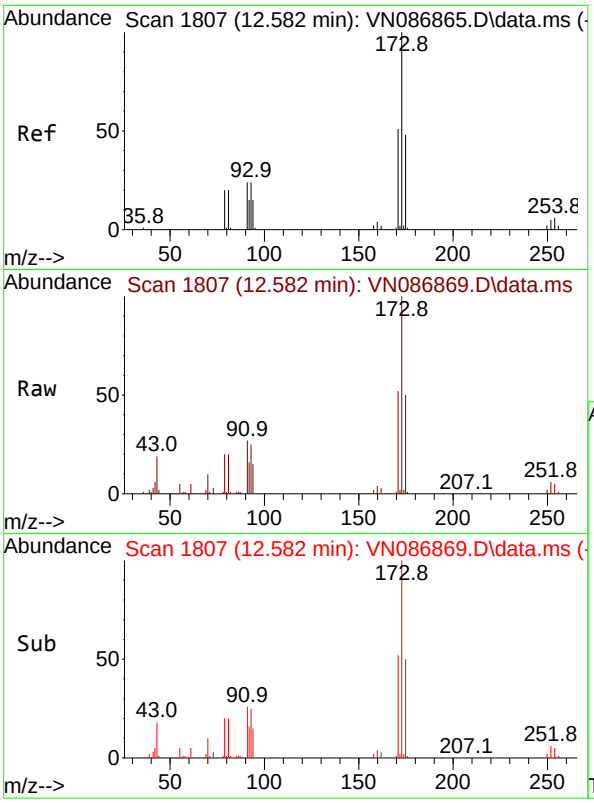


#70
Styrene
Concen: 52.758 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:104 Resp: 438751

Ion	Ratio	Lower	Upper
104	100		
78	48.7	38.5	57.7
103	53.7	43.1	64.7



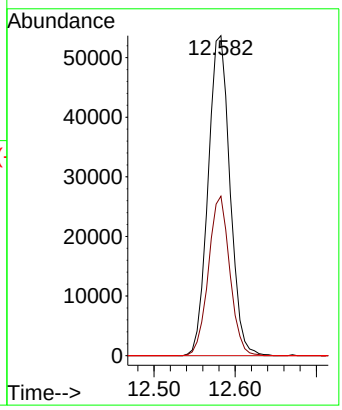


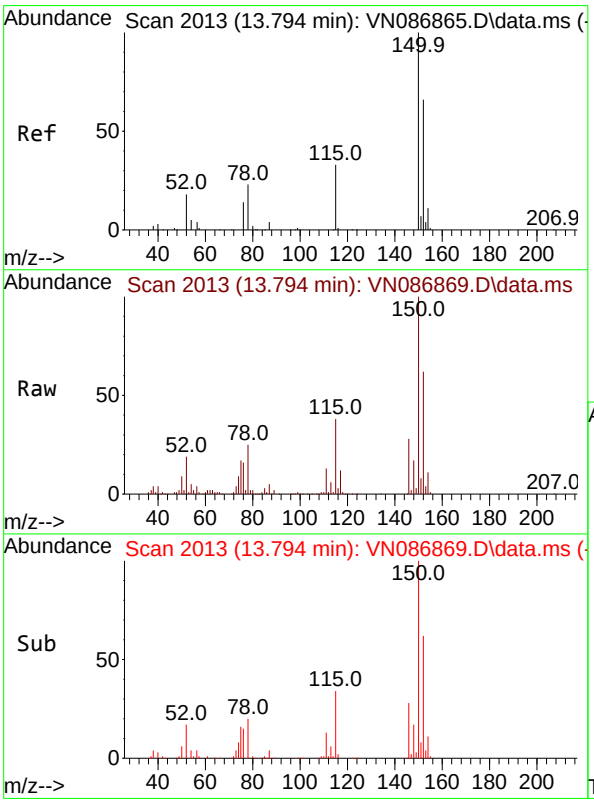
#71
Bromoform
Concen: 54.751 ug/l
RT: 12.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:173 Resp: 100357

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.4
254	0.0	0.0	0.0

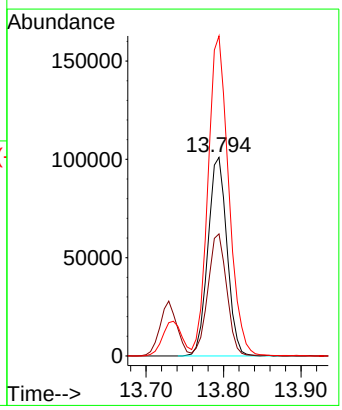


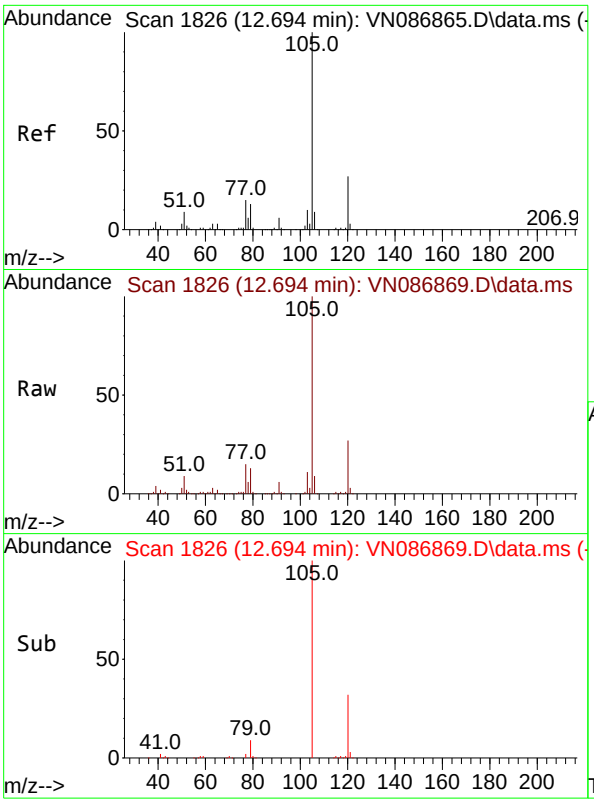


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:152 Resp: 172710

Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.1	90.5
150	174.0	0.0	345.0



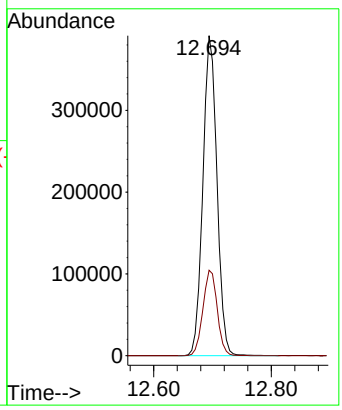


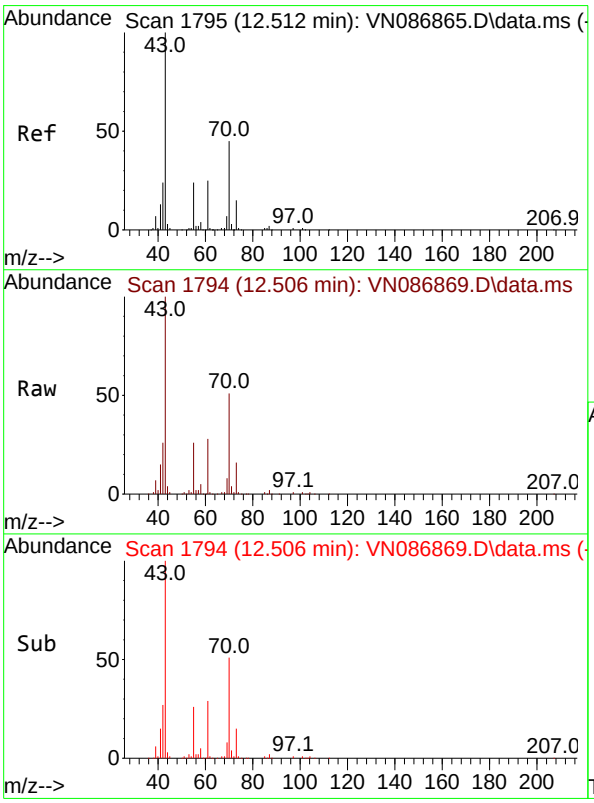
#73
Isopropylbenzene
Concen: 51.823 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:105 Resp: 652045

Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.5	40.4

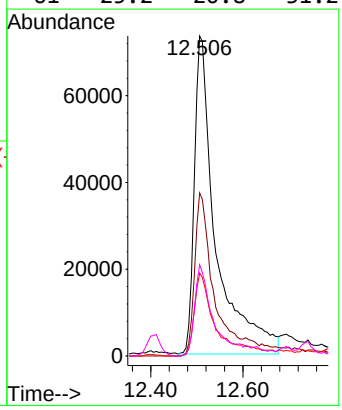


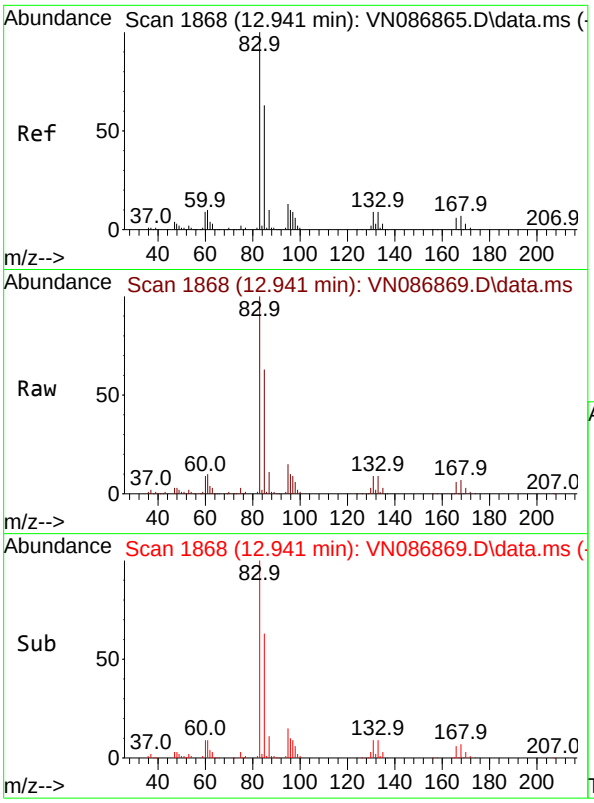


#74
N-amyl acetate
Concen: 54.212 ug/l
RT: 12.506 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 43 Resp: 238355

Ion	Ratio	Lower	Upper
43	100		
70	49.3	37.6	56.4
55	25.3	19.0	28.6
61	25.2	20.8	31.2



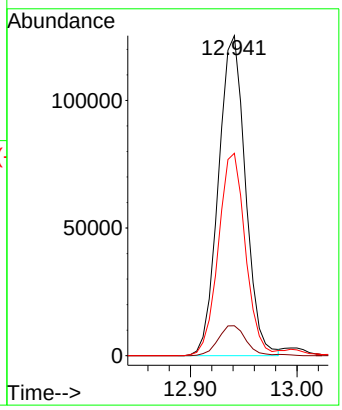


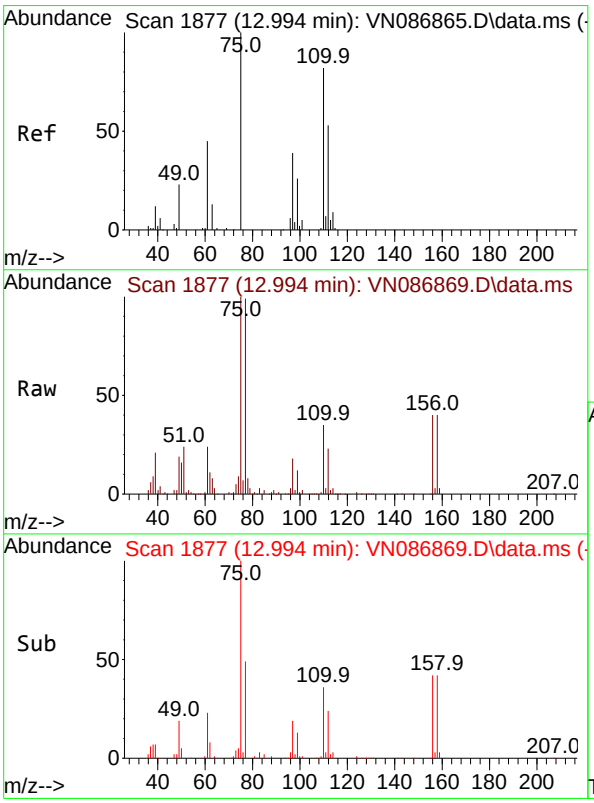
#75
1,1,2,2-Tetrachloroethane
Concen: 51.763 ug/l
RT: 12.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 83 Resp: 220643

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	63.9	32.0	96.0

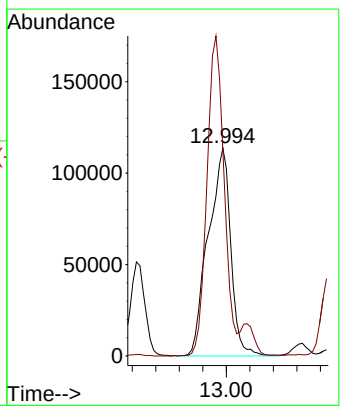


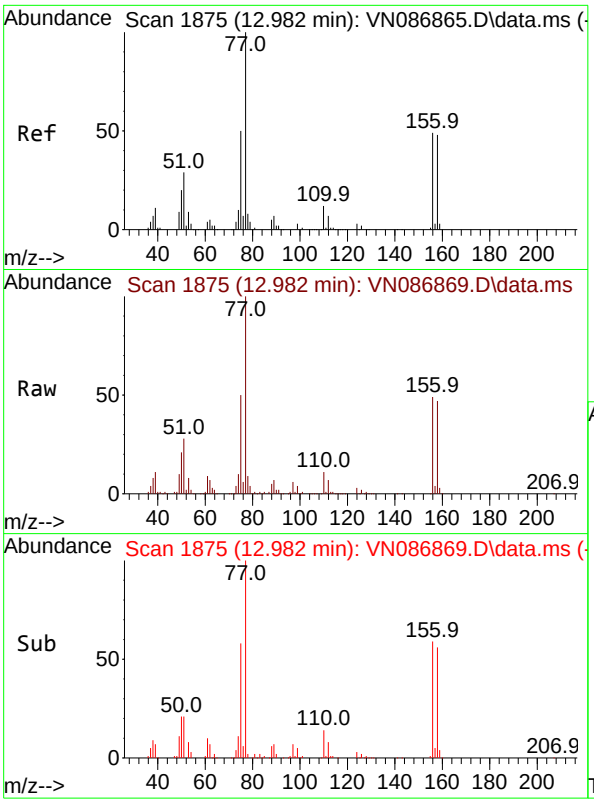


#76
1,2,3-Trichloropropane
Concen: 73.563 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 75 Resp: 302004

Ion	Ratio	Lower	Upper
75	100		
77	117.4	79.3	237.9



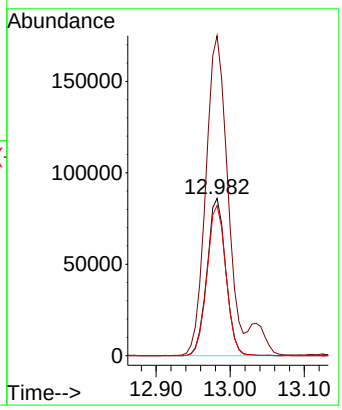


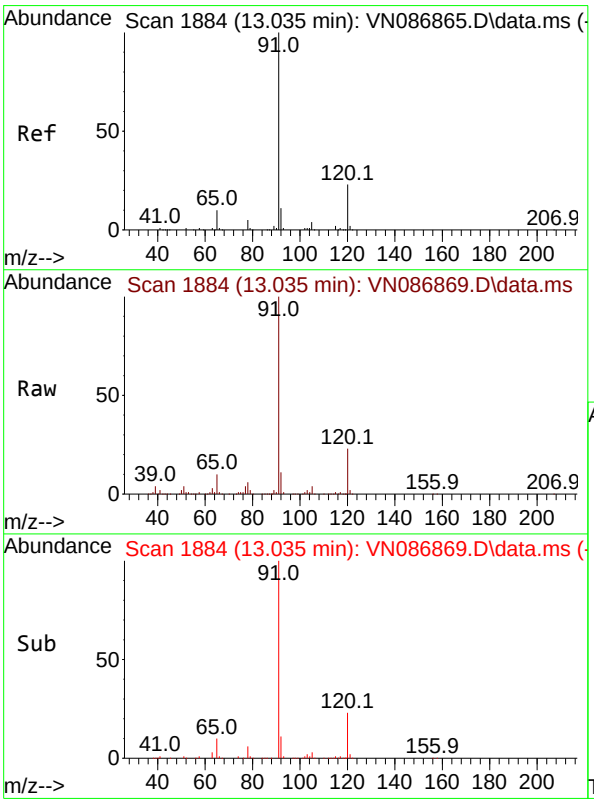
#77
Bromobenzene
Concen: 52.313 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:156 Resp: 150950

Ion	Ratio	Lower	Upper
156	100		
77	234.9	117.7	353.1
158	96.5	48.1	144.4

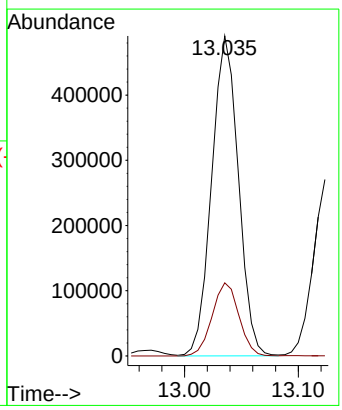


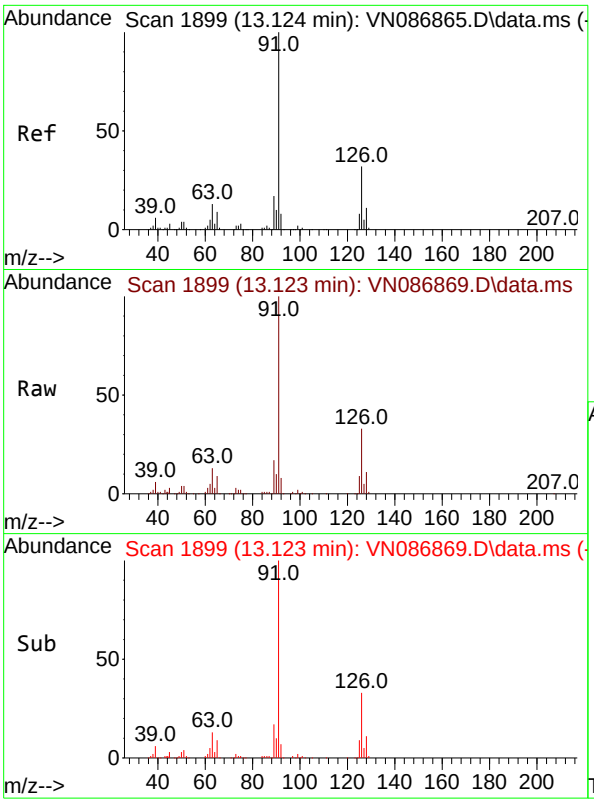


#78
n-propylbenzene
Concen: 52.397 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 91 Resp: 801180

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.4	34.2



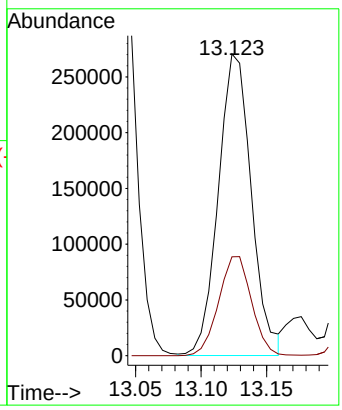


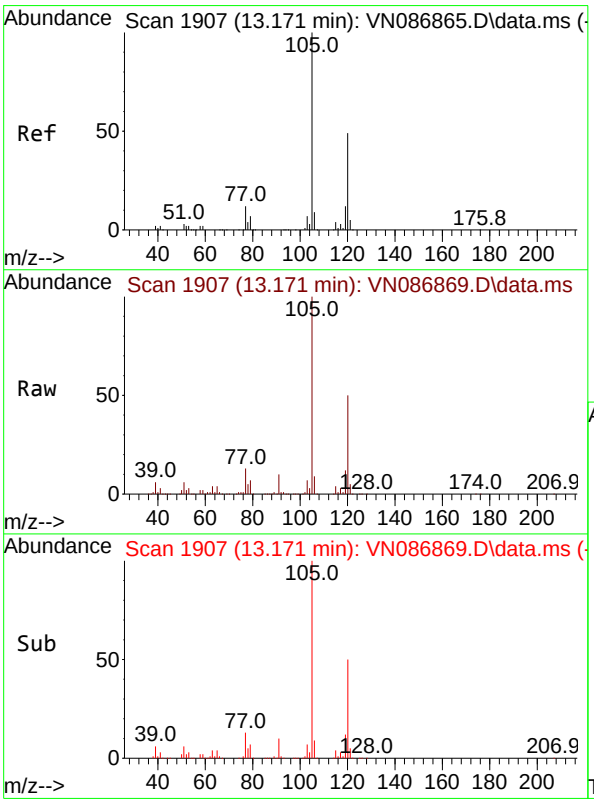
#79
2-Chlorotoluene
Concen: 51.650 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 91 Resp: 473629

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.5

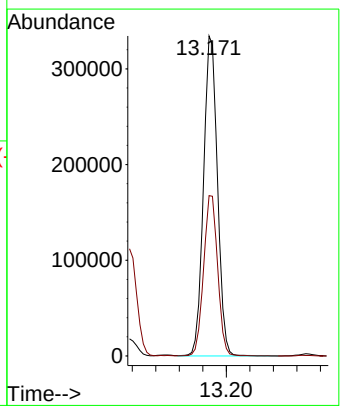


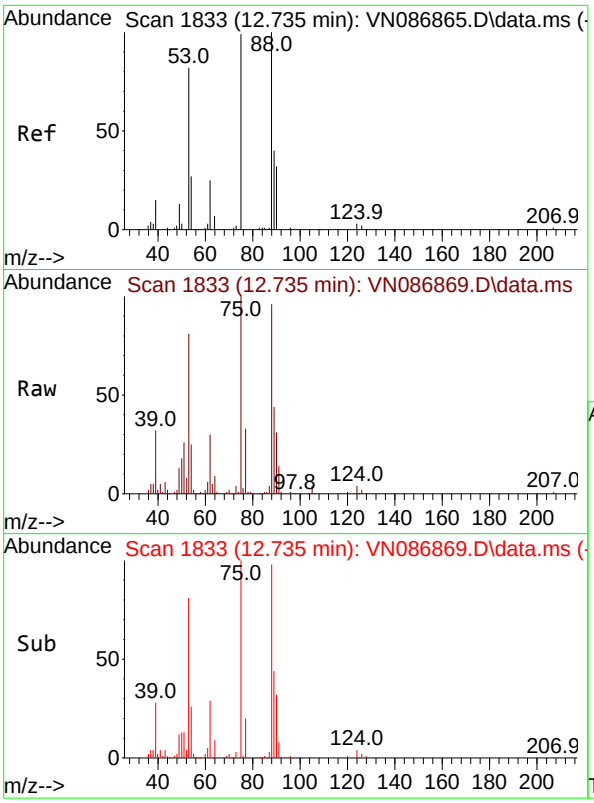


#80
1,3,5-Trimethylbenzene
Concen: 52.787 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:105 Resp: 548347

Ion	Ratio	Lower	Upper
105	100		
120	50.6	24.9	74.6



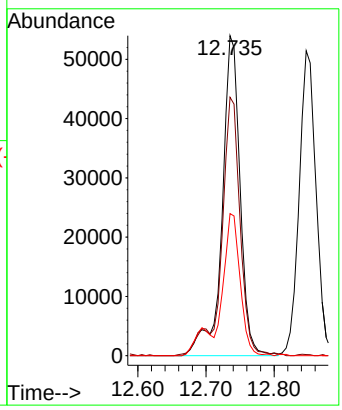


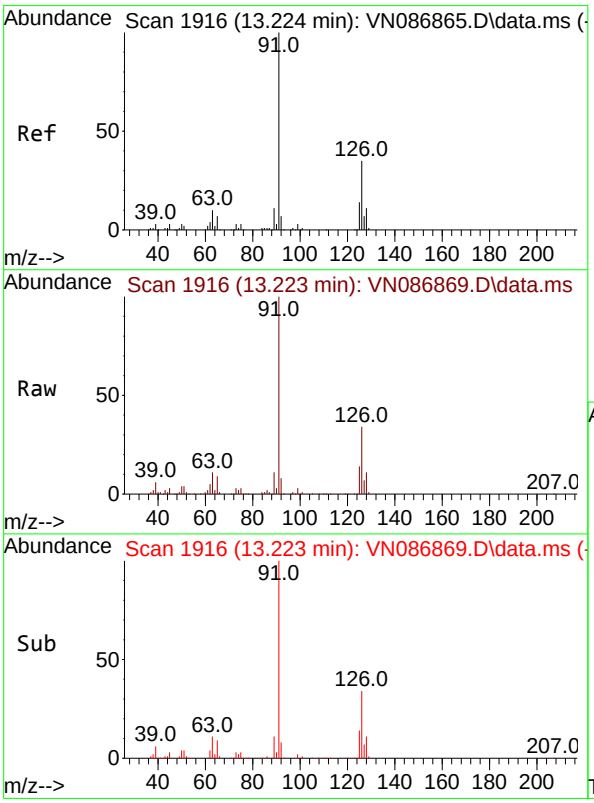
#81
trans-1,4-Dichloro-2-butene
Concen: 55.702 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 75 Resp: 99341

Ion	Ratio	Lower	Upper
75	100		
53	83.7	66.6	99.8
89	40.4	36.7	55.1

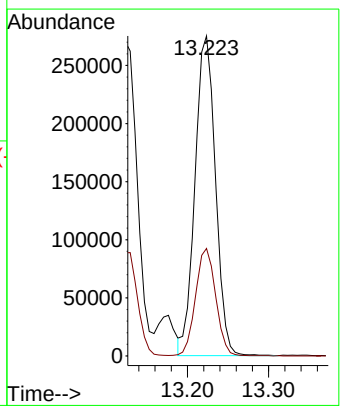


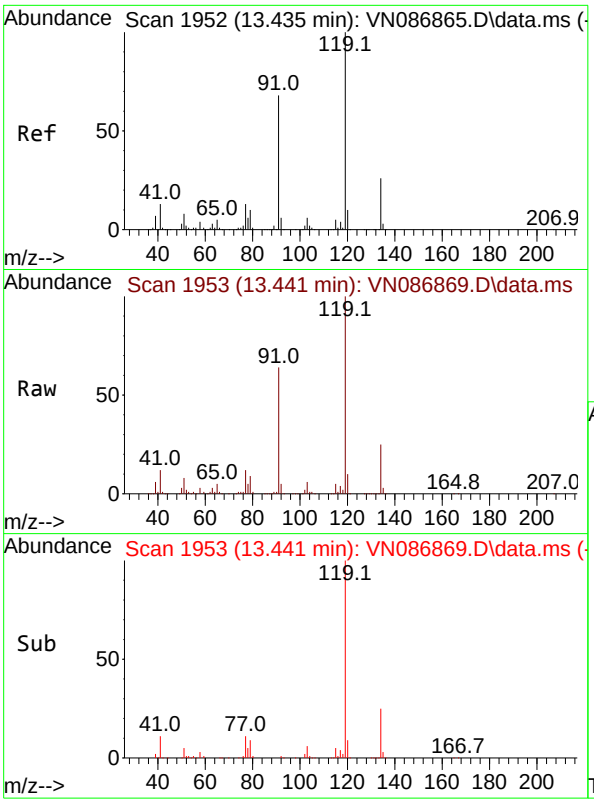


#82
4-Chlorotoluene
Concen: 51.884 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 91 Resp: 481403

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.7	50.1



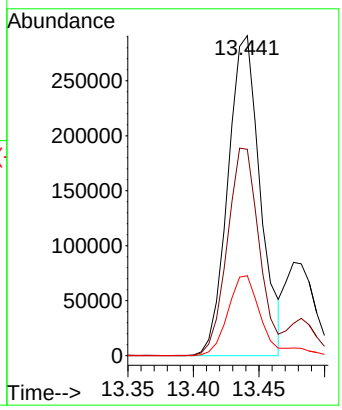


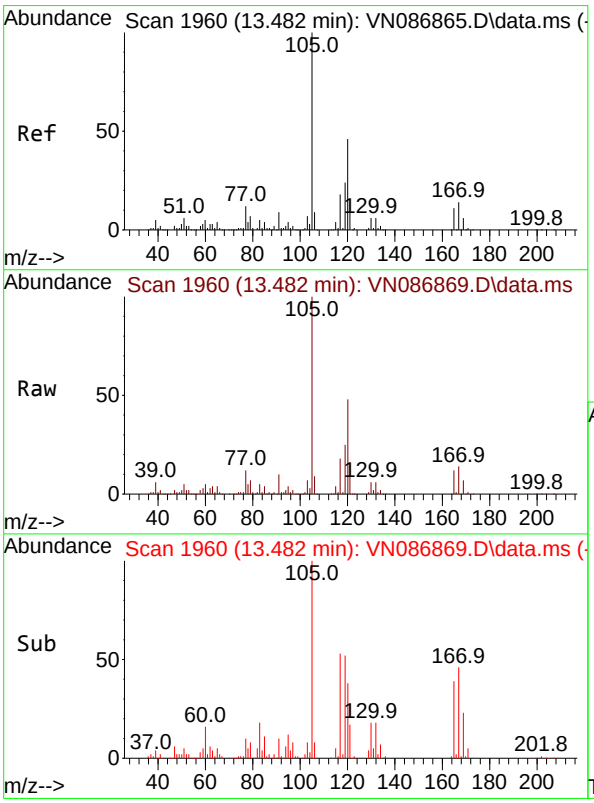
#83
tert-Butylbenzene
Concen: 52.532 ug/l
RT: 13.441 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:119 Resp: 499519

Ion	Ratio	Lower	Upper
119	100		
91	63.9	32.1	96.5
134	26.4	13.4	40.1

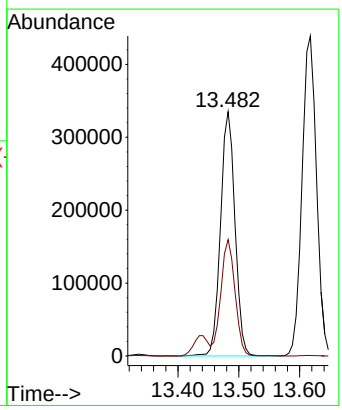


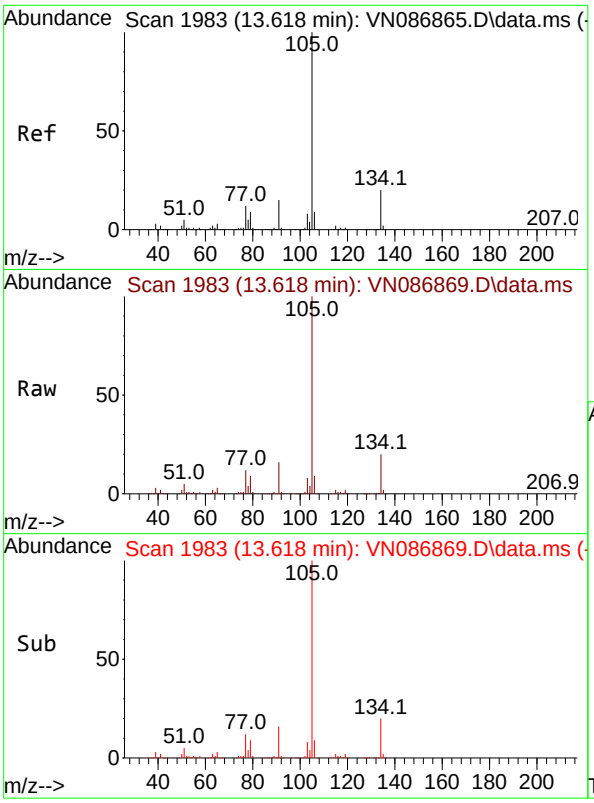


#84
1,2,4-Trimethylbenzene
Concen: 53.024 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:105 Resp: 552333

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.2	69.6



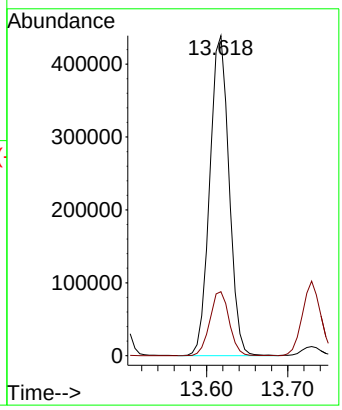


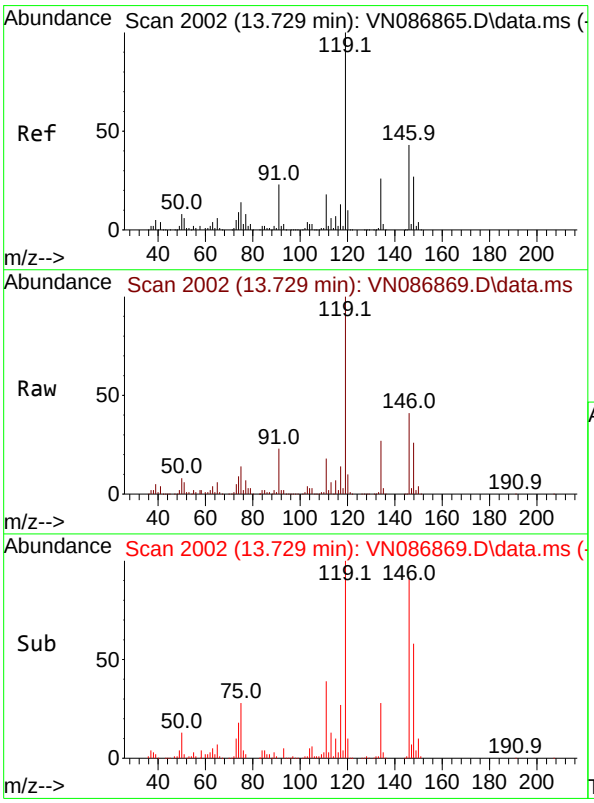
#85
sec-Butylbenzene
Concen: 52.428 ug/l
RT: 13.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:105 Resp: 723986

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0

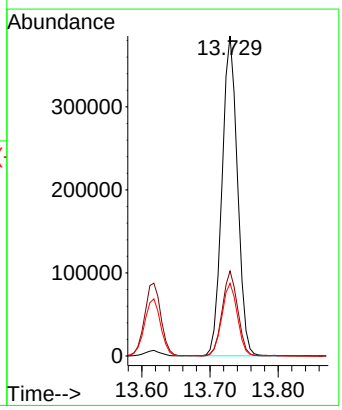


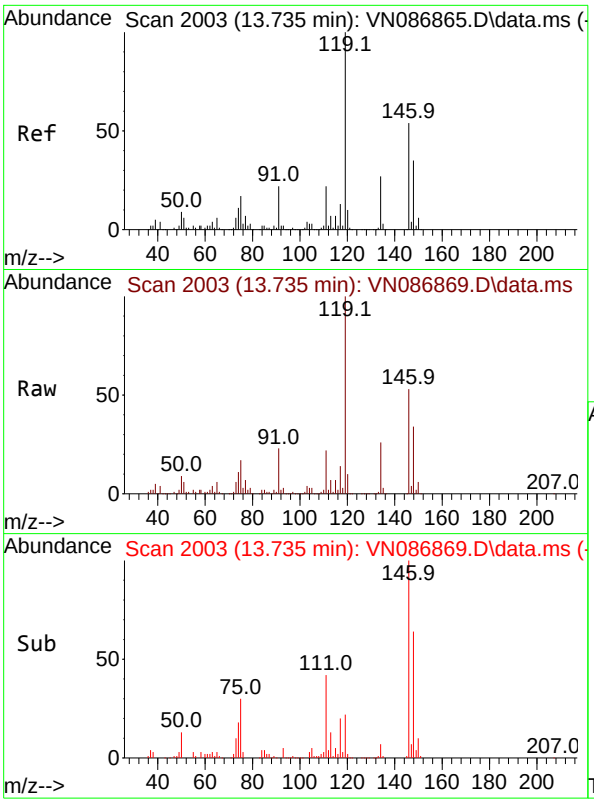


#86
p-Isopropyltoluene
Concen: 53.174 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:119 Resp: 606979

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.5	40.4
91	22.7	11.5	34.4



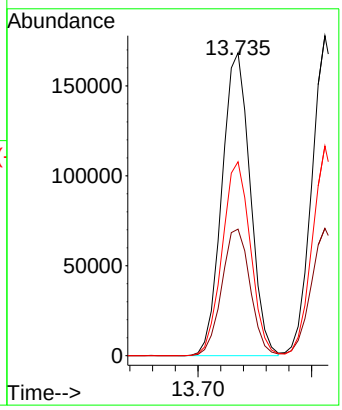


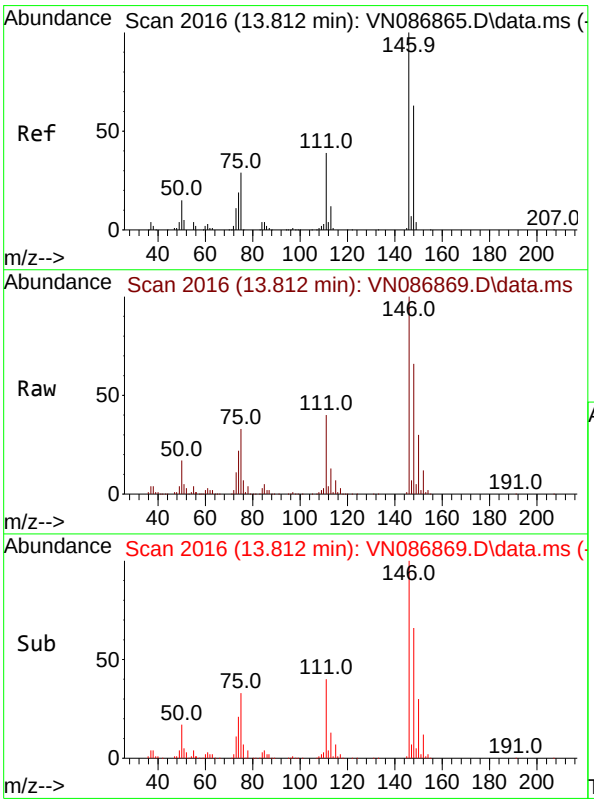
#87
1,3-Dichlorobenzene
Concen: 51.224 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:146 Resp: 290810

Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.9	62.8
148	64.3	32.0	96.2

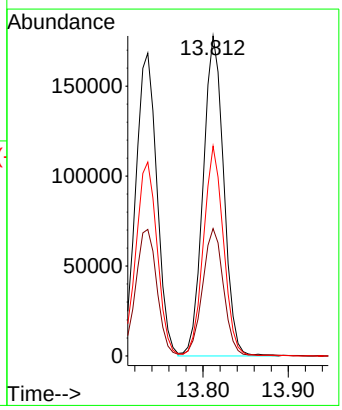


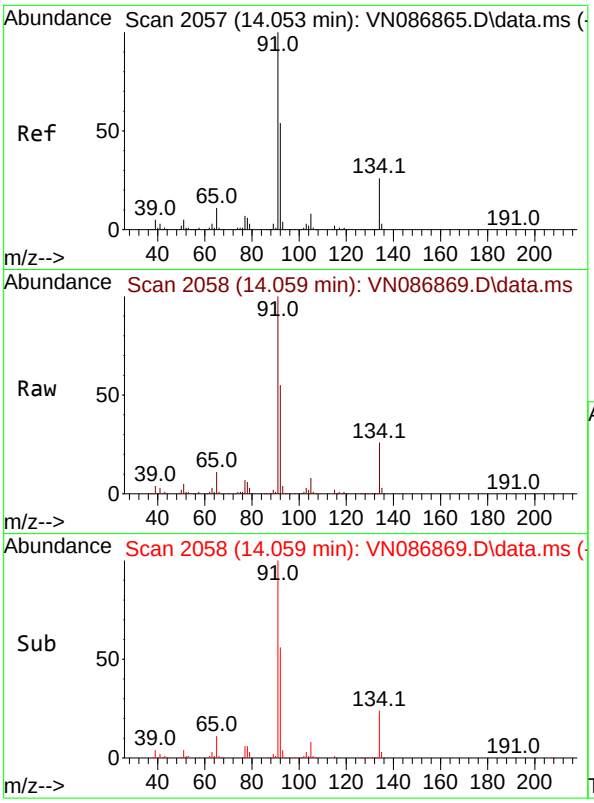


#88
1,4-Dichlorobenzene
Concen: 51.557 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:146 Resp: 298412

Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.9	59.7
148	63.3	31.8	95.4



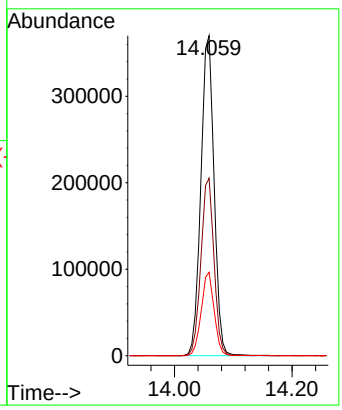


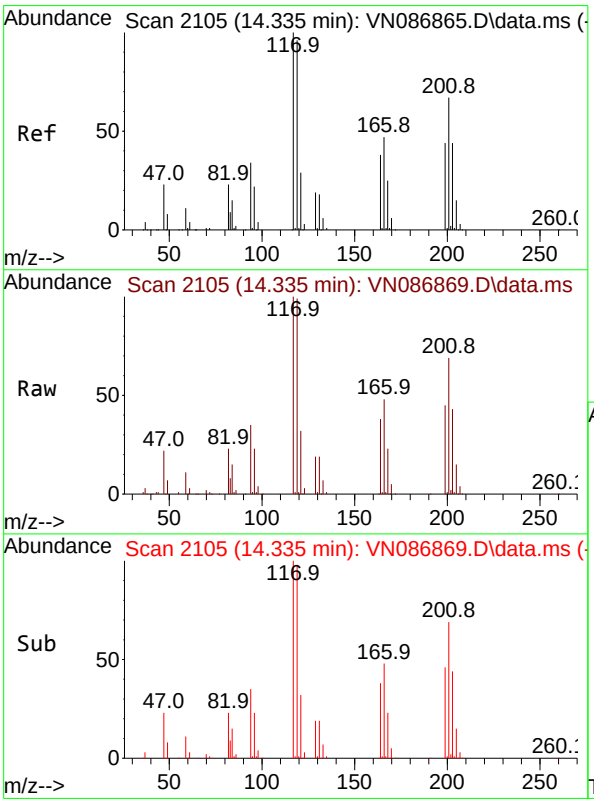
#89
n-Butylbenzene
Concen: 52.424 ug/l
RT: 14.059 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion: 91 Resp: 579636

Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.5	82.4
134	25.5	13.0	39.0

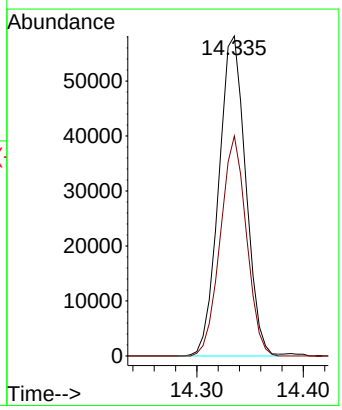


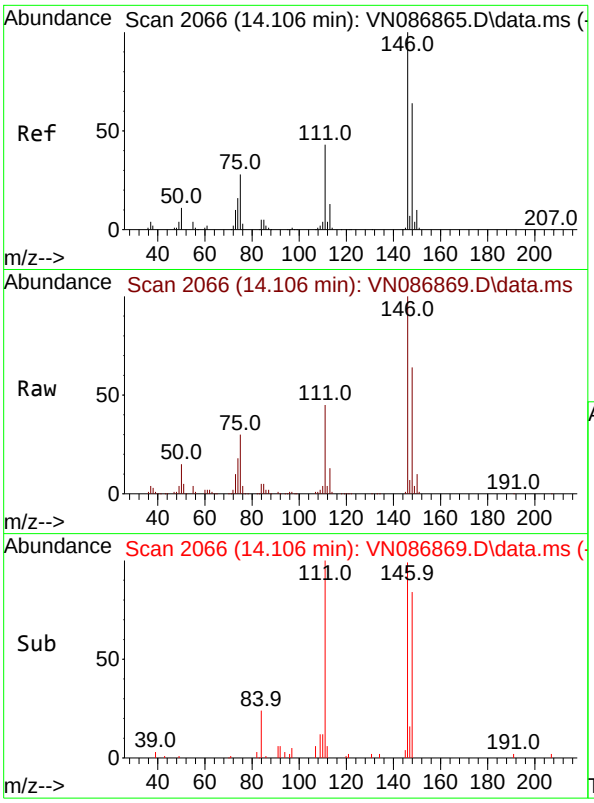


#90
Hexachloroethane
Concen: 52.847 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:117 Resp: 102254

Ion	Ratio	Lower	Upper
117	100		
201	66.4	33.2	99.6



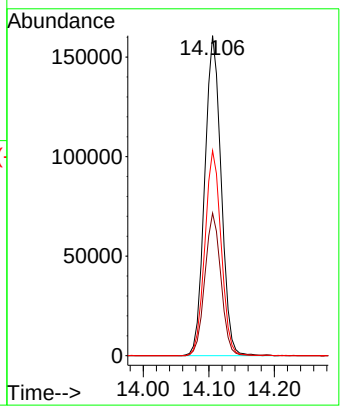


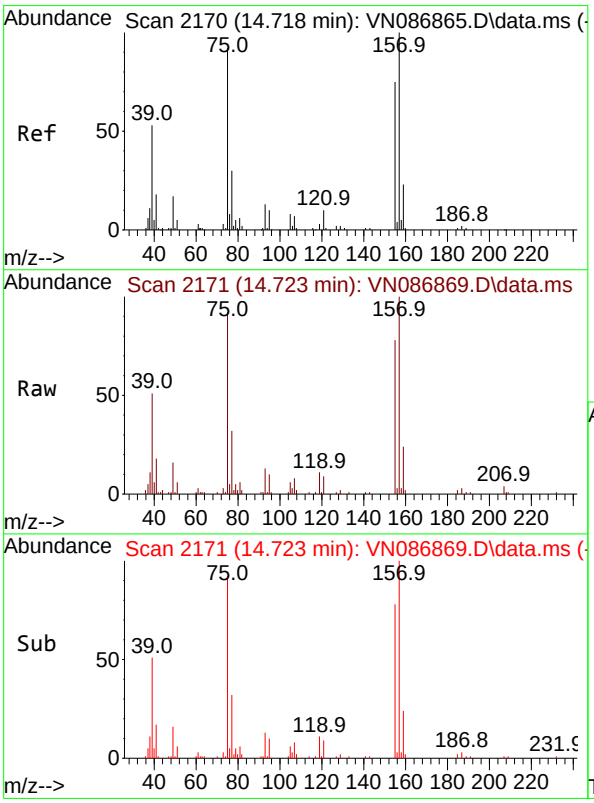
#91
1,2-Dichlorobenzene
Concen: 51.340 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:146 Resp: 280025

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.6	64.6
148	63.4	31.7	95.1

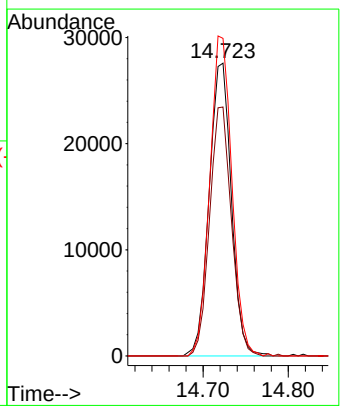


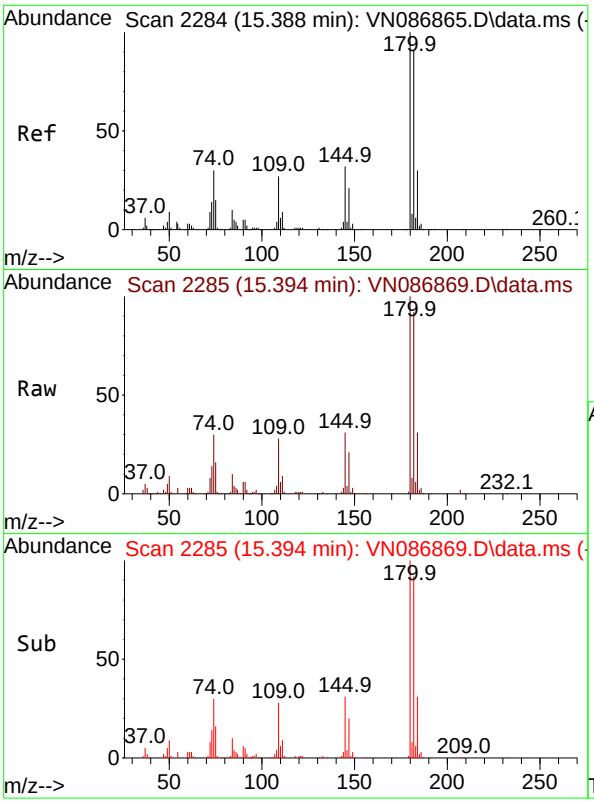


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.161 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion: 75 Resp: 50115

Ion	Ratio	Lower	Upper
75	100		
155	83.5	41.1	123.4
157	108.6	52.7	158.1



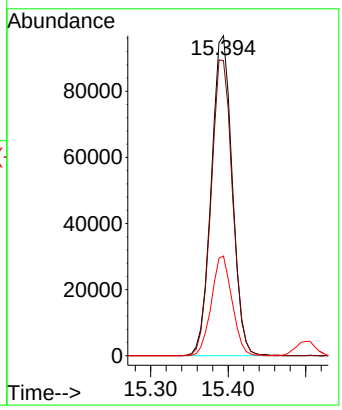


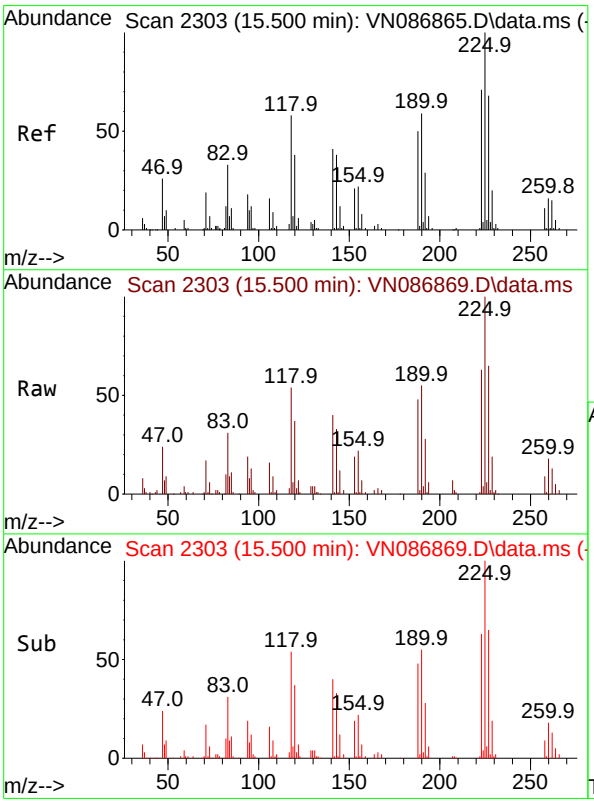
#93
1,2,4-Trichlorobenzene
Concen: 51.986 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:180 Resp: 181064

Ion	Ratio	Lower	Upper
180	100		
182	94.6	46.9	140.7
145	30.8	16.0	47.9

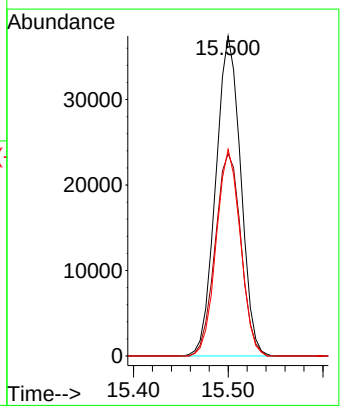


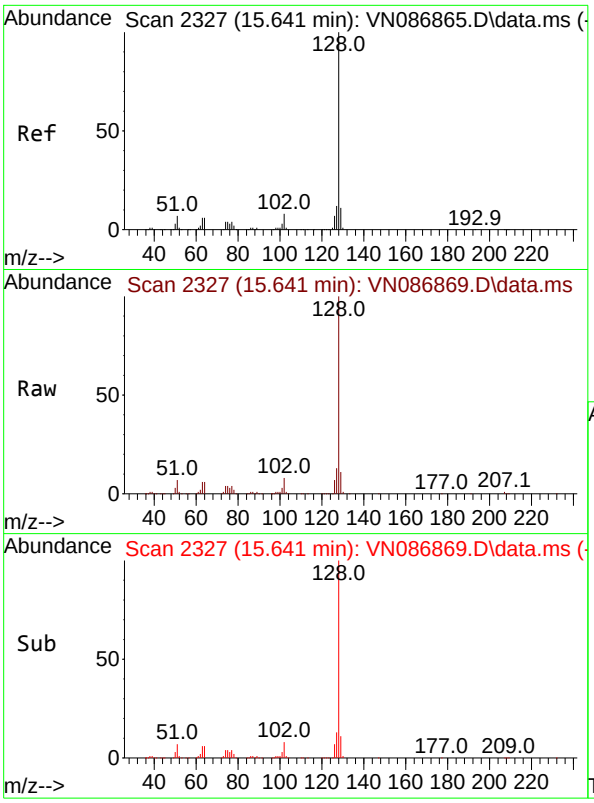


#94
Hexachlorobutadiene
Concen: 52.843 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:225 Resp: 68570

Ion	Ratio	Lower	Upper
225	100		
223	65.3	33.5	100.4
227	62.5	31.1	93.5



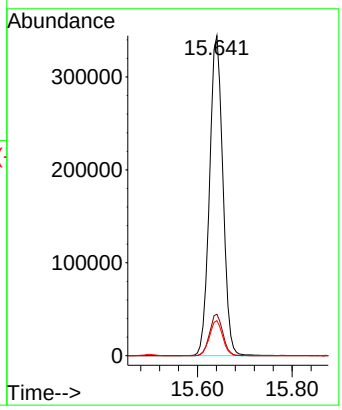


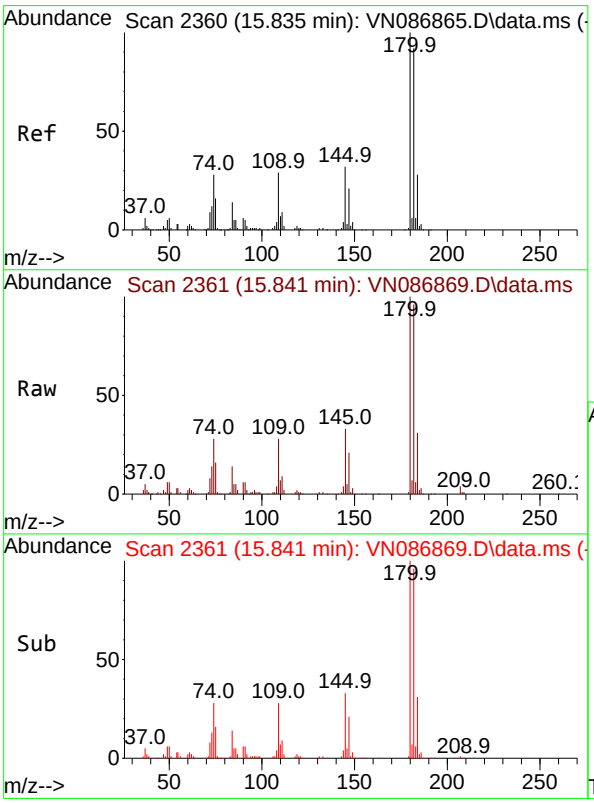
#95
Naphthalene
Concen: 52.005 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Tgt Ion:128 Resp: 674187

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.8	13.2

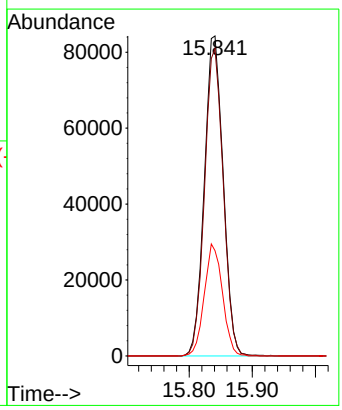




#96
1,2,3-Trichlorobenzene
Concen: 50.539 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086869.D
Acq: 06 Jun 2025 15:54

Tgt Ion:180 Resp: 174888

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.0	141.0
145	33.8	16.6	49.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086996.D
Acq On : 13 Jun 2025 12:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Jun 14 00:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	190412	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	349185	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	311622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	154974	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	126564	49.645	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.280%			
35) Dibromofluoromethane	8.171	113	110945	53.613	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.220%			
50) Toluene-d8	10.571	98	395054	48.224	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.440%			
62) 4-Bromofluorobenzene	12.847	95	155769	51.180	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	94130	49.581	ug/l	99
3) Chloromethane	2.395	50	106972	43.634	ug/l	95
4) Vinyl Chloride	2.553	62	132265	52.300	ug/l	98
5) Bromomethane	2.989	94	66850	47.236	ug/l	91
6) Chloroethane	3.153	64	85416	52.288	ug/l	97
7) Trichlorofluoromethane	3.524	101	165154	49.983	ug/l	98
8) Diethyl Ether	3.983	74	85377	59.305	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.400	101	102200	49.231	ug/l	99
10) Methyl Iodide	4.618	142	81332	30.223	ug/l	96
11) Tert butyl alcohol	5.542	59	179272	259.155	ug/l	98
12) 1,1-Dichloroethene	4.365	96	110621	52.196	ug/l	89
13) Acrolein	4.200	56	29452	134.505	ug/l	99
14) Allyl chloride	5.047	41	167560	47.673	ug/l	95
15) Acrylonitrile	5.736	53	429249	265.480	ug/l	100
16) Acetone	4.447	43	329234	243.522	ug/l	96
17) Carbon Disulfide	4.742	76	327418	55.851	ug/l	100
18) Methyl Acetate	5.047	43	165652	42.045	ug/l	97
19) Methyl tert-butyl Ether	5.812	73	426708	55.607	ug/l	100
20) Methylene Chloride	5.294	84	136185	53.804	ug/l	93
21) trans-1,2-Dichloroethene	5.806	96	123359	52.316	ug/l	97
22) Diisopropyl ether	6.689	45	372100	50.223	ug/l	96
23) Vinyl Acetate	6.618	43	1729112	276.228	ug/l	97
24) 1,1-Dichloroethane	6.588	63	222402	52.162	ug/l	100
25) 2-Butanone	7.494	43	542418	246.825	ug/l	96
26) 2,2-Dichloropropane	7.500	77	181352	54.680	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	154905	54.931	ug/l	96
28) Bromochloromethane	7.824	49	114442	54.591	ug/l	90
29) Tetrahydrofuran	7.847	42	358784	250.623	ug/l	93
30) Chloroform	7.977	83	221340	51.983	ug/l	100
31) Cyclohexane	8.265	56	181882	43.987	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	176440	48.720	ug/l	98
36) 1,1-Dichloropropene	8.383	75	154064	49.963	ug/l	99
37) Ethyl Acetate	7.571	43	207704	52.914	ug/l	99
38) Carbon Tetrachloride	8.371	117	147019	48.564	ug/l	96
39) Methylcyclohexane	9.606	83	187509	44.385	ug/l	95
40) Benzene	8.612	78	523742	51.942	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086996.D
Acq On : 13 Jun 2025 12:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Jun 14 00:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.783	41	107515	48.771	ug/l		92
42) 1,2-Dichloroethane	8.677	62	163016	53.302	ug/l		99
43) Isopropyl Acetate	8.694	43	315339	50.052	ug/l		95
44) Trichloroethene	9.359	130	126250	52.804	ug/l		97
45) 1,2-Dichloropropane	9.624	63	129173	52.657	ug/l		97
46) Dibromomethane	9.712	93	92427	56.724	ug/l		98
47) Bromodichloromethane	9.894	83	179817	53.637	ug/l		99
48) Methyl methacrylate	9.682	41	144695	49.899	ug/l		93
49) 1,4-Dioxane	9.700	88	60881	1154.073	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.447	43	974766	257.005	ug/l		96
52) Toluene	10.629	92	324520	52.663	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	213932	57.068	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	223518	55.726	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	130409	55.000	ug/l		98
56) Ethyl methacrylate	10.882	69	221967	58.775	ug/l		93
57) 1,3-Dichloropropane	11.165	76	225149	54.739	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	640810	284.484	ug/l		97
59) 2-Hexanone	11.200	43	655260	268.212	ug/l		91
60) Dibromochloromethane	11.359	129	141550	57.298	ug/l		99
61) 1,2-Dibromoethane	11.471	107	138863	57.138	ug/l		99
64) Tetrachloroethene	11.106	164	97092	49.232	ug/l		94
65) Chlorobenzene	11.894	112	363108	52.832	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	118773	53.761	ug/l		99
67) Ethyl Benzene	11.965	91	591507	49.965	ug/l		99
68) m/p-Xylenes	12.070	106	466007	102.831	ug/l		99
69) o-Xylene	12.400	106	231655	53.373	ug/l		96
70) Styrene	12.412	104	397750	53.555	ug/l		99
71) Bromoform	12.576	173	95755	58.496	ug/l	#	98
73) Isopropylbenzene	12.694	105	537619	47.619	ug/l		99
74) N-amyl acetate	12.512	43	194530	49.308	ug/l		93
75) 1,1,2,2-Tetrachloroethane	12.935	83	203942	53.321	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	274766	74.588	ug/l		67
77) Bromobenzene	12.982	156	141660	54.712	ug/l		95
78) n-propylbenzene	13.035	91	639643	46.620	ug/l		98
79) 2-Chlorotoluene	13.123	91	404220	49.126	ug/l		97
80) 1,3,5-Trimethylbenzene	13.170	105	454100	48.717	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	87402	54.616	ug/l		95
82) 4-Chlorotoluene	13.223	91	417942	50.200	ug/l		99
83) tert-Butylbenzene	13.435	119	392634	46.017	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	463629	49.602	ug/l		98
85) sec-Butylbenzene	13.612	105	540317	43.606	ug/l		99
86) p-Isopropyltoluene	13.729	119	462226	45.127	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	263729	51.771	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	273095	52.583	ug/l		99
89) n-Butylbenzene	14.053	91	413779	41.707	ug/l		100
90) Hexachloroethane	14.335	117	80241	46.217	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	255209	52.145	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	45388	49.620	ug/l		92
93) 1,2,4-Trichlorobenzene	15.388	180	149493	47.834	ug/l		99
94) Hexachlorobutadiene	15.500	225	42985	36.917	ug/l		99
95) Naphthalene	15.635	128	604305	51.949	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	142985	46.049	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086996.D
Acq On : 13 Jun 2025 12:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Jun 14 00:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

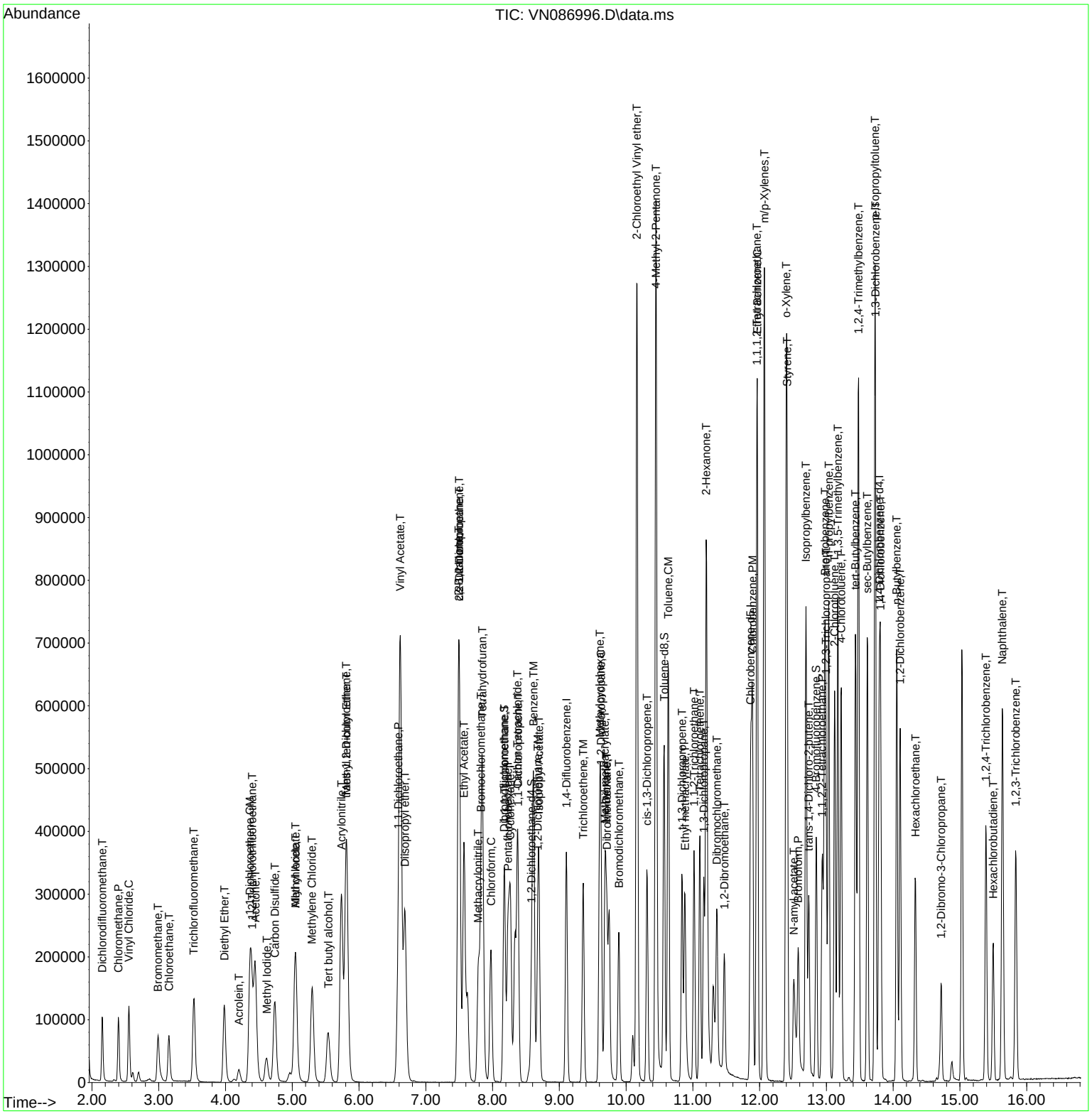
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

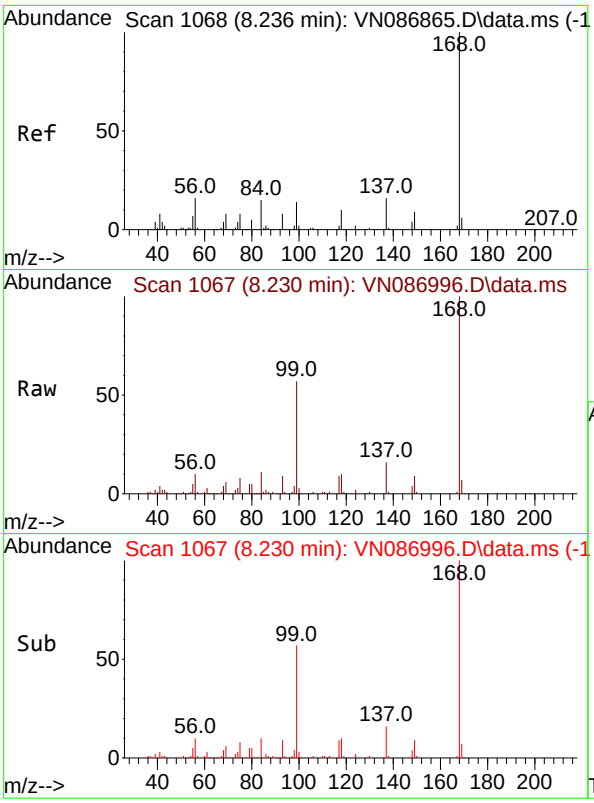
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN086996.D
Acq On : 13 Jun 2025 12:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Jun 14 00:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



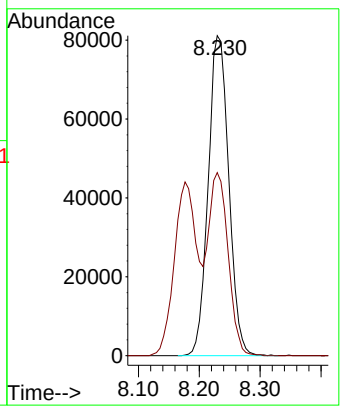


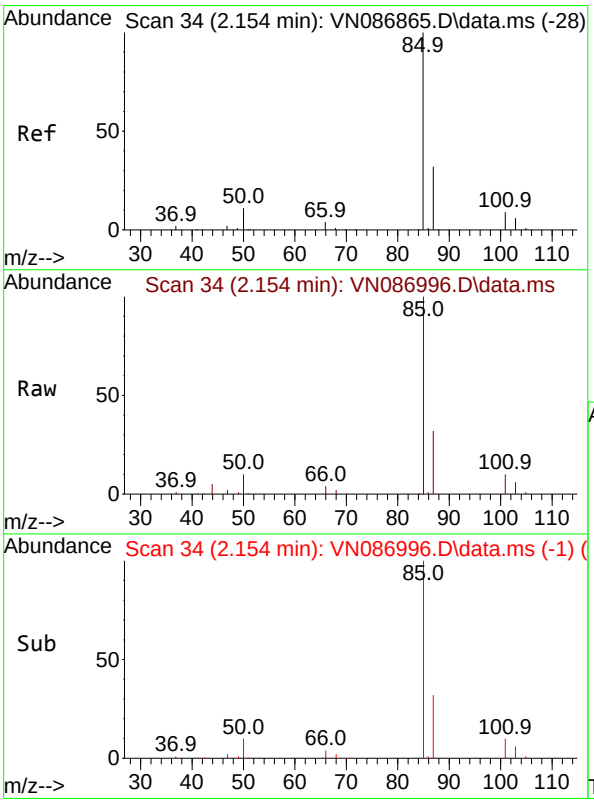
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 190412

Ion	Ratio	Lower	Upper
168	100		
99	57.2	49.1	73.7

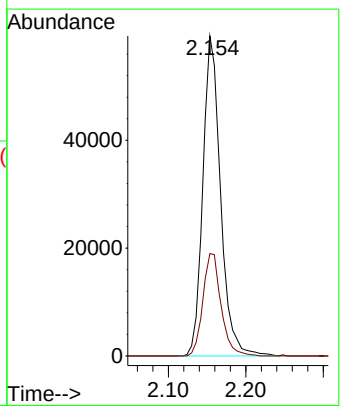


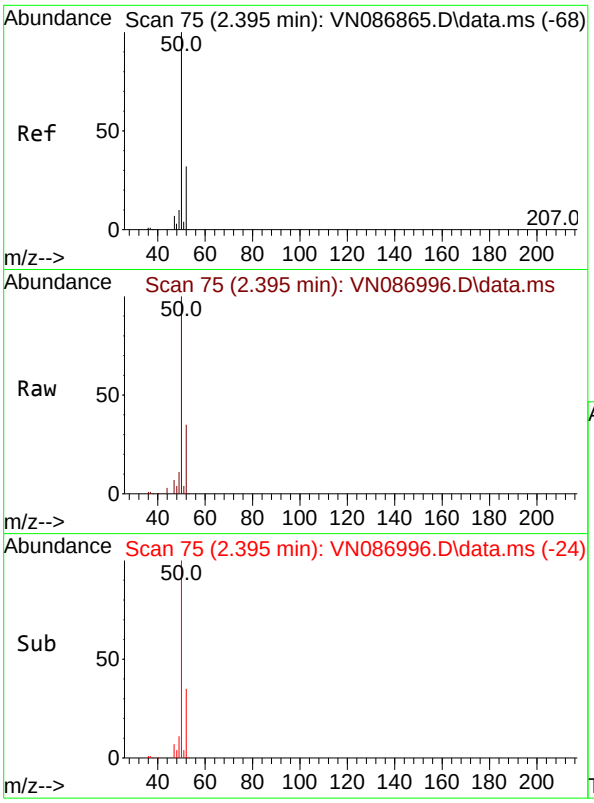


#2
Dichlorodifluoromethane
Concen: 49.581 ug/l
RT: 2.154 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 85 Resp: 94130

Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.2	48.6



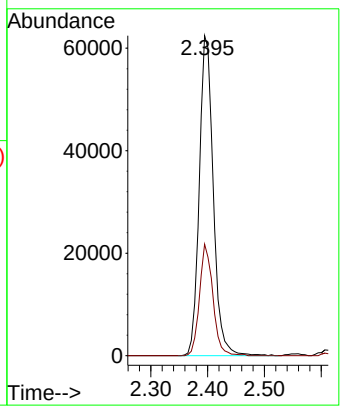


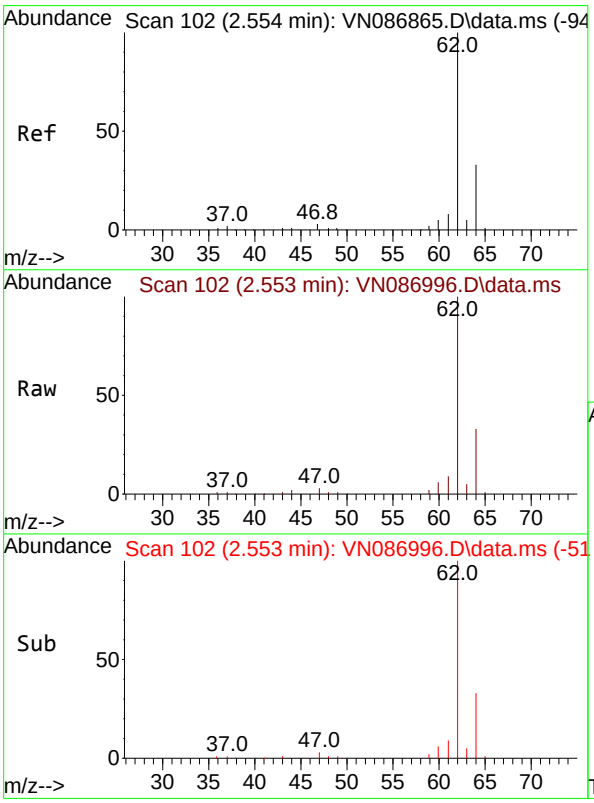
#3
Chloromethane
Concen: 43.634 ug/l
RT: 2.395 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 106972

Ion	Ratio	Lower	Upper
50	100		
52	34.8	25.7	38.5

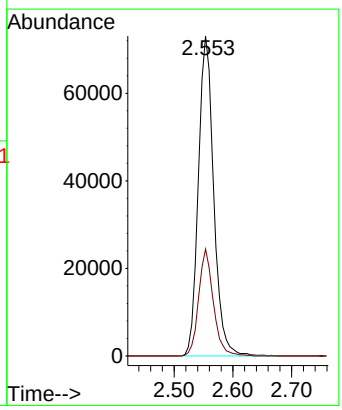


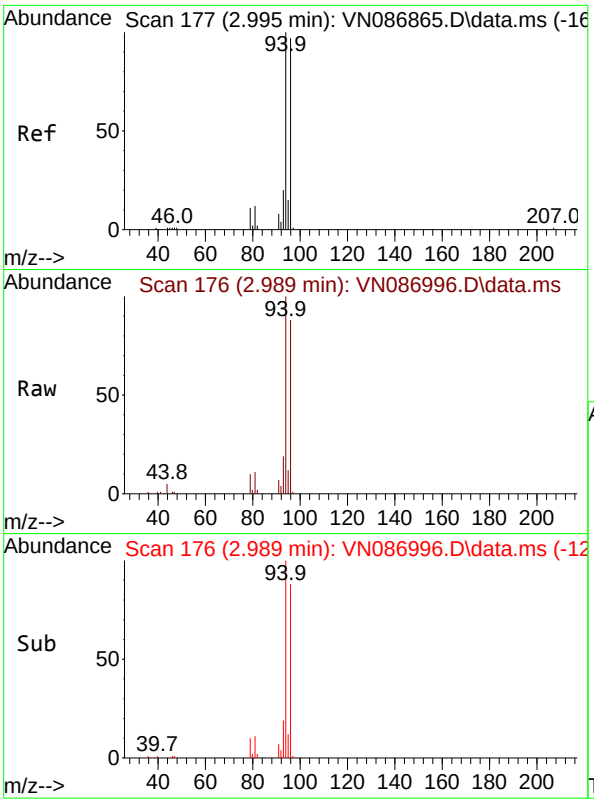


#4
Vinyl Chloride
Concen: 52.300 ug/l
RT: 2.553 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 62 Resp: 132265

Ion	Ratio	Lower	Upper
62	100		
64	33.4	26.0	39.0



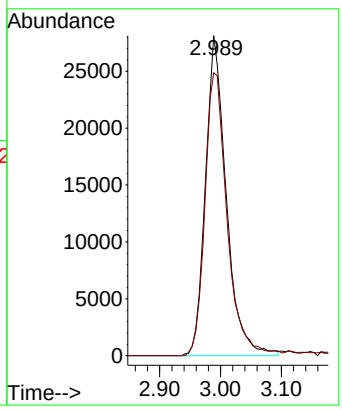


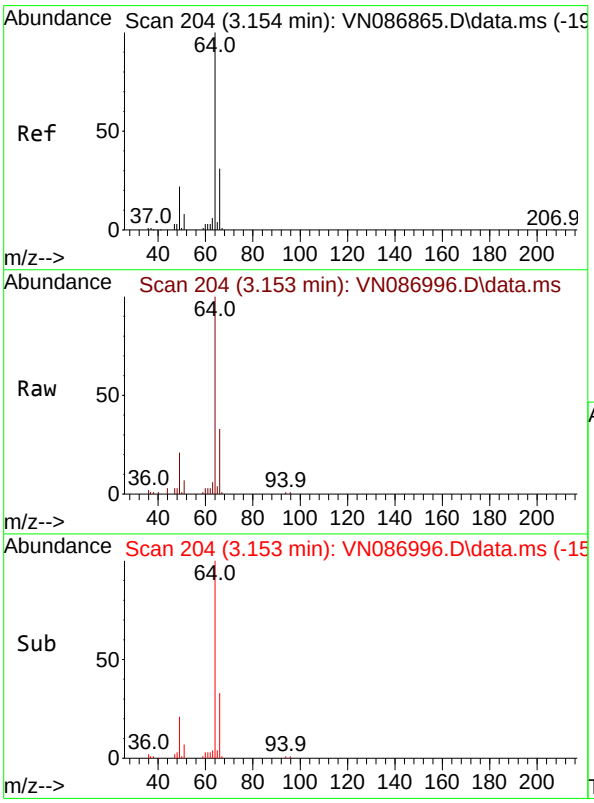
#5
Bromomethane
Concen: 47.236 ug/l
RT: 2.989 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 66850

Ion	Ratio	Lower	Upper
94	100		
96	88.4	77.9	116.9

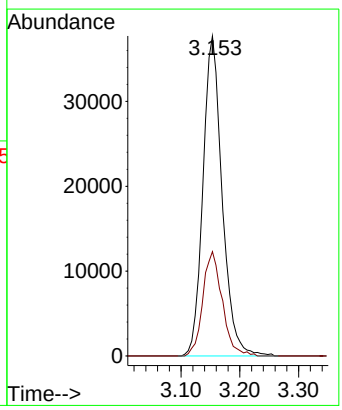


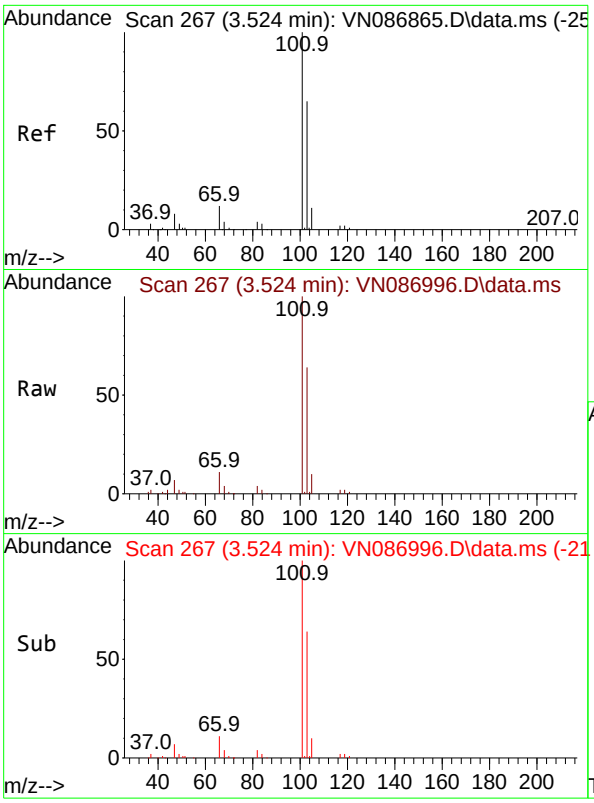


#6
Chloroethane
Concen: 52.288 ug/l
RT: 3.153 min Scan# 204
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 64 Resp: 85416

Ion	Ratio	Lower	Upper
64	100		
66	32.6	24.6	36.8



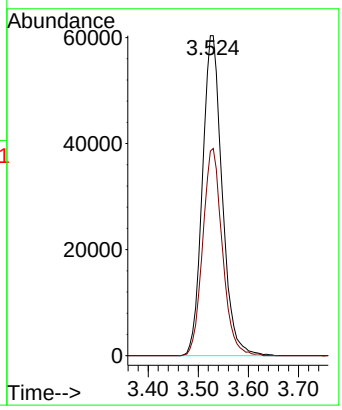


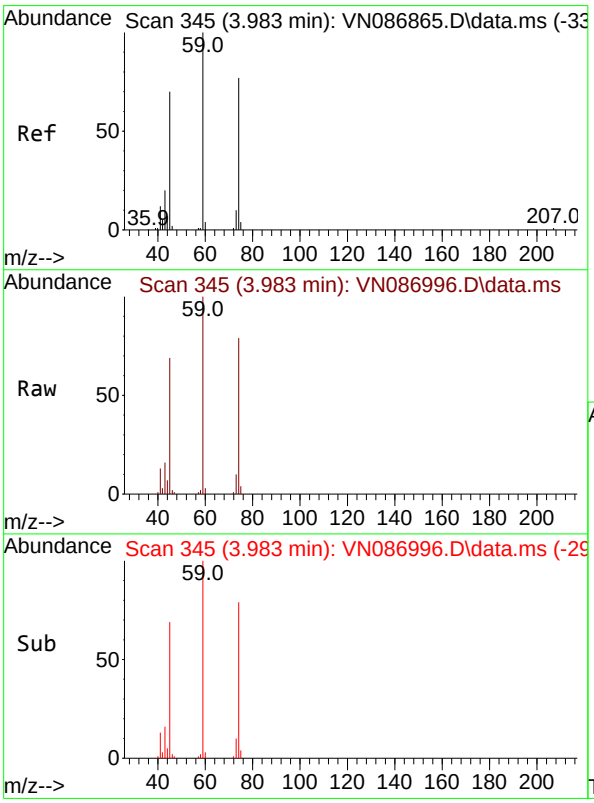
#7
Trichlorofluoromethane
Concen: 49.983 ug/l
RT: 3.524 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 165154

Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.2	78.2

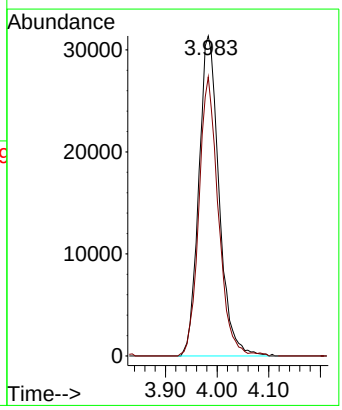


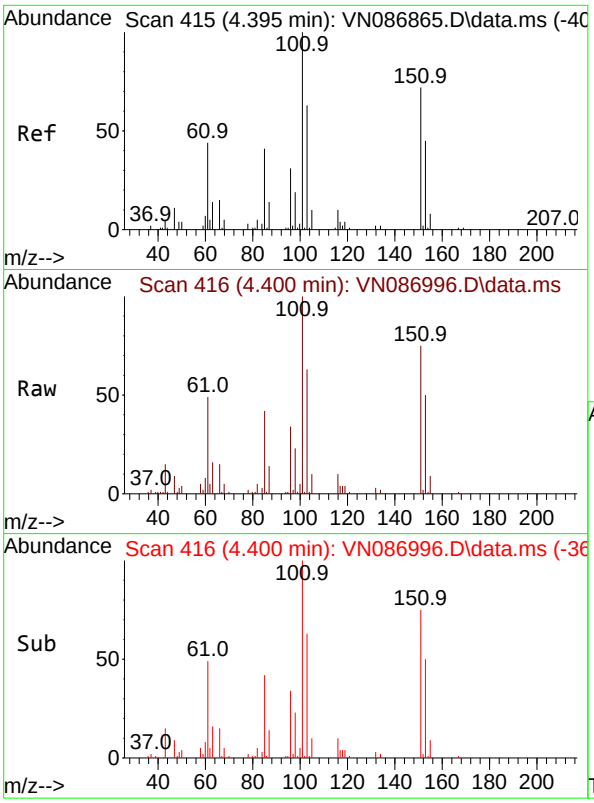


#8
Diethyl Ether
Concen: 59.305 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 74 Resp: 85377

Ion	Ratio	Lower	Upper
74	100		
45	83.8	45.5	136.5



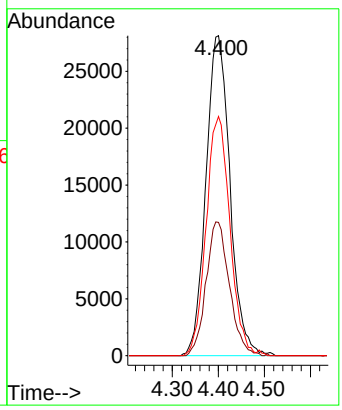


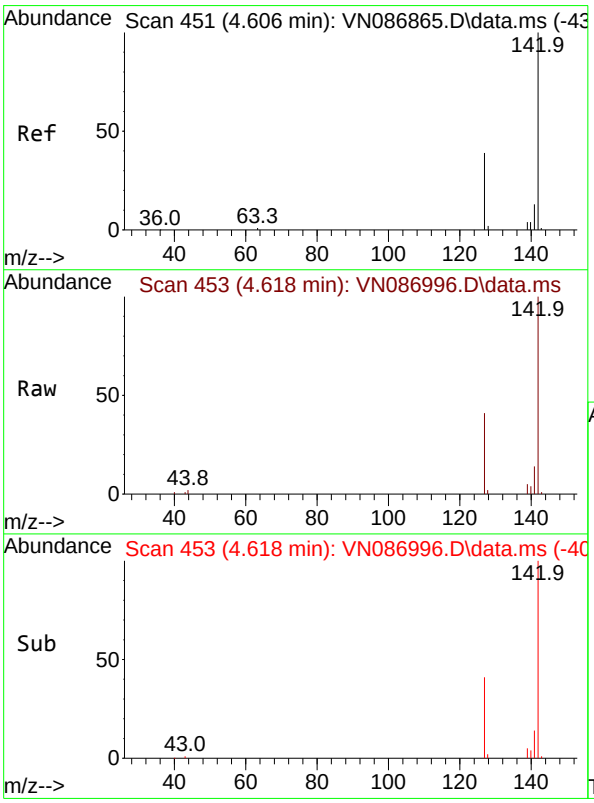
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.231 ug/l
RT: 4.400 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 102200

Ion	Ratio	Lower	Upper
101	100		
85	40.5	33.8	50.8
151	73.7	58.7	88.1

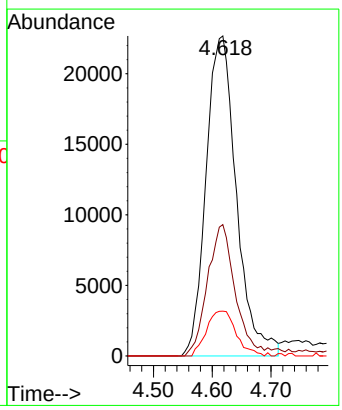


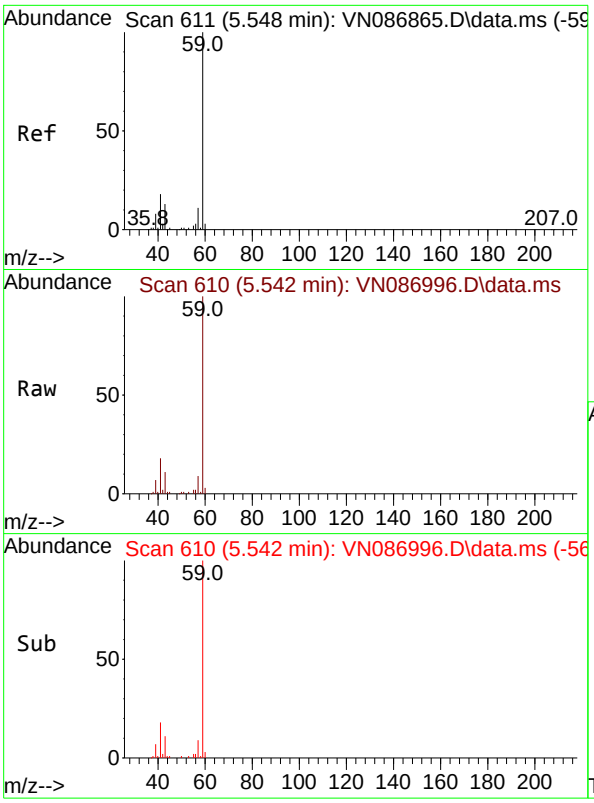


#10
Methyl Iodide
Concen: 30.223 ug/l
RT: 4.618 min Scan# 453
Delta R.T. 0.012 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:142 Resp: 81332

Ion	Ratio	Lower	Upper
142	100		
127	41.0	30.9	46.3
141	14.0	10.4	15.6



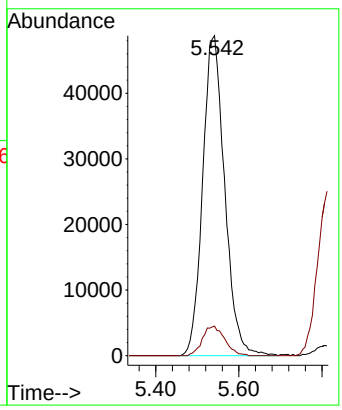


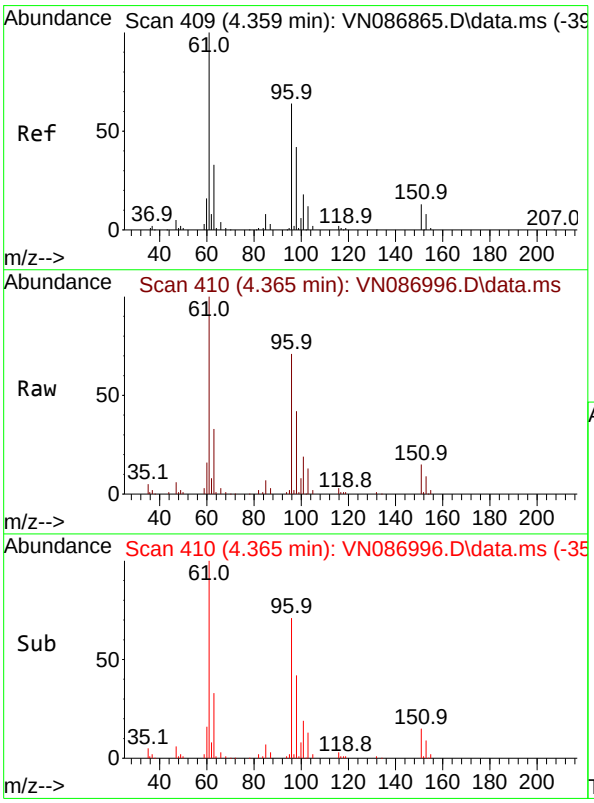
#11
Tert butyl alcohol
Concen: 259.155 ug/l
RT: 5.542 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 179272

Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.1	12.1

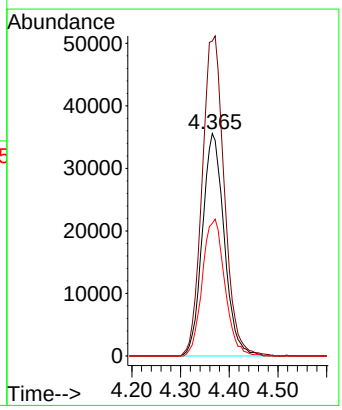


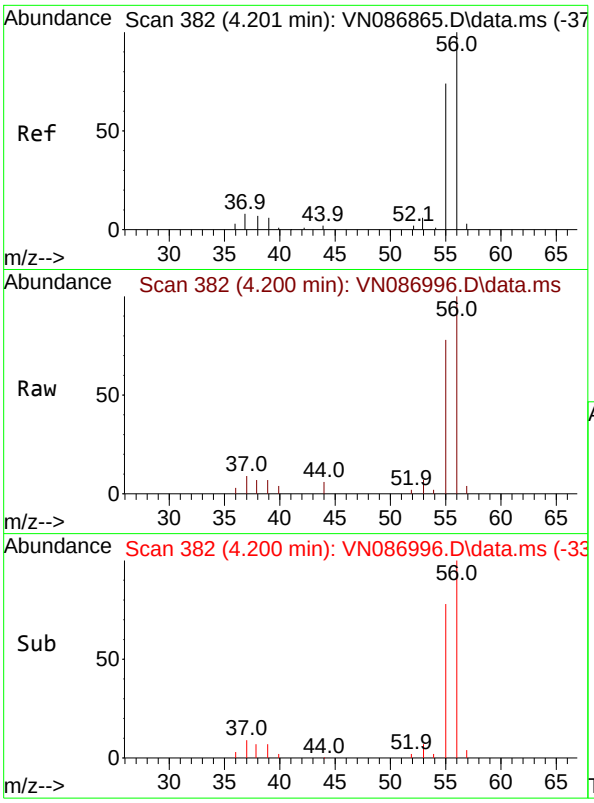


#12
1,1-Dichloroethene
Concen: 52.196 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 96 Resp: 110621

Ion	Ratio	Lower	Upper
96	100		
61	141.6	125.8	188.6
98	59.6	52.5	78.7



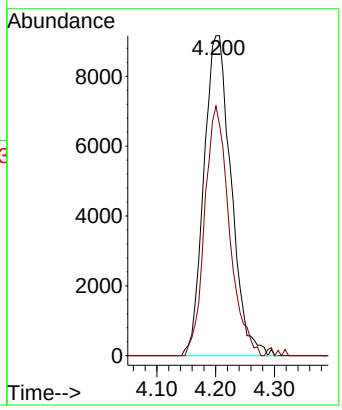


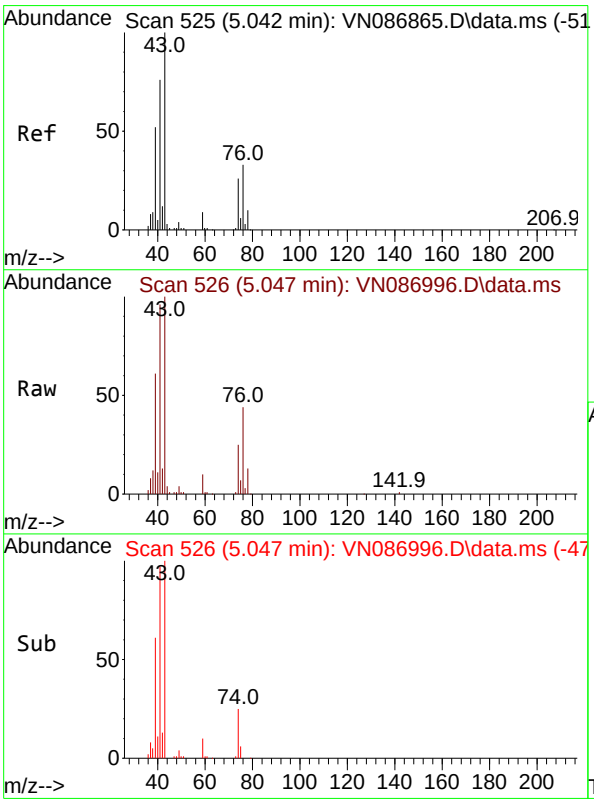
#13
Acrolein
Concen: 134.505 ug/l
RT: 4.200 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 29452

Ion	Ratio	Lower	Upper
56	100		
55	70.7	55.6	83.4

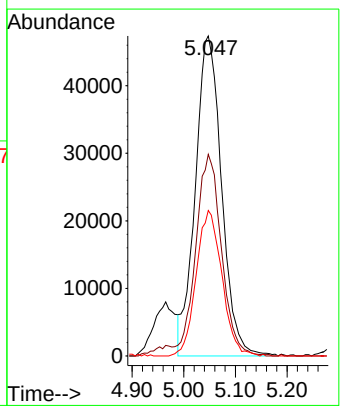


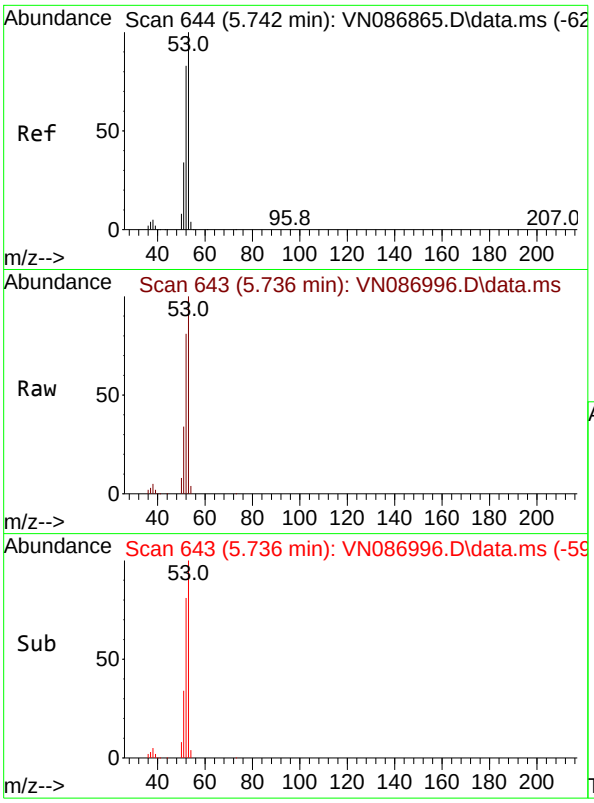


#14
Allyl chloride
Concen: 47.673 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 41 Resp: 167560

Ion	Ratio	Lower	Upper
41	100		
39	61.5	51.3	76.9
76	44.4	31.4	47.0



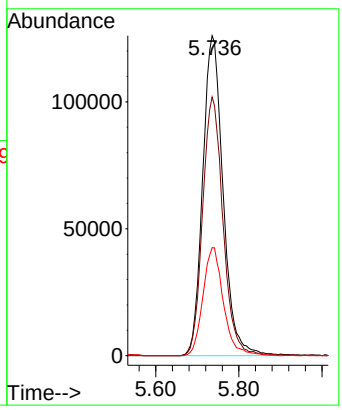


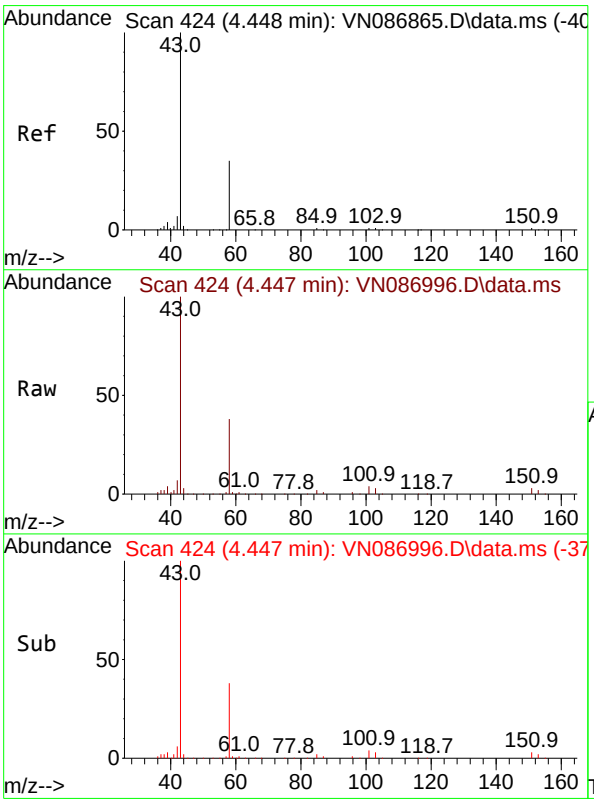
#15
Acrylonitrile
Concen: 265.480 ug/l
RT: 5.736 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 429249

Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.0	97.6
51	34.0	27.2	40.8

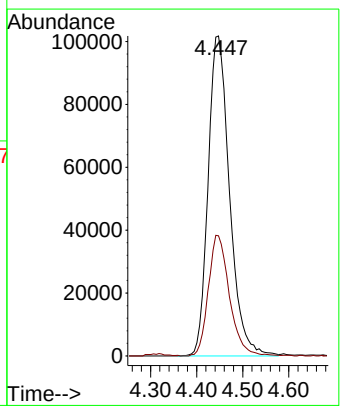


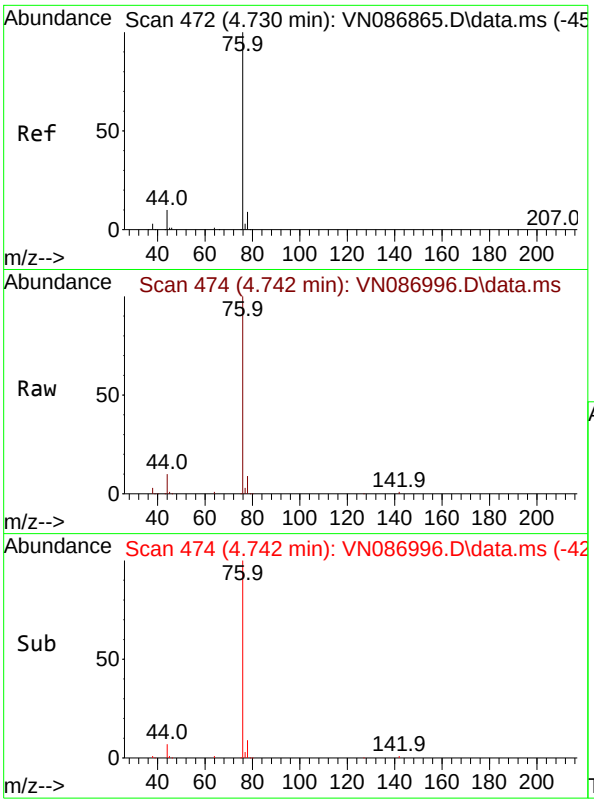


#16
Acetone
Concen: 243.522 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 43 Resp: 329234

Ion	Ratio	Lower	Upper
43	100		
58	37.3	28.0	42.0



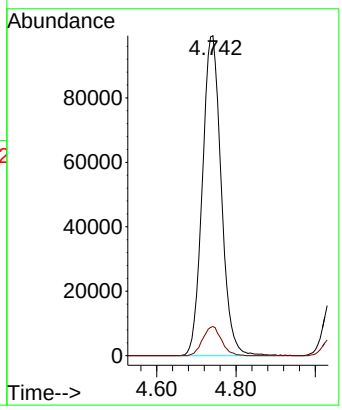


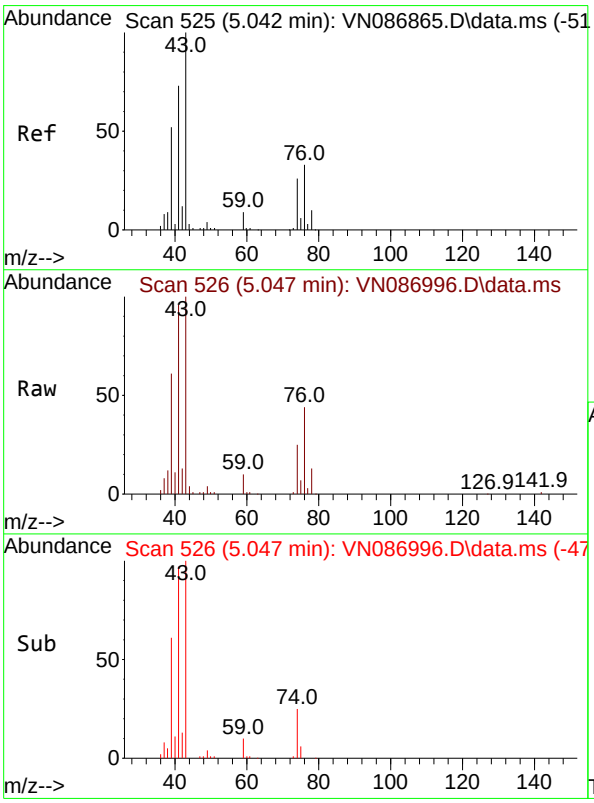
#17
Carbon Disulfide
Concen: 55.851 ug/l
RT: 4.742 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 327418

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

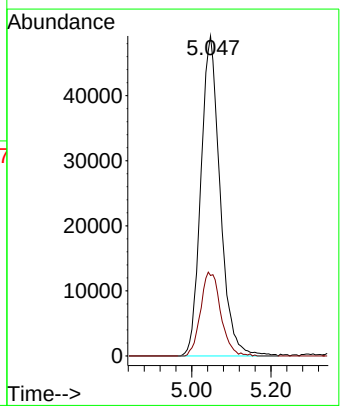


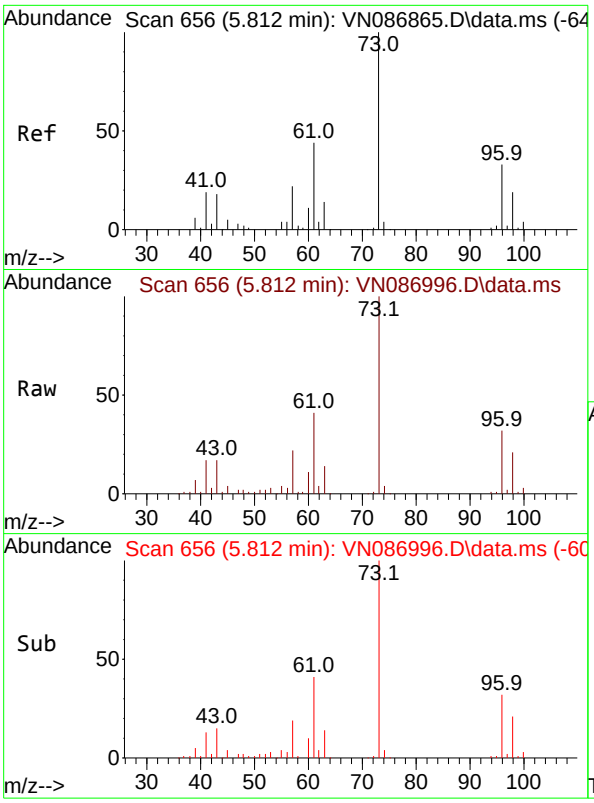


#18
Methyl Acetate
Concen: 42.045 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 43 Resp: 165652

Ion	Ratio	Lower	Upper
43	100		
74	27.4	20.7	31.1



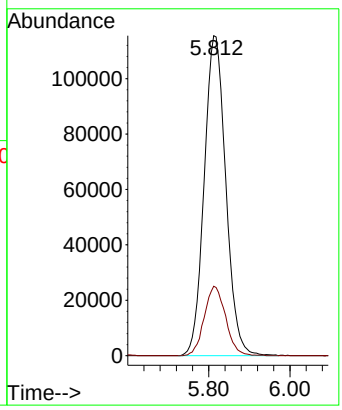


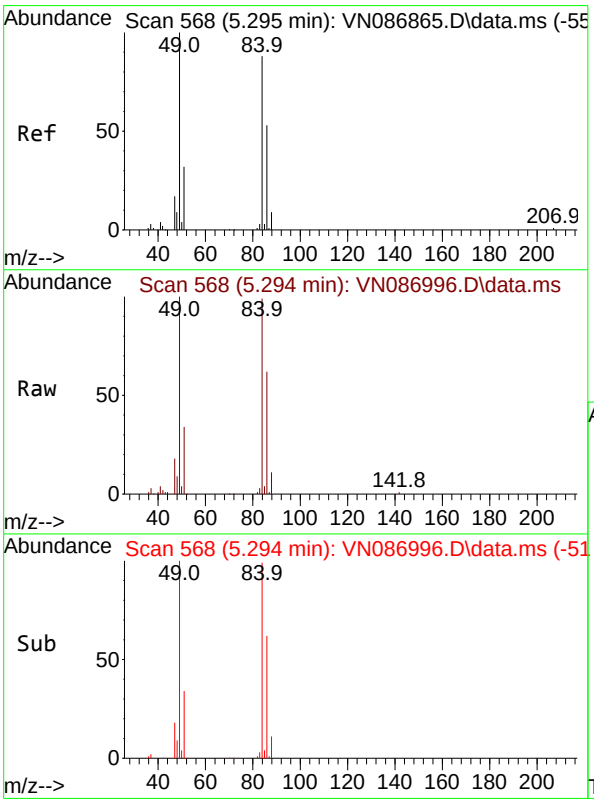
#19
Methyl tert-butyl Ether
Concen: 55.607 ug/l
RT: 5.812 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 426708

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2

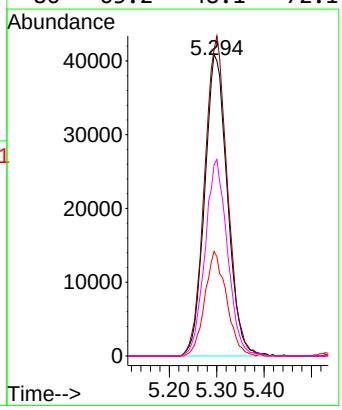


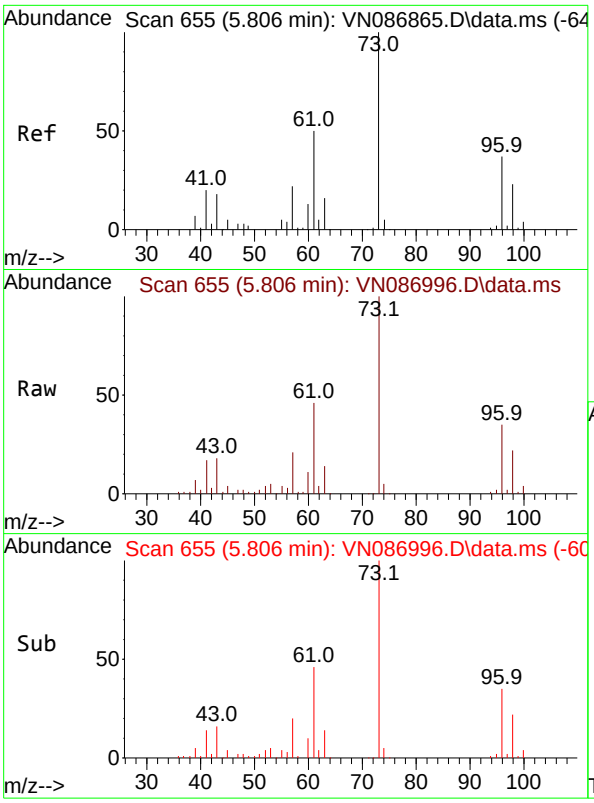


#20
Methylene Chloride
Concen: 53.804 ug/l
RT: 5.294 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 84 Resp: 136185

Ion	Ratio	Lower	Upper
84	100		
49	101.4	90.5	135.7
51	34.6	28.5	42.7
86	63.2	48.1	72.1



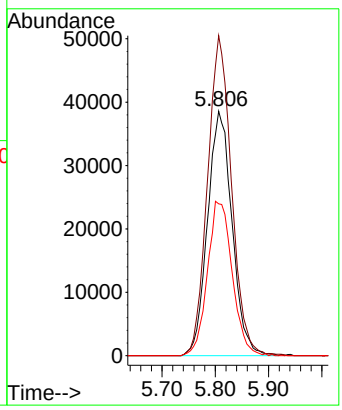


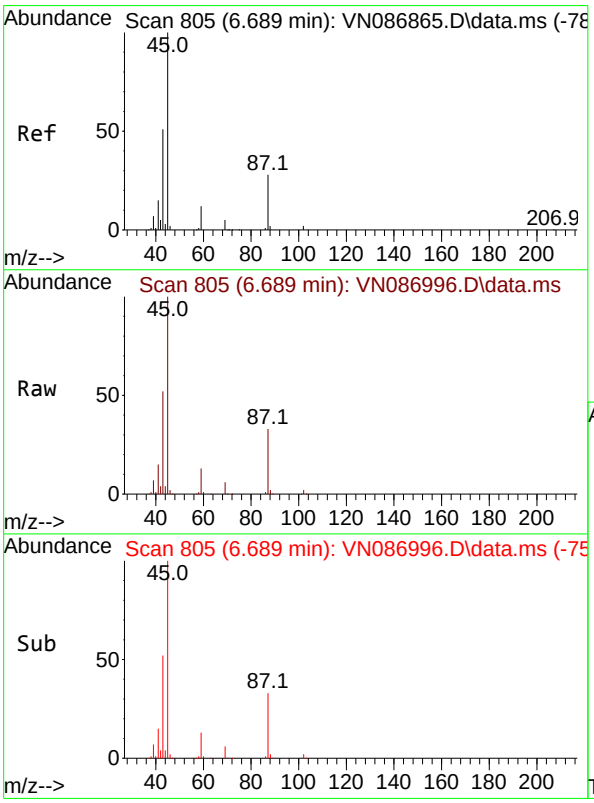
#21
trans-1,2-Dichloroethene
Concen: 52.316 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 123359

Ion	Ratio	Lower	Upper
96	100		
61	130.9	109.2	163.8
98	62.1	49.8	74.8

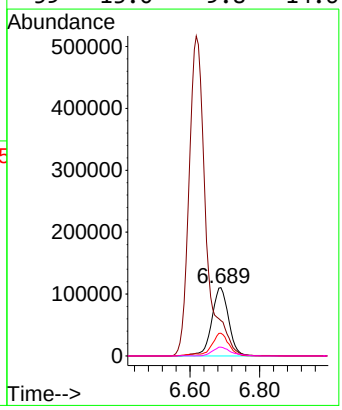


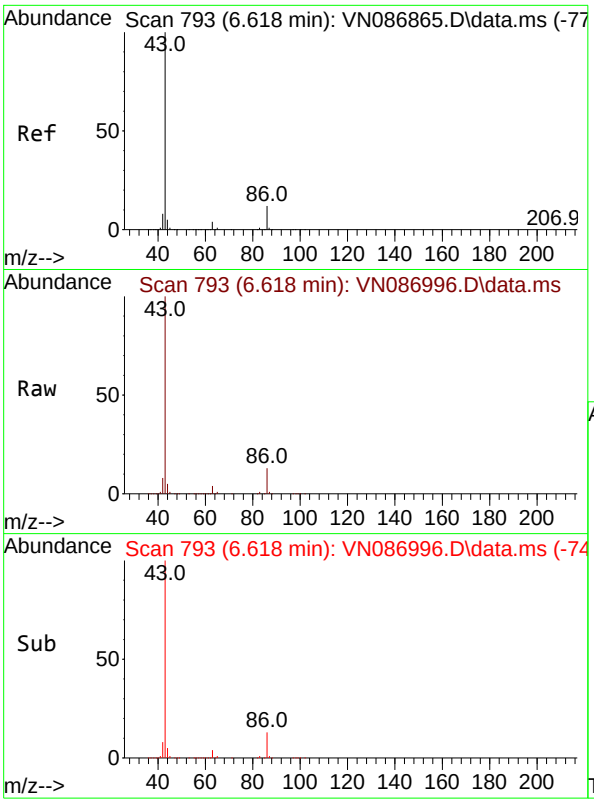


#22
Diisopropyl ether
Concen: 50.223 ug/l
RT: 6.689 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 45 Resp: 372100

Ion	Ratio	Lower	Upper
45	100		
43	51.5	41.9	62.9
87	33.3	22.4	33.6
59	13.0	9.8	14.6



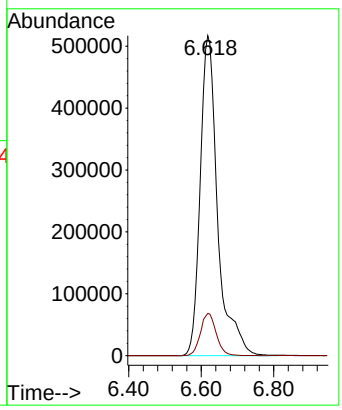


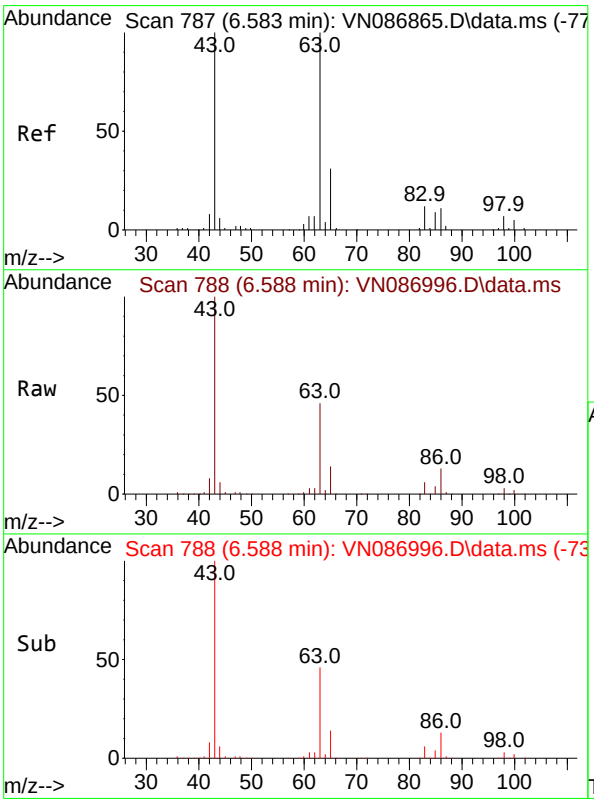
#23
Vinyl Acetate
Concen: 276.228 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1729112

Ion	Ratio	Lower	Upper
43	100		
86	13.2	9.5	14.3

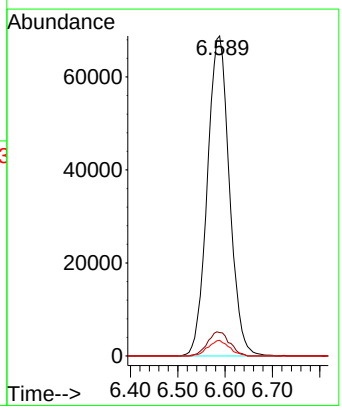


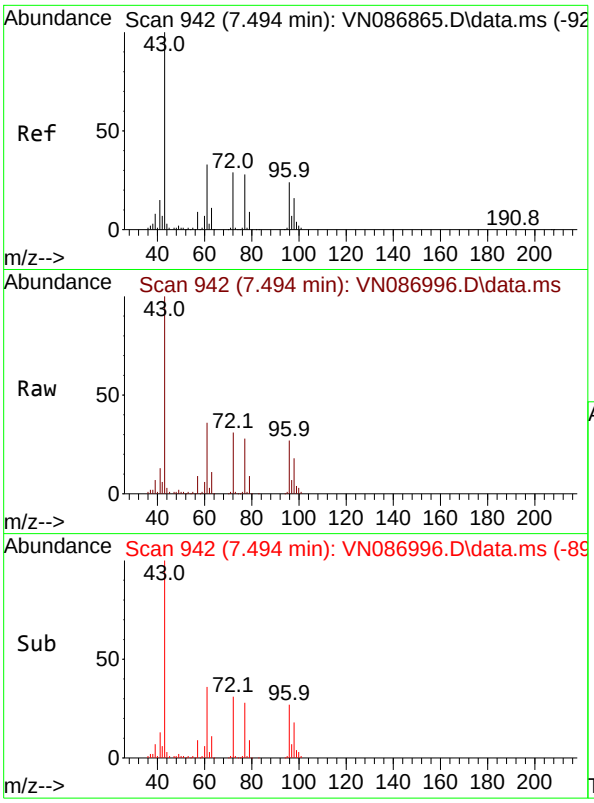


#24
1,1-Dichloroethane
Concen: 52.162 ug/l
RT: 6.588 min Scan# 788
Delta R.T. 0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 63 Resp: 222402

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.6	10.8
100	4.9	2.6	7.8



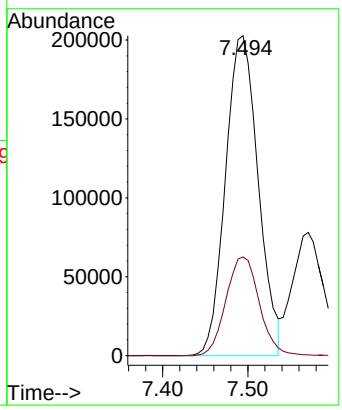


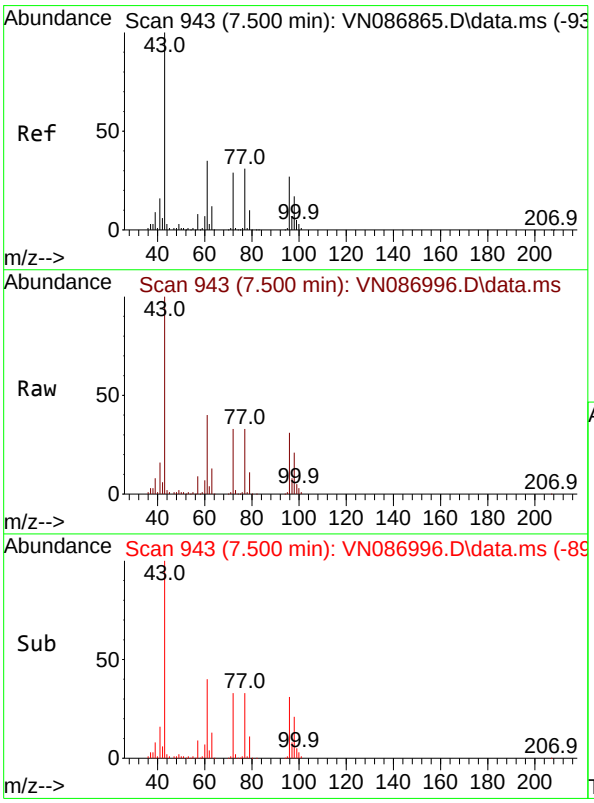
#25
2-Butanone
Concen: 246.825 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 542418

Ion	Ratio	Lower	Upper
43	100		
72	30.8	23.0	34.6

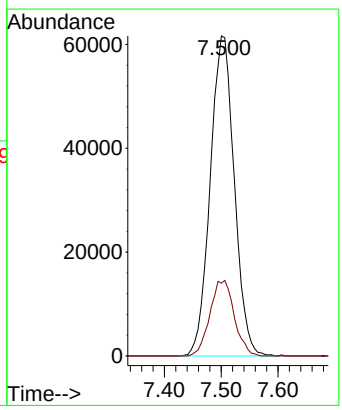


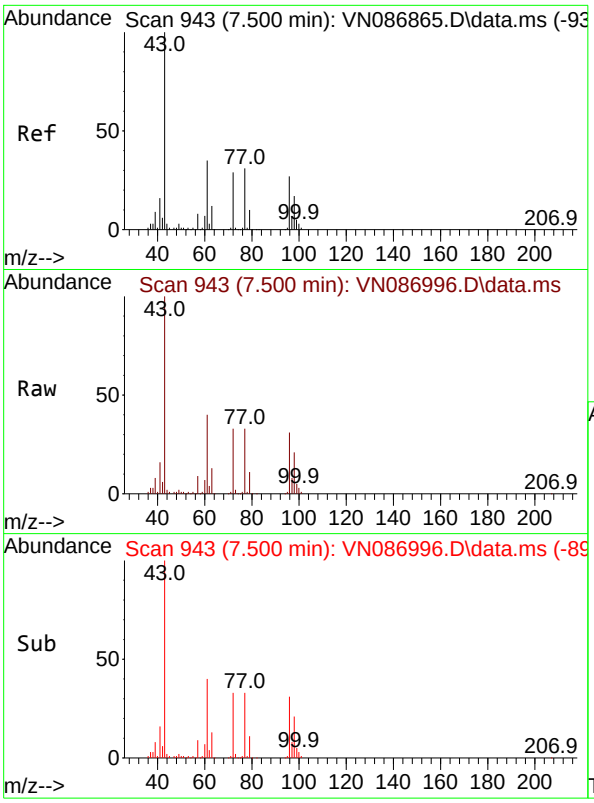


#26
2,2-Dichloropropane
Concen: 54.680 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 77 Resp: 181352

Ion	Ratio	Lower	Upper
77	100		
97	23.9	11.6	34.7



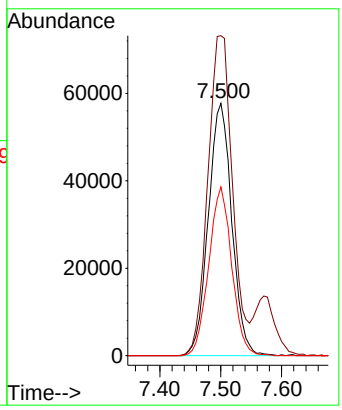


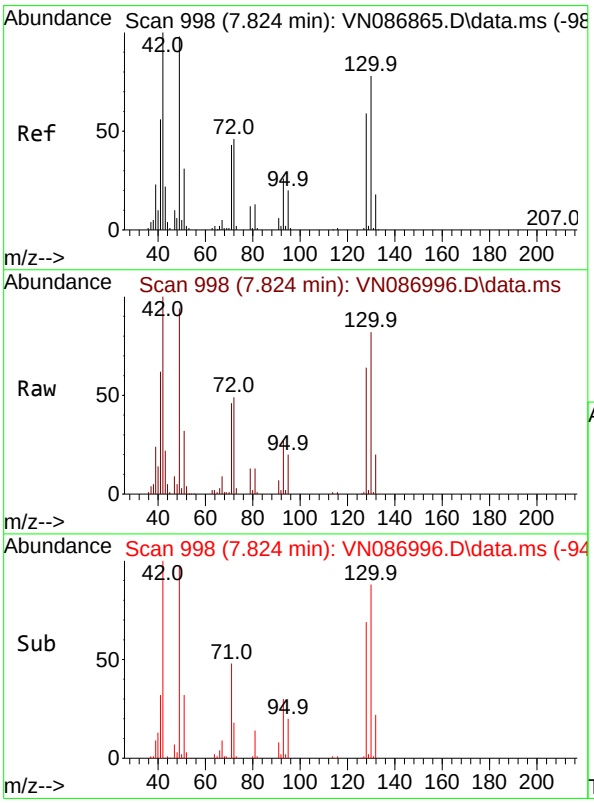
#27
cis-1,2-Dichloroethene
Concen: 54.931 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 154905

Ion	Ratio	Lower	Upper
96	100		
61	133.1	0.0	278.0
98	65.3	0.0	128.2

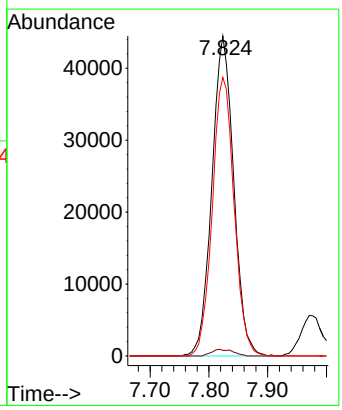


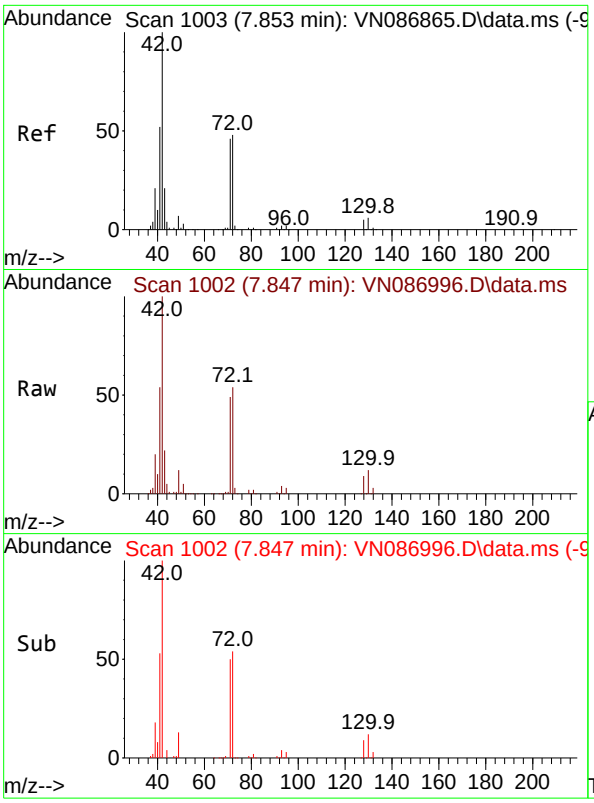


#28
Bromochloromethane
Concen: 54.591 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 49 Resp: 114442

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	87.0	62.2	93.2



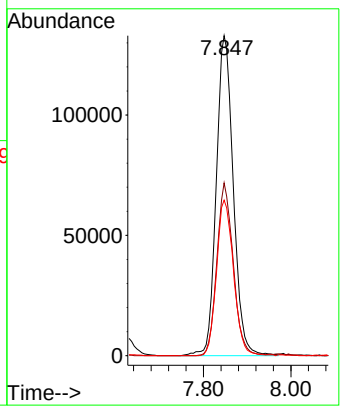


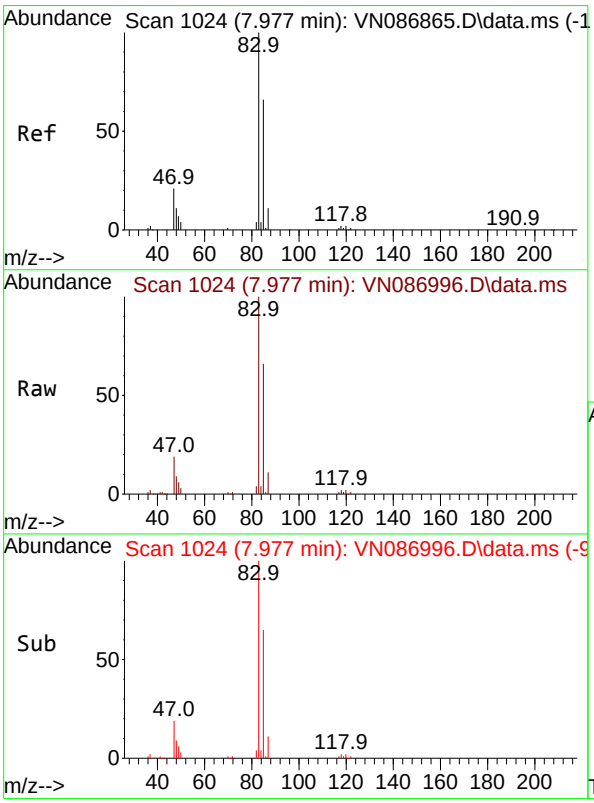
#29
Tetrahydrofuran
Concen: 250.623 ug/l
RT: 7.847 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 358784

Ion	Ratio	Lower	Upper
42	100		
72	51.9	37.8	56.6
71	48.5	35.6	53.4

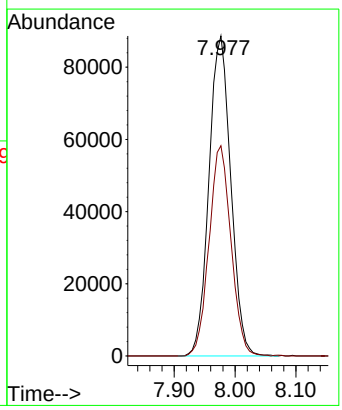


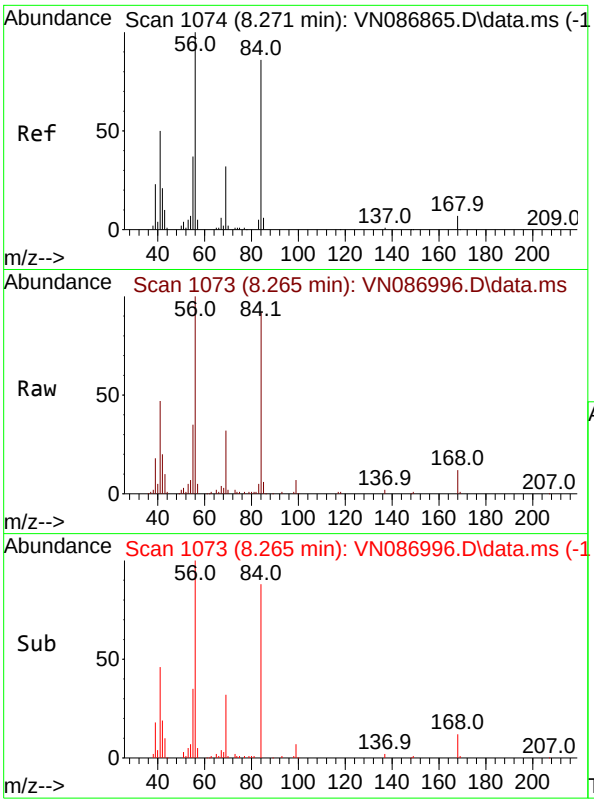


#30
Chloroform
Concen: 51.983 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 83 Resp: 221340

Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.9	79.3



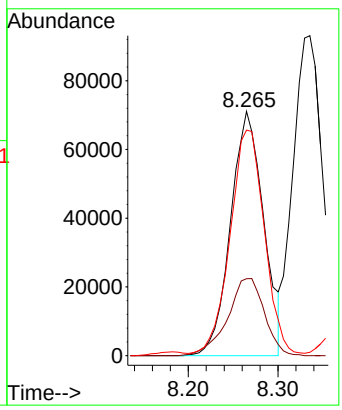


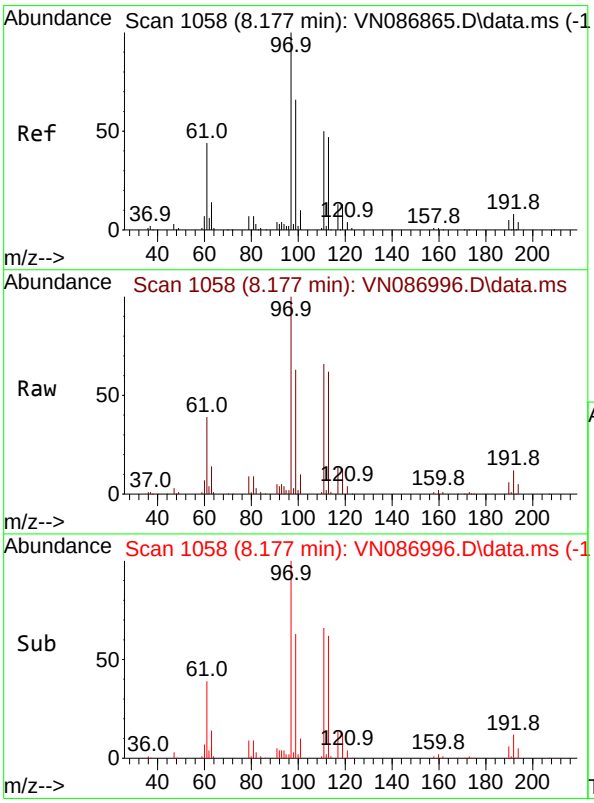
#31
Cyclohexane
Concen: 43.987 ug/l
RT: 8.265 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 181882

Ion	Ratio	Lower	Upper
56	100		
69	31.5	25.4	38.0
84	90.9	68.8	103.2

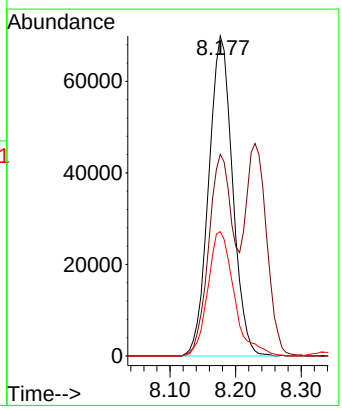


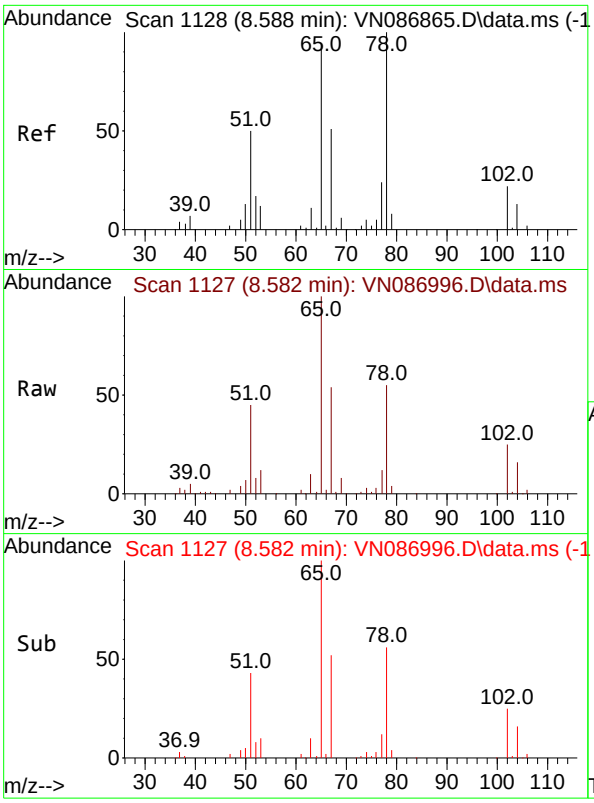


#32
1,1,1-Trichloroethane
Concen: 48.720 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 97 Resp: 176440

Ion	Ratio	Lower	Upper
97	100		
99	66.0	52.0	78.0
61	42.9	35.9	53.9



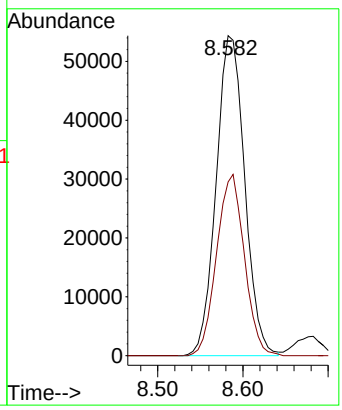


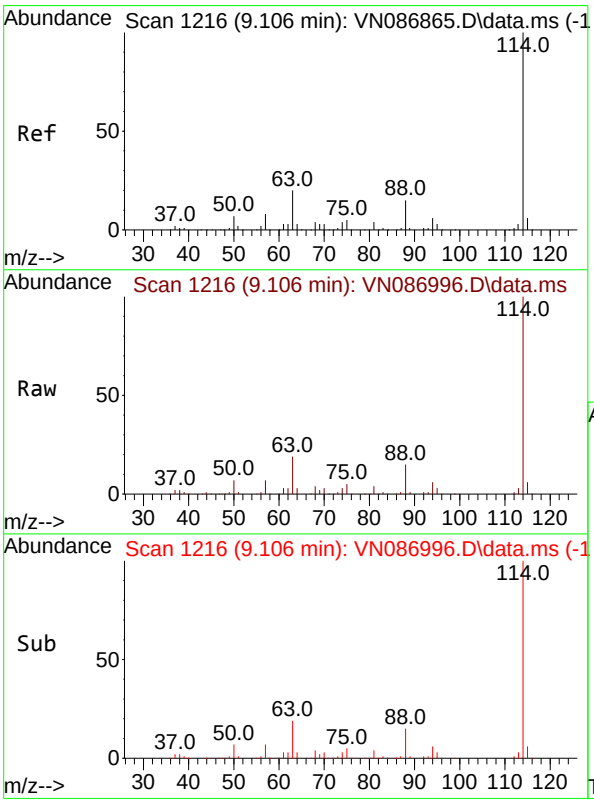
#33
1,2-Dichloroethane-d4
Concen: 49.645 ug/l
RT: 8.582 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 126564

Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	105.6

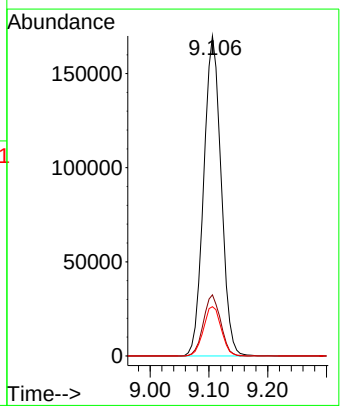


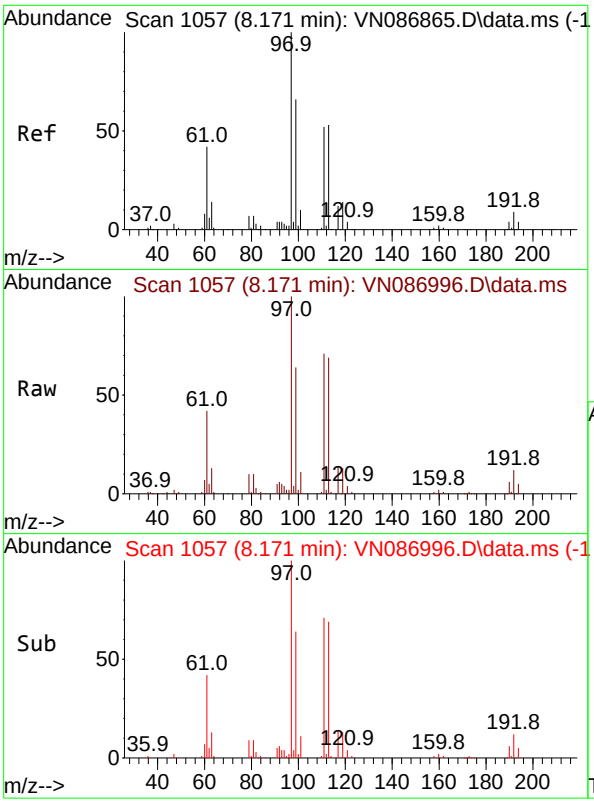


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:114 Resp: 349185

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.6
88	15.4	0.0	30.2



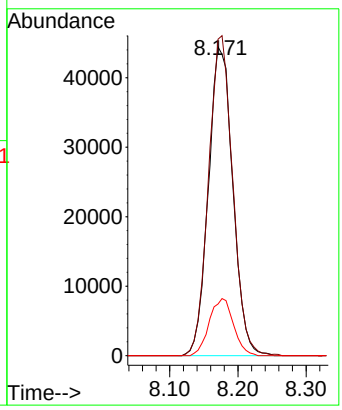


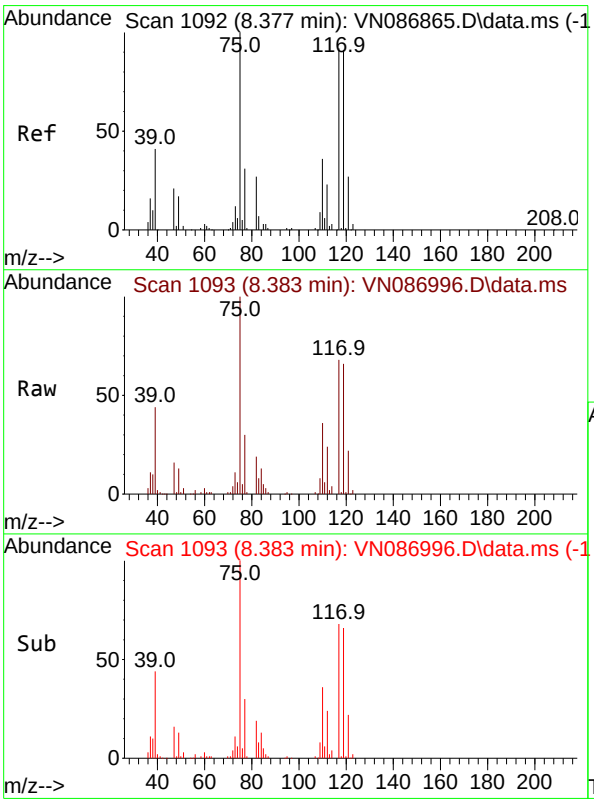
#35
Dibromofluoromethane
Concen: 53.613 ug/l
RT: 8.171 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 110945

Ion	Ratio	Lower	Upper
113	100		
111	102.3	84.2	126.2
192	18.3	14.2	21.4

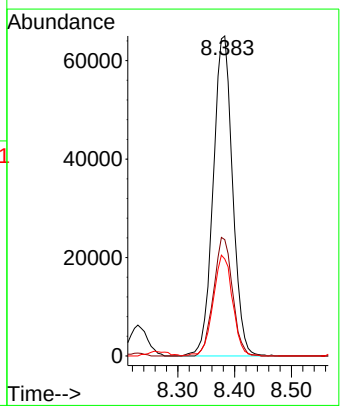


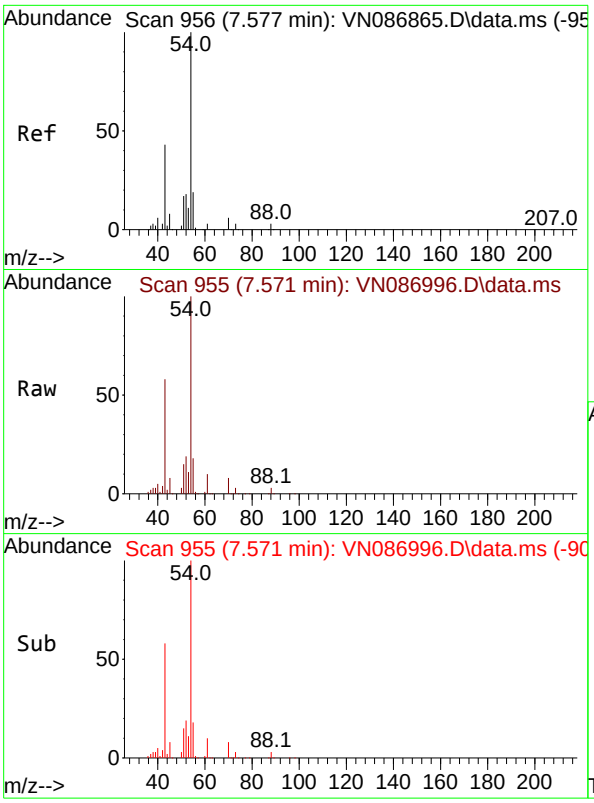


#36
1,1-Dichloropropene
Concen: 49.963 ug/l
RT: 8.383 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 75 Resp: 154064

Ion	Ratio	Lower	Upper
75	100		
110	36.3	17.6	52.9
77	31.6	25.3	37.9



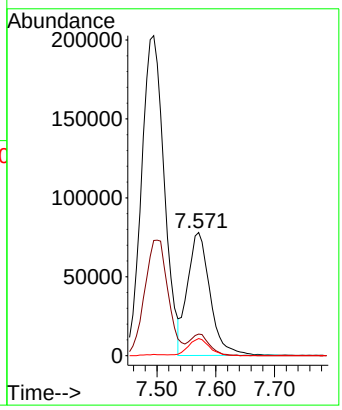


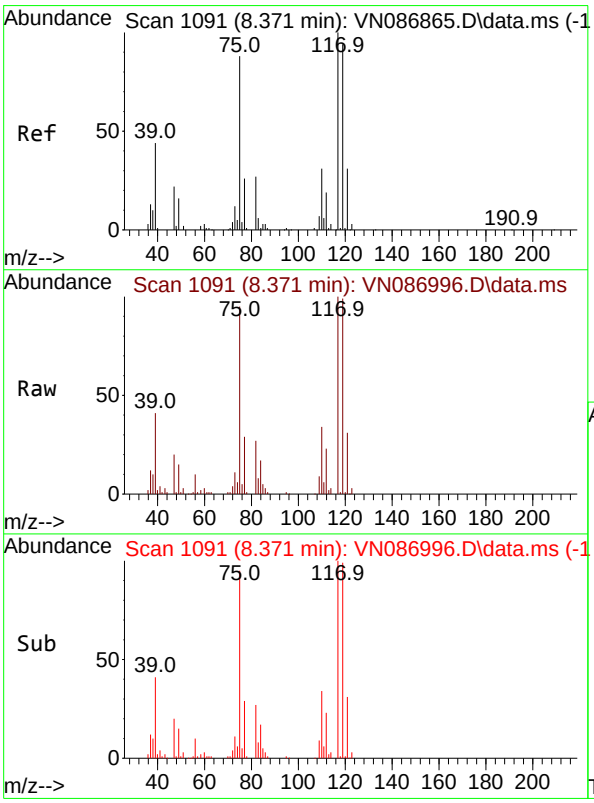
#37
Ethyl Acetate
Concen: 52.914 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 207704

Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.1	18.1
70	13.1	9.8	14.6

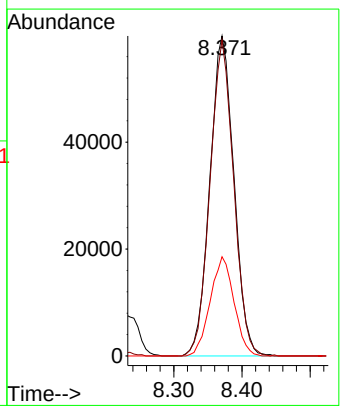


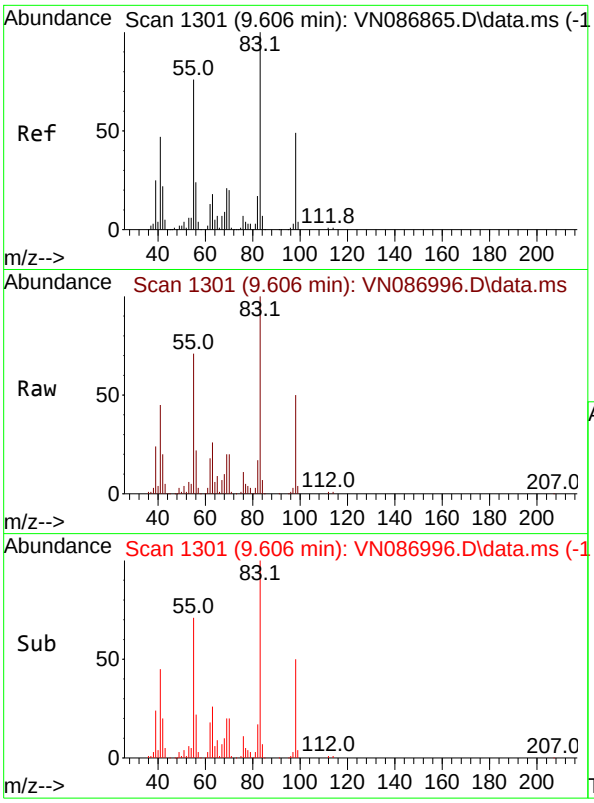


#38
Carbon Tetrachloride
Concen: 48.564 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:117 Resp: 147019

Ion	Ratio	Lower	Upper
117	100		
119	98.7	75.0	112.6
121	31.0	24.9	37.3



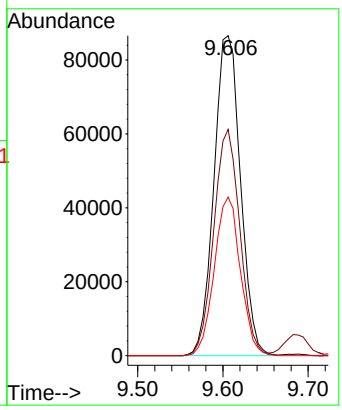


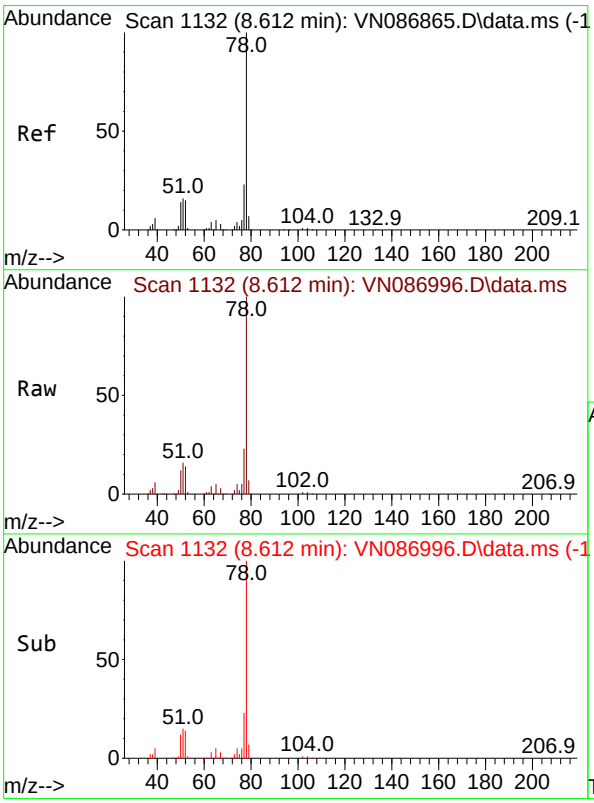
#39
Methylcyclohexane
Concen: 44.385 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 187509

Ion	Ratio	Lower	Upper
83	100		
55	70.7	61.0	91.6
98	49.5	38.9	58.3

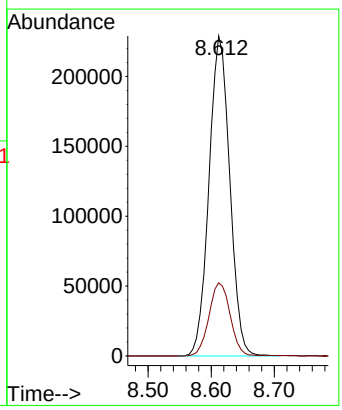


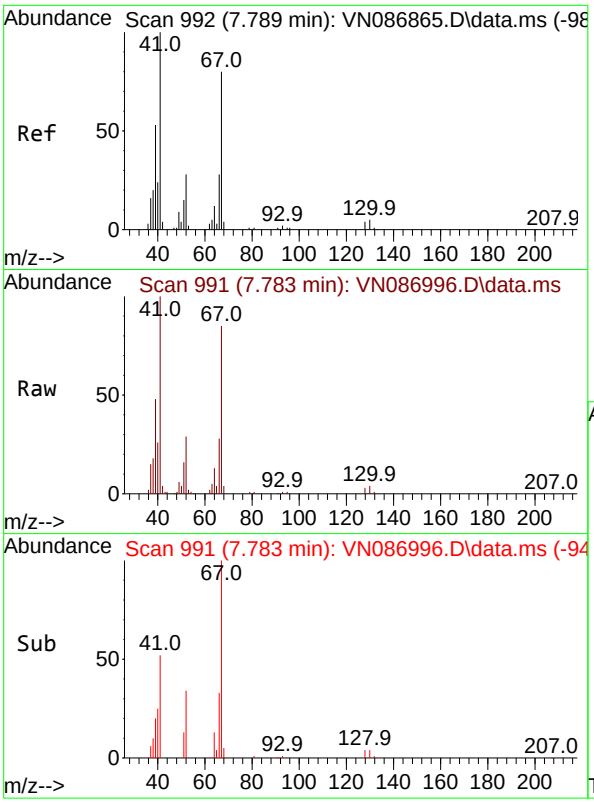


#40
Benzene
Concen: 51.942 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 78 Resp: 523742

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.7	28.1



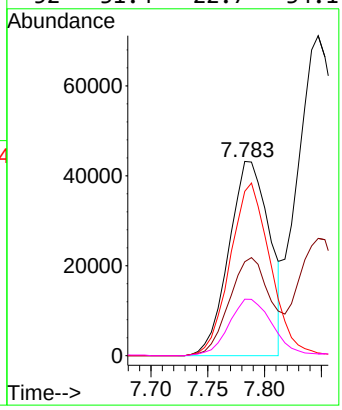


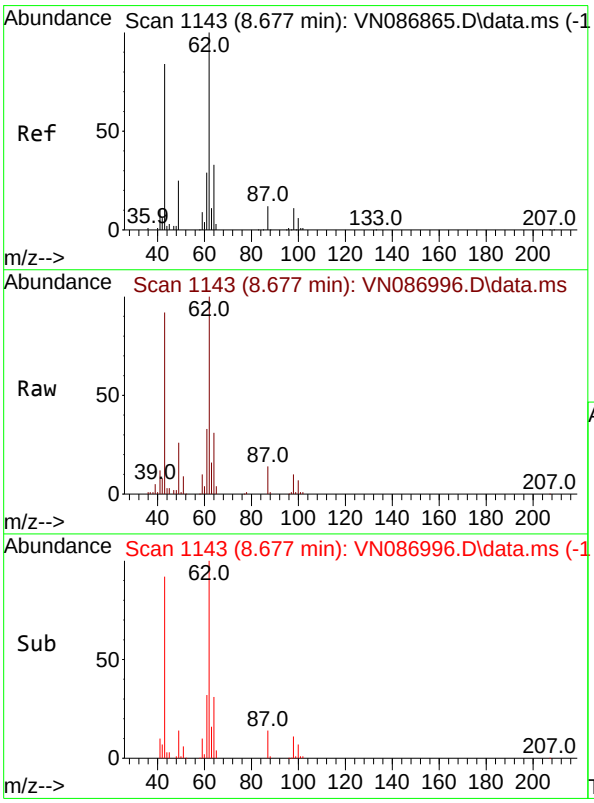
#41
Methacrylonitrile
Concen: 48.771 ug/l
RT: 7.783 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 107515

Ion	Ratio	Lower	Upper
41	100		
39	52.7	41.2	61.8
67	88.3	61.4	92.2
52	31.4	22.7	34.1

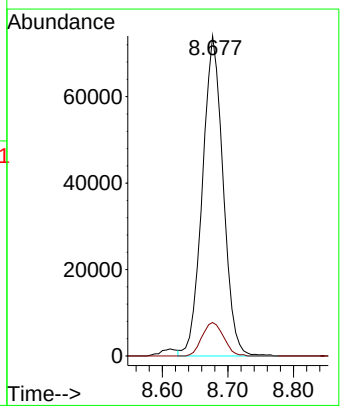


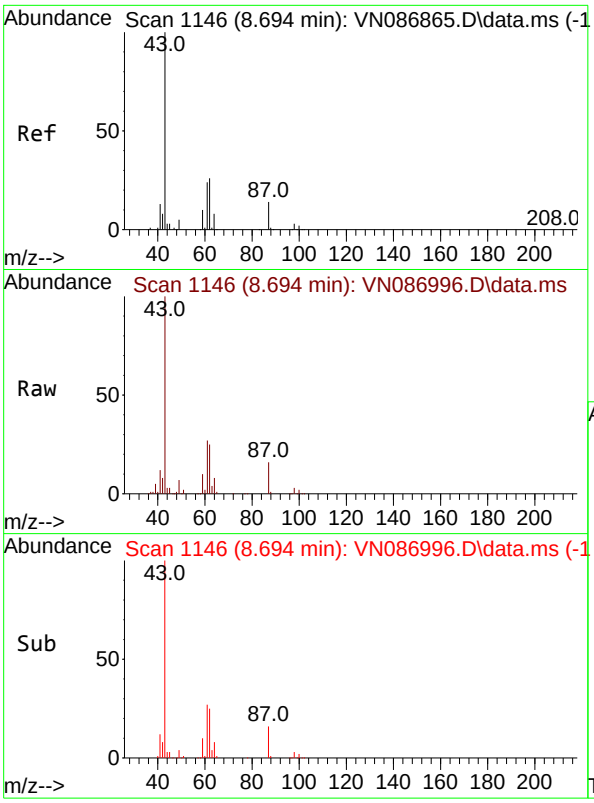


#42
1,2-Dichloroethane
Concen: 53.302 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 62 Resp: 163016

Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	21.2



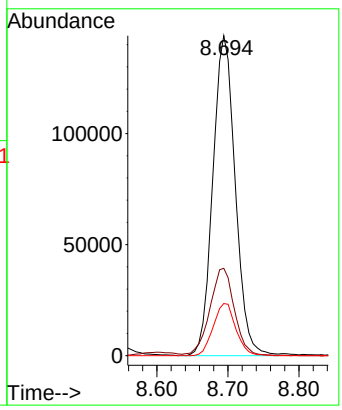


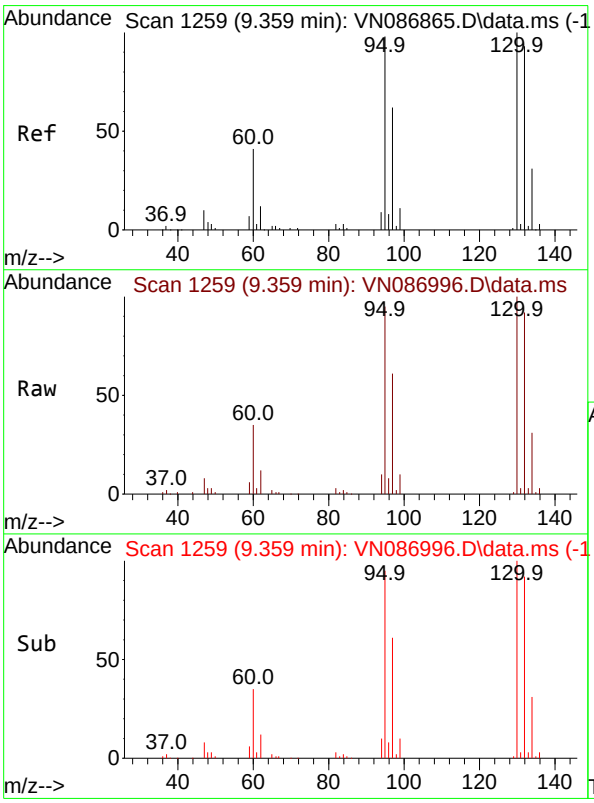
#43
Isopropyl Acetate
Concen: 50.052 ug/l
RT: 8.694 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 315339

Ion	Ratio	Lower	Upper
43	100		
61	30.0	22.1	33.1
87	16.4	11.8	17.6

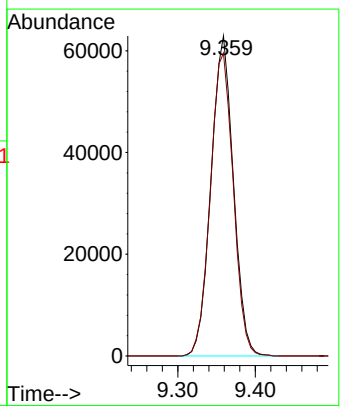


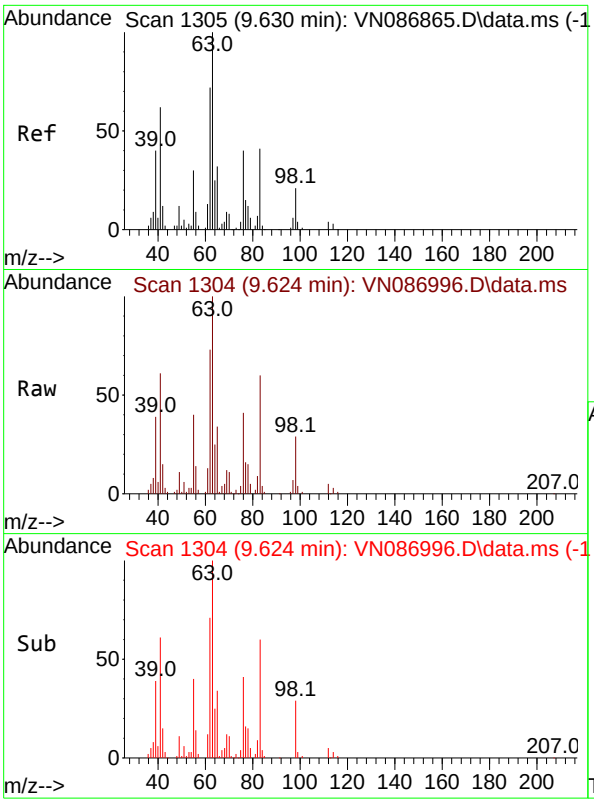


#44
Trichloroethene
Concen: 52.804 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:130 Resp: 126250

Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	196.2



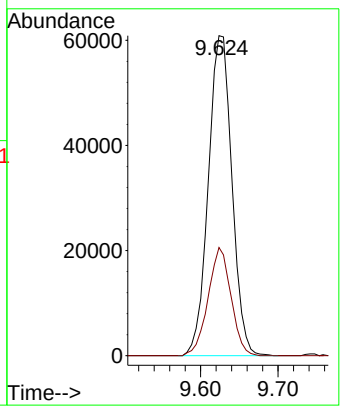


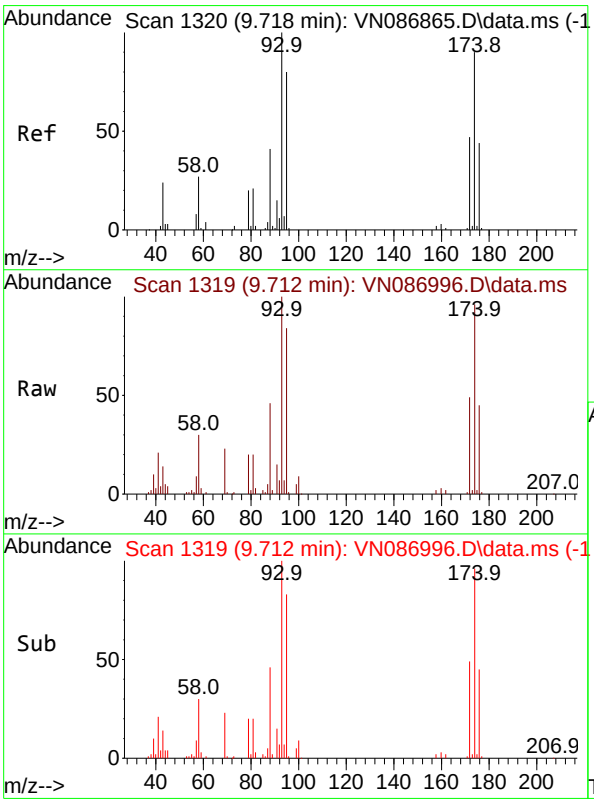
#45
1,2-Dichloropropane
Concen: 52.657 ug/l
RT: 9.624 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 129173

Ion	Ratio	Lower	Upper
63	100		
65	33.8	25.5	38.3

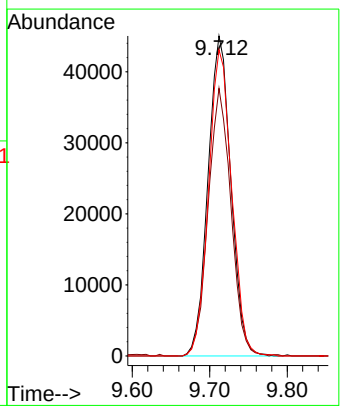


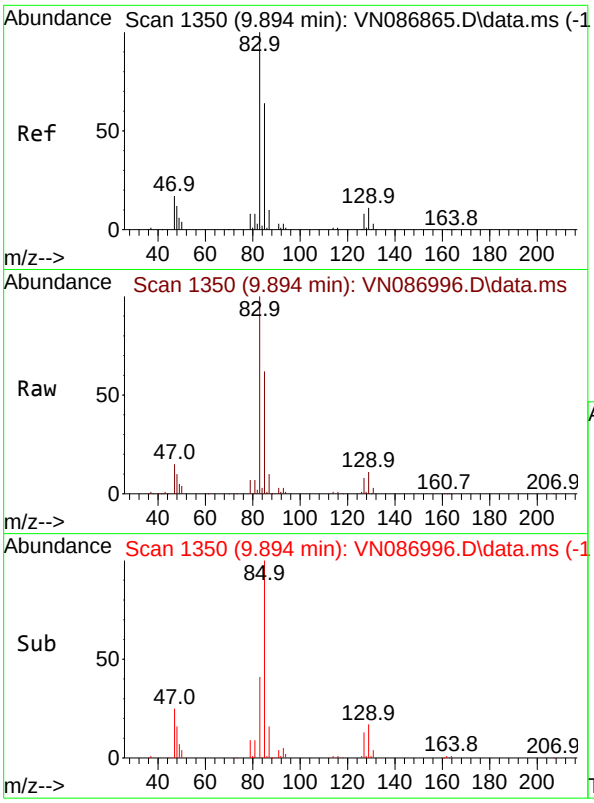


#46
Dibromomethane
Concen: 56.724 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 93 Resp: 92427

Ion	Ratio	Lower	Upper
93	100		
95	83.2	67.1	100.7
174	96.6	74.2	111.4



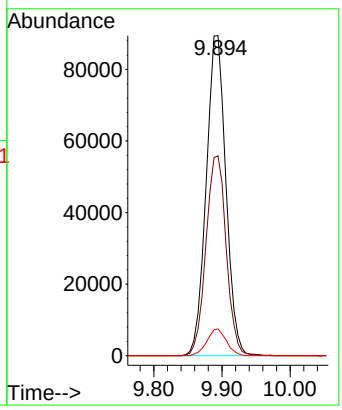


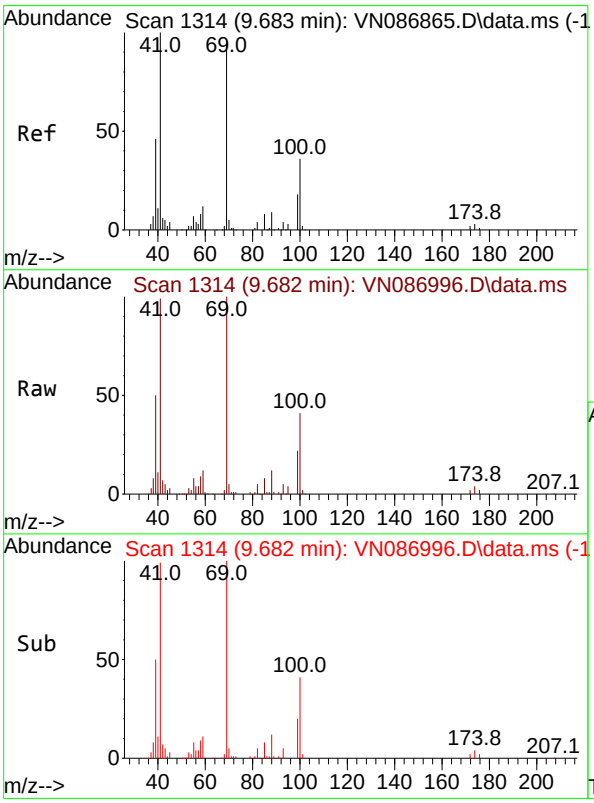
#47
Bromodichloromethane
Concen: 53.637 ug/l
RT: 9.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 179817

Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.9	76.3
127	8.4	6.6	10.0

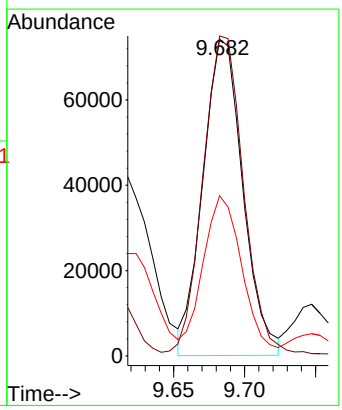


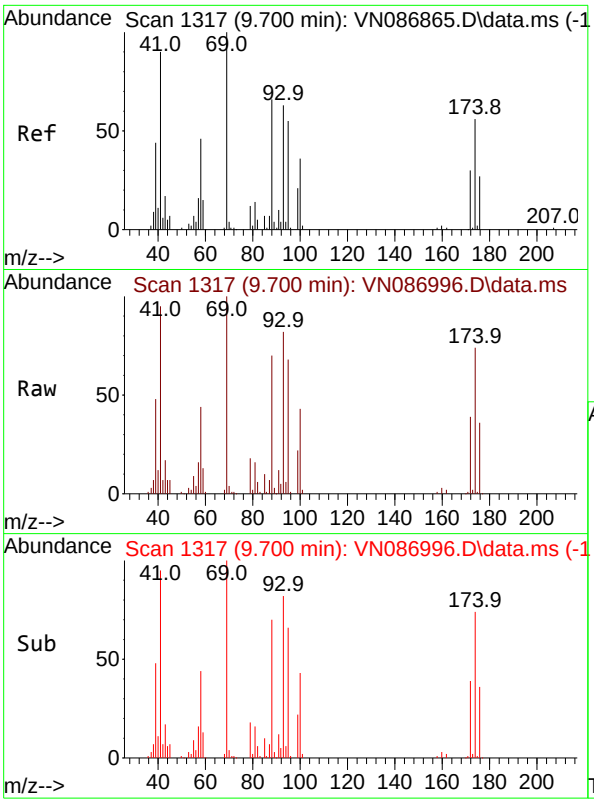


#48
Methyl methacrylate
Concen: 49.899 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 41 Resp: 144695

Ion	Ratio	Lower	Upper
41	100		
69	103.2	74.6	112.0
39	50.4	40.2	60.4



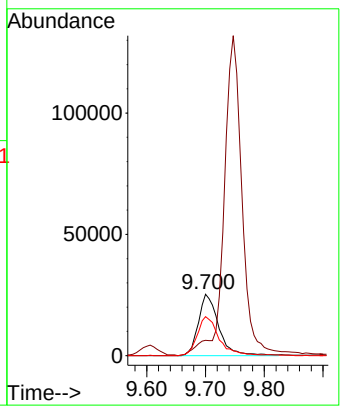


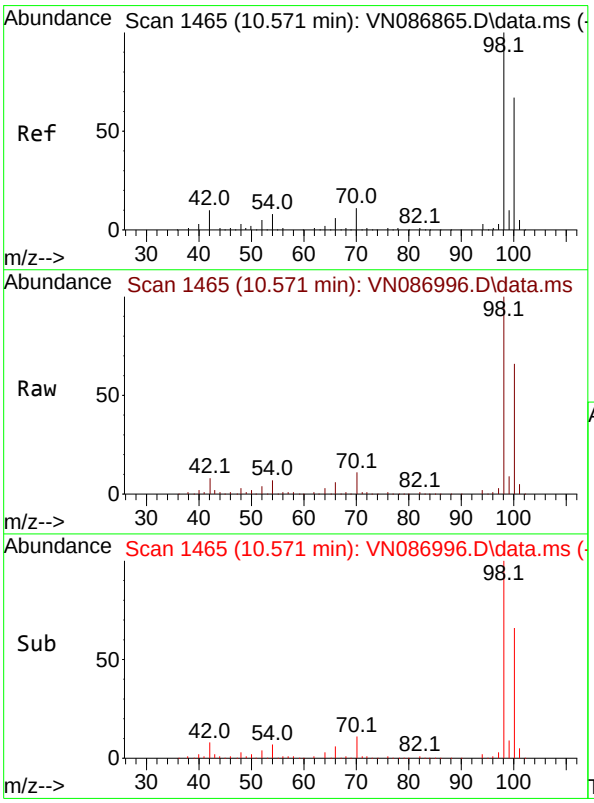
#49
1,4-Dioxane
Concen: 1154.073 ug/l
RT: 9.700 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 60881

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	67.7	57.7	86.5

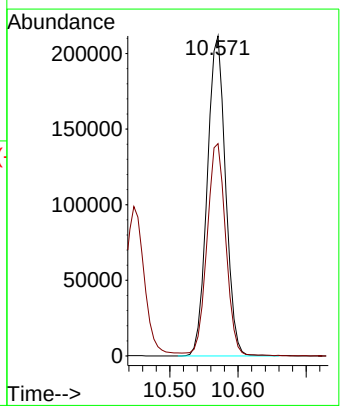


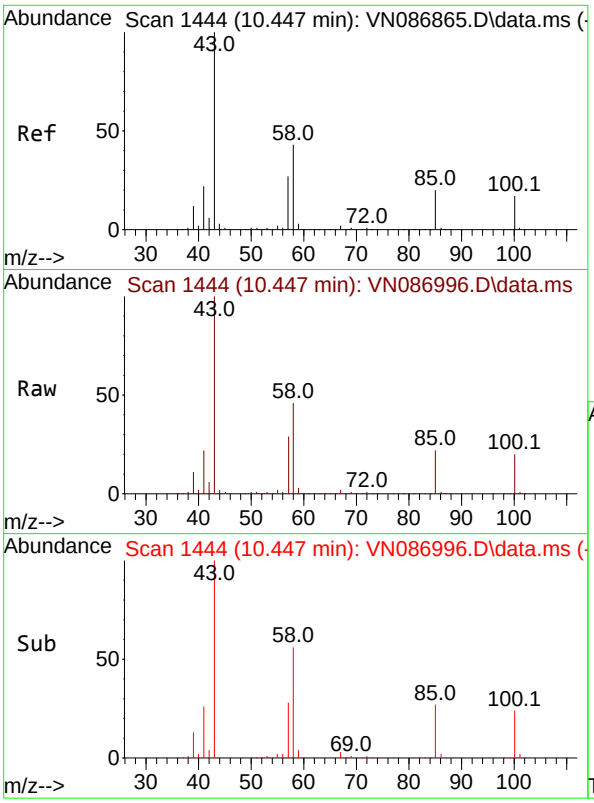


#50
Toluene-d8
Concen: 48.224 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 98 Resp: 395054

Ion	Ratio	Lower	Upper
98	100		
100	68.4	53.4	80.0



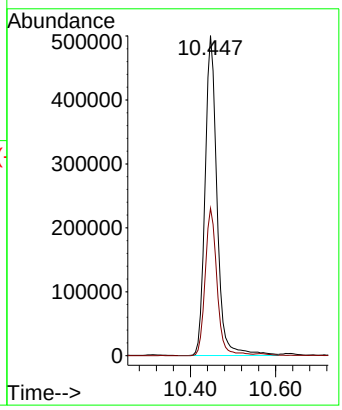


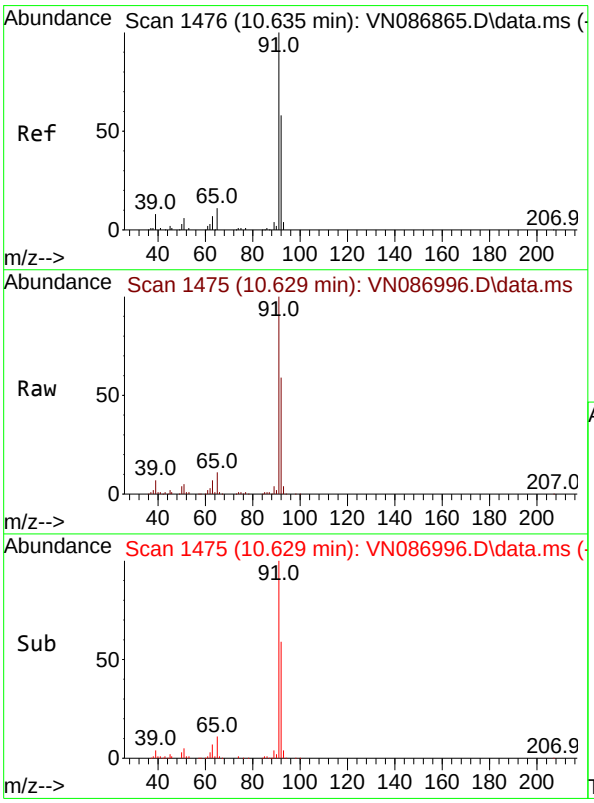
#51
4-Methyl-2-Pentanone
Concen: 257.005 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 974766

Ion	Ratio	Lower	Upper
43	100		
58	45.5	34.2	51.4

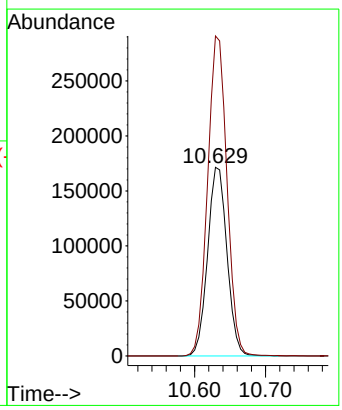


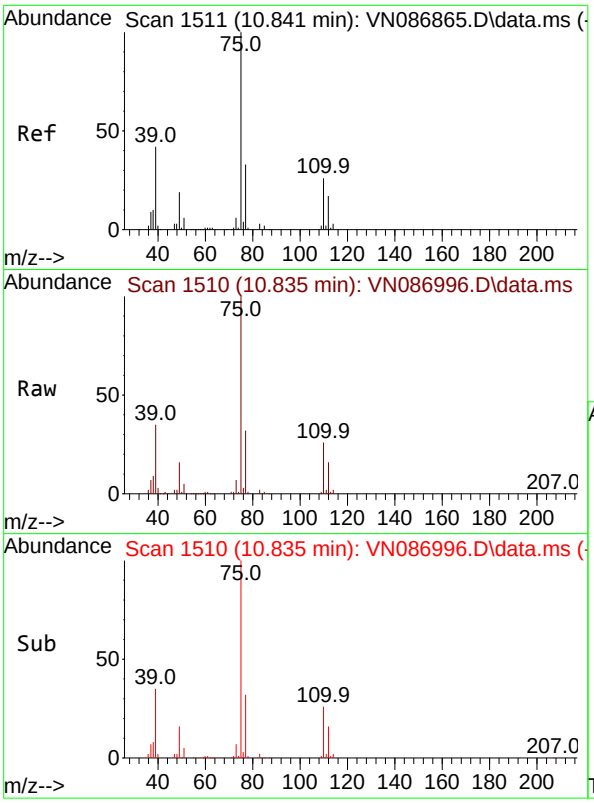


#52
Toluene
Concen: 52.663 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 92 Resp: 324520

Ion	Ratio	Lower	Upper
92	100		
91	169.4	136.5	204.7



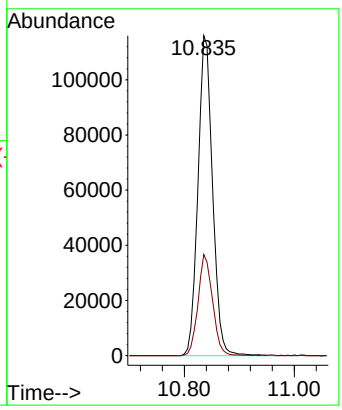


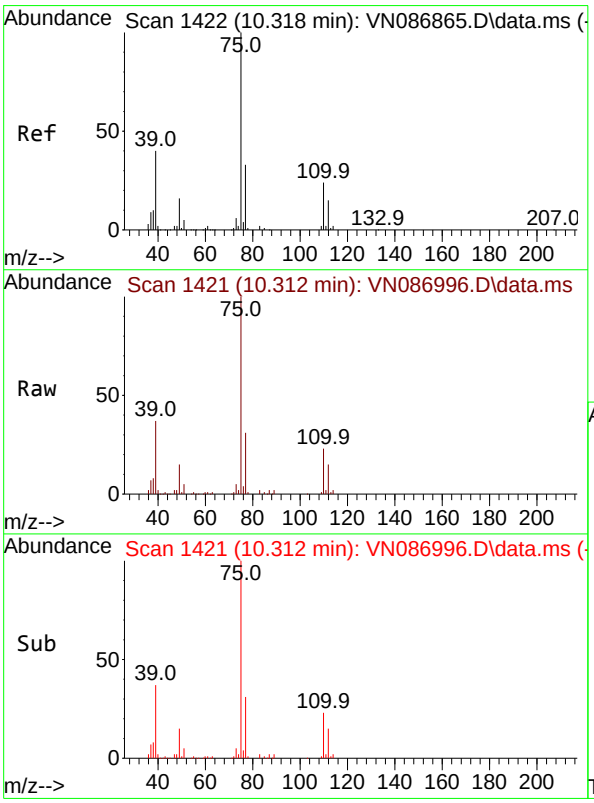
#53
t-1,3-Dichloropropene
Concen: 57.068 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 213932

Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.4	39.6

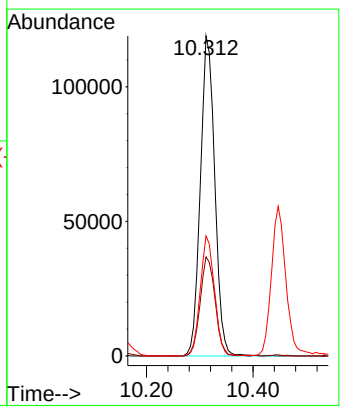


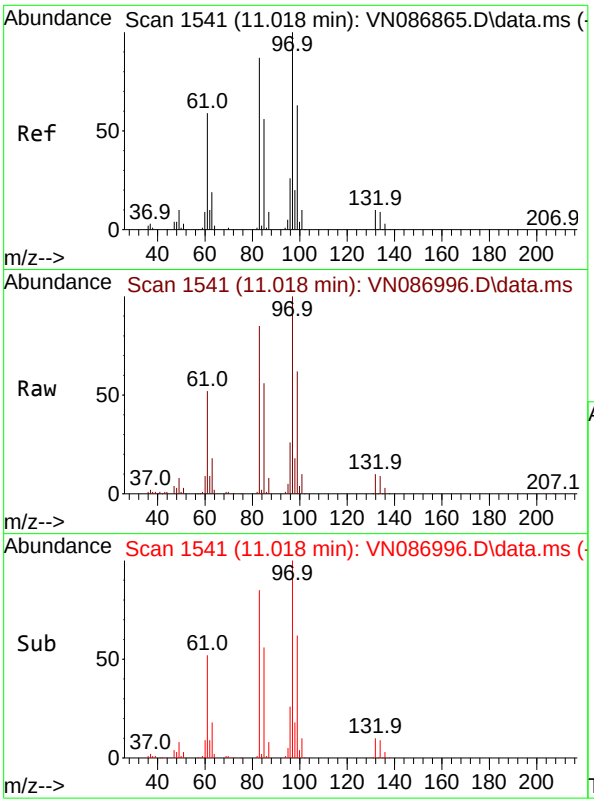


#54
cis-1,3-Dichloropropene
Concen: 55.726 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 75 Resp: 223518

Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.2	39.4
39	37.5	32.3	48.5



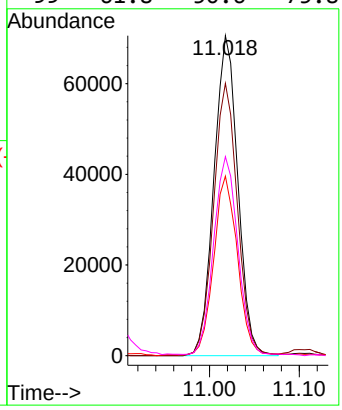


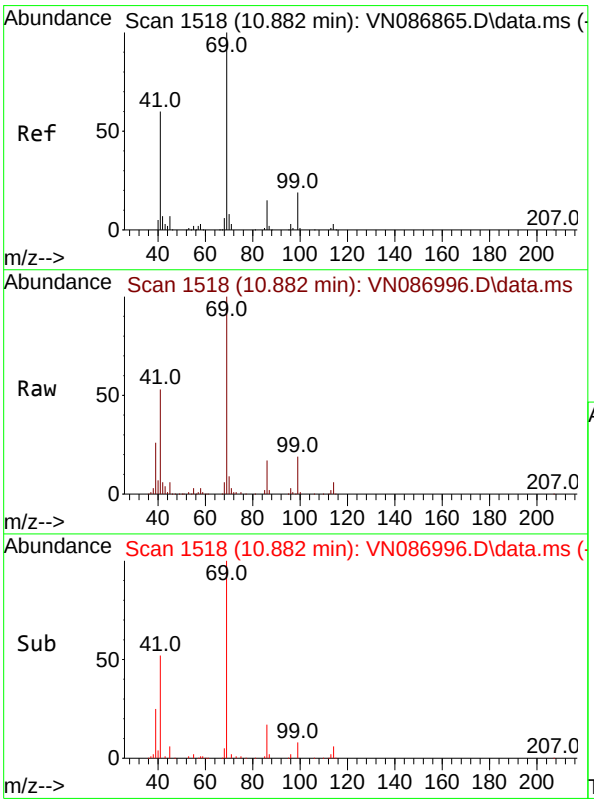
#55
1,1,2-Trichloroethane
Concen: 55.000 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 130409

Ion	Ratio	Lower	Upper
97	100		
83	85.1	69.7	104.5
85	55.8	45.1	67.7
99	61.8	50.6	75.8

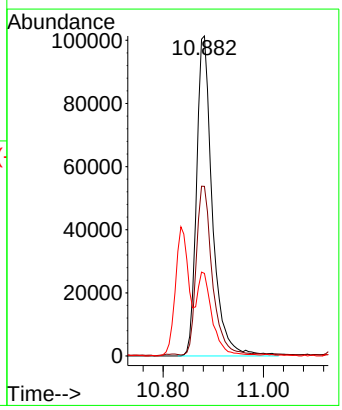


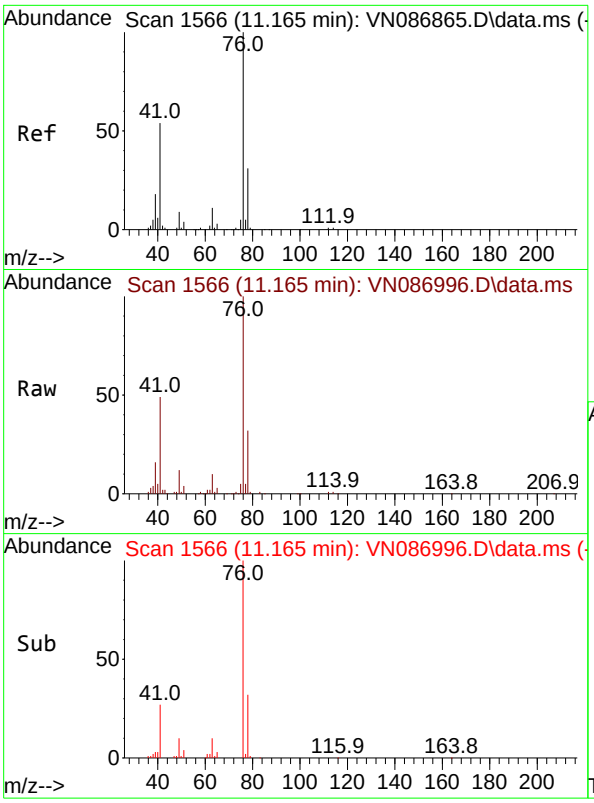


#56
Ethyl methacrylate
Concen: 58.775 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 69 Resp: 221967

Ion	Ratio	Lower	Upper
69	100		
41	53.8	47.2	70.8
39	25.2	23.0	34.6



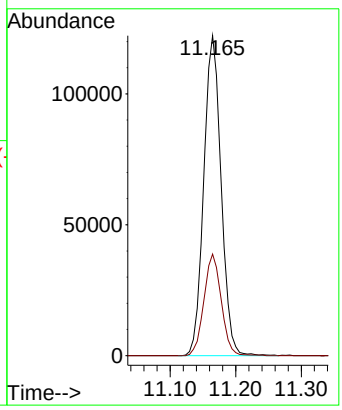


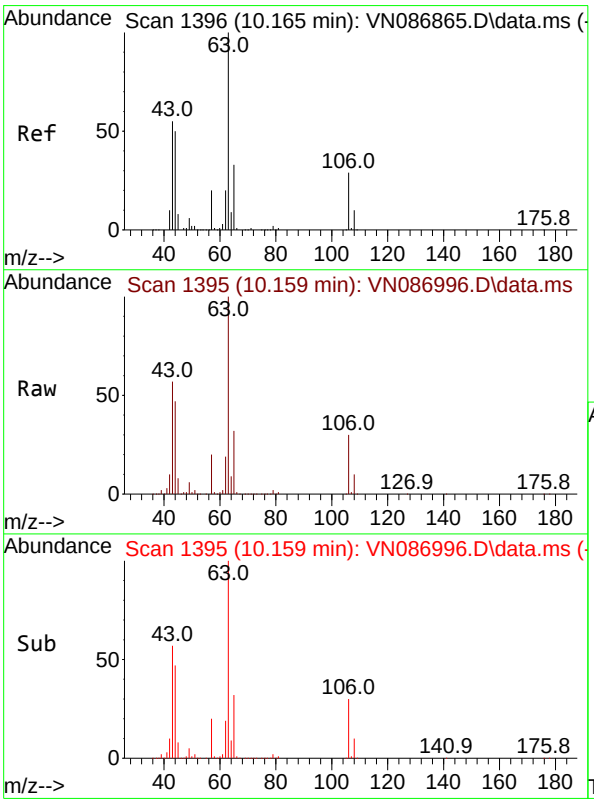
#57
1,3-Dichloropropane
Concen: 54.739 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 225149

Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.3	37.9

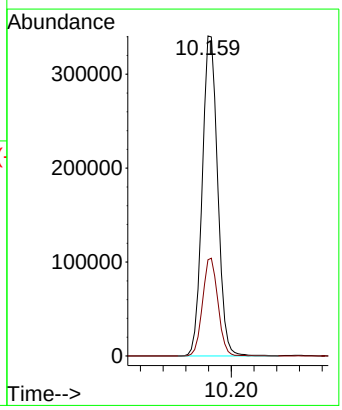


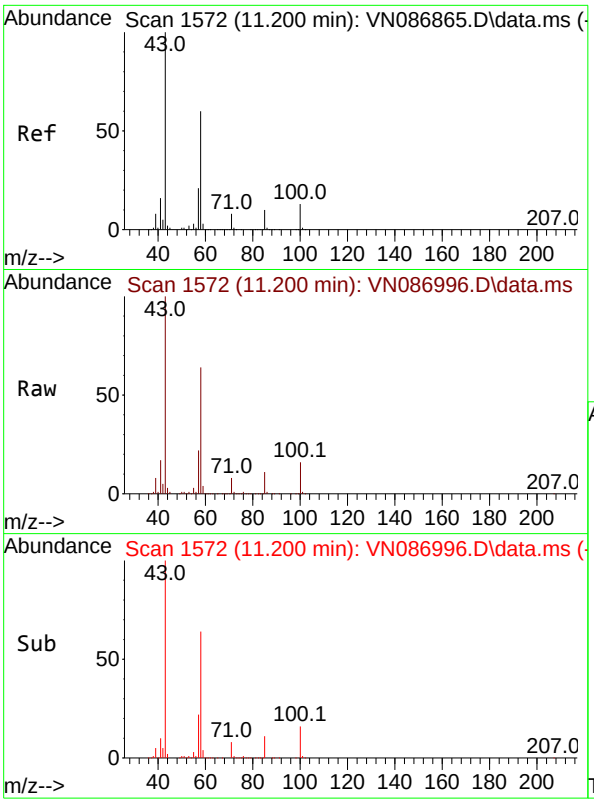


#58
2-Chloroethyl Vinyl ether
Concen: 284.484 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 63 Resp: 640810

Ion	Ratio	Lower	Upper
63	100		
106	30.5	23.0	34.6



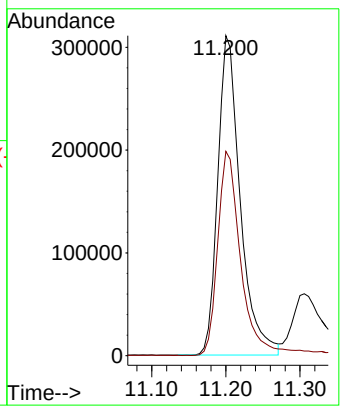


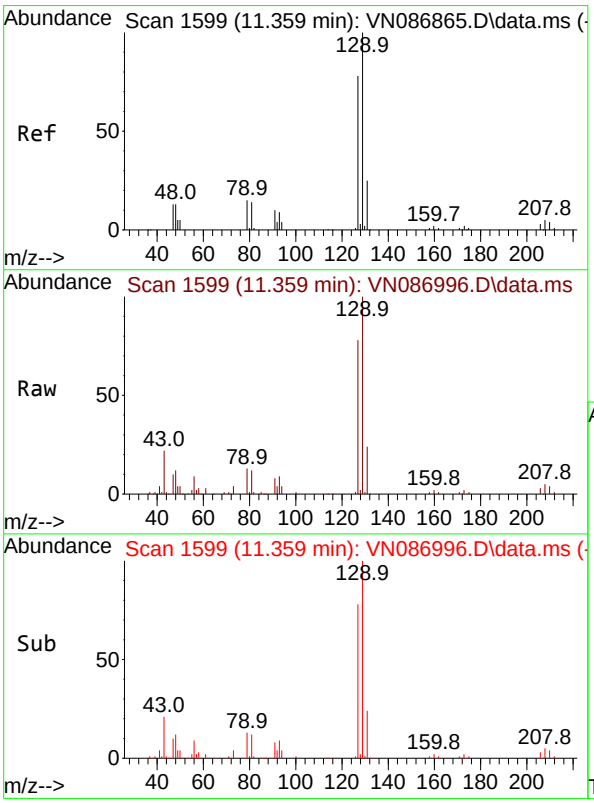
#59
2-Hexanone
Concen: 268.212 ug/l
RT: 11.200 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 655260

Ion	Ratio	Lower	Upper
43	100		
58	67.5	30.4	91.3

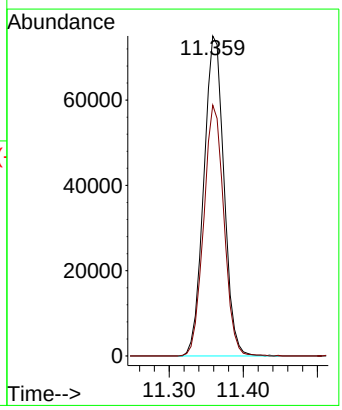


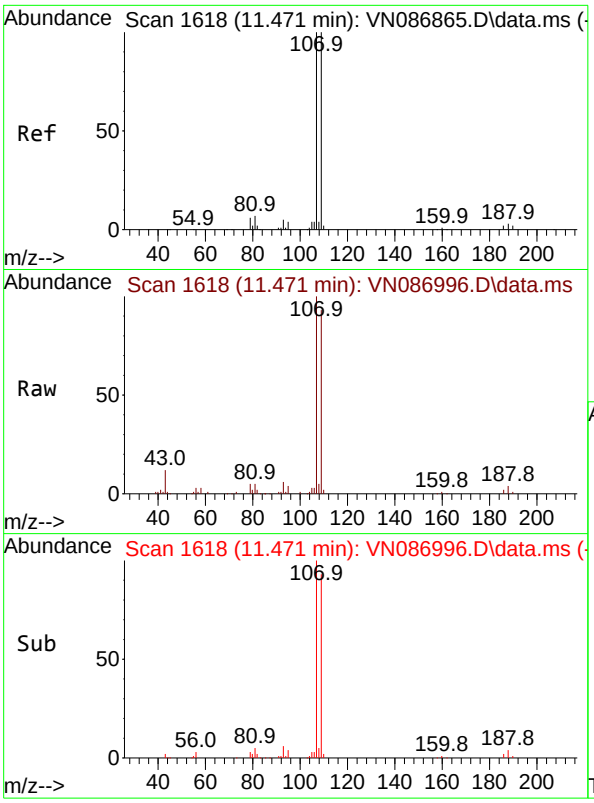


#60
Dibromochloromethane
Concen: 57.298 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:129 Resp: 141550

Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.6	115.8



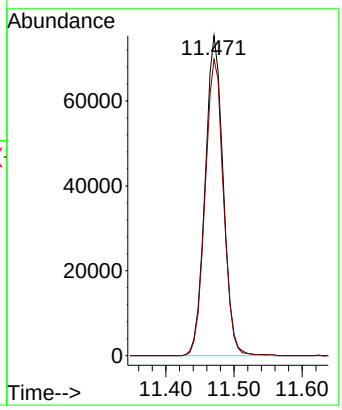


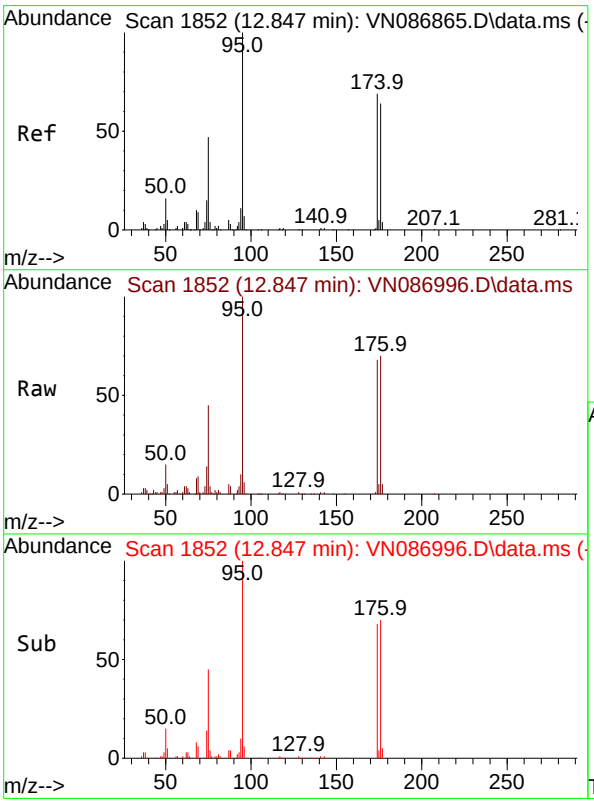
#61
1,2-Dibromoethane
Concen: 57.138 ug/l
RT: 11.471 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 138863

Ion	Ratio	Lower	Upper
107	100		
109	94.1	76.3	114.5

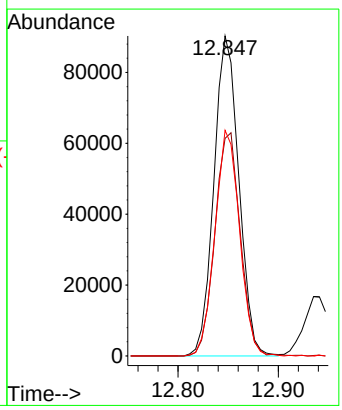


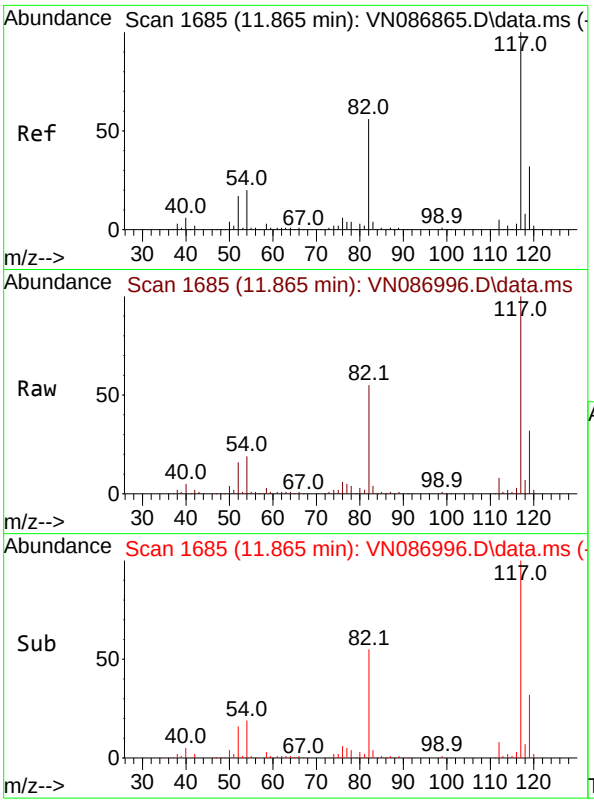


#62
4-Bromofluorobenzene
Concen: 51.180 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 95 Resp: 155769

Ion	Ratio	Lower	Upper
95	100		
174	71.2	0.0	141.8
176	69.9	0.0	132.6



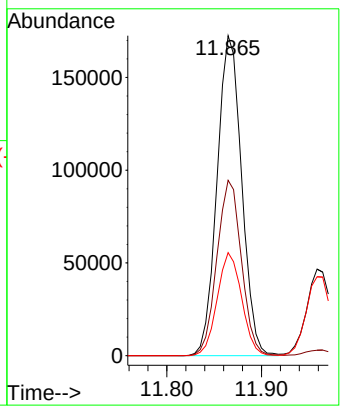


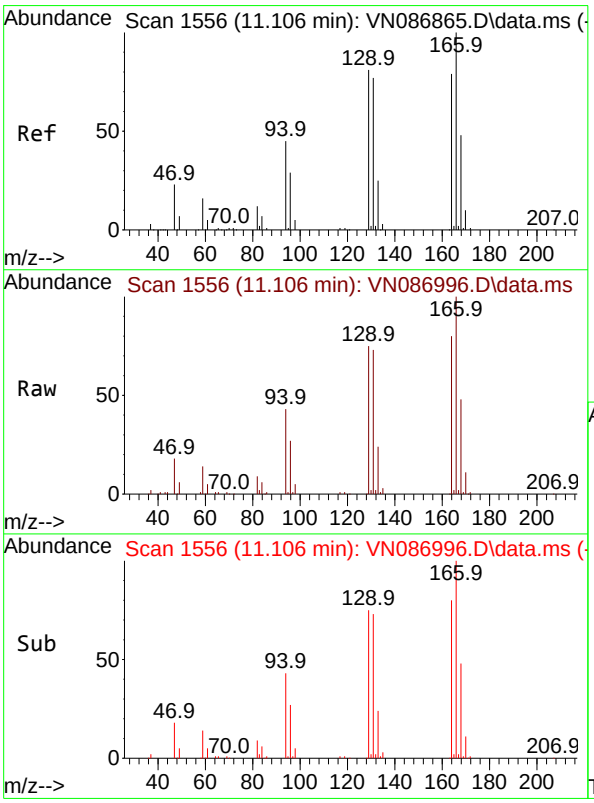
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 311622

Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.6	67.0
119	32.2	25.5	38.3

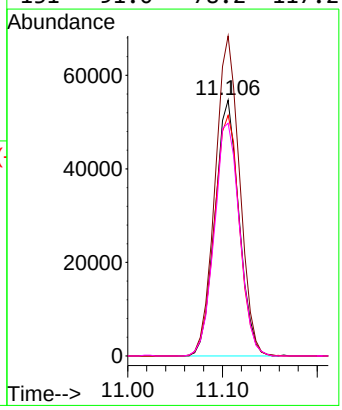


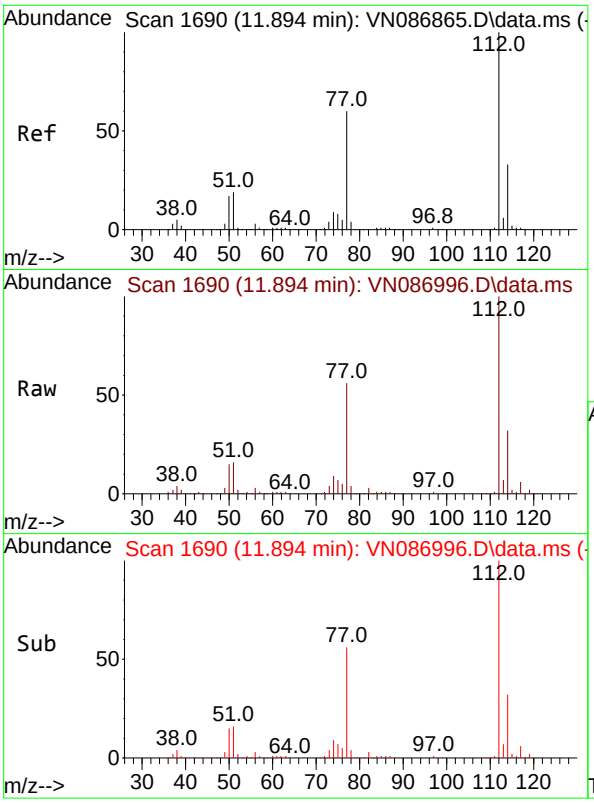


#64
Tetrachloroethene
Concen: 49.232 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:164 Resp: 97092

Ion	Ratio	Lower	Upper
164	100		
166	125.1	101.8	152.8
129	94.0	83.0	124.4
131	91.0	78.2	117.2



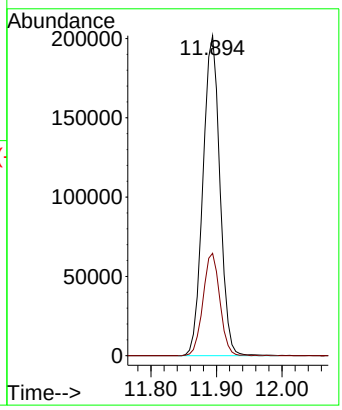


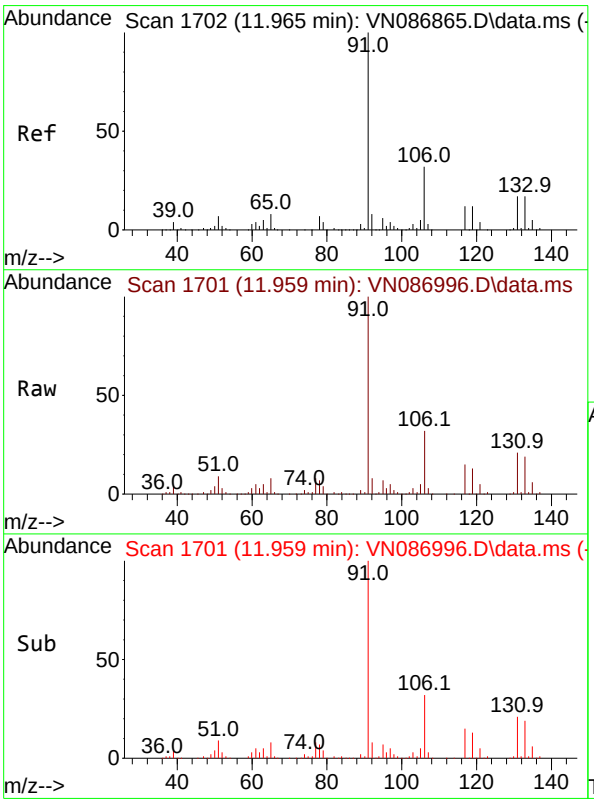
#65
Chlorobenzene
Concen: 52.832 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 363108

Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.2	39.2

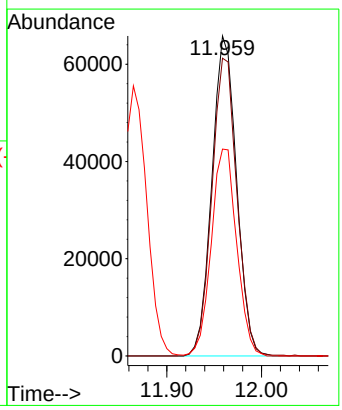


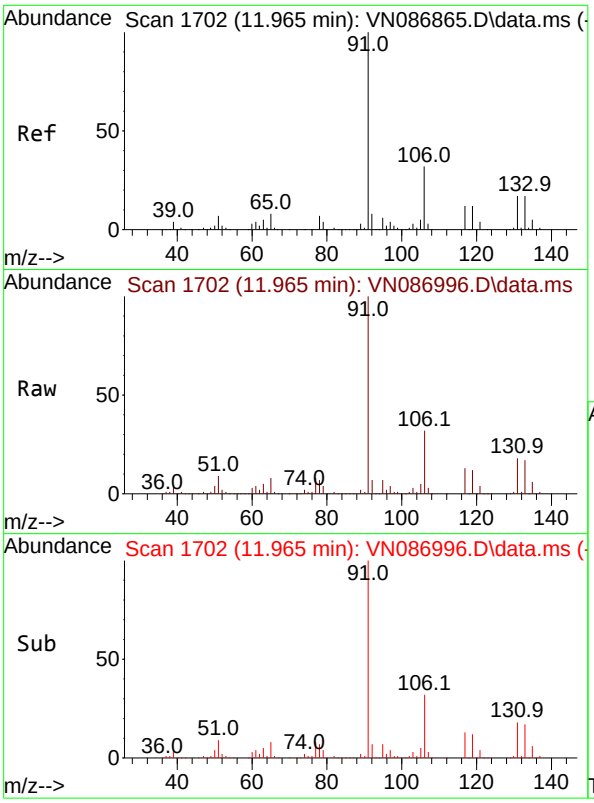


#66
1,1,1,2-Tetrachloroethane
Concen: 53.761 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:131 Resp: 118773

Ion	Ratio	Lower	Upper
131	100		
133	95.1	48.3	144.8
119	66.9	34.0	101.8



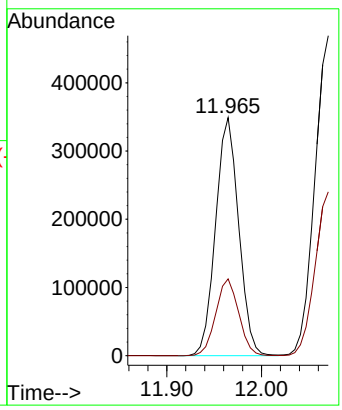


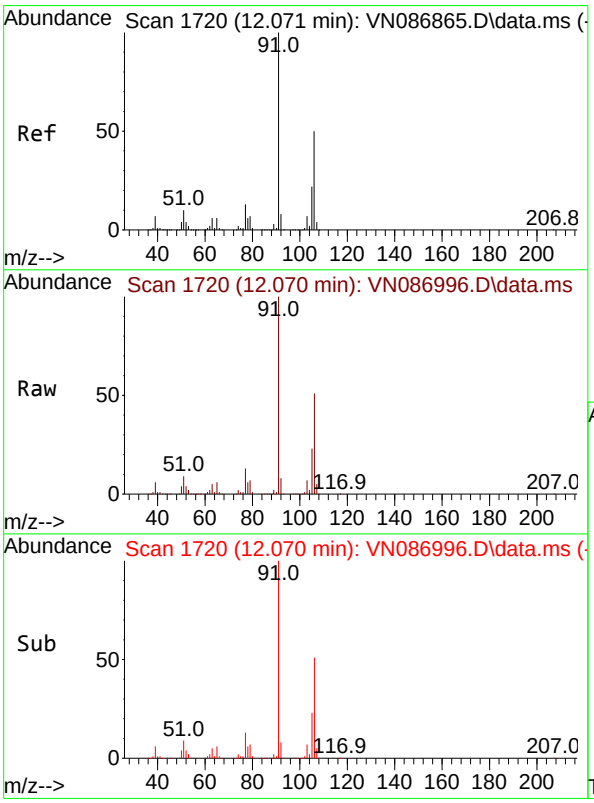
#67
Ethyl Benzene
Concen: 49.965 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 591507

Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.4	38.2

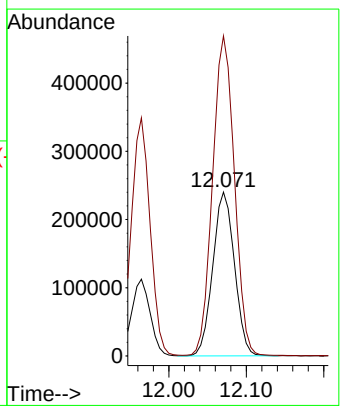


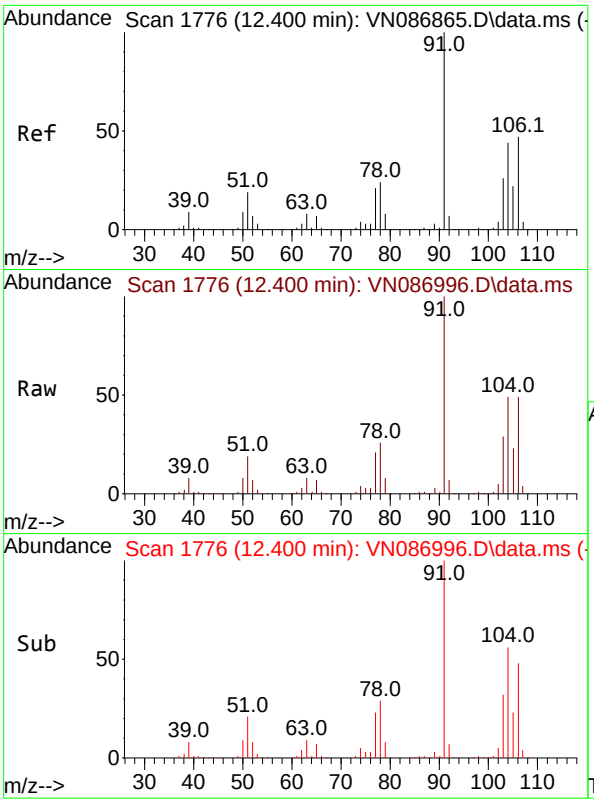


#68
m/p-Xylenes
Concen: 102.831 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:106 Resp: 466007

Ion	Ratio	Lower	Upper
106	100		
91	197.4	159.4	239.0



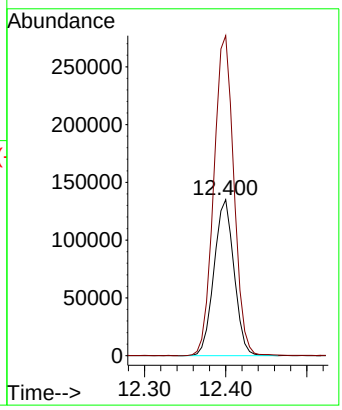


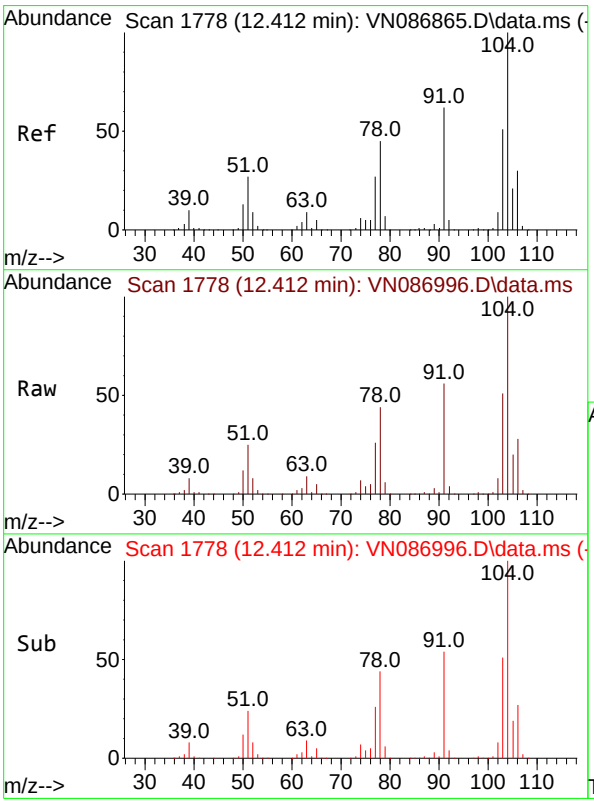
#69
o-Xylene
Concen: 53.373 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 231655

Ion	Ratio	Lower	Upper
106	100		
91	206.2	106.1	318.1

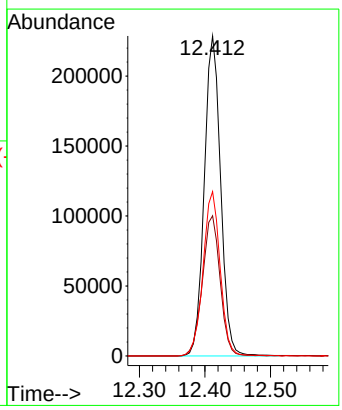


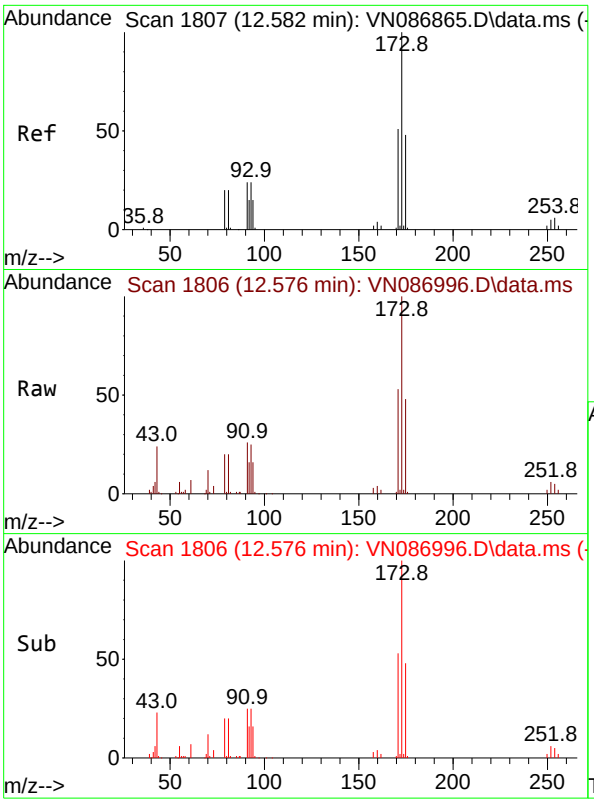


#70
Styrene
Concen: 53.555 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:104 Resp: 397750

Ion	Ratio	Lower	Upper
104	100		
78	47.3	38.5	57.7
103	53.7	43.1	64.7



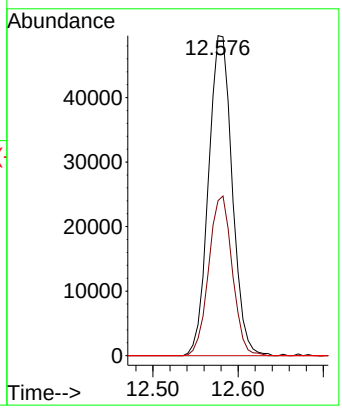


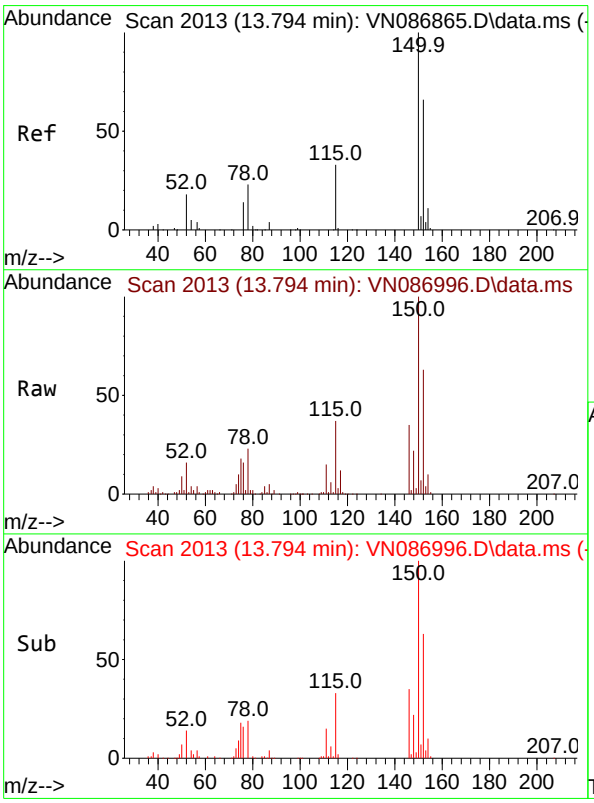
#71
Bromoform
Concen: 58.496 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 95755

Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.1	72.4
254	0.0	0.0	0.0

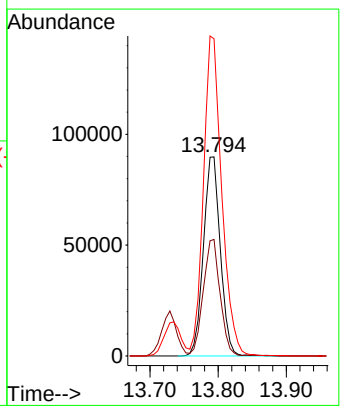


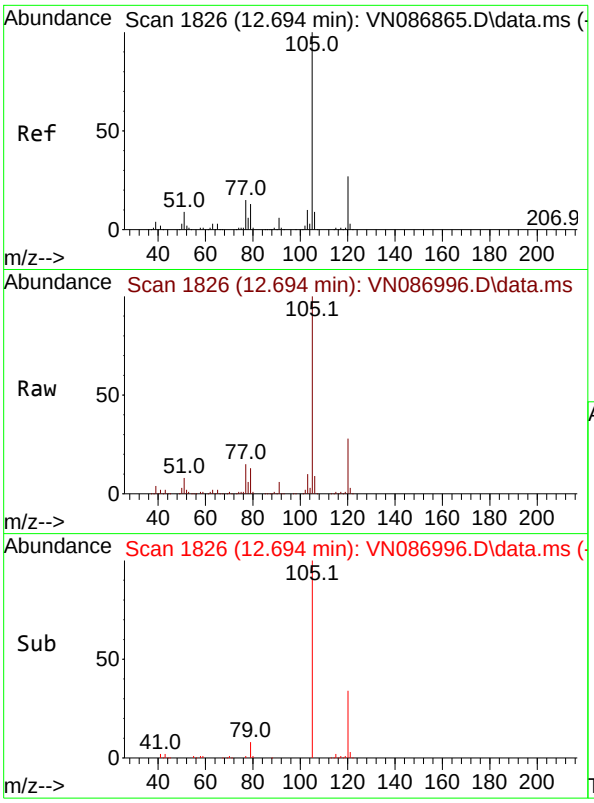


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:152 Resp: 154974

Ion	Ratio	Lower	Upper
152	100		
115	57.6	30.1	90.5
150	173.0	0.0	345.0



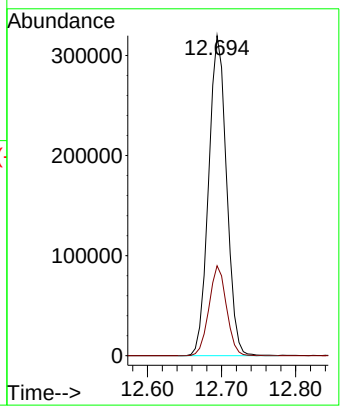


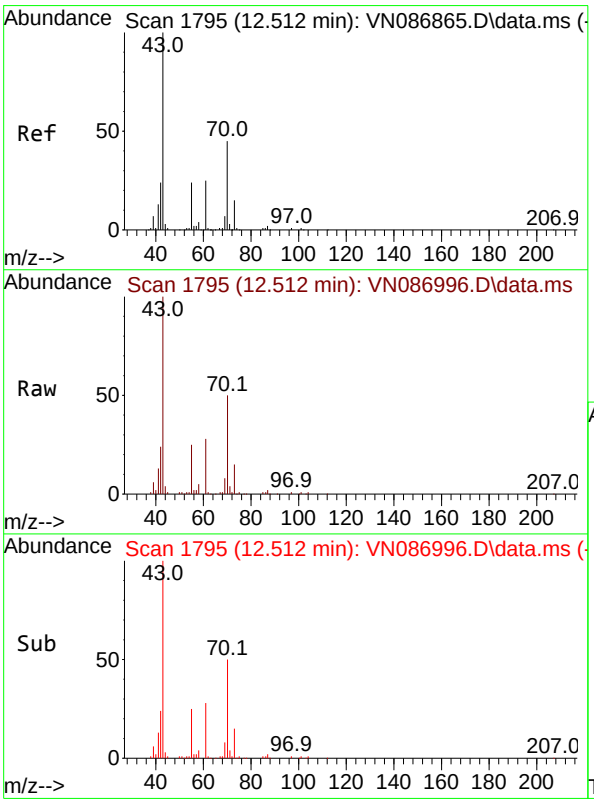
#73
Isopropylbenzene
Concen: 47.619 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 537619

Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.5	40.4

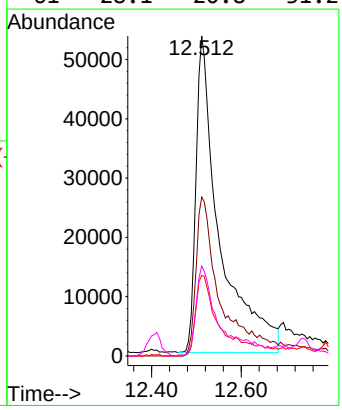


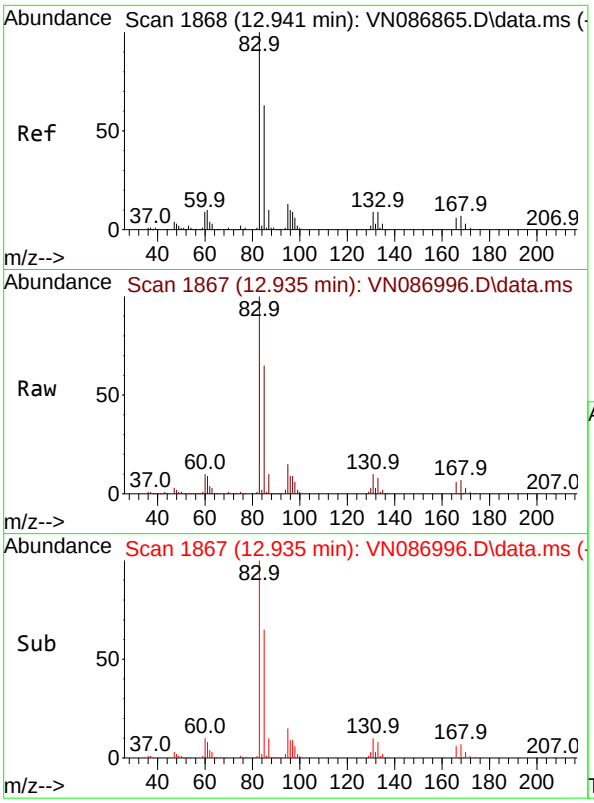


#74
N-amyl acetate
Concen: 49.308 ug/l
RT: 12.512 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 43 Resp: 194530

Ion	Ratio	Lower	Upper
43	100		
70	53.4	37.6	56.4
55	26.6	19.0	28.6
61	28.1	20.8	31.2



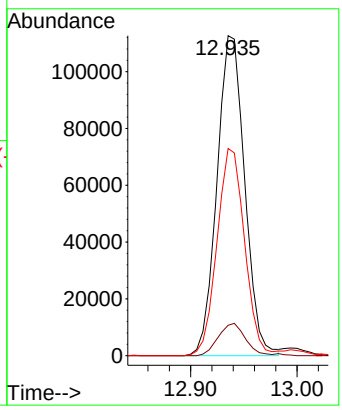


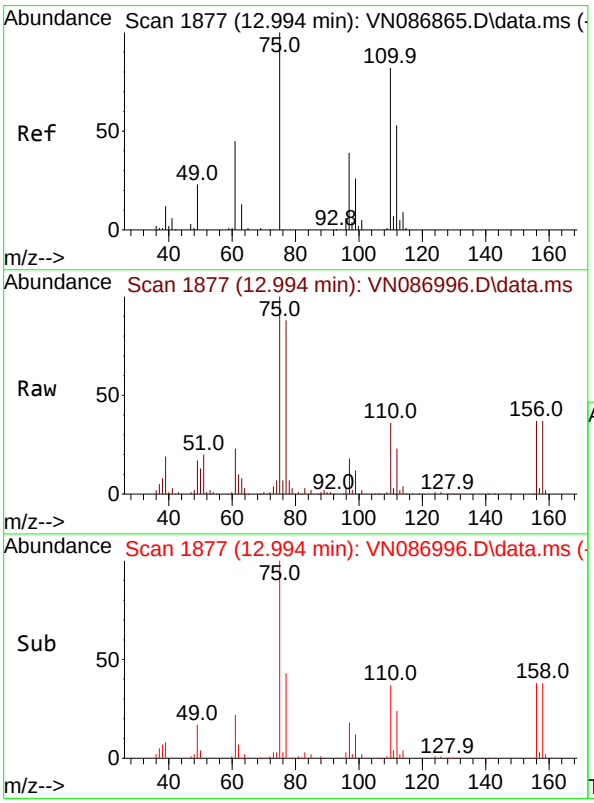
#75
1,1,2,2-Tetrachloroethane
Concen: 53.321 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 203942

Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	64.1	32.0	96.0

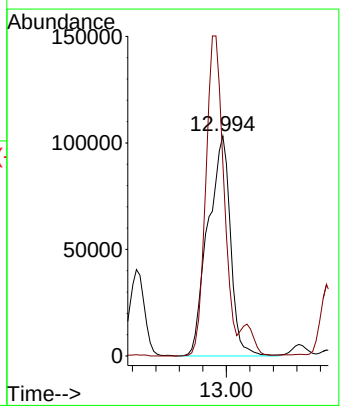


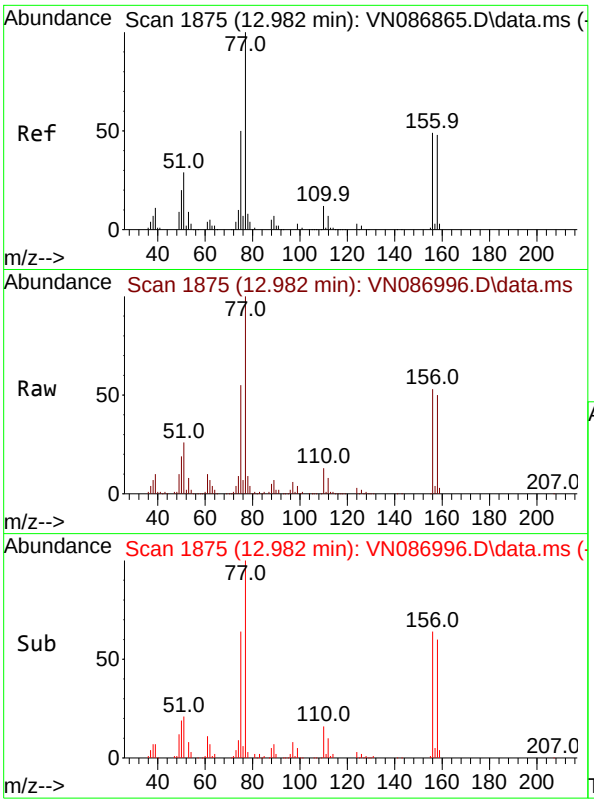


#76
1,2,3-Trichloropropane
Concen: 74.588 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 75 Resp: 274766

Ion	Ratio	Lower	Upper
75	100		
77	115.7	79.3	237.9



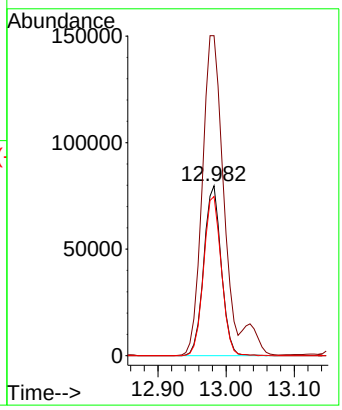


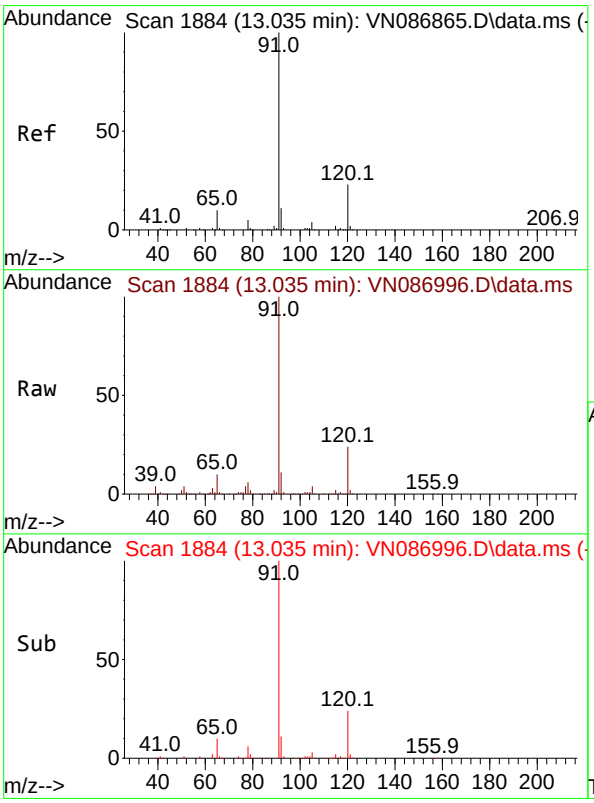
#77
Bromobenzene
Concen: 54.712 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 141660

Ion	Ratio	Lower	Upper
156	100		
77	224.5	117.7	353.1
158	95.4	48.1	144.4

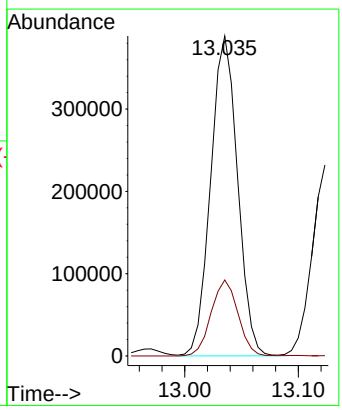


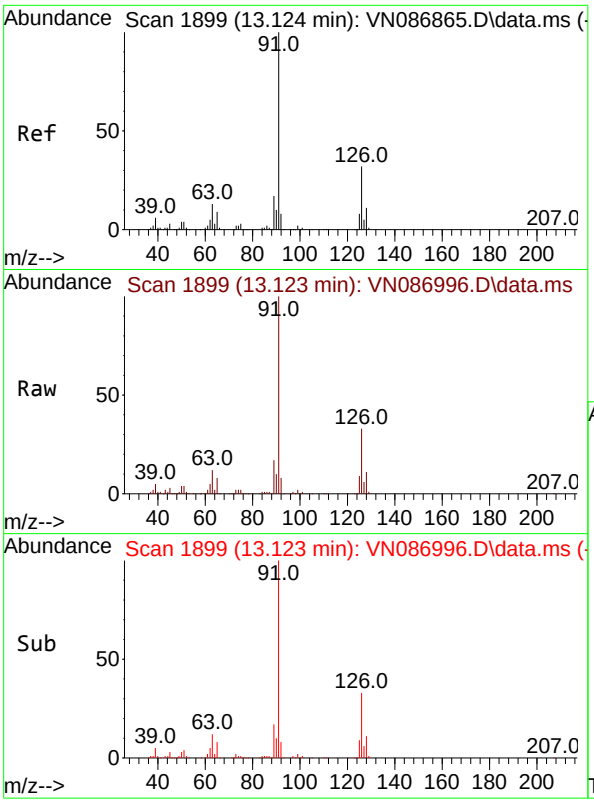


#78
n-propylbenzene
Concen: 46.620 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 91 Resp: 639643

Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.4	34.2



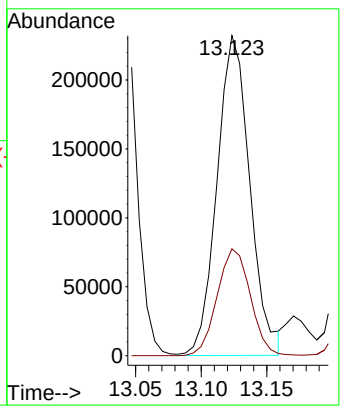


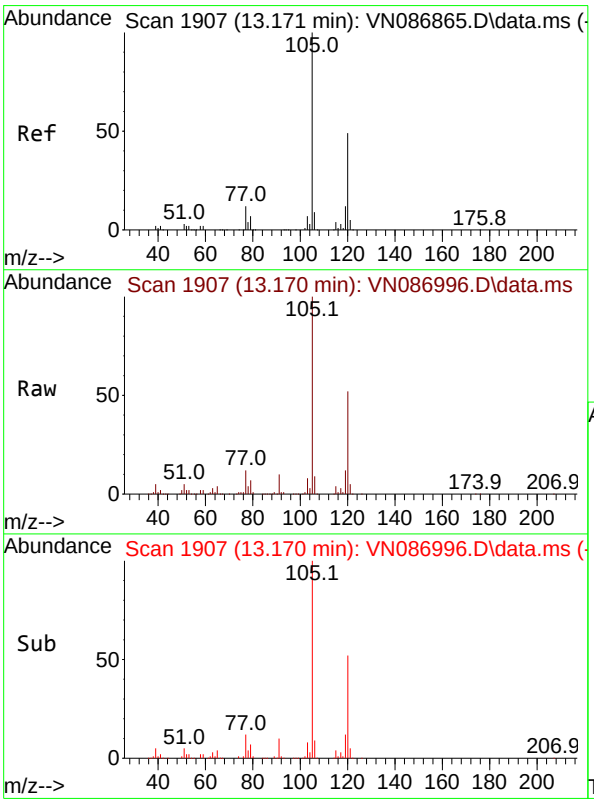
#79
2-Chlorotoluene
Concen: 49.126 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 404220

Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.2	48.5

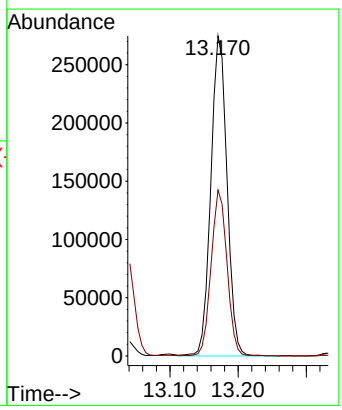


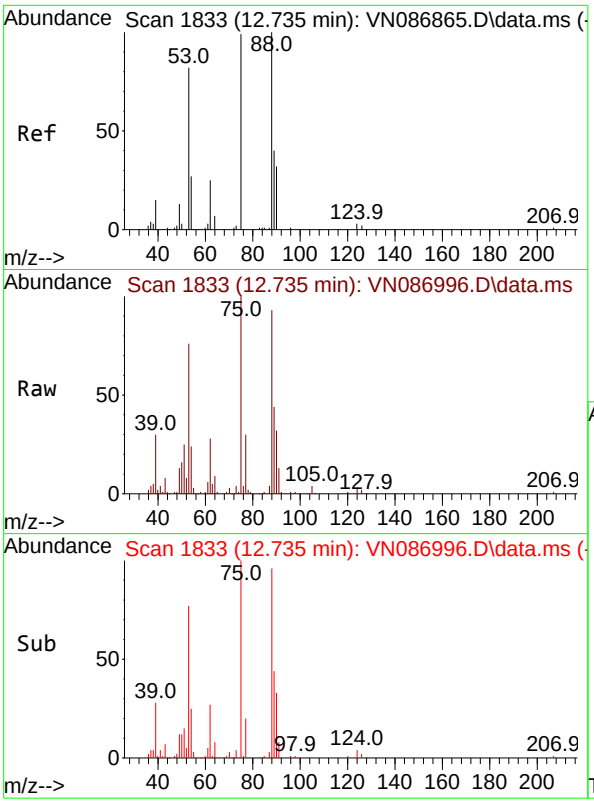


#80
1,3,5-Trimethylbenzene
Concen: 48.717 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:105 Resp: 454100

Ion	Ratio	Lower	Upper
105	100		
120	51.0	24.9	74.6



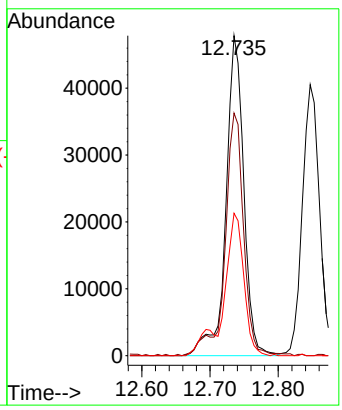


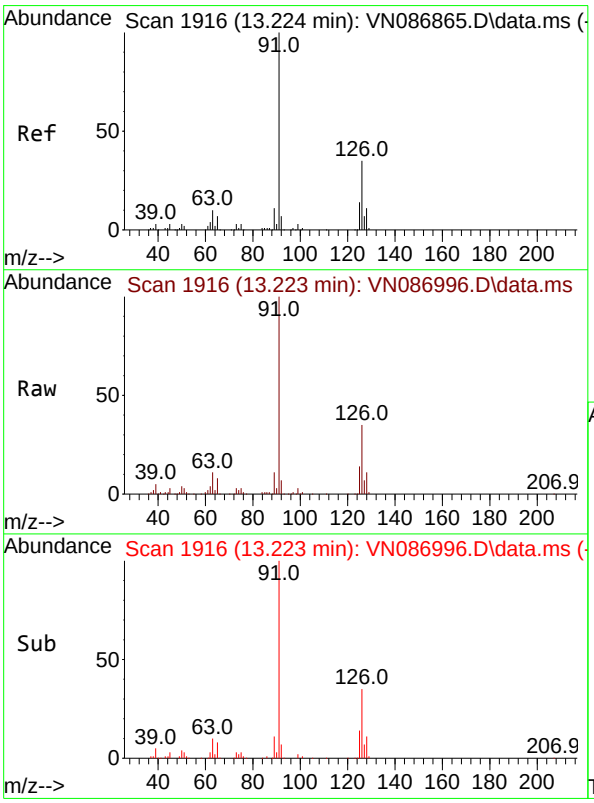
#81
trans-1,4-Dichloro-2-butene
Concen: 54.616 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 87402

Ion	Ratio	Lower	Upper
75	100		
53	79.0	66.6	99.8
89	41.8	36.7	55.1

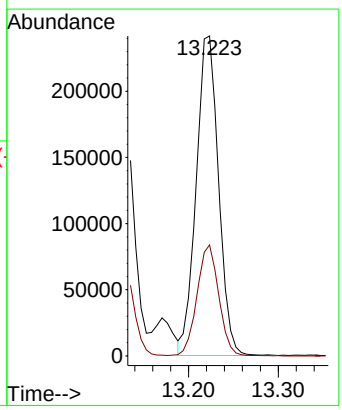


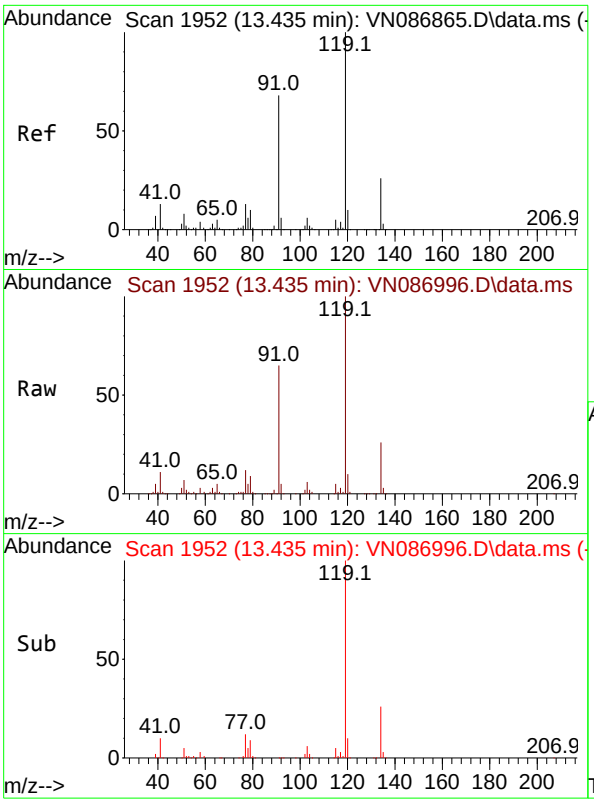


#82
4-Chlorotoluene
Concen: 50.200 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 91 Resp: 417942

Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.7	50.1



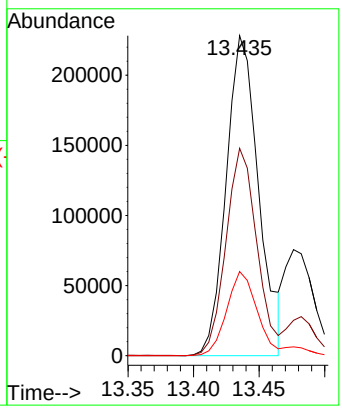


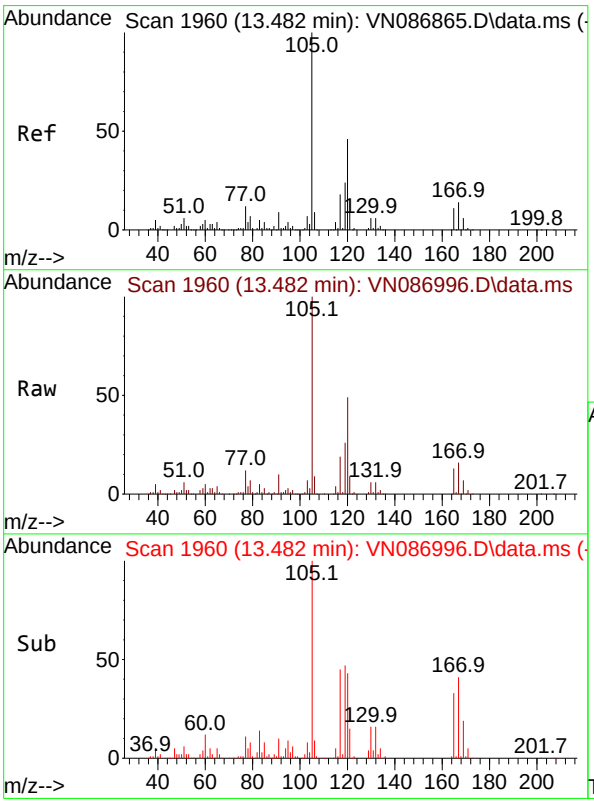
#83
tert-Butylbenzene
Concen: 46.017 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 392634

Ion	Ratio	Lower	Upper
119	100		
91	61.9	32.1	96.5
134	26.6	13.4	40.1

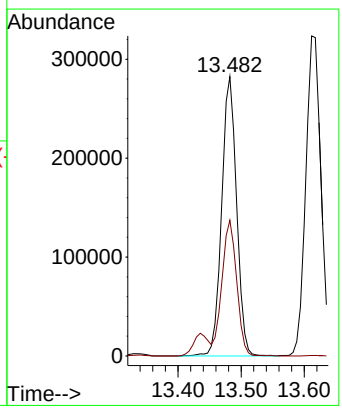


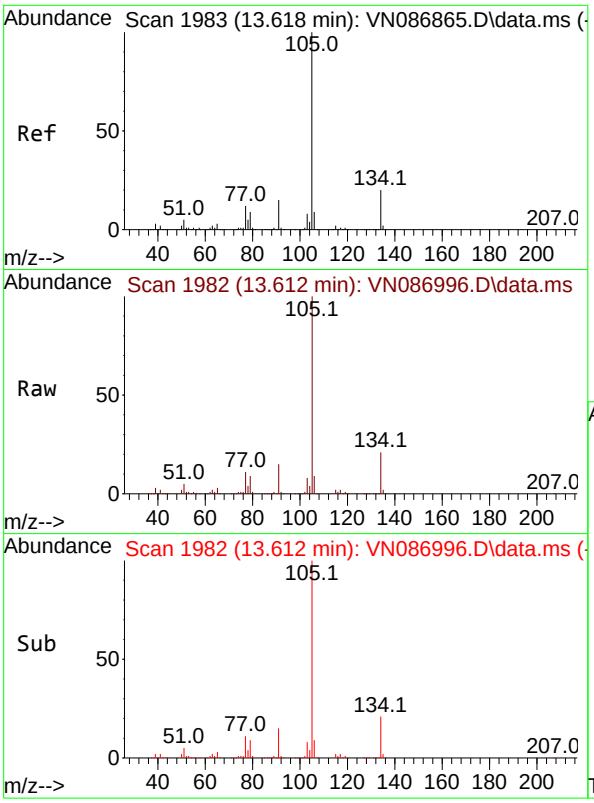


#84
1,2,4-Trimethylbenzene
Concen: 49.602 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:105 Resp: 463629

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.2	69.6



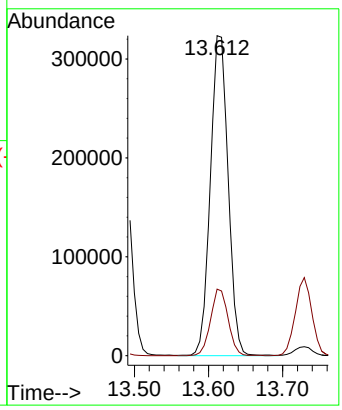


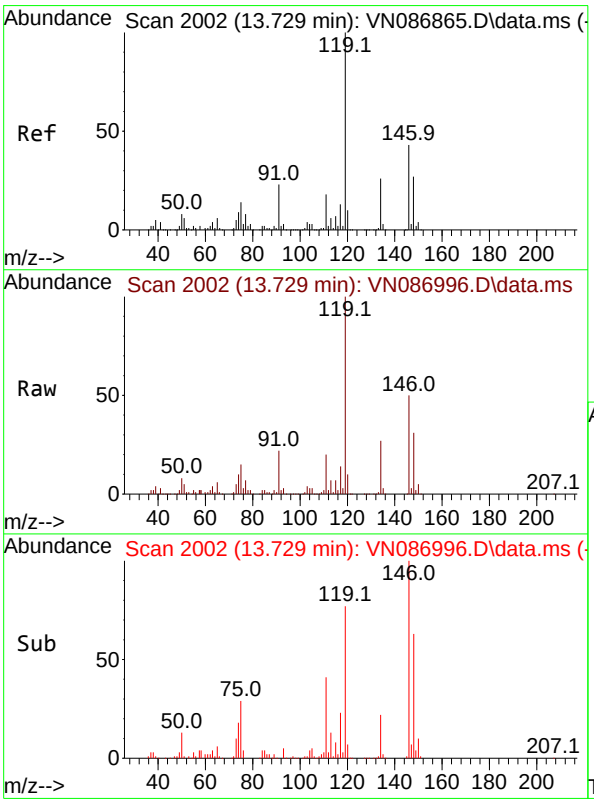
#85
sec-Butylbenzene
Concen: 43.606 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 540317

Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.0	30.0

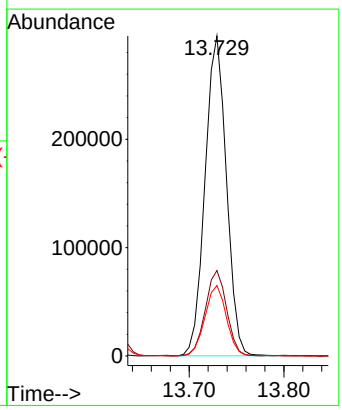


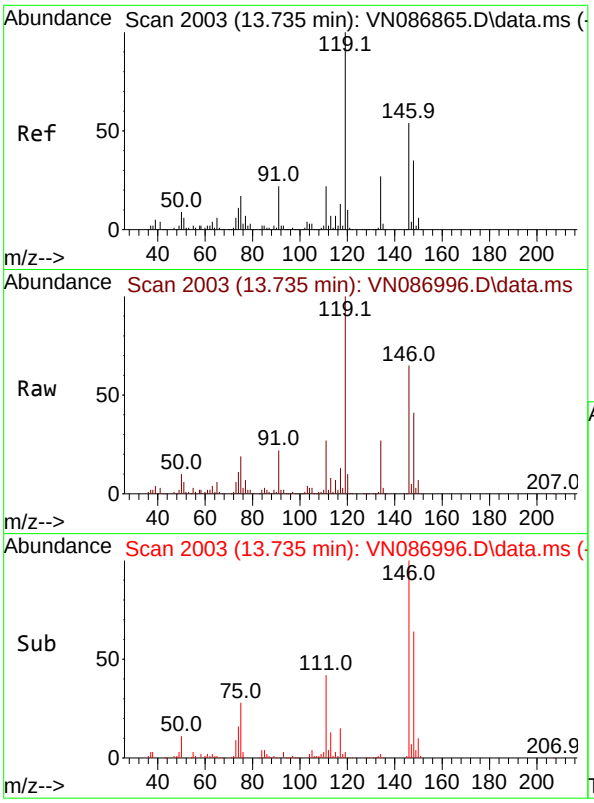


#86
p-Isopropyltoluene
Concen: 45.127 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:119 Resp: 462226

Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.5	40.4
91	22.4	11.5	34.4



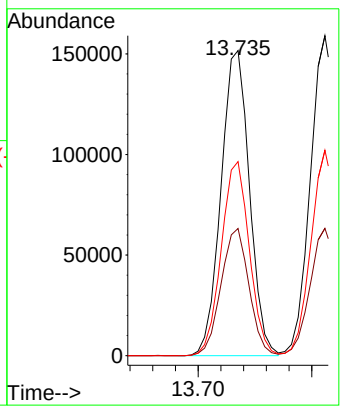


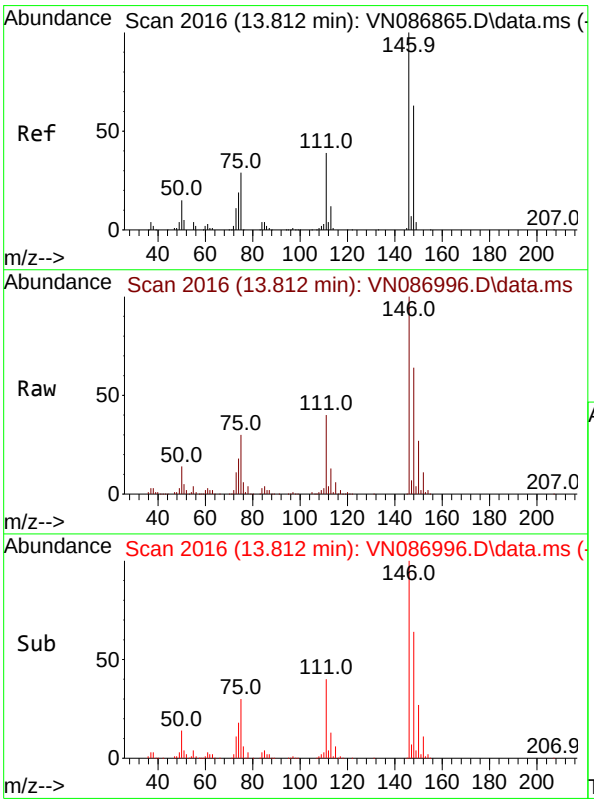
#87
1,3-Dichlorobenzene
Concen: 51.771 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 263729

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.9	62.8
148	62.8	32.0	96.2

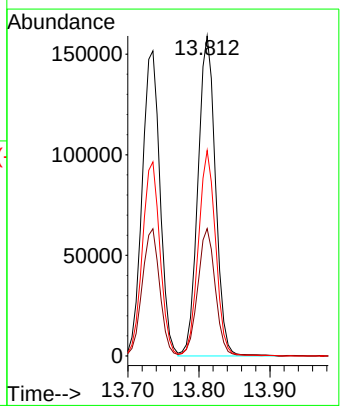


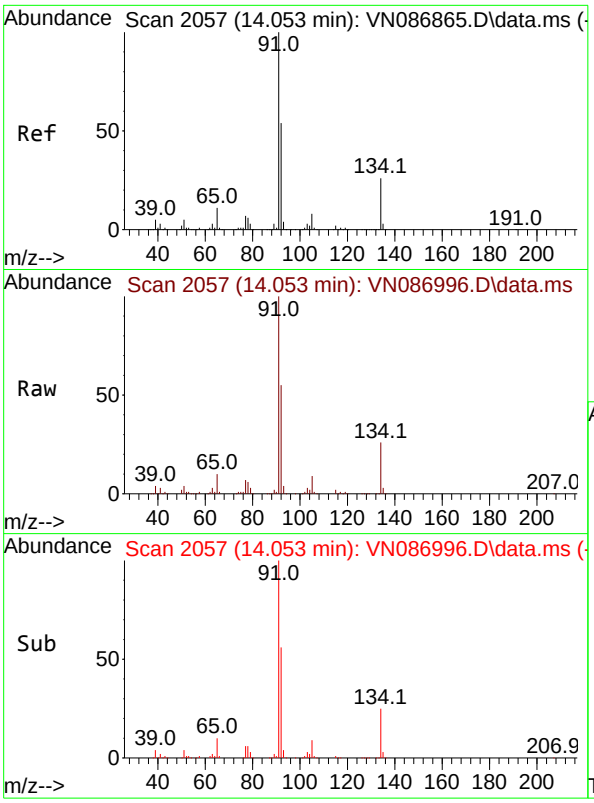


#88
1,4-Dichlorobenzene
Concen: 52.583 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:146 Resp: 273095

Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.9	59.7
148	62.8	31.8	95.4



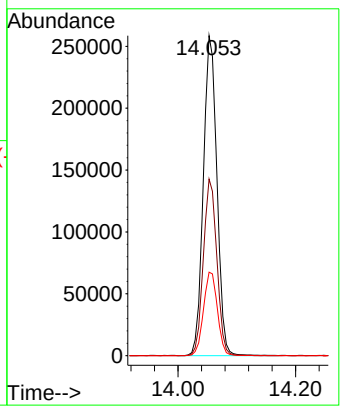


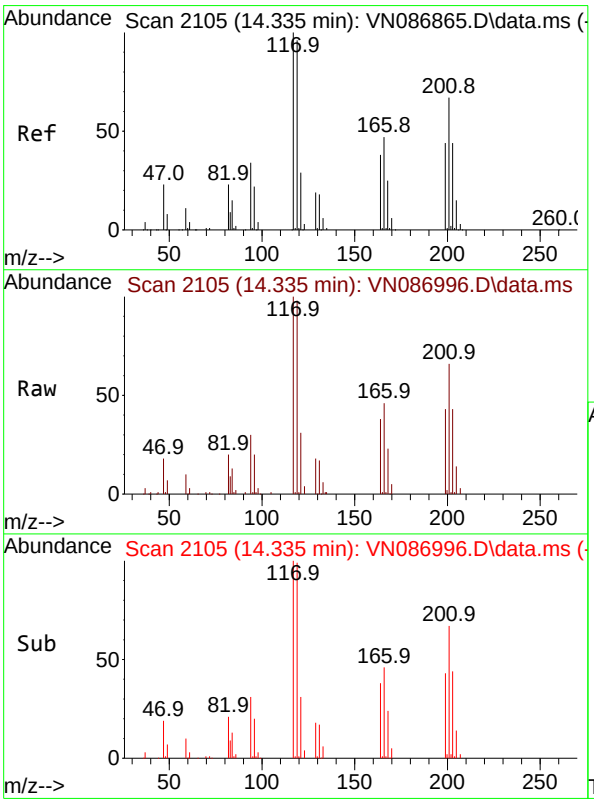
#89
n-Butylbenzene
Concen: 41.707 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 413779

Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.5	82.4
134	26.7	13.0	39.0

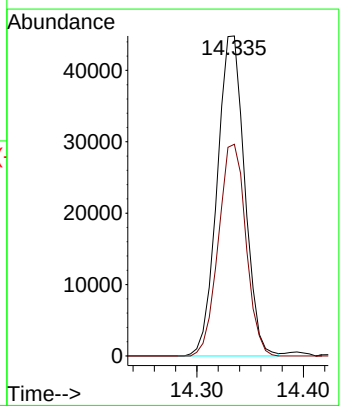


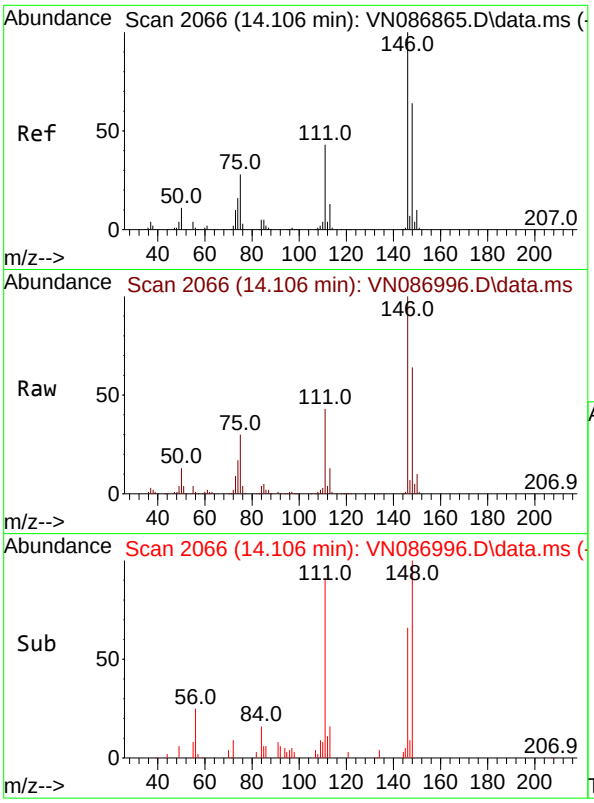


#90
Hexachloroethane
Concen: 46.217 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:117 Resp: 80241

Ion	Ratio	Lower	Upper
117	100		
201	66.2	33.2	99.6



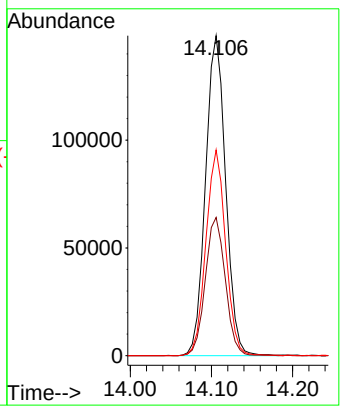


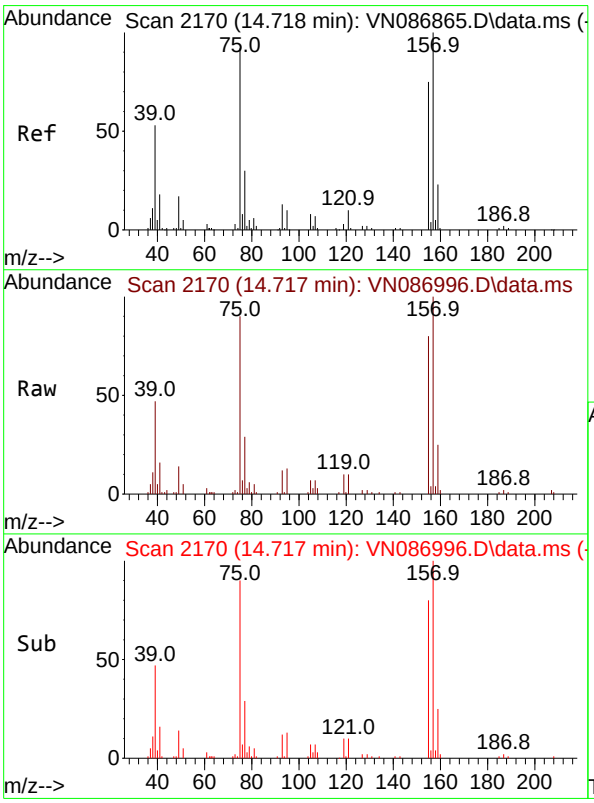
#91
1,2-Dichlorobenzene
Concen: 52.145 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 255209

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	64.6
148	63.1	31.7	95.1

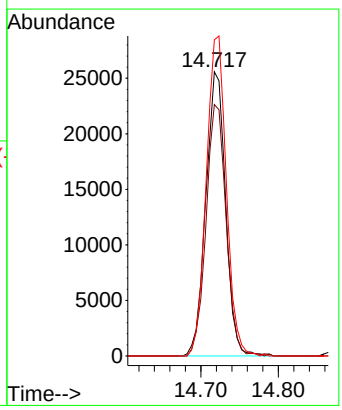


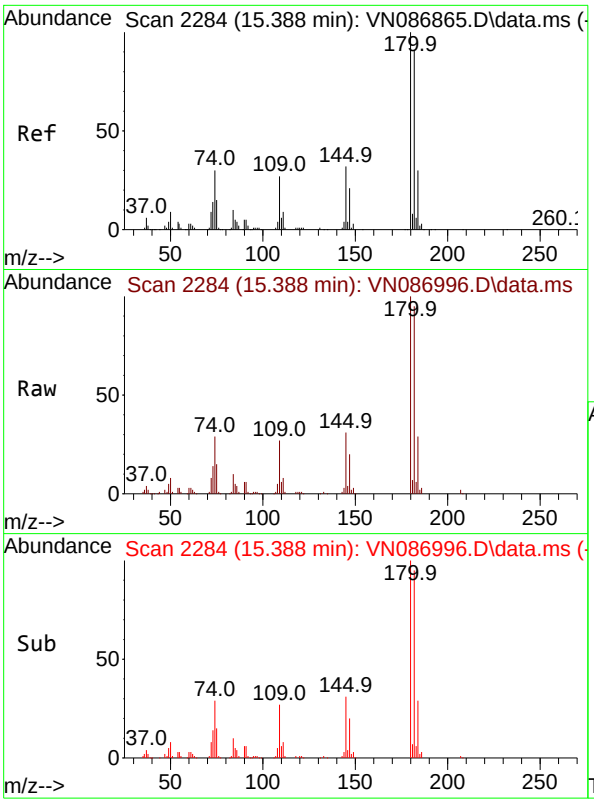


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.620 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion: 75 Resp: 45388

Ion	Ratio	Lower	Upper
75	100		
155	89.4	41.1	123.4
157	114.0	52.7	158.1



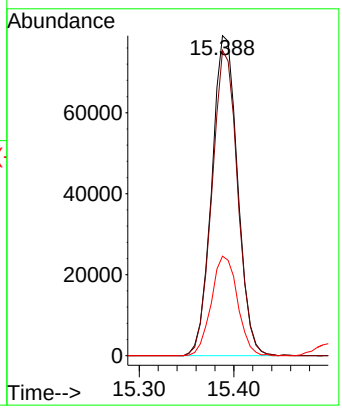


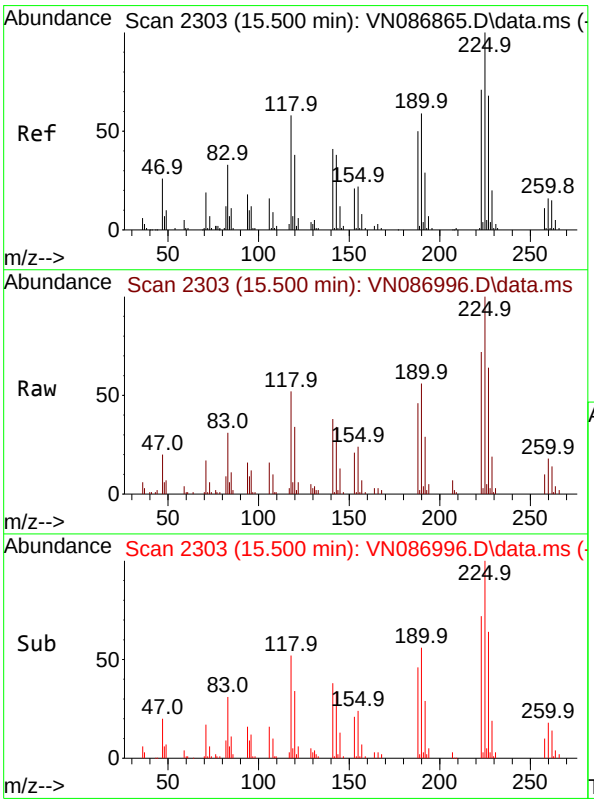
#93
1,2,4-Trichlorobenzene
Concen: 47.834 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 149493

Ion	Ratio	Lower	Upper
180	100		
182	94.7	46.9	140.7
145	31.5	16.0	47.9

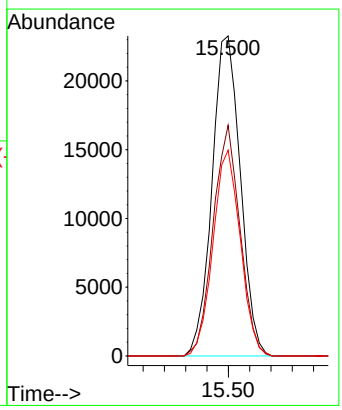


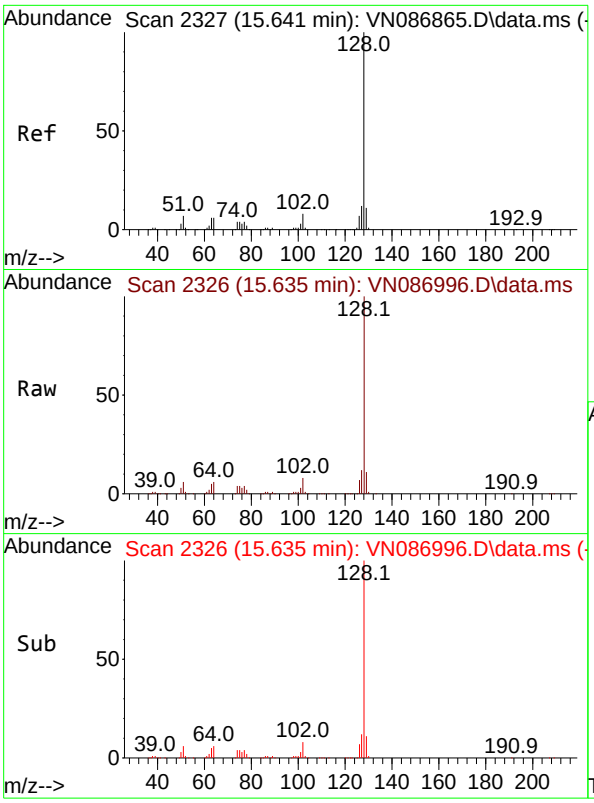


#94
Hexachlorobutadiene
Concen: 36.917 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:225 Resp: 42985

Ion	Ratio	Lower	Upper
225	100		
223	68.2	33.5	100.4
227	62.0	31.1	93.5



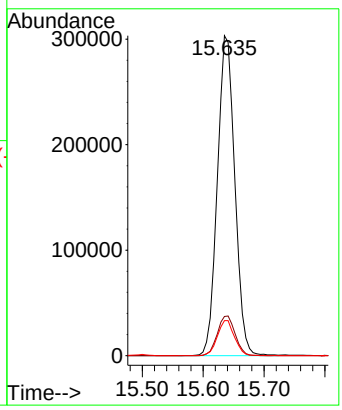


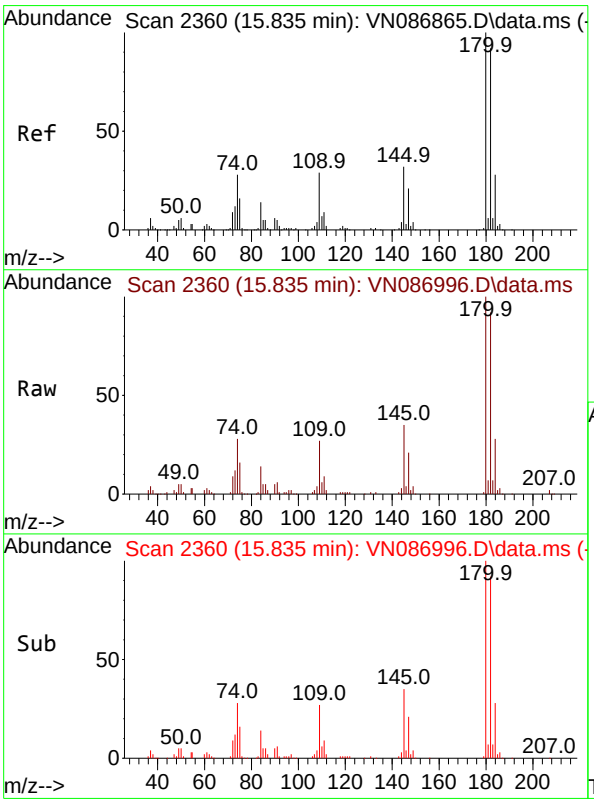
#95
Naphthalene
Concen: 51.949 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 604305

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.8	8.8	13.2

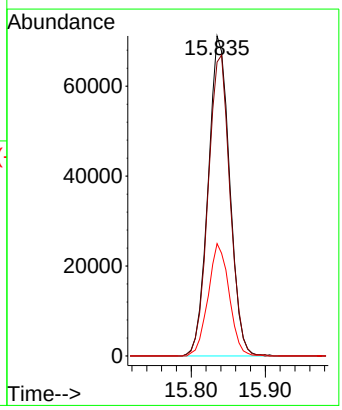




#96
1,2,3-Trichlorobenzene
Concen: 46.049 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086996.D
Acq: 13 Jun 2025 12:52

Tgt Ion:180 Resp: 142985

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.0	141.0
145	34.4	16.6	49.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087000.D
Acq On : 13 Jun 2025 14:32
Operator : JC\MD
Sample : VN0613WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Quant Time: Jun 14 00:27:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	193820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	342767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	297937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	150656	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	120719	46.519	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.040%			
35) Dibromofluoromethane	8.177	113	104273	51.333	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.660%			
50) Toluene-d8	10.571	98	390057	48.506	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.020%			
62) 4-Bromofluorobenzene	12.847	95	148021	49.545	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	41501	21.475	ug/l	97
3) Chloromethane	2.401	50	46368	18.581	ug/l	100
4) Vinyl Chloride	2.553	62	57688	22.410	ug/l	97
5) Bromomethane	3.000	94	26677	18.519	ug/l	99
6) Chloroethane	3.159	64	36269	21.812	ug/l	97
7) Trichlorofluoromethane	3.530	101	72691	21.613	ug/l	97
8) Diethyl Ether	3.983	74	30759	20.990	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.400	101	44545	21.081	ug/l	98
10) Methyl Iodide	4.618	142	23587	8.611	ug/l	98
11) Tert butyl alcohol	5.541	59	64325	91.353	ug/l	100
12) 1,1-Dichloroethene	4.365	96	47822	22.168	ug/l	89
13) Acrolein	4.200	56	35766	160.469	ug/l	100
14) Allyl chloride	5.047	41	68500	19.146	ug/l	97
15) Acrylonitrile	5.741	53	161726	98.265	ug/l	99
16) Acetone	4.447	43	119345	86.723	ug/l	94
17) Carbon Disulfide	4.742	76	139889	23.443	ug/l	99
18) Methyl Acetate	5.047	43	64994	16.206	ug/l	98
19) Methyl tert-butyl Ether	5.818	73	157327	20.142	ug/l	98
20) Methylene Chloride	5.294	84	52509	20.381	ug/l	96
21) trans-1,2-Dichloroethene	5.818	96	51262	21.358	ug/l	88
22) Diisopropyl ether	6.688	45	149851	19.870	ug/l	97
23) Vinyl Acetate	6.618	43	658350	103.323	ug/l	97
24) 1,1-Dichloroethane	6.588	63	89124	20.535	ug/l	98
25) 2-Butanone	7.494	43	204093	91.238	ug/l	96
26) 2,2-Dichloropropane	7.506	77	75997	22.511	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	61840	21.544	ug/l	96
28) Bromochloromethane	7.830	49	46335	21.714	ug/l	93
29) Tetrahydrofuran	7.853	42	136050	93.364	ug/l	95
30) Chloroform	7.977	83	88860	20.502	ug/l	99
31) Cyclohexane	8.265	56	83030	19.727	ug/l	97
32) 1,1,1-Trichloroethane	8.182	97	74968	20.337	ug/l	97
36) 1,1-Dichloropropene	8.382	75	66350	21.920	ug/l	100
37) Ethyl Acetate	7.571	43	76639	19.890	ug/l	98
38) Carbon Tetrachloride	8.371	117	63596	21.401	ug/l	98
39) Methylcyclohexane	9.606	83	79523	19.176	ug/l	96
40) Benzene	8.618	78	212565	21.476	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087000.D
Acq On : 13 Jun 2025 14:32
Operator : JC\MD
Sample : VN0613WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Quant Time: Jun 14 00:27:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	42730	19.746	ug/l		96
42) 1,2-Dichloroethane	8.677	62	63301	21.085	ug/l		98
43) Isopropyl Acetate	8.694	43	119151	19.266	ug/l		97
44) Trichloroethene	9.359	130	51301	21.858	ug/l		95
45) 1,2-Dichloropropane	9.629	63	50395	20.928	ug/l		100
46) Dibromomethane	9.712	93	35265	22.048	ug/l		99
47) Bromodichloromethane	9.894	83	70308	21.365	ug/l		96
48) Methyl methacrylate	9.682	41	54185	19.036	ug/l		96
49) 1,4-Dioxane	9.706	88	21540	415.962	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.447	43	369197	99.165	ug/l		99
52) Toluene	10.629	92	131650	21.764	ug/l		99
53) t-1,3-Dichloropropene	10.841	75	77555	21.076	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	83996	21.333	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	49569	21.297	ug/l		98
56) Ethyl methacrylate	10.882	69	77585	20.928	ug/l		95
57) 1,3-Dichloropropane	11.165	76	85360	21.141	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.165	63	209528	94.760	ug/l		98
59) 2-Hexanone	11.206	43	215181	89.728	ug/l		93
60) Dibromochloromethane	11.359	129	53055	21.878	ug/l		99
61) 1,2-Dibromoethane	11.470	107	51474	21.576	ug/l		100
64) Tetrachloroethene	11.106	164	41009	21.749	ug/l		96
65) Chlorobenzene	11.894	112	142528	21.690	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	47110	22.303	ug/l		97
67) Ethyl Benzene	11.965	91	241208	21.311	ug/l		98
68) m/p-Xylenes	12.070	106	190243	43.908	ug/l		98
69) o-Xylene	12.400	106	91163	21.969	ug/l		96
70) Styrene	12.412	104	153392	21.602	ug/l		100
71) Bromoform	12.582	173	35468	22.662	ug/l	#	99
73) Isopropylbenzene	12.694	105	223178	20.334	ug/l		100
74) N-amyl acetate	12.529	43	58468	15.245	ug/l	#	91
75) 1,1,2,2-Tetrachloroethane	12.935	83	78224	21.038	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	103974	29.034	ug/l		69
77) Bromobenzene	12.982	156	54231	21.546	ug/l		96
78) n-propylbenzene	13.035	91	266686	19.994	ug/l		99
79) 2-Chlorotoluene	13.123	91	165392	20.677	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	183973	20.303	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.741	75	30824	19.814	ug/l		93
82) 4-Chlorotoluene	13.217	91	169312	20.919	ug/l		99
83) tert-Butylbenzene	13.435	119	161431	19.462	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	186915	20.570	ug/l		99
85) sec-Butylbenzene	13.612	105	228099	18.936	ug/l		100
86) p-Isopropyltoluene	13.729	119	188601	18.941	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	104746	21.151	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	107411	21.274	ug/l		99
89) n-Butylbenzene	14.053	91	173997	18.041	ug/l		99
90) Hexachloroethane	14.329	117	33086	19.603	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	98273	20.655	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	17506	19.687	ug/l		99
93) 1,2,4-Trichlorobenzene	15.388	180	57950	19.074	ug/l		98
94) Hexachlorobutadiene	15.500	225	17458	15.423	ug/l		97
95) Naphthalene	15.635	128	222787	19.701	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	55693	18.450	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087000.D
Acq On : 13 Jun 2025 14:32
Operator : JC\MD
Sample : VN0613WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Quant Time: Jun 14 00:27:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

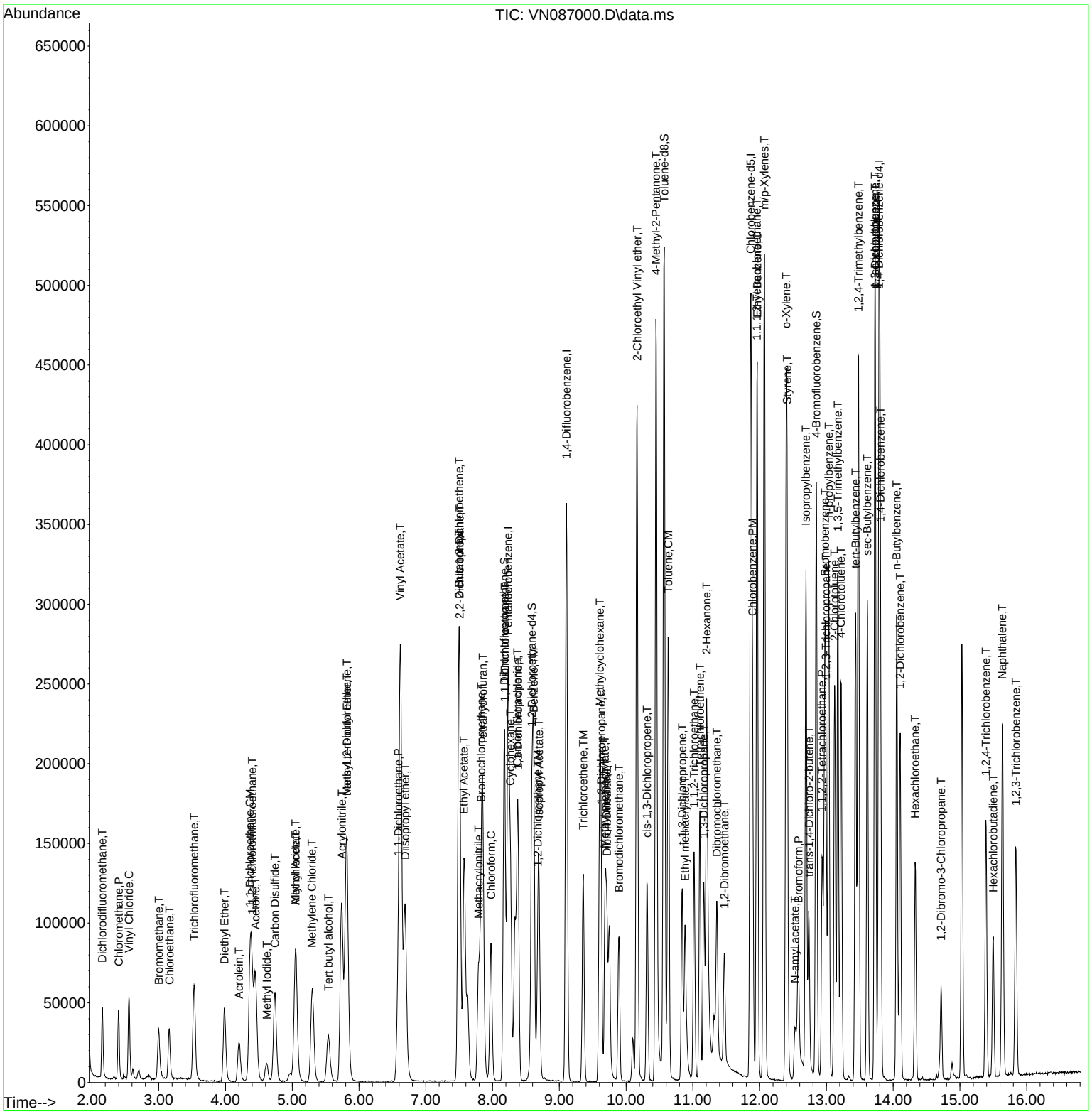
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

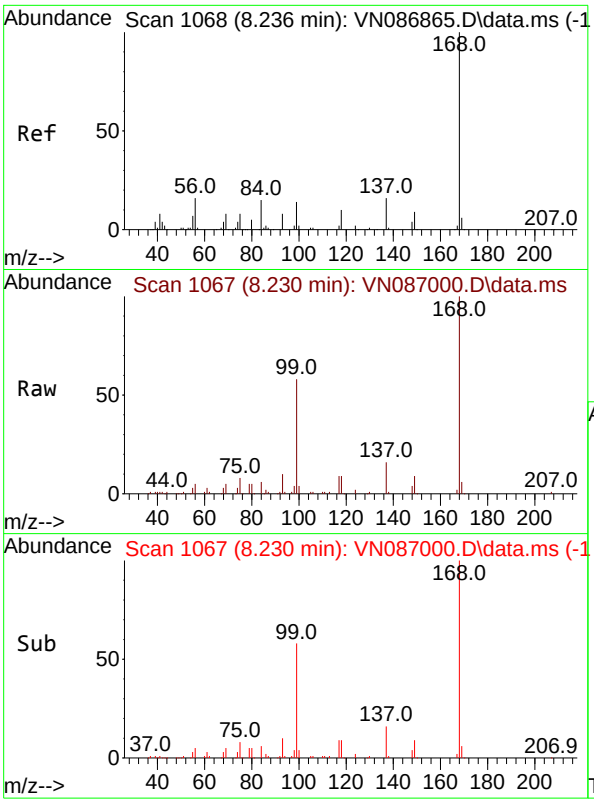
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087000.D
Acq On : 13 Jun 2025 14:32
Operator : JC\MD
Sample : VN0613WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Quant Time: Jun 14 00:27:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



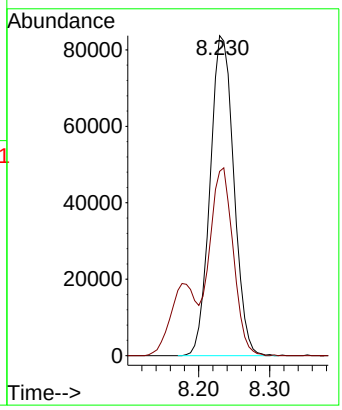


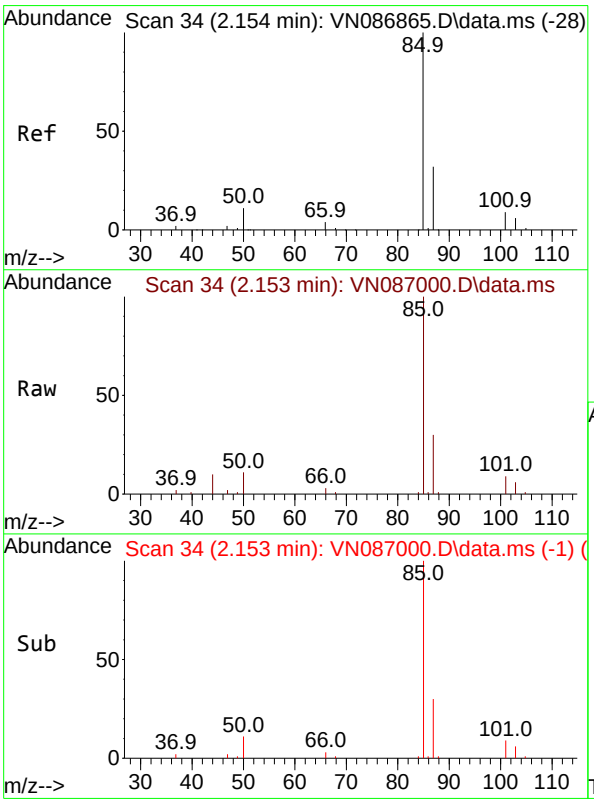
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion:168 Resp: 193820

Ion	Ratio	Lower	Upper
168	100		
99	57.6	49.1	73.7

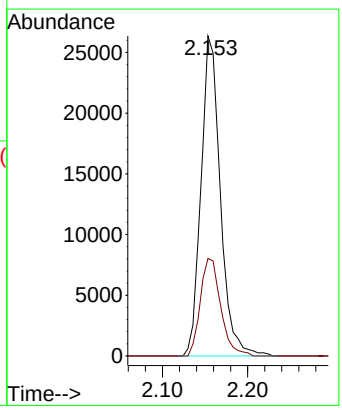


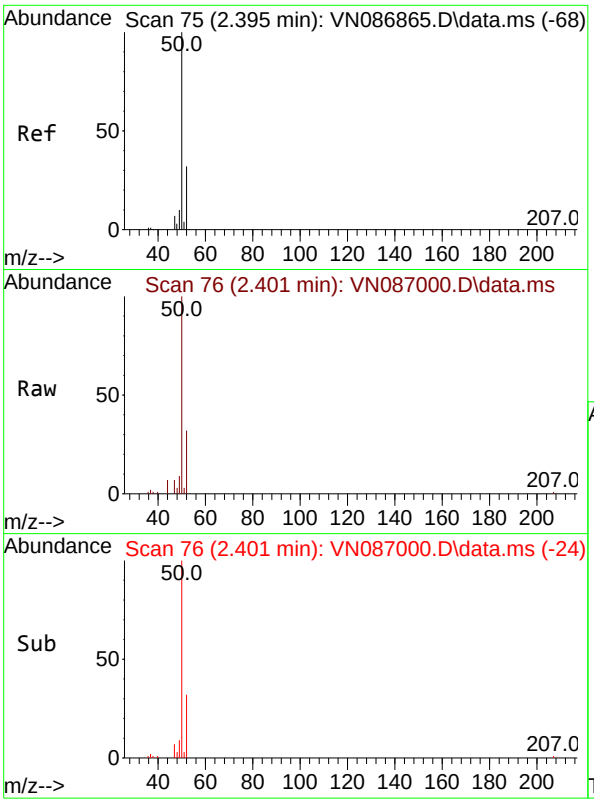


#2
Dichlorodifluoromethane
Concen: 21.475 ug/l
RT: 2.153 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 85 Resp: 41501

Ion	Ratio	Lower	Upper
85	100		
87	30.5	16.2	48.6



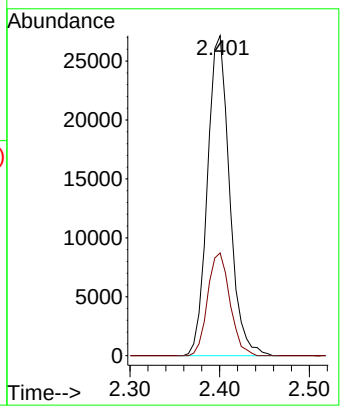


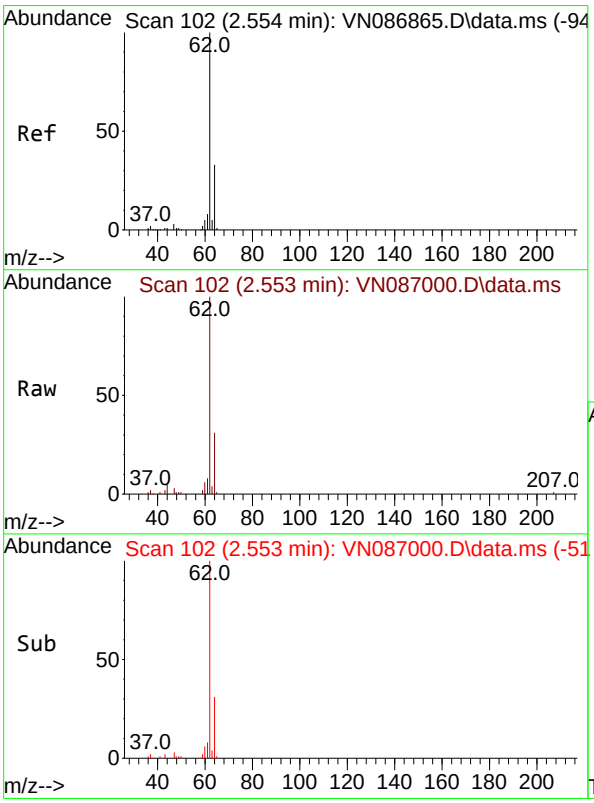
#3
Chloromethane
Concen: 18.581 ug/l
RT: 2.401 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 50 Resp: 46368

Ion	Ratio	Lower	Upper
50	100		
52	32.1	25.7	38.5

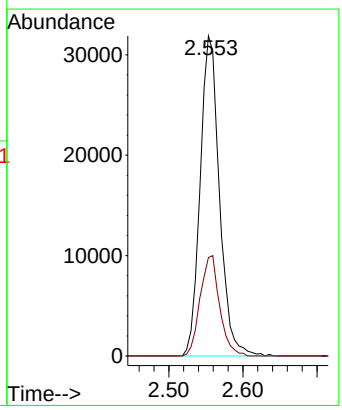


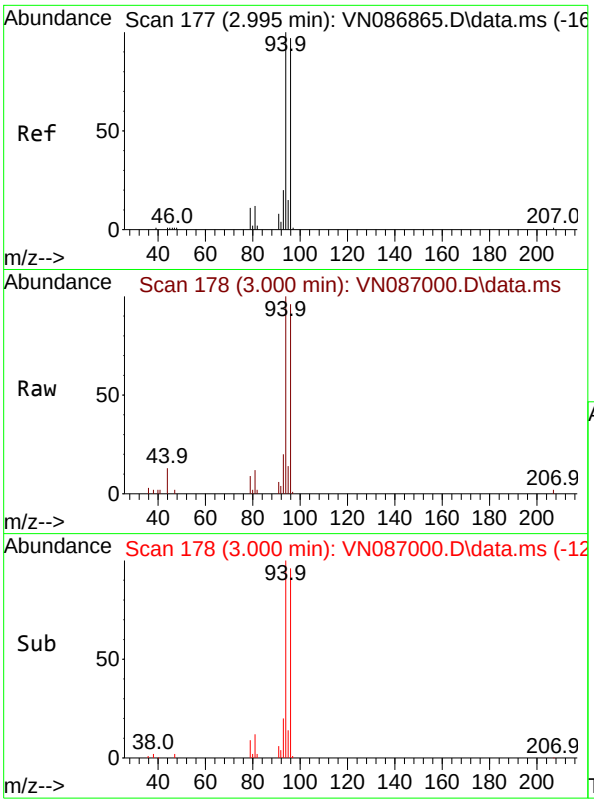


#4
Vinyl Chloride
Concen: 22.410 ug/l
RT: 2.553 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 62 Resp: 57688

Ion	Ratio	Lower	Upper
62	100		
64	30.8	26.0	39.0



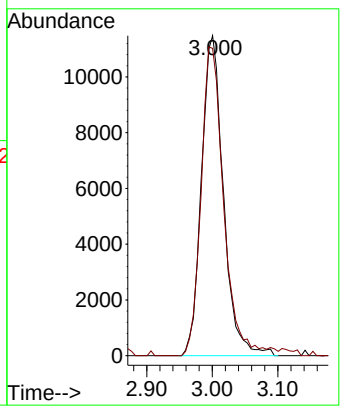


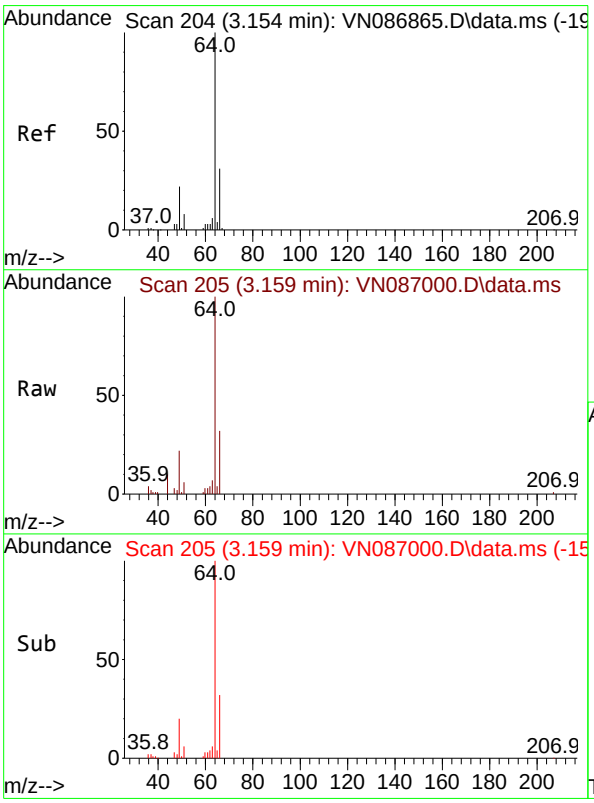
#5
Bromomethane
Concen: 18.519 ug/l
RT: 3.000 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 94 Resp: 26677

Ion	Ratio	Lower	Upper
94	100		
96	96.1	77.9	116.9

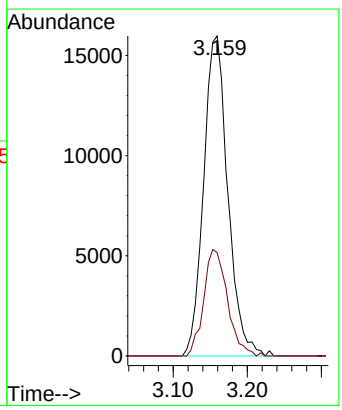


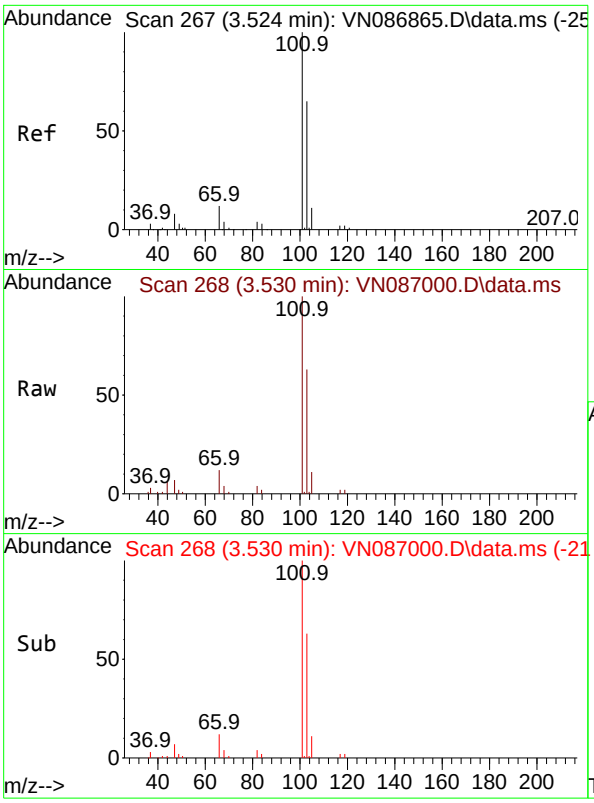


#6
Chloroethane
Concen: 21.812 ug/l
RT: 3.159 min Scan# 205
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 64 Resp: 36269

Ion	Ratio	Lower	Upper
64	100		
66	32.3	24.6	36.8



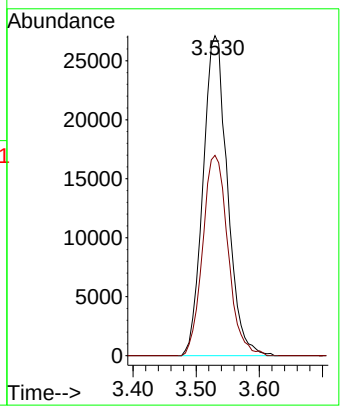


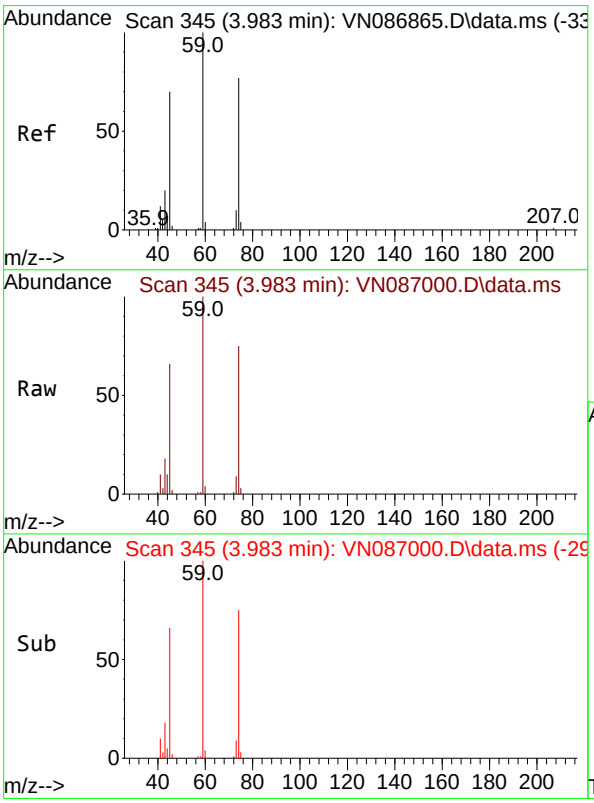
#7
Trichlorofluoromethane
Concen: 21.613 ug/l
RT: 3.530 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion:101 Resp: 72691

Ion	Ratio	Lower	Upper
101	100		
103	62.6	52.2	78.2

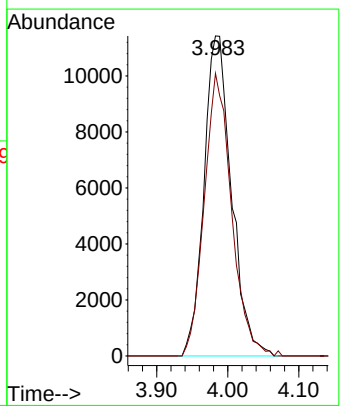


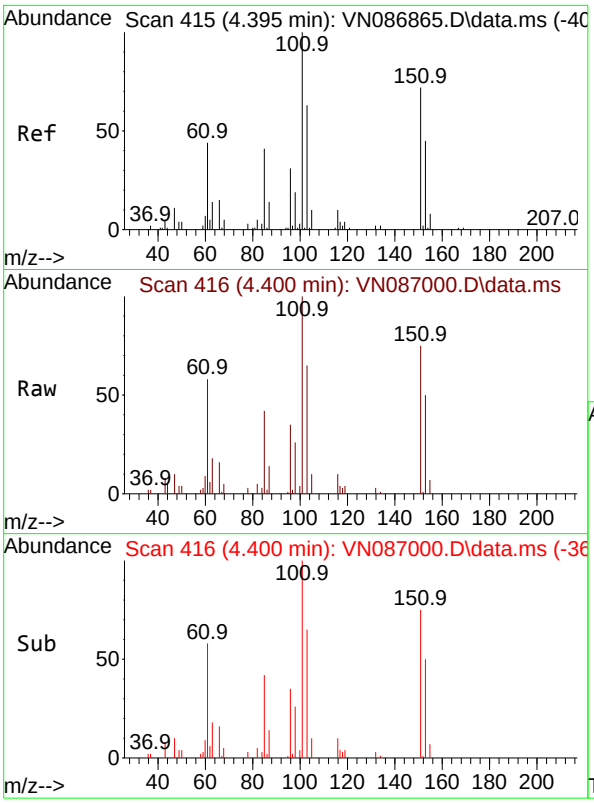


#8
Diethyl Ether
Concen: 20.990 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 74 Resp: 30759

Ion	Ratio	Lower	Upper
74	100		
45	87.6	45.5	136.5



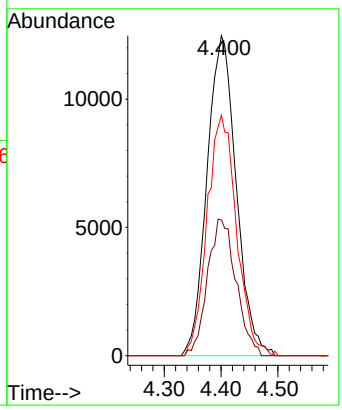


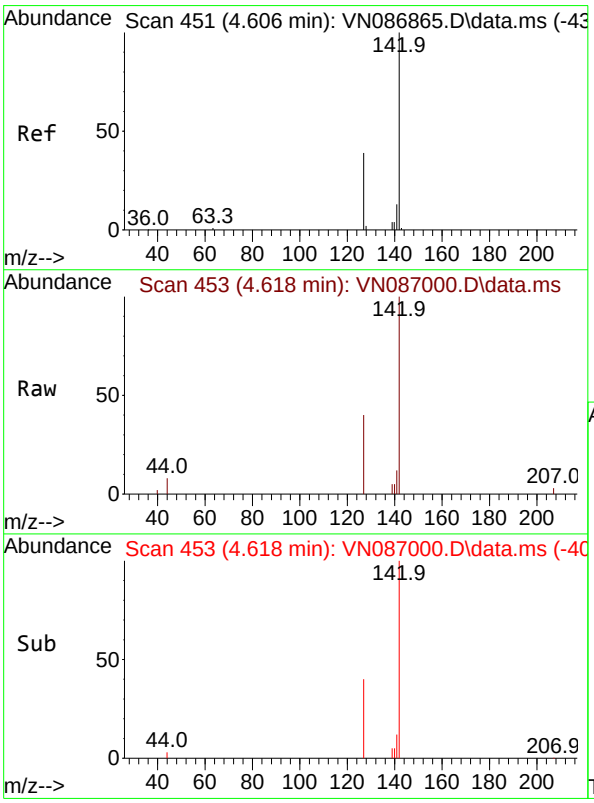
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.081 ug/l
RT: 4.400 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion:101 Resp: 44545

Ion	Ratio	Lower	Upper
101	100		
85	41.6	33.8	50.8
151	75.7	58.7	88.1

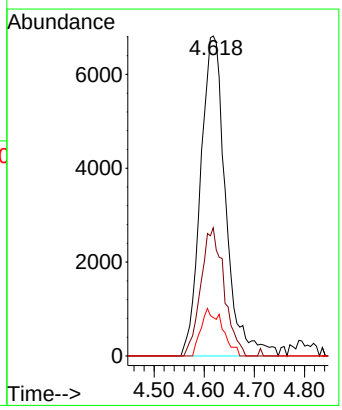


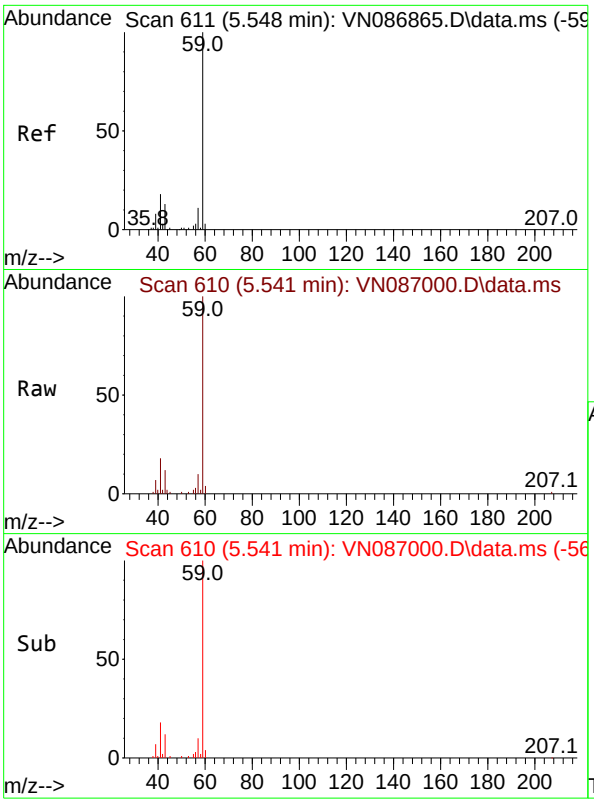


#10
Methyl Iodide
Concen: 8.611 ug/l
RT: 4.618 min Scan# 453
Delta R.T. 0.012 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:142 Resp: 23587

Ion	Ratio	Lower	Upper
142	100		
127	40.0	30.9	46.3
141	12.0	10.4	15.6



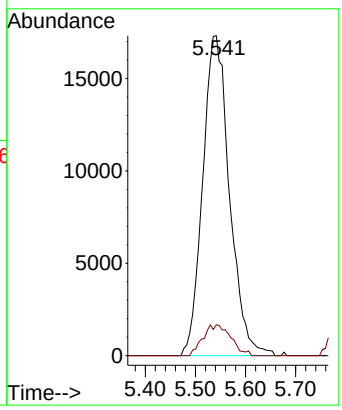


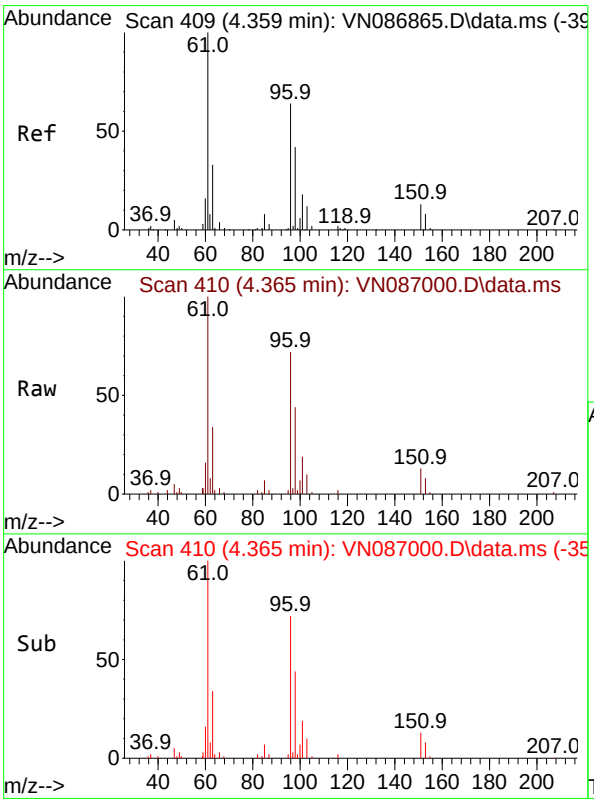
#11
Tert butyl alcohol
Concen: 91.353 ug/l
RT: 5.541 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 59 Resp: 64325

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.1	12.1

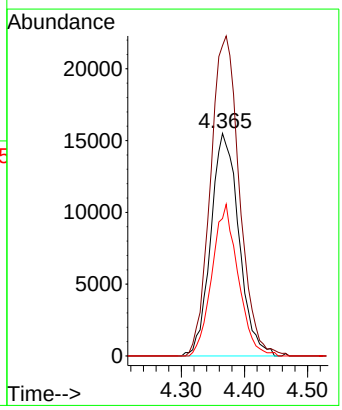


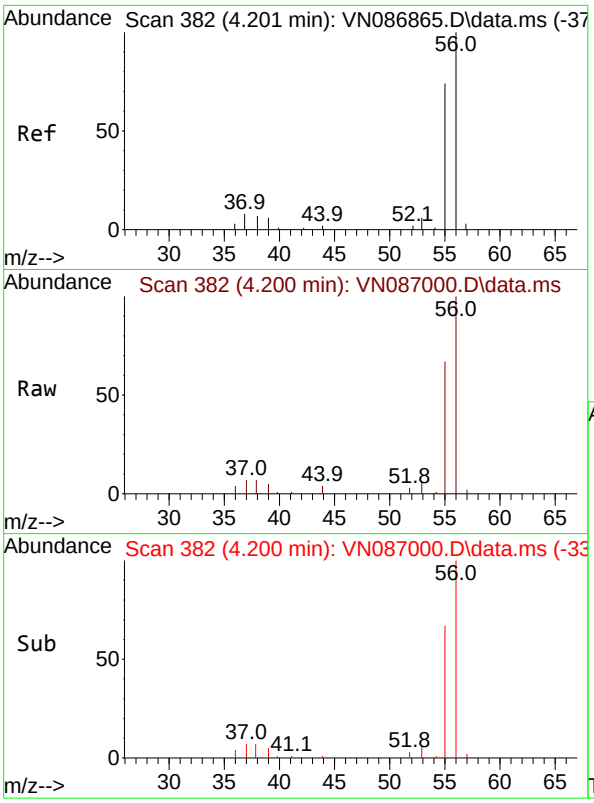


#12
1,1-Dichloroethene
Concen: 22.168 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 96 Resp: 47822

Ion	Ratio	Lower	Upper
96	100		
61	139.4	125.8	188.6
98	61.8	52.5	78.7



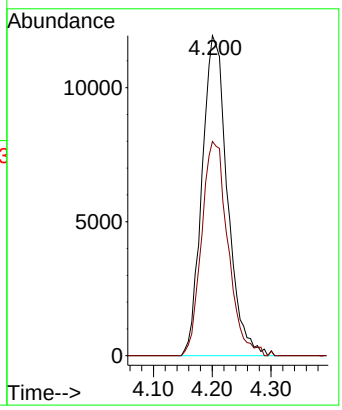


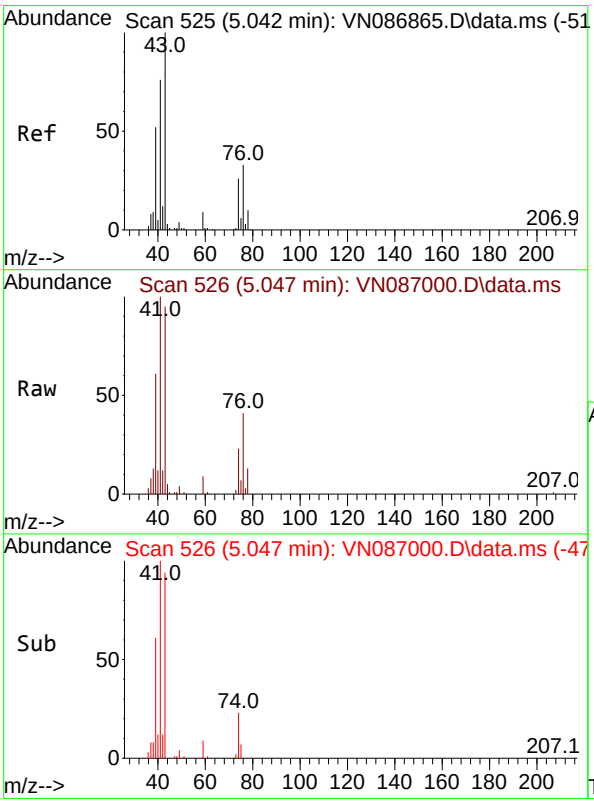
#13
Acrolein
Concen: 160.469 ug/l
RT: 4.200 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 56 Resp: 35766

Ion	Ratio	Lower	Upper
56	100		
55	69.4	55.6	83.4

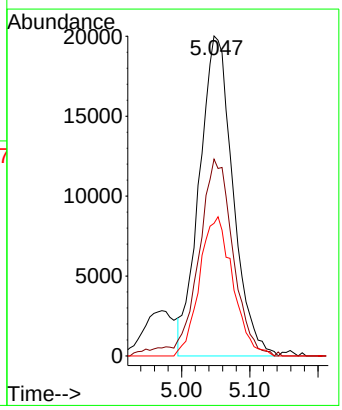


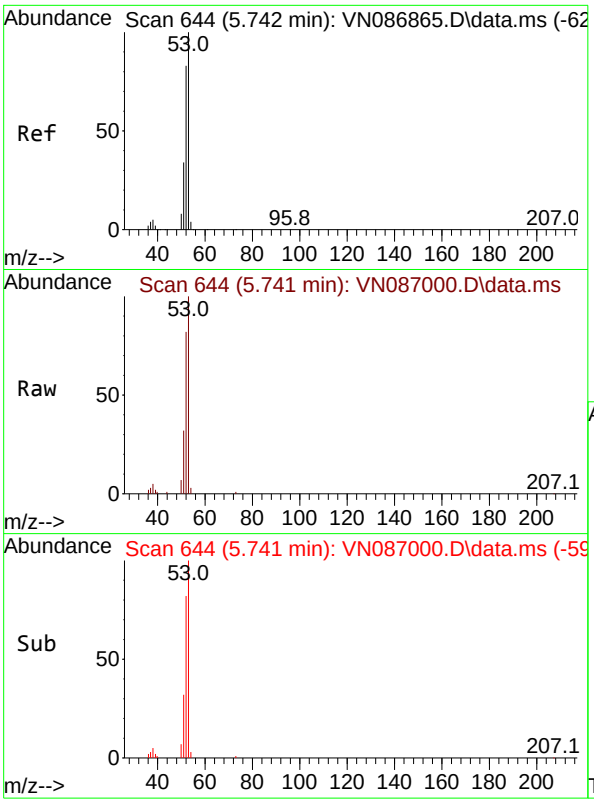


#14
Allyl chloride
Concen: 19.146 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 41 Resp: 68500

Ion	Ratio	Lower	Upper
41	100		
39	64.0	51.3	76.9
76	43.2	31.4	47.0



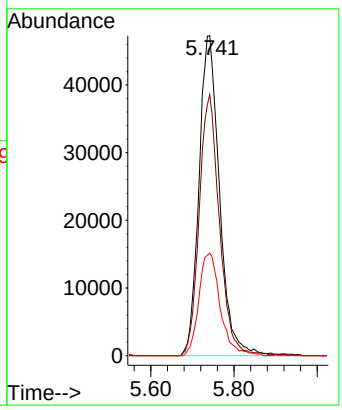


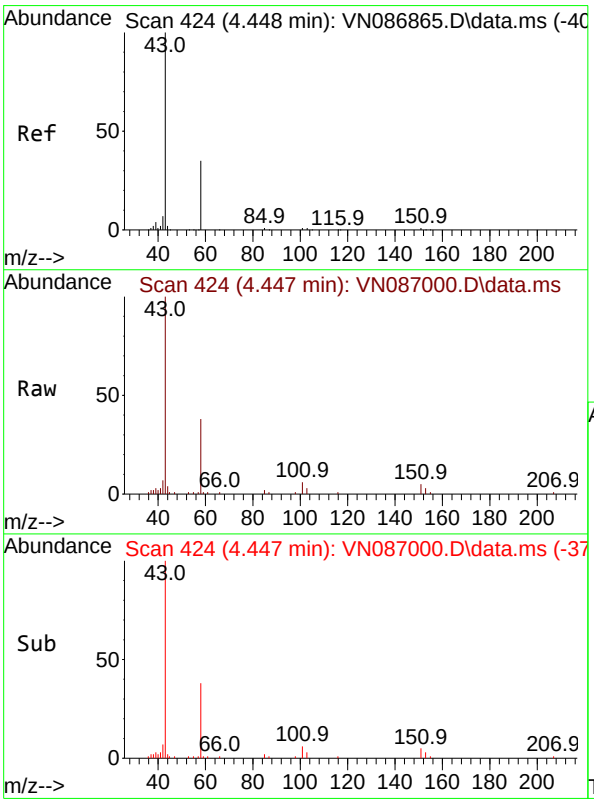
#15
Acrylonitrile
Concen: 98.265 ug/l
RT: 5.741 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 53 Resp: 161726

Ion	Ratio	Lower	Upper
53	100		
52	80.5	65.0	97.6
51	33.5	27.2	40.8

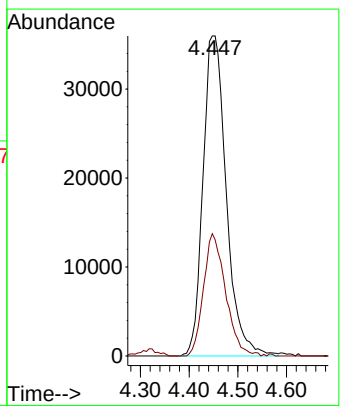


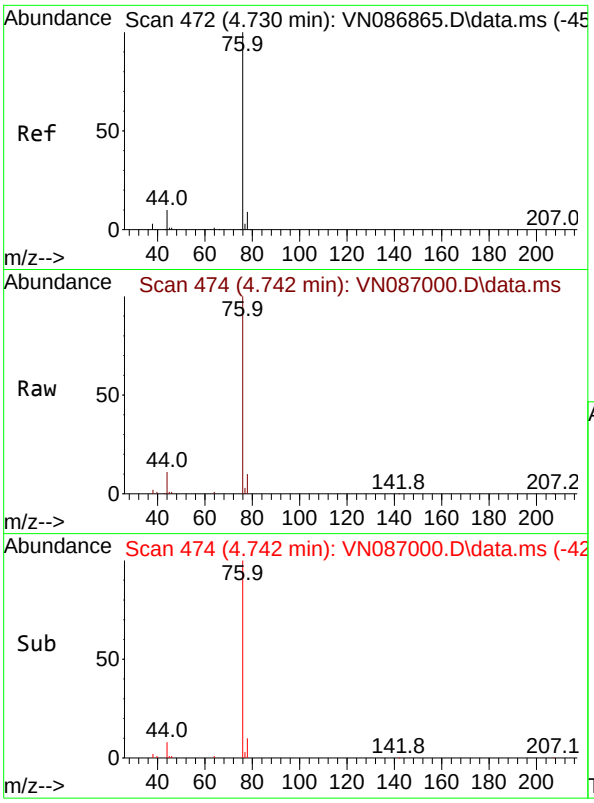


#16
Acetone
Concen: 86.723 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 43 Resp: 119345

Ion	Ratio	Lower	Upper
43	100		
58	38.2	28.0	42.0



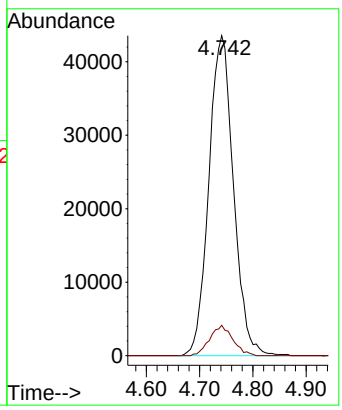


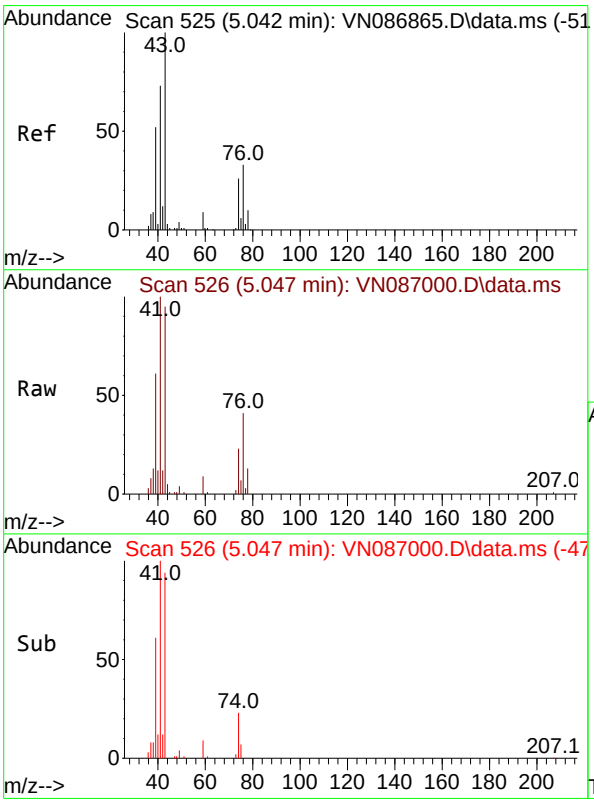
#17
Carbon Disulfide
Concen: 23.443 ug/l
RT: 4.742 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 76 Resp: 139889

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9

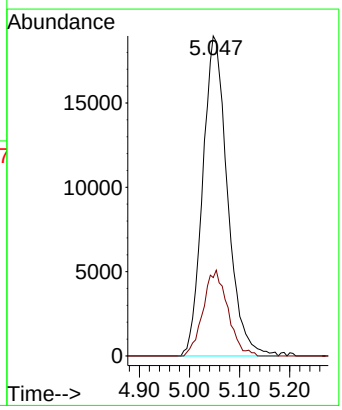


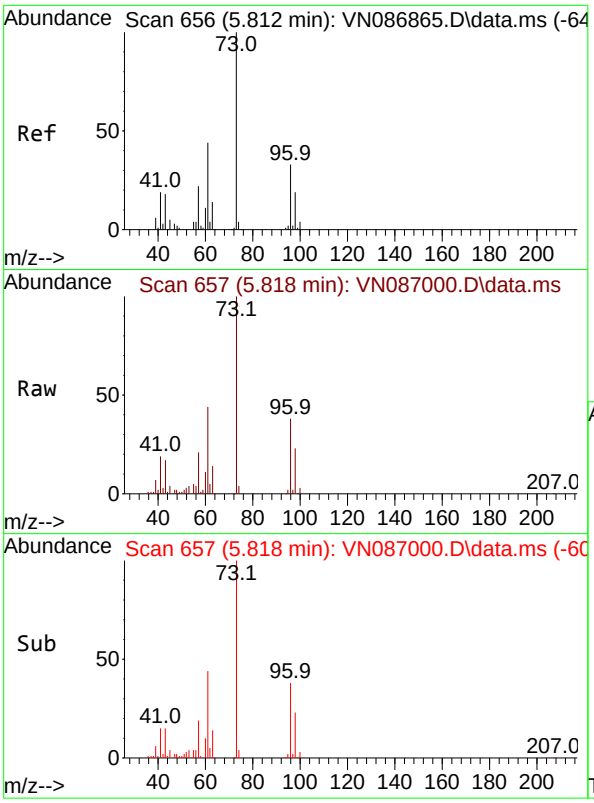


#18
Methyl Acetate
Concen: 16.206 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 43 Resp: 64994

Ion	Ratio	Lower	Upper
43	100		
74	26.7	20.7	31.1



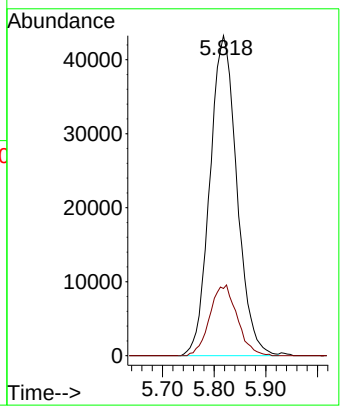


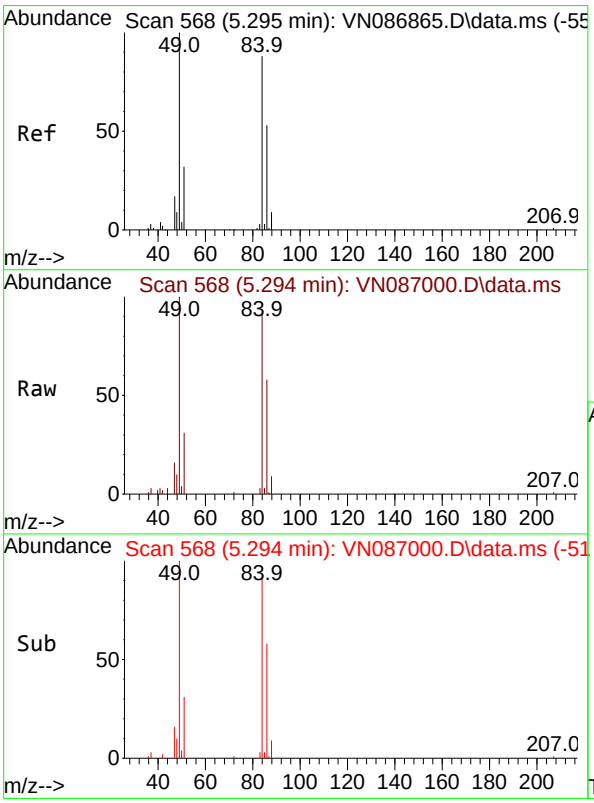
#19
Methyl tert-butyl Ether
Concen: 20.142 ug/l
RT: 5.818 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 73 Resp: 157327

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.4	26.2

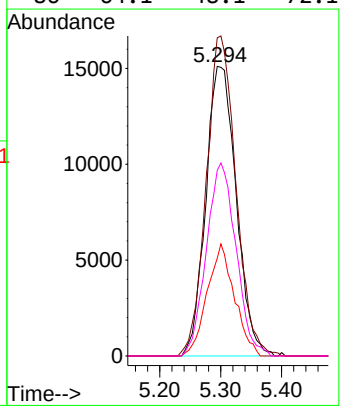


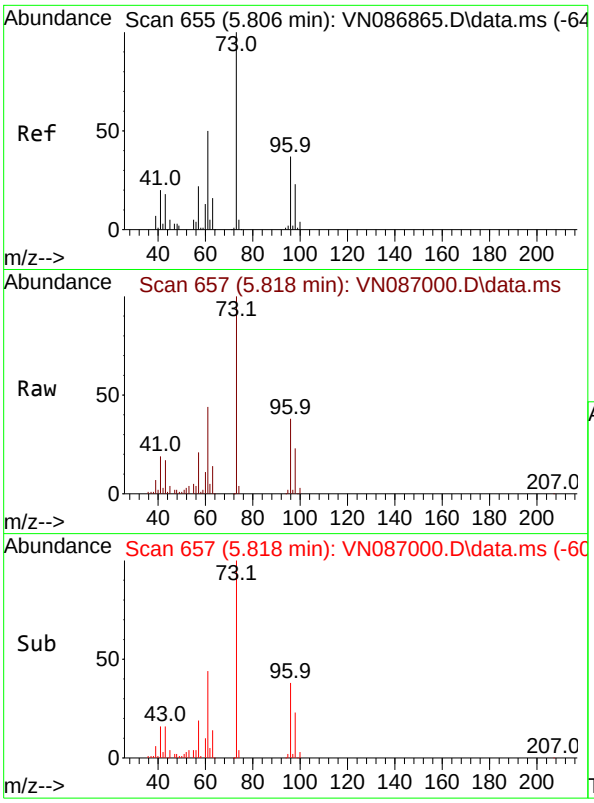


#20
Methylene Chloride
Concen: 20.381 ug/l
RT: 5.294 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 84 Resp: 52509

Ion	Ratio	Lower	Upper
84	100		
49	109.8	90.5	135.7
51	33.8	28.5	42.7
86	64.1	48.1	72.1



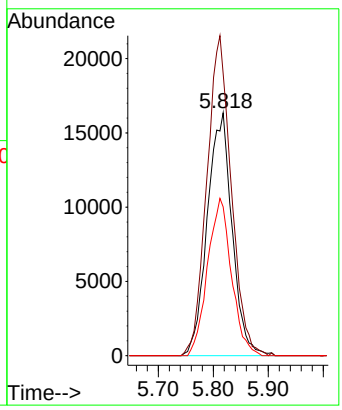


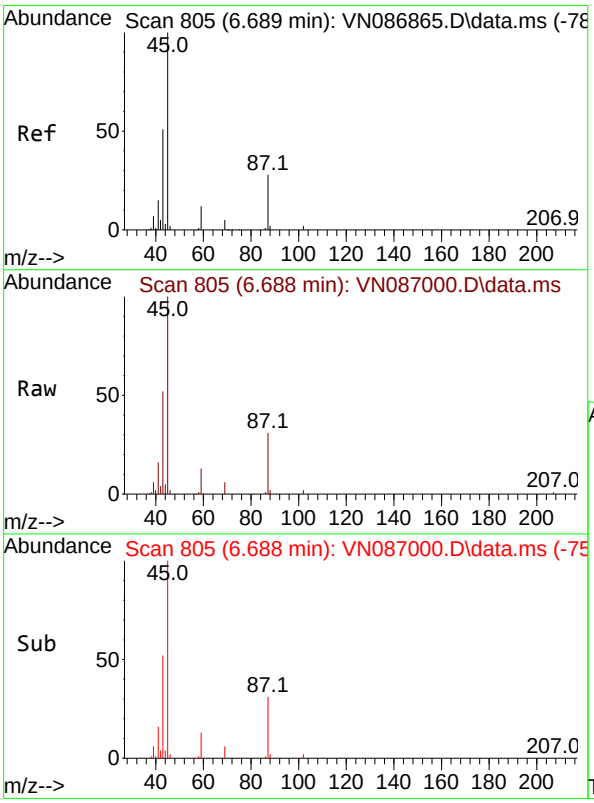
#21
trans-1,2-Dichloroethene
Concen: 21.358 ug/l
RT: 5.818 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 96 Resp: 51262

Ion	Ratio	Lower	Upper
96	100		
61	116.2	109.2	163.8
98	61.3	49.8	74.8

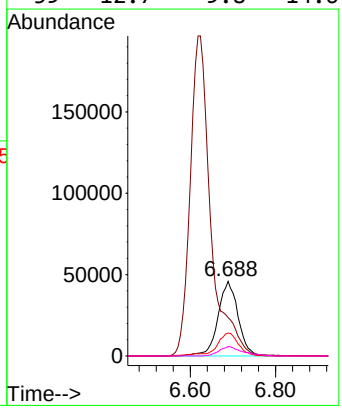


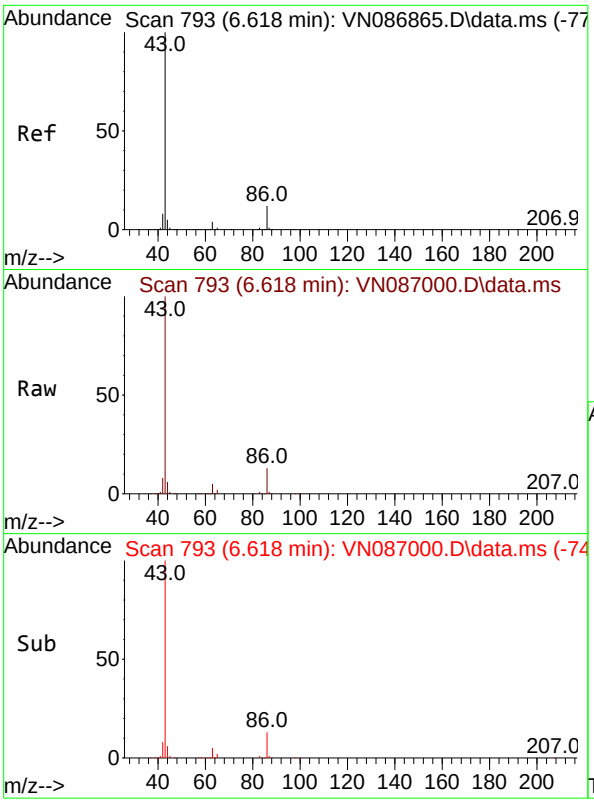


#22
Diisopropyl ether
Concen: 19.870 ug/l
RT: 6.688 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 45 Resp: 149851

Ion	Ratio	Lower	Upper
45	100		
43	50.5	41.9	62.9
87	30.6	22.4	33.6
59	12.7	9.8	14.6



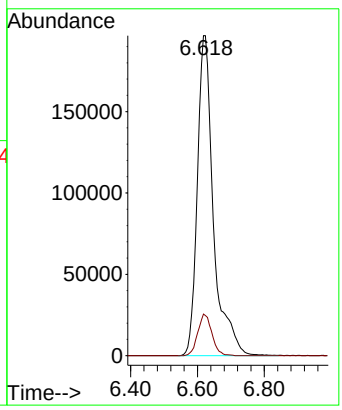


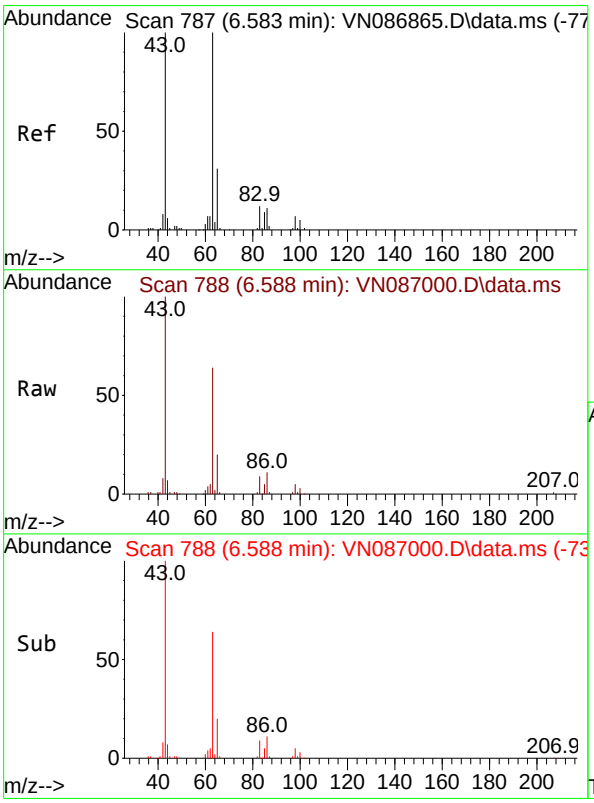
#23
Vinyl Acetate
Concen: 103.323 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 43 Resp: 658350

Ion	Ratio	Lower	Upper
43	100		
86	13.0	9.5	14.3

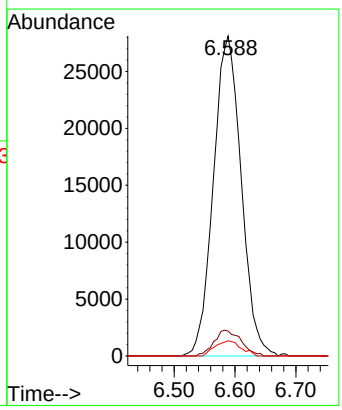


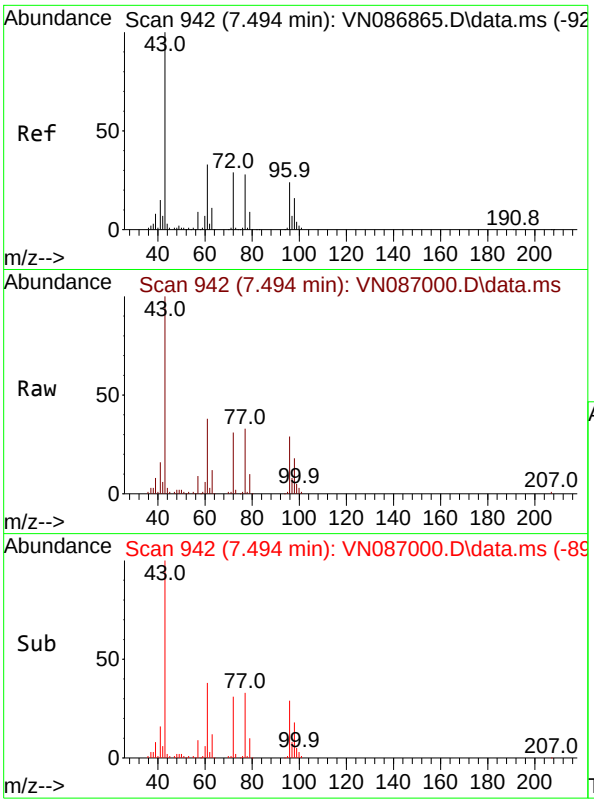


#24
1,1-Dichloroethane
Concen: 20.535 ug/l
RT: 6.588 min Scan# 788
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 63 Resp: 89124

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.6	10.8
100	4.7	2.6	7.8



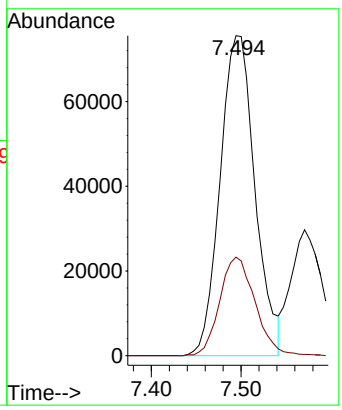


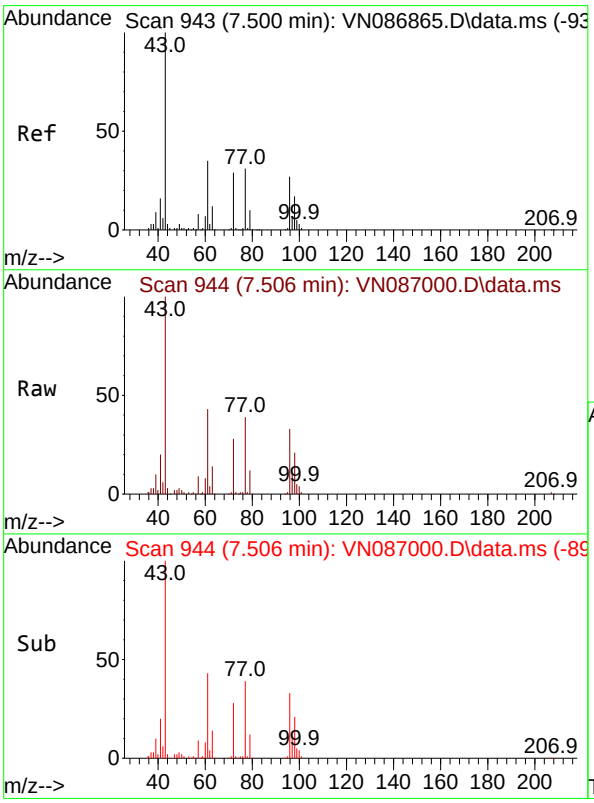
#25
2-Butanone
Concen: 91.238 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 43 Resp: 204093

Ion	Ratio	Lower	Upper
43	100		
72	30.8	23.0	34.6

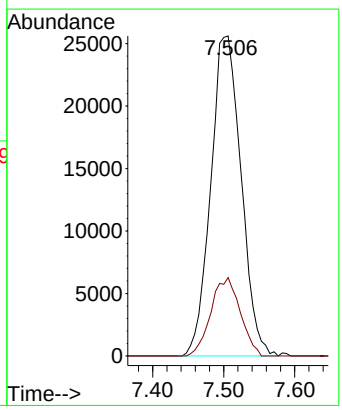


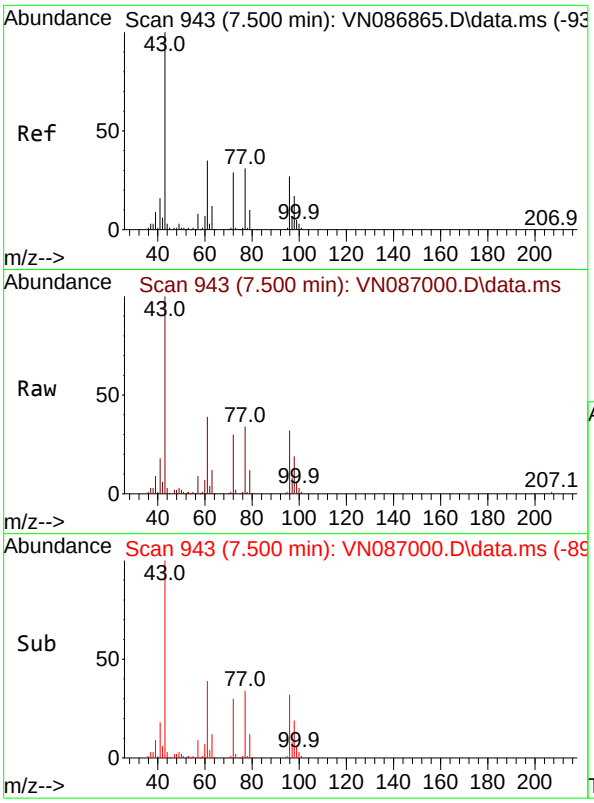


#26
2,2-Dichloropropane
Concen: 22.511 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 77 Resp: 75997

Ion	Ratio	Lower	Upper
77	100		
97	23.7	11.6	34.7



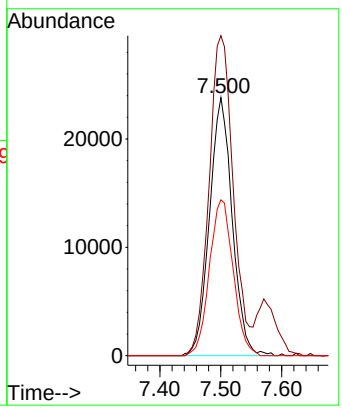


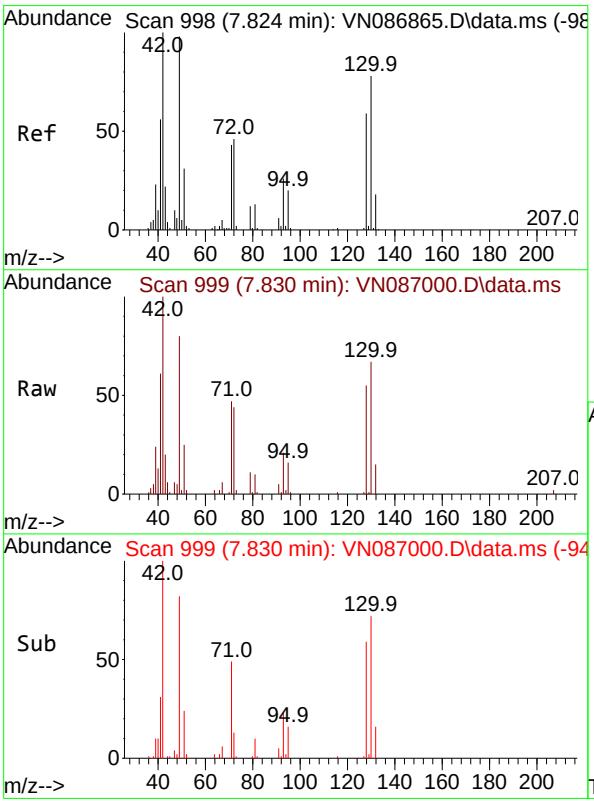
#27
cis-1,2-Dichloroethene
Concen: 21.544 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 96 Resp: 61840

Ion	Ratio	Lower	Upper
96	100		
61	132.3	0.0	278.0
98	63.1	0.0	128.2

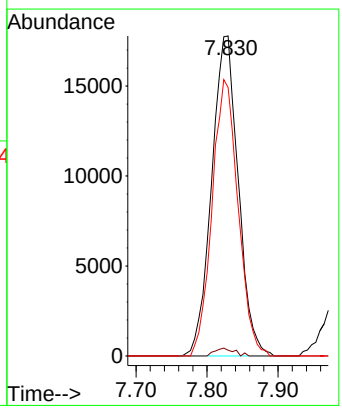


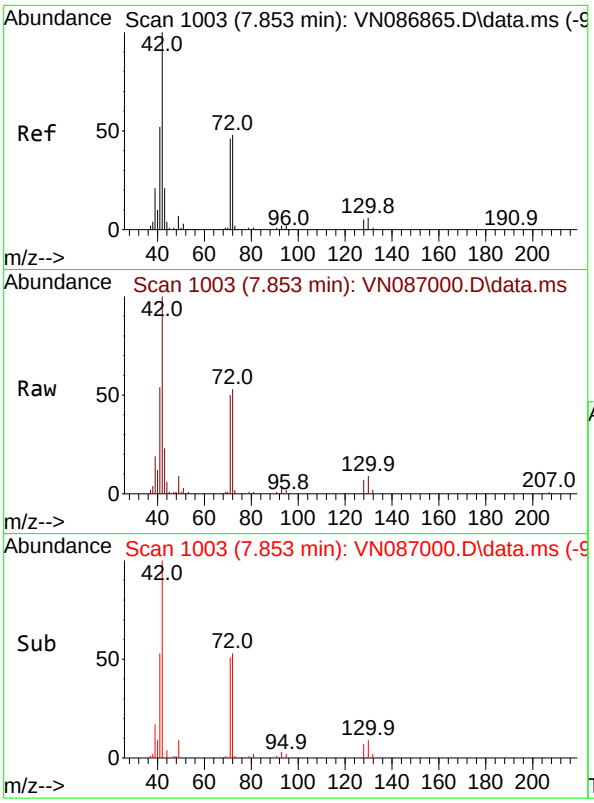


#28
Bromochloromethane
Concen: 21.714 ug/l
RT: 7.830 min Scan# 999
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 49 Resp: 46335

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	84.0	62.2	93.2



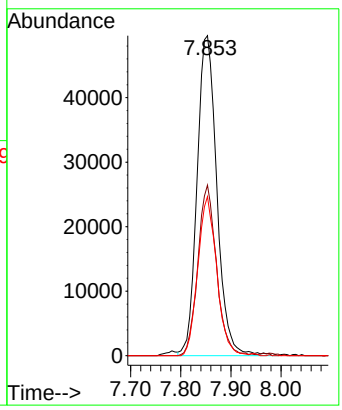


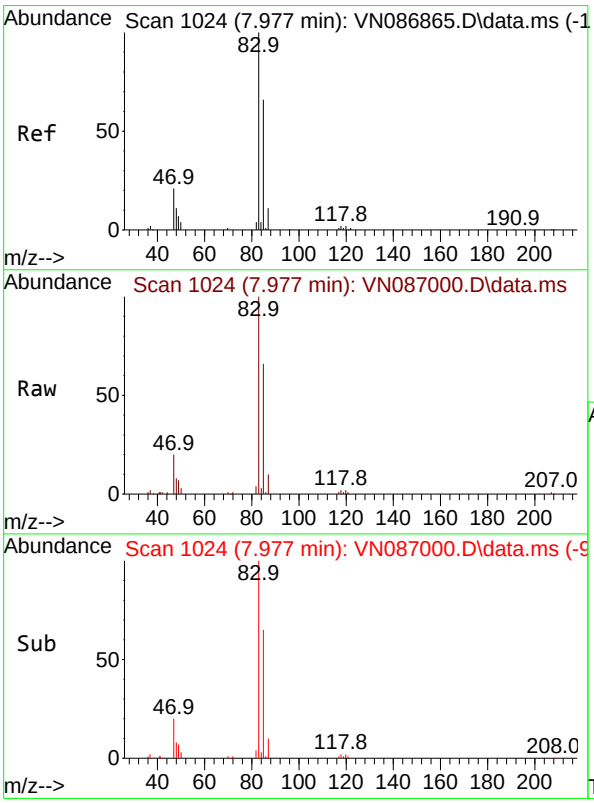
#29
Tetrahydrofuran
Concen: 93.364 ug/l
RT: 7.853 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 42 Resp: 136050

Ion	Ratio	Lower	Upper
42	100		
72	50.3	37.8	56.6
71	47.4	35.6	53.4

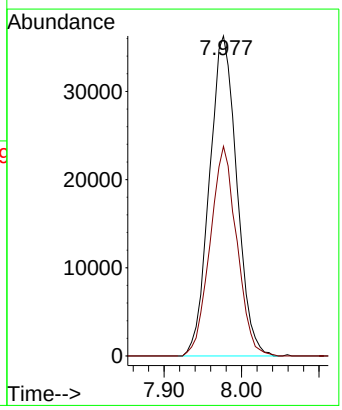


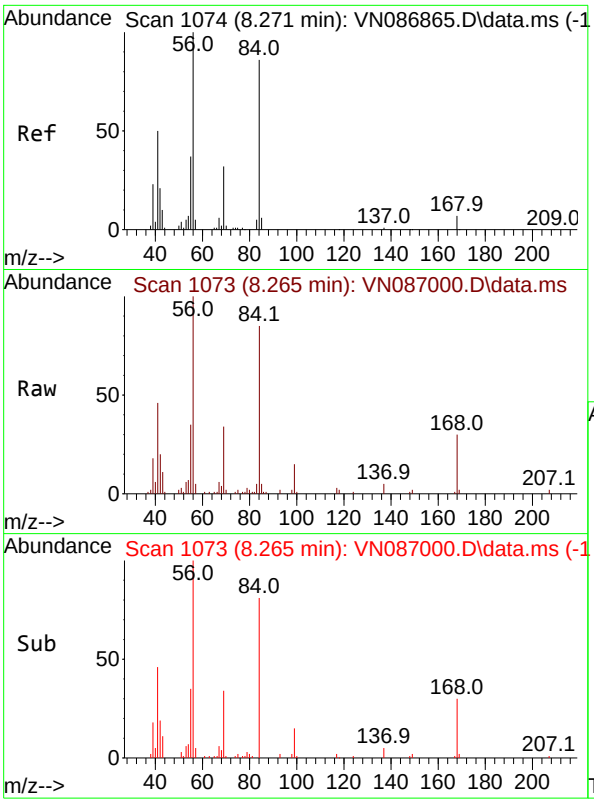


#30
Chloroform
Concen: 20.502 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 83 Resp: 88860

Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.9	79.3



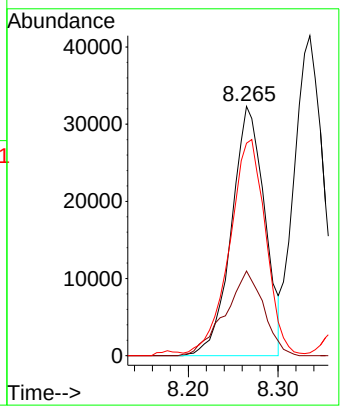


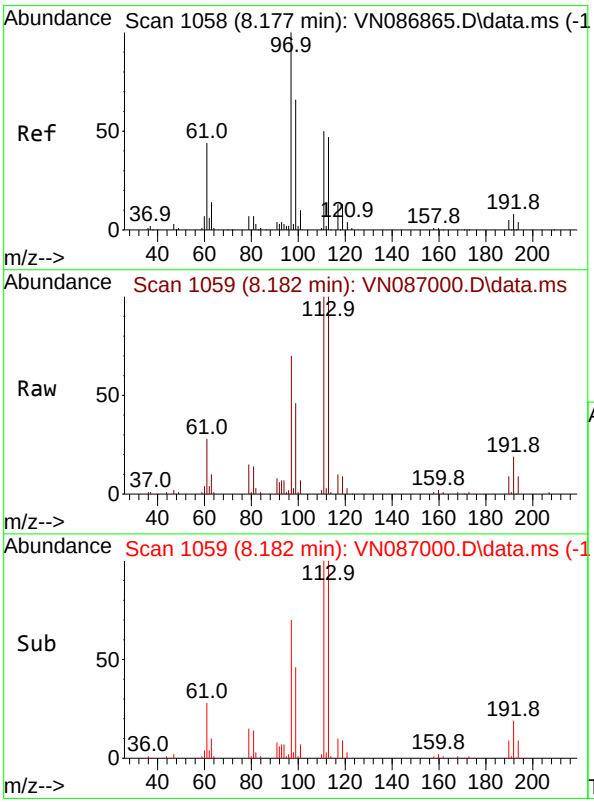
#31
Cyclohexane
Concen: 19.727 ug/l
RT: 8.265 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 56 Resp: 83030

Ion	Ratio	Lower	Upper
56	100		
69	33.9	25.4	38.0
84	83.8	68.8	103.2

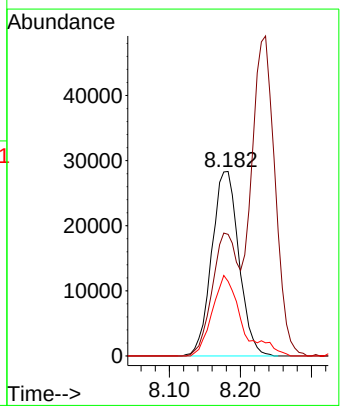


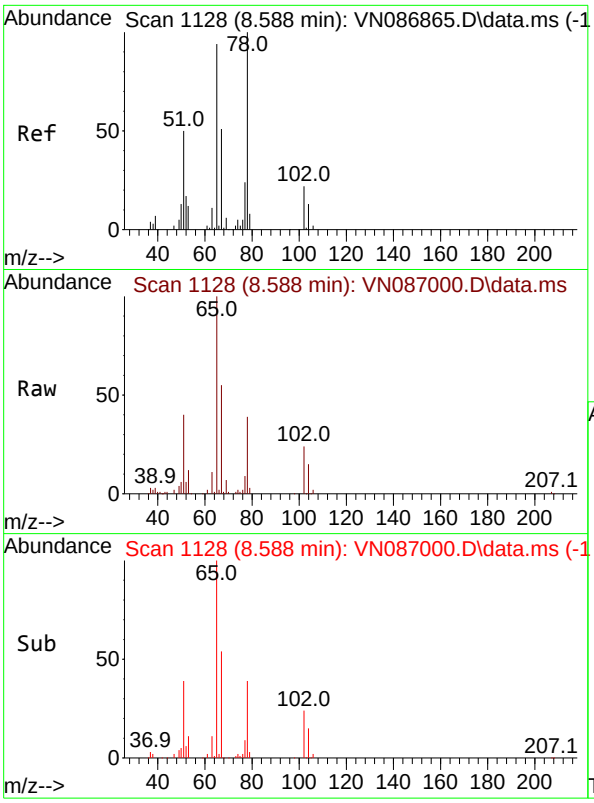


#32
1,1,1-Trichloroethane
Concen: 20.337 ug/l
RT: 8.182 min Scan# 1059
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 97 Resp: 74968

Ion	Ratio	Lower	Upper
97	100		
99	63.4	52.0	78.0
61	47.4	35.9	53.9



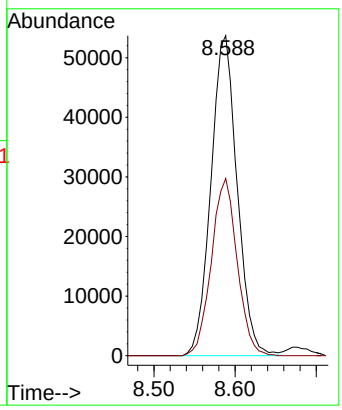


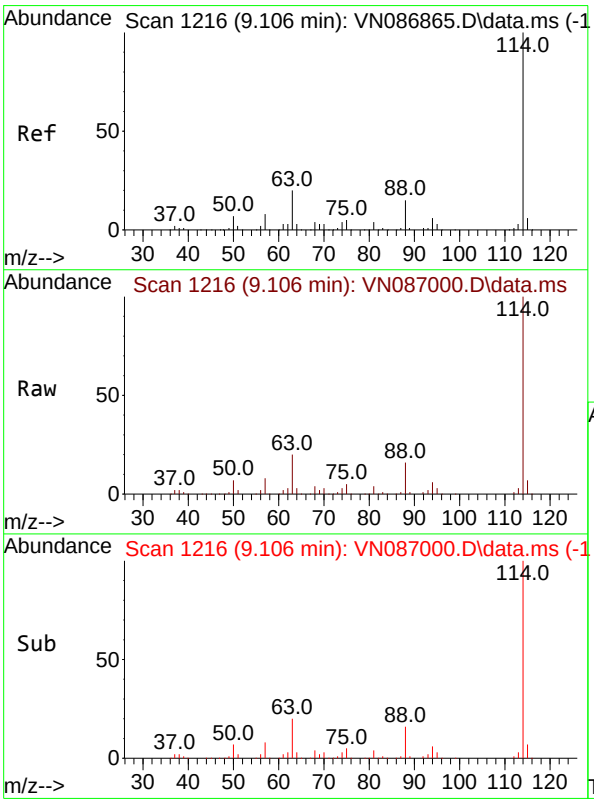
#33
1,2-Dichloroethane-d4
Concen: 46.519 ug/l
RT: 8.588 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 65 Resp: 120719

Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	105.6

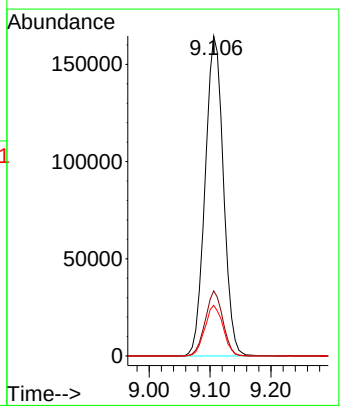


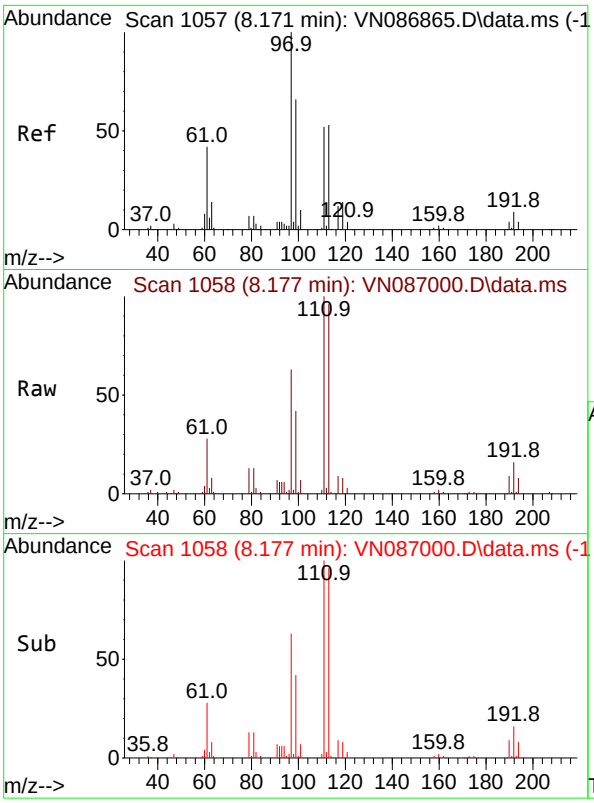


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:114 Resp: 342767

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	39.6
88	15.8	0.0	30.2



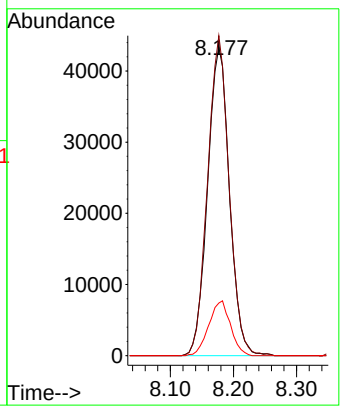


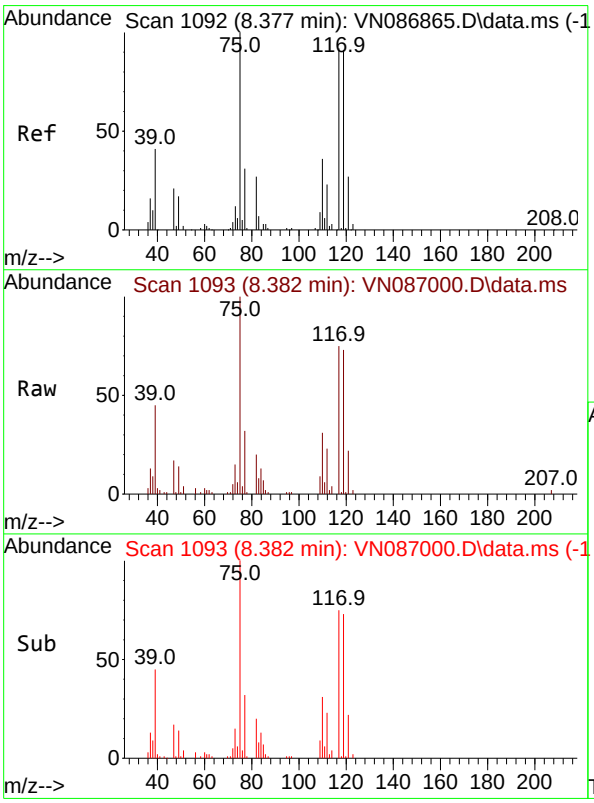
#35
Dibromofluoromethane
Concen: 51.333 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion:113 Resp: 104273

Ion	Ratio	Lower	Upper
113	100		
111	102.0	84.2	126.2
192	17.7	14.2	21.4

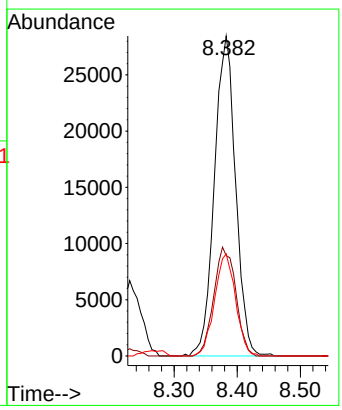


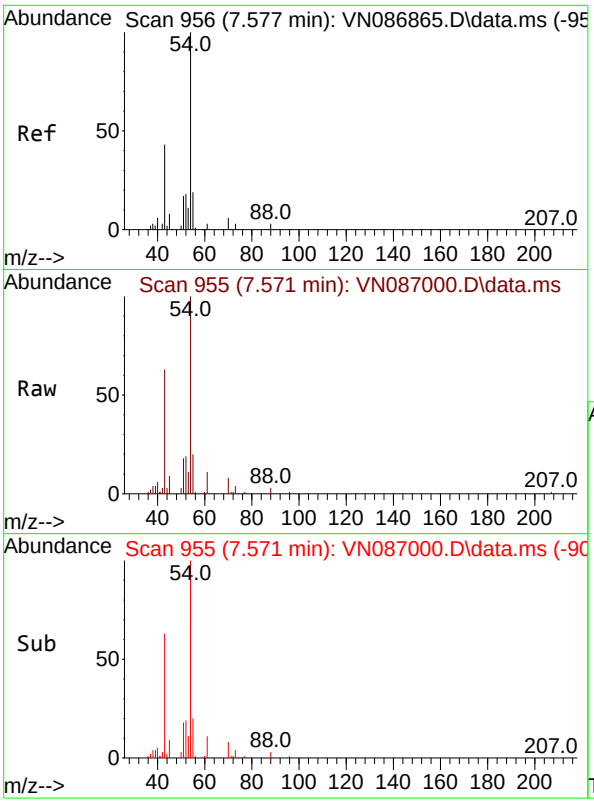


#36
1,1-Dichloropropene
Concen: 21.920 ug/l
RT: 8.382 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 75 Resp: 66350

Ion	Ratio	Lower	Upper
75	100		
110	35.3	17.6	52.9
77	31.6	25.3	37.9



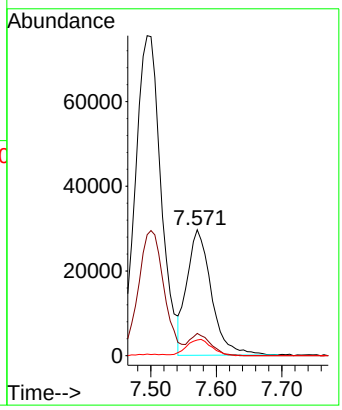


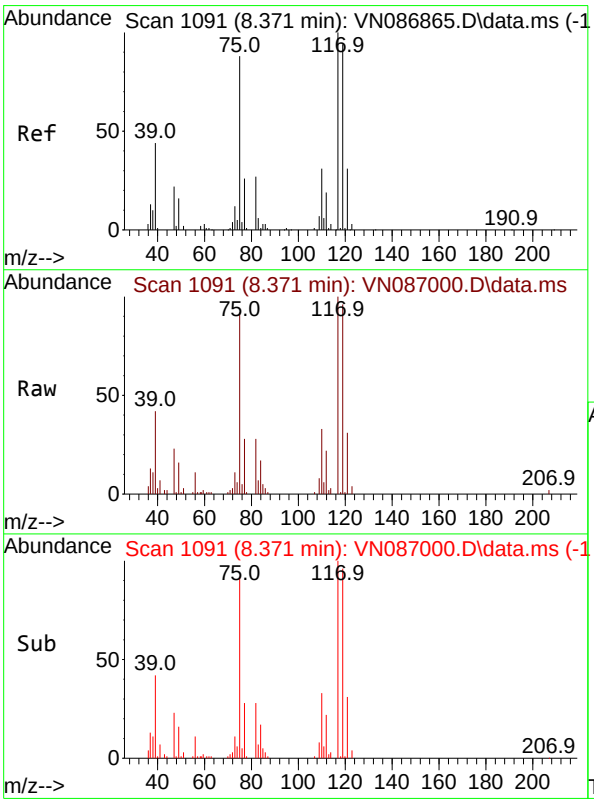
#37
Ethyl Acetate
Concen: 19.890 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 43 Resp: 76639

Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.1	18.1
70	13.5	9.8	14.6

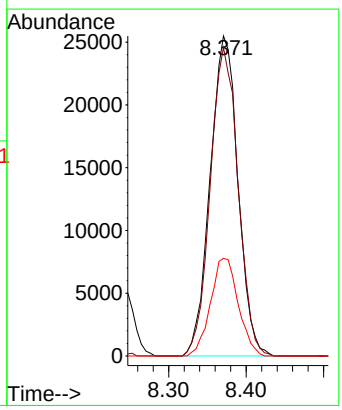


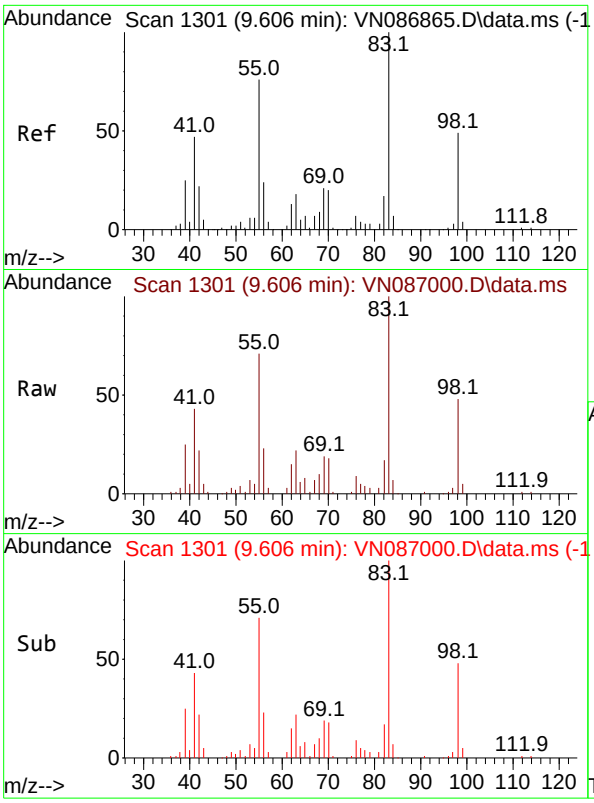


#38
Carbon Tetrachloride
Concen: 21.401 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:117 Resp: 63596

Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.0	112.6
121	30.5	24.9	37.3



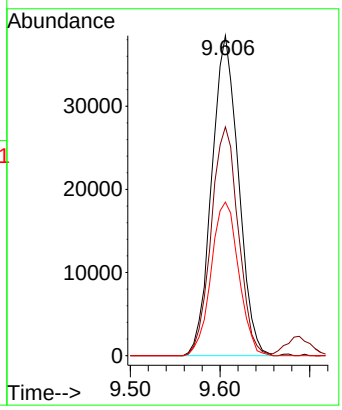


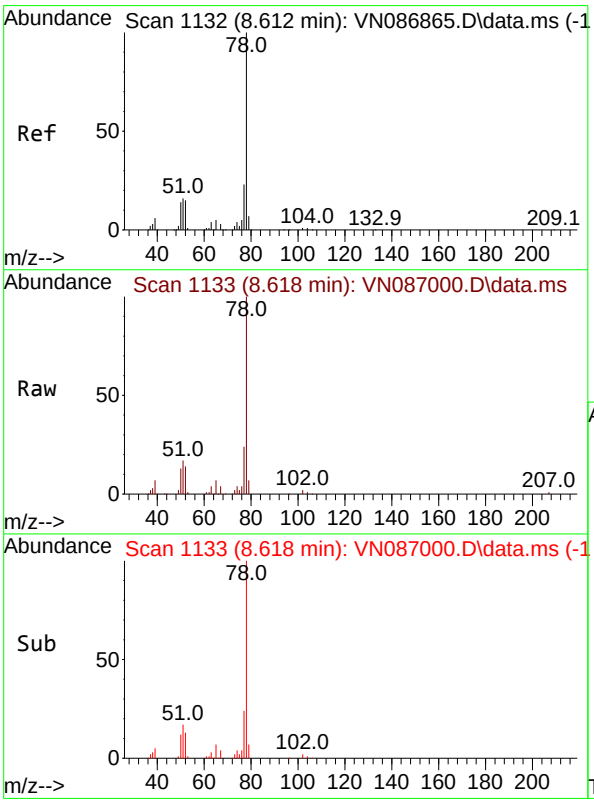
#39
Methylcyclohexane
Concen: 19.176 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 83 Resp: 79523

Ion	Ratio	Lower	Upper
83	100		
55	71.5	61.0	91.6
98	48.0	38.9	58.3

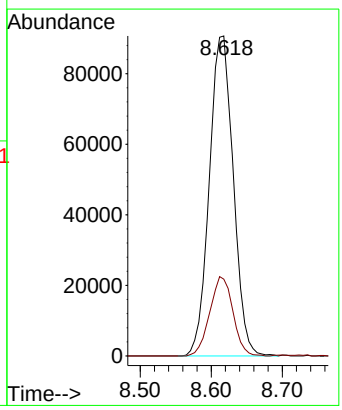


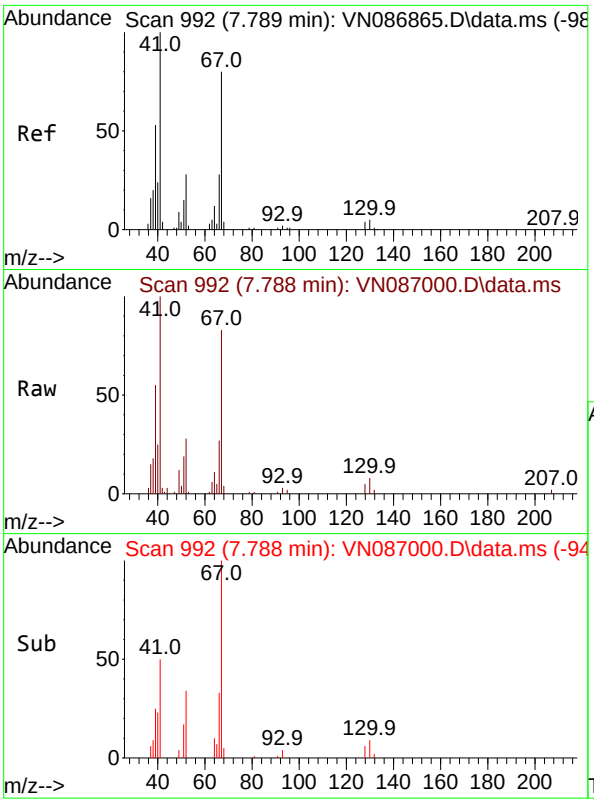


#40
Benzene
Concen: 21.476 ug/l
RT: 8.618 min Scan# 1133
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 78 Resp: 212565

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.7	28.1



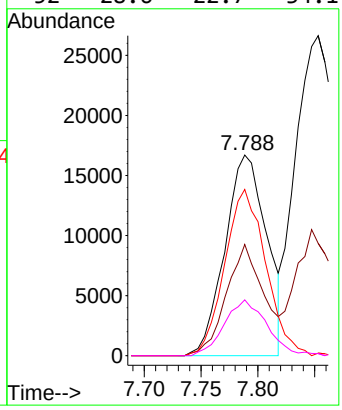


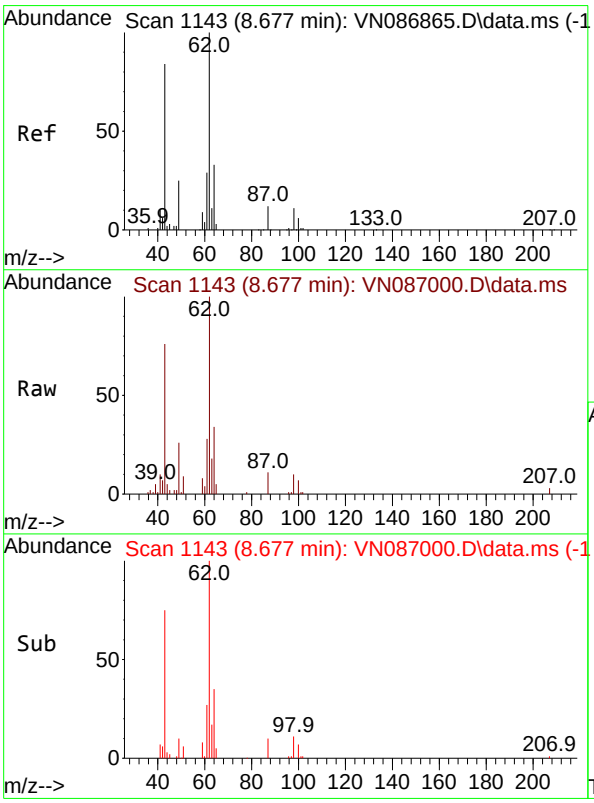
#41
Methacrylonitrile
Concen: 19.746 ug/l
RT: 7.788 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 41 Resp: 42730

Ion	Ratio	Lower	Upper
41	100		
39	49.6	41.2	61.8
67	81.7	61.4	92.2
52	28.6	22.7	34.1

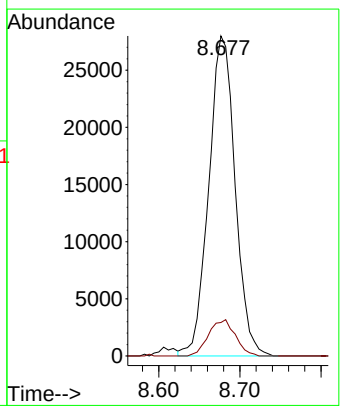


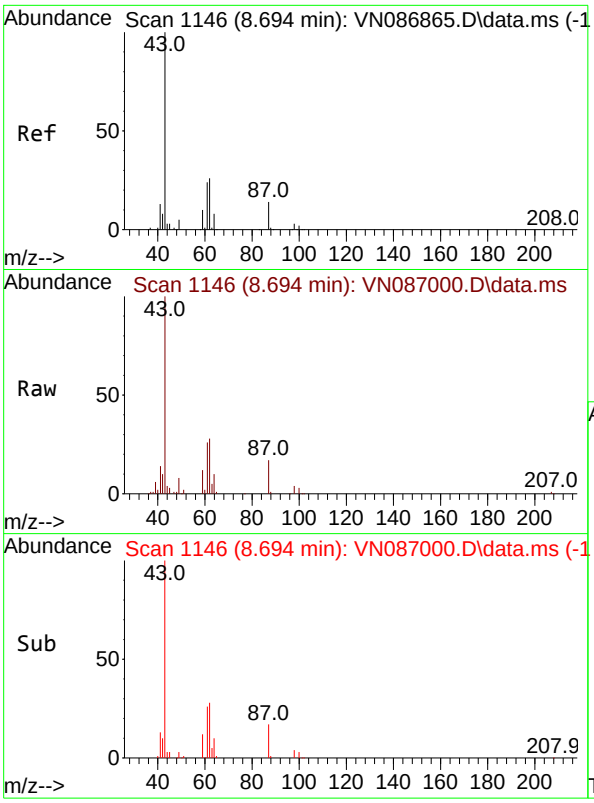


#42
1,2-Dichloroethane
Concen: 21.085 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 62 Resp: 63301

Ion	Ratio	Lower	Upper
62	100		
98	11.5	0.0	21.2



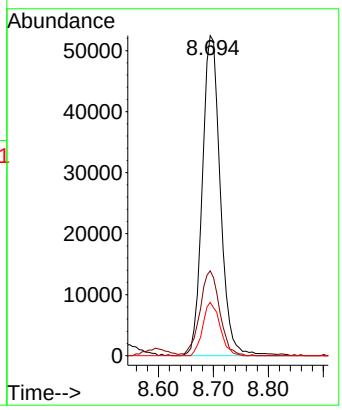


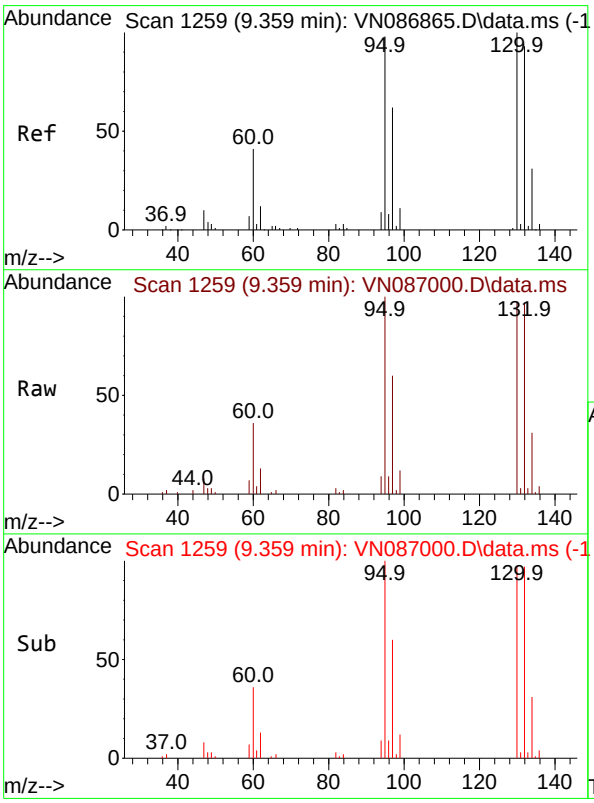
#43
Isopropyl Acetate
Concen: 19.266 ug/l
RT: 8.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 43 Resp: 119151

Ion	Ratio	Lower	Upper
43	100		
61	29.2	22.1	33.1
87	16.0	11.8	17.6

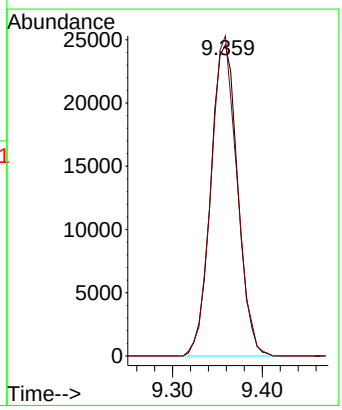


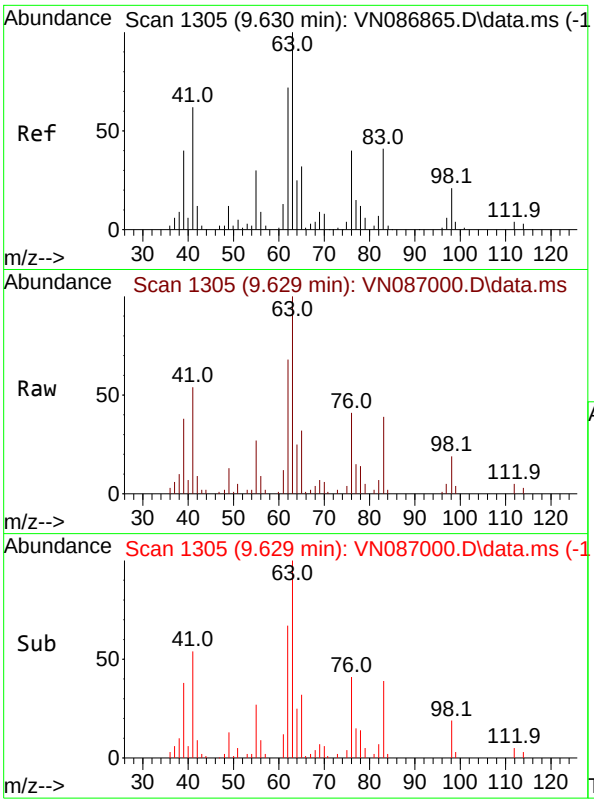


#44
Trichloroethene
Concen: 21.858 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:130 Resp: 51301

Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	196.2



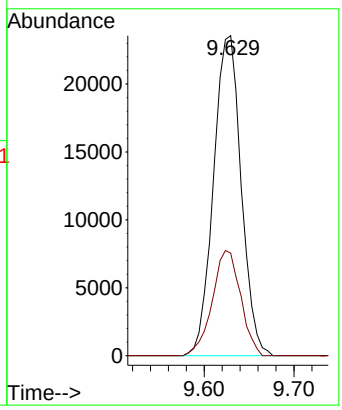


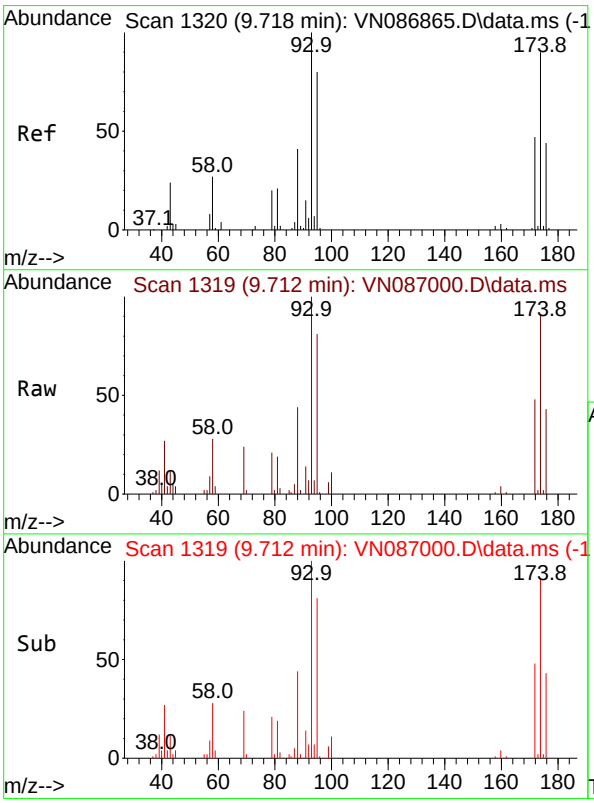
#45
1,2-Dichloropropane
Concen: 20.928 ug/l
RT: 9.629 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 63 Resp: 50395

Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.5	38.3

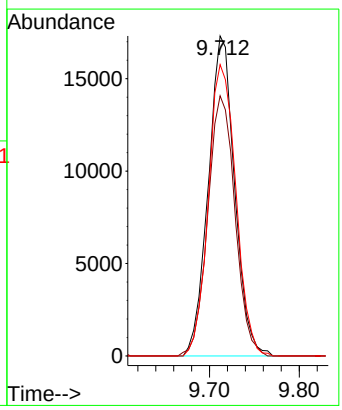


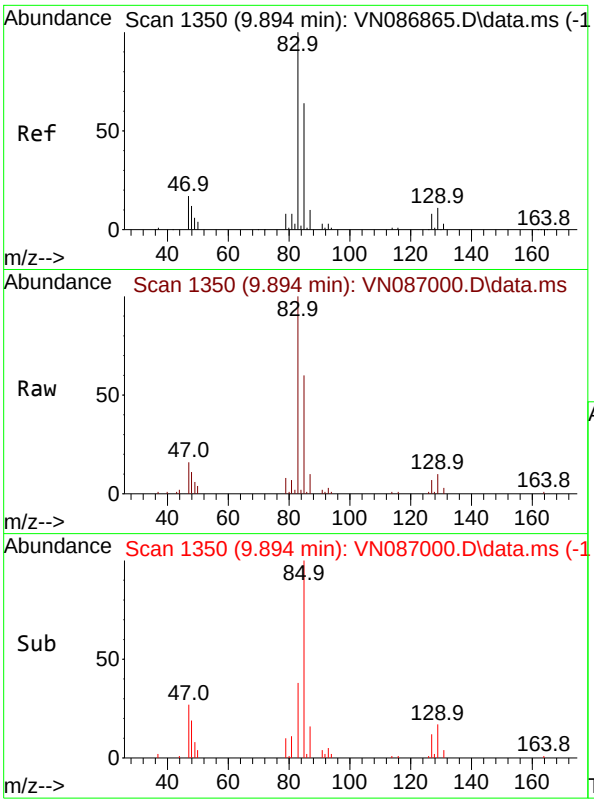


#46
Dibromomethane
Concen: 22.048 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 93 Resp: 35265

Ion	Ratio	Lower	Upper
93	100		
95	83.9	67.1	100.7
174	94.8	74.2	111.4



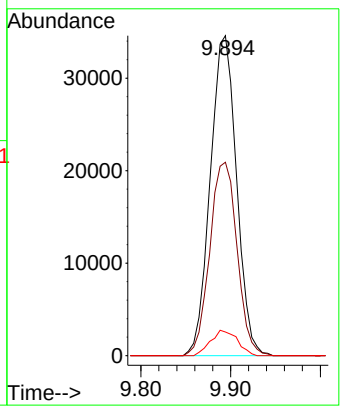


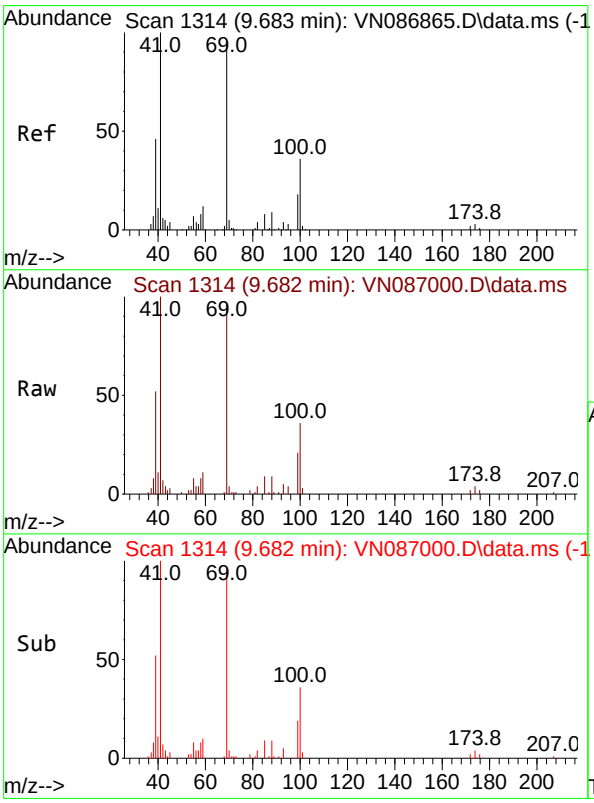
#47
Bromodichloromethane
Concen: 21.365 ug/l
RT: 9.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 83 Resp: 70308

Ion	Ratio	Lower	Upper
83	100		
85	60.4	50.9	76.3
127	7.4	6.6	10.0

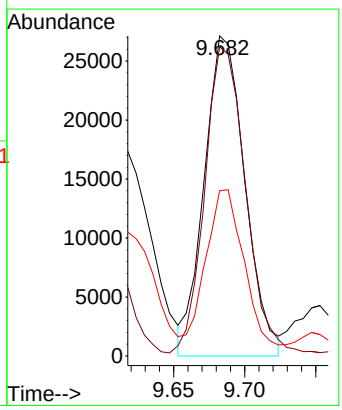


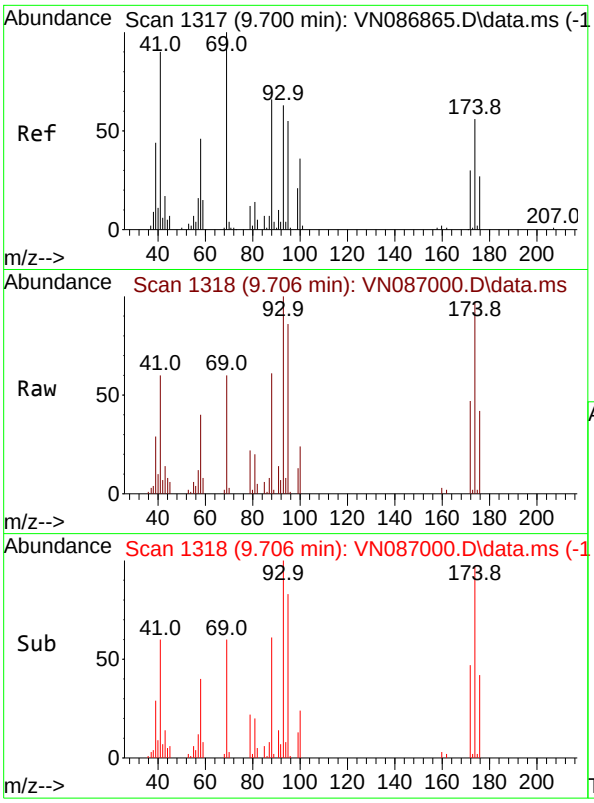


#48
Methyl methacrylate
Concen: 19.036 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 41 Resp: 54185

Ion	Ratio	Lower	Upper
41	100		
69	99.0	74.6	112.0
39	51.0	40.2	60.4



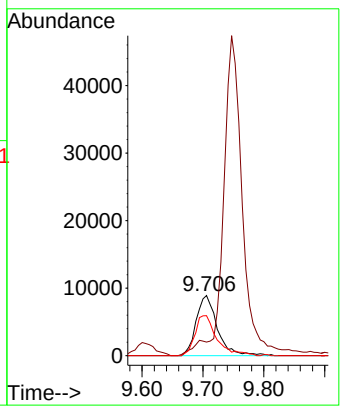


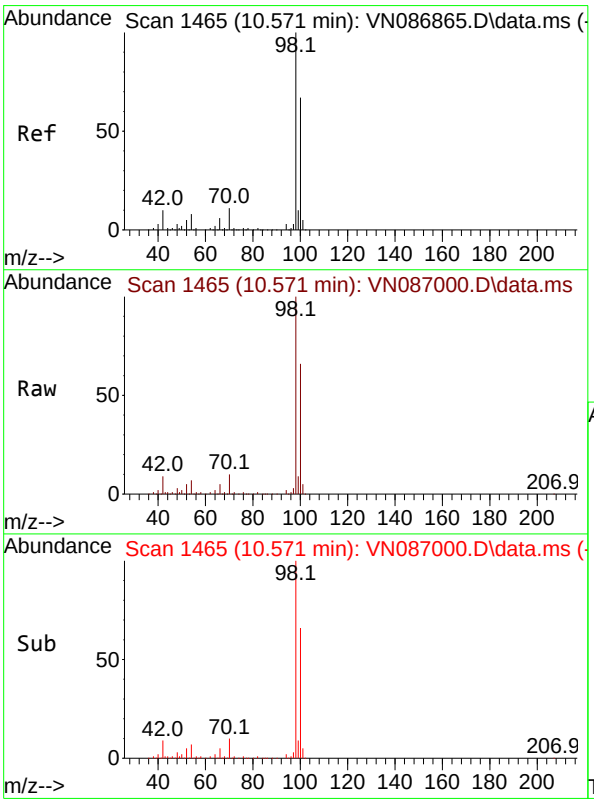
#49
1,4-Dioxane
Concen: 415.962 ug/l
RT: 9.706 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 88 Resp: 21540

Ion	Ratio	Lower	Upper
88	100		
43	17.4	0.0	0.0#
58	68.3	57.7	86.5

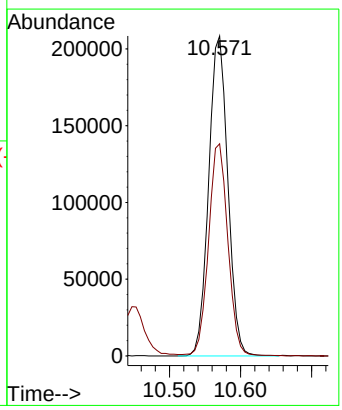


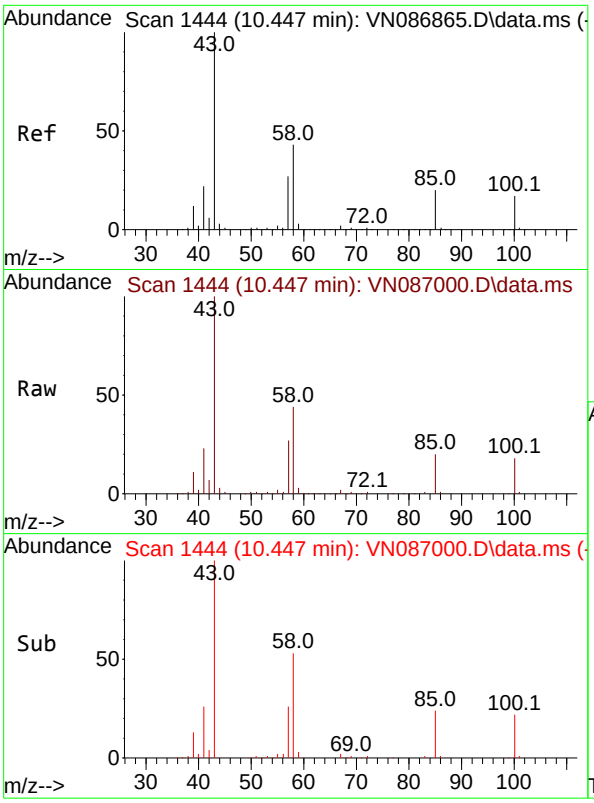


#50
Toluene-d8
Concen: 48.506 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 98 Resp: 390057

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.4	80.0



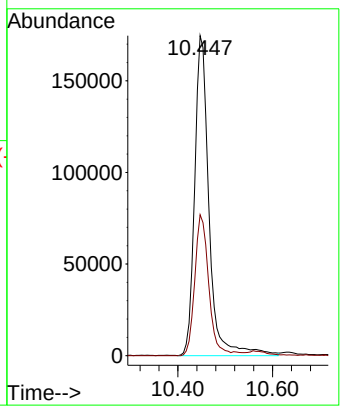


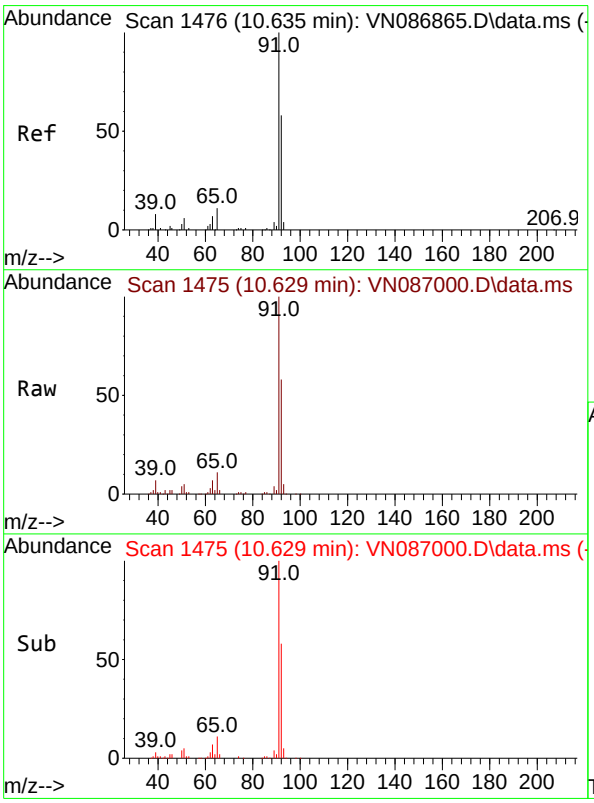
#51
4-Methyl-2-Pentanone
Concen: 99.165 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 43 Resp: 369197

Ion	Ratio	Lower	Upper
43	100		
58	42.4	34.2	51.4

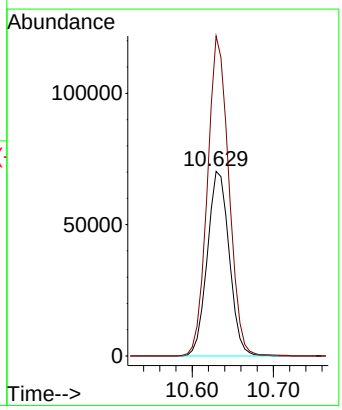


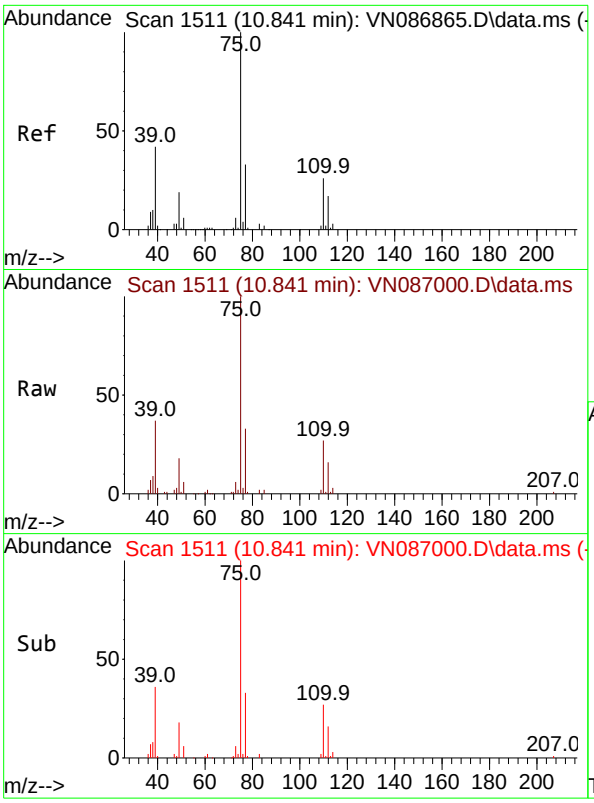


#52
Toluene
Concen: 21.764 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 92 Resp: 131650

Ion	Ratio	Lower	Upper
92	100		
91	169.7	136.5	204.7



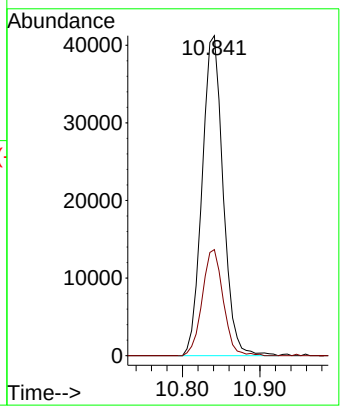


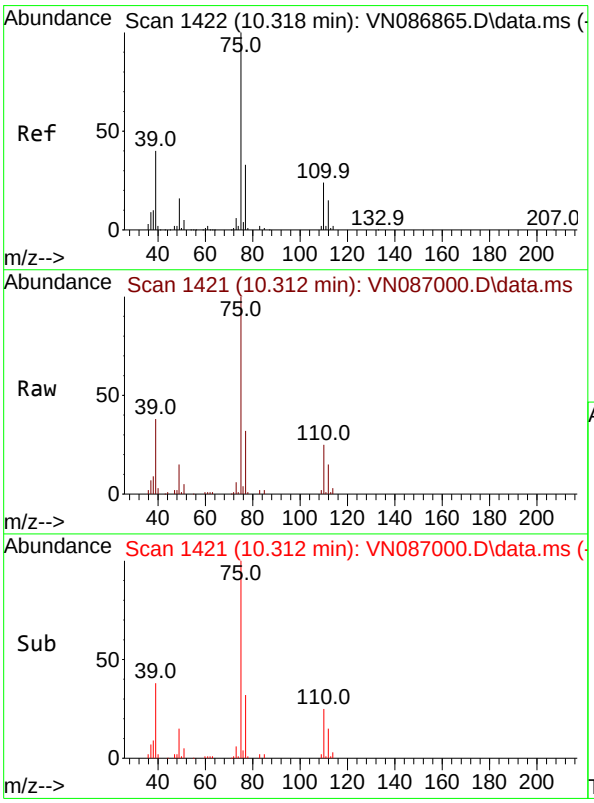
#53
t-1,3-Dichloropropene
Concen: 21.076 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 75 Resp: 77555

Ion	Ratio	Lower	Upper
75	100		
77	33.2	26.4	39.6

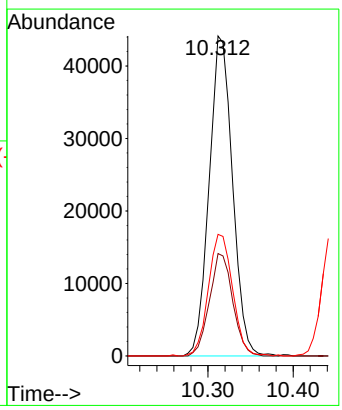


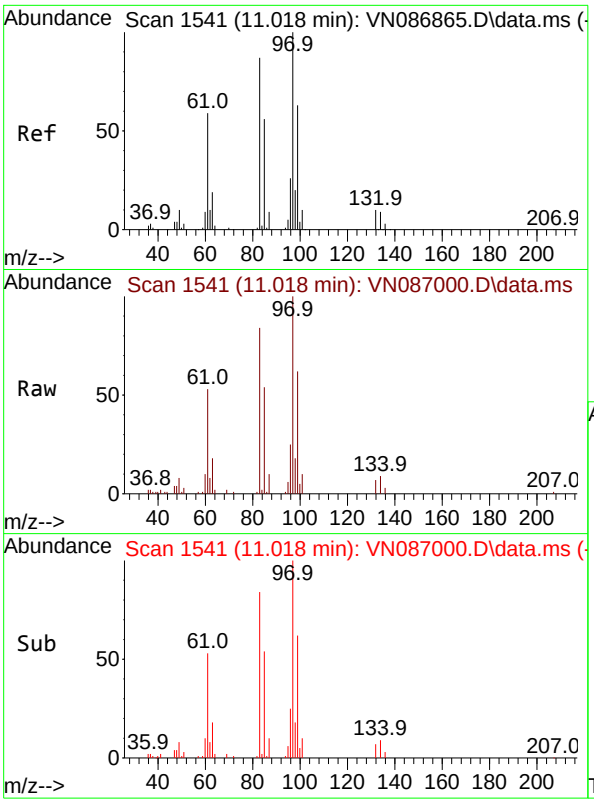


#54
cis-1,3-Dichloropropene
Concen: 21.333 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 75 Resp: 83996

Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.2	39.4
39	38.0	32.3	48.5



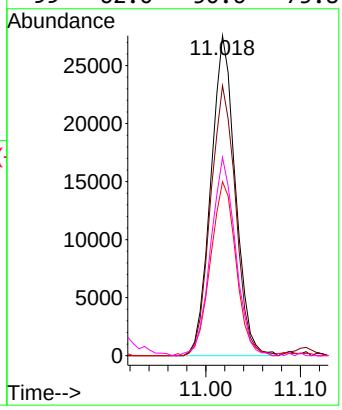


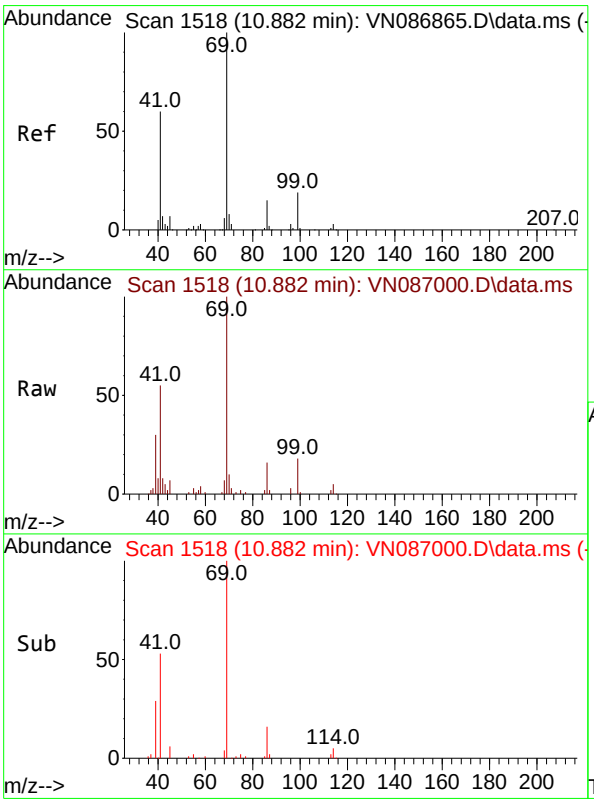
#55
1,1,2-Trichloroethane
Concen: 21.297 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 97 Resp: 49569

Ion	Ratio	Lower	Upper
97	100		
83	84.4	69.7	104.5
85	54.4	45.1	67.7
99	62.0	50.6	75.8

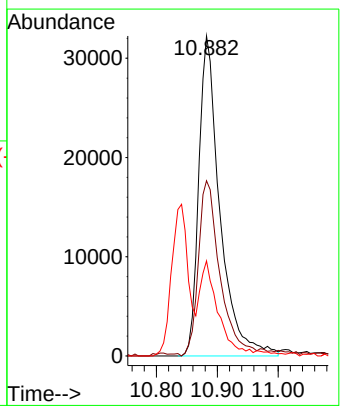


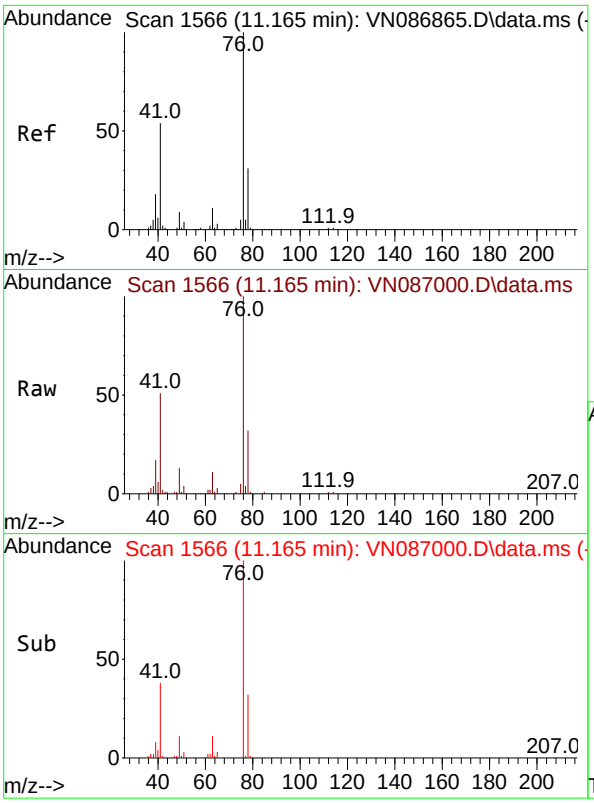


#56
Ethyl methacrylate
Concen: 20.928 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 69 Resp: 77585

Ion	Ratio	Lower	Upper
69	100		
41	56.0	47.2	70.8
39	25.5	23.0	34.6



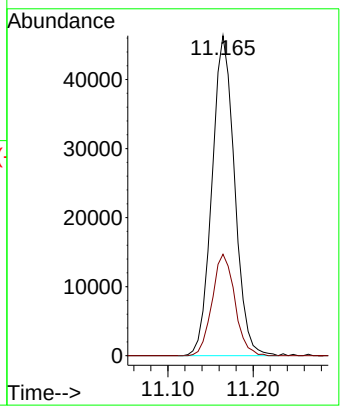


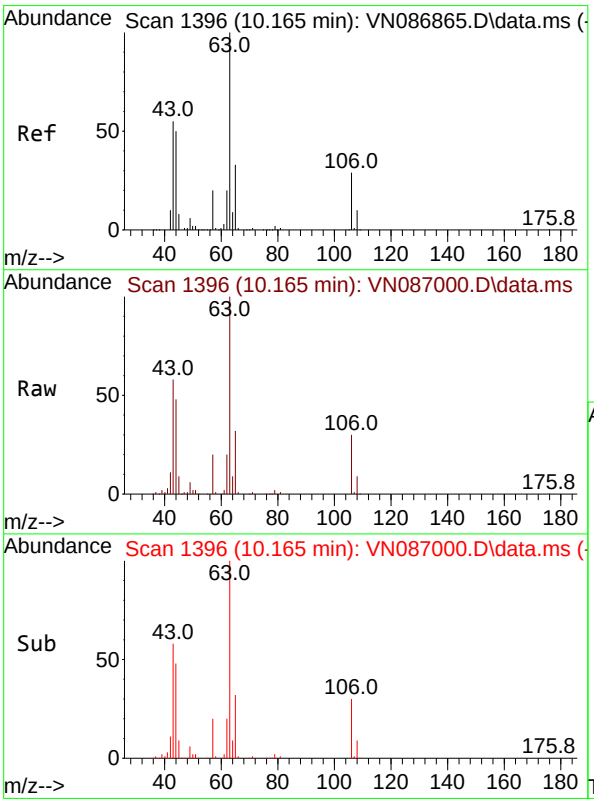
#57
1,3-Dichloropropane
Concen: 21.141 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 76 Resp: 85360

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.3	37.9

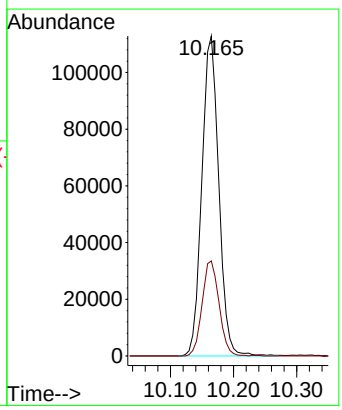


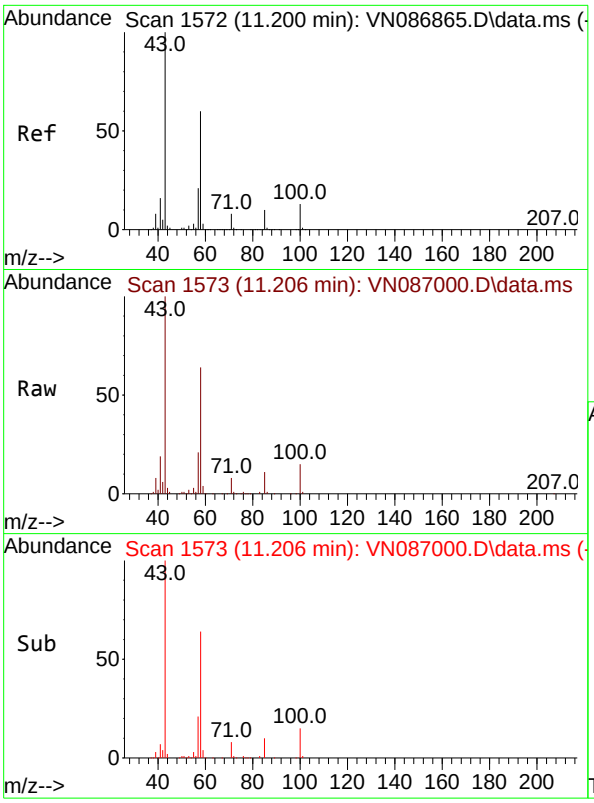


#58
2-Chloroethyl Vinyl ether
Concen: 94.760 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 63 Resp: 209528

Ion	Ratio	Lower	Upper
63	100		
106	29.7	23.0	34.6



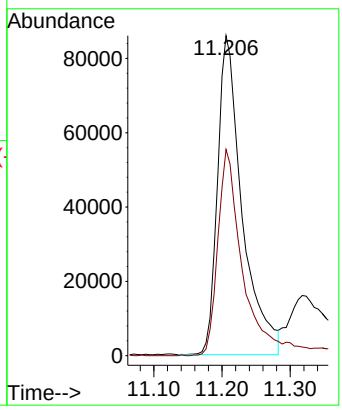


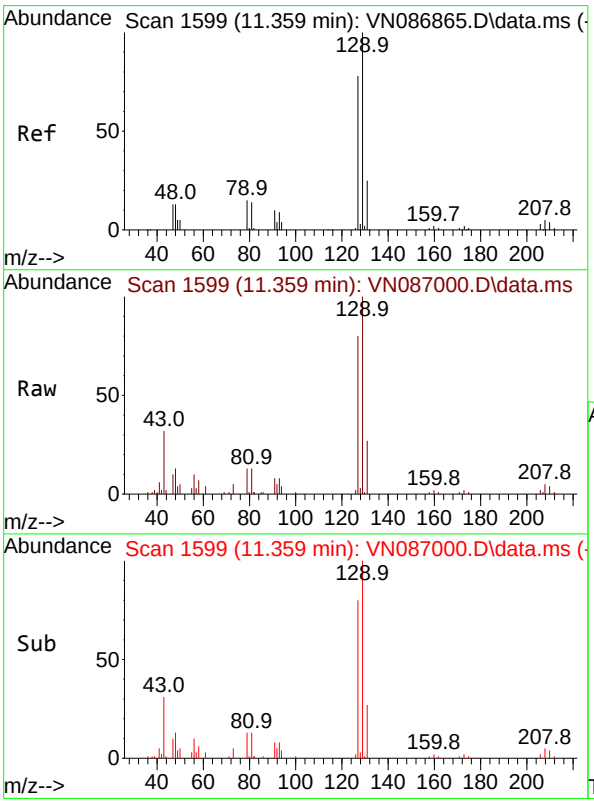
#59
2-Hexanone
Concen: 89.728 ug/l
RT: 11.206 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 43 Resp: 215181

Ion	Ratio	Lower	Upper
43	100		
58	66.2	30.4	91.3

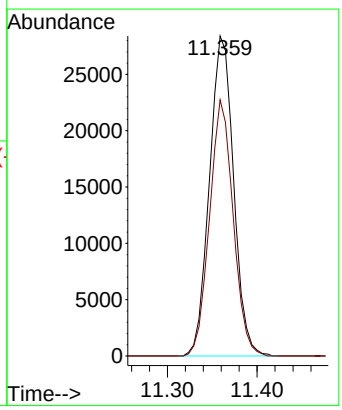


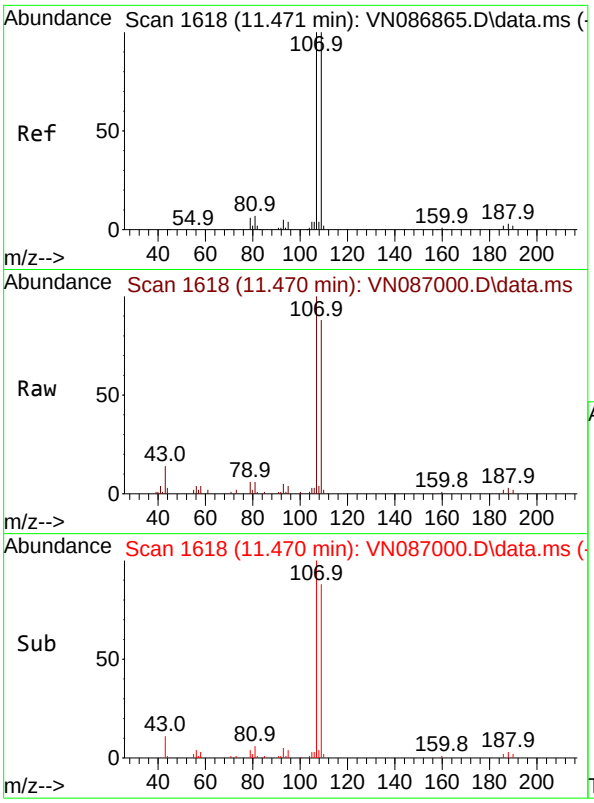


#60
Dibromochloromethane
Concen: 21.878 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:129 Resp: 53055

Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.6	115.8



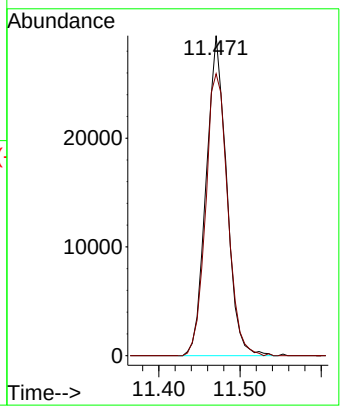


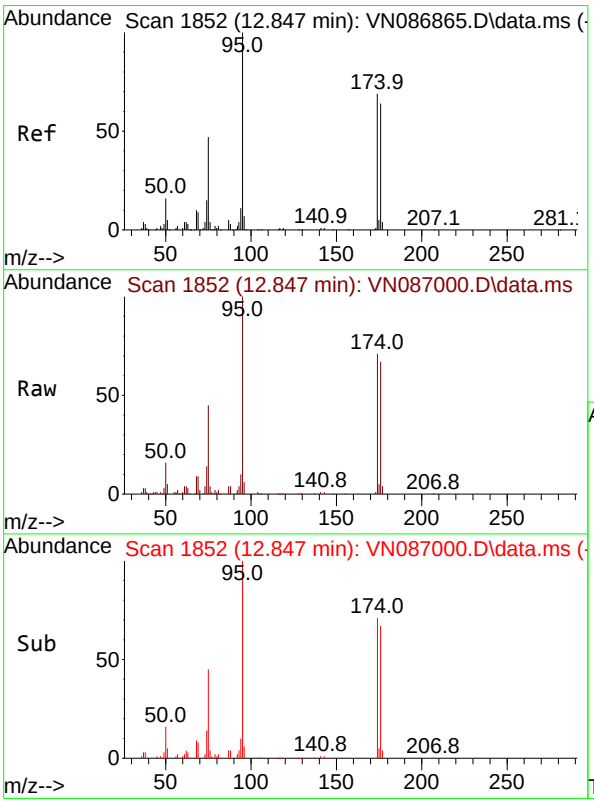
#61
1,2-Dibromoethane
Concen: 21.576 ug/l
RT: 11.470 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion:107 Resp: 51474

Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.3	114.5

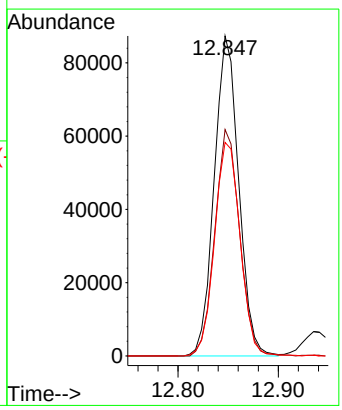


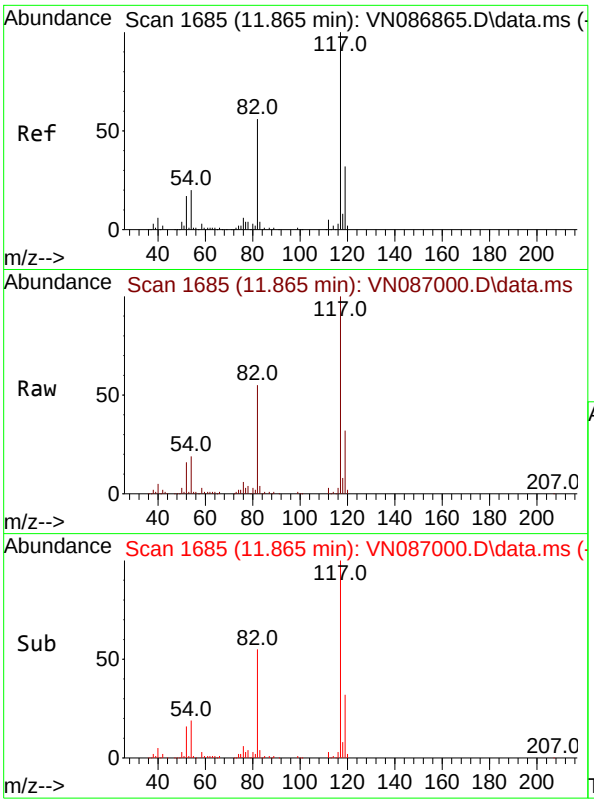


#62
4-Bromofluorobenzene
Concen: 49.545 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 95 Resp: 148021

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	141.8
176	69.9	0.0	132.6



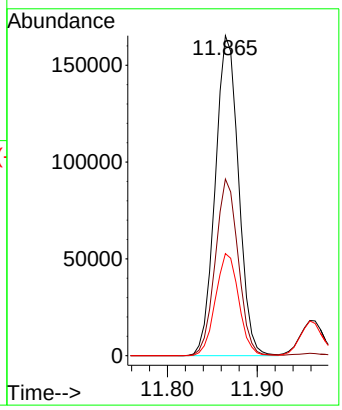


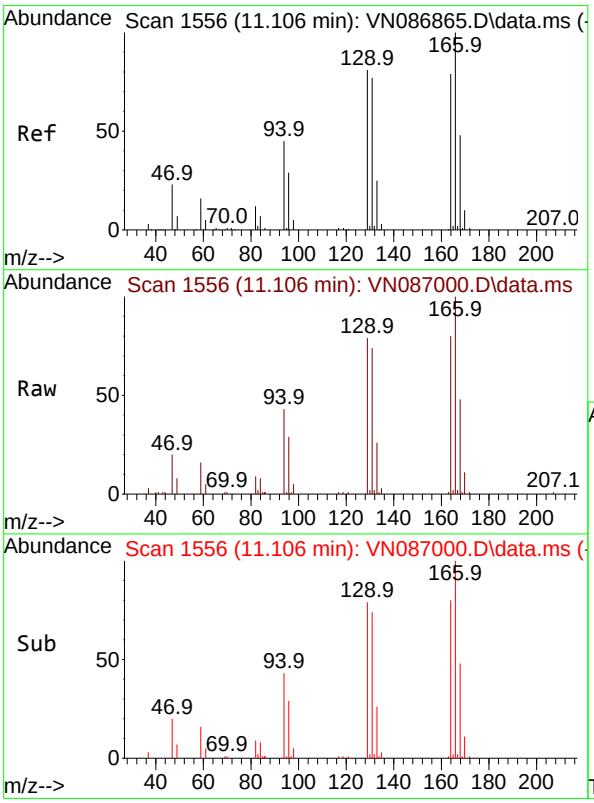
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion:117 Resp: 297937

Ion	Ratio	Lower	Upper
117	100		
82	55.2	44.6	67.0
119	31.9	25.5	38.3

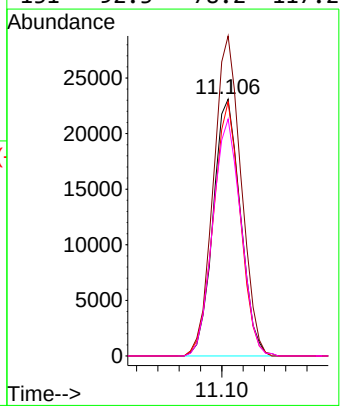


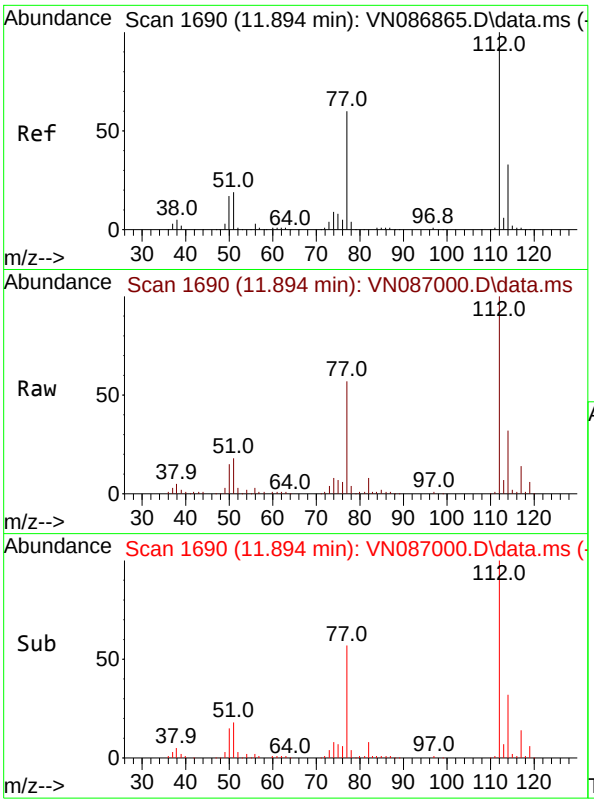


#64
Tetrachloroethene
Concen: 21.749 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:164 Resp: 41009

Ion	Ratio	Lower	Upper
164	100		
166	124.6	101.8	152.8
129	99.0	83.0	124.4
131	92.3	78.2	117.2



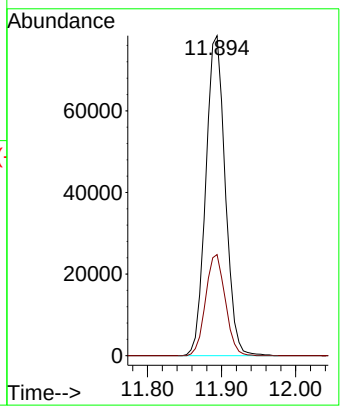


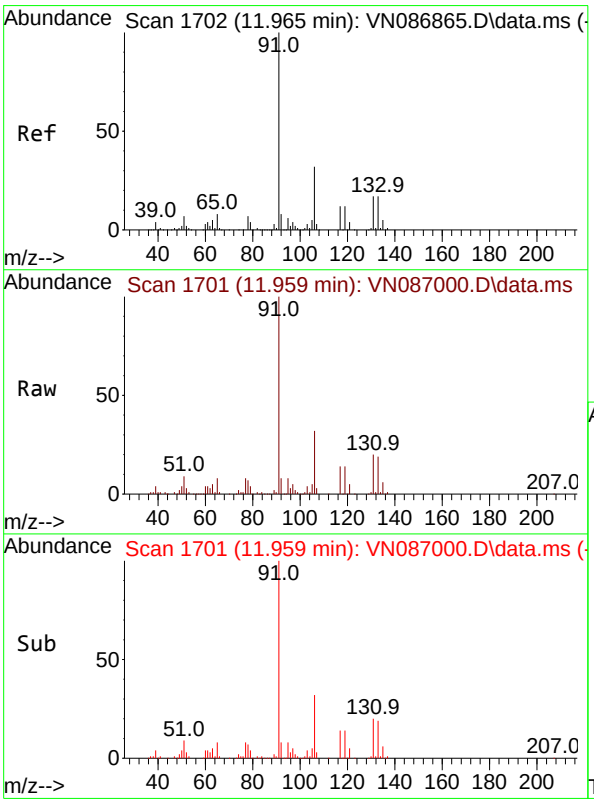
#65
Chlorobenzene
Concen: 21.690 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion:112 Resp: 142528

Ion	Ratio	Lower	Upper
112	100		
114	31.6	26.2	39.2

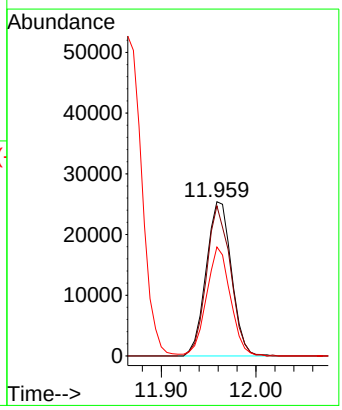


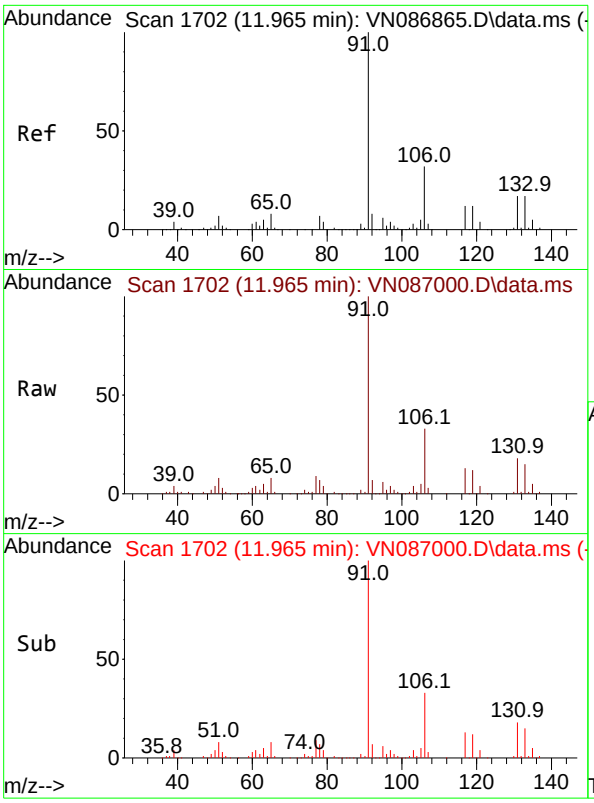


#66
1,1,1,2-Tetrachloroethane
Concen: 22.303 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:131 Resp: 47110

Ion	Ratio	Lower	Upper
131	100		
133	92.6	48.3	144.8
119	66.6	34.0	101.8



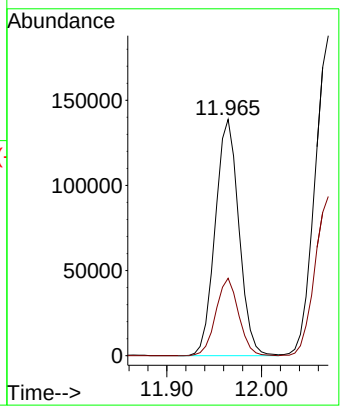


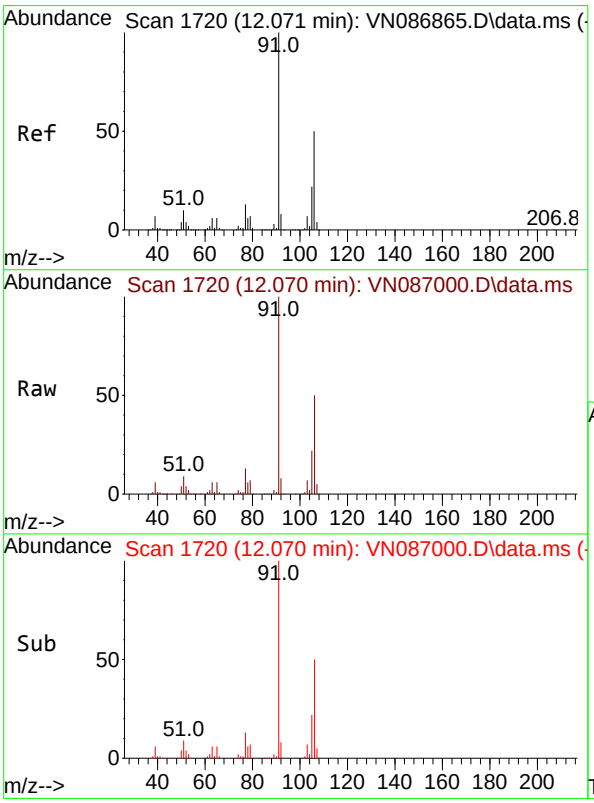
#67
Ethyl Benzene
Concen: 21.311 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 91 Resp: 241208

Ion	Ratio	Lower	Upper
91	100		
106	32.8	25.4	38.2

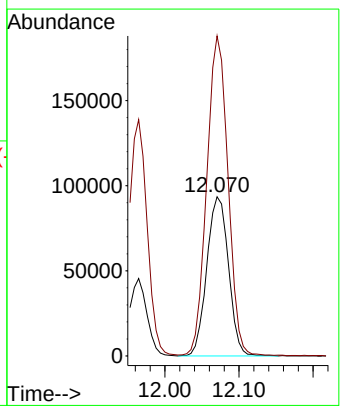


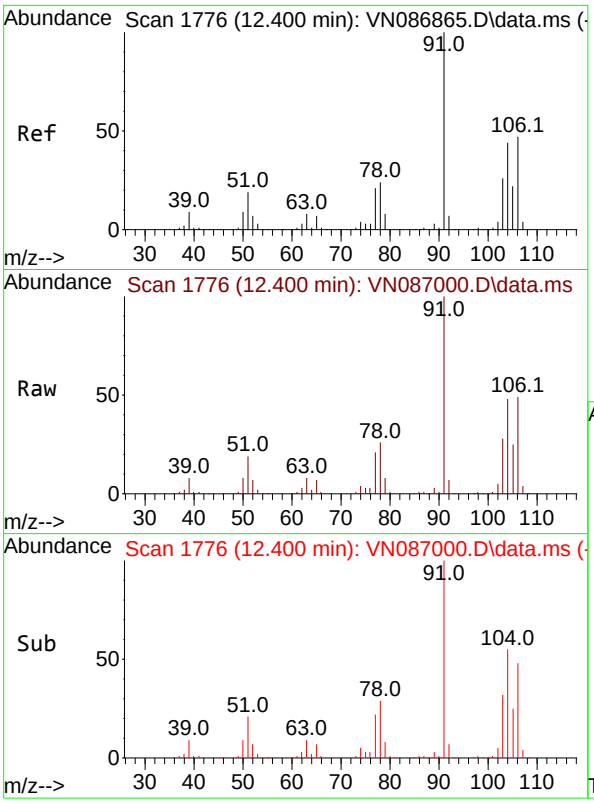


#68
m/p-Xylenes
Concen: 43.908 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:106 Resp: 190243

Ion	Ratio	Lower	Upper
106	100		
91	196.4	159.4	239.0



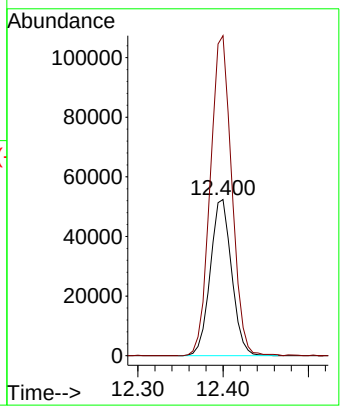


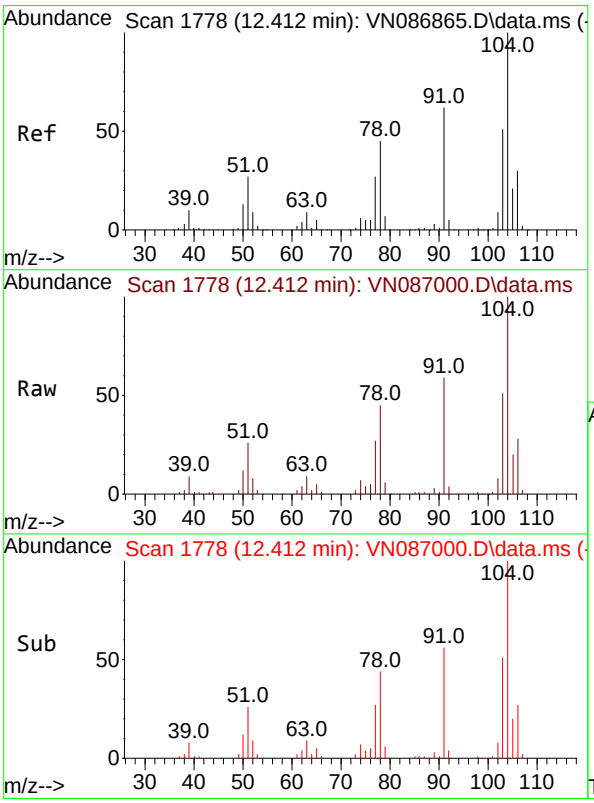
#69
o-Xylene
Concen: 21.969 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion:106 Resp: 91163

Ion	Ratio	Lower	Upper
106	100		
91	206.3	106.1	318.1

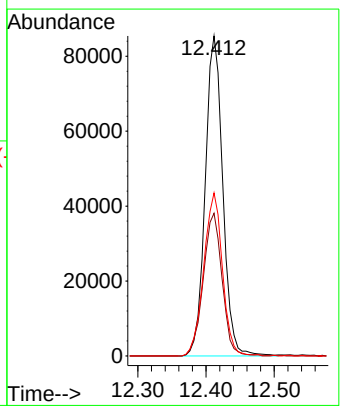


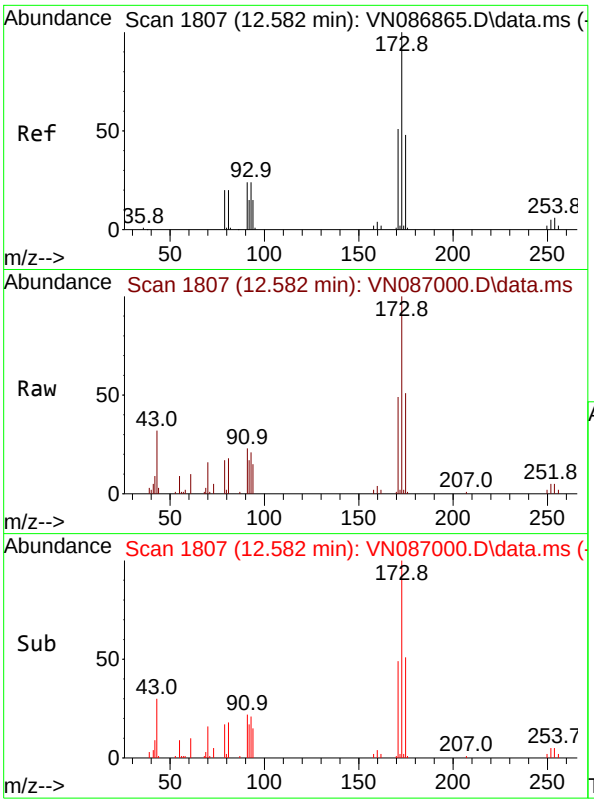


#70
Styrene
Concen: 21.602 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:104 Resp: 153392

Ion	Ratio	Lower	Upper
104	100		
78	47.9	38.5	57.7
103	54.2	43.1	64.7



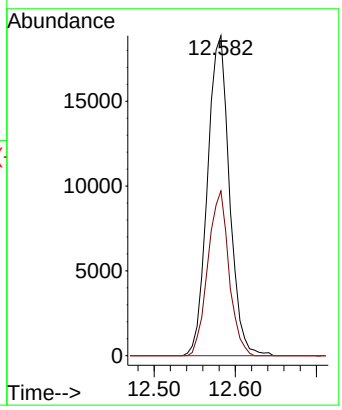


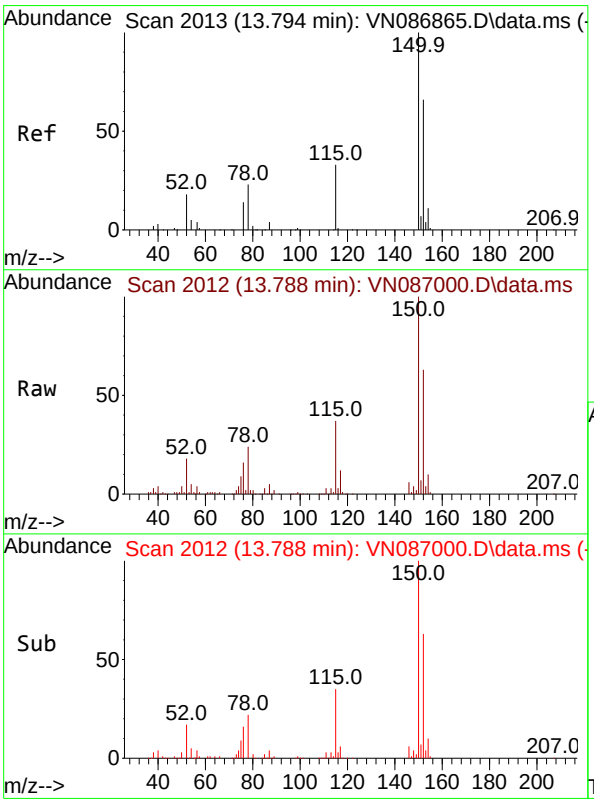
#71
Bromoform
Concen: 22.662 ug/l
RT: 12.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion:173 Resp: 35468

Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.1	72.4
254	0.0	0.0	0.0

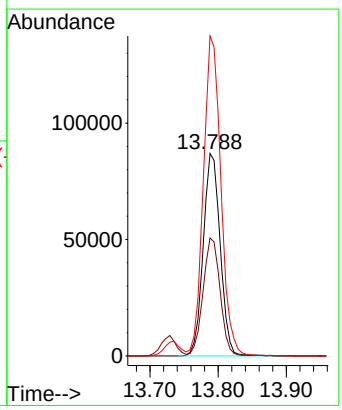


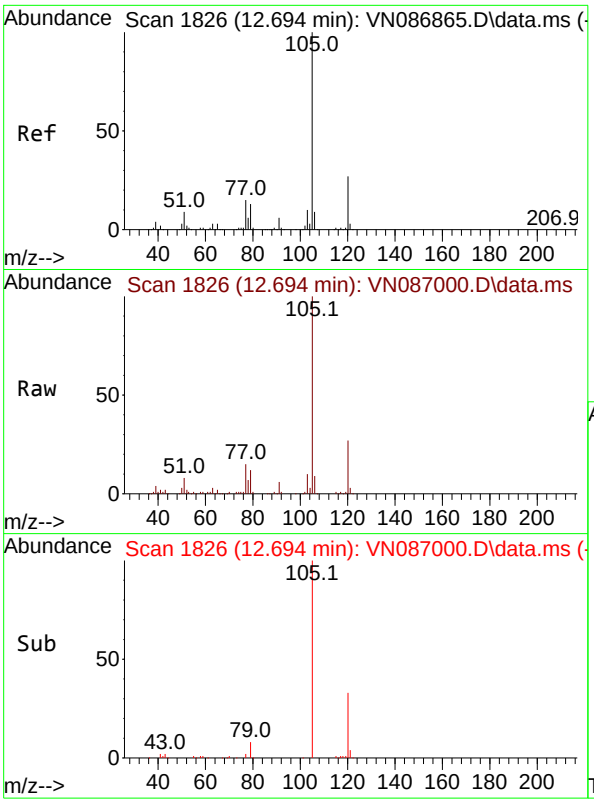


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:152 Resp: 150656

Ion	Ratio	Lower	Upper
152	100		
115	58.0	30.1	90.5
150	163.6	0.0	345.0



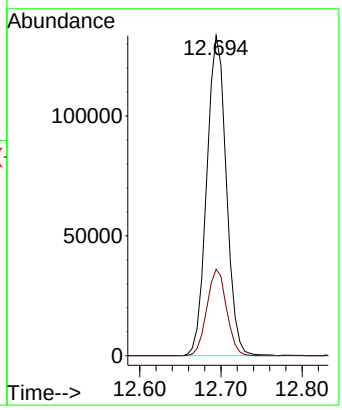


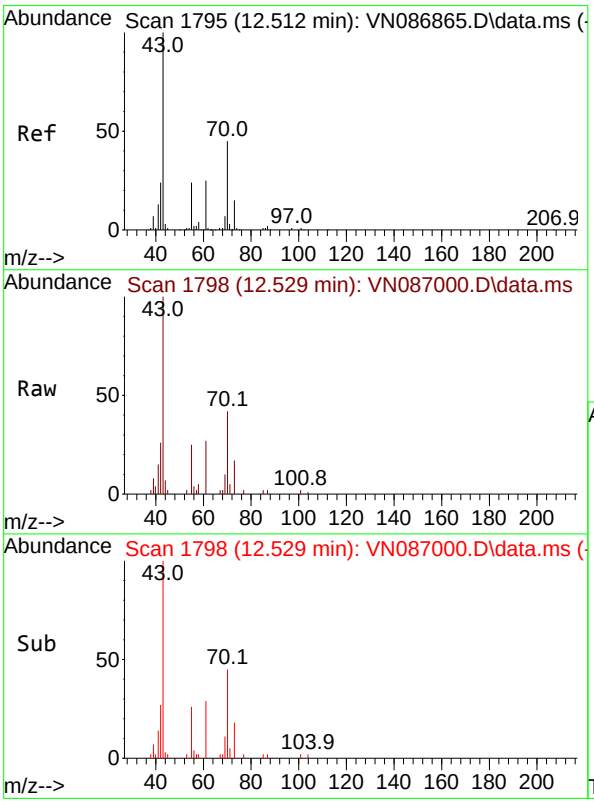
#73
Isopropylbenzene
Concen: 20.334 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion:105 Resp: 223178

Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.5	40.4

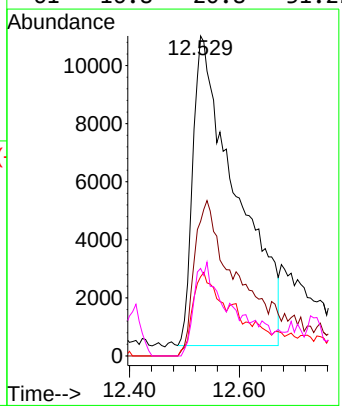


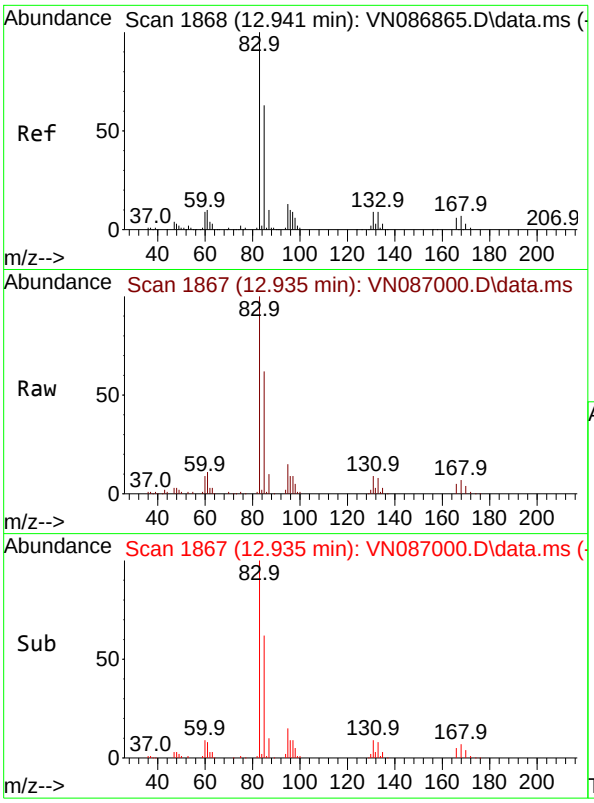


#74
N-amyl acetate
Concen: 15.245 ug/l
RT: 12.529 min Scan# 1798
Delta R.T. 0.017 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 43 Resp: 58468

Ion	Ratio	Lower	Upper
43	100		
70	47.6	37.6	56.4
55	16.3	19.0	28.6#
61	16.8	20.8	31.2#



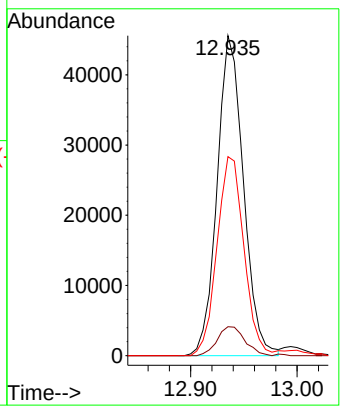


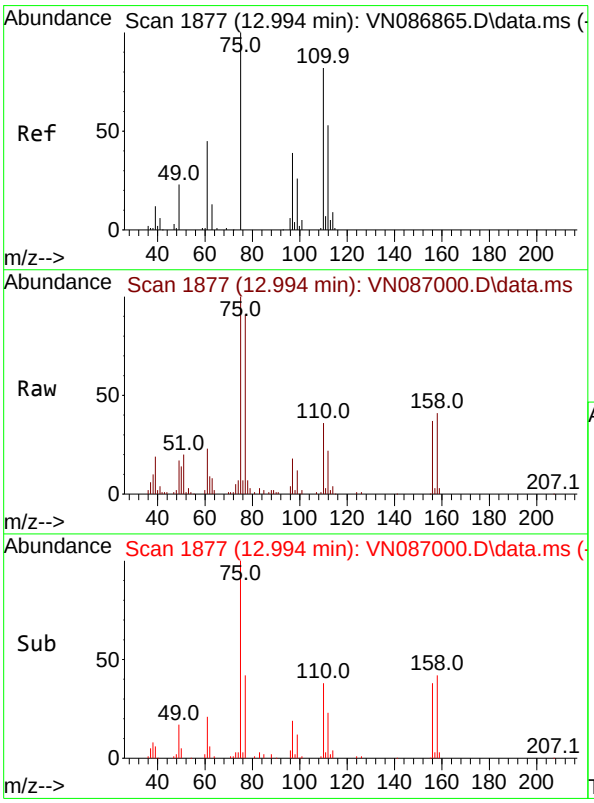
#75
1,1,2,2-Tetrachloroethane
Concen: 21.038 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 83 Resp: 78224

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	63.5	32.0	96.0

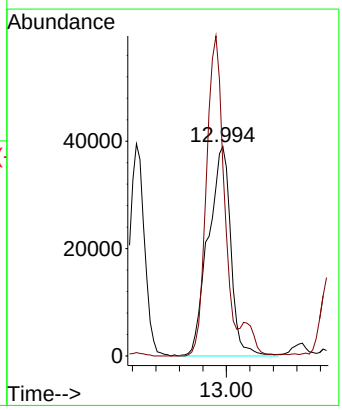


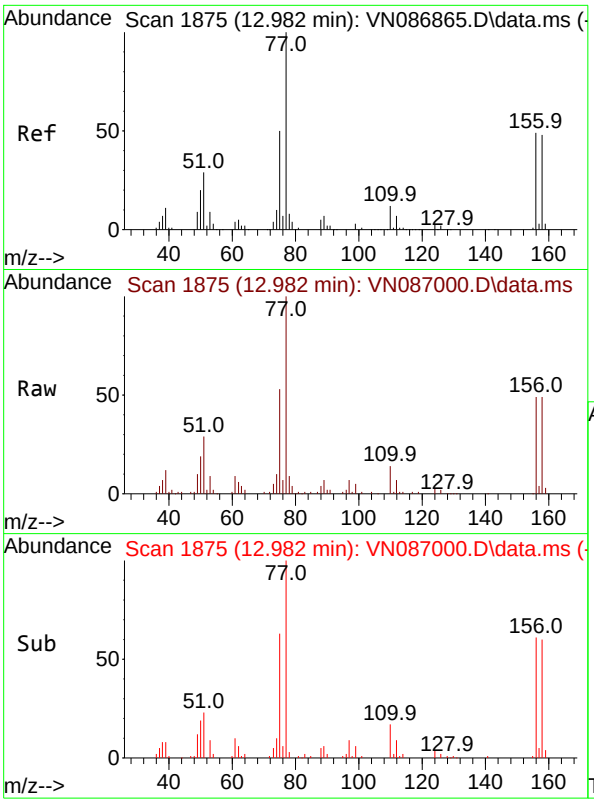


#76
1,2,3-Trichloropropane
Concen: 29.034 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 75 Resp: 103974

Ion	Ratio	Lower	Upper
75	100		
77	118.2	79.3	237.9



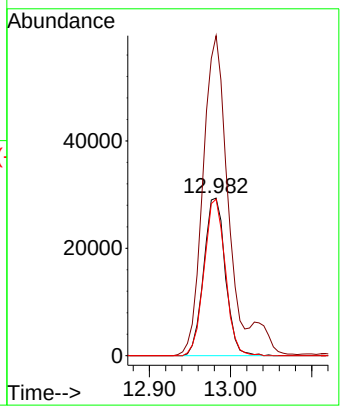


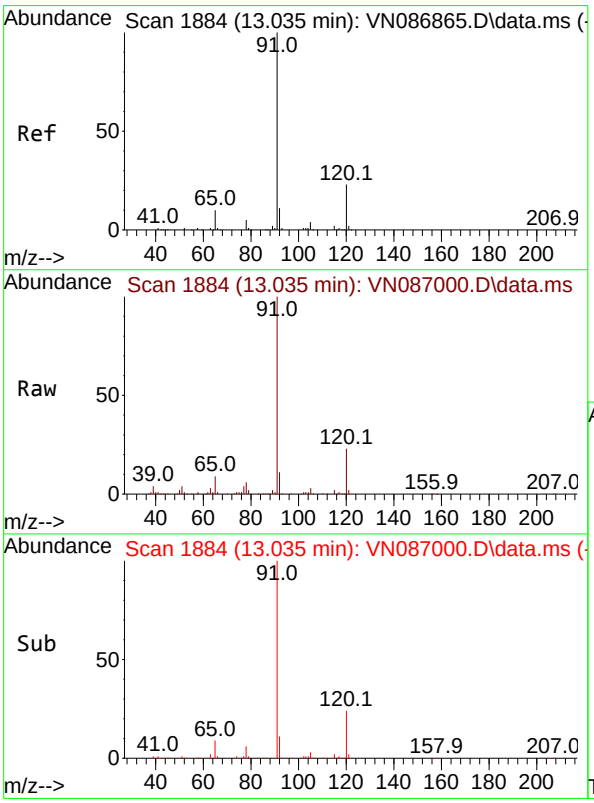
#77
Bromobenzene
Concen: 21.546 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion:156 Resp: 54231

Ion	Ratio	Lower	Upper
156	100		
77	226.5	117.7	353.1
158	97.7	48.1	144.4

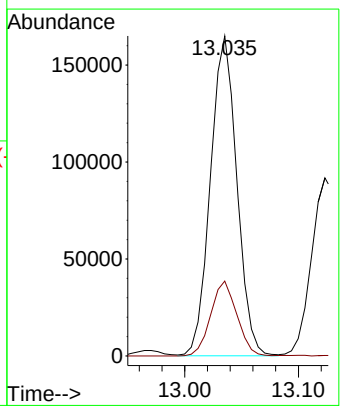


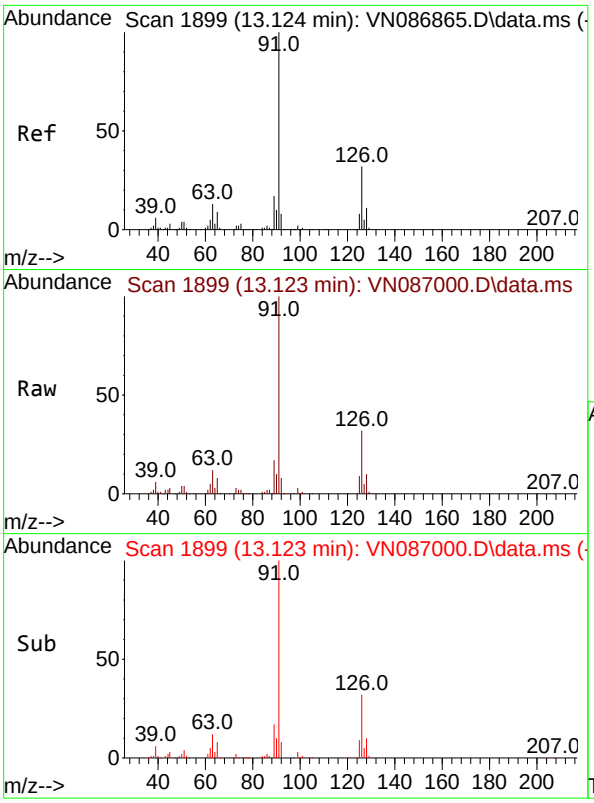


#78
n-propylbenzene
Concen: 19.994 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 91 Resp: 266686

Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.4	34.2



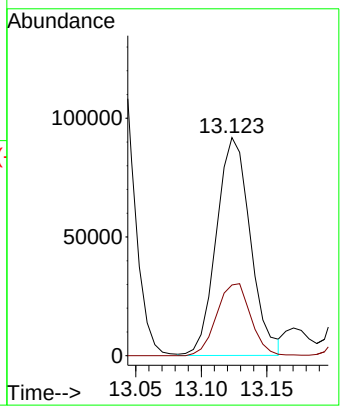


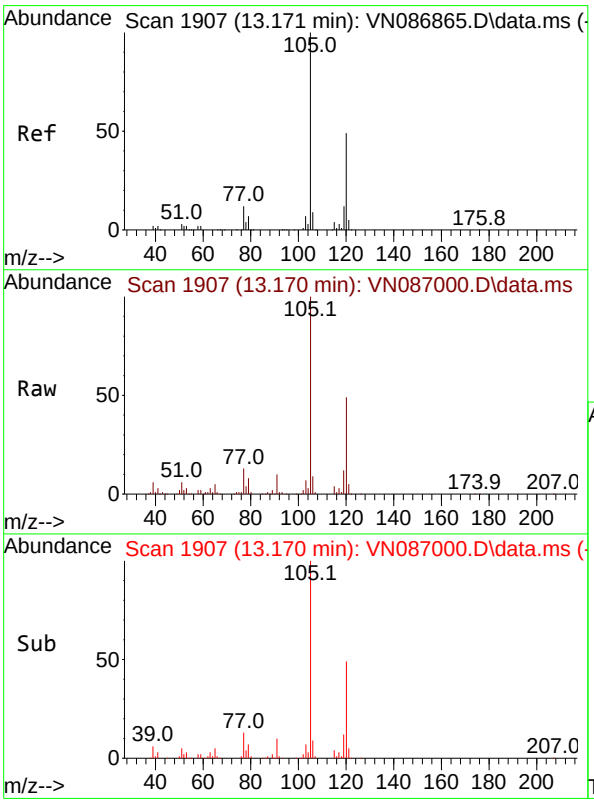
#79
2-Chlorotoluene
Concen: 20.677 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 91 Resp: 165392

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.2	48.5

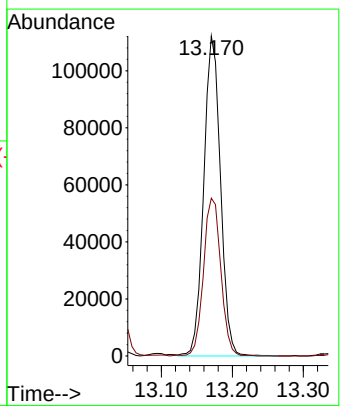


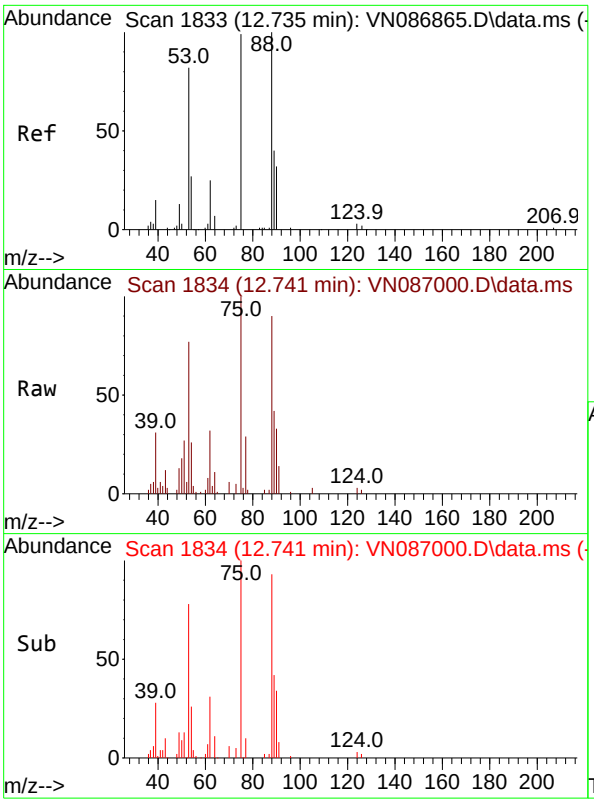


#80
1,3,5-Trimethylbenzene
Concen: 20.303 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:105 Resp: 183973

Ion	Ratio	Lower	Upper
105	100		
120	51.1	24.9	74.6



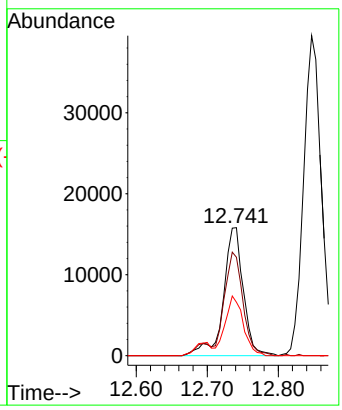


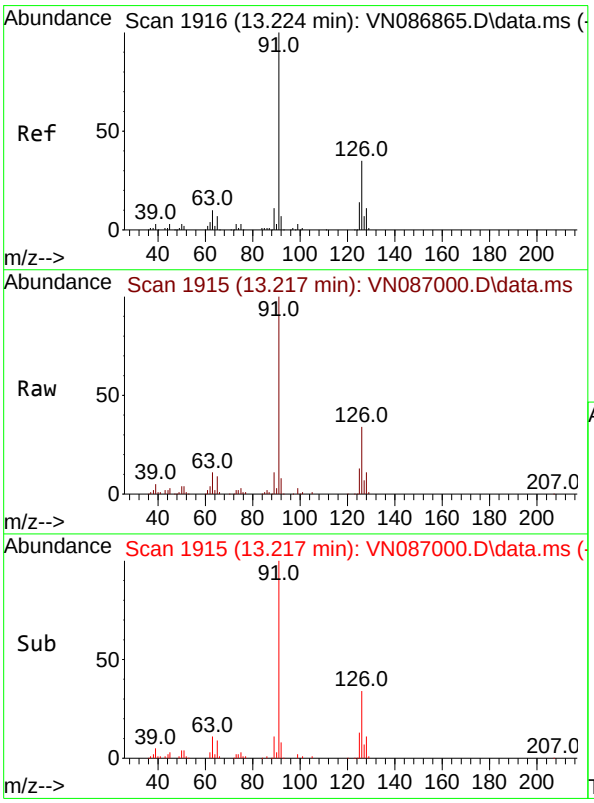
#81
trans-1,4-Dichloro-2-butene
Concen: 19.814 ug/l
RT: 12.741 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 75 Resp: 30824

Ion	Ratio	Lower	Upper
75	100		
53	75.3	66.6	99.8
89	42.9	36.7	55.1

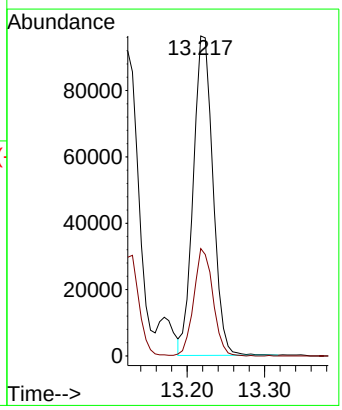


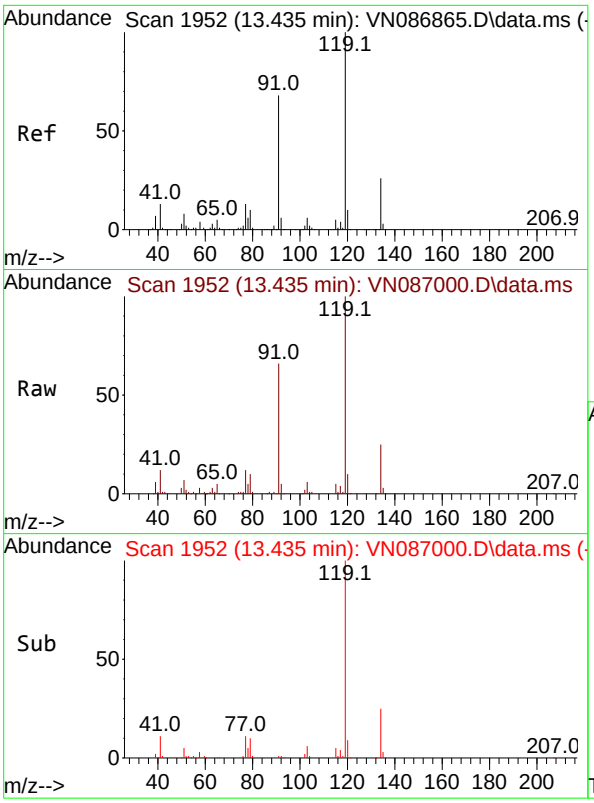


#82
4-Chlorotoluene
Concen: 20.919 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 91 Resp: 169312

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.7	50.1



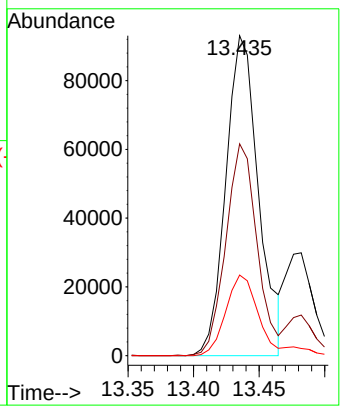


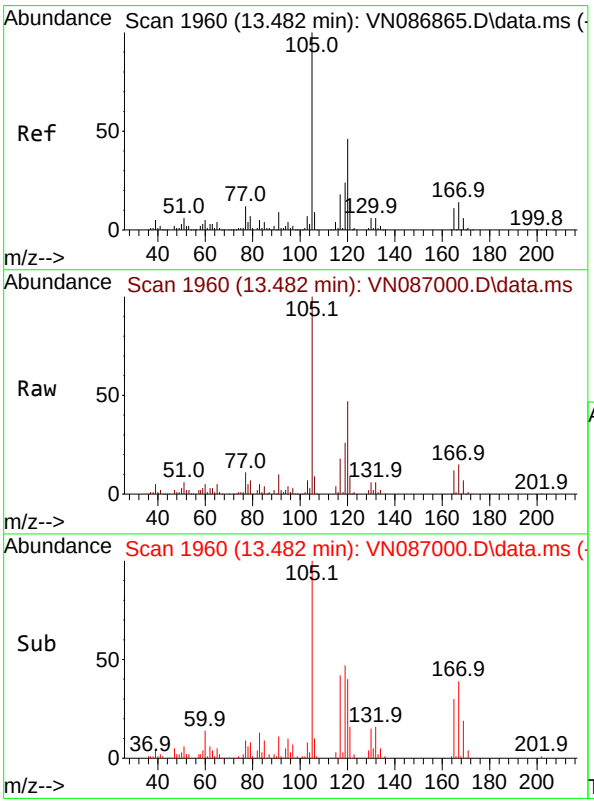
#83
tert-Butylbenzene
Concen: 19.462 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion:119 Resp: 161431

Ion	Ratio	Lower	Upper
119	100		
91	63.3	32.1	96.5
134	26.7	13.4	40.1

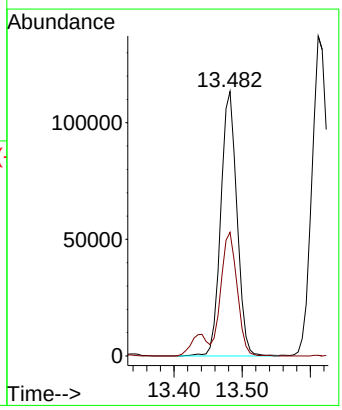


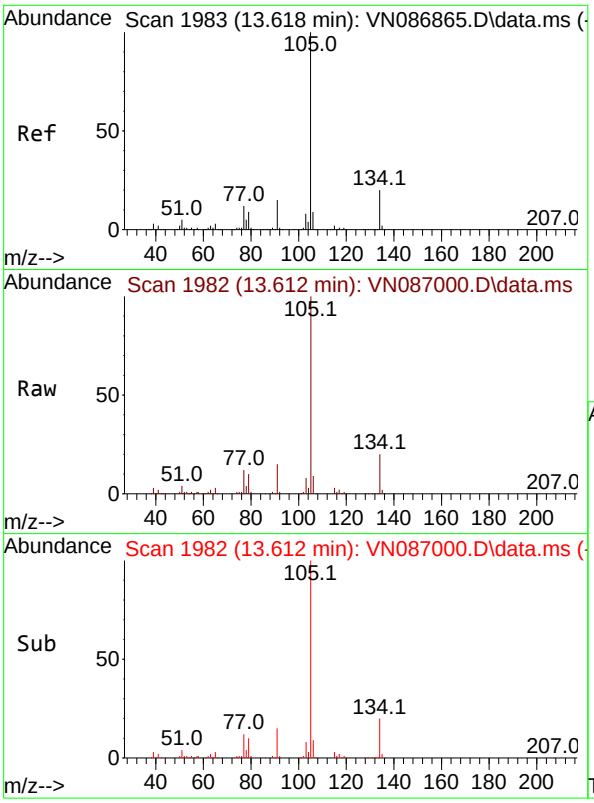


#84
1,2,4-Trimethylbenzene
Concen: 20.570 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:105 Resp: 186915

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.2	69.6



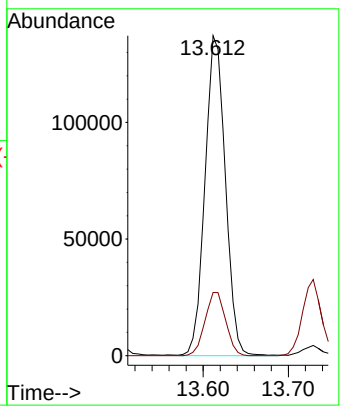


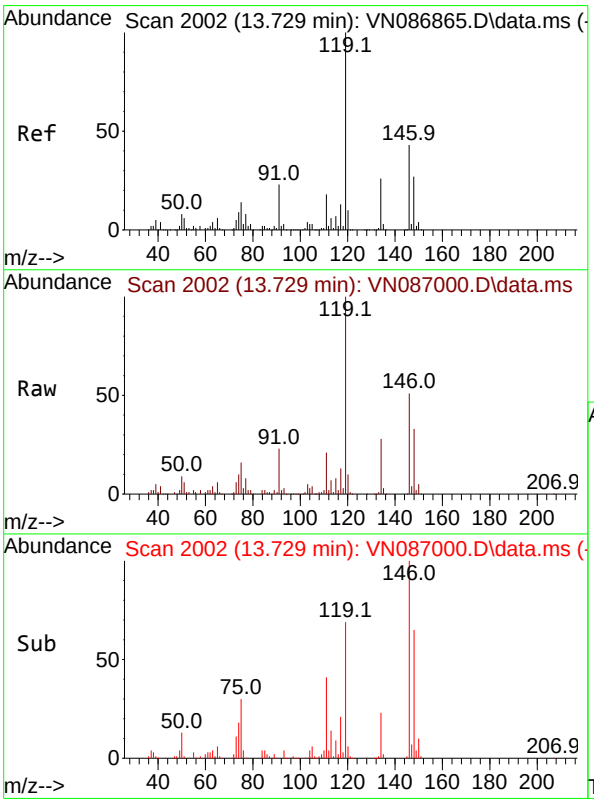
#85
sec-Butylbenzene
Concen: 18.936 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion:105 Resp: 228099

Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	30.0

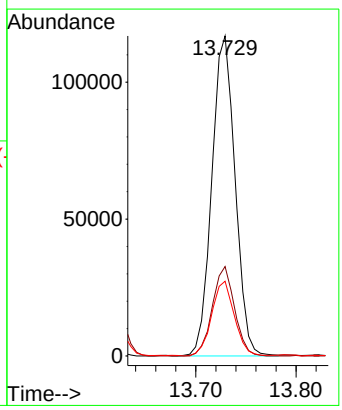


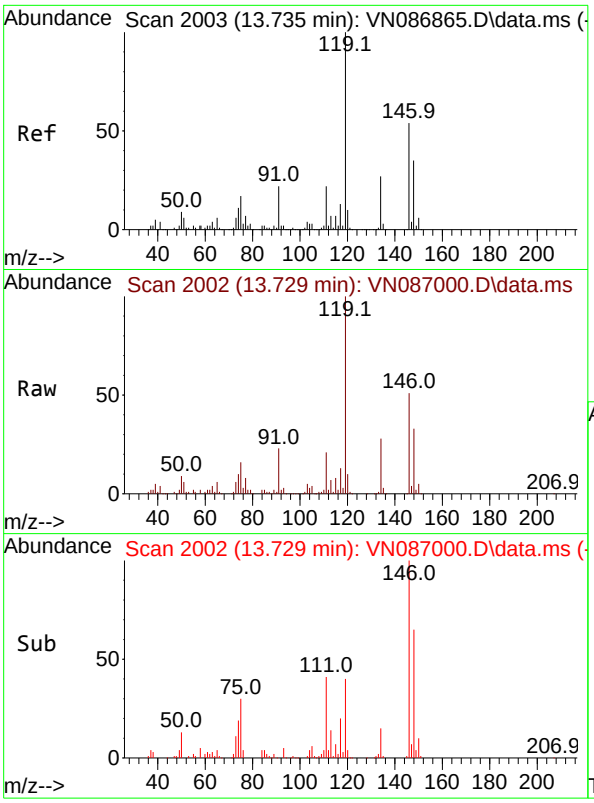


#86
p-Isopropyltoluene
Concen: 18.941 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:119 Resp: 188601

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.5	40.4
91	22.9	11.5	34.4



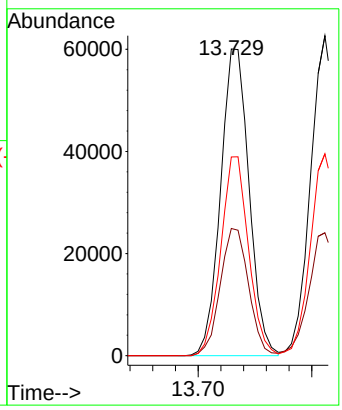


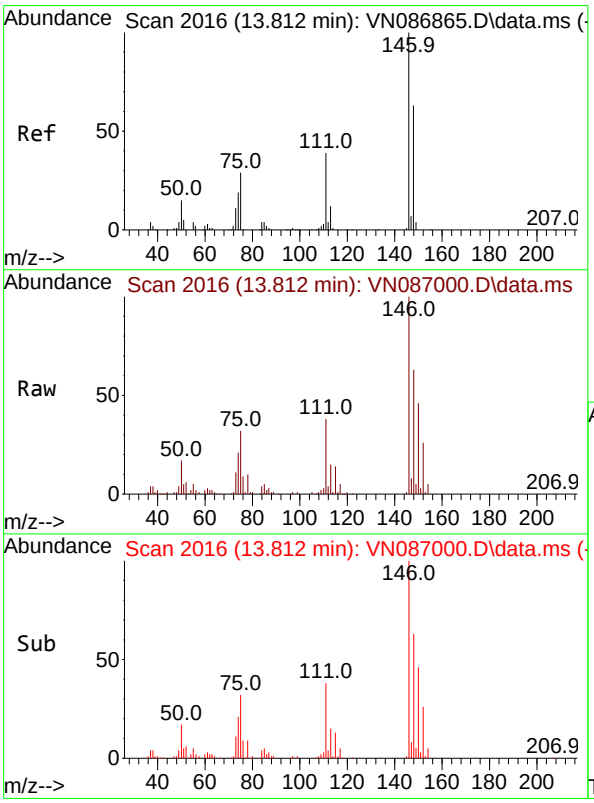
#87
1,3-Dichlorobenzene
Concen: 21.151 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion:146 Resp: 104746

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.9	62.8
148	63.2	32.0	96.2

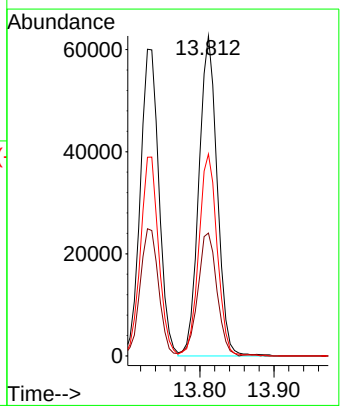


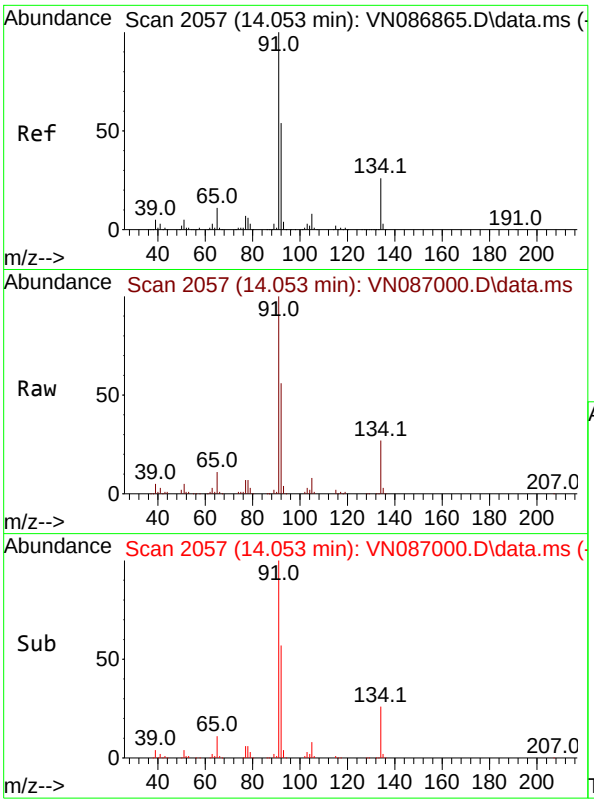


#88
1,4-Dichlorobenzene
Concen: 21.274 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:146 Resp: 107411

Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.9	59.7
148	63.3	31.8	95.4



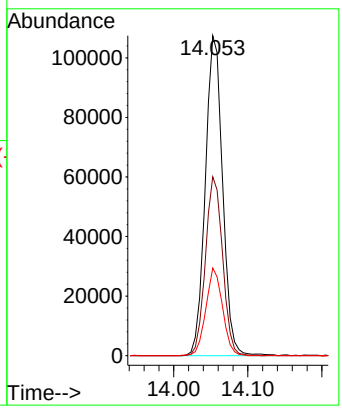


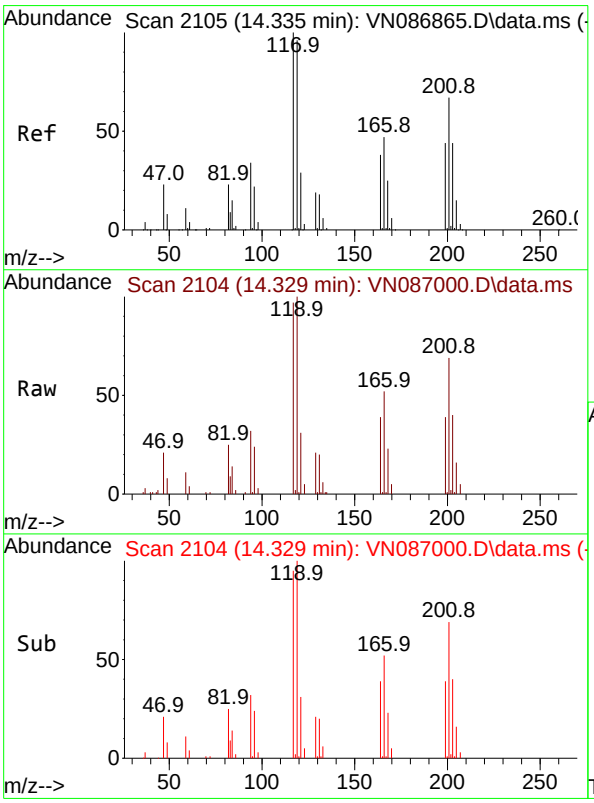
#89
n-Butylbenzene
Concen: 18.041 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion: 91 Resp: 173997

Ion	Ratio	Lower	Upper
91	100		
92	55.5	27.5	82.4
134	26.4	13.0	39.0

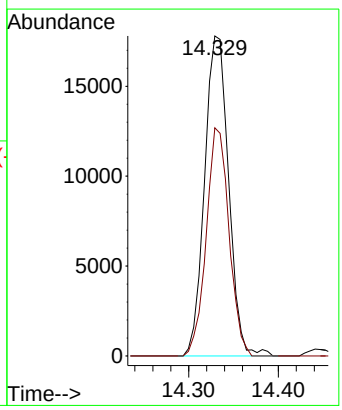


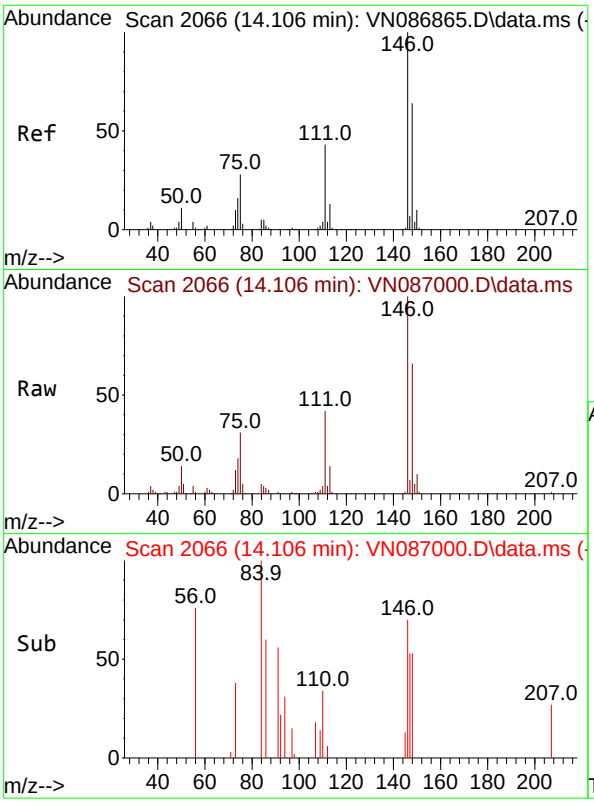


#90
Hexachloroethane
Concen: 19.603 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:117 Resp: 33086

Ion	Ratio	Lower	Upper
117	100		
201	67.6	33.2	99.6



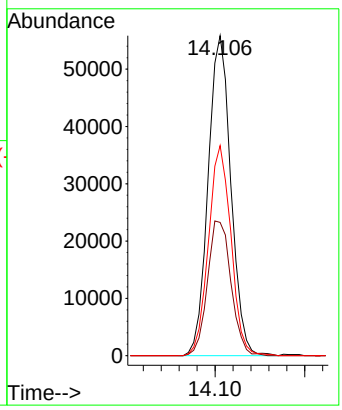


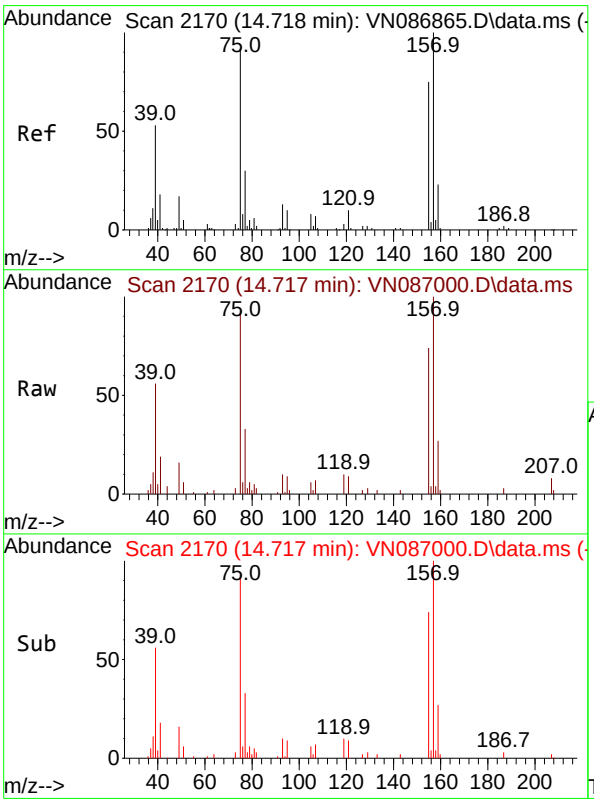
#91
1,2-Dichlorobenzene
Concen: 20.655 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion:146 Resp: 98273

Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.6	64.6
148	64.9	31.7	95.1

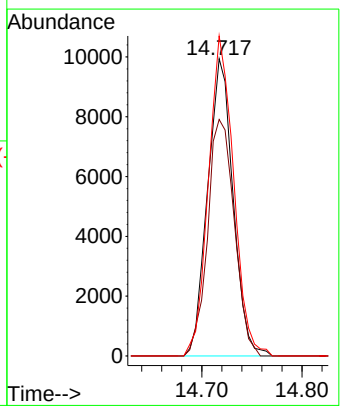


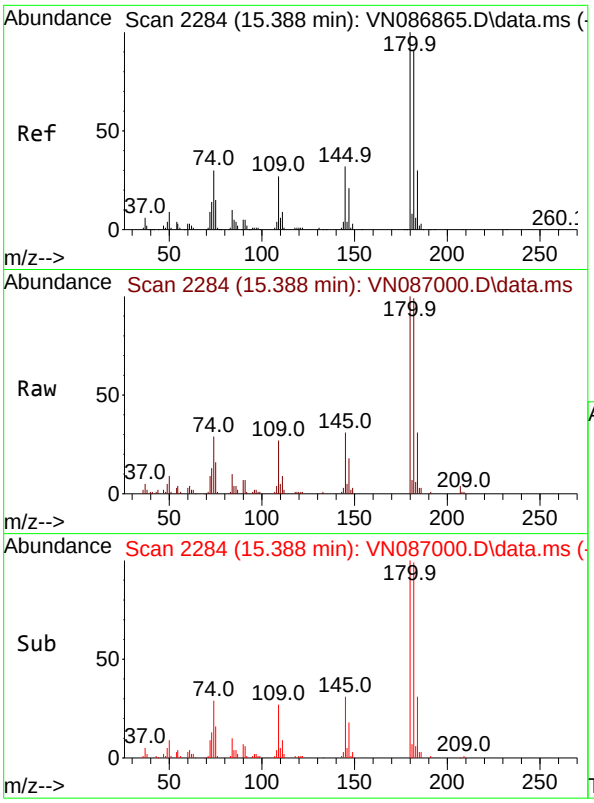


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.687 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion: 75 Resp: 17506

Ion	Ratio	Lower	Upper
75	100		
155	83.6	41.1	123.4
157	106.8	52.7	158.1



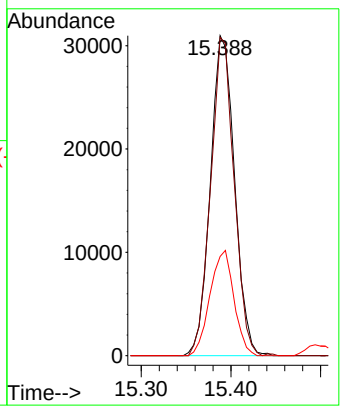


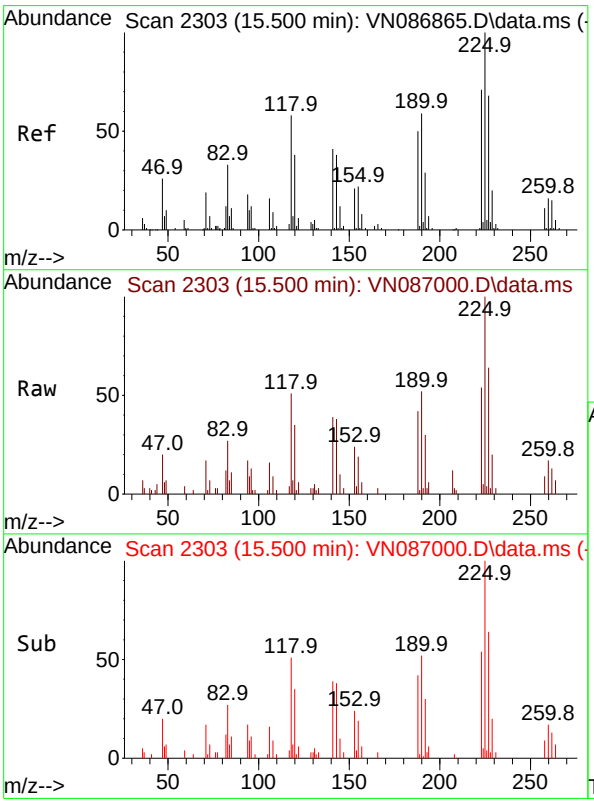
#93
1,2,4-Trichlorobenzene
Concen: 19.074 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion:180 Resp: 57950

Ion	Ratio	Lower	Upper
180	100		
182	96.3	46.9	140.7
145	32.6	16.0	47.9

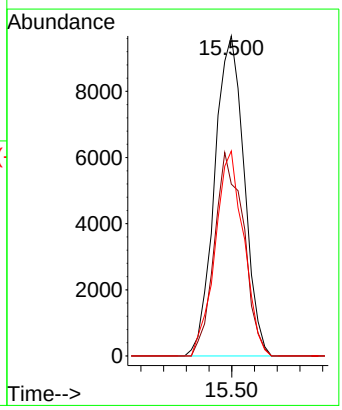


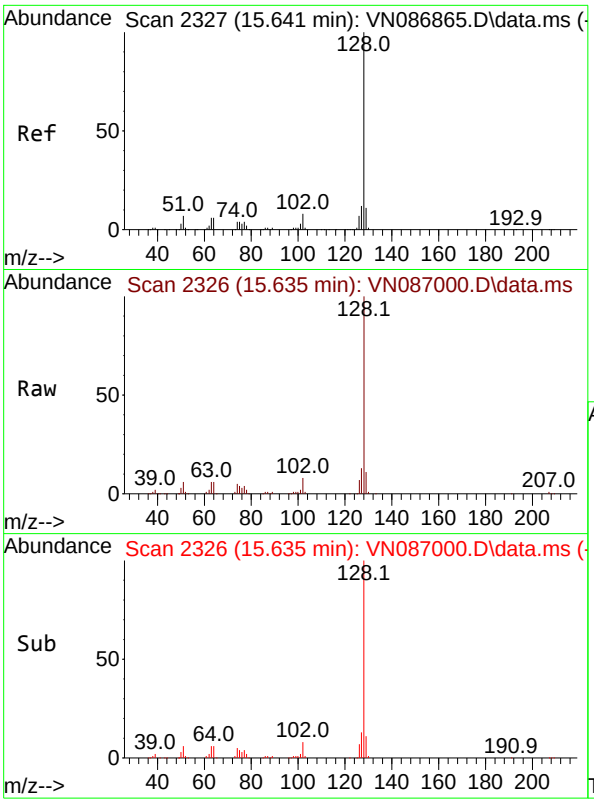


#94
Hexachlorobutadiene
Concen: 15.423 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:225 Resp: 17458

Ion	Ratio	Lower	Upper
225	100		
223	62.7	33.5	100.4
227	62.2	31.1	93.5



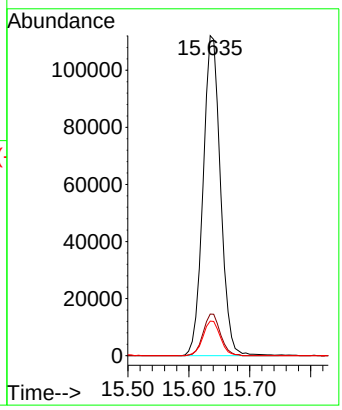


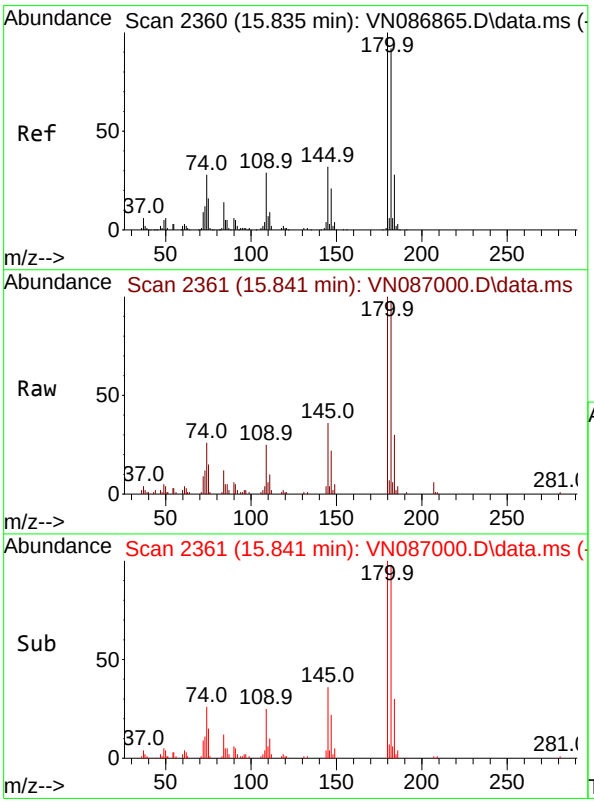
#95
Naphthalene
Concen: 19.701 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBS01

Tgt Ion:128 Resp: 222787

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.8	8.8	13.2

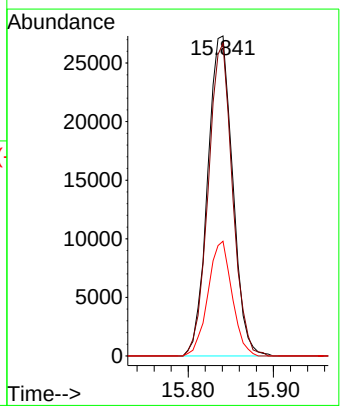




#96
1,2,3-Trichlorobenzene
Concen: 18.450 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN087000.D
Acq: 13 Jun 2025 14:32

Tgt Ion:180 Resp: 55693

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.0	141.0
145	34.5	16.6	49.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087001.D
Acq On : 13 Jun 2025 15:06
Operator : JC\MD
Sample : VN0613WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Quant Time: Jun 14 00:28:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	180967	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	323903	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	287455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	143189	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	116534	48.096	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.200%			
35) Dibromofluoromethane	8.177	113	99231	51.696	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.400%			
50) Toluene-d8	10.570	98	370479	48.754	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.500%			
62) 4-Bromofluorobenzene	12.847	95	142094	50.331	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	37953	21.034	ug/l	99
3) Chloromethane	2.400	50	43252	18.563	ug/l	98
4) Vinyl Chloride	2.553	62	53719	22.350	ug/l	97
5) Bromomethane	3.000	94	25049	18.623	ug/l	95
6) Chloroethane	3.153	64	34063	21.940	ug/l	95
7) Trichlorofluoromethane	3.530	101	67248	21.415	ug/l	100
8) Diethyl Ether	3.983	74	30162	22.045	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.400	101	42369	21.475	ug/l	99
10) Methyl Iodide	4.612	142	23237	9.086	ug/l	98
11) Tert butyl alcohol	5.541	59	67955	103.363	ug/l	98
12) 1,1-Dichloroethene	4.365	96	44954	22.318	ug/l	91
13) Acrolein	4.200	56	35622	171.174	ug/l	98
14) Allyl chloride	5.047	41	64592	19.336	ug/l	96
15) Acrylonitrile	5.741	53	160728	104.594	ug/l	100
16) Acetone	4.447	43	123697	96.269	ug/l	95
17) Carbon Disulfide	4.736	76	130578	23.437	ug/l	100
18) Methyl Acetate	5.047	43	64257	17.161	ug/l	97
19) Methyl tert-butyl Ether	5.818	73	154323	21.160	ug/l	99
20) Methylene Chloride	5.300	84	50756	21.099	ug/l	95
21) trans-1,2-Dichloroethene	5.806	96	47940	21.392	ug/l	95
22) Diisopropyl ether	6.688	45	145393	20.648	ug/l	99
23) Vinyl Acetate	6.618	43	646099	108.602	ug/l	98
24) 1,1-Dichloroethane	6.588	63	85045	20.987	ug/l	98
25) 2-Butanone	7.494	43	207598	99.397	ug/l	95
26) 2,2-Dichloropropane	7.506	77	68840	21.839	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	57376	21.408	ug/l	98
28) Bromochloromethane	7.824	49	44327	22.248	ug/l	94
29) Tetrahydrofuran	7.853	42	137137	100.794	ug/l	95
30) Chloroform	7.977	83	84649	20.918	ug/l	99
31) Cyclohexane	8.265	56	77980	19.843	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	70349	20.439	ug/l	98
36) 1,1-Dichloropropene	8.382	75	62704	21.922	ug/l	99
37) Ethyl Acetate	7.571	43	77461	21.274	ug/l	100
38) Carbon Tetrachloride	8.371	117	60473	21.535	ug/l	99
39) Methylcyclohexane	9.606	83	75840	19.353	ug/l	97
40) Benzene	8.612	78	202406	21.640	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087001.D
Acq On : 13 Jun 2025 15:06
Operator : JC\MD
Sample : VN0613WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Quant Time: Jun 14 00:28:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	41831	20.456	ug/l		96
42) 1,2-Dichloroethane	8.677	62	62902	22.173	ug/l		99
43) Isopropyl Acetate	8.694	43	120374	20.598	ug/l		96
44) Trichloroethene	9.359	130	48309	21.782	ug/l		100
45) 1,2-Dichloropropane	9.623	63	49577	21.787	ug/l		98
46) Dibromomethane	9.712	93	34302	22.695	ug/l		98
47) Bromodichloromethane	9.894	83	67450	21.690	ug/l		100
48) Methyl methacrylate	9.688	41	54551	20.281	ug/l		96
49) 1,4-Dioxane	9.706	88	21769	444.867	ug/l	#	97
51) 4-Methyl-2-Pentanone	10.447	43	362032	102.903	ug/l		98
52) Toluene	10.629	92	126116	22.064	ug/l		100
53) t-1,3-Dichloropropene	10.841	75	75922	21.834	ug/l		99
54) cis-1,3-Dichloropropene	10.318	75	82774	22.247	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	48792	22.184	ug/l		97
56) Ethyl methacrylate	10.882	69	76622	21.872	ug/l		97
57) 1,3-Dichloropropane	11.165	76	84223	22.075	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	213004	101.943	ug/l		98
59) 2-Hexanone	11.206	43	220012	97.085	ug/l		92
60) Dibromochloromethane	11.359	129	53072	23.160	ug/l		100
61) 1,2-Dibromoethane	11.470	107	50474	22.389	ug/l		99
64) Tetrachloroethene	11.106	164	38118	20.953	ug/l		93
65) Chlorobenzene	11.894	112	138331	21.819	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.965	131	44867	22.016	ug/l		99
67) Ethyl Benzene	11.965	91	230147	21.075	ug/l		99
68) m/p-Xylenes	12.070	106	181334	43.378	ug/l		99
69) o-Xylene	12.400	106	87167	21.772	ug/l		97
70) Styrene	12.412	104	146813	21.429	ug/l		99
71) Bromoform	12.582	173	35564	23.552	ug/l	#	98
73) Isopropylbenzene	12.694	105	213224	20.440	ug/l		100
74) N-amyl acetate	12.529	43	59296	16.267	ug/l		93
75) 1,1,2,2-Tetrachloroethane	12.941	83	78532	22.222	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	103434	30.389	ug/l		69
77) Bromobenzene	12.982	156	52646	22.007	ug/l		98
78) n-propylbenzene	13.035	91	252489	19.917	ug/l		98
79) 2-Chlorotoluene	13.123	91	156960	20.646	ug/l		96
80) 1,3,5-Trimethylbenzene	13.170	105	175480	20.375	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.735	75	30829	20.850	ug/l		97
82) 4-Chlorotoluene	13.223	91	162398	21.111	ug/l		99
83) tert-Butylbenzene	13.435	119	154658	19.618	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	179474	20.782	ug/l		100
85) sec-Butylbenzene	13.617	105	216743	18.932	ug/l		100
86) p-Isopropyltoluene	13.729	119	180744	19.098	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	100767	21.409	ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	103638	21.597	ug/l		98
89) n-Butylbenzene	14.053	91	167048	18.223	ug/l		99
90) Hexachloroethane	14.335	117	31515	19.646	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	97655	21.596	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	16995	20.109	ug/l		95
93) 1,2,4-Trichlorobenzene	15.388	180	57324	19.852	ug/l		99
94) Hexachlorobutadiene	15.500	225	17405	16.178	ug/l		98
95) Naphthalene	15.641	128	223336	20.779	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	53514	18.653	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087001.D
Acq On : 13 Jun 2025 15:06
Operator : JC\MD
Sample : VN0613WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Quant Time: Jun 14 00:28:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

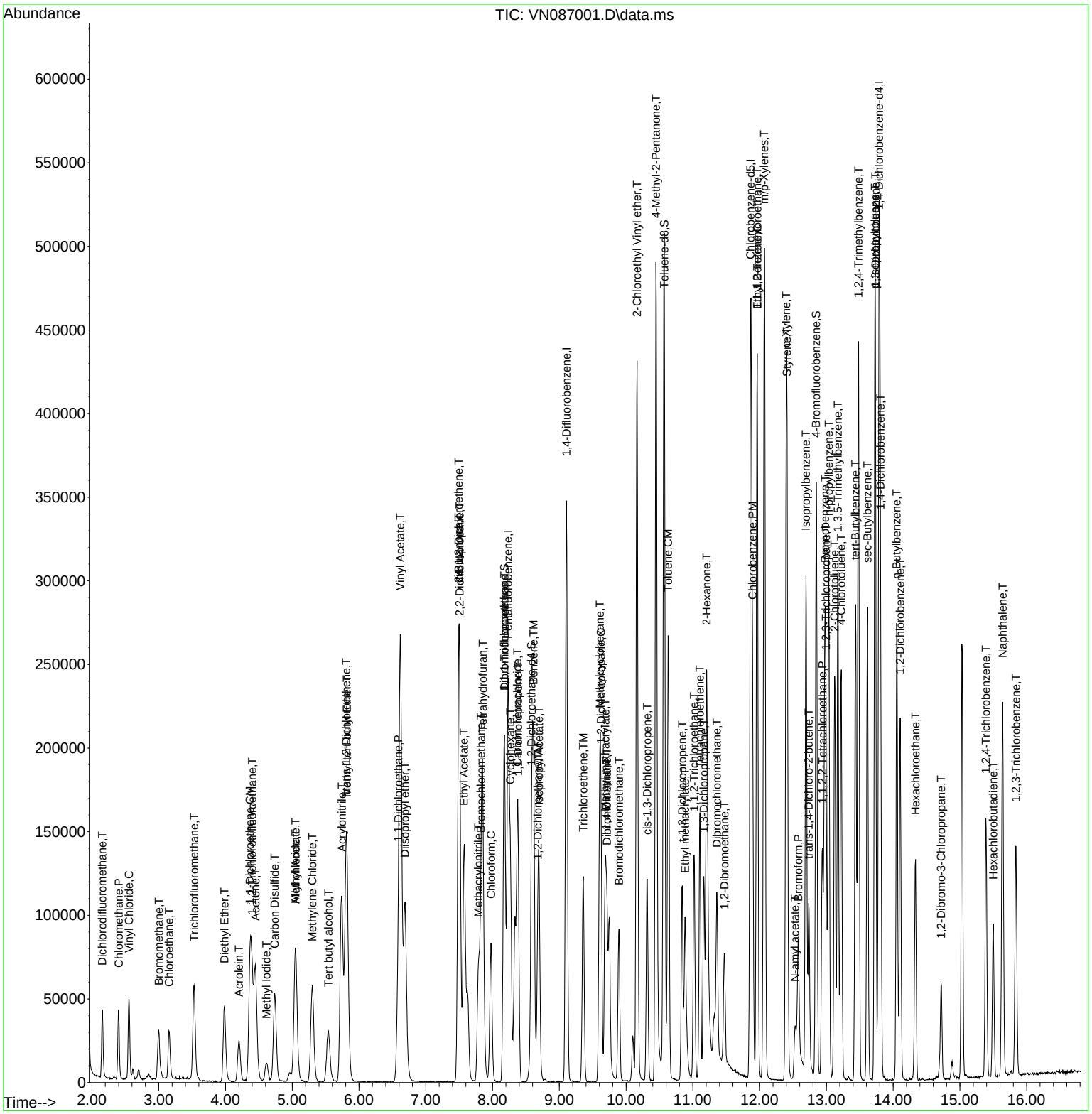
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

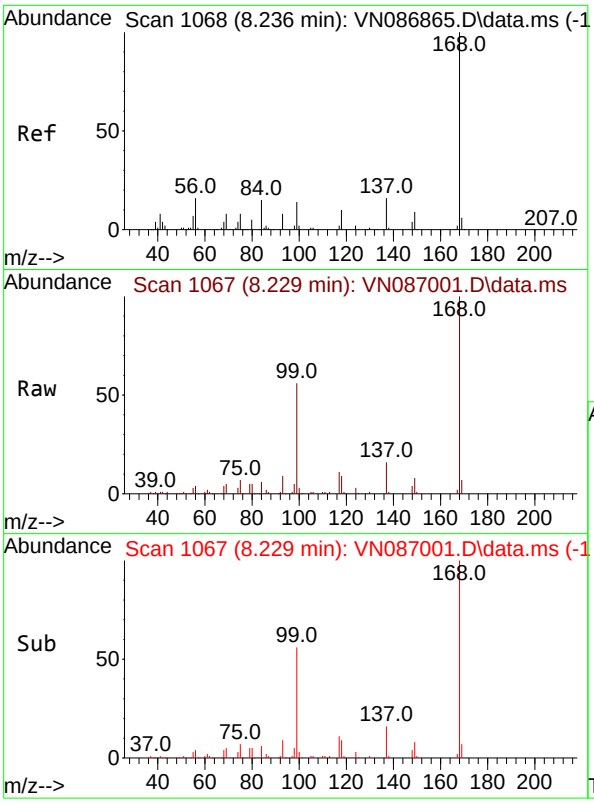
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087001.D
Acq On : 13 Jun 2025 15:06
Operator : JC\MD
Sample : VN0613WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Quant Time: Jun 14 00:28:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



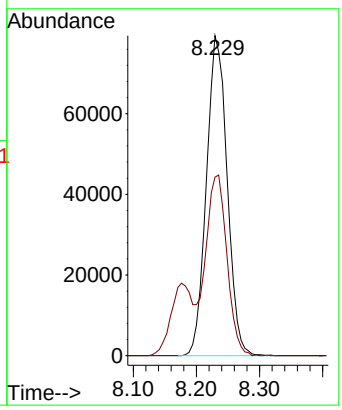


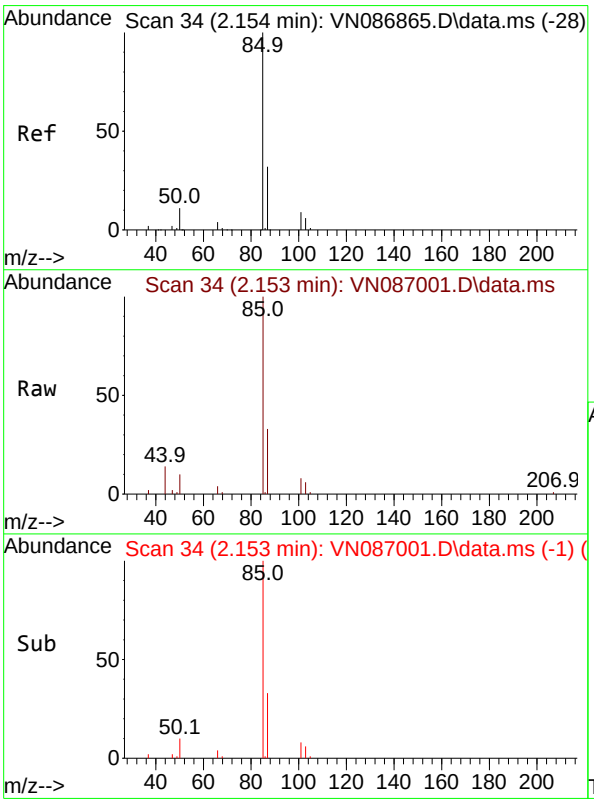
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.007 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion:168 Resp: 180967

Ion	Ratio	Lower	Upper
168	100		
99	55.8	49.1	73.7

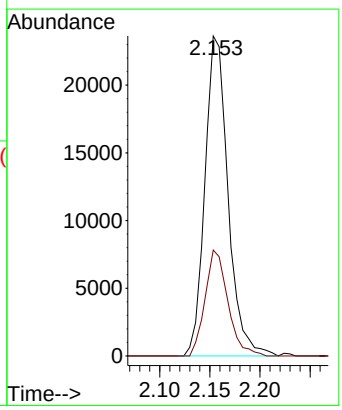


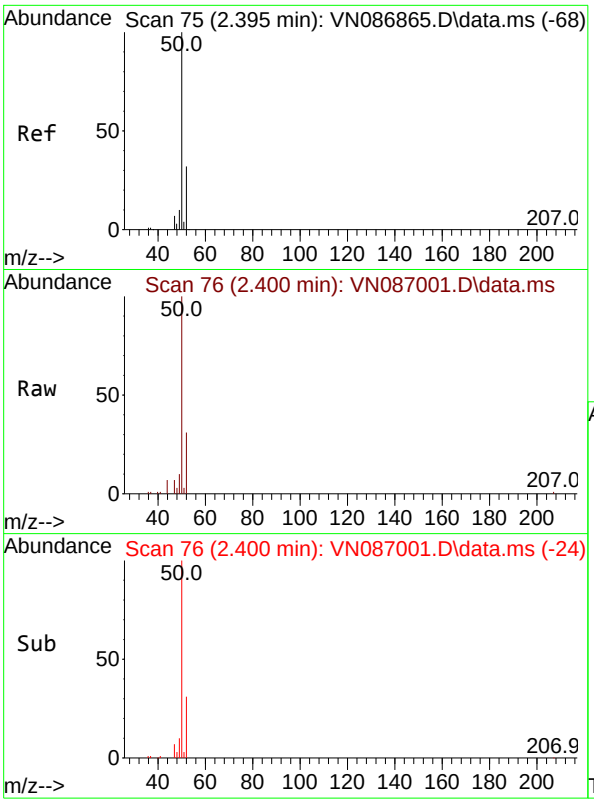


#2
Dichlorodifluoromethane
Concen: 21.034 ug/l
RT: 2.153 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 85 Resp: 37953

Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.2	48.6



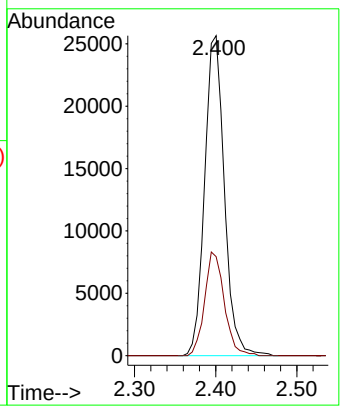


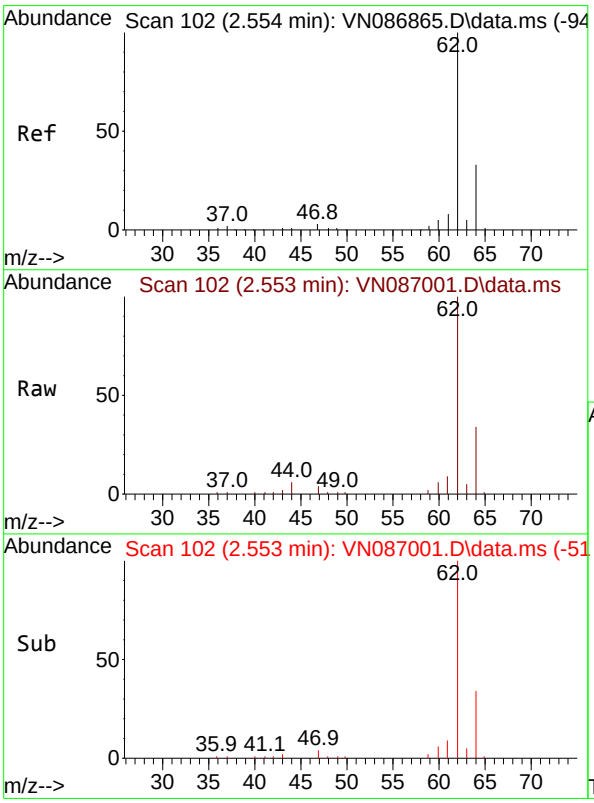
#3
Chloromethane
Concen: 18.563 ug/l
RT: 2.400 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 50 Resp: 43252

Ion	Ratio	Lower	Upper
50	100		
52	30.9	25.7	38.5

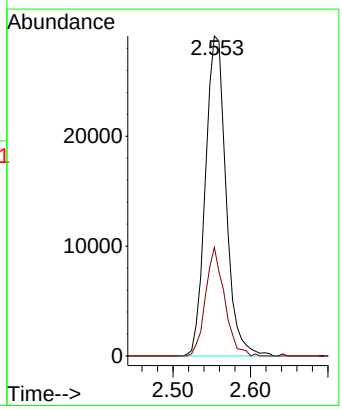


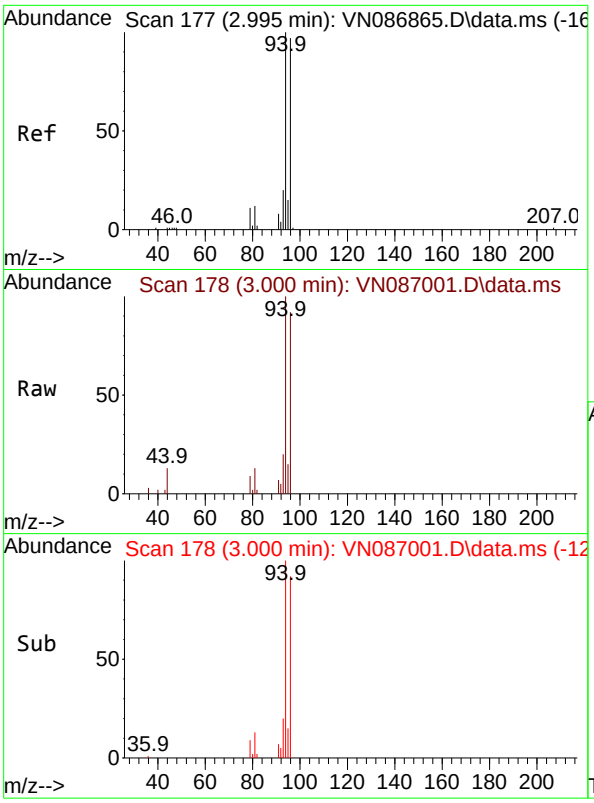


#4
Vinyl Chloride
Concen: 22.350 ug/l
RT: 2.553 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 62 Resp: 53719

Ion	Ratio	Lower	Upper
62	100		
64	33.9	26.0	39.0



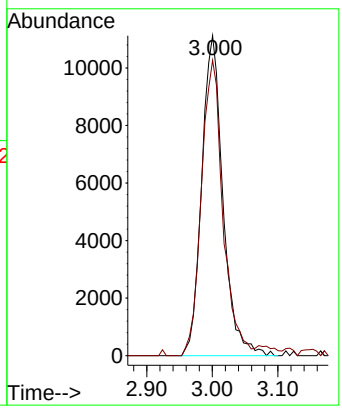


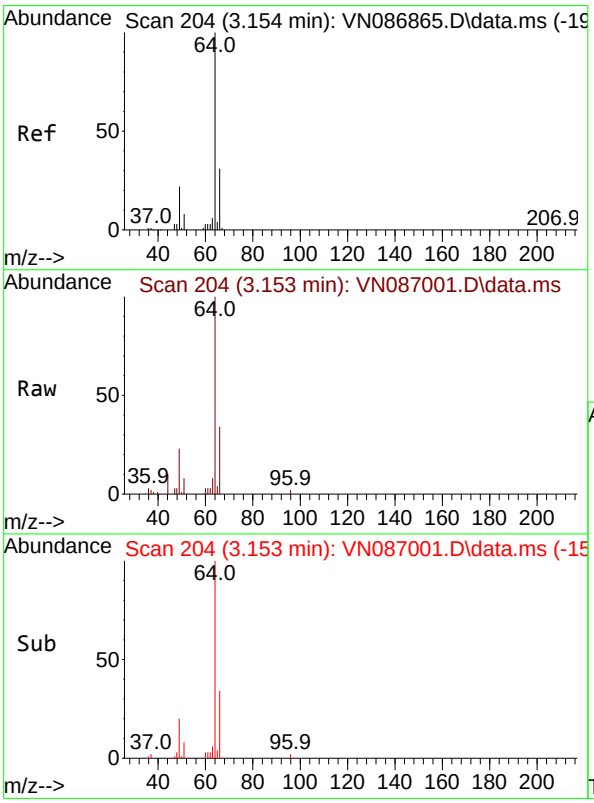
#5
Bromomethane
Concen: 18.623 ug/l
RT: 3.000 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 94 Resp: 25049

Ion	Ratio	Lower	Upper
94	100		
96	92.3	77.9	116.9

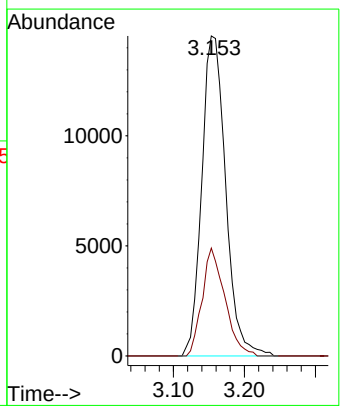


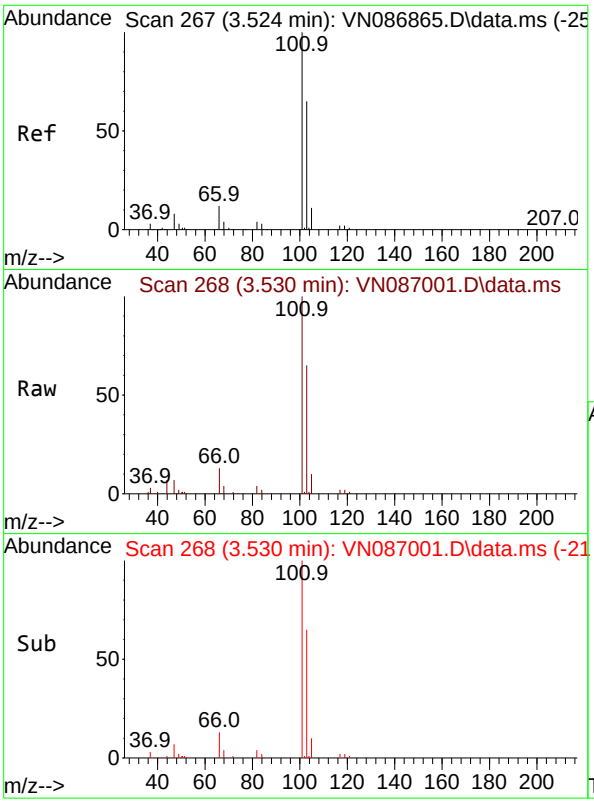


#6
Chloroethane
Concen: 21.940 ug/l
RT: 3.153 min Scan# 204
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 64 Resp: 34063

Ion	Ratio	Lower	Upper
64	100		
66	33.7	24.6	36.8



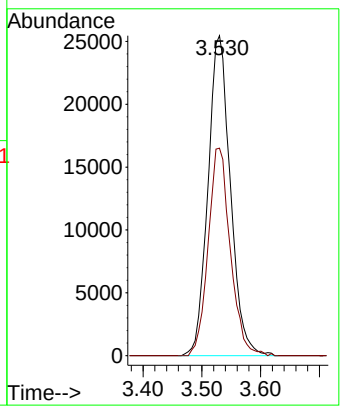


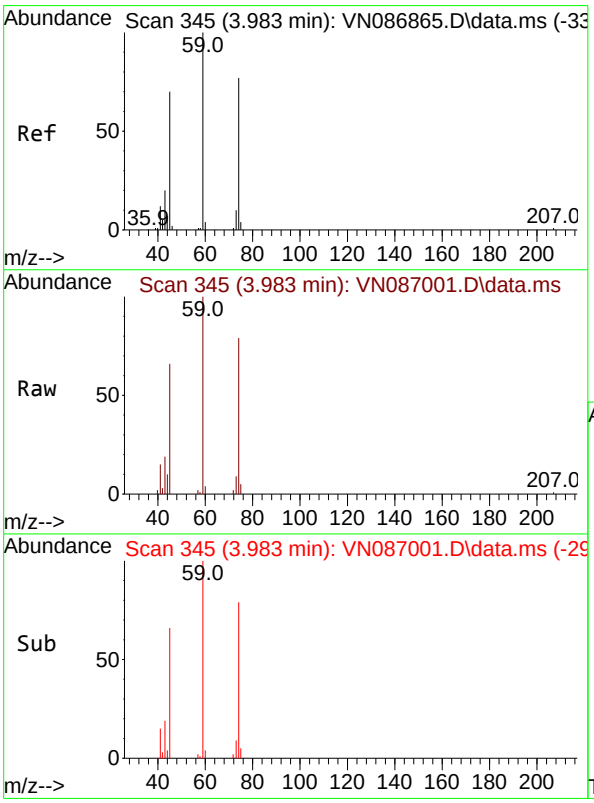
#7
Trichlorofluoromethane
Concen: 21.415 ug/l
RT: 3.530 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion:101 Resp: 67248

Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.2	78.2

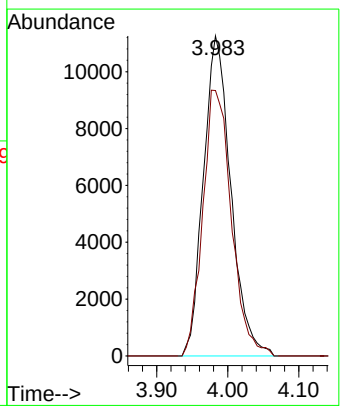


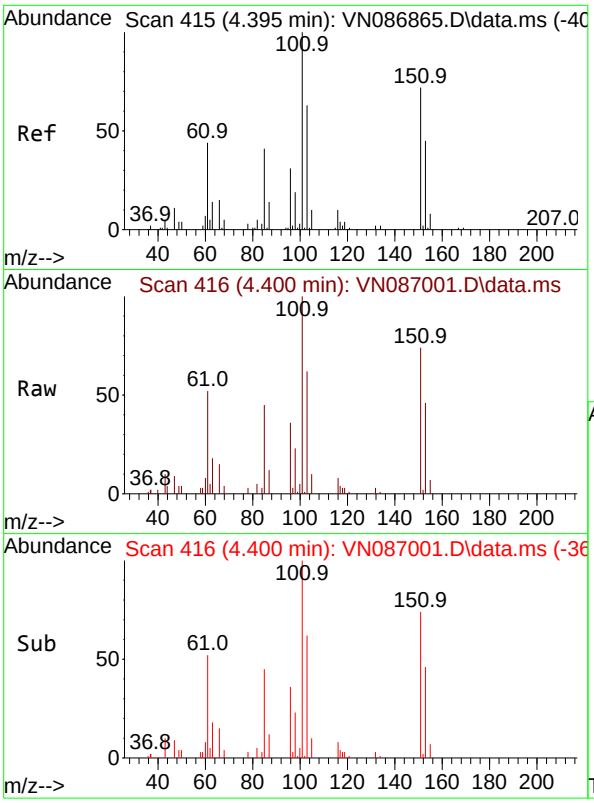


#8
Diethyl Ether
Concen: 22.045 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 74 Resp: 30162

Ion	Ratio	Lower	Upper
74	100		
45	86.8	45.5	136.5



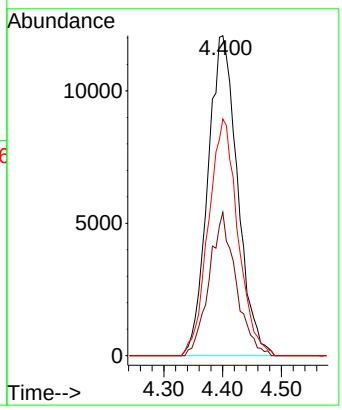


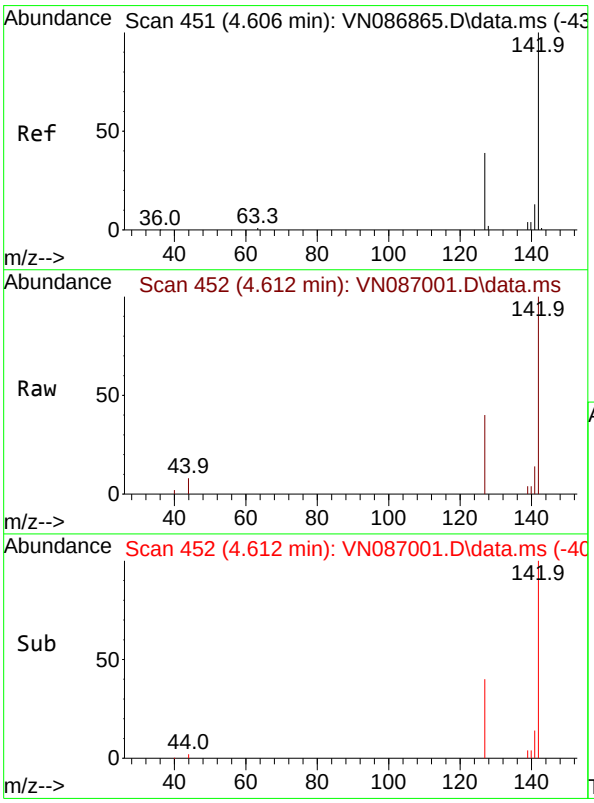
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.475 ug/l
RT: 4.400 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion:101 Resp: 42369

Ion	Ratio	Lower	Upper
101	100		
85	40.4	33.8	50.8
151	73.6	58.7	88.1

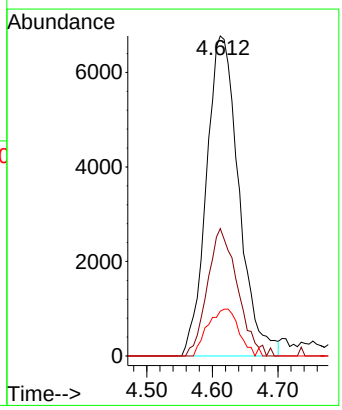


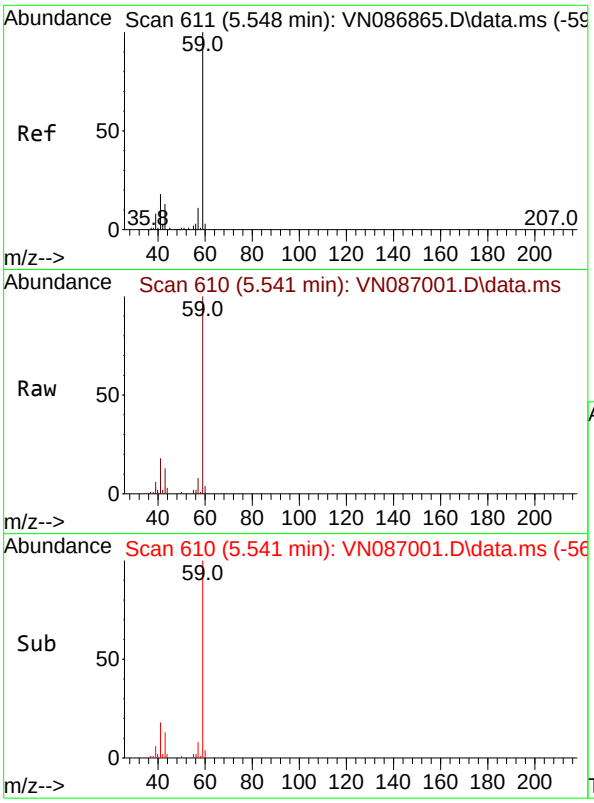


#10
Methyl Iodide
Concen: 9.086 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:142 Resp: 23237

Ion	Ratio	Lower	Upper
142	100		
127	39.8	30.9	46.3
141	14.0	10.4	15.6



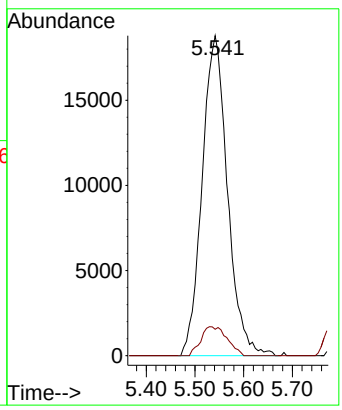


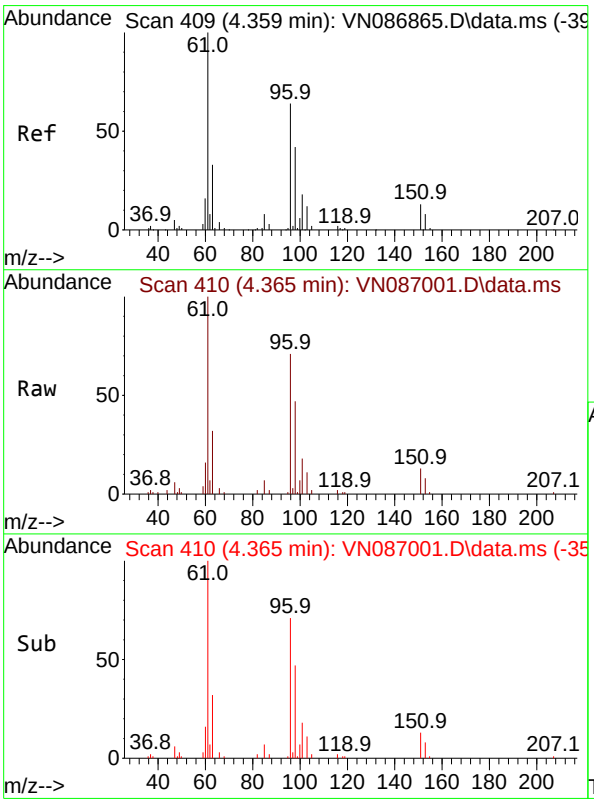
#11
Tert butyl alcohol
Concen: 103.363 ug/l
RT: 5.541 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 59 Resp: 67955

Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.1	12.1

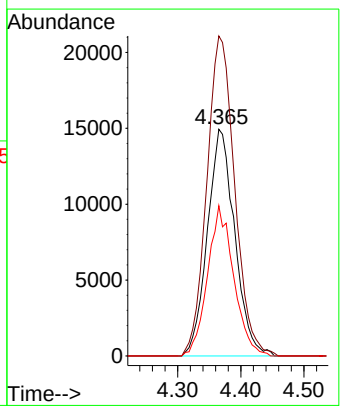


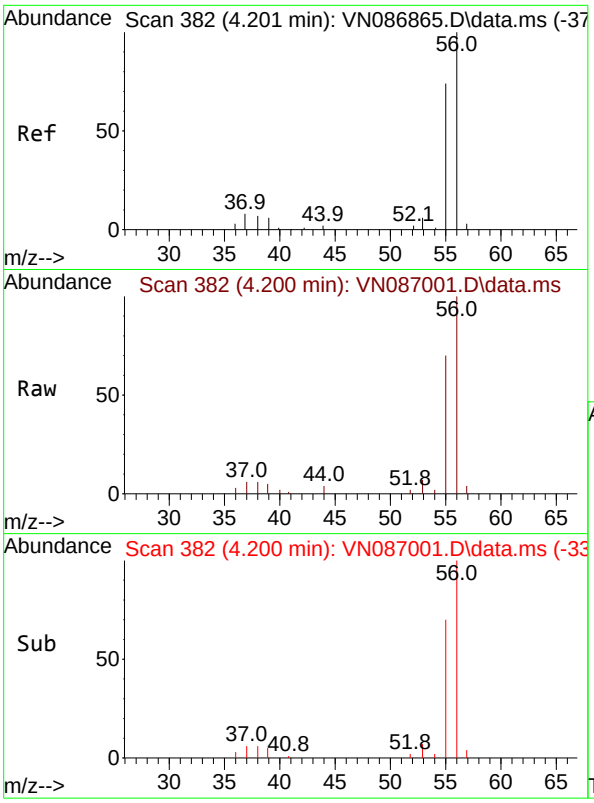


#12
1,1-Dichloroethene
Concen: 22.318 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 96 Resp: 44954

Ion	Ratio	Lower	Upper
96	100		
61	141.2	125.8	188.6
98	66.3	52.5	78.7



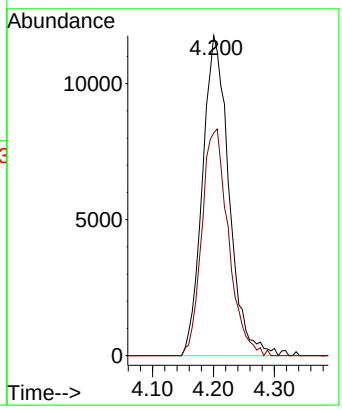


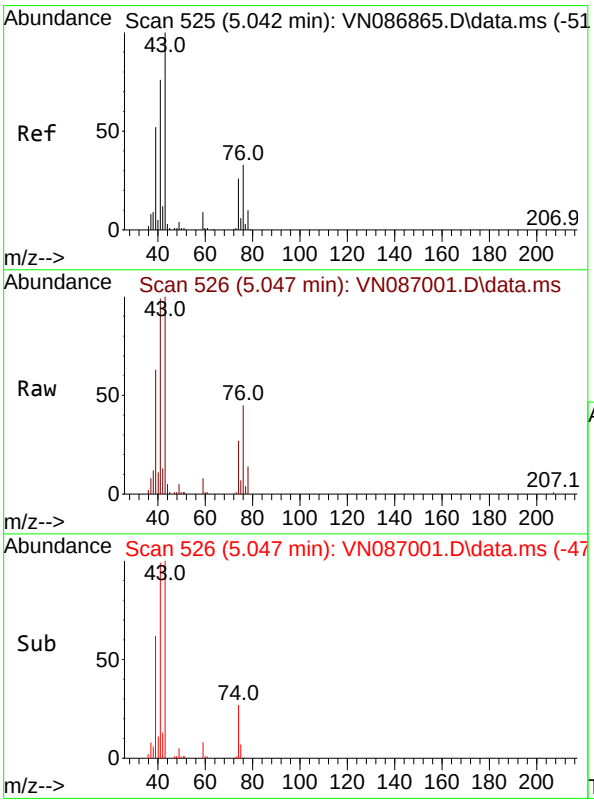
#13
Acrolein
Concen: 171.174 ug/l
RT: 4.200 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 56 Resp: 35622

Ion	Ratio	Lower	Upper
56	100		
55	71.0	55.6	83.4

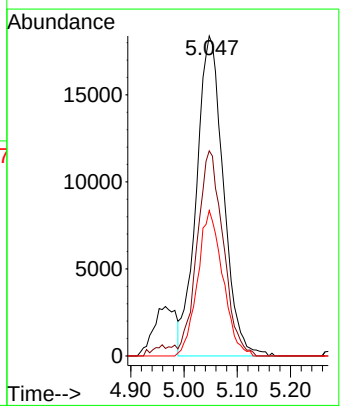


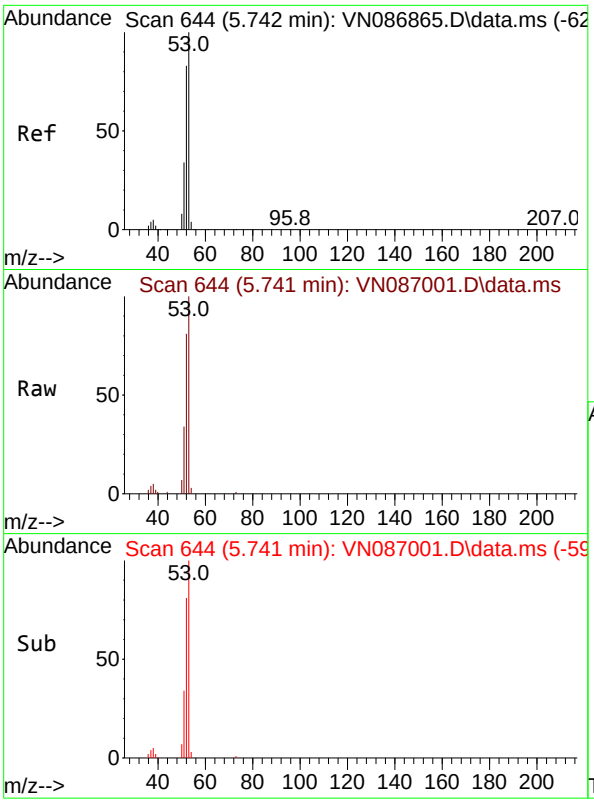


#14
Allyl chloride
Concen: 19.336 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 41 Resp: 64592

Ion	Ratio	Lower	Upper
41	100		
39	62.0	51.3	76.9
76	42.5	31.4	47.0



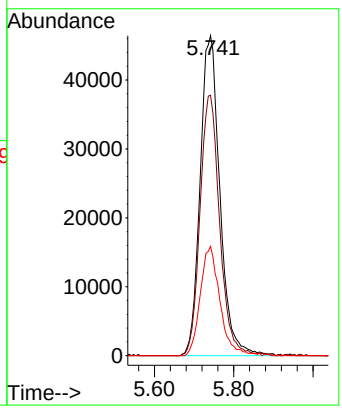


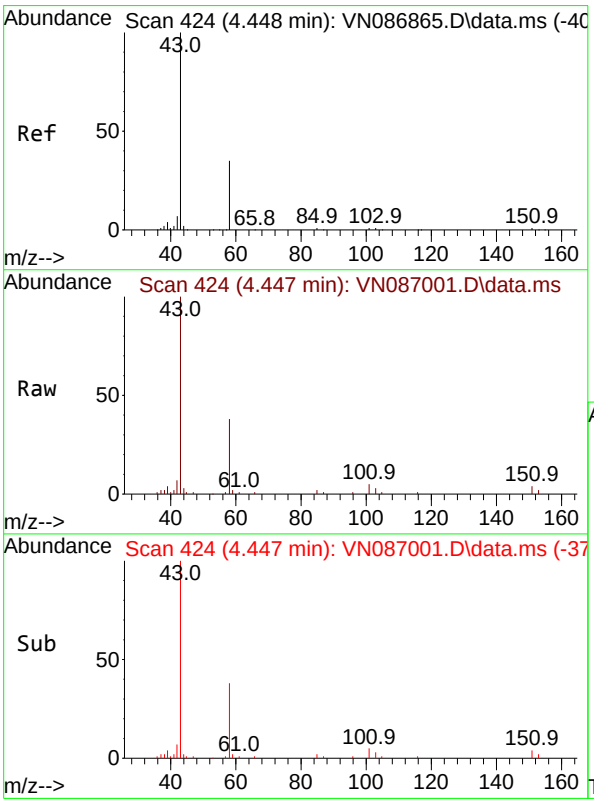
#15
Acrylonitrile
Concen: 104.594 ug/l
RT: 5.741 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 53 Resp: 160728

Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.0	97.6
51	33.9	27.2	40.8

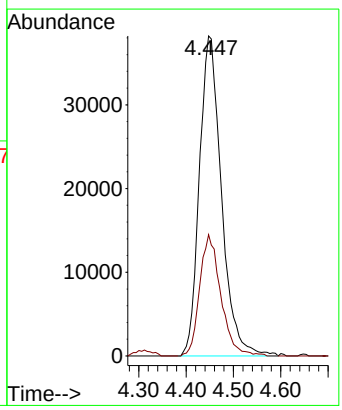


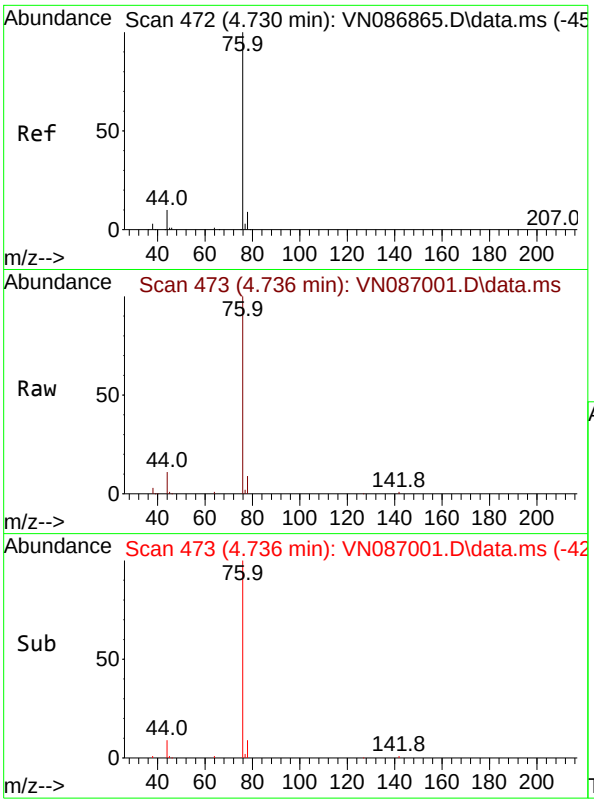


#16
Acetone
Concen: 96.269 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 43 Resp: 123697

Ion	Ratio	Lower	Upper
43	100		
58	37.9	28.0	42.0



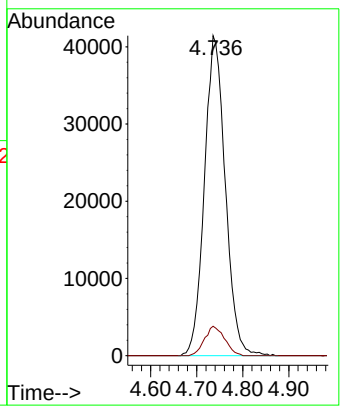


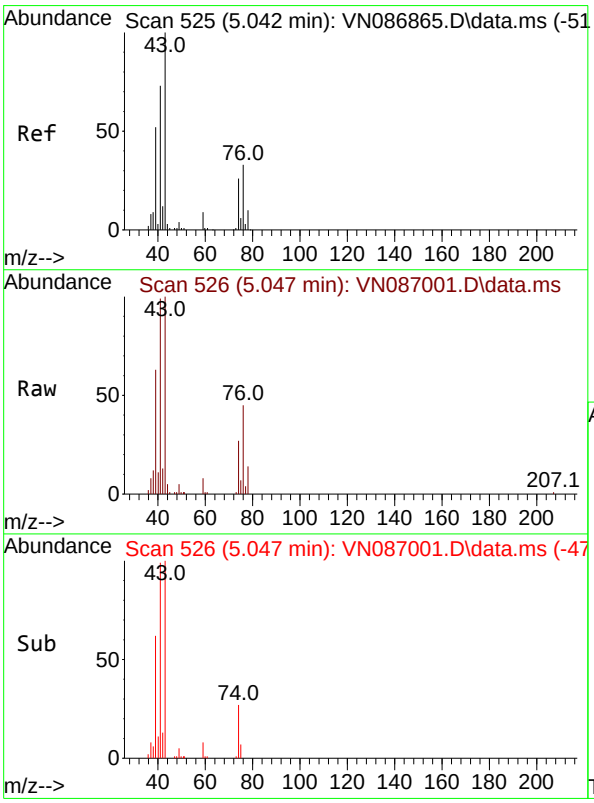
#17
Carbon Disulfide
Concen: 23.437 ug/l
RT: 4.736 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 76 Resp: 130578

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

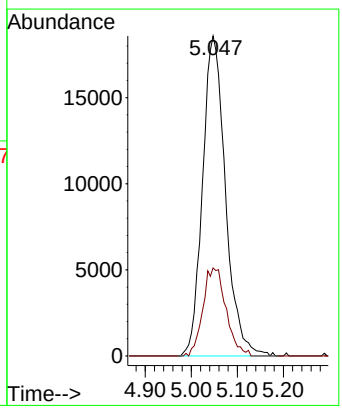


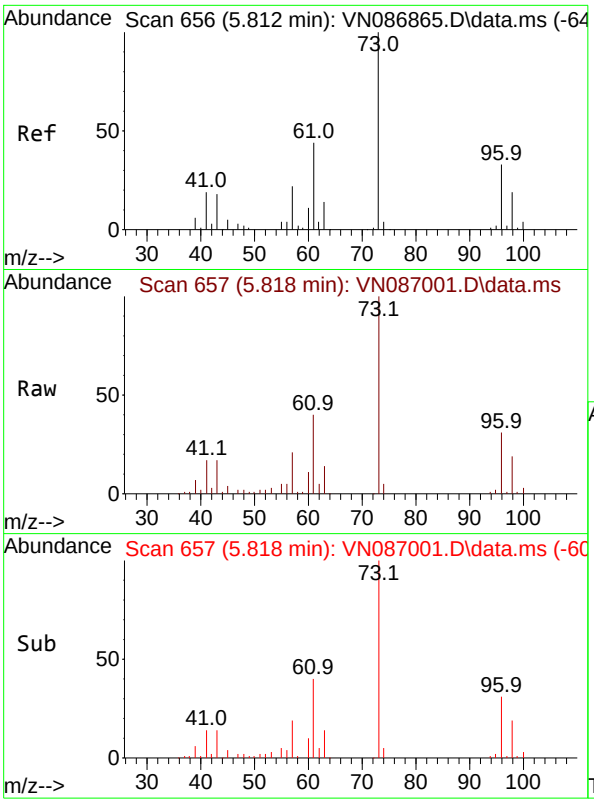


#18
Methyl Acetate
Concen: 17.161 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 43 Resp: 64257

Ion	Ratio	Lower	Upper
43	100		
74	27.7	20.7	31.1



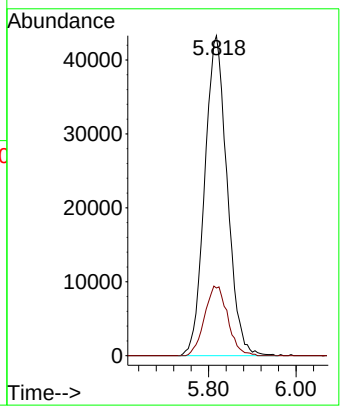


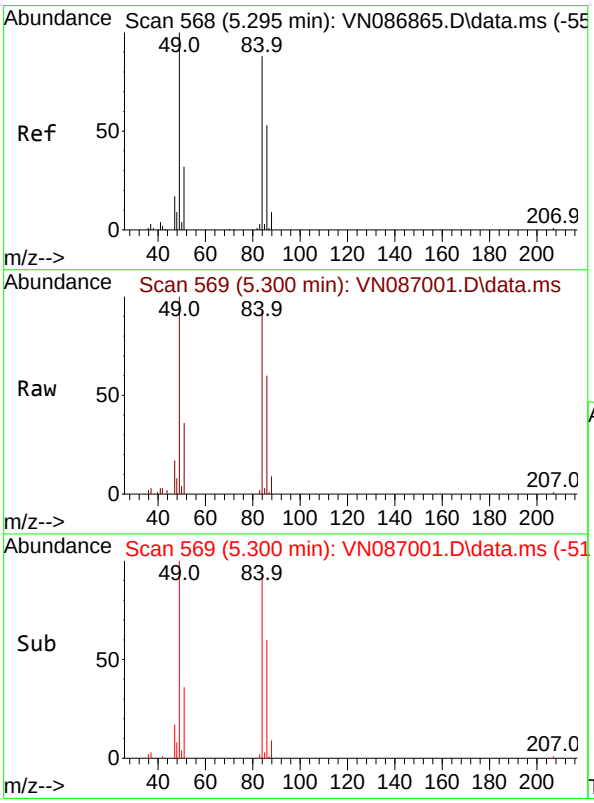
#19
Methyl tert-butyl Ether
Concen: 21.160 ug/l
RT: 5.818 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 73 Resp: 154323

Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.4	26.2

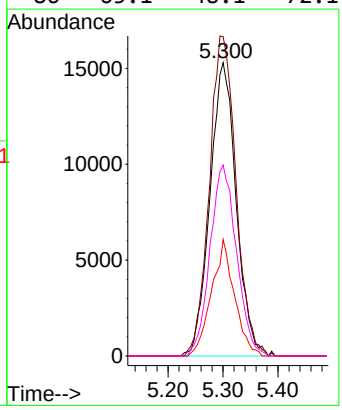


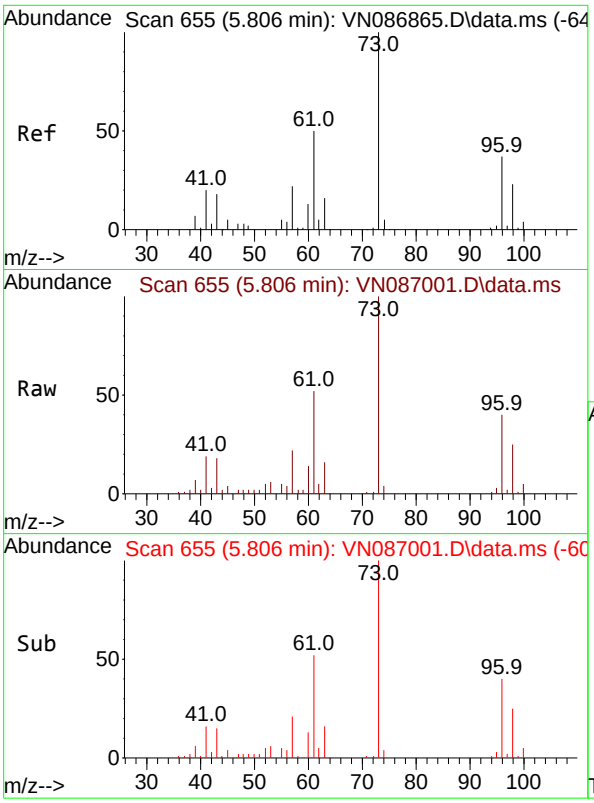


#20
Methylene Chloride
Concen: 21.099 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 84 Resp: 50756

Ion	Ratio	Lower	Upper
84	100		
49	108.8	90.5	135.7
51	39.7	28.5	42.7
86	65.1	48.1	72.1



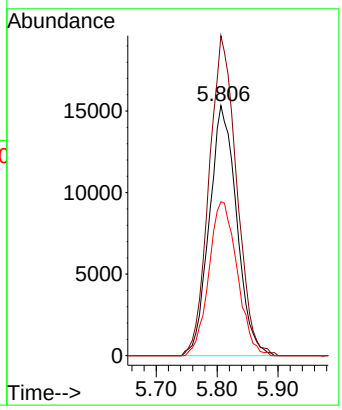


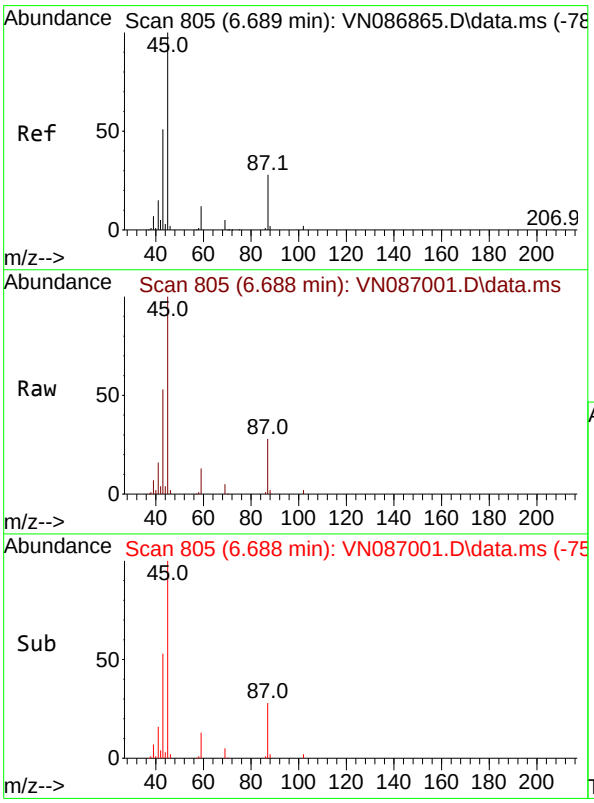
#21
trans-1,2-Dichloroethene
Concen: 21.392 ug/l
RT: 5.806 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 96 Resp: 47940

Ion	Ratio	Lower	Upper
96	100		
61	128.0	109.2	163.8
98	61.6	49.8	74.8

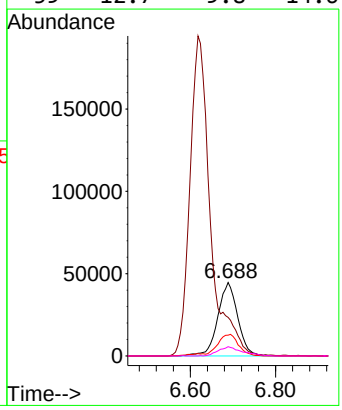


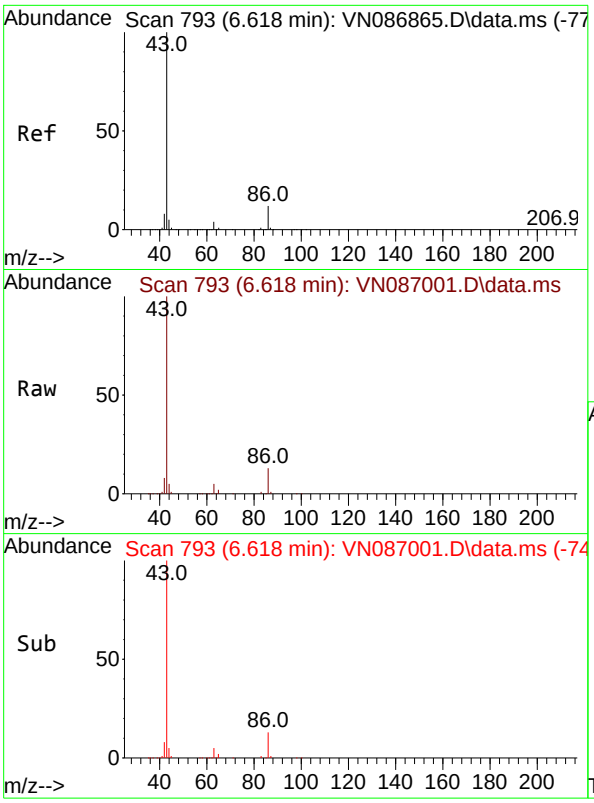


#22
Diisopropyl ether
Concen: 20.648 ug/l
RT: 6.688 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 45 Resp: 145393

Ion	Ratio	Lower	Upper
45	100		
43	51.9	41.9	62.9
87	28.3	22.4	33.6
59	12.7	9.8	14.6



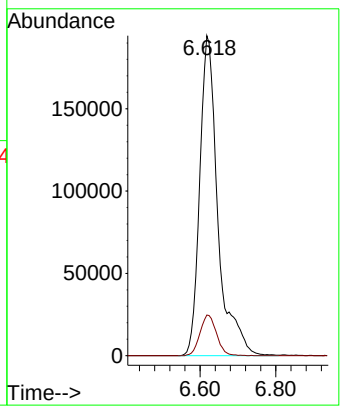


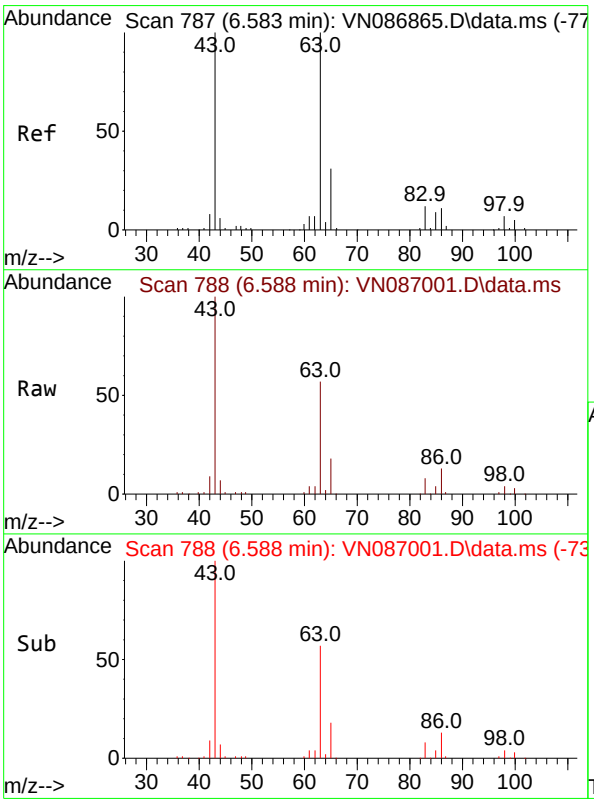
#23
Vinyl Acetate
Concen: 108.602 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 43 Resp: 646099

Ion	Ratio	Lower	Upper
43	100		
86	12.7	9.5	14.3

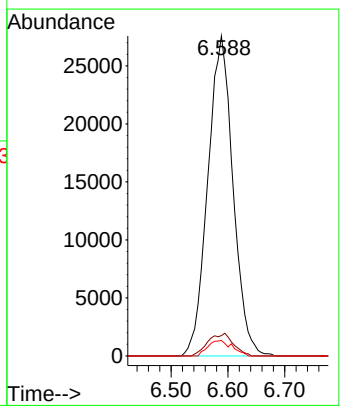


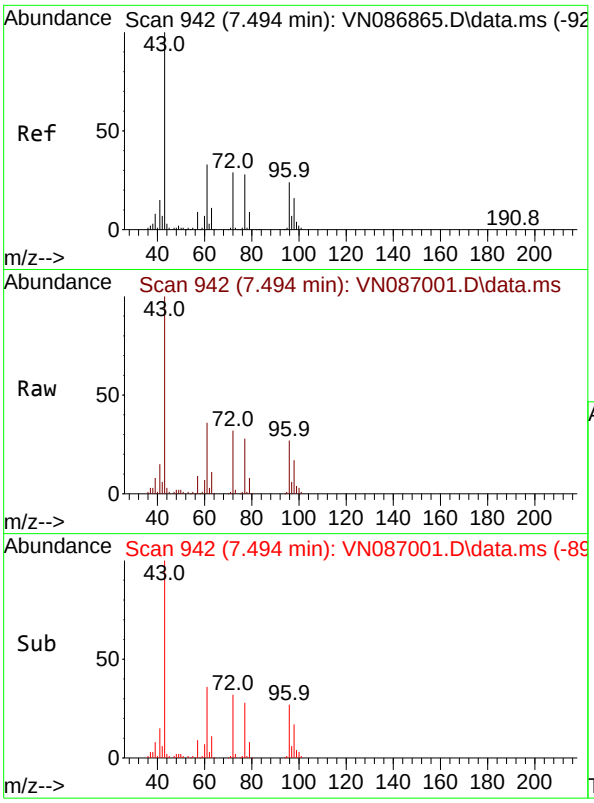


#24
1,1-Dichloroethane
Concen: 20.987 ug/l
RT: 6.588 min Scan# 788
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 63 Resp: 85045

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.6	10.8
100	4.8	2.6	7.8



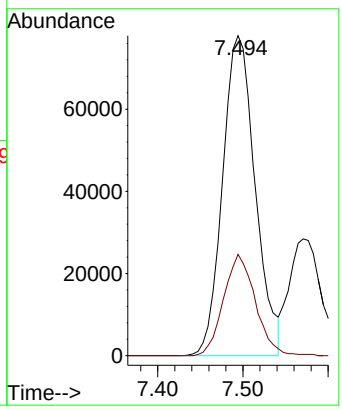


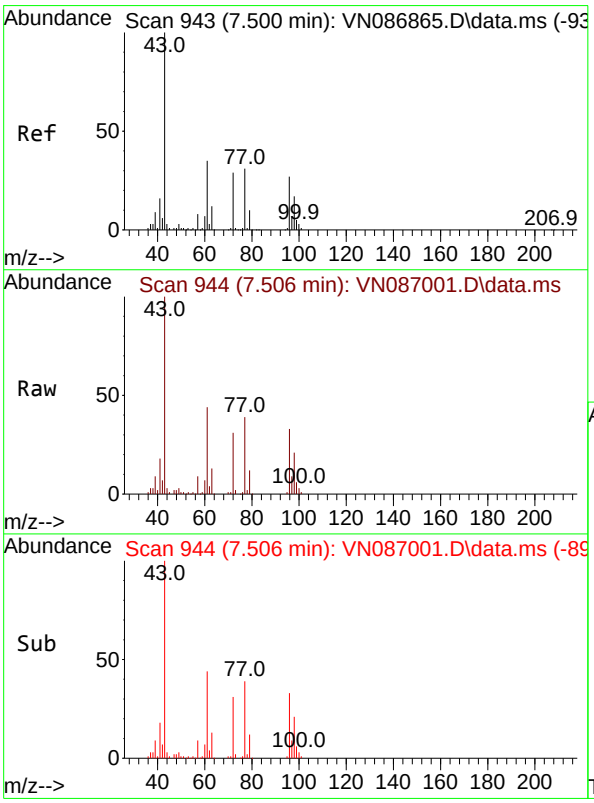
#25
2-Butanone
Concen: 99.397 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 43 Resp: 207598

Ion	Ratio	Lower	Upper
43	100		
72	31.7	23.0	34.6

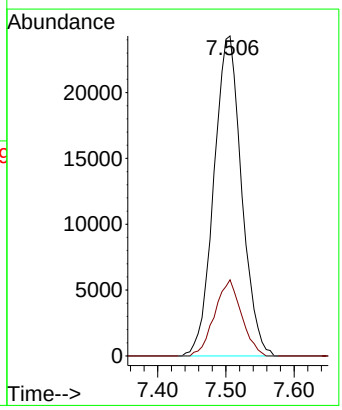


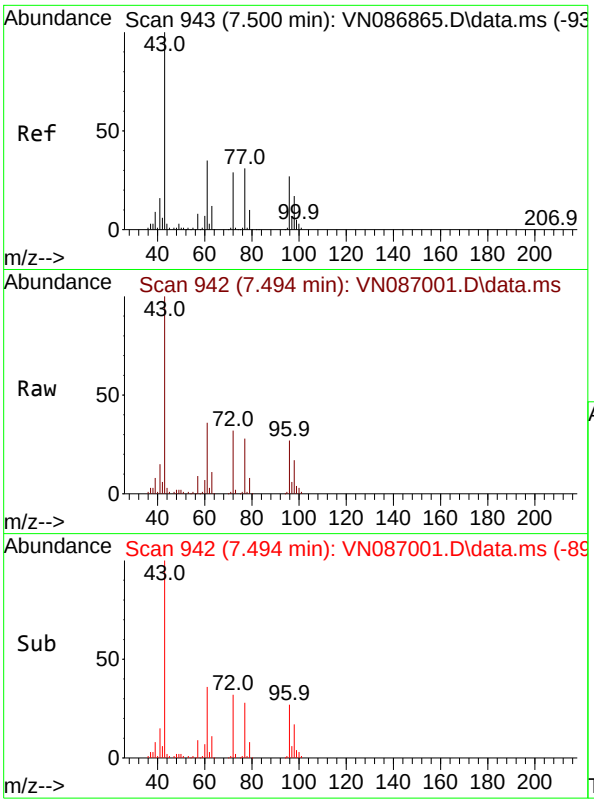


#26
2,2-Dichloropropane
Concen: 21.839 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 77 Resp: 68840

Ion	Ratio	Lower	Upper
77	100		
97	23.0	11.6	34.7



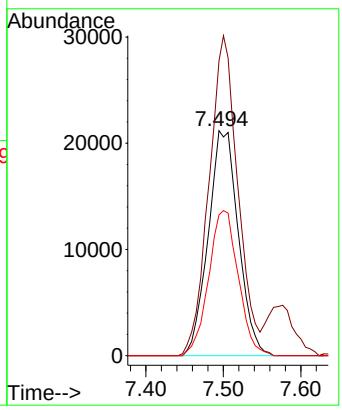


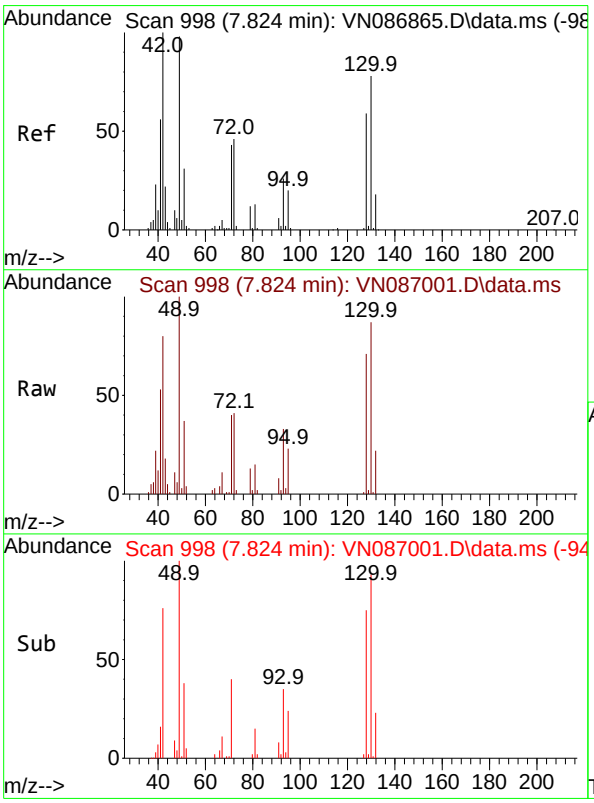
#27
cis-1,2-Dichloroethene
Concen: 21.408 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 96 Resp: 57376

Ion	Ratio	Lower	Upper
96	100		
61	135.9	0.0	278.0
98	63.3	0.0	128.2

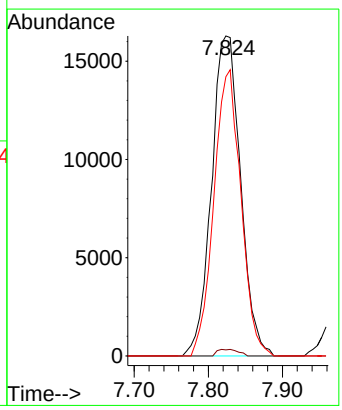


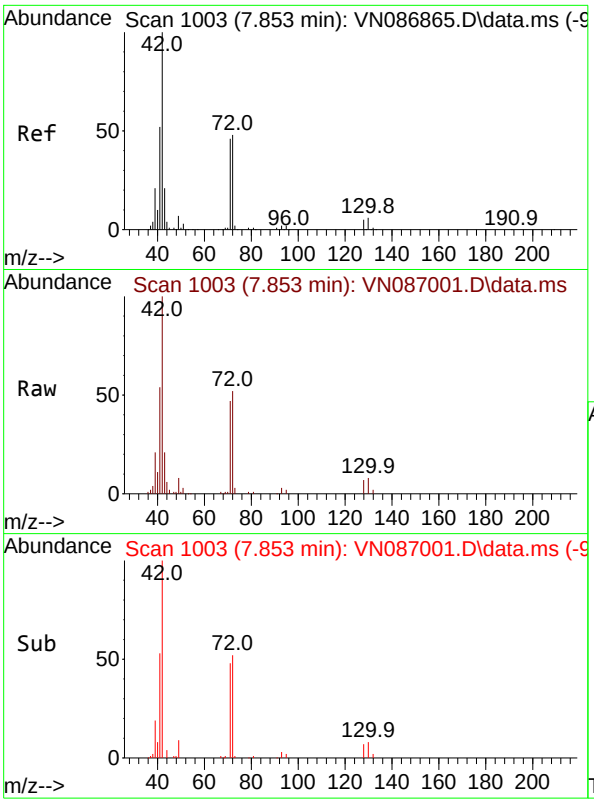


#28
Bromochloromethane
Concen: 22.248 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 49 Resp: 44327

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	83.3	62.2	93.2



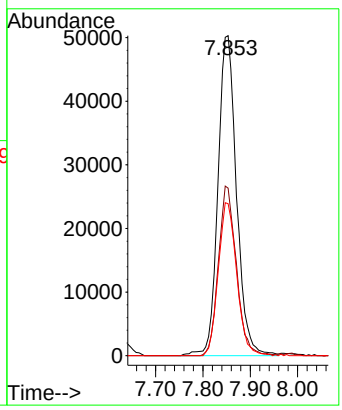


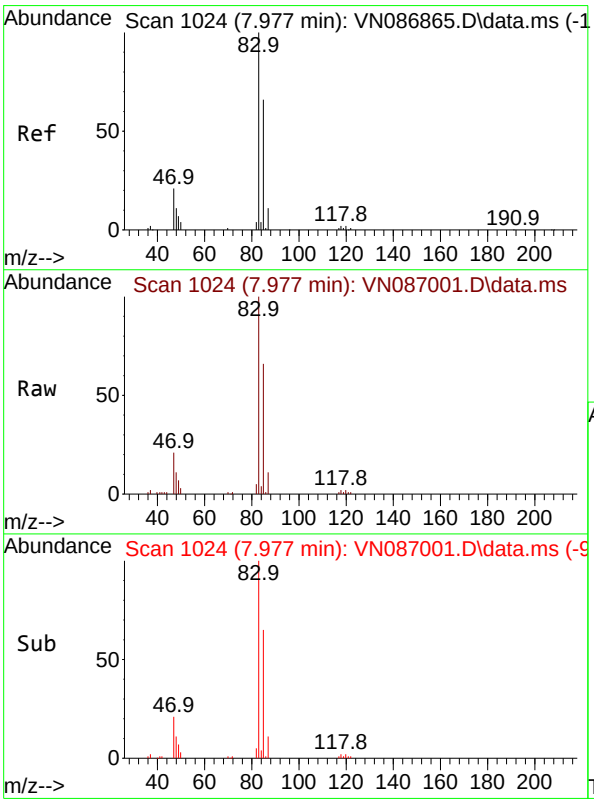
#29
Tetrahydrofuran
Concen: 100.794 ug/l
RT: 7.853 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 42 Resp: 137137

Ion	Ratio	Lower	Upper
42	100		
72	51.1	37.8	56.6
71	47.4	35.6	53.4

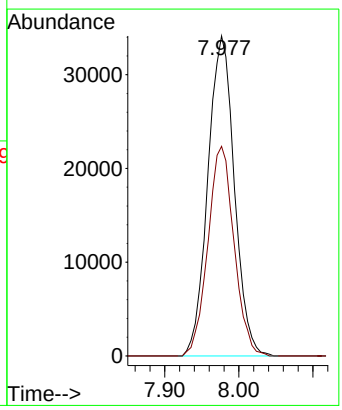


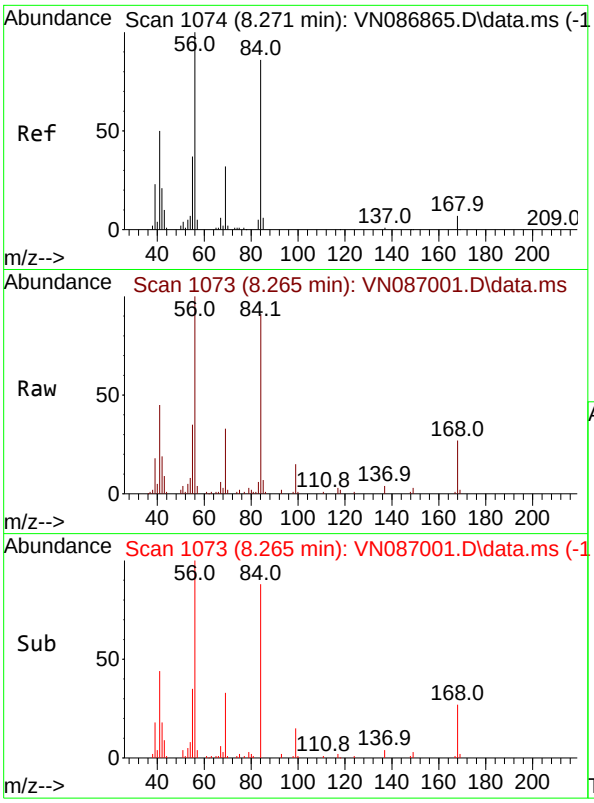


#30
Chloroform
Concen: 20.918 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 83 Resp: 84649

Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.9	79.3



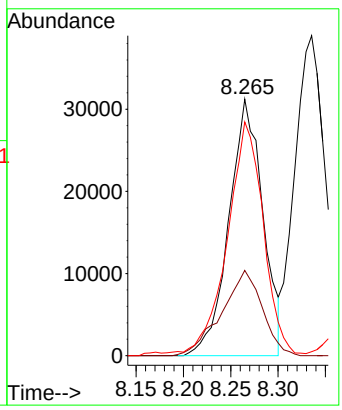


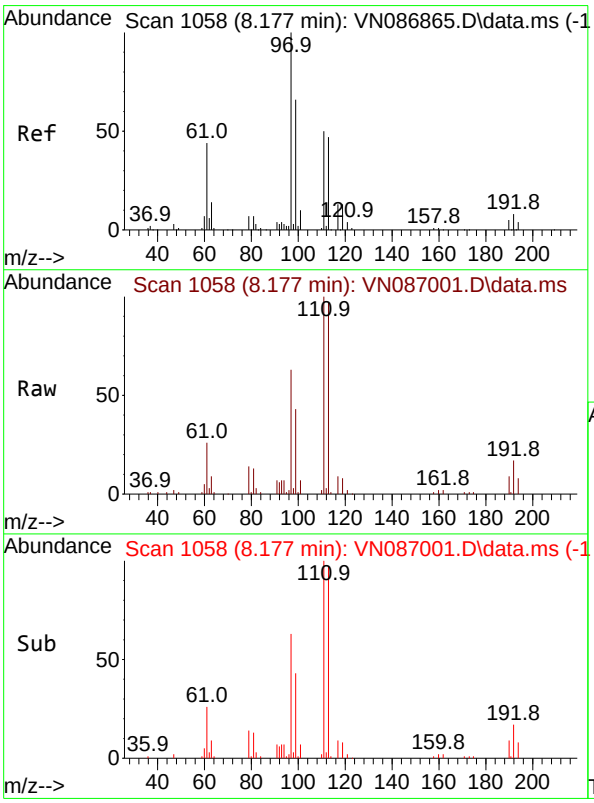
#31
Cyclohexane
Concen: 19.843 ug/l
RT: 8.265 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 56 Resp: 77980

Ion	Ratio	Lower	Upper
56	100		
69	32.8	25.4	38.0
84	89.5	68.8	103.2

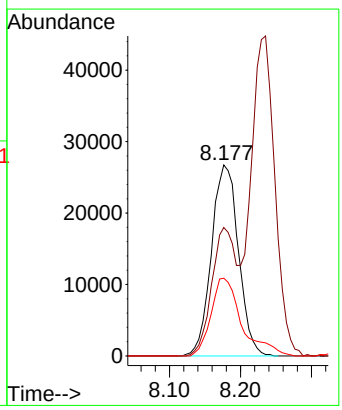


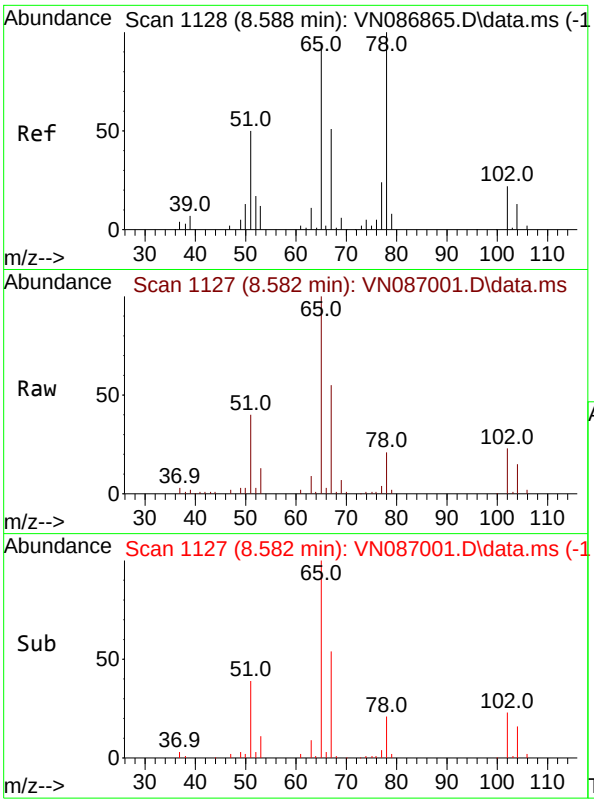


#32
1,1,1-Trichloroethane
Concen: 20.439 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 97 Resp: 70349

Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.0	78.0
61	46.5	35.9	53.9



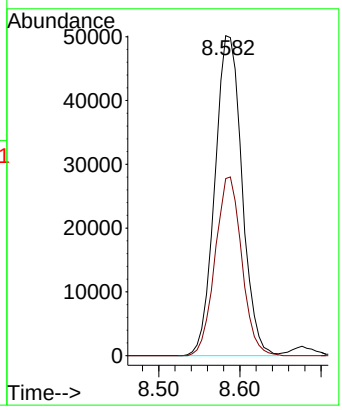


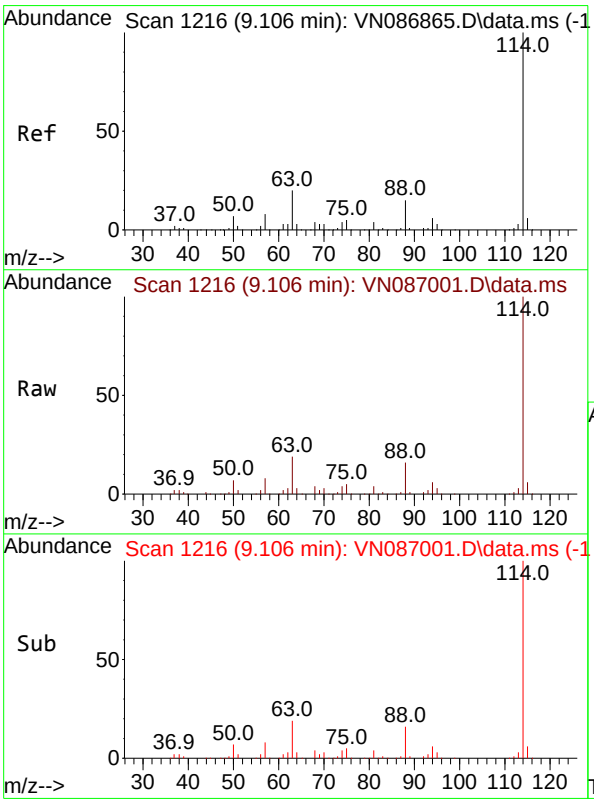
#33
1,2-Dichloroethane-d4
Concen: 48.096 ug/l
RT: 8.582 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 65 Resp: 116534

Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	105.6

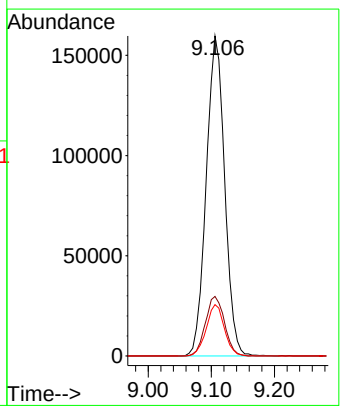


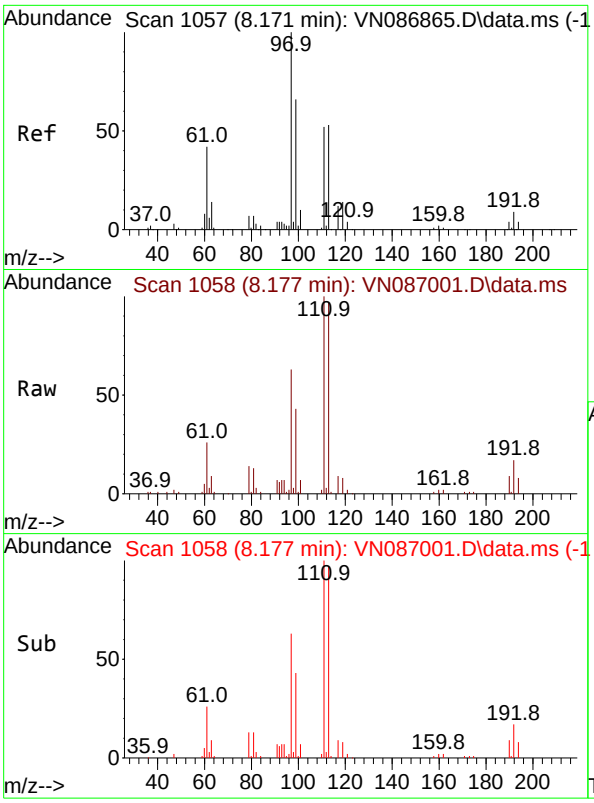


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:114 Resp: 323903

Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	39.6
88	16.0	0.0	30.2



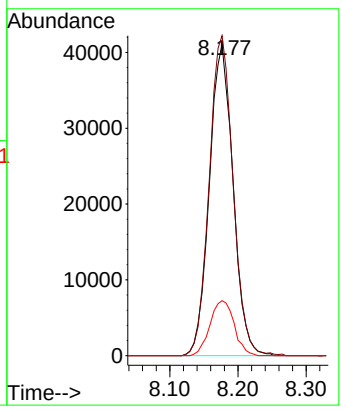


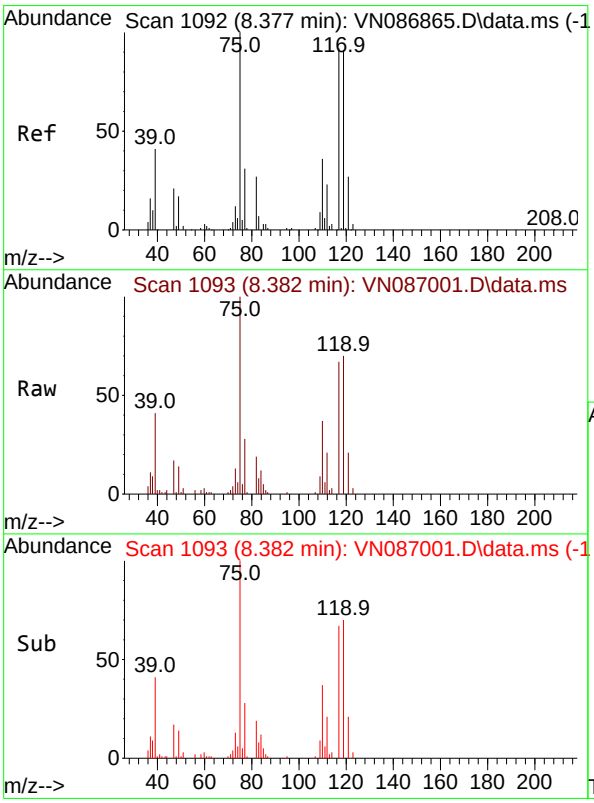
#35
Dibromofluoromethane
Concen: 51.696 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion:113 Resp: 99231

Ion	Ratio	Lower	Upper
113	100		
111	103.5	84.2	126.2
192	18.1	14.2	21.4

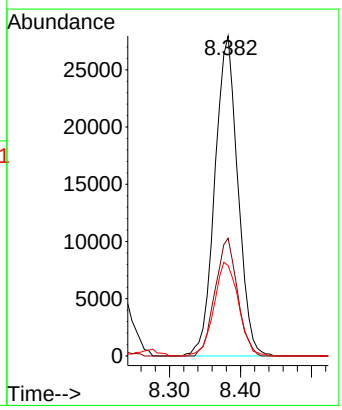


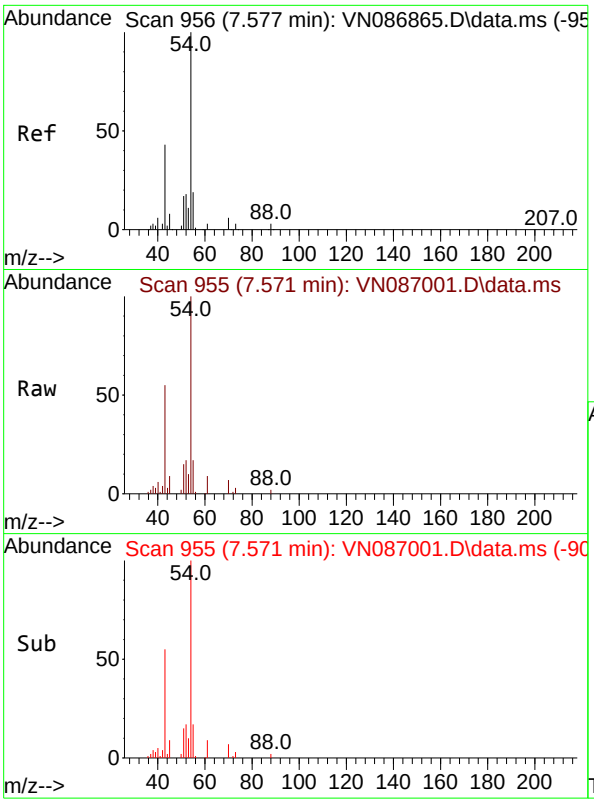


#36
1,1-Dichloropropene
Concen: 21.922 ug/l
RT: 8.382 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 75 Resp: 62704

Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.6	52.9
77	31.2	25.3	37.9



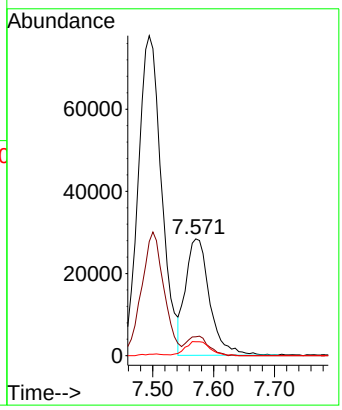


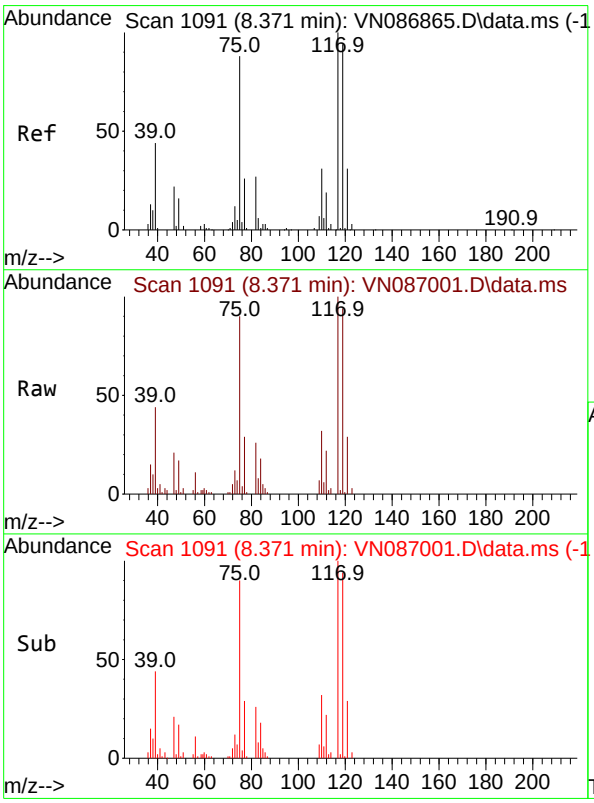
#37
Ethyl Acetate
Concen: 21.274 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 43 Resp: 77461

Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.1	18.1
70	12.4	9.8	14.6

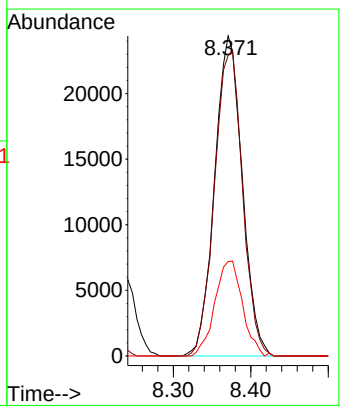


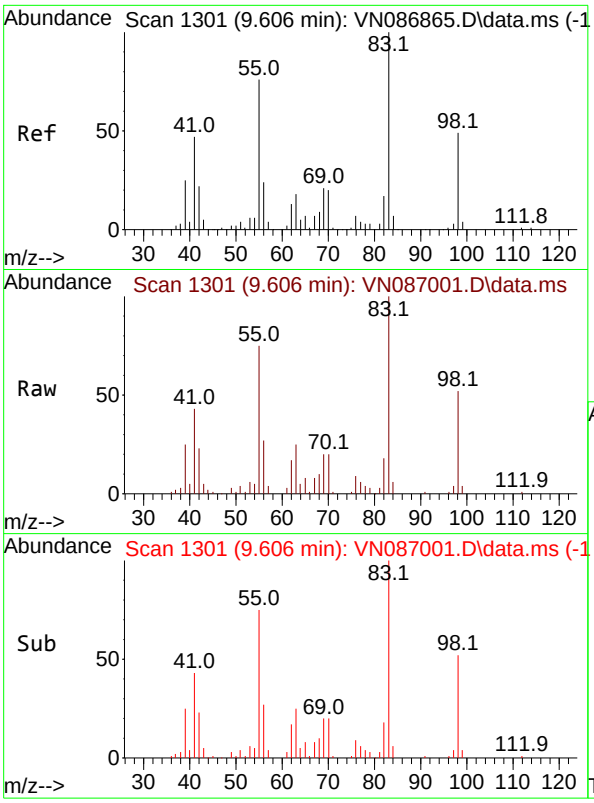


#38
Carbon Tetrachloride
Concen: 21.535 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:117 Resp: 60473

Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.0	112.6
121	29.5	24.9	37.3



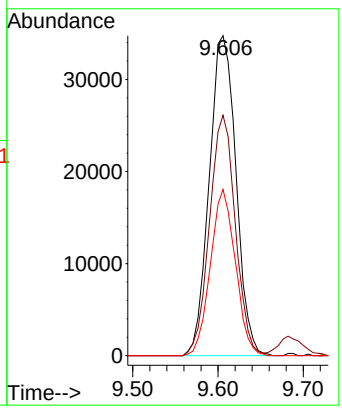


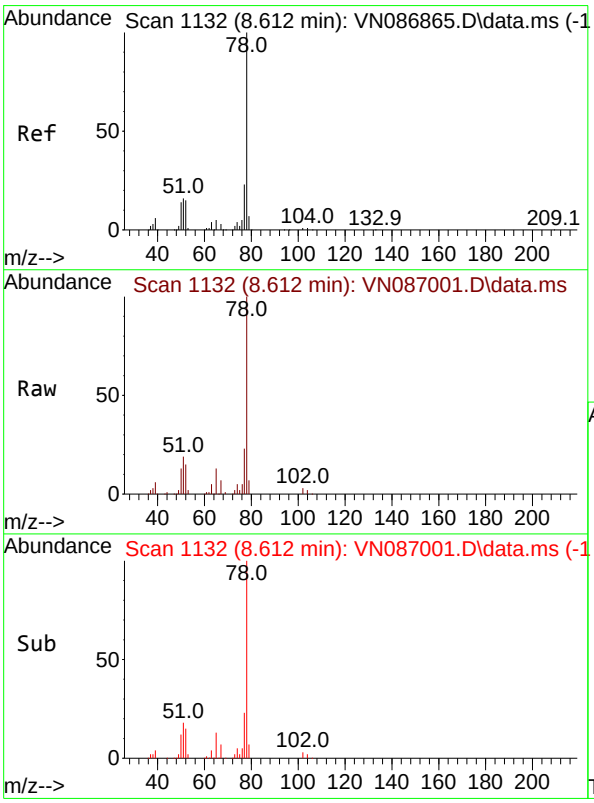
#39
Methylcyclohexane
Concen: 19.353 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 83 Resp: 75840

Ion	Ratio	Lower	Upper
83	100		
55	75.2	61.0	91.6
98	51.9	38.9	58.3

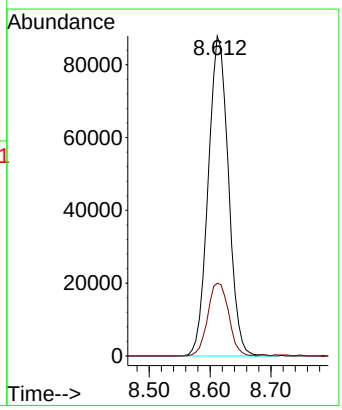


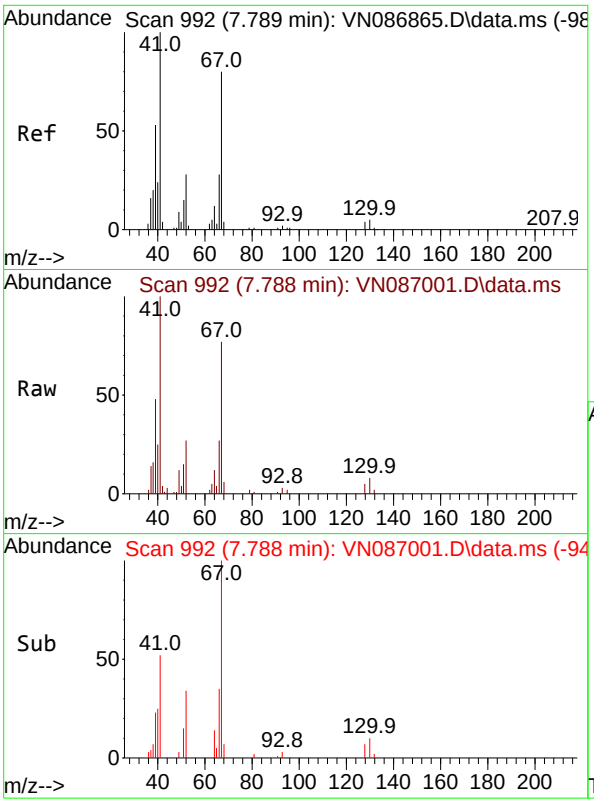


#40
Benzene
Concen: 21.640 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 78 Resp: 202406

Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.7	28.1



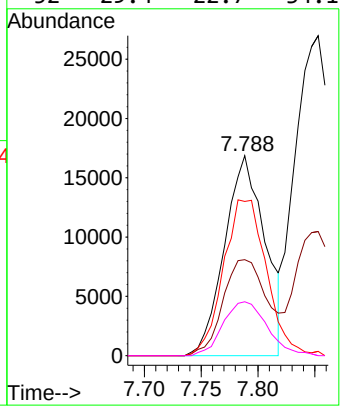


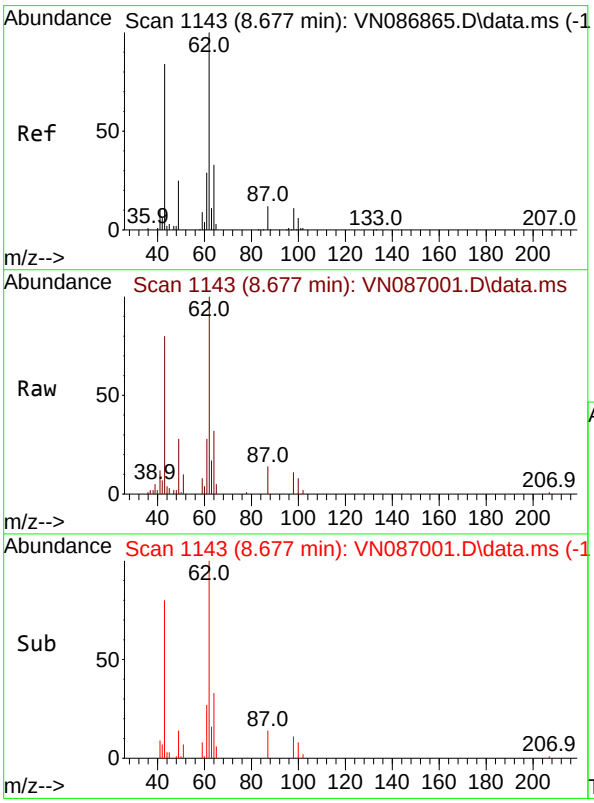
#41
Methacrylonitrile
Concen: 20.456 ug/l
RT: 7.788 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 41 Resp: 41831

Ion	Ratio	Lower	Upper
41	100		
39	51.7	41.2	61.8
67	83.0	61.4	92.2
52	29.4	22.7	34.1

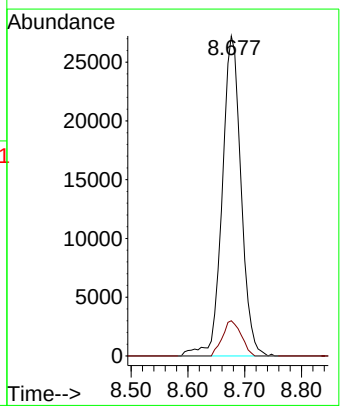


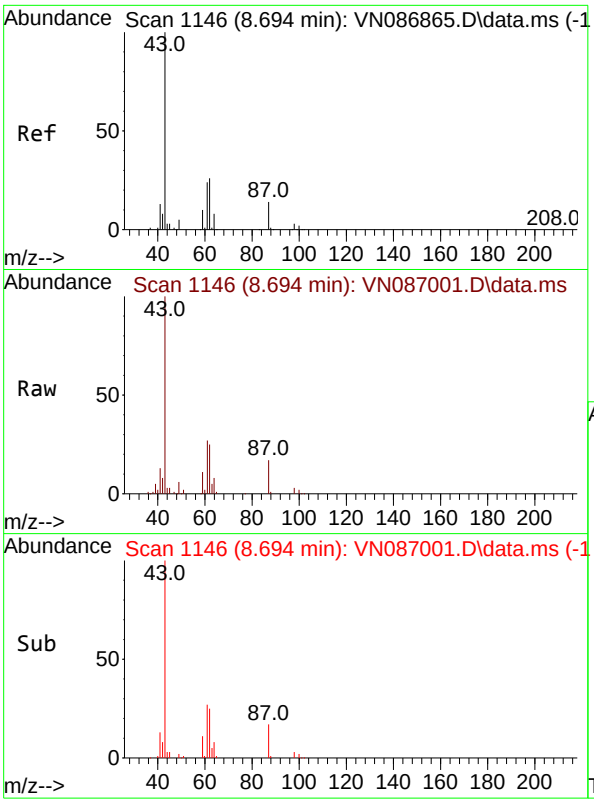


#42
1,2-Dichloroethane
Concen: 22.173 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 62 Resp: 62902

Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	21.2



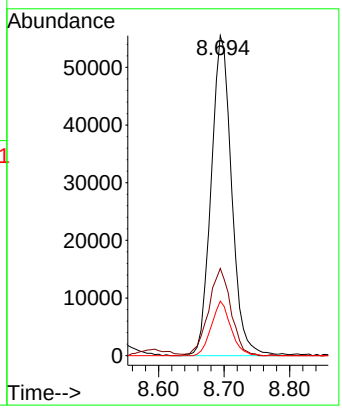


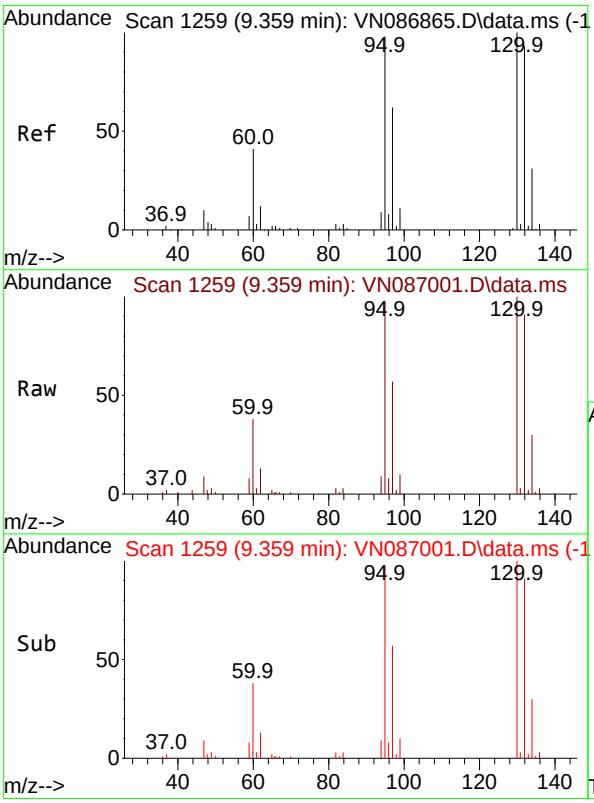
#43
Isopropyl Acetate
Concen: 20.598 ug/l
RT: 8.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 43 Resp: 120374

Ion	Ratio	Lower	Upper
43	100		
61	29.8	22.1	33.1
87	16.2	11.8	17.6

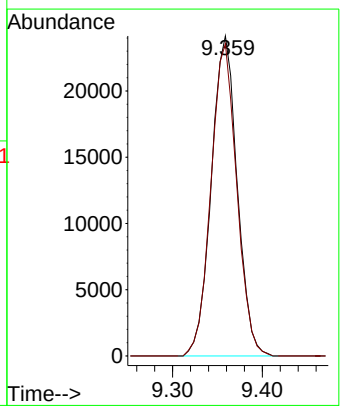


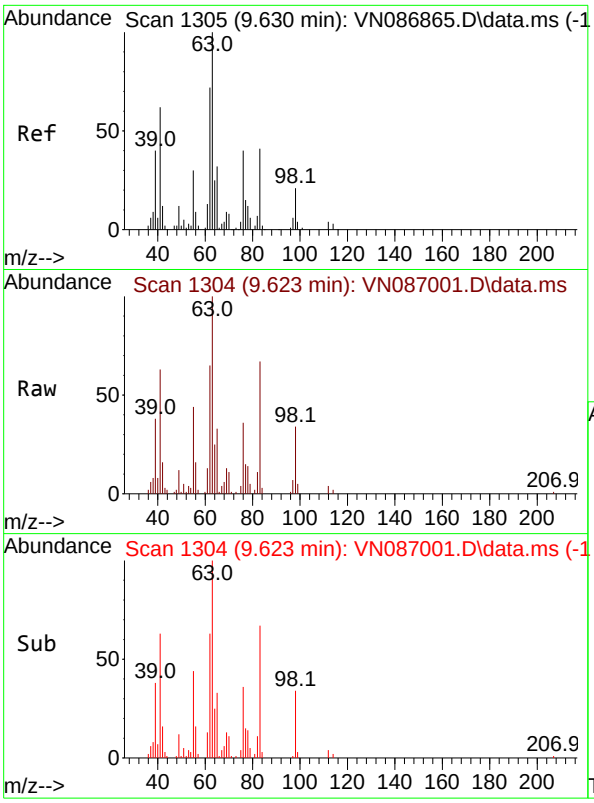


#44
Trichloroethene
Concen: 21.782 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:130 Resp: 48309

Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	196.2



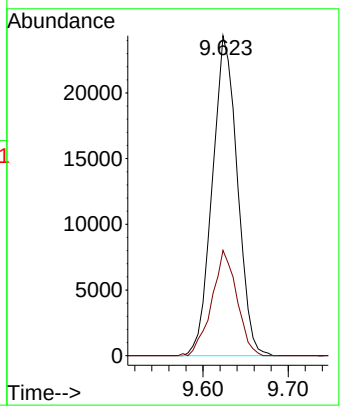


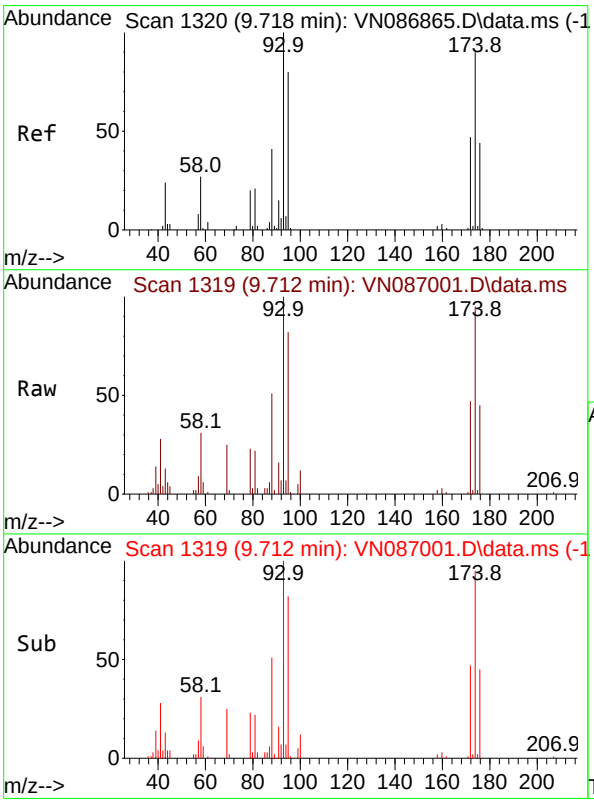
#45
1,2-Dichloropropane
Concen: 21.787 ug/l
RT: 9.623 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 63 Resp: 49577

Ion	Ratio	Lower	Upper
63	100		
65	32.9	25.5	38.3

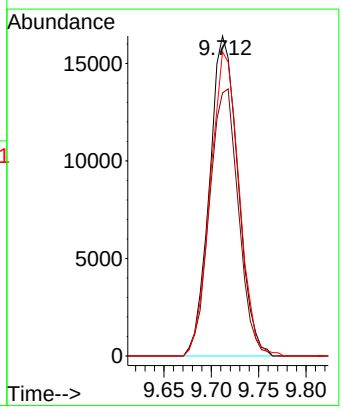


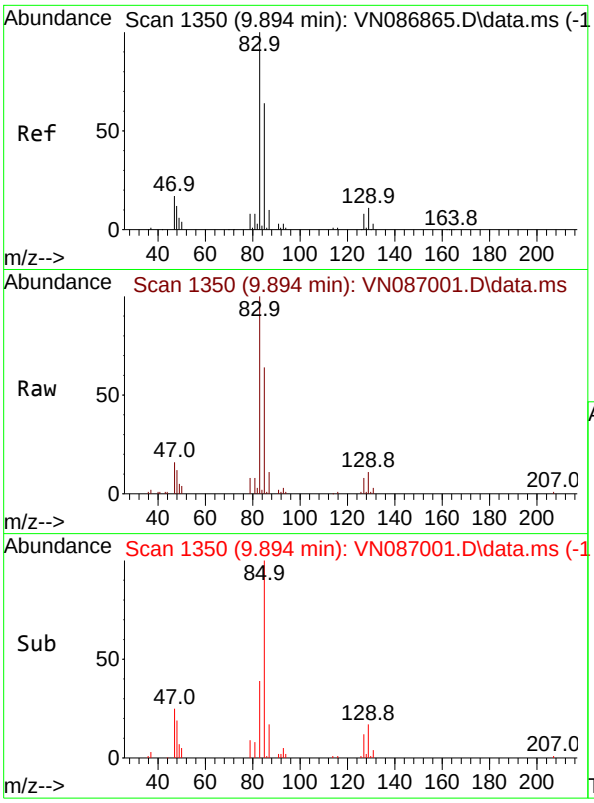


#46
Dibromomethane
Concen: 22.695 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 93 Resp: 34302

Ion	Ratio	Lower	Upper
93	100		
95	84.8	67.1	100.7
174	96.0	74.2	111.4



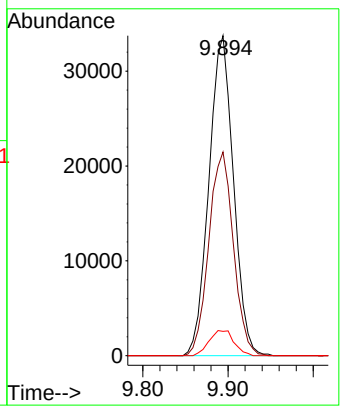


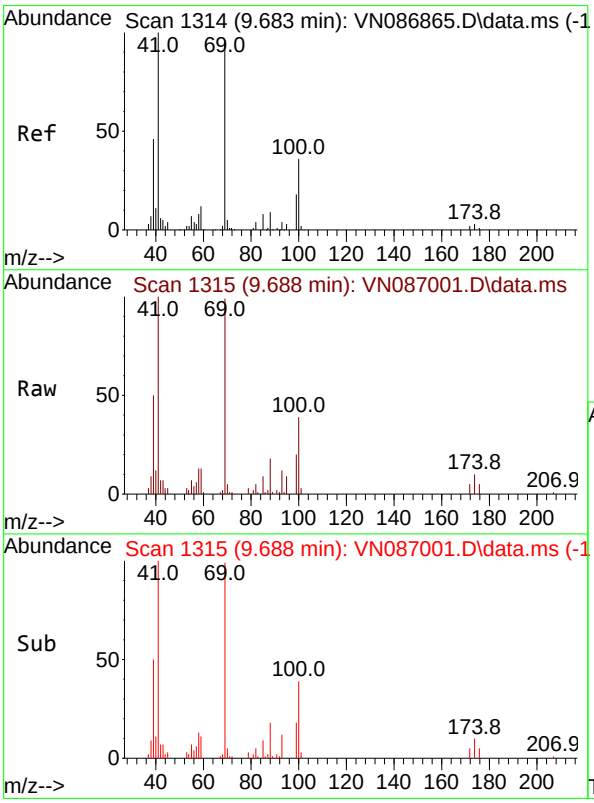
#47
Bromodichloromethane
Concen: 21.690 ug/l
RT: 9.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 83 Resp: 67450

Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3
127	7.6	6.6	10.0

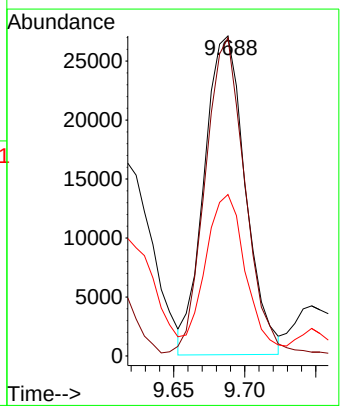


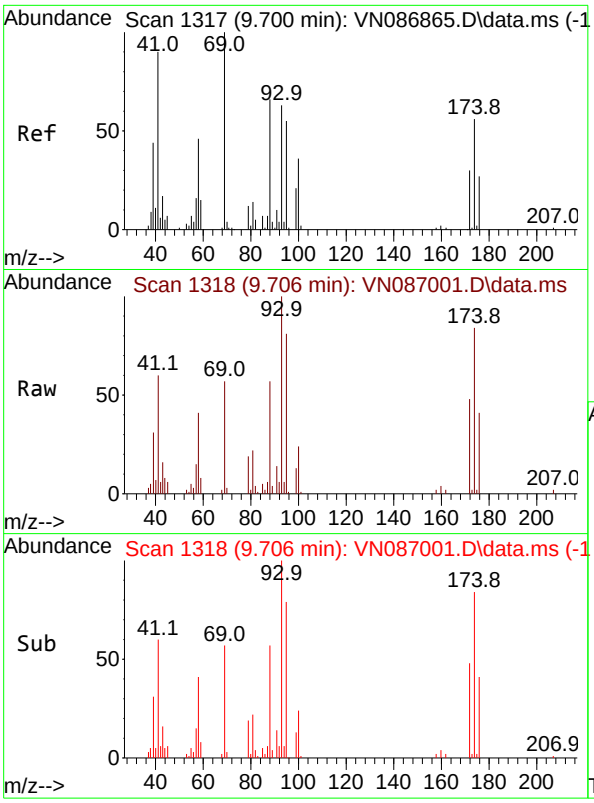


#48
Methyl methacrylate
Concen: 20.281 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 41 Resp: 54551

Ion	Ratio	Lower	Upper
41	100		
69	97.9	74.6	112.0
39	51.1	40.2	60.4



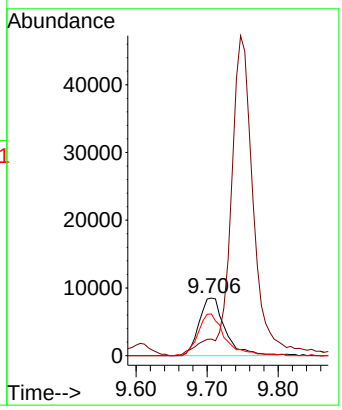


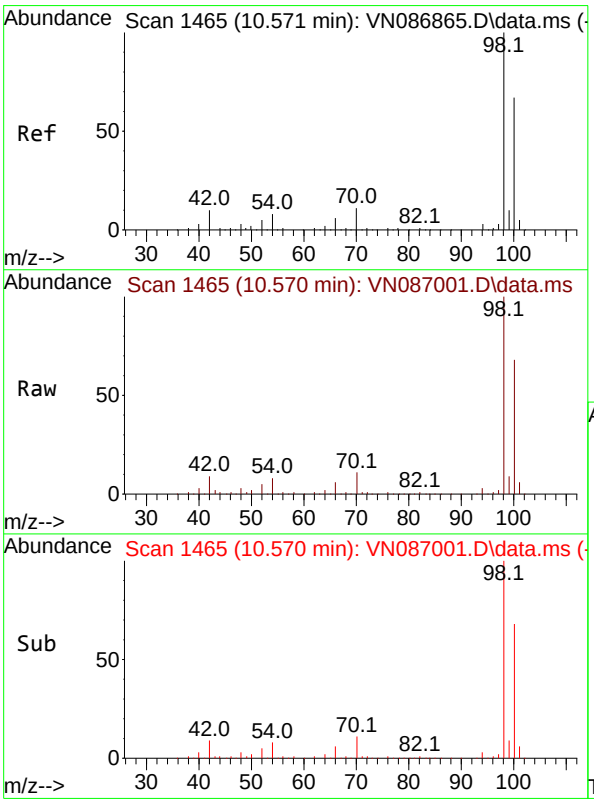
#49
1,4-Dioxane
Concen: 444.867 ug/l
RT: 9.706 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 88 Resp: 21769

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	74.3	57.7	86.5

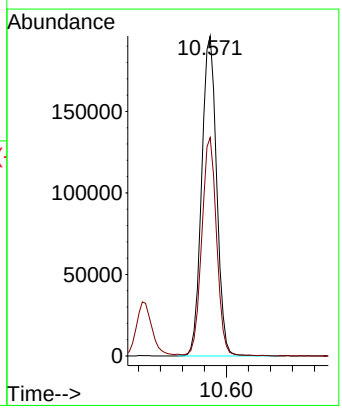


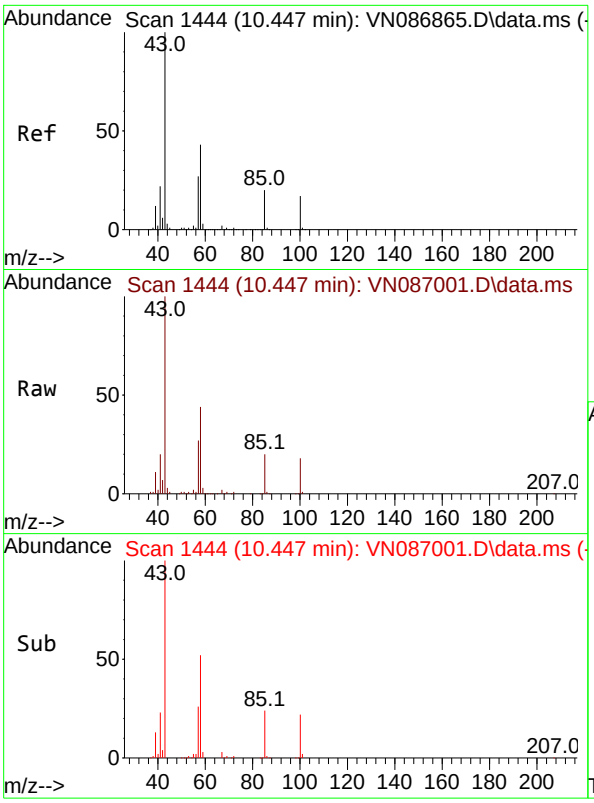


#50
Toluene-d8
Concen: 48.754 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 98 Resp: 370479

Ion	Ratio	Lower	Upper
98	100		
100	67.7	53.4	80.0



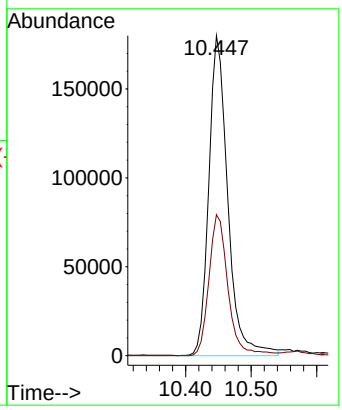


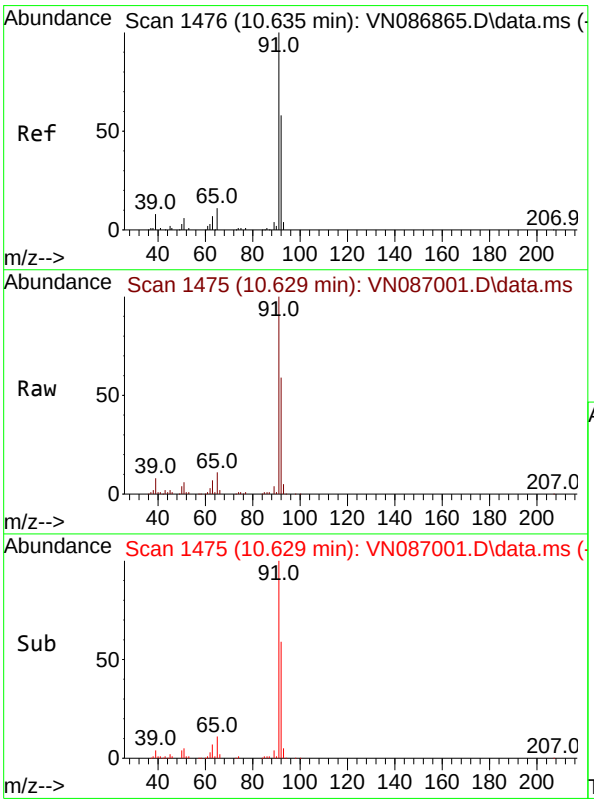
#51
4-Methyl-2-Pentanone
Concen: 102.903 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 43 Resp: 362032

Ion	Ratio	Lower	Upper
43	100		
58	44.4	34.2	51.4

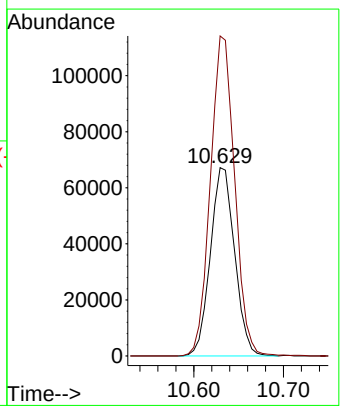


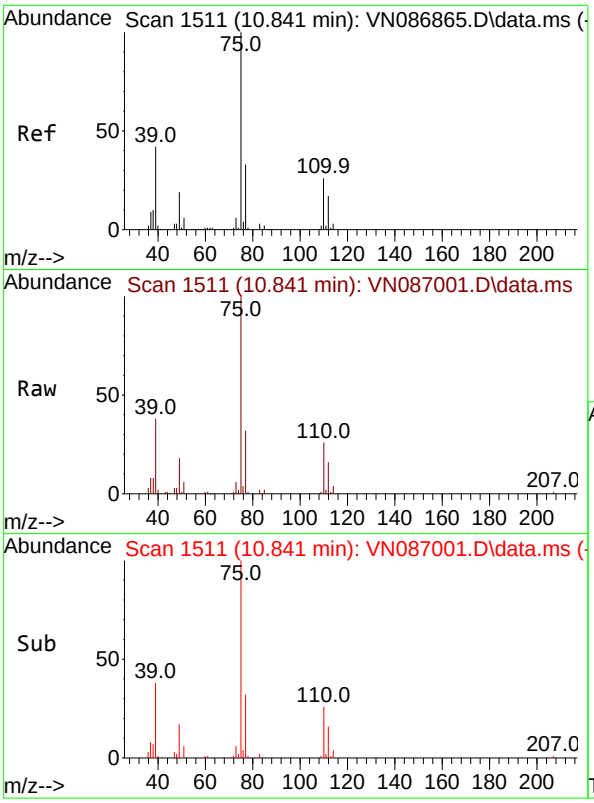


#52
Toluene
Concen: 22.064 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 92 Resp: 126116

Ion	Ratio	Lower	Upper
92	100		
91	170.2	136.5	204.7



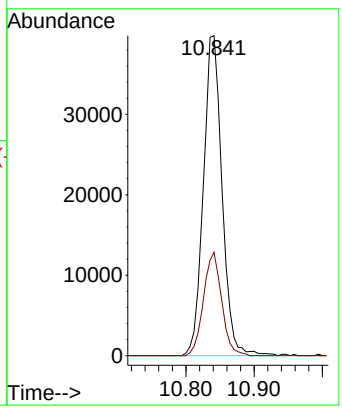


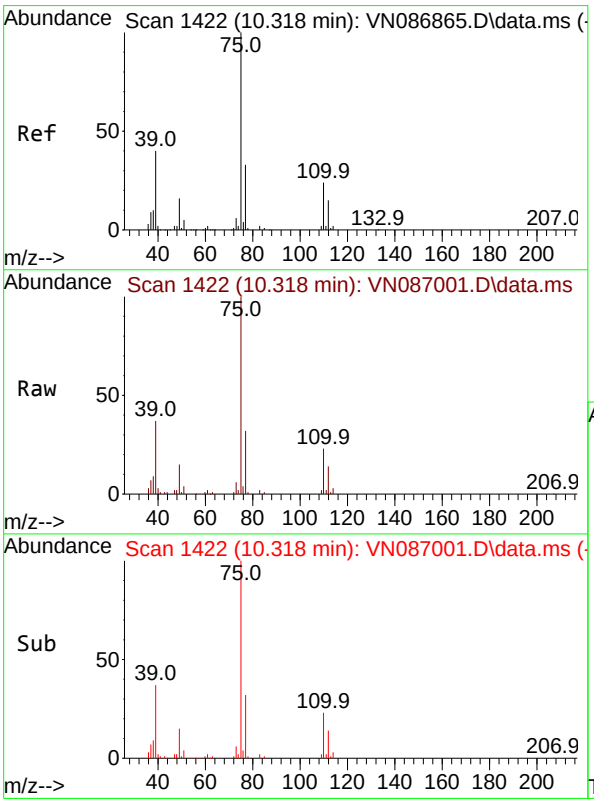
#53
t-1,3-Dichloropropene
Concen: 21.834 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 75 Resp: 75922

Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.4	39.6

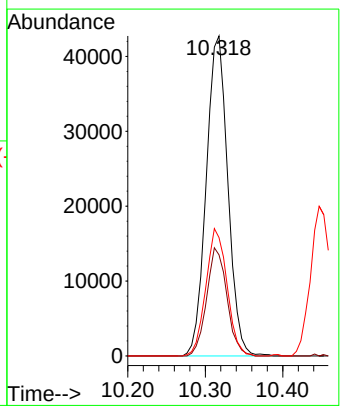


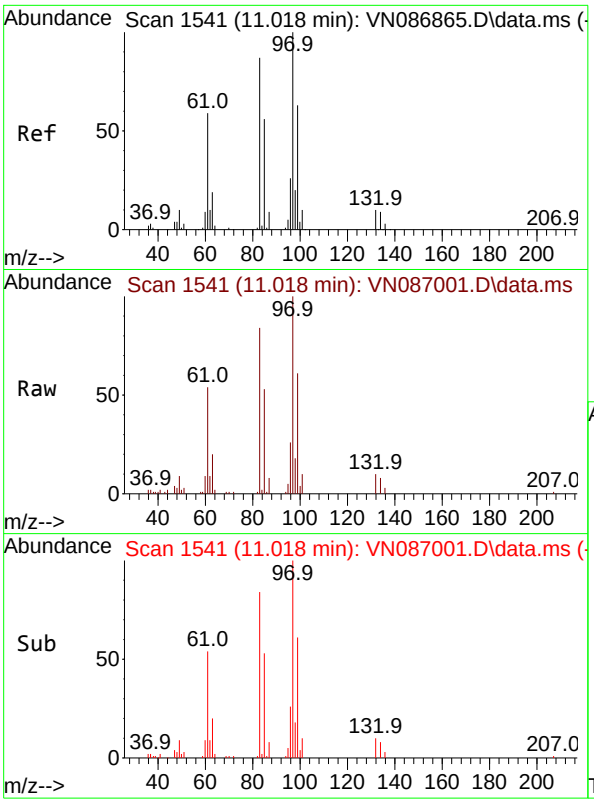


#54
cis-1,3-Dichloropropene
Concen: 22.247 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 75 Resp: 82774

Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.2	39.4
39	37.0	32.3	48.5



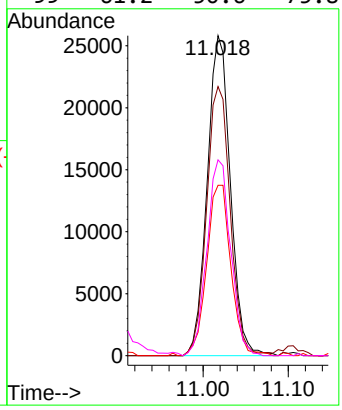


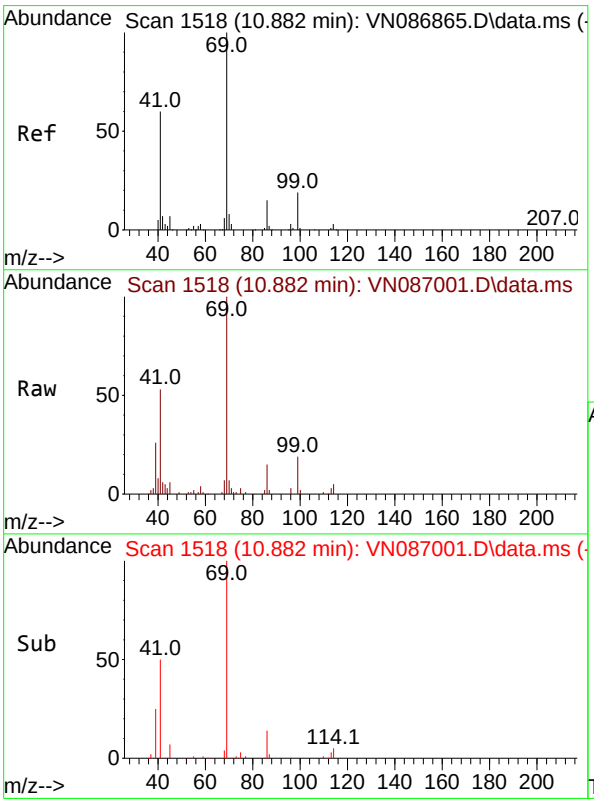
#55
1,1,2-Trichloroethane
Concen: 22.184 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 97 Resp: 48792

Ion	Ratio	Lower	Upper
97	100		
83	84.1	69.7	104.5
85	53.3	45.1	67.7
99	61.2	50.6	75.8

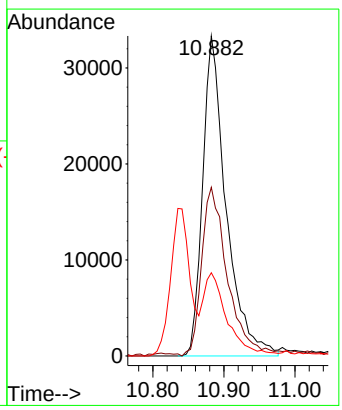


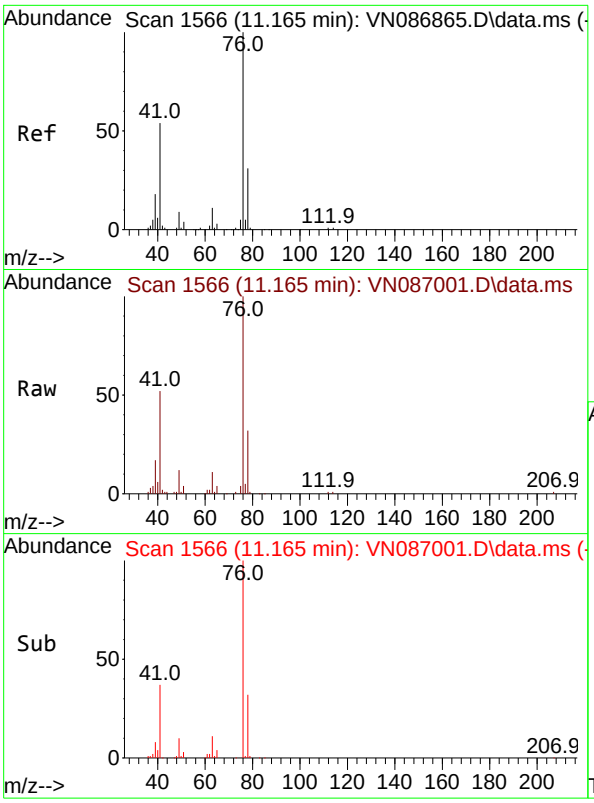


#56
Ethyl methacrylate
Concen: 21.872 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 69 Resp: 76622

Ion	Ratio	Lower	Upper
69	100		
41	59.0	47.2	70.8
39	24.4	23.0	34.6



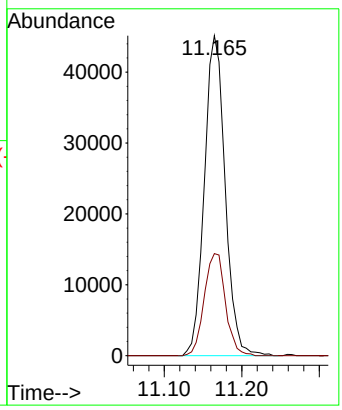


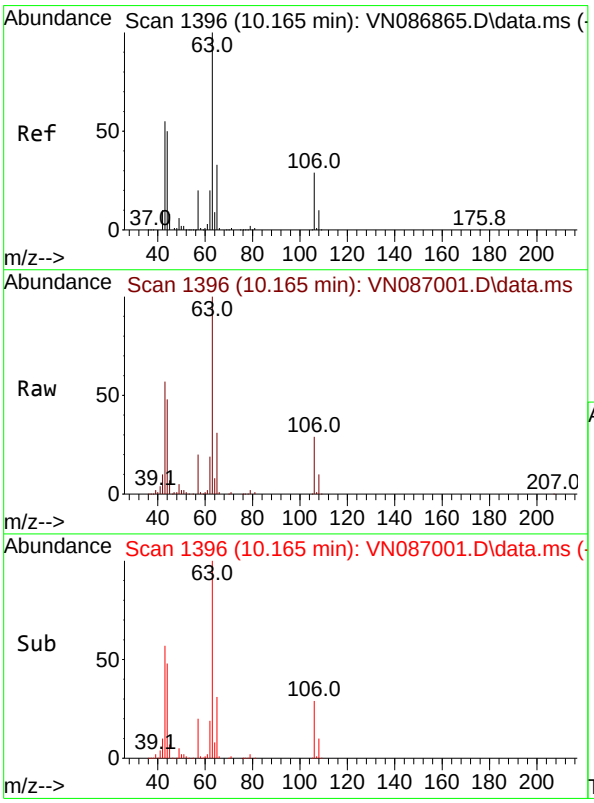
#57
1,3-Dichloropropane
Concen: 22.075 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 76 Resp: 84223

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.3	37.9

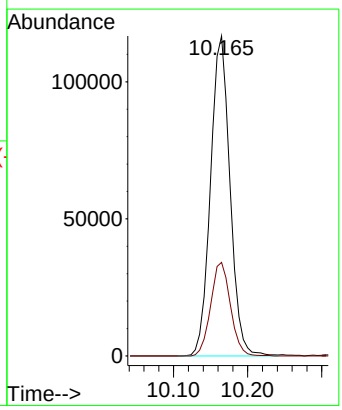


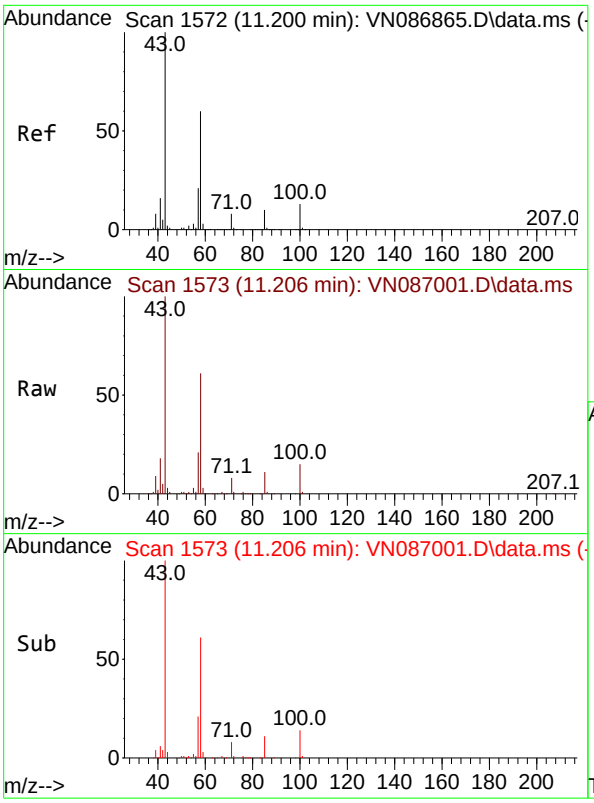


#58
2-Chloroethyl Vinyl ether
Concen: 101.943 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 63 Resp: 213004

Ion	Ratio	Lower	Upper
63	100		
106	29.7	23.0	34.6



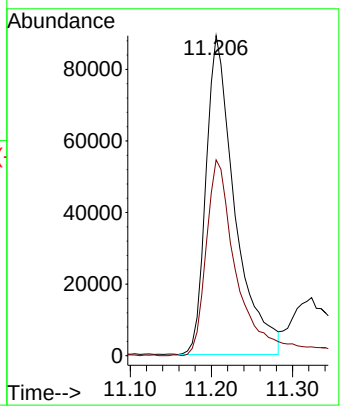


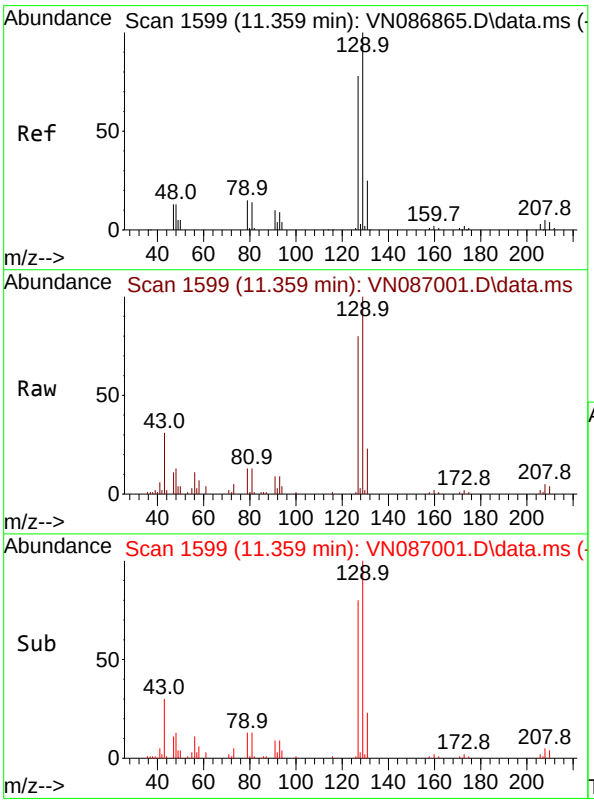
#59
2-Hexanone
Concen: 97.085 ug/l
RT: 11.206 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 43 Resp: 220012

Ion	Ratio	Lower	Upper
43	100		
58	67.1	30.4	91.3

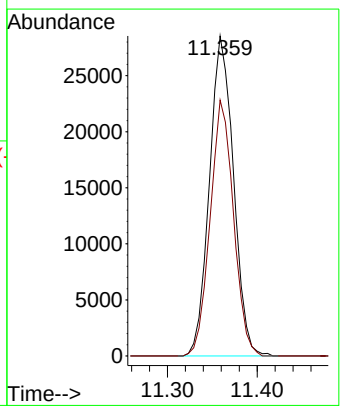


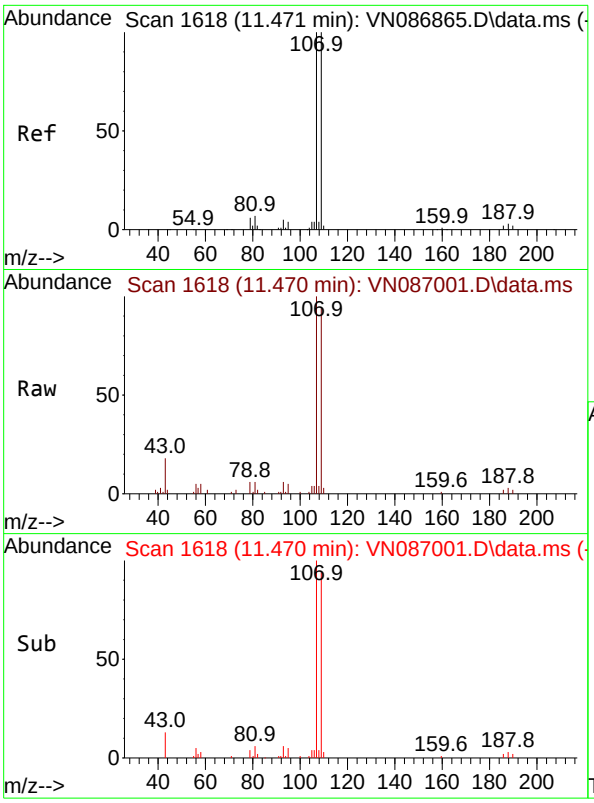


#60
Dibromochloromethane
Concen: 23.160 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:129 Resp: 53072

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.6	115.8



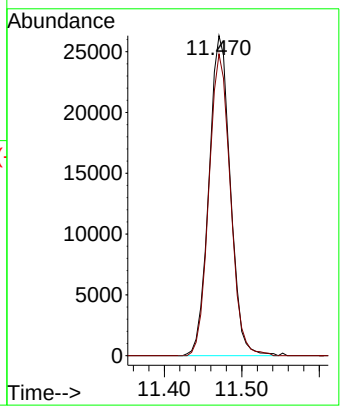


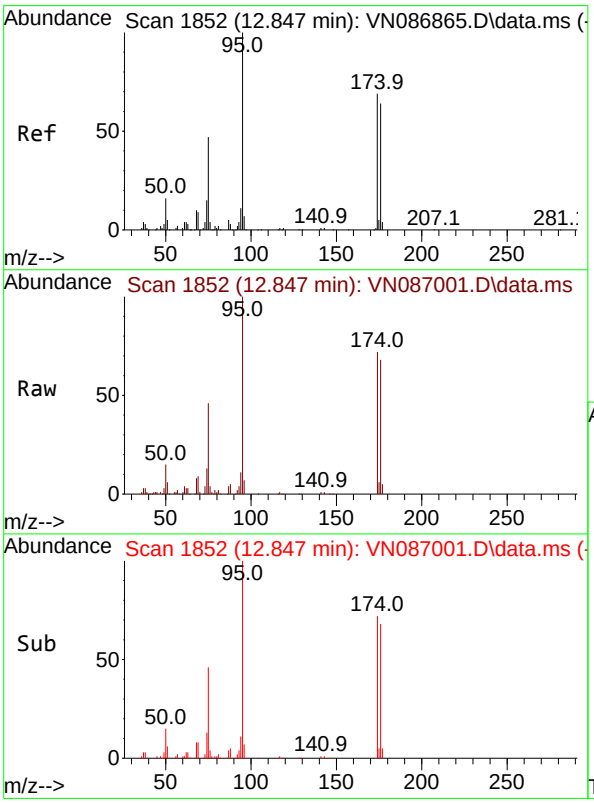
#61
1,2-Dibromoethane
Concen: 22.389 ug/l
RT: 11.470 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion:107 Resp: 50474

Ion	Ratio	Lower	Upper
107	100		
109	94.6	76.3	114.5

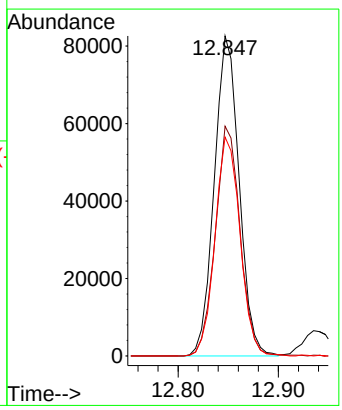


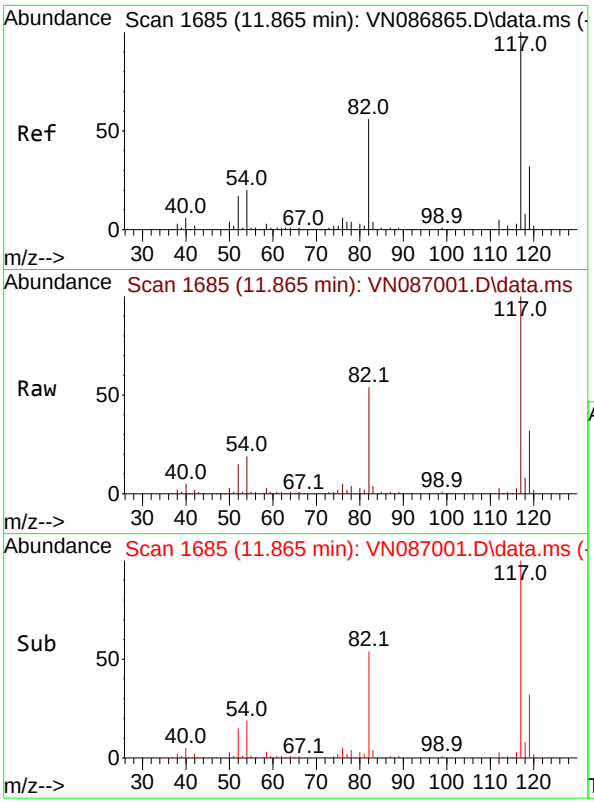


#62
4-Bromofluorobenzene
Concen: 50.331 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 95 Resp: 142094

Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	141.8
176	69.1	0.0	132.6



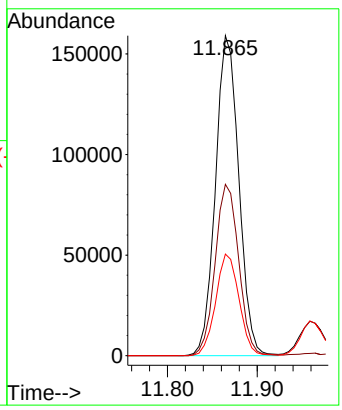


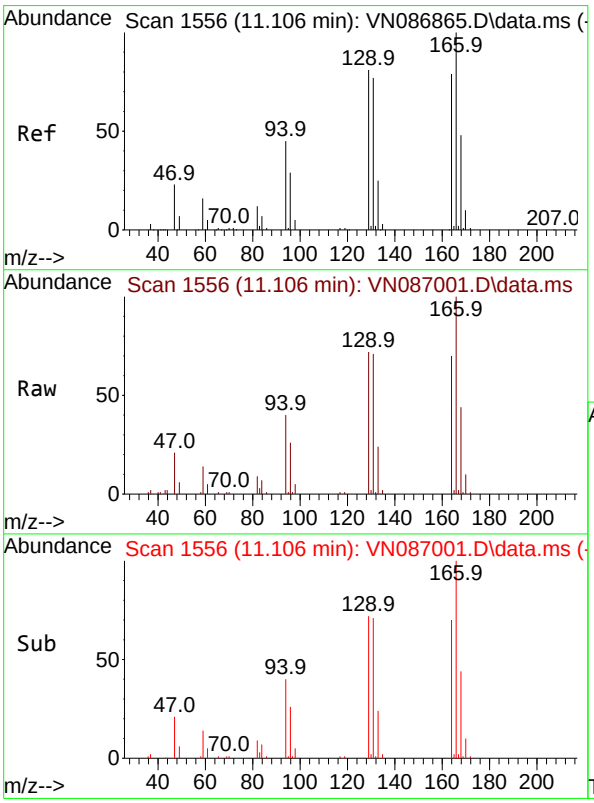
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion:117 Resp: 287455

Ion	Ratio	Lower	Upper
117	100		
82	53.6	44.6	67.0
119	31.8	25.5	38.3

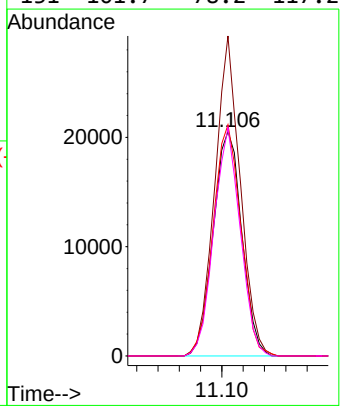


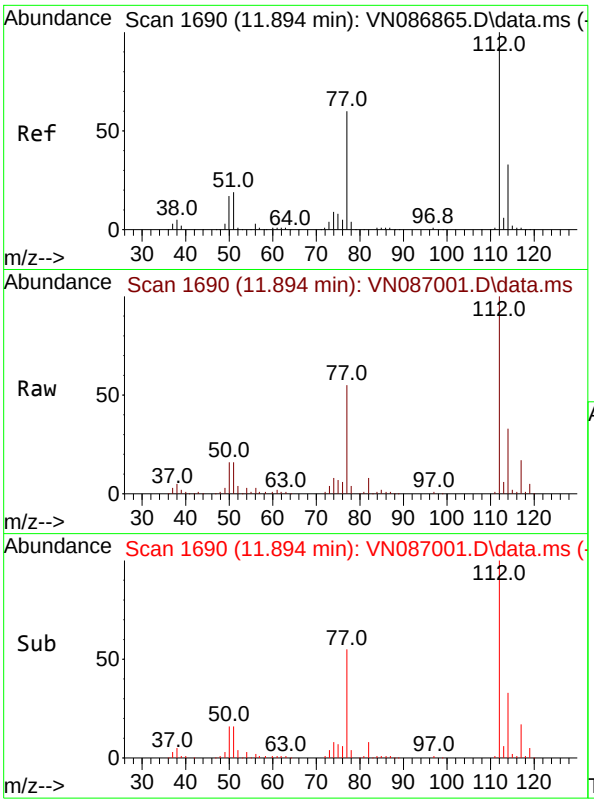


#64
Tetrachloroethene
Concen: 20.953 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:164 Resp: 38118

Ion	Ratio	Lower	Upper
164	100		
166	142.7	101.8	152.8
129	103.1	83.0	124.4
131	101.7	78.2	117.2



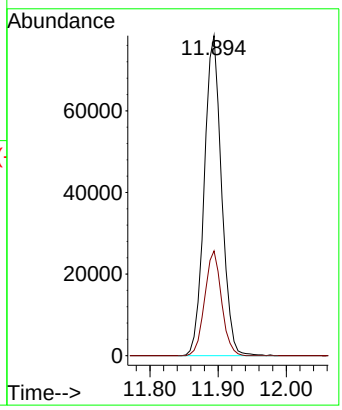


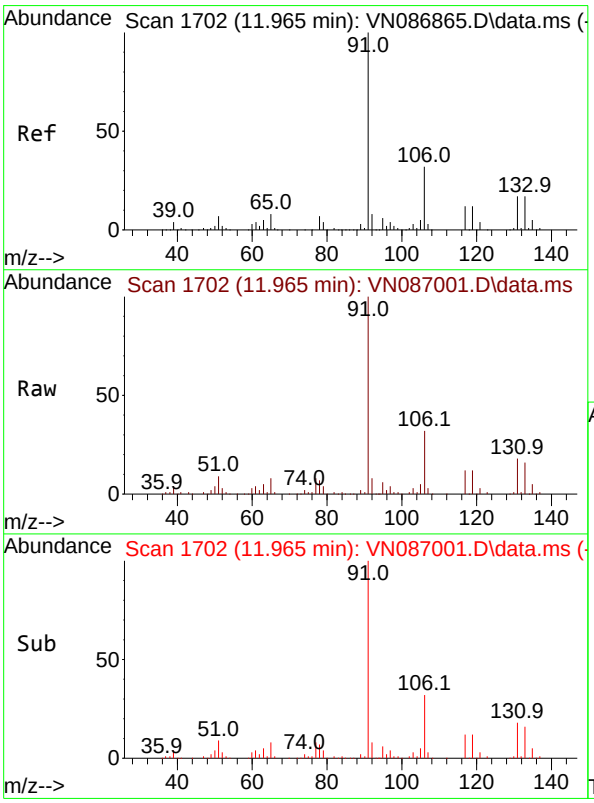
#65
Chlorobenzene
Concen: 21.819 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion:112 Resp: 138331

Ion	Ratio	Lower	Upper
112	100		
114	32.8	26.2	39.2

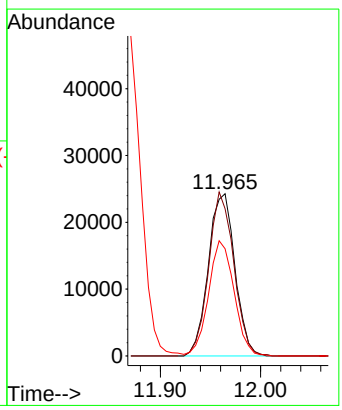


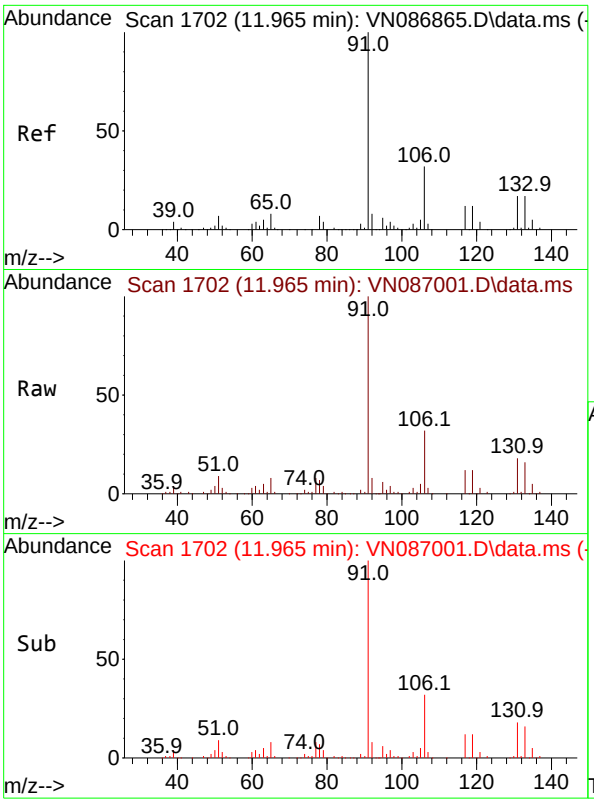


#66
1,1,1,2-Tetrachloroethane
Concen: 22.016 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:131 Resp: 44867

Ion	Ratio	Lower	Upper
131	100		
133	95.4	48.3	144.8
119	68.1	34.0	101.8



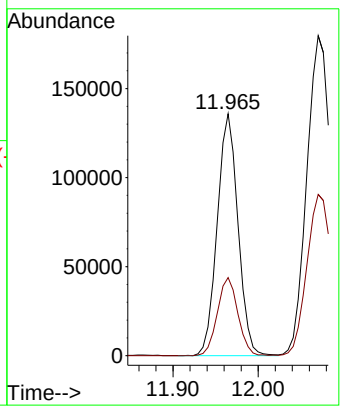


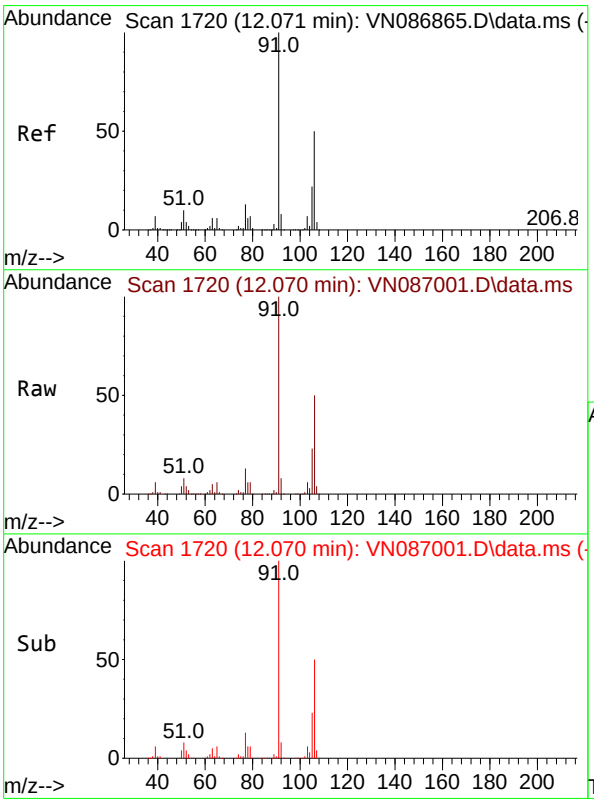
#67
Ethyl Benzene
Concen: 21.075 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 91 Resp: 230147

Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.4	38.2

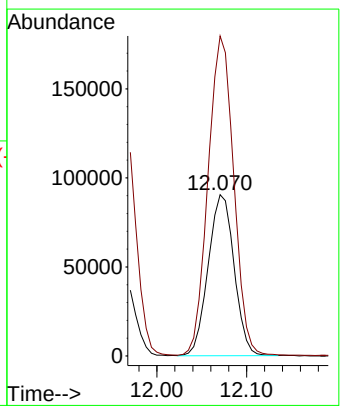


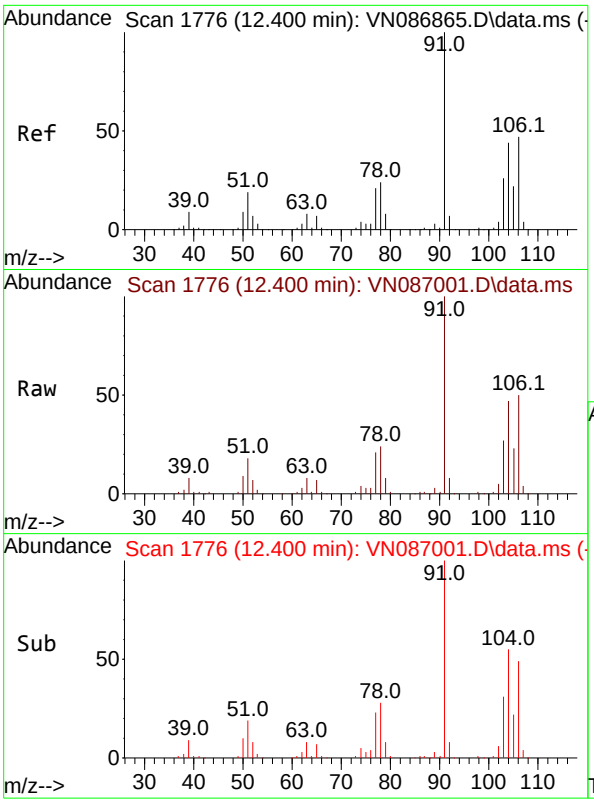


#68
m/p-Xylenes
Concen: 43.378 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:106 Resp: 181334

Ion	Ratio	Lower	Upper
106	100		
91	197.1	159.4	239.0



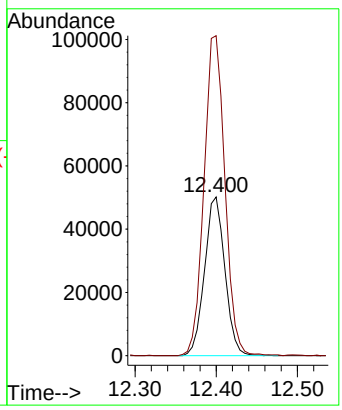


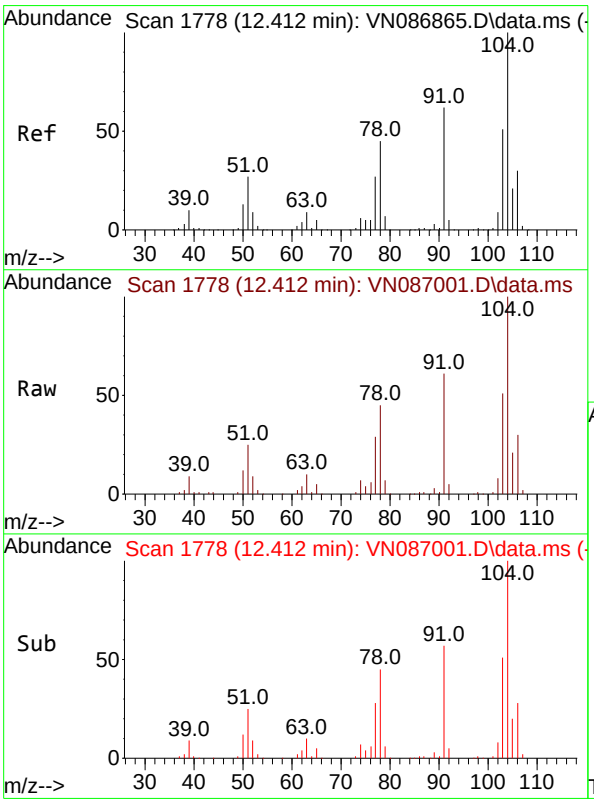
#69
o-Xylene
Concen: 21.772 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion:106 Resp: 87167

Ion	Ratio	Lower	Upper
106	100		
91	207.4	106.1	318.1

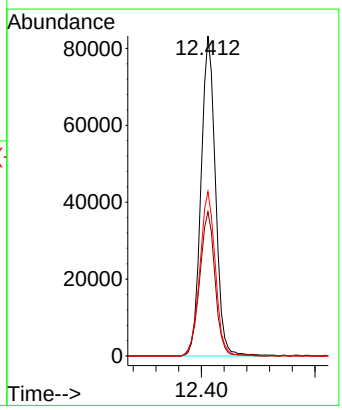


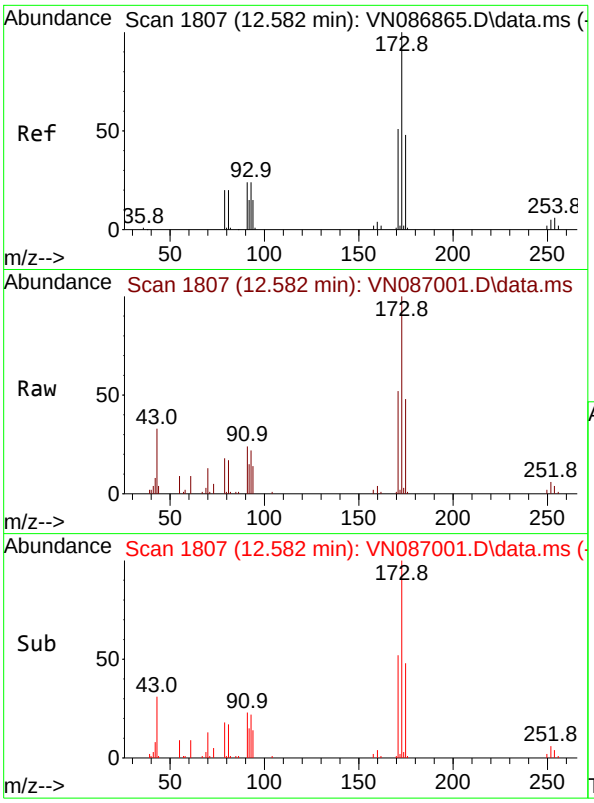


#70
Styrene
Concen: 21.429 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:104 Resp: 146813

Ion	Ratio	Lower	Upper
104	100		
78	47.9	38.5	57.7
103	54.9	43.1	64.7



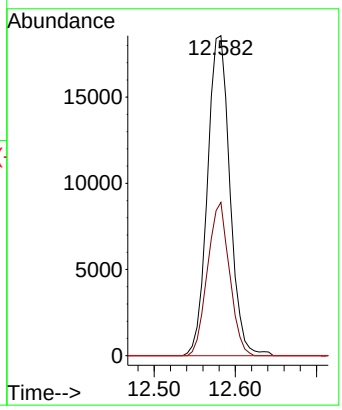


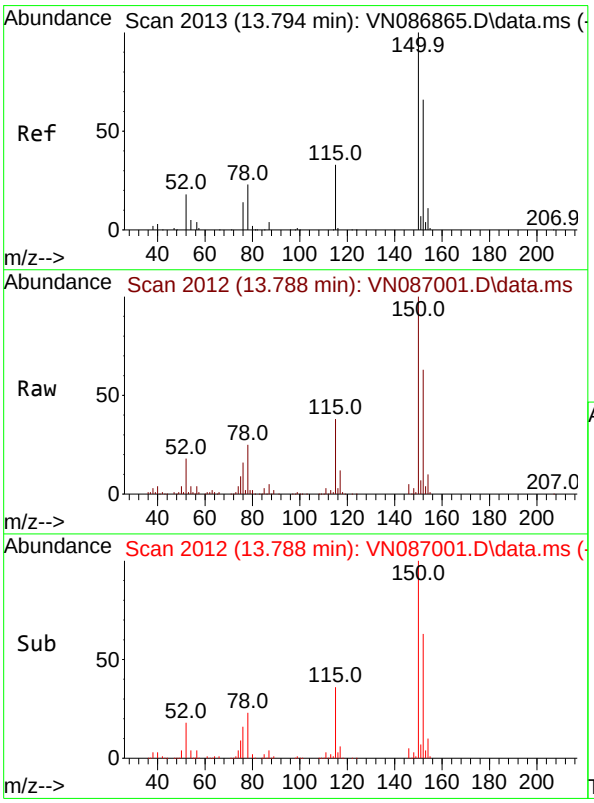
#71
Bromoform
Concen: 23.552 ug/l
RT: 12.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion:173 Resp: 35564

Ion	Ratio	Lower	Upper
173	100		
175	47.0	24.1	72.4
254	0.0	0.0	0.0

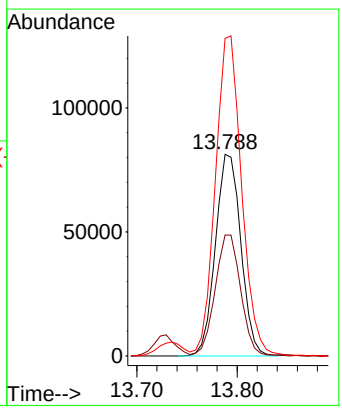


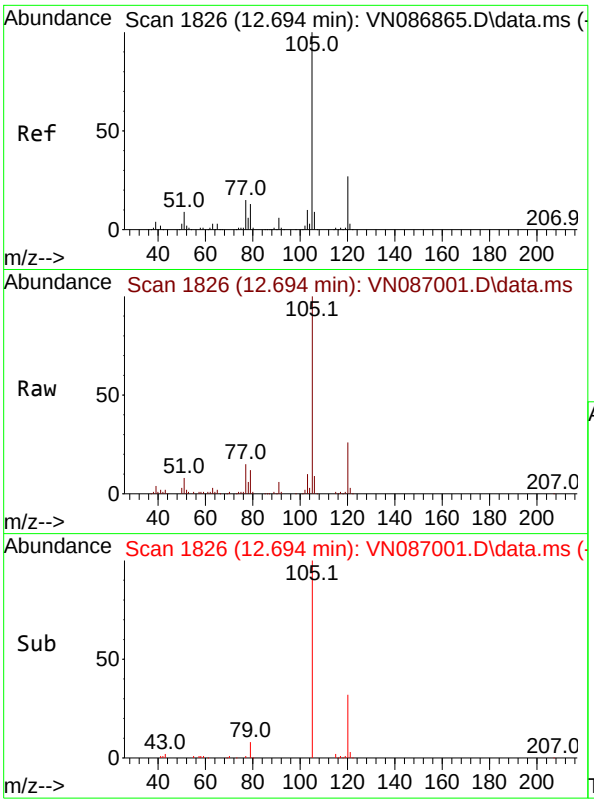


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:152 Resp: 143189

Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.1	90.5
150	163.9	0.0	345.0



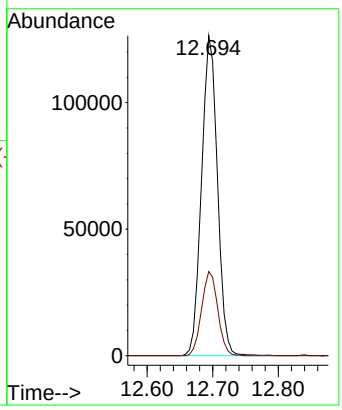


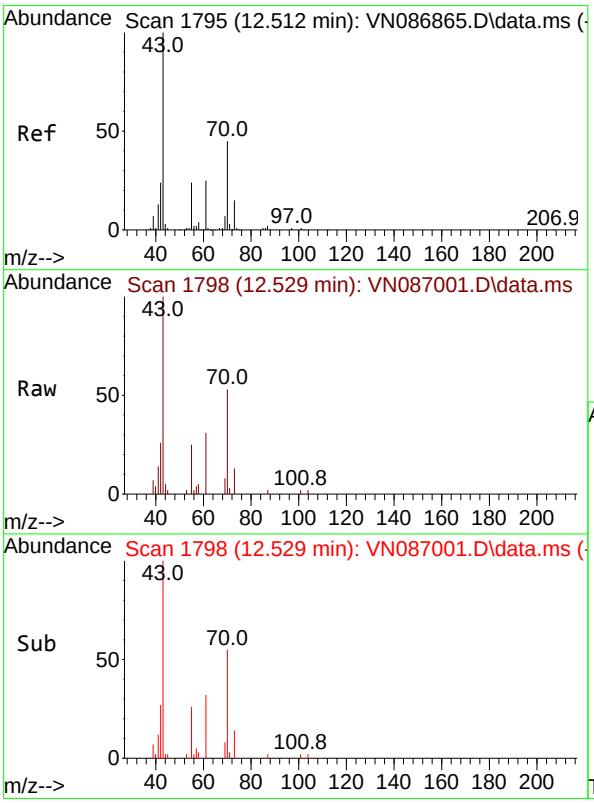
#73
Isopropylbenzene
Concen: 20.440 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion:105 Resp: 213224

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.5	40.4

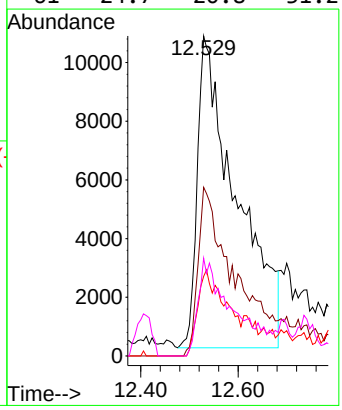


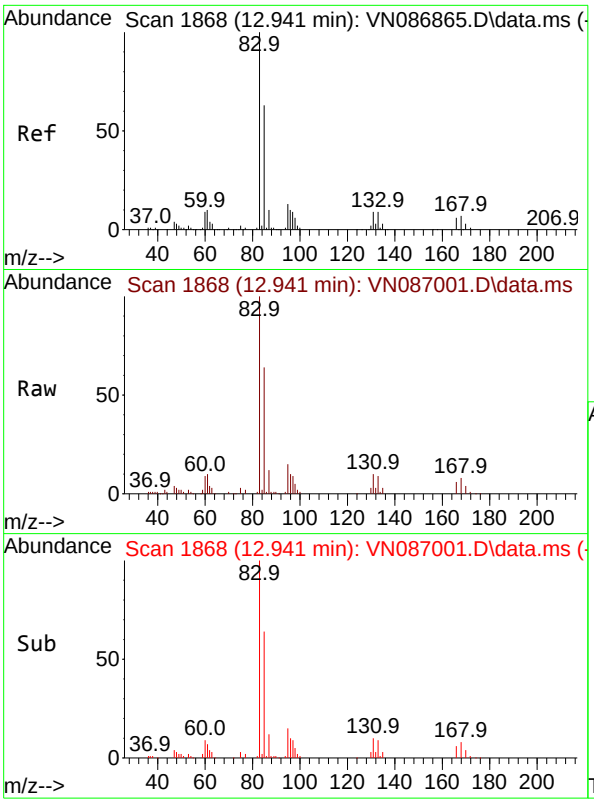


#74
N-amyl acetate
Concen: 16.267 ug/l
RT: 12.529 min Scan# 1798
Delta R.T. 0.017 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 43 Resp: 59296

Ion	Ratio	Lower	Upper
43	100		
70	41.6	37.6	56.4
55	19.9	19.0	28.6
61	24.7	20.8	31.2



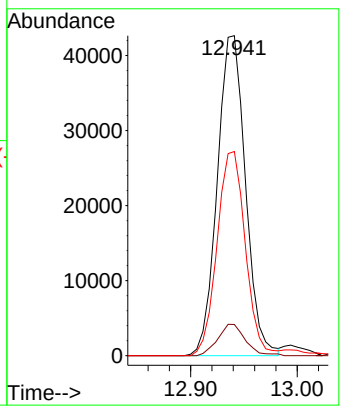


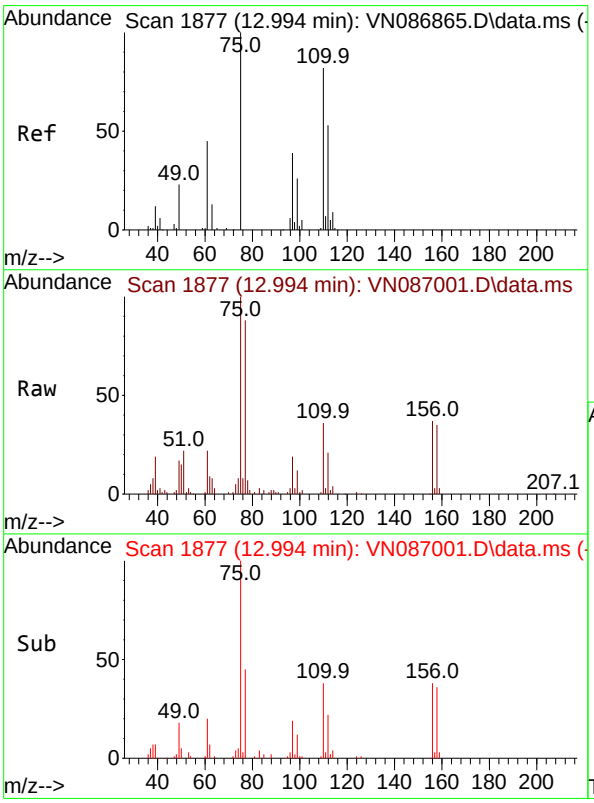
#75
1,1,2,2-Tetrachloroethane
Concen: 22.222 ug/l
RT: 12.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 83 Resp: 78532

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.9	14.7
85	63.8	32.0	96.0

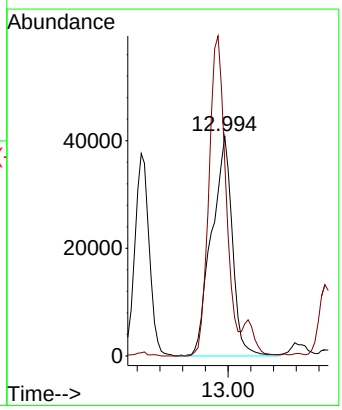


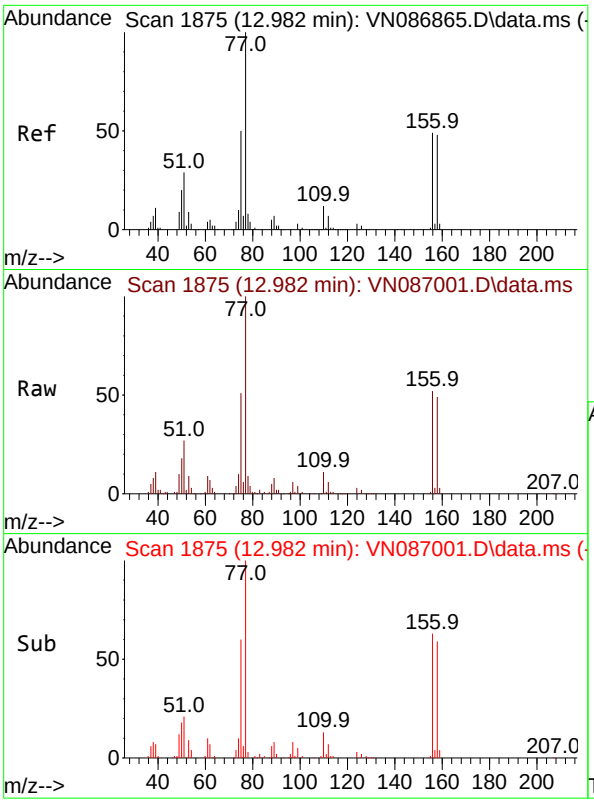


#76
1,2,3-Trichloropropane
Concen: 30.389 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 75 Resp: 103434

Ion	Ratio	Lower	Upper
75	100		
77	117.3	79.3	237.9



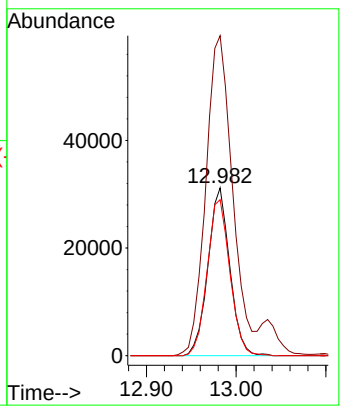


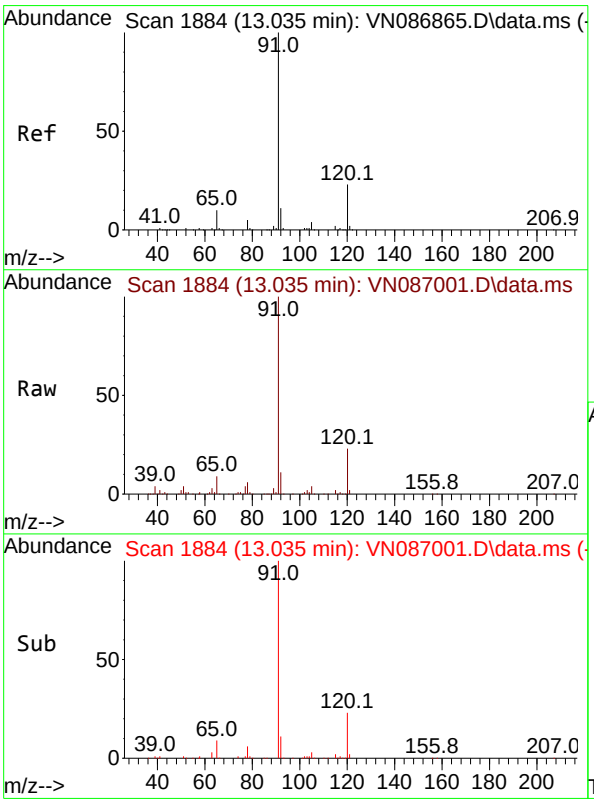
#77
Bromobenzene
Concen: 22.007 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion:156 Resp: 52646

Ion	Ratio	Lower	Upper
156	100		
77	230.6	117.7	353.1
158	96.7	48.1	144.4

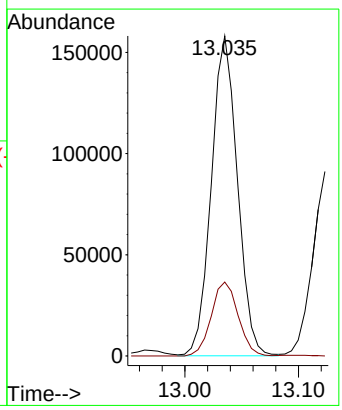


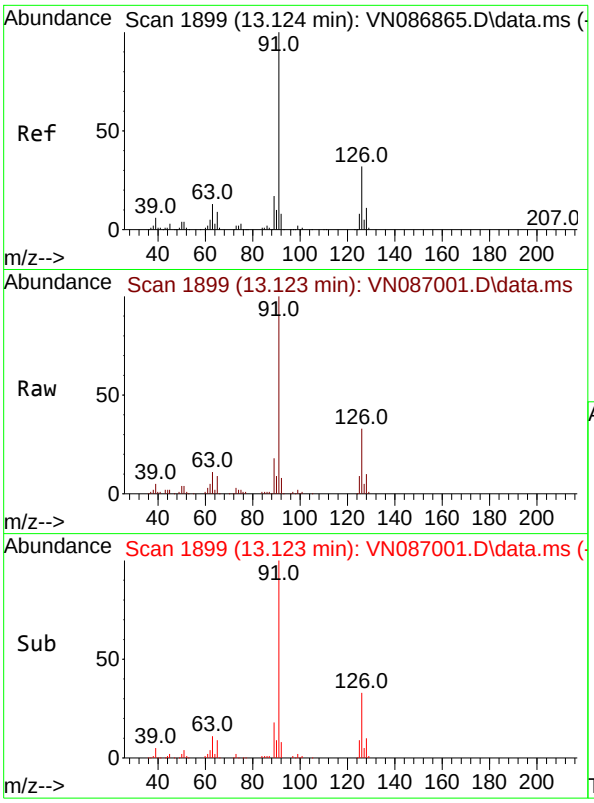


#78
n-propylbenzene
Concen: 19.917 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 91 Resp: 252489

Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.4	34.2



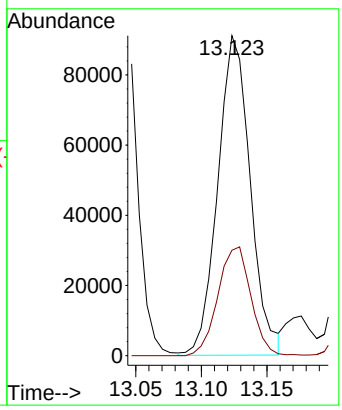


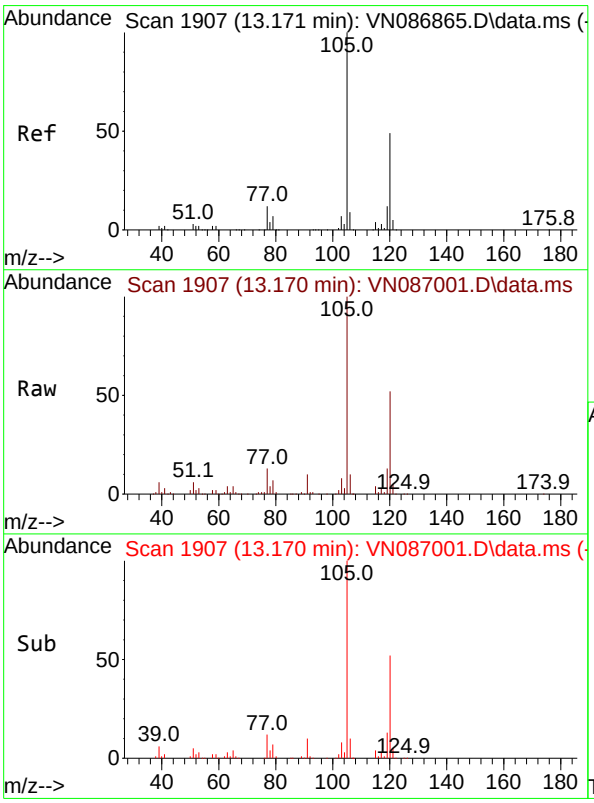
#79
2-Chlorotoluene
Concen: 20.646 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 91 Resp: 156960

Ion	Ratio	Lower	Upper
91	100		
126	34.6	16.2	48.5

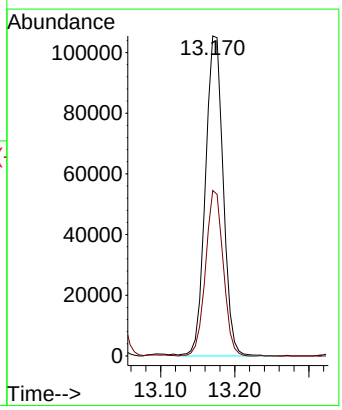


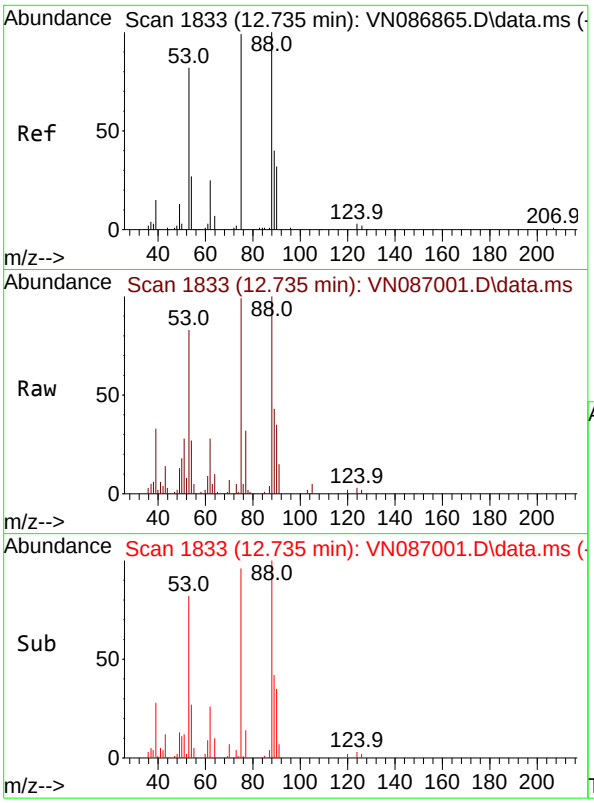


#80
1,3,5-Trimethylbenzene
Concen: 20.375 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:105 Resp: 175480

Ion	Ratio	Lower	Upper
105	100		
120	51.5	24.9	74.6



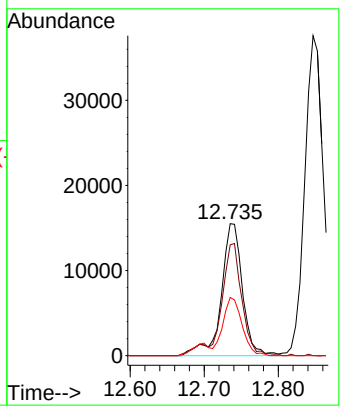


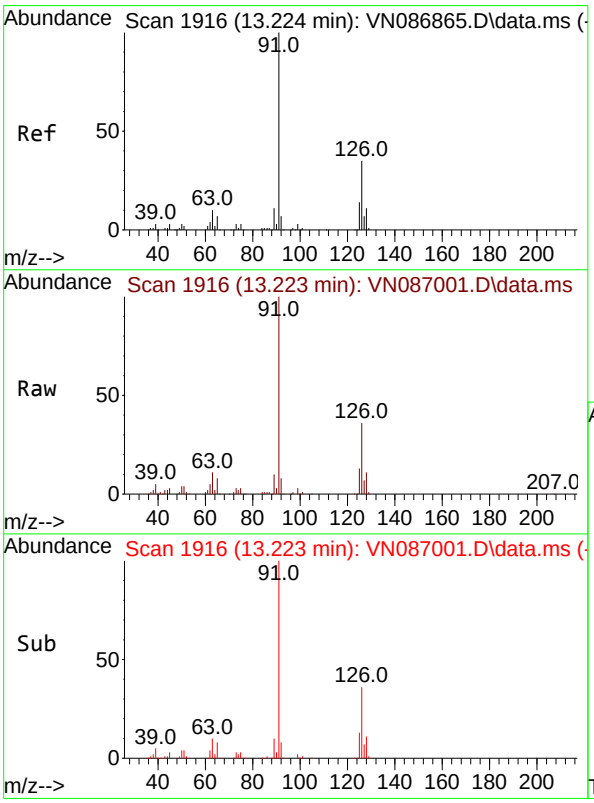
#81
trans-1,4-Dichloro-2-butene
Concen: 20.850 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 75 Resp: 30829

Ion	Ratio	Lower	Upper
75	100		
53	83.3	66.6	99.8
89	39.6	36.7	55.1

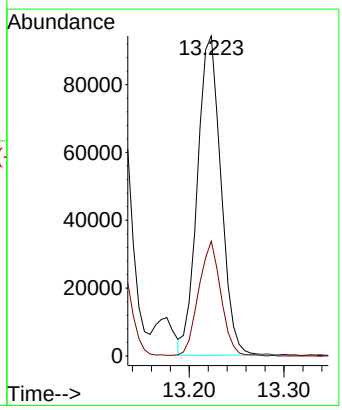


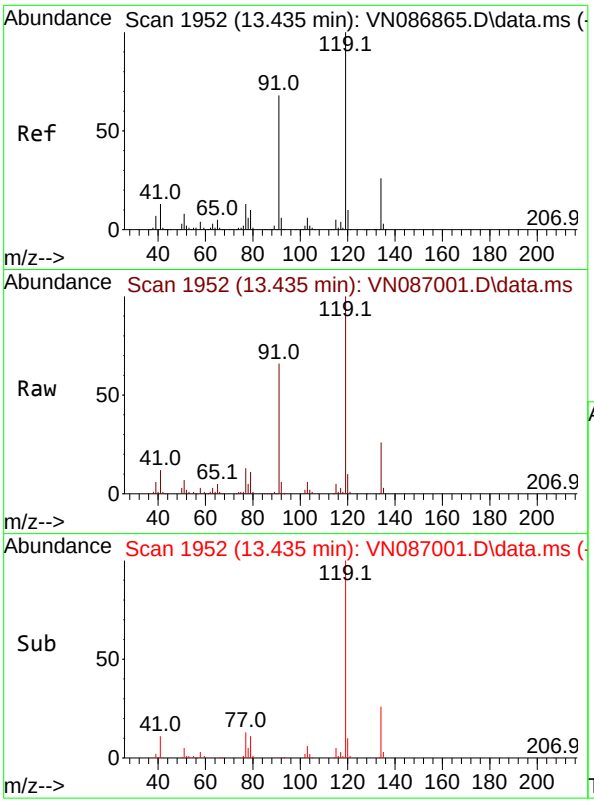


#82
4-Chlorotoluene
Concen: 21.111 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 91 Resp: 162398

Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.7	50.1



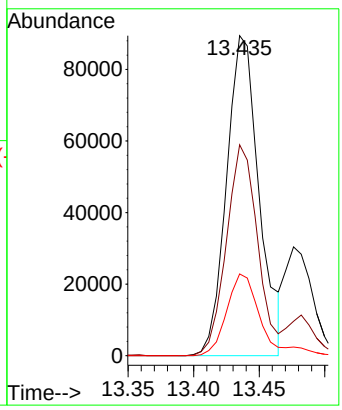


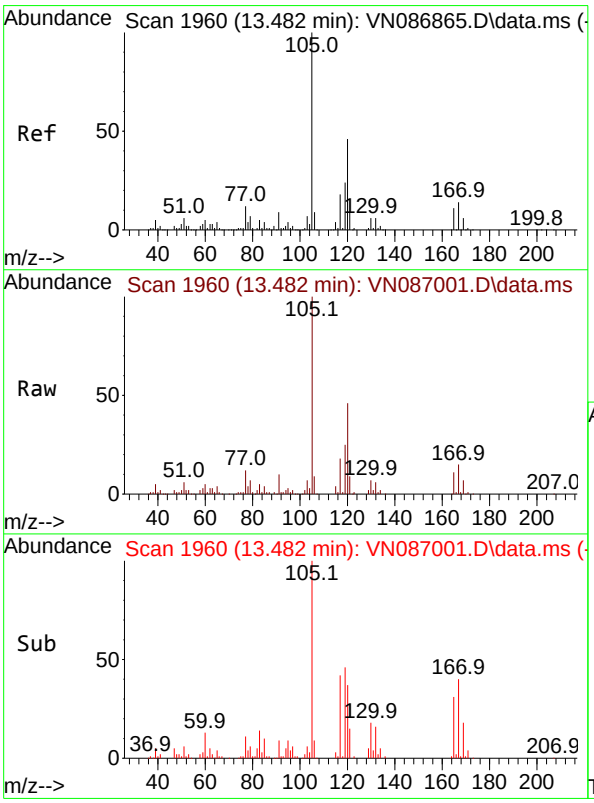
#83
tert-Butylbenzene
Concen: 19.618 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion:119 Resp: 154658

Ion	Ratio	Lower	Upper
119	100		
91	63.2	32.1	96.5
134	26.8	13.4	40.1

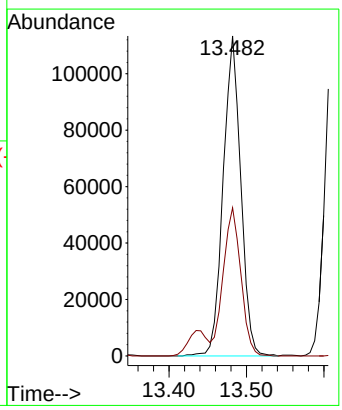


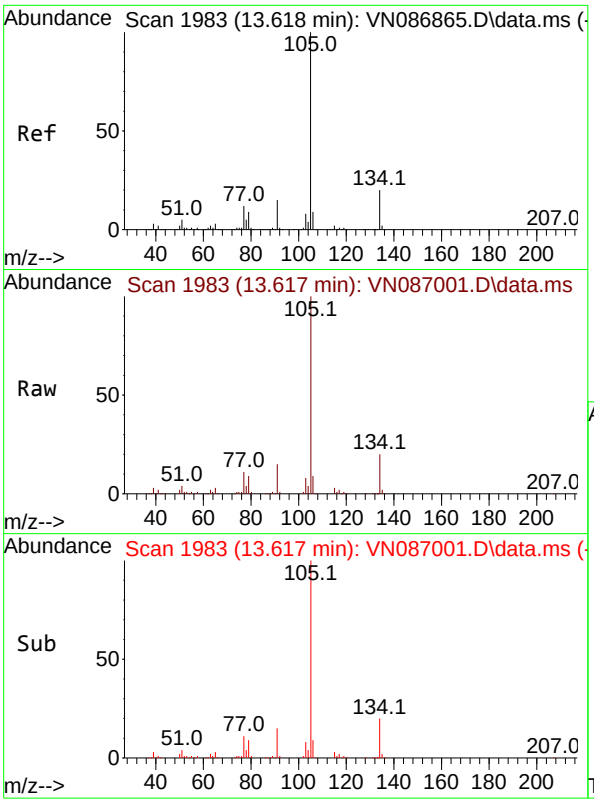


#84
1,2,4-Trimethylbenzene
Concen: 20.782 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:105 Resp: 179474

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.2	69.6



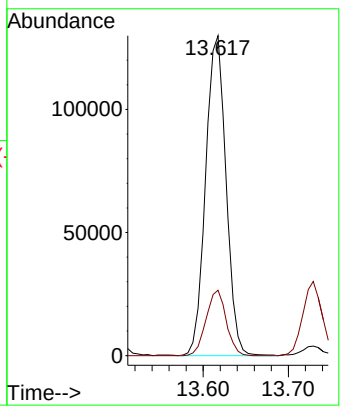


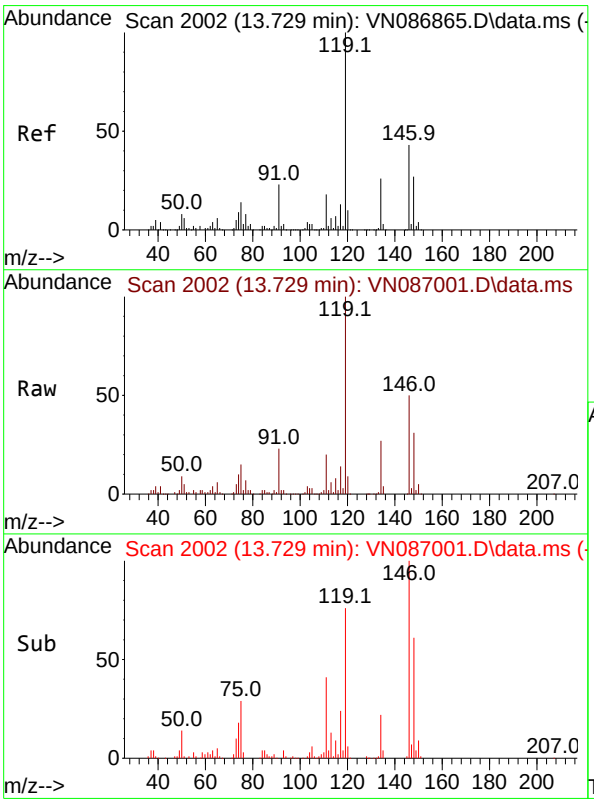
#85
sec-Butylbenzene
Concen: 18.932 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion:105 Resp: 216743

Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.0	30.0

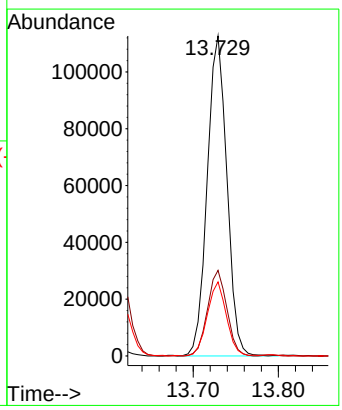


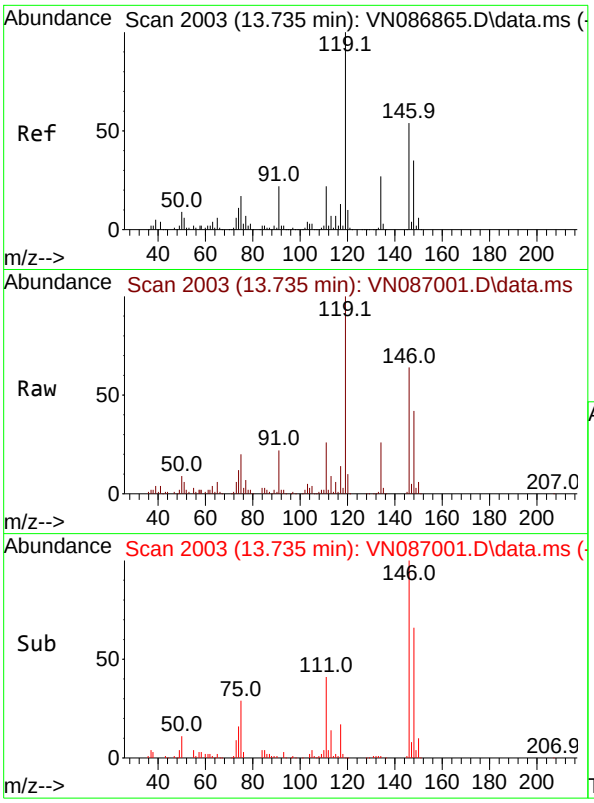


#86
p-Isopropyltoluene
Concen: 19.098 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:119 Resp: 180744

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.5	40.4
91	22.6	11.5	34.4



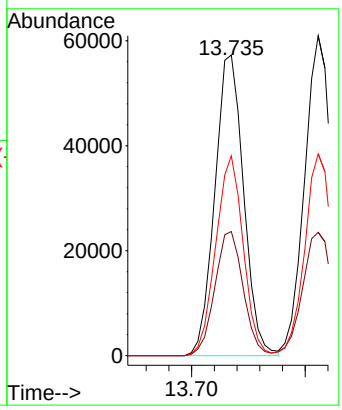


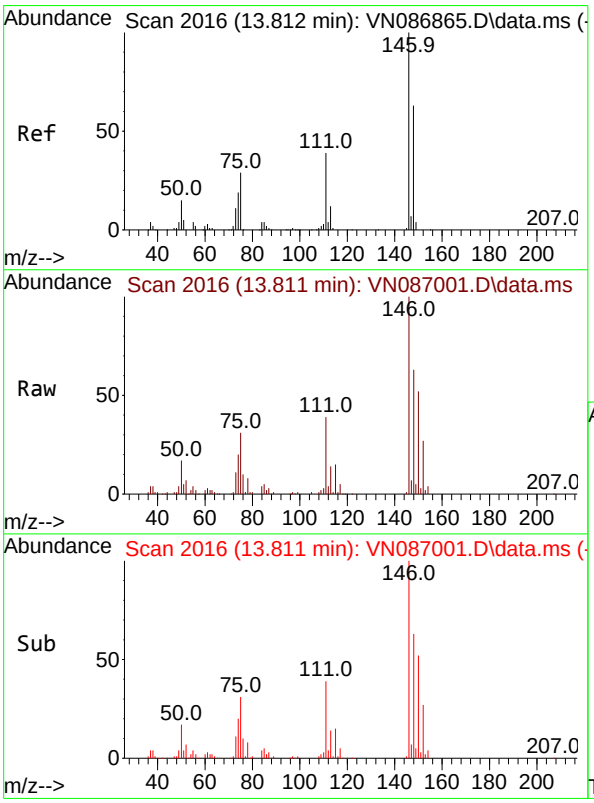
#87
1,3-Dichlorobenzene
Concen: 21.409 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion:146 Resp: 100767

Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.9	62.8
148	63.4	32.0	96.2

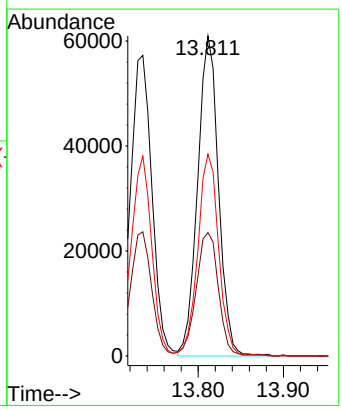


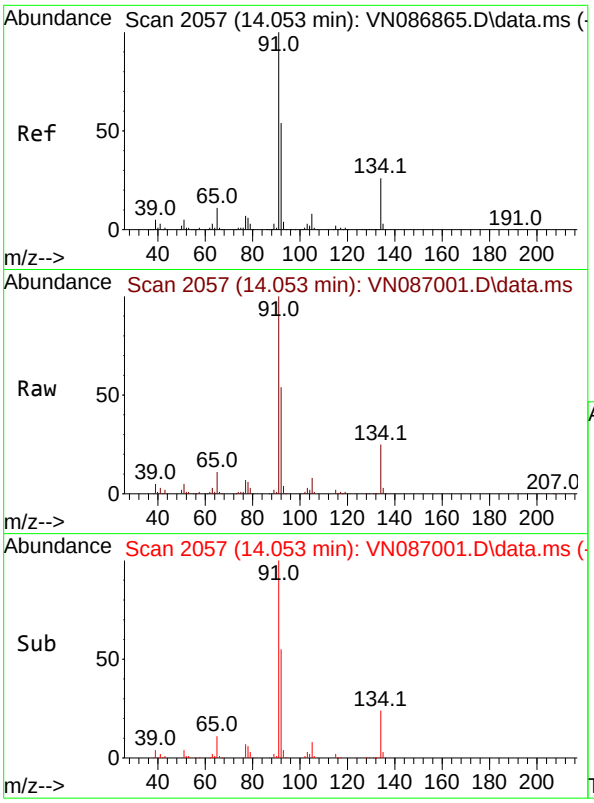


#88
1,4-Dichlorobenzene
Concen: 21.597 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:146 Resp: 103638

Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.9	59.7
148	62.3	31.8	95.4



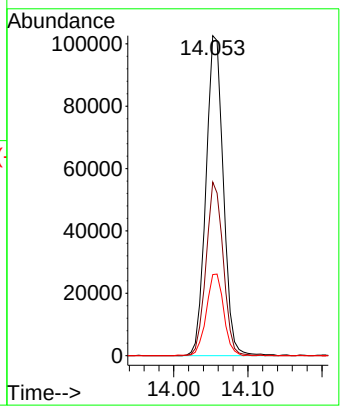


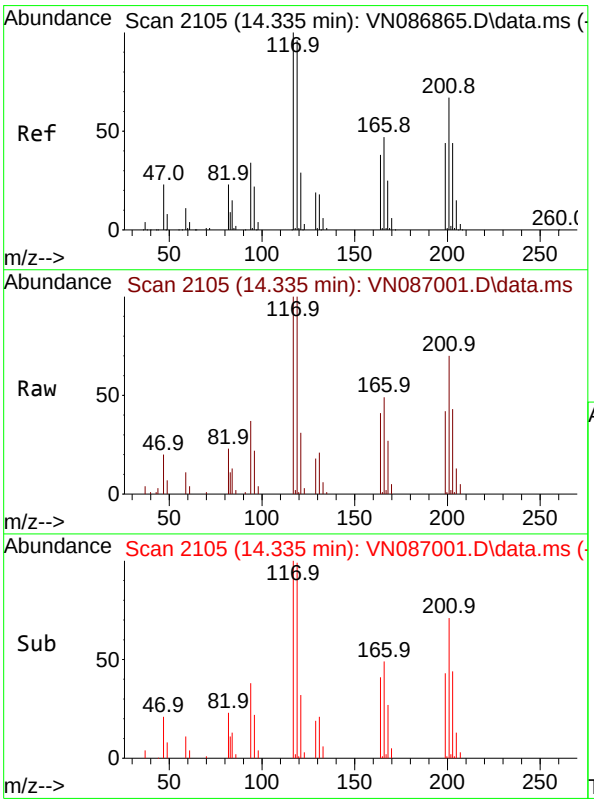
#89
n-Butylbenzene
Concen: 18.223 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion: 91 Resp: 167048

Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.5	82.4
134	25.7	13.0	39.0

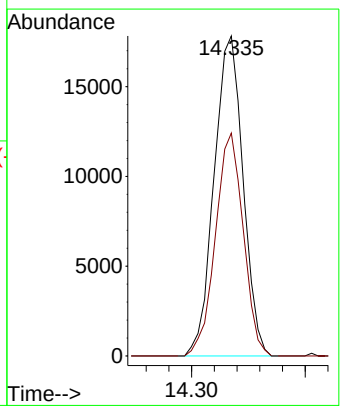


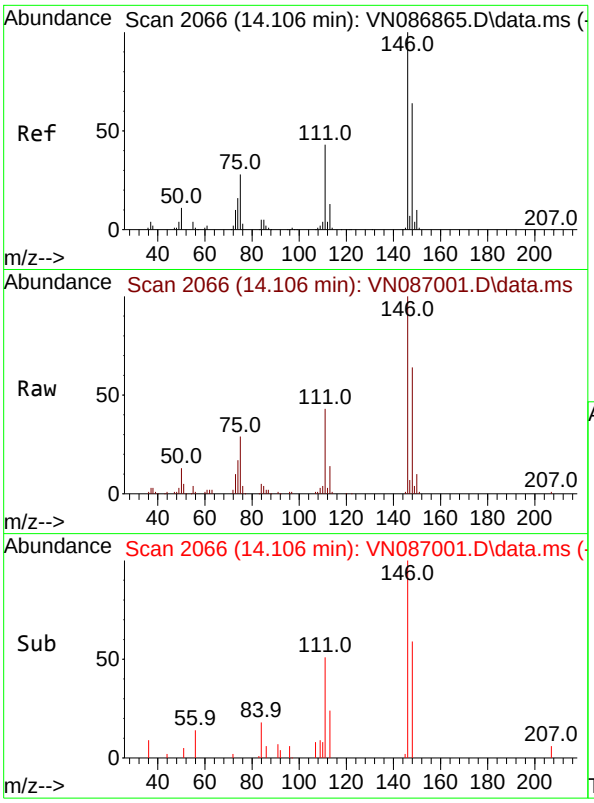


#90
Hexachloroethane
Concen: 19.646 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:117 Resp: 31515

Ion	Ratio	Lower	Upper
117	100		
201	67.0	33.2	99.6



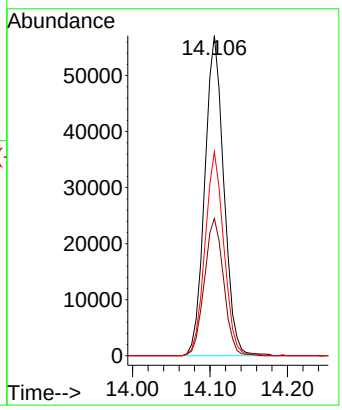


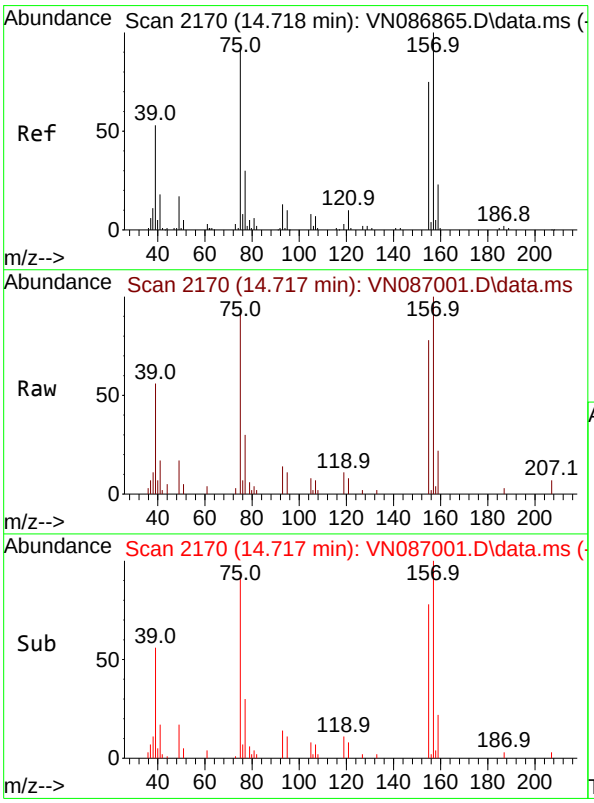
#91
1,2-Dichlorobenzene
Concen: 21.596 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion:146 Resp: 97655

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	64.6
148	62.9	31.7	95.1

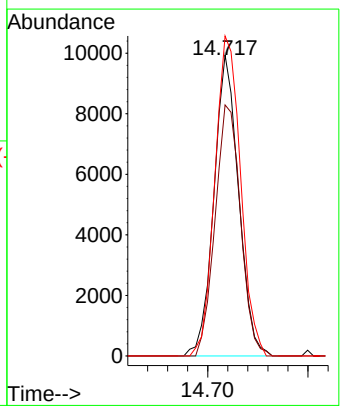


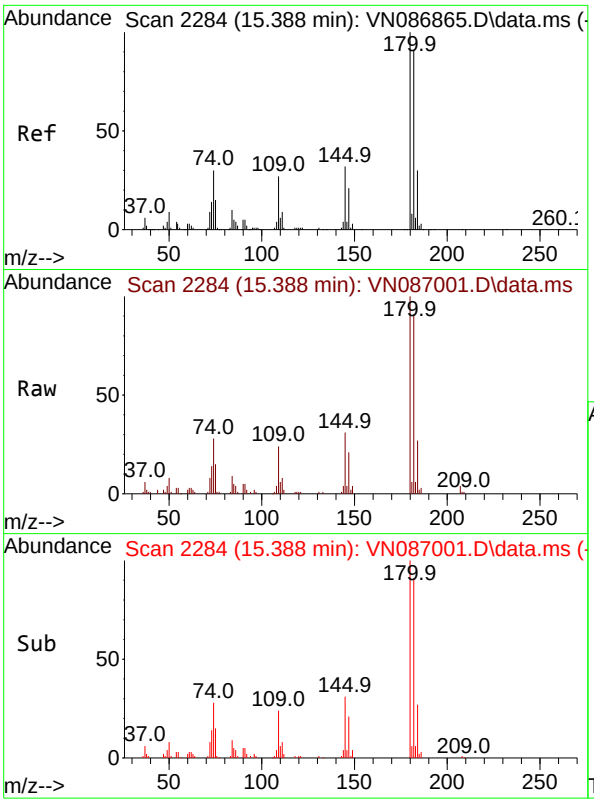


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.109 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion: 75 Resp: 16995

Ion	Ratio	Lower	Upper
75	100		
155	85.8	41.1	123.4
157	110.6	52.7	158.1



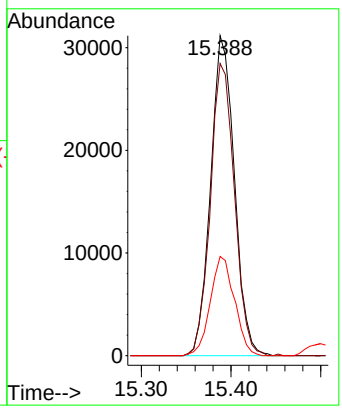


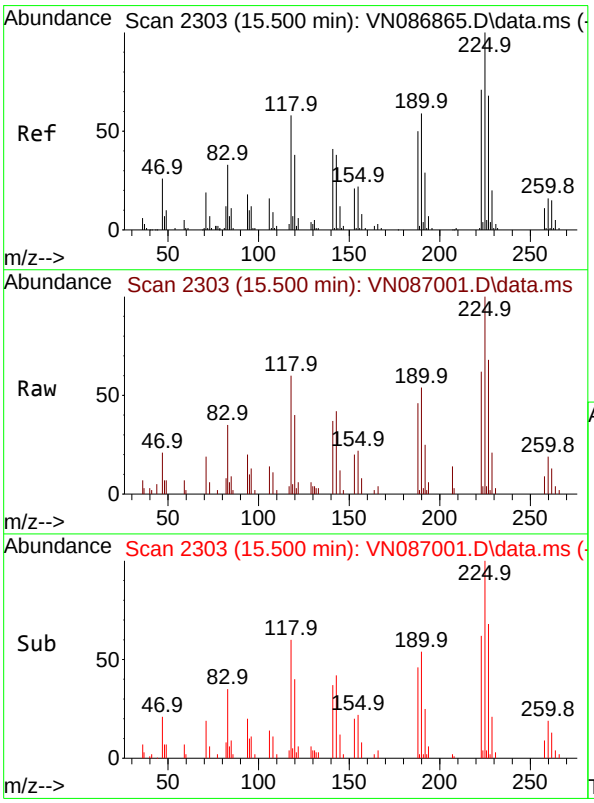
#93
1,2,4-Trichlorobenzene
Concen: 19.852 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion:180 Resp: 57324

Ion	Ratio	Lower	Upper
180	100		
182	92.5	46.9	140.7
145	31.6	16.0	47.9

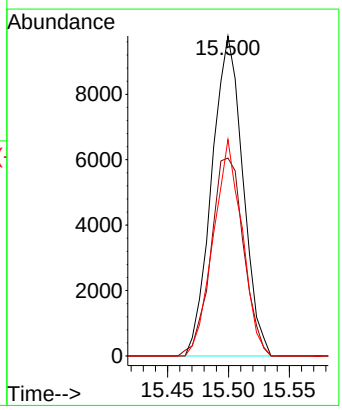


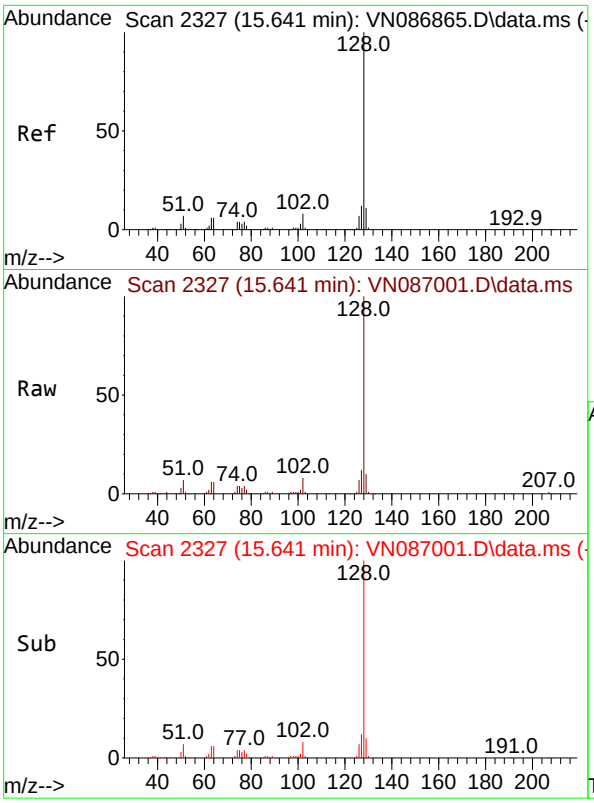


#94
Hexachlorobutadiene
Concen: 16.178 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:225 Resp: 17405

Ion	Ratio	Lower	Upper
225	100		
223	64.9	33.5	100.4
227	62.8	31.1	93.5



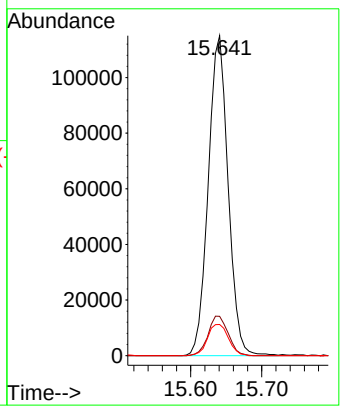


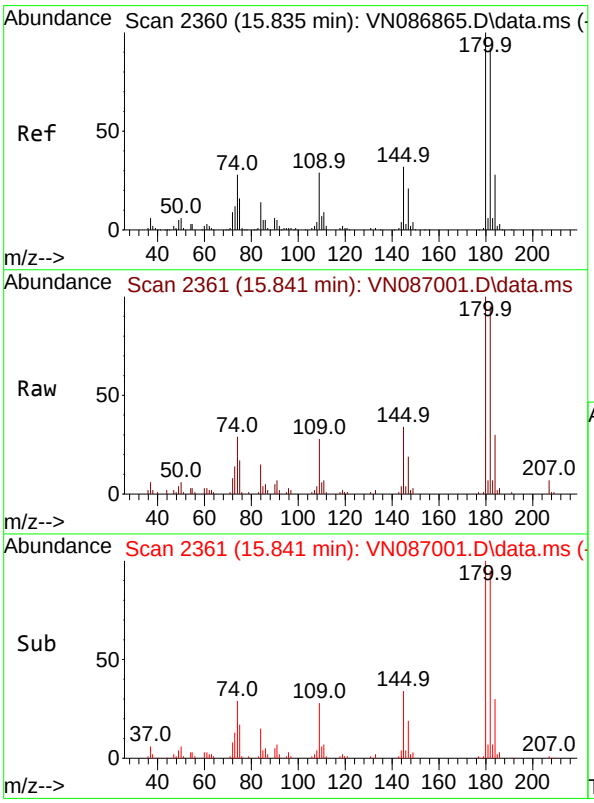
#95
Naphthalene
Concen: 20.779 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
VN0613WBSD01

Tgt Ion:128 Resp: 223336

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.3	8.8	13.2

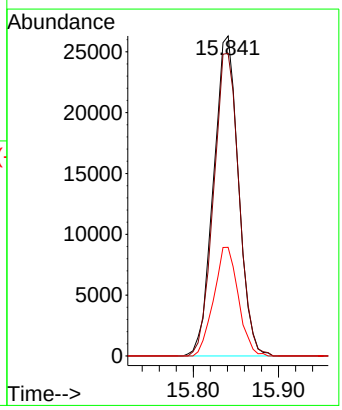




#96
1,2,3-Trichlorobenzene
Concen: 18.653 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN087001.D
Acq: 13 Jun 2025 15:06

Tgt Ion:180 Resp: 53514

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.0	141.0
145	33.5	16.6	49.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087015.D
Acq On : 13 Jun 2025 20:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Jun 14 00:35:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	177059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	323664	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	286714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	143044	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	120504	50.832	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.660%			
35) Dibromofluoromethane	8.177	113	104545	54.504	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.000%			
50) Toluene-d8	10.571	98	387445	51.025	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.040%			
62) 4-Bromofluorobenzene	12.847	95	148979	52.808	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.620%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	102513	58.068	ug/l	99
3) Chloromethane	2.395	50	115435	50.637	ug/l	98
4) Vinyl Chloride	2.554	62	145294	61.785	ug/l	98
5) Bromomethane	2.995	94	38834	29.510	ug/l	99
6) Chloroethane	3.153	64	91785	60.424	ug/l	96
7) Trichlorofluoromethane	3.530	101	184503	60.050	ug/l	95
8) Diethyl Ether	3.983	74	77594	57.964	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.400	101	109285	56.615	ug/l	99
10) Methyl Iodide	4.612	142	70915	28.340	ug/l	98
11) Tert butyl alcohol	5.542	59	167958	261.110	ug/l	99
12) 1,1-Dichloroethene	4.371	96	118251	60.004	ug/l	91
13) Acrolein	4.200	56	19026	93.443	ug/l	99
14) Allyl chloride	5.047	41	165051	50.500	ug/l	97
15) Acrylonitrile	5.742	53	405166	269.483	ug/l	99
16) Acetone	4.447	43	309658	246.315	ug/l	98
17) Carbon Disulfide	4.742	76	357127	65.513	ug/l	100
18) Methyl Acetate	5.047	43	169286	46.208	ug/l	97
19) Methyl tert-butyl Ether	5.818	73	394017	55.219	ug/l	97
20) Methylene Chloride	5.300	84	131735	55.971	ug/l	95
21) trans-1,2-Dichloroethene	5.812	96	125710	57.334	ug/l	96
22) Diisopropyl ether	6.689	45	368851	53.539	ug/l	98
23) Vinyl Acetate	6.618	43	1623406	278.900	ug/l	98
24) 1,1-Dichloroethane	6.583	63	223707	56.425	ug/l	99
25) 2-Butanone	7.494	43	521890	255.393	ug/l	96
26) 2,2-Dichloropropane	7.500	77	140253	45.477	ug/l	97
27) cis-1,2-Dichloroethene	7.500	96	147981	56.434	ug/l	97
28) Bromochloromethane	7.824	49	104187	53.447	ug/l	93
29) Tetrahydrofuran	7.847	42	344827	259.039	ug/l	95
30) Chloroform	7.977	83	220616	55.720	ug/l	97
31) Cyclohexane	8.271	56	201646	52.445	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	186520	55.388	ug/l	99
36) 1,1-Dichloropropene	8.383	75	165286	57.829	ug/l	99
37) Ethyl Acetate	7.571	43	192815	52.994	ug/l	98
38) Carbon Tetrachloride	8.371	117	158306	56.416	ug/l	96
39) Methylcyclohexane	9.606	83	197918	50.543	ug/l	96
40) Benzene	8.612	78	530188	56.727	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087015.D
Acq On : 13 Jun 2025 20:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Jun 14 00:35:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	107778	52.745	ug/l		96
42) 1,2-Dichloroethane	8.677	62	156821	55.319	ug/l		100
43) Isopropyl Acetate	8.694	43	300238	51.413	ug/l		97
44) Trichloroethene	9.359	130	128567	58.013	ug/l		99
45) 1,2-Dichloropropane	9.624	63	128559	56.539	ug/l		99
46) Dibromomethane	9.712	93	86619	57.352	ug/l		99
47) Bromodichloromethane	9.894	83	174176	56.051	ug/l		98
48) Methyl methacrylate	9.688	41	138963	51.701	ug/l		96
49) 1,4-Dioxane	9.706	88	52836	1080.544	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.447	43	936186	266.296	ug/l		97
52) Toluene	10.635	92	326827	57.220	ug/l		99
53) t-1,3-Dichloropropene	10.841	75	188870	54.355	ug/l		95
54) cis-1,3-Dichloropropene	10.318	75	205259	55.209	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	122125	55.567	ug/l		98
56) Ethyl methacrylate	10.882	69	208346	59.518	ug/l		94
57) 1,3-Dichloropropane	11.165	76	214803	56.341	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.165	63	582139	278.815	ug/l		99
59) 2-Hexanone	11.200	43	633853	279.908	ug/l		93
60) Dibromochloromethane	11.359	129	131961	57.629	ug/l		100
61) 1,2-Dibromoethane	11.471	107	129432	57.456	ug/l		99
64) Tetrachloroethene	11.106	164	110954	61.148	ug/l		97
65) Chlorobenzene	11.894	112	353548	55.910	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	112219	55.207	ug/l		100
67) Ethyl Benzene	11.965	91	600721	55.151	ug/l		99
68) m/p-Xylenes	12.071	106	474265	113.745	ug/l		99
69) o-Xylene	12.400	106	226555	56.733	ug/l		99
70) Styrene	12.412	104	391256	57.257	ug/l		99
71) Bromoform	12.582	173	86089	57.160	ug/l	#	100
73) Isopropylbenzene	12.694	105	551423	52.915	ug/l		99
74) N-amyl acetate	12.512	43	190258	52.247	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	195192	55.290	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	239854	70.541	ug/l		75
77) Bromobenzene	12.982	156	134351	56.217	ug/l		95
78) n-propylbenzene	13.035	91	657646	51.930	ug/l		98
79) 2-Chlorotoluene	13.123	91	405474	53.388	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	452624	52.608	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	56569	38.297	ug/l		97
82) 4-Chlorotoluene	13.218	91	415698	54.095	ug/l		99
83) tert-Butylbenzene	13.435	119	402449	51.101	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	466357	54.055	ug/l		99
85) sec-Butylbenzene	13.612	105	559228	48.896	ug/l		99
86) p-Isopropyltoluene	13.729	119	470095	49.723	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	254506	54.127	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	259312	54.093	ug/l		99
89) n-Butylbenzene	14.053	91	423209	46.215	ug/l		99
90) Hexachloroethane	14.329	117	68232	42.577	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	246617	54.592	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	43462	51.477	ug/l		94
93) 1,2,4-Trichlorobenzene	15.388	180	141048	48.896	ug/l		99
94) Hexachlorobutadiene	15.494	225	41240	38.372	ug/l		99
95) Naphthalene	15.635	128	574068	53.465	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	136299	47.556	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087015.D
Acq On : 13 Jun 2025 20:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Jun 14 00:35:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

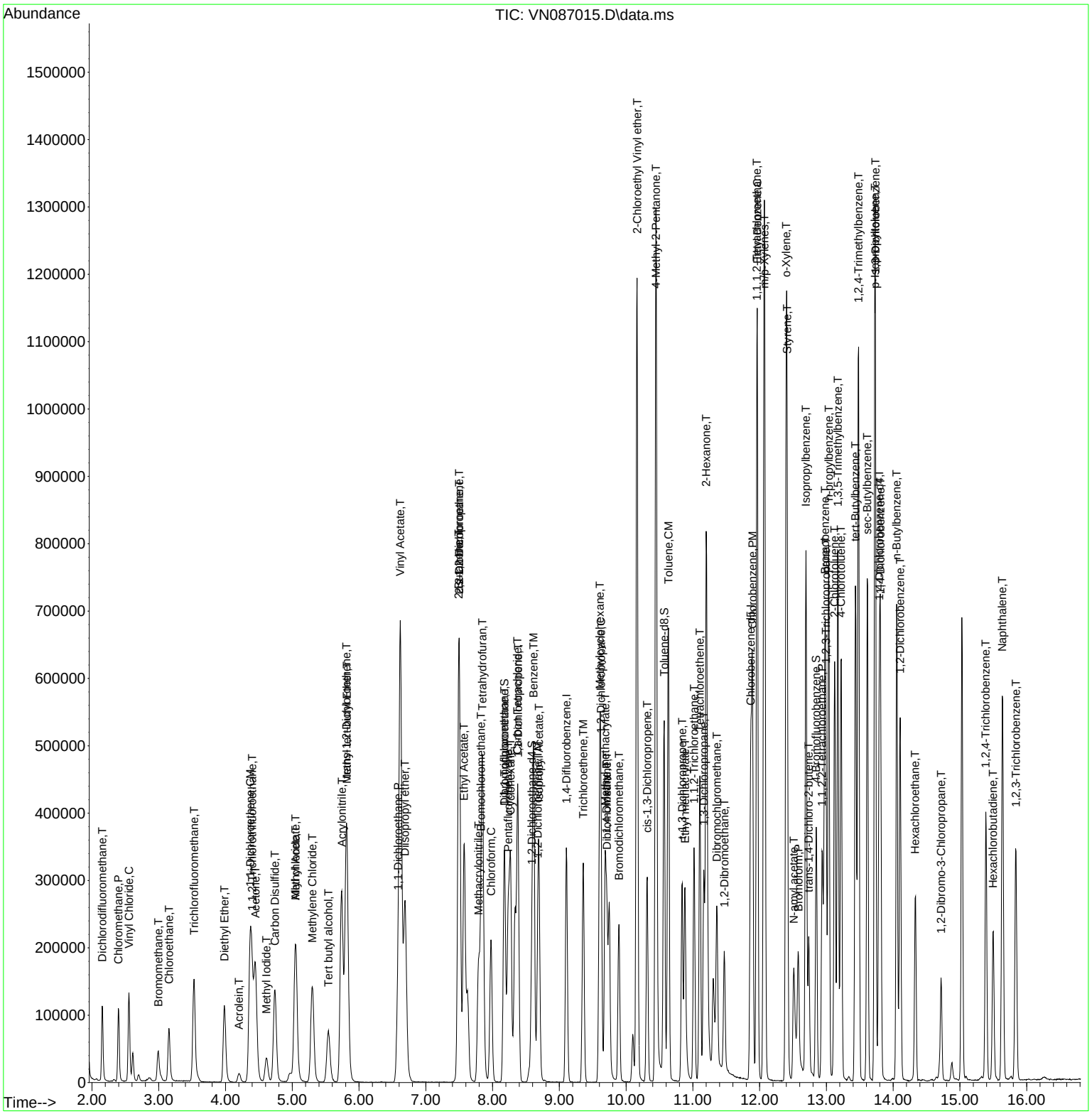
(#) = qualifier out of range (m) = manual integration (+) = signals summed

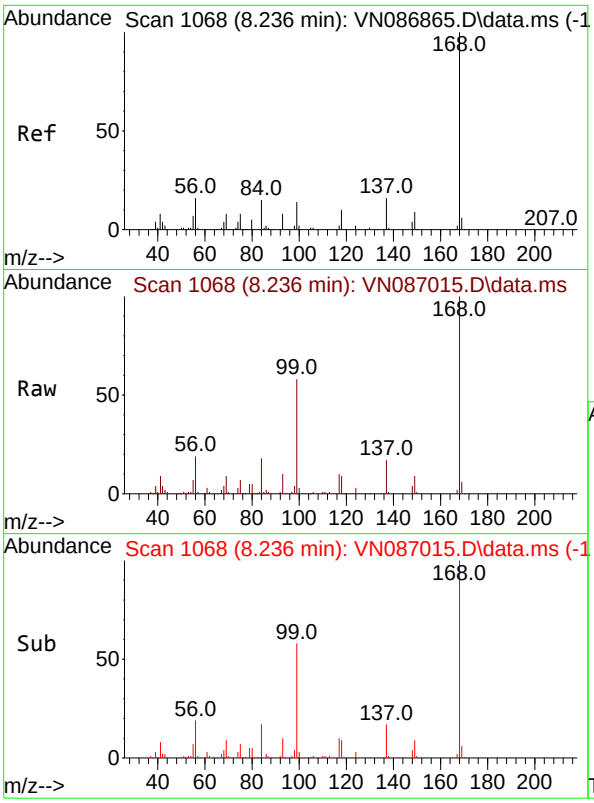
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087015.D
Acq On : 13 Jun 2025 20:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Jun 14 00:35:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



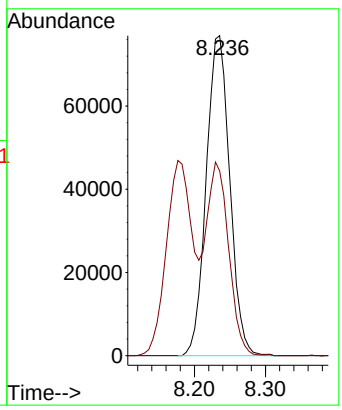


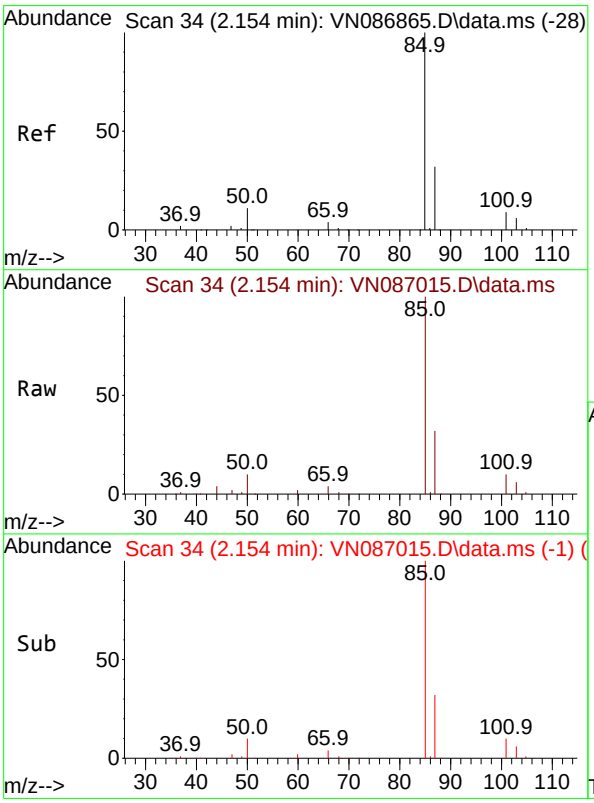
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 177059

Ion	Ratio	Lower	Upper
168	100		
99	57.8	49.1	73.7

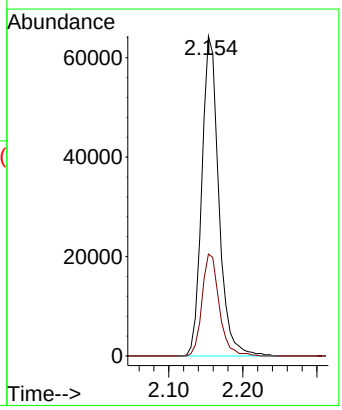


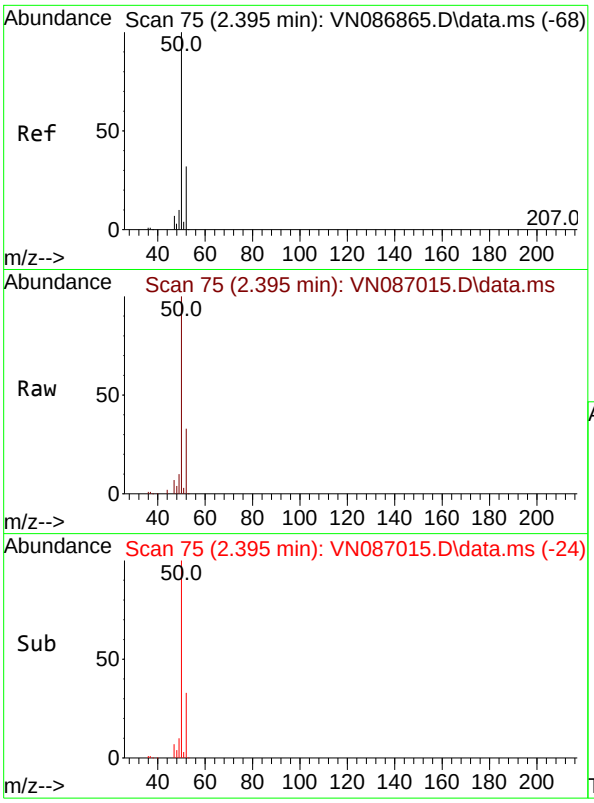


#2
Dichlorodifluoromethane
Concen: 58.068 ug/l
RT: 2.154 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 85 Resp: 102513

Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.2	48.6



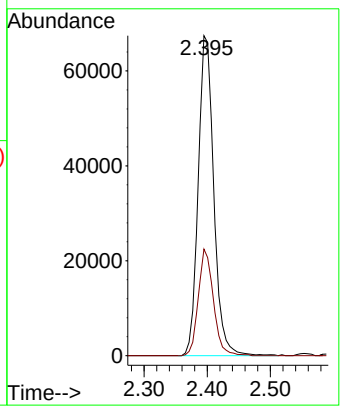


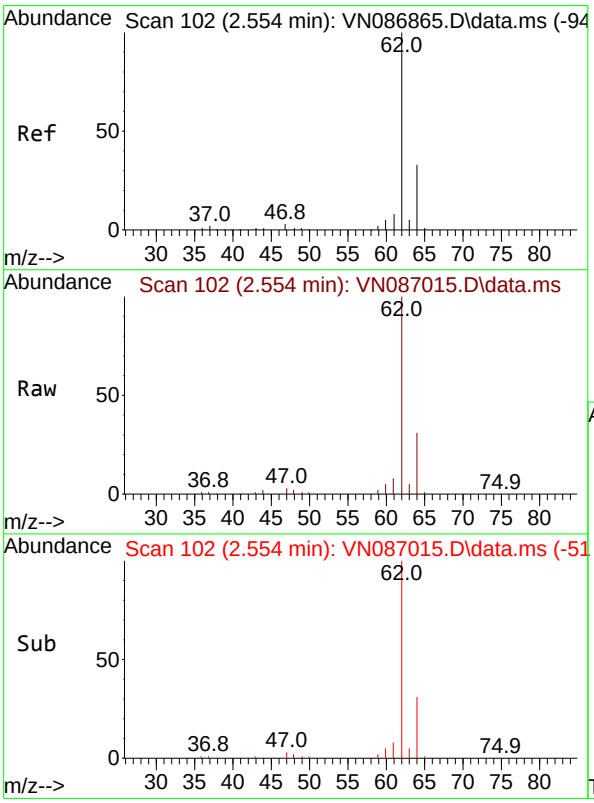
#3
Chloromethane
Concen: 50.637 ug/l
RT: 2.395 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 115435

Ion	Ratio	Lower	Upper
50	100		
52	33.3	25.7	38.5

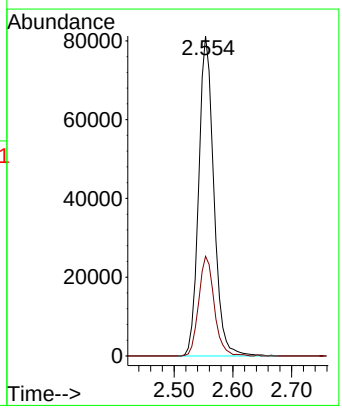


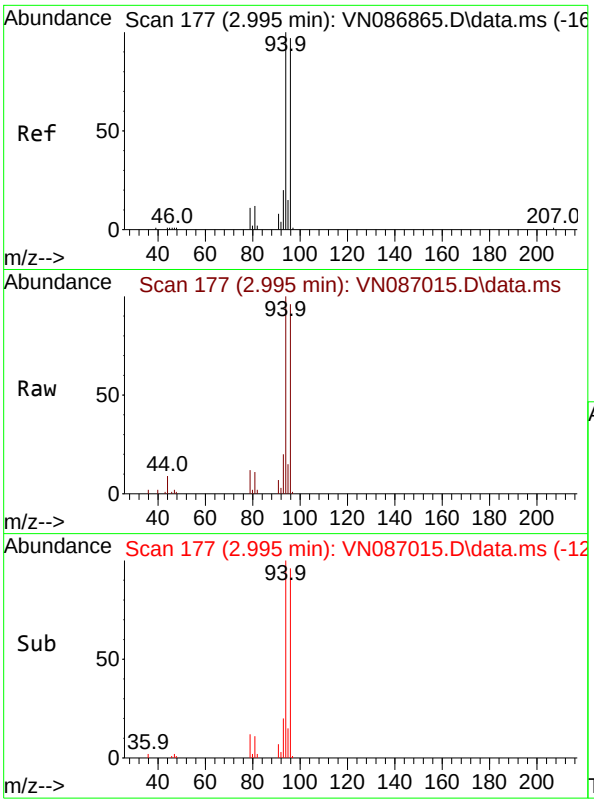


#4
Vinyl Chloride
Concen: 61.785 ug/l
RT: 2.554 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 62 Resp: 145294

Ion	Ratio	Lower	Upper
62	100		
64	31.2	26.0	39.0



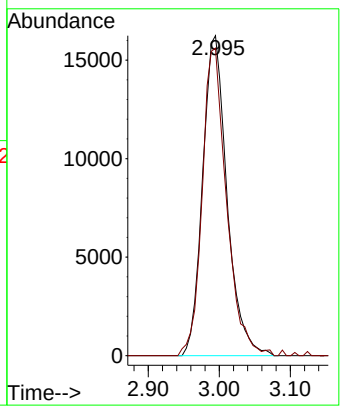


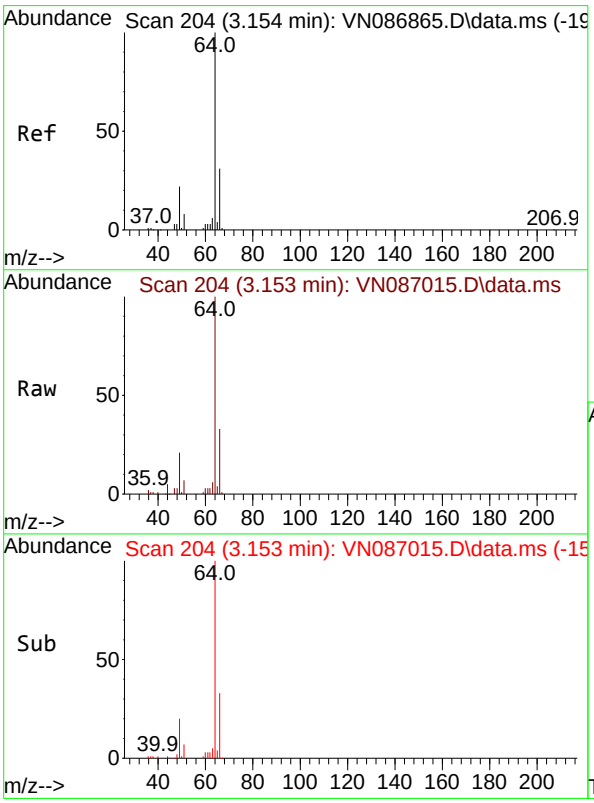
#5
Bromomethane
Concen: 29.510 ug/l
RT: 2.995 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 38834

Ion	Ratio	Lower	Upper
94	100		
96	96.1	77.9	116.9

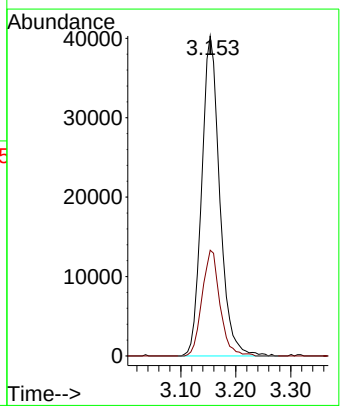


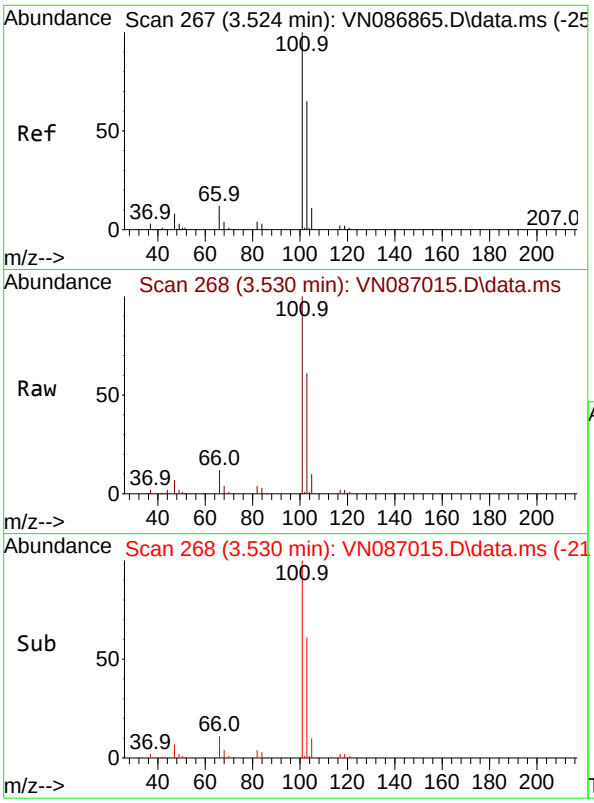


#6
Chloroethane
Concen: 60.424 ug/l
RT: 3.153 min Scan# 204
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 64 Resp: 91785

Ion	Ratio	Lower	Upper
64	100		
66	33.0	24.6	36.8



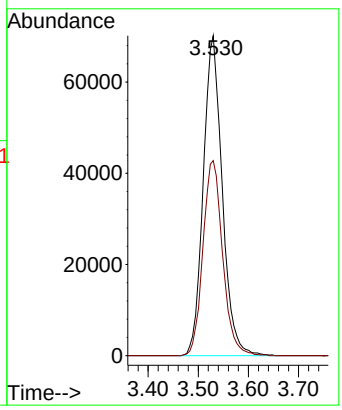


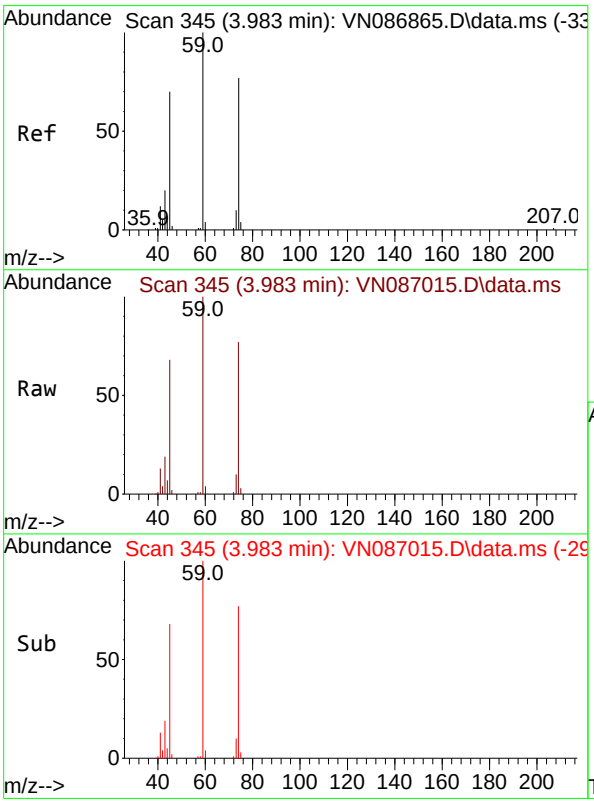
#7
Trichlorofluoromethane
Concen: 60.050 ug/l
RT: 3.530 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 184503

Ion	Ratio	Lower	Upper
101	100		
103	61.0	52.2	78.2

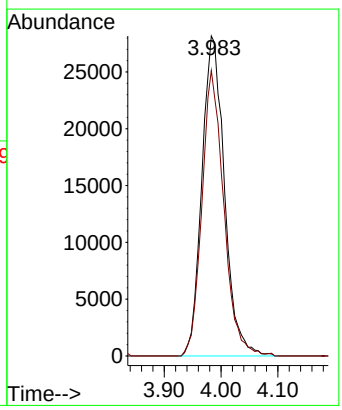


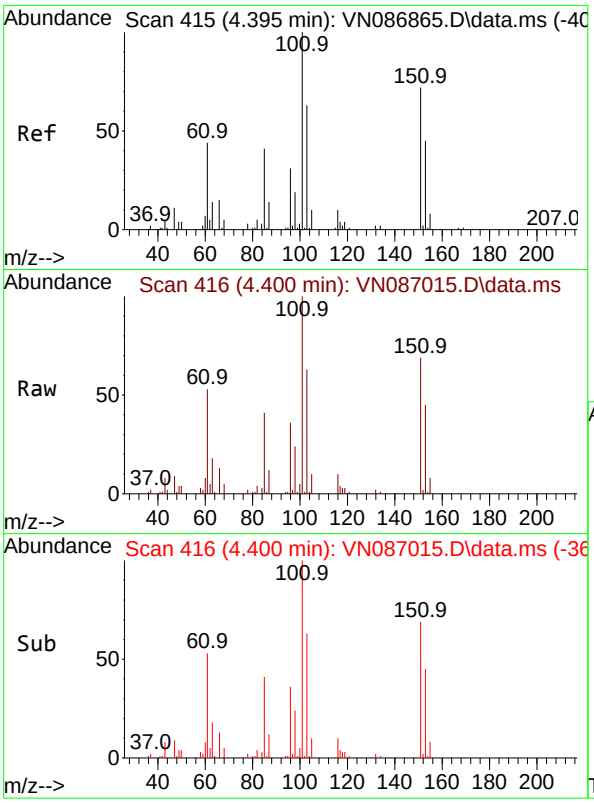


#8
Diethyl Ether
Concen: 57.964 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 74 Resp: 77594

Ion	Ratio	Lower	Upper
74	100		
45	86.4	45.5	136.5



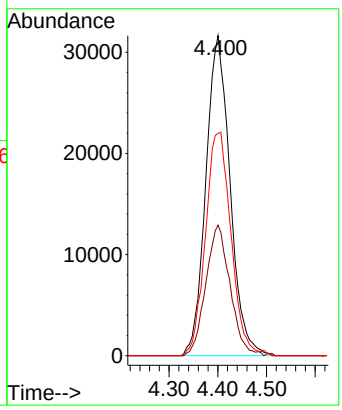


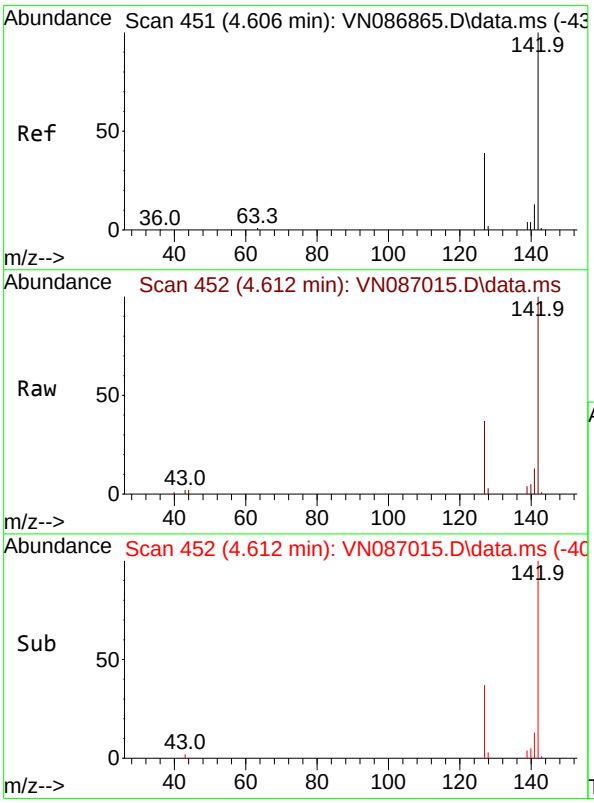
#9
1,1,2-Trichlorotrifluoroethane
Concen: 56.615 ug/l
RT: 4.400 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 109285

Ion	Ratio	Lower	Upper
101	100		
85	40.8	33.8	50.8
151	73.8	58.7	88.1

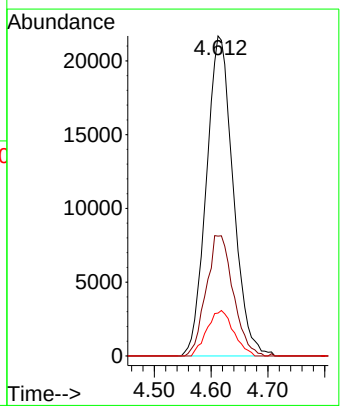


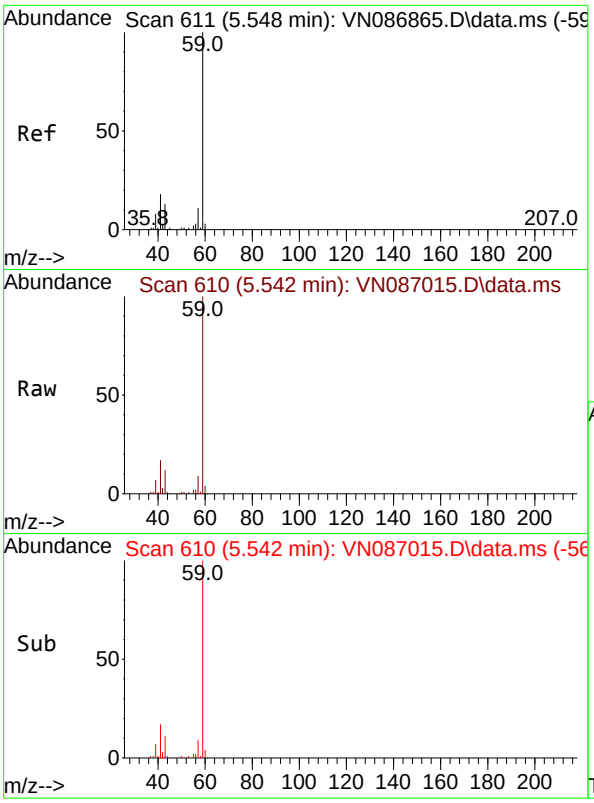


#10
Methyl Iodide
Concen: 28.340 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:142 Resp: 70915

Ion	Ratio	Lower	Upper
142	100		
127	37.4	30.9	46.3
141	13.4	10.4	15.6



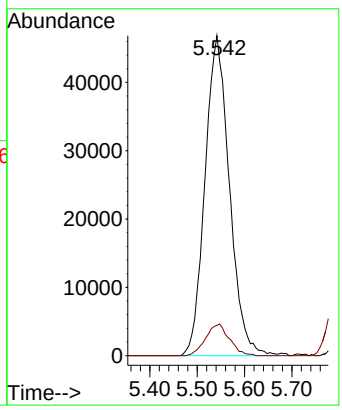


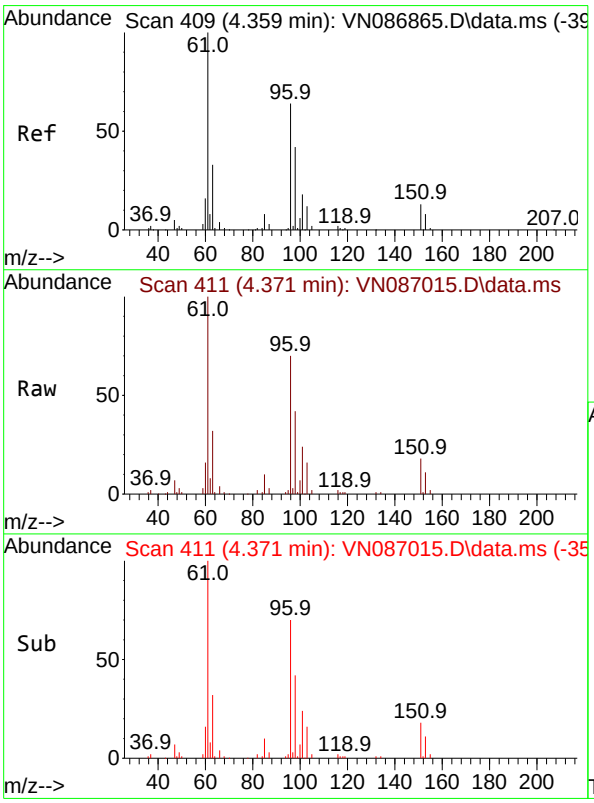
#11
Tert butyl alcohol
Concen: 261.110 ug/l
RT: 5.542 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 167958

Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.1	12.1

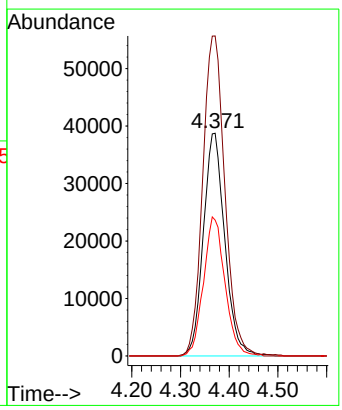


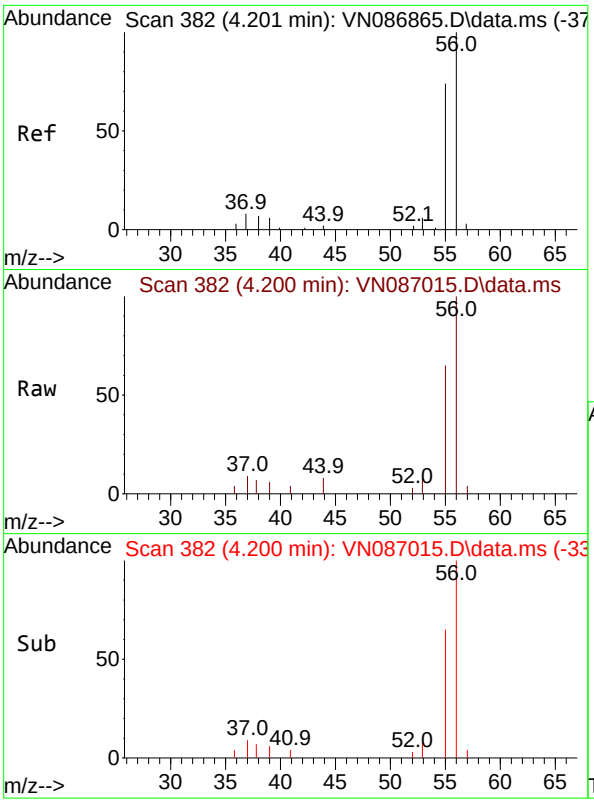


#12
1,1-Dichloroethene
Concen: 60.004 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 96 Resp: 118251

Ion	Ratio	Lower	Upper
96	100		
61	143.7	125.8	188.6
98	61.0	52.5	78.7



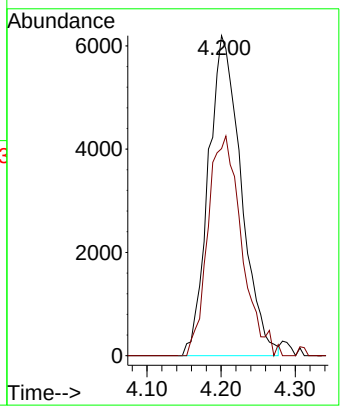


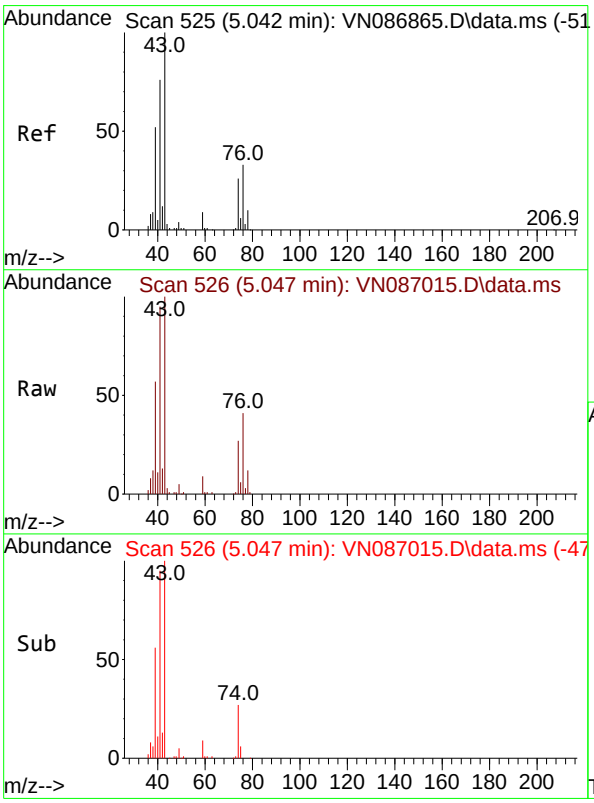
#13
Acrolein
Concen: 93.443 ug/l
RT: 4.200 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 19026

Ion	Ratio	Lower	Upper
56	100		
55	70.6	55.6	83.4

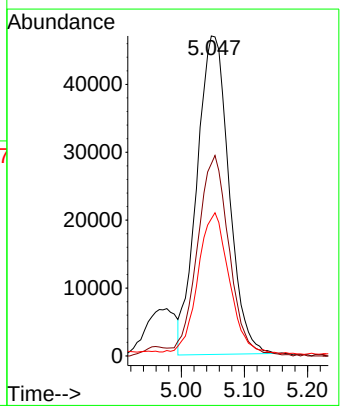


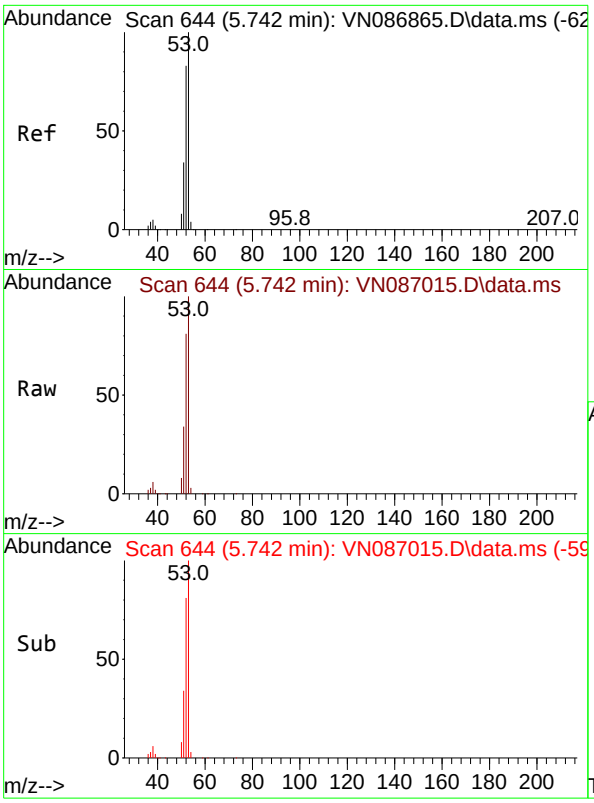


#14
Allyl chloride
Concen: 50.500 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 41 Resp: 165051

Ion	Ratio	Lower	Upper
41	100		
39	62.9	51.3	76.9
76	43.2	31.4	47.0



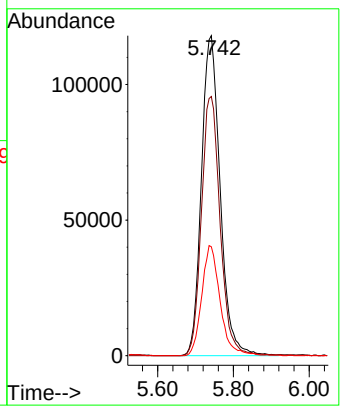


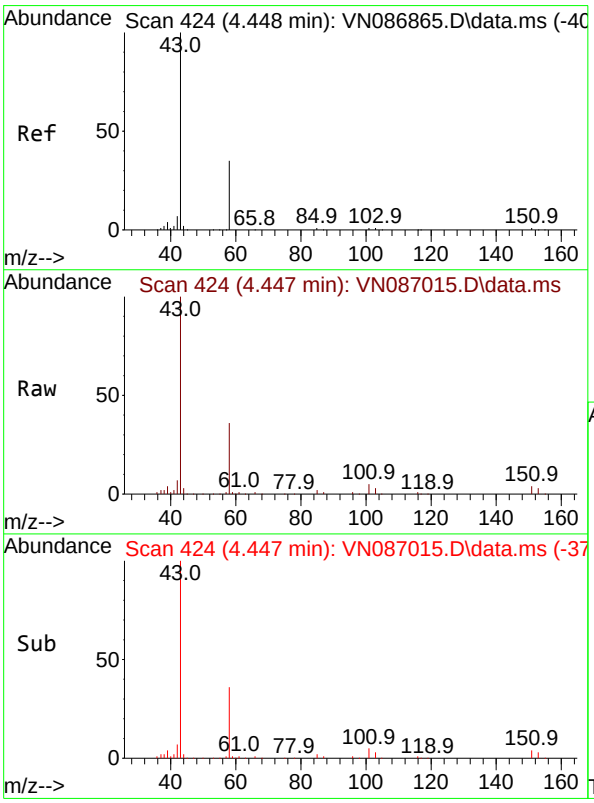
#15
Acrylonitrile
Concen: 269.483 ug/l
RT: 5.742 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 405166

Ion	Ratio	Lower	Upper
53	100		
52	80.8	65.0	97.6
51	33.7	27.2	40.8

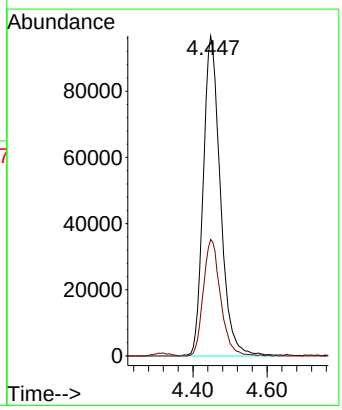


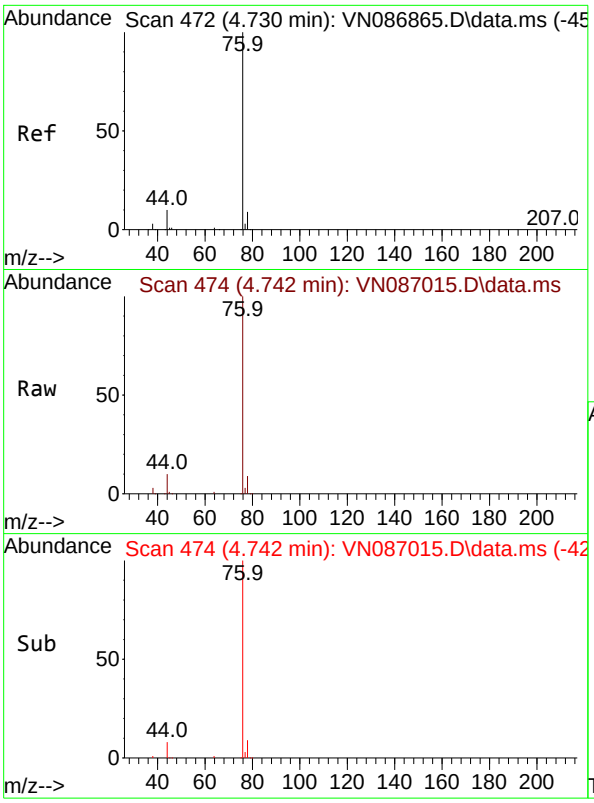


#16
Acetone
Concen: 246.315 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 43 Resp: 309658

Ion	Ratio	Lower	Upper
43	100		
58	36.4	28.0	42.0



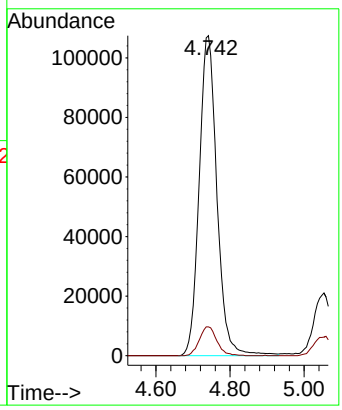


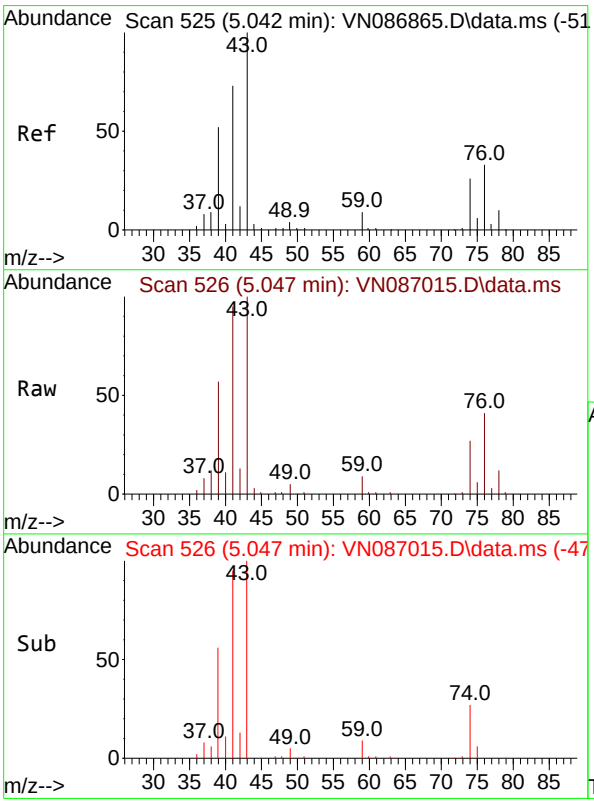
#17
Carbon Disulfide
Concen: 65.513 ug/l
RT: 4.742 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 357127

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

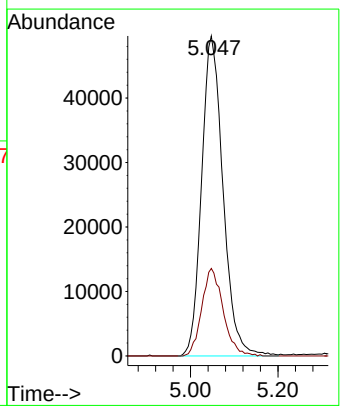


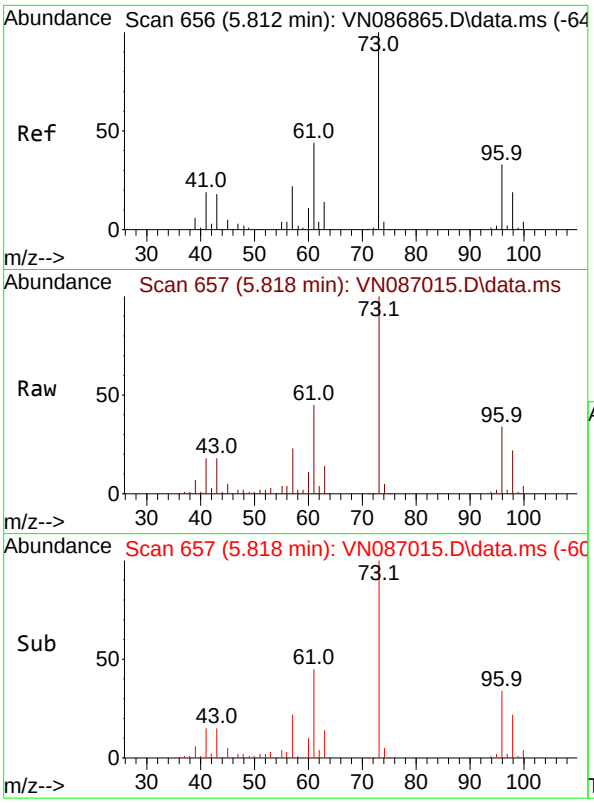


#18
Methyl Acetate
Concen: 46.208 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 43 Resp: 169286

Ion	Ratio	Lower	Upper
43	100		
74	27.3	20.7	31.1



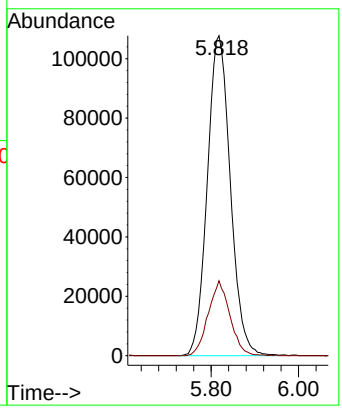


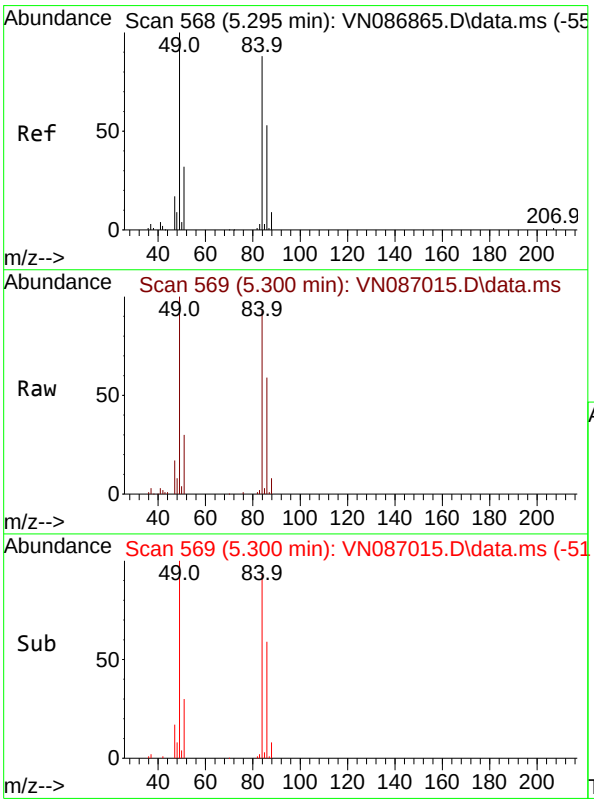
#19
Methyl tert-butyl Ether
Concen: 55.219 ug/l
RT: 5.818 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 394017

Ion	Ratio	Lower	Upper
73	100		
57	23.4	17.4	26.2

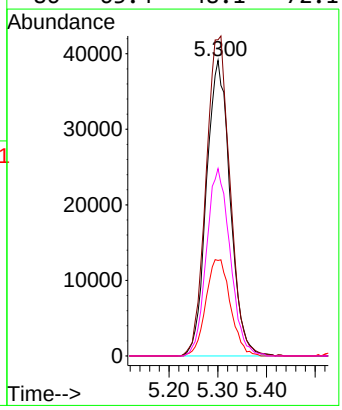


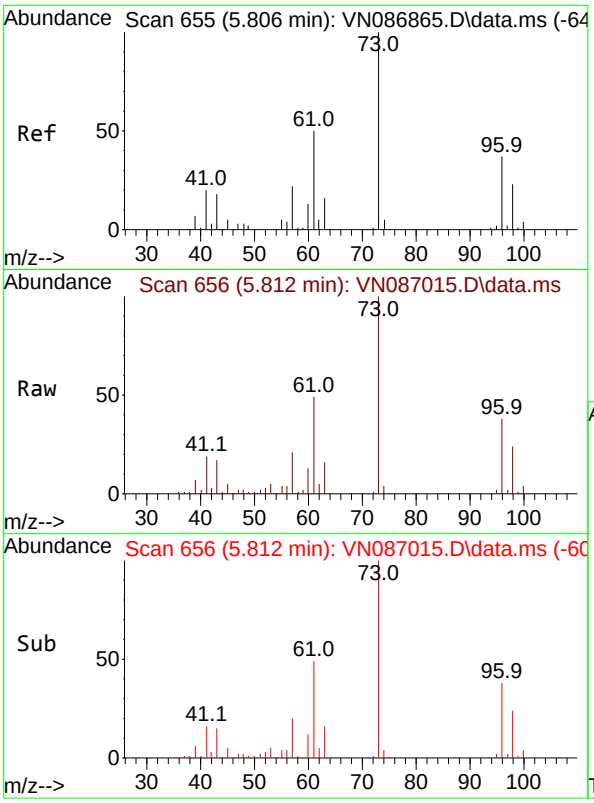


#20
Methylene Chloride
Concen: 55.971 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 84 Resp: 131735

Ion	Ratio	Lower	Upper
84	100		
49	107.0	90.5	135.7
51	32.3	28.5	42.7
86	63.4	48.1	72.1



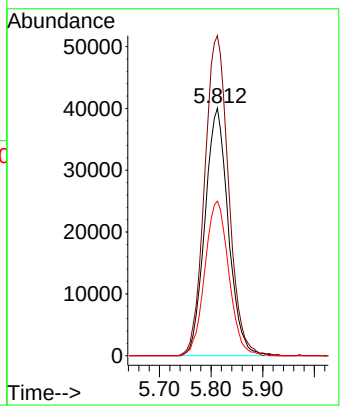


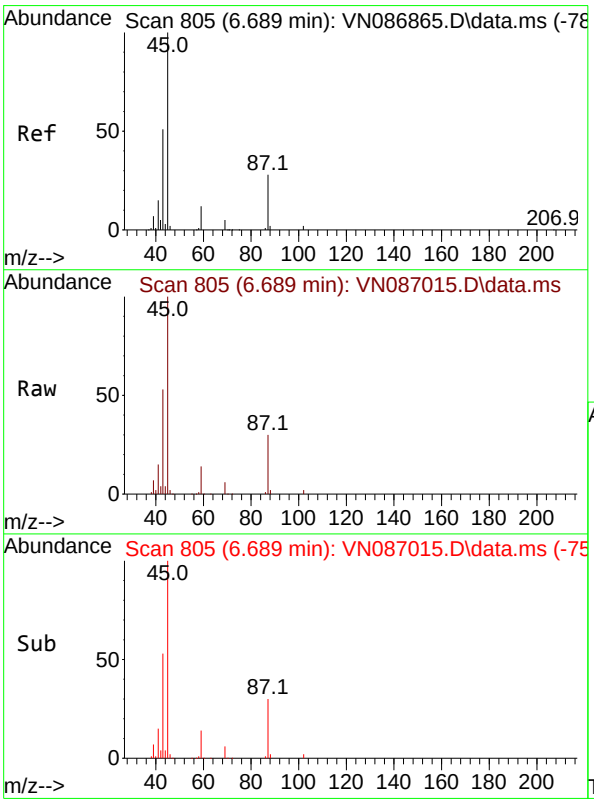
#21
trans-1,2-Dichloroethene
Concen: 57.334 ug/l
RT: 5.812 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 125710

Ion	Ratio	Lower	Upper
96	100		
61	129.3	109.2	163.8
98	62.4	49.8	74.8

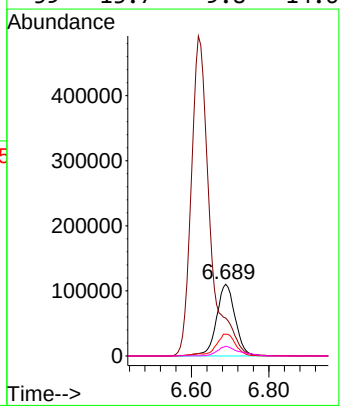


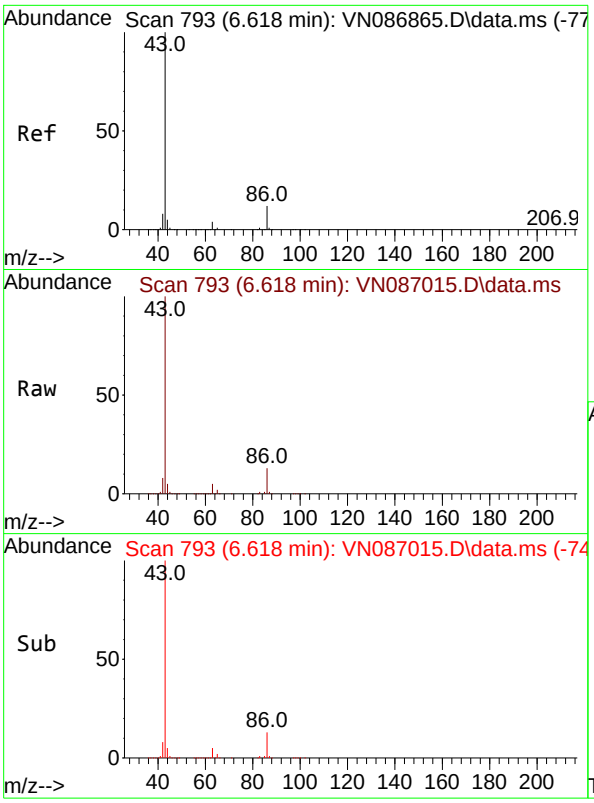


#22
Diisopropyl ether
Concen: 53.539 ug/l
RT: 6.689 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 45 Resp: 368851

Ion	Ratio	Lower	Upper
45	100		
43	52.3	41.9	62.9
87	30.3	22.4	33.6
59	13.7	9.8	14.6



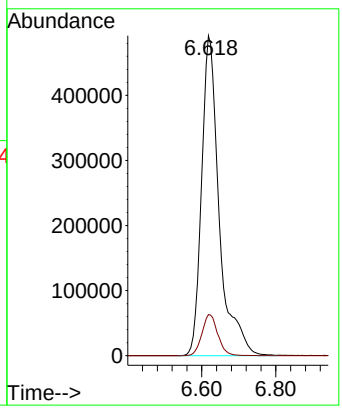


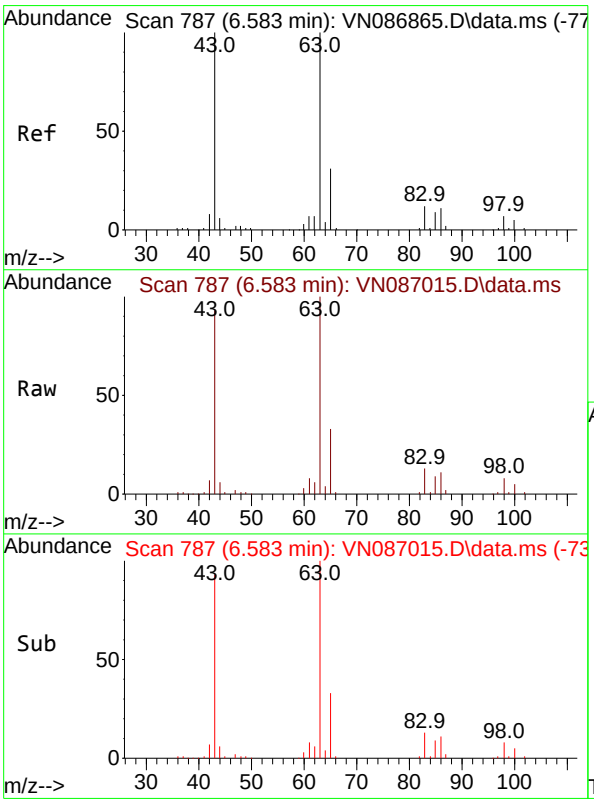
#23
Vinyl Acetate
Concen: 278.900 ug/l
RT: 6.618 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1623406

Ion	Ratio	Lower	Upper
43	100		
86	12.8	9.5	14.3

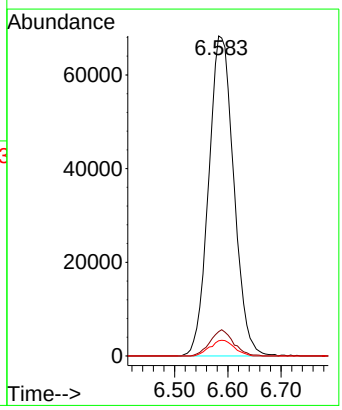


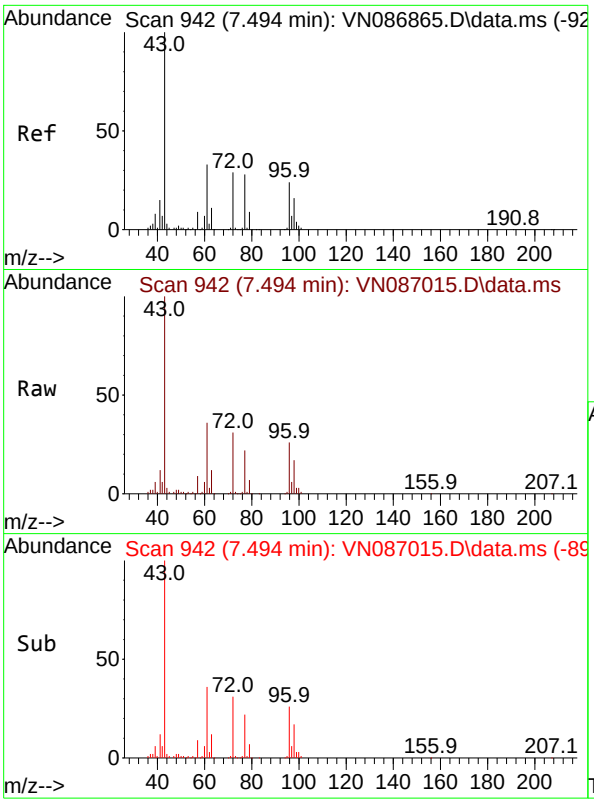


#24
1,1-Dichloroethane
Concen: 56.425 ug/l
RT: 6.583 min Scan# 787
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 63 Resp: 223707

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.6	10.8
100	4.8	2.6	7.8



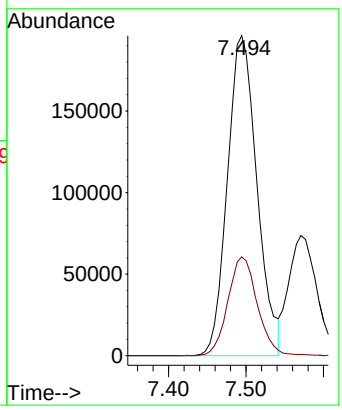


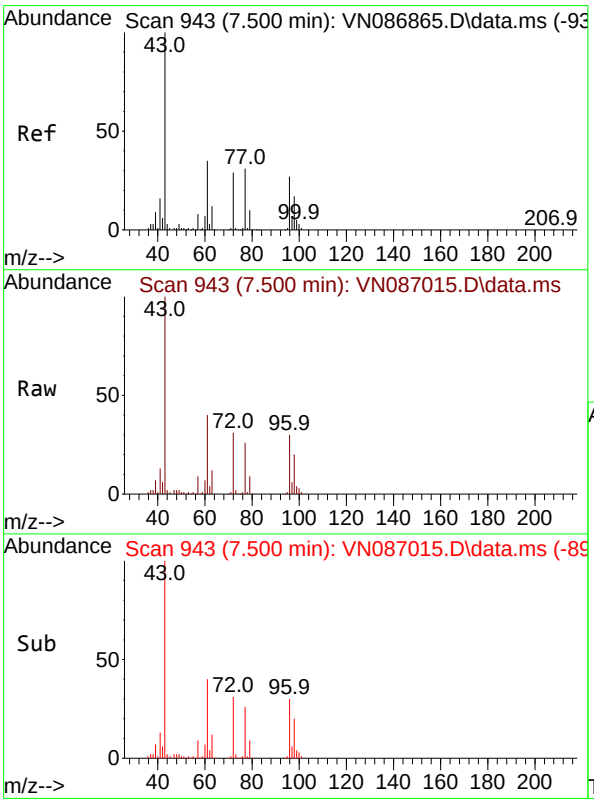
#25
2-Butanone
Concen: 255.393 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 521890

Ion	Ratio	Lower	Upper
43	100		
72	30.9	23.0	34.6

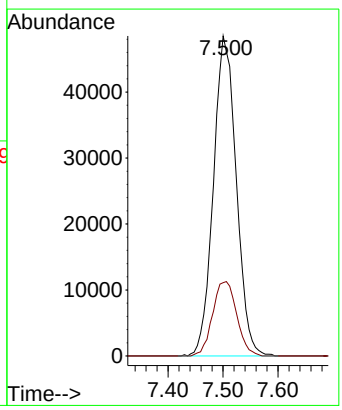


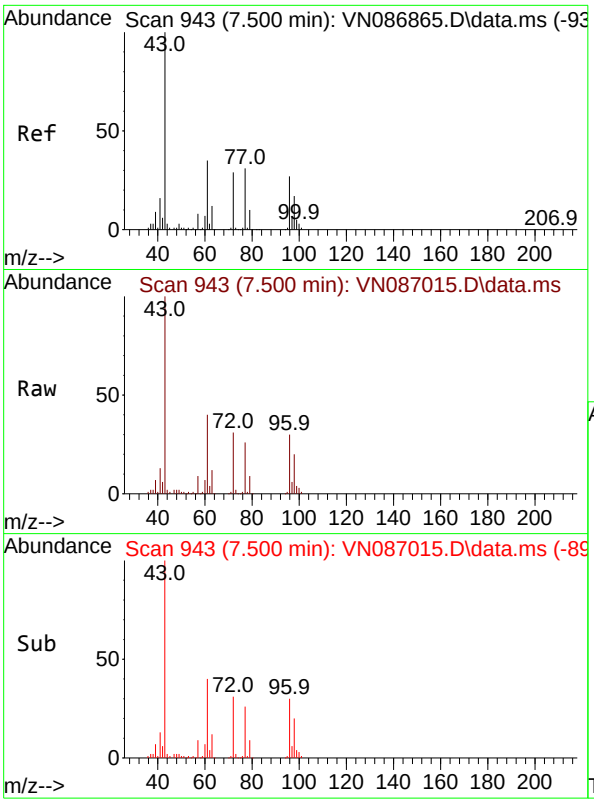


#26
2,2-Dichloropropane
Concen: 45.477 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 77 Resp: 140253

Ion	Ratio	Lower	Upper
77	100		
97	24.5	11.6	34.7



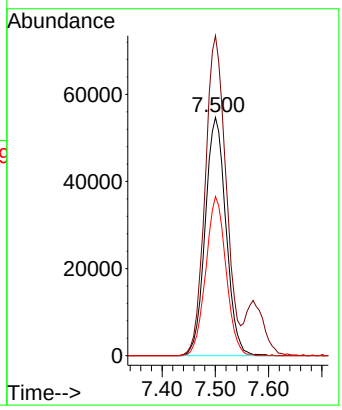


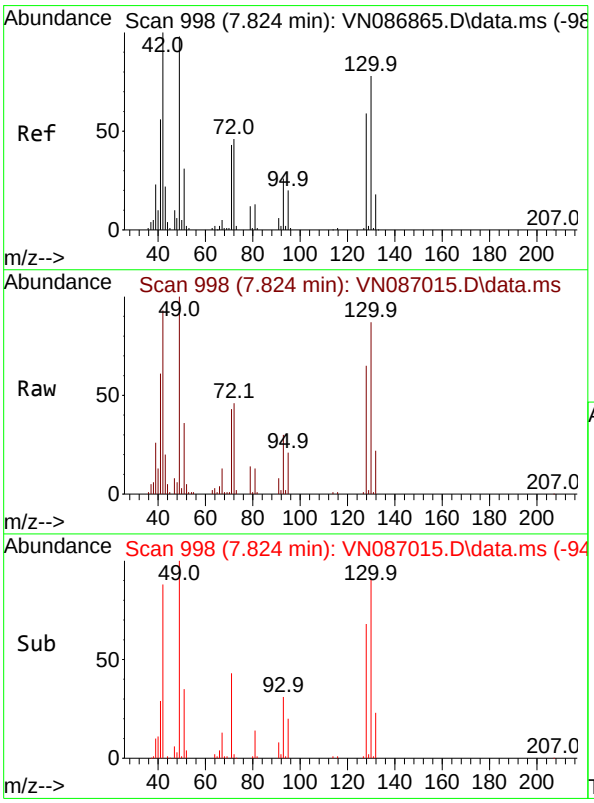
#27
cis-1,2-Dichloroethene
Concen: 56.434 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 147981

Ion	Ratio	Lower	Upper
96	100		
61	134.6	0.0	278.0
98	65.1	0.0	128.2

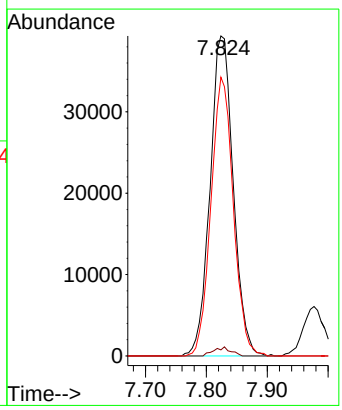


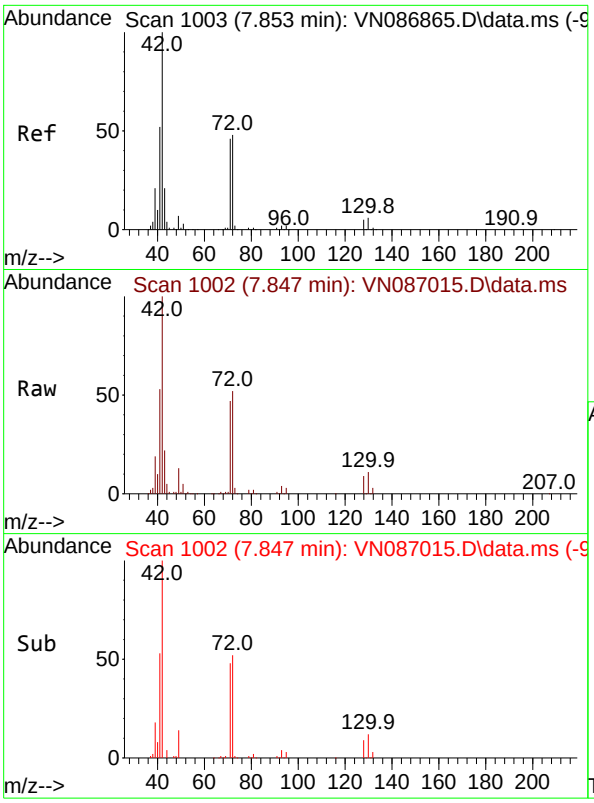


#28
Bromochloromethane
Concen: 53.447 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 49 Resp: 104187

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	83.9	62.2	93.2



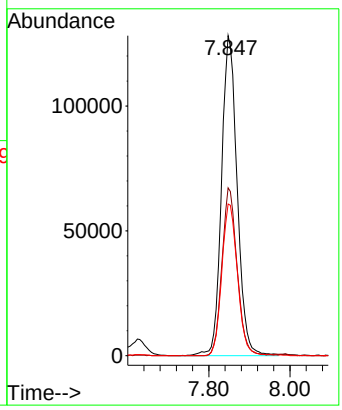


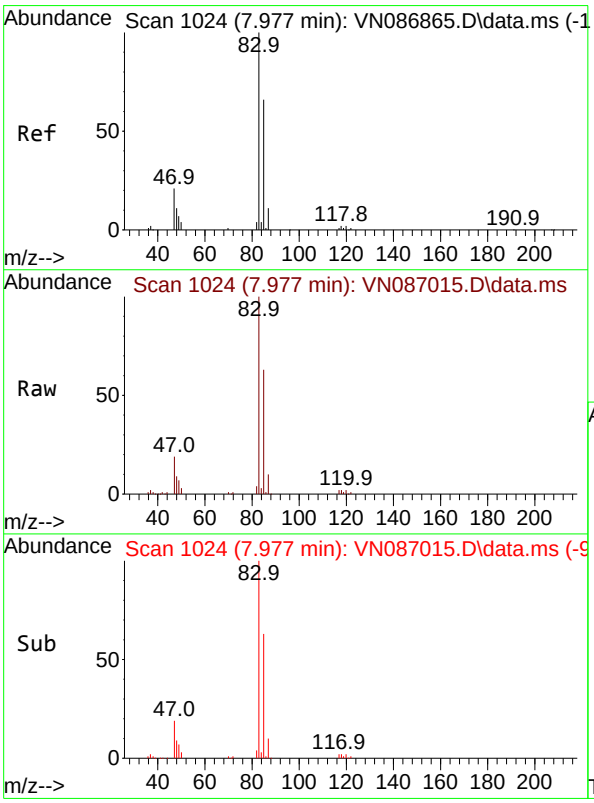
#29
Tetrahydrofuran
Concen: 259.039 ug/l
RT: 7.847 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 344827

Ion	Ratio	Lower	Upper
42	100		
72	50.8	37.8	56.6
71	47.3	35.6	53.4

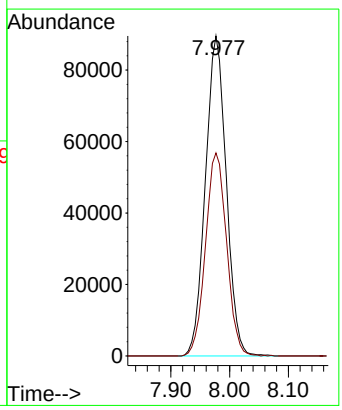


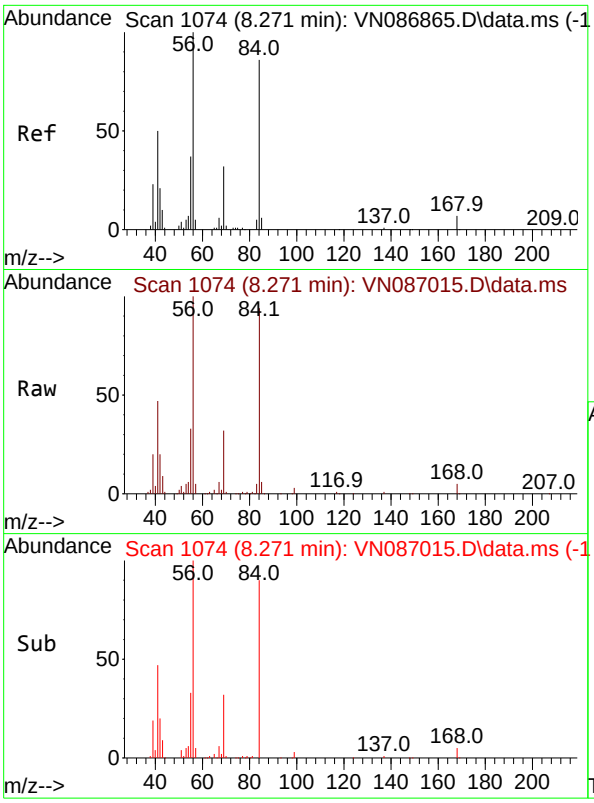


#30
Chloroform
Concen: 55.720 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 83 Resp: 220616

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.9	79.3



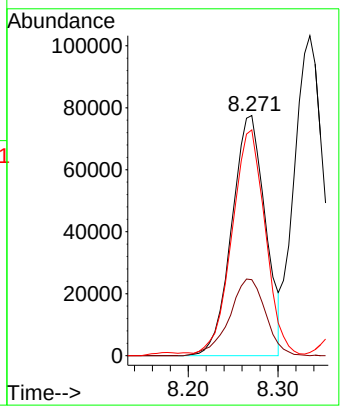


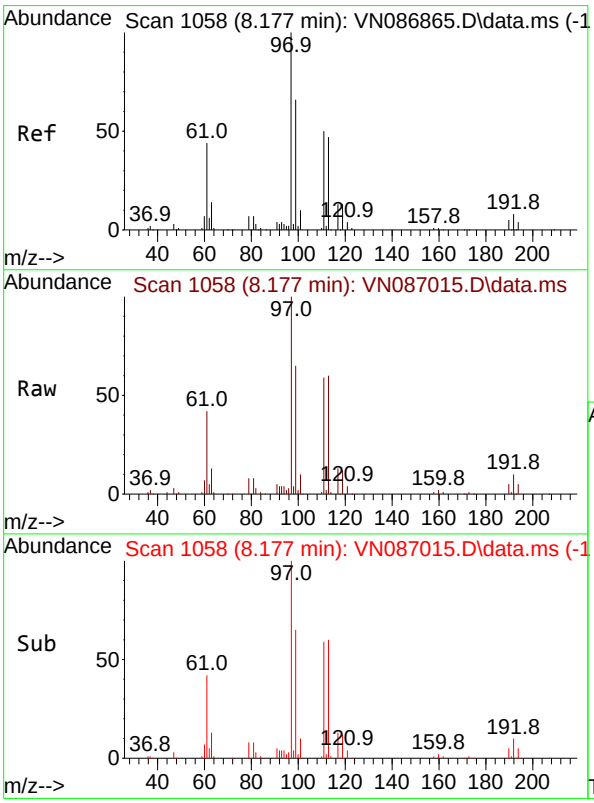
#31
Cyclohexane
Concen: 52.445 ug/l
RT: 8.271 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 201646

Ion	Ratio	Lower	Upper
56	100		
69	31.6	25.4	38.0
84	93.0	68.8	103.2

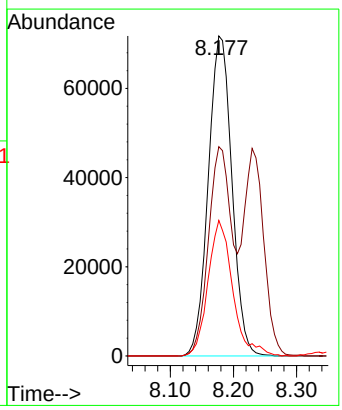


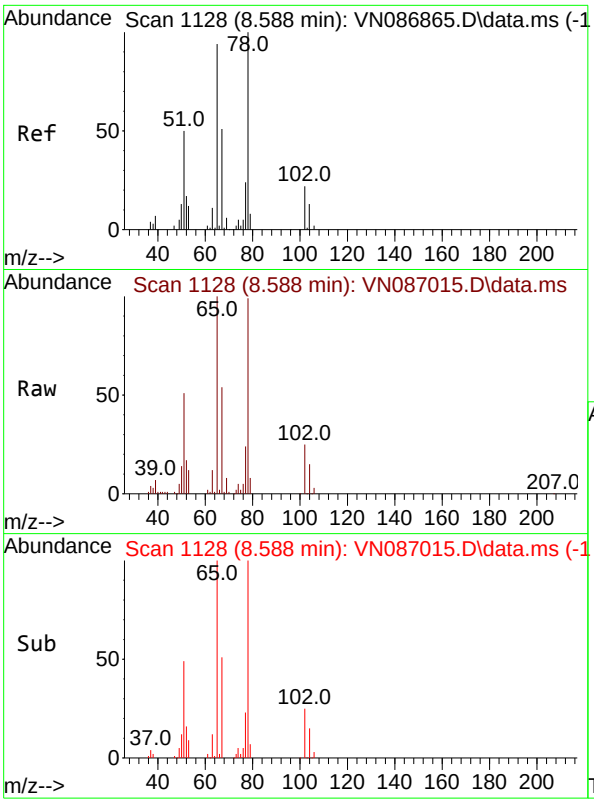


#32
1,1,1-Trichloroethane
Concen: 55.388 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 97 Resp: 186520

Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.0	78.0
61	44.2	35.9	53.9



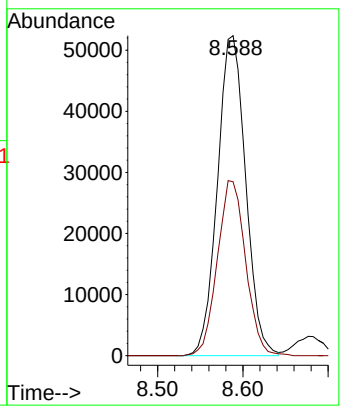


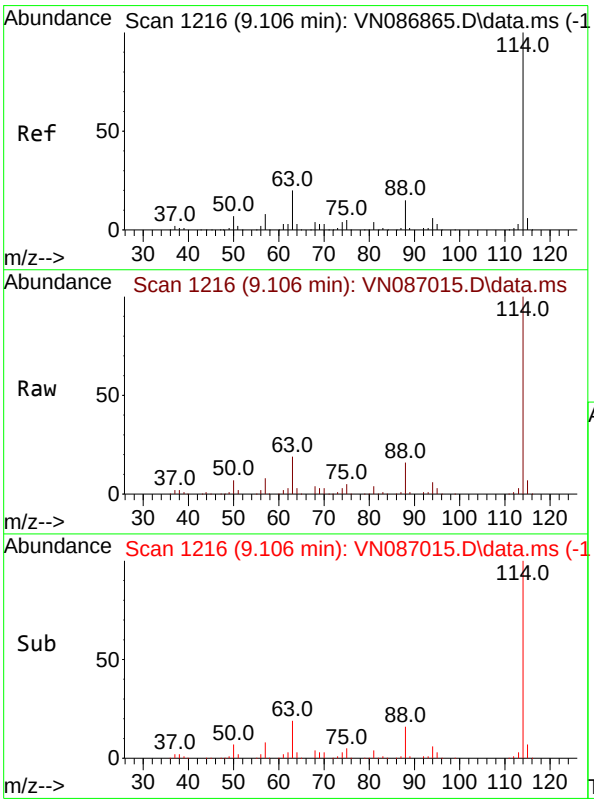
#33
1,2-Dichloroethane-d4
Concen: 50.832 ug/l
RT: 8.588 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 120504

Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	105.6

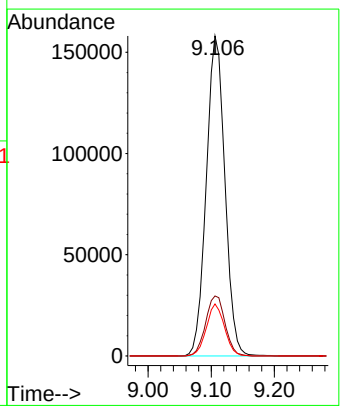


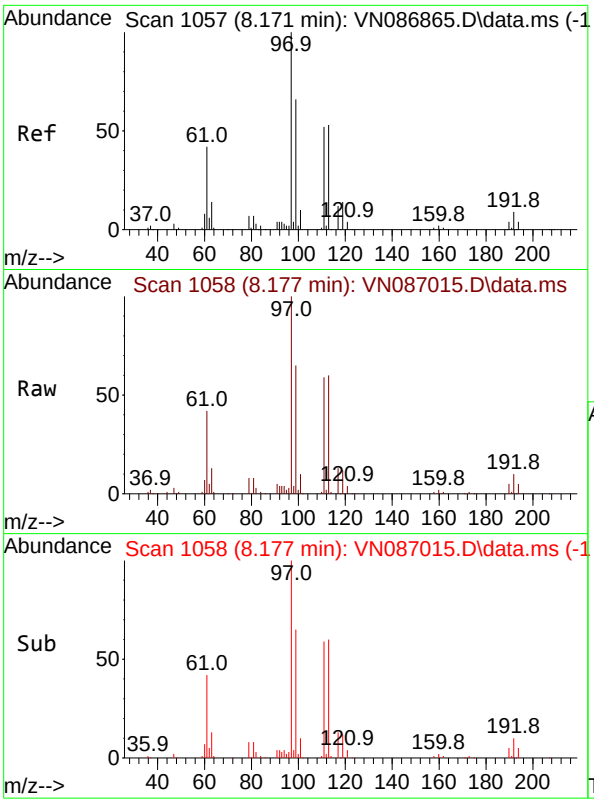


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:114 Resp: 323664

Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	39.6
88	16.2	0.0	30.2



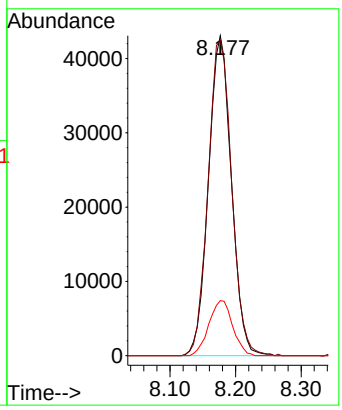


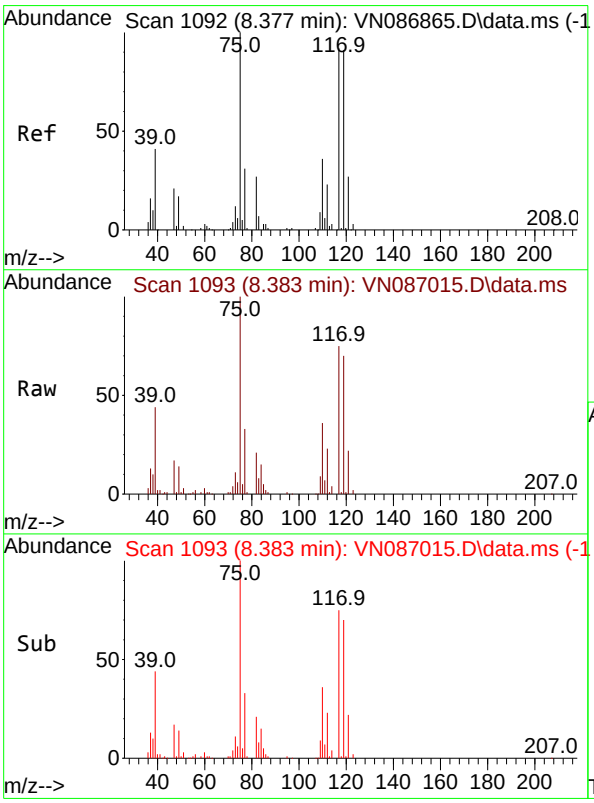
#35
Dibromofluoromethane
Concen: 54.504 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 104545

Ion	Ratio	Lower	Upper
113	100		
111	101.8	84.2	126.2
192	17.9	14.2	21.4

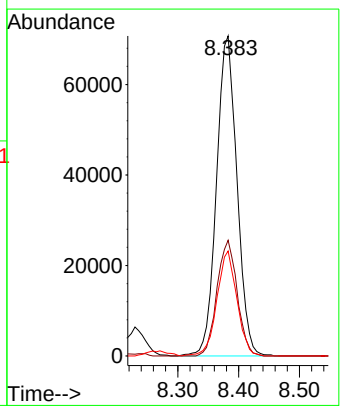


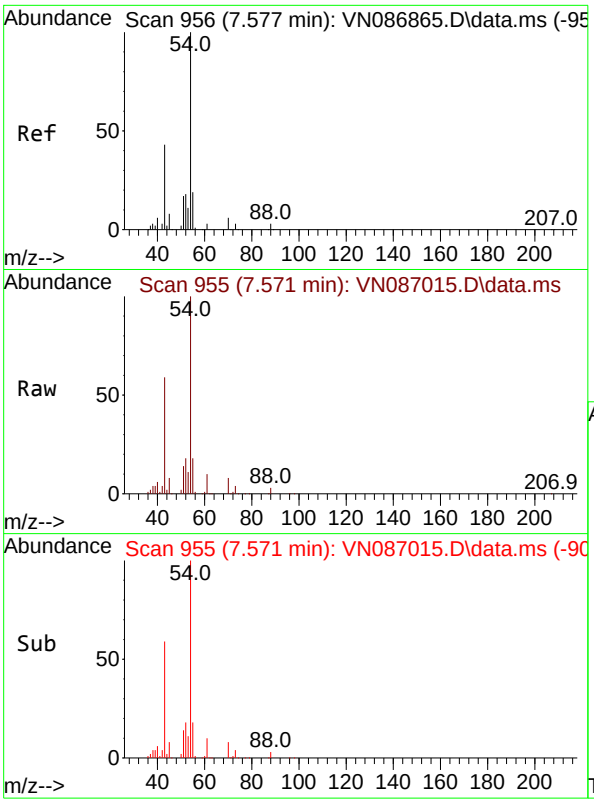


#36
1,1-Dichloropropene
Concen: 57.829 ug/l
RT: 8.383 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 75 Resp: 165286

Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.6	52.9
77	32.1	25.3	37.9



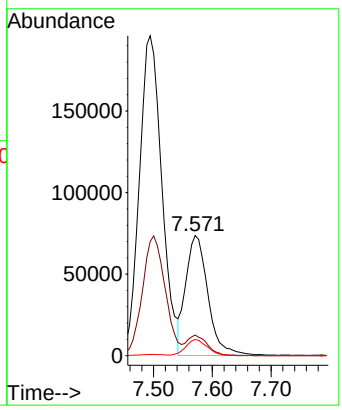


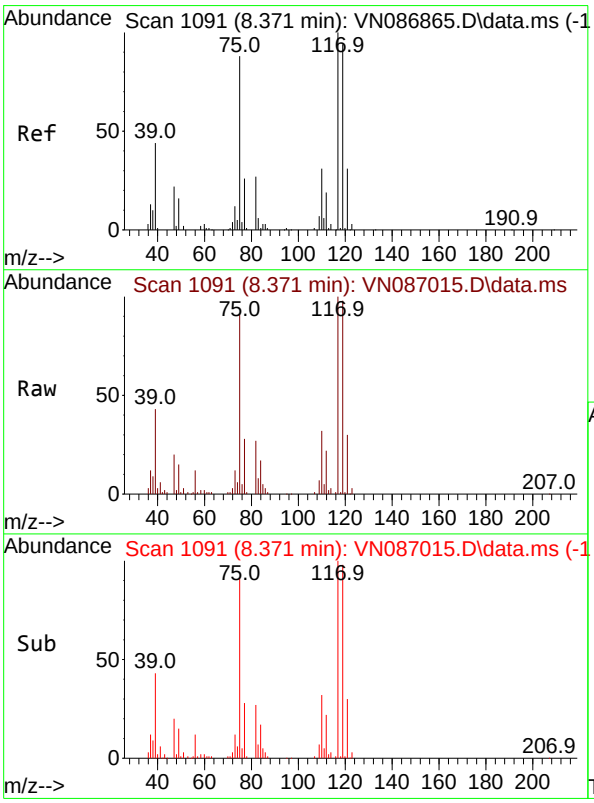
#37
Ethyl Acetate
Concen: 52.994 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 192815

Ion	Ratio	Lower	Upper
43	100		
61	16.0	12.1	18.1
70	13.1	9.8	14.6

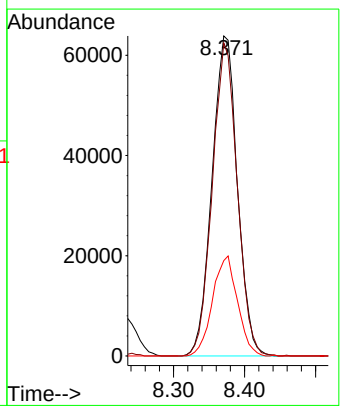


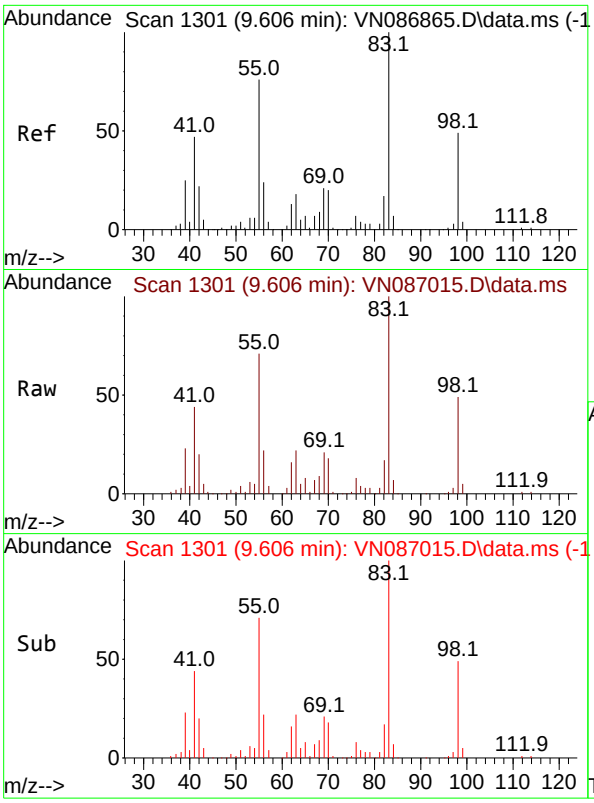


#38
Carbon Tetrachloride
Concen: 56.416 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:117 Resp: 158306

Ion	Ratio	Lower	Upper
117	100		
119	97.8	75.0	112.6
121	29.8	24.9	37.3



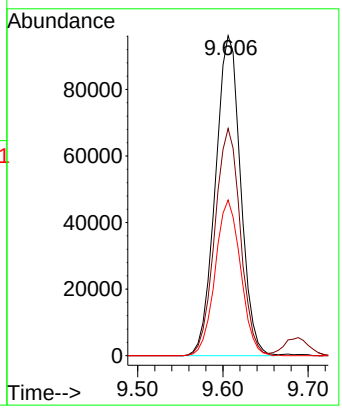


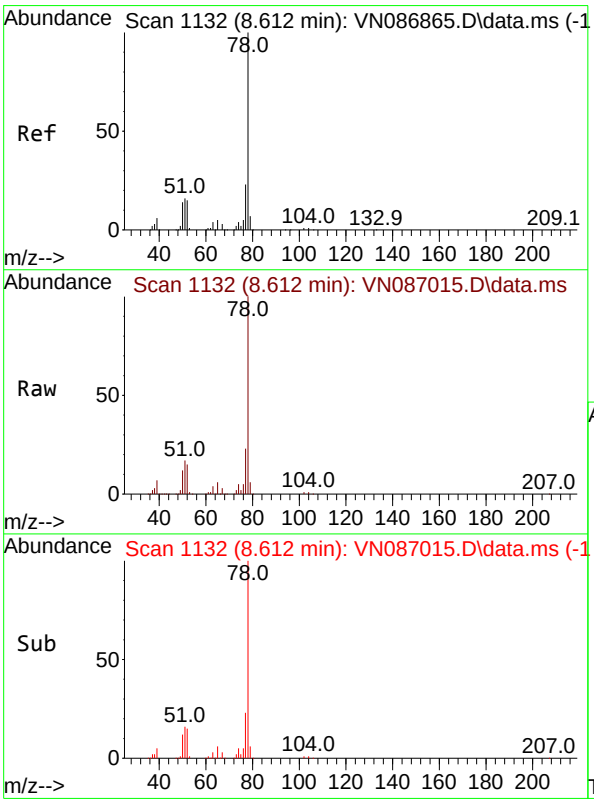
#39
Methylcyclohexane
Concen: 50.543 ug/l
RT: 9.606 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 197918

Ion	Ratio	Lower	Upper
83	100		
55	71.0	61.0	91.6
98	48.6	38.9	58.3

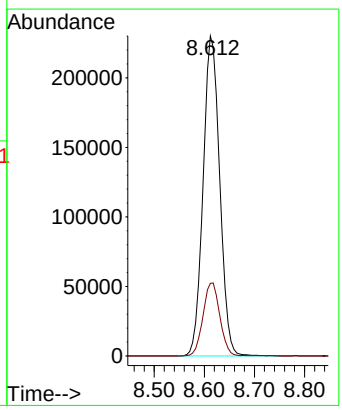


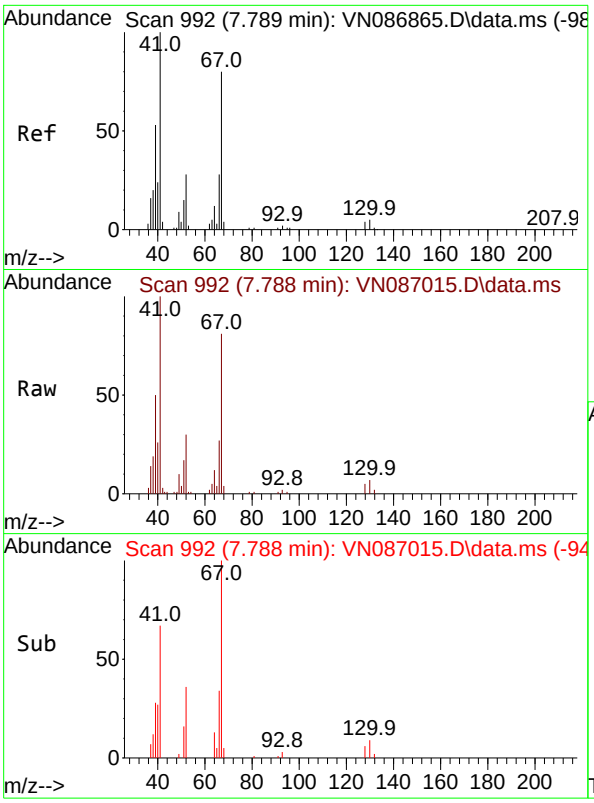


#40
Benzene
Concen: 56.727 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 78 Resp: 530188

Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.7	28.1



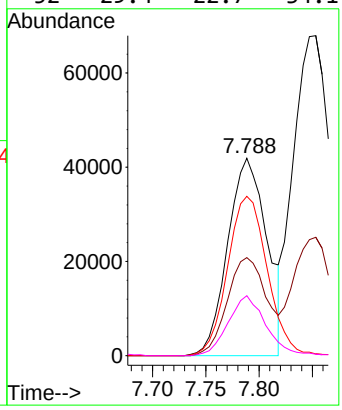


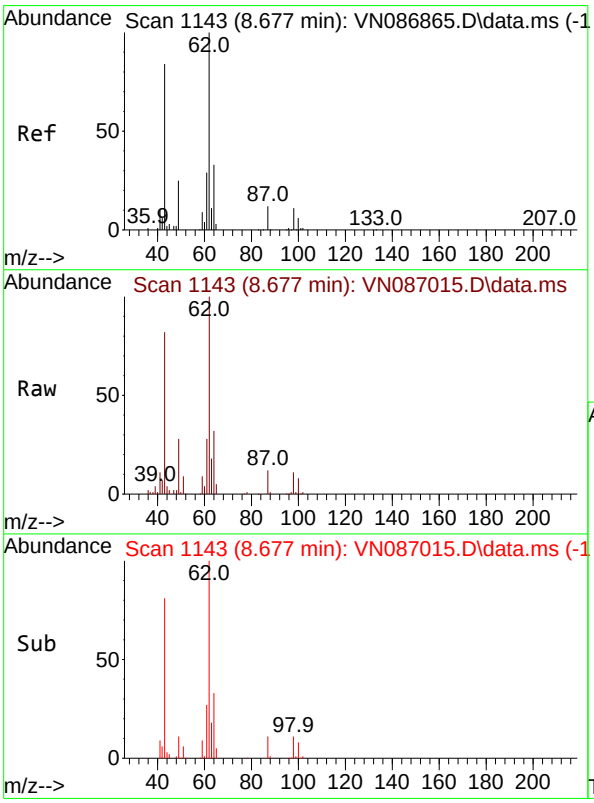
#41
Methacrylonitrile
Concen: 52.745 ug/l
RT: 7.788 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 107778

Ion	Ratio	Lower	Upper
41	100		
39	50.0	41.2	61.8
67	81.6	61.4	92.2
52	29.4	22.7	34.1

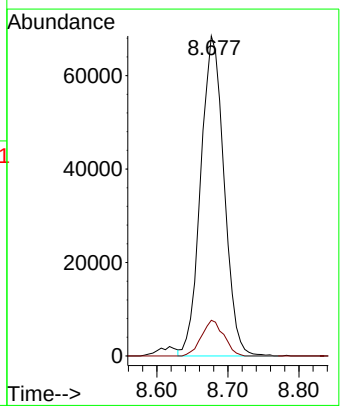


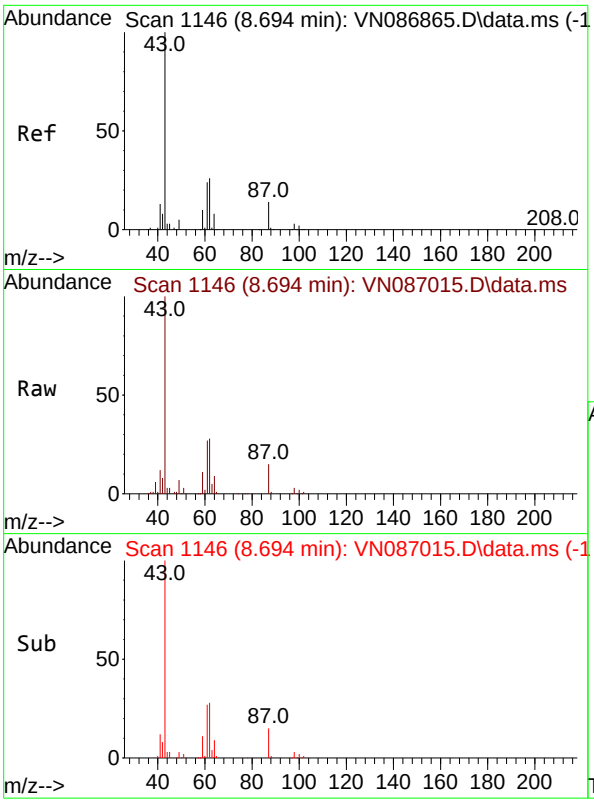


#42
1,2-Dichloroethane
Concen: 55.319 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 62 Resp: 156821

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.2



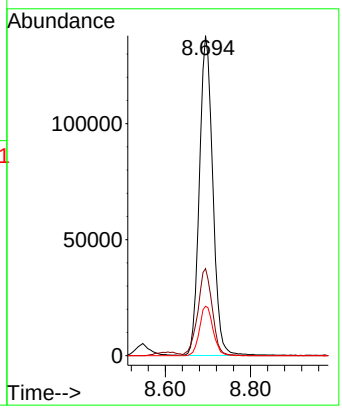


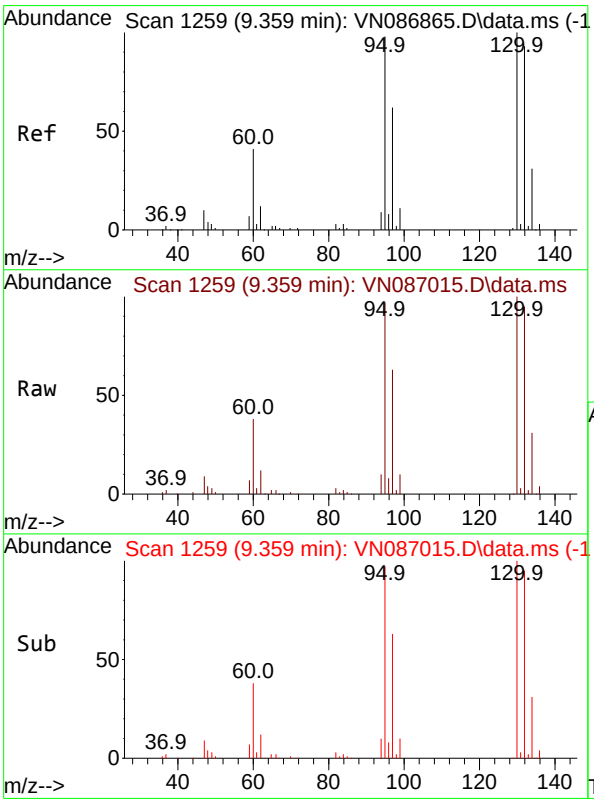
#43
Isopropyl Acetate
Concen: 51.413 ug/l
RT: 8.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 300238

Ion	Ratio	Lower	Upper
43	100		
61	29.3	22.1	33.1
87	15.7	11.8	17.6

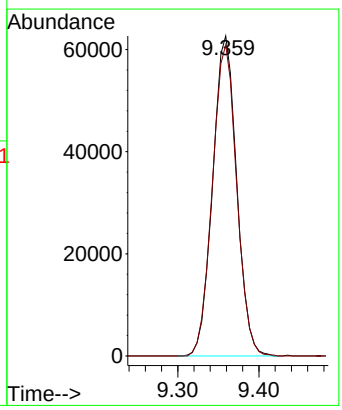


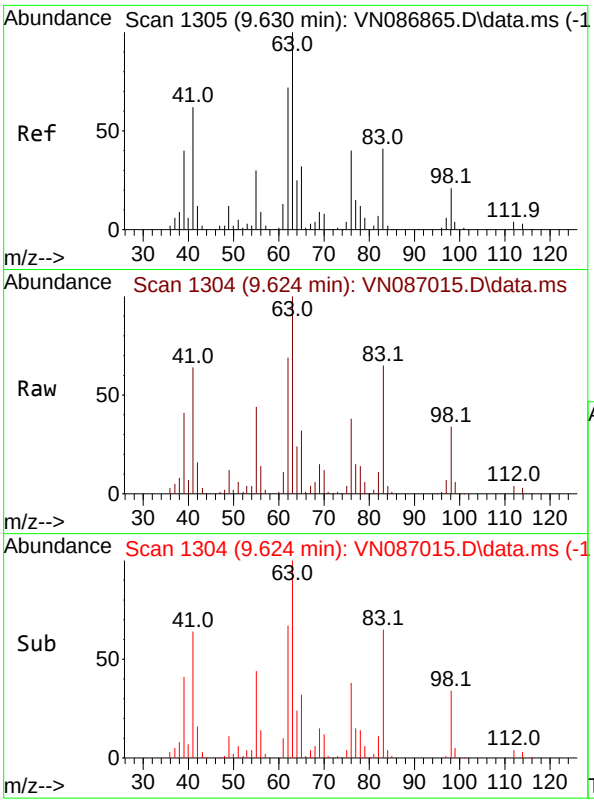


#44
Trichloroethene
Concen: 58.013 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:130 Resp: 128567

Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	196.2



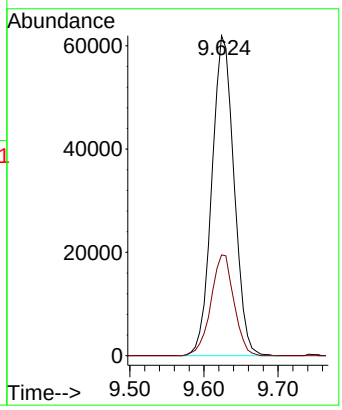


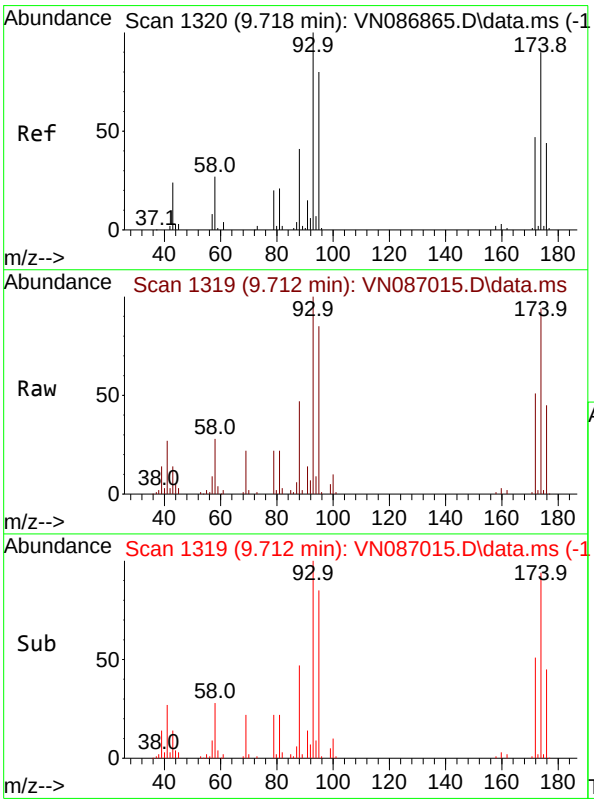
#45
1,2-Dichloropropane
Concen: 56.539 ug/l
RT: 9.624 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 128559

Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.5	38.3

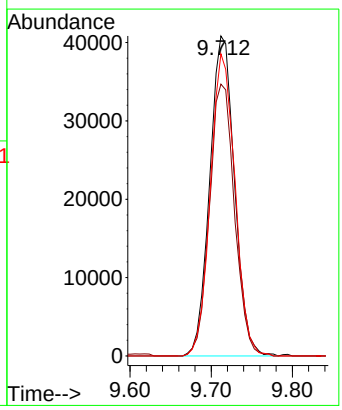


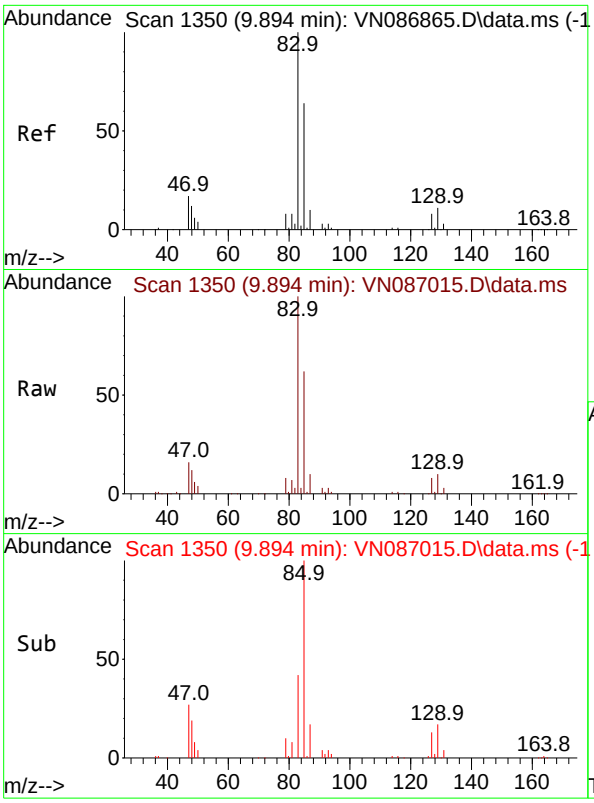


#46
Dibromomethane
Concen: 57.352 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 93 Resp: 86619

Ion	Ratio	Lower	Upper
93	100		
95	85.8	67.1	100.7
174	93.7	74.2	111.4



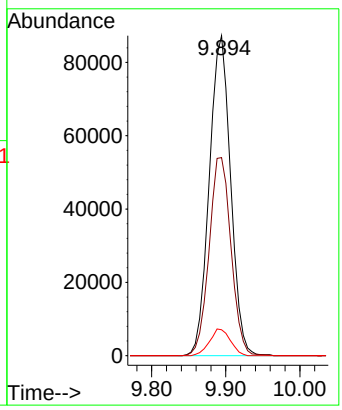


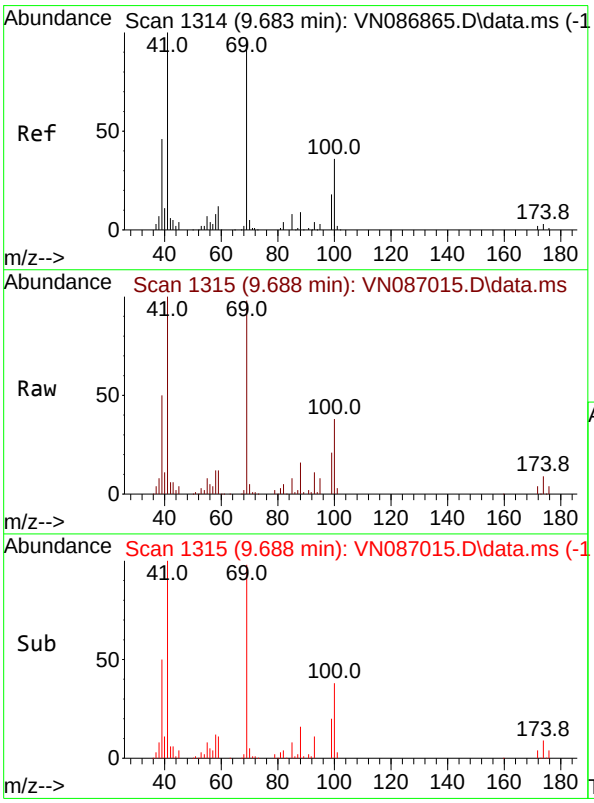
#47
Bromodichloromethane
Concen: 56.051 ug/l
RT: 9.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 174176

Ion	Ratio	Lower	Upper
83	100		
85	61.9	50.9	76.3
127	8.1	6.6	10.0

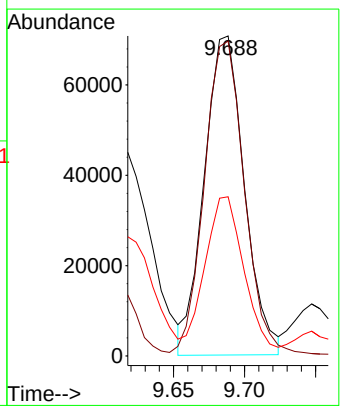


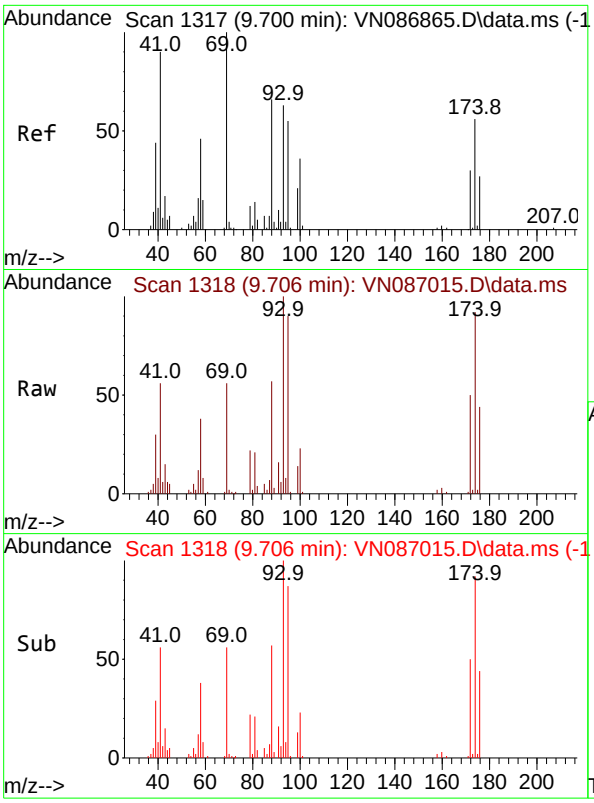


#48
Methyl methacrylate
Concen: 51.701 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 41 Resp: 138963

Ion	Ratio	Lower	Upper
41	100		
69	98.4	74.6	112.0
39	49.4	40.2	60.4



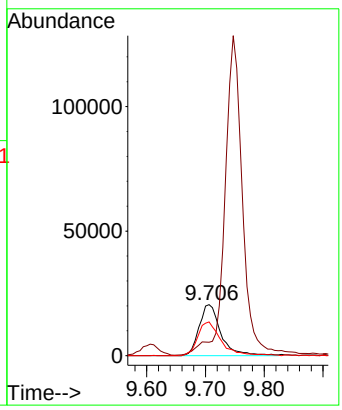


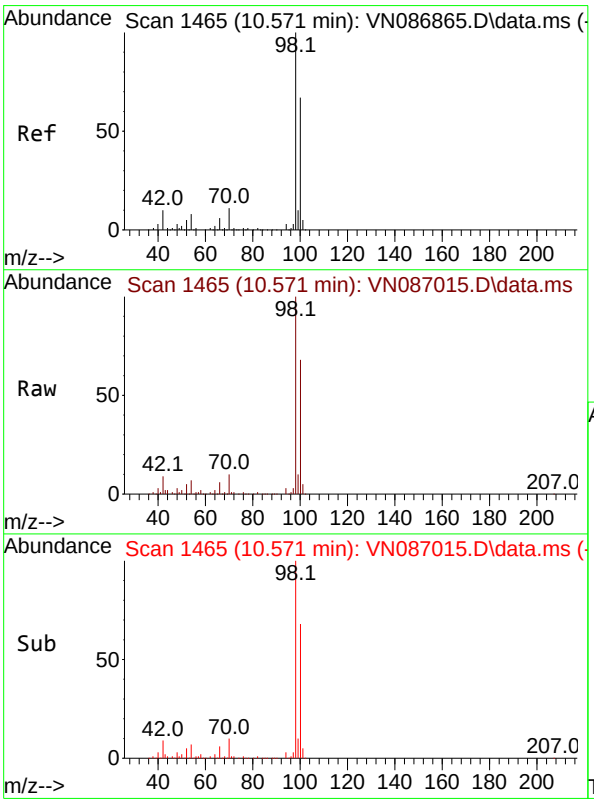
#49
1,4-Dioxane
Concen: 1080.544 ug/l
RT: 9.706 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 52836

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	70.6	57.7	86.5

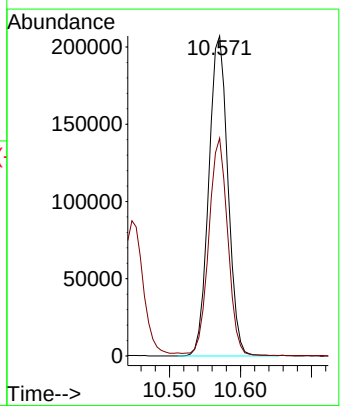


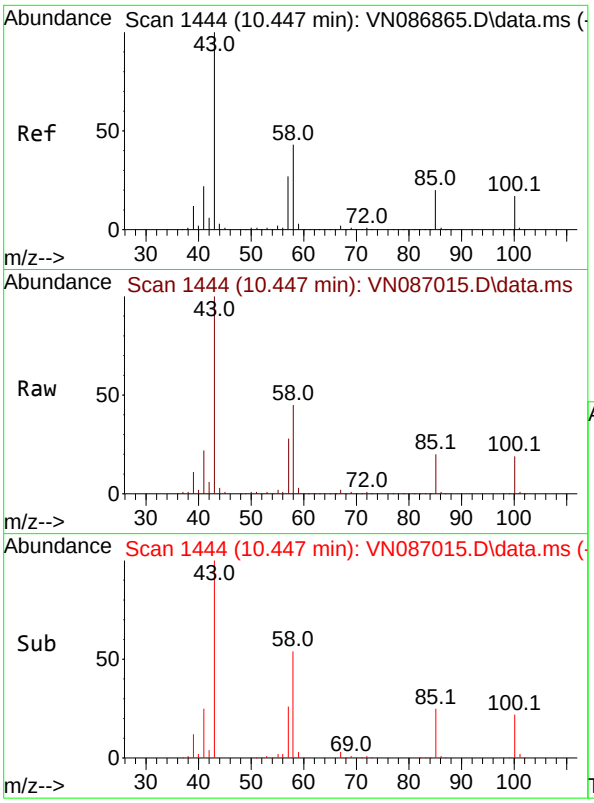


#50
Toluene-d8
Concen: 51.025 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 98 Resp: 387445

Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.4	80.0



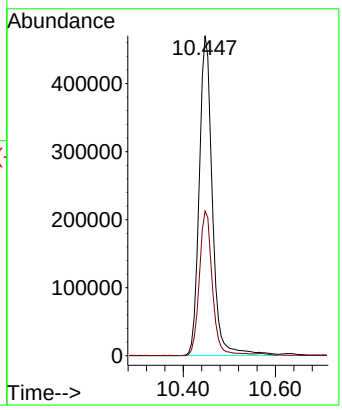


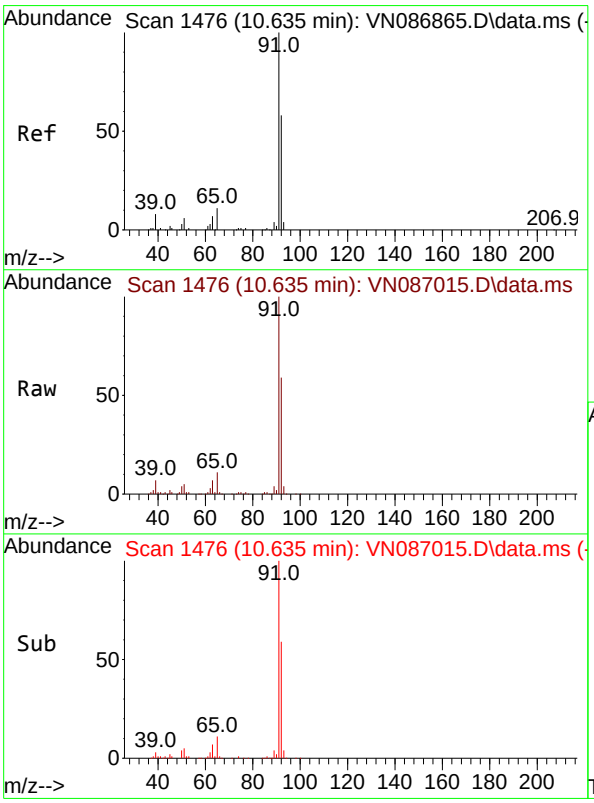
#51
4-Methyl-2-Pentanone
Concen: 266.296 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 936186

Ion	Ratio	Lower	Upper
43	100		
58	44.8	34.2	51.4

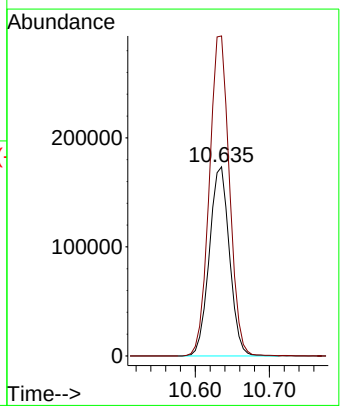


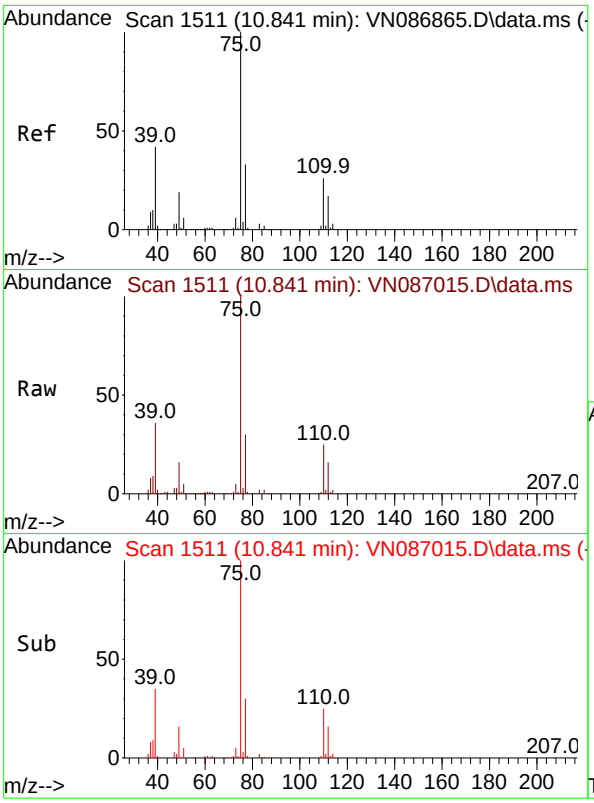


#52
Toluene
Concen: 57.220 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 92 Resp: 326827

Ion	Ratio	Lower	Upper
92	100		
91	169.4	136.5	204.7



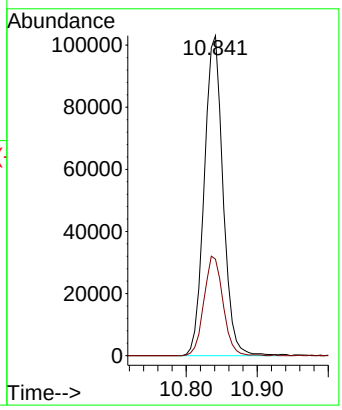


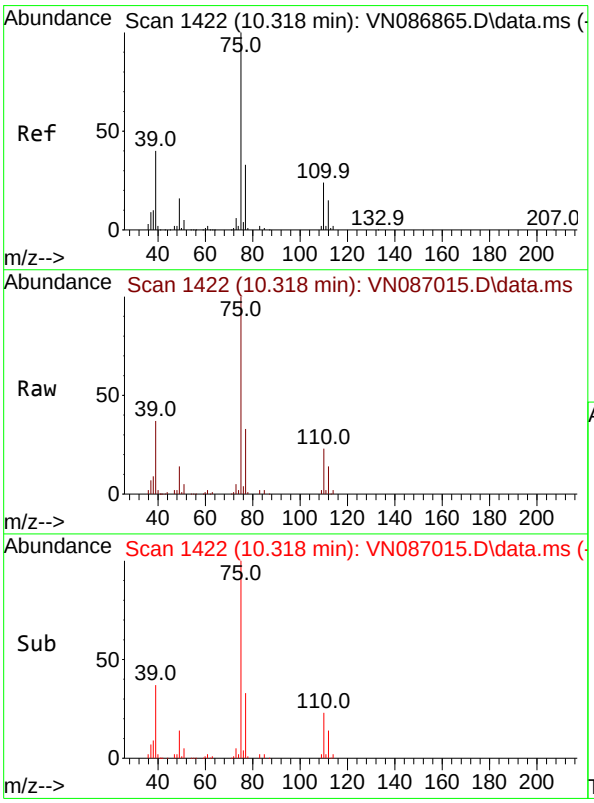
#53
t-1,3-Dichloropropene
Concen: 54.355 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 188870

Ion	Ratio	Lower	Upper
75	100		
77	30.2	26.4	39.6

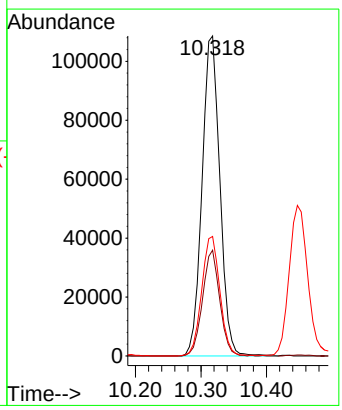


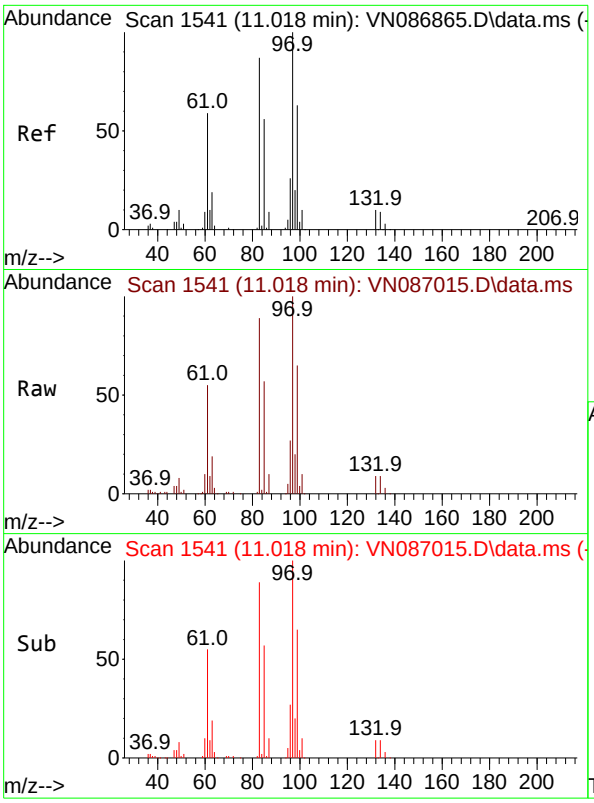


#54
cis-1,3-Dichloropropene
Concen: 55.209 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 75 Resp: 205259

Ion	Ratio	Lower	Upper
75	100		
77	33.0	26.2	39.4
39	37.3	32.3	48.5



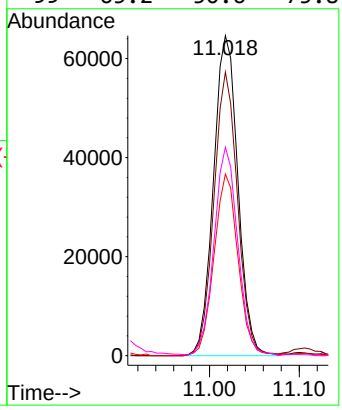


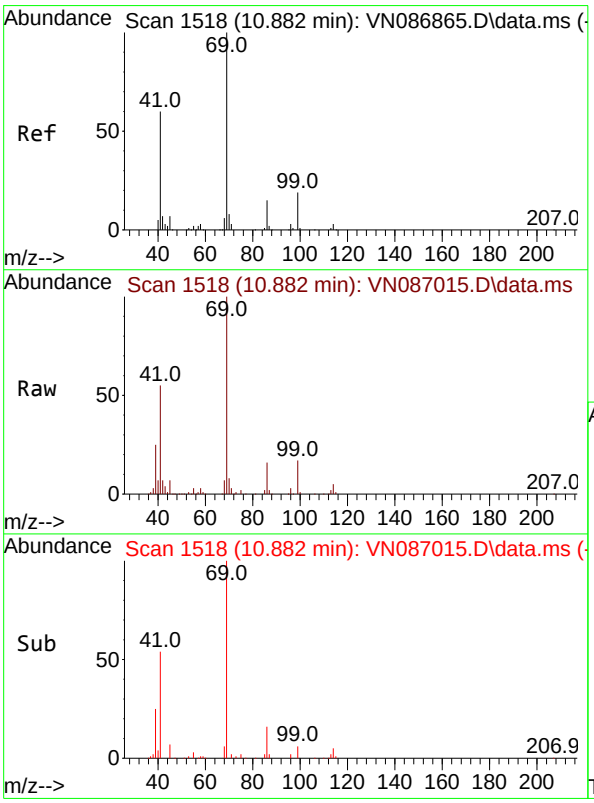
#55
1,1,2-Trichloroethane
Concen: 55.567 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 122125

Ion	Ratio	Lower	Upper
97	100		
83	88.6	69.7	104.5
85	56.7	45.1	67.7
99	65.2	50.6	75.8

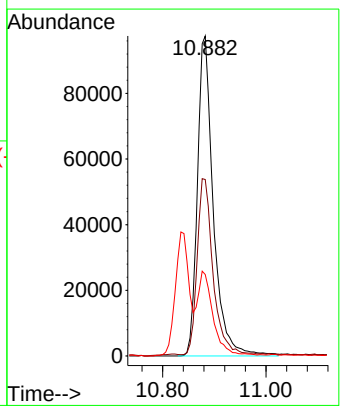


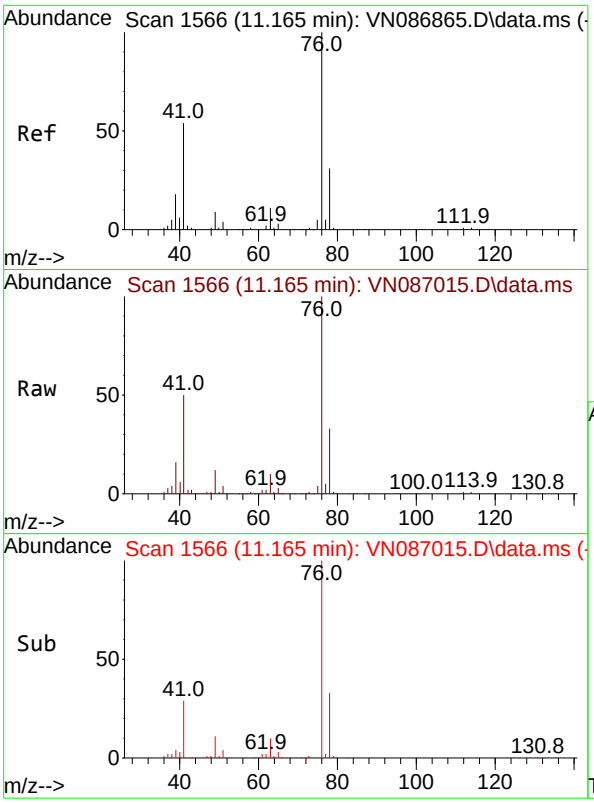


#56
Ethyl methacrylate
Concen: 59.518 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 69 Resp: 208346

Ion	Ratio	Lower	Upper
69	100		
41	54.9	47.2	70.8
39	25.6	23.0	34.6



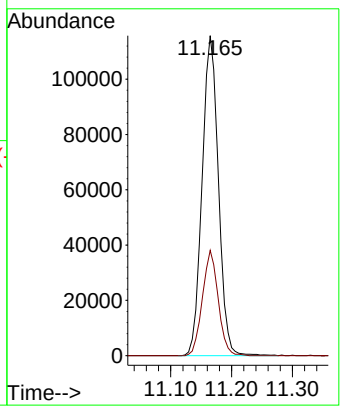


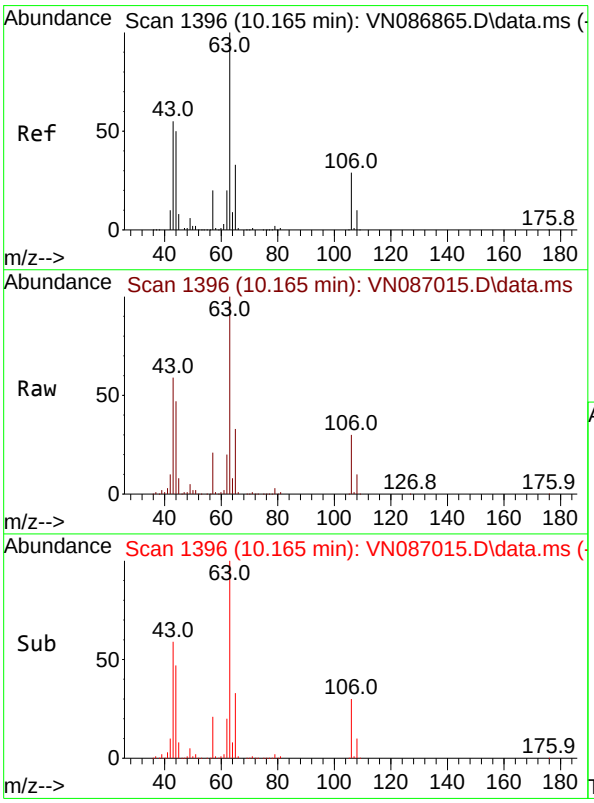
#57
1,3-Dichloropropane
Concen: 56.341 ug/l
RT: 11.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 214803

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.3	37.9

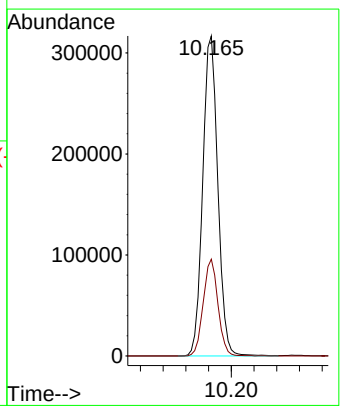


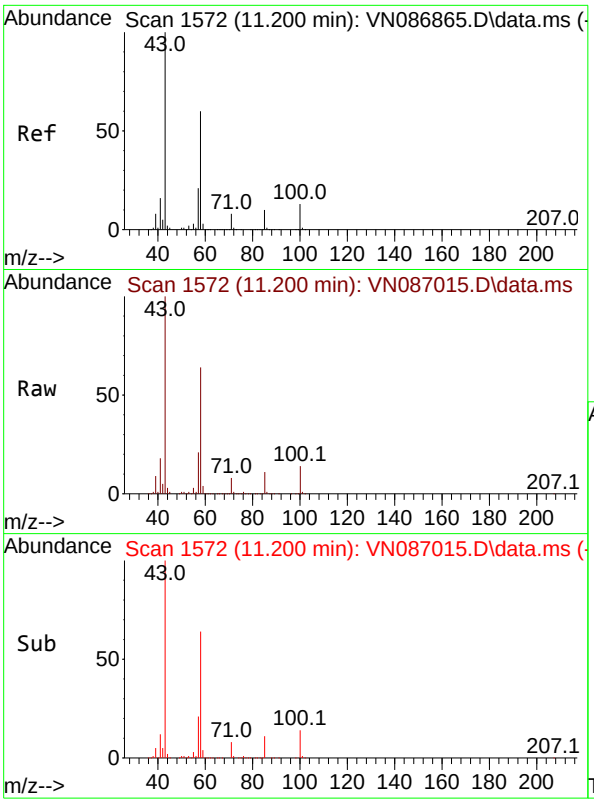


#58
2-Chloroethyl Vinyl ether
Concen: 278.815 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 63 Resp: 582139

Ion	Ratio	Lower	Upper
63	100		
106	29.5	23.0	34.6



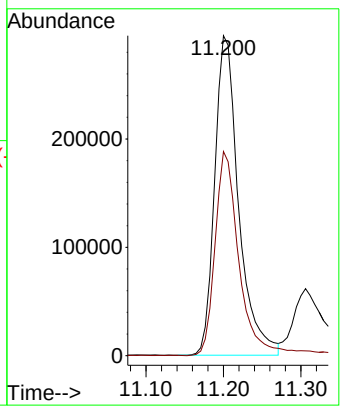


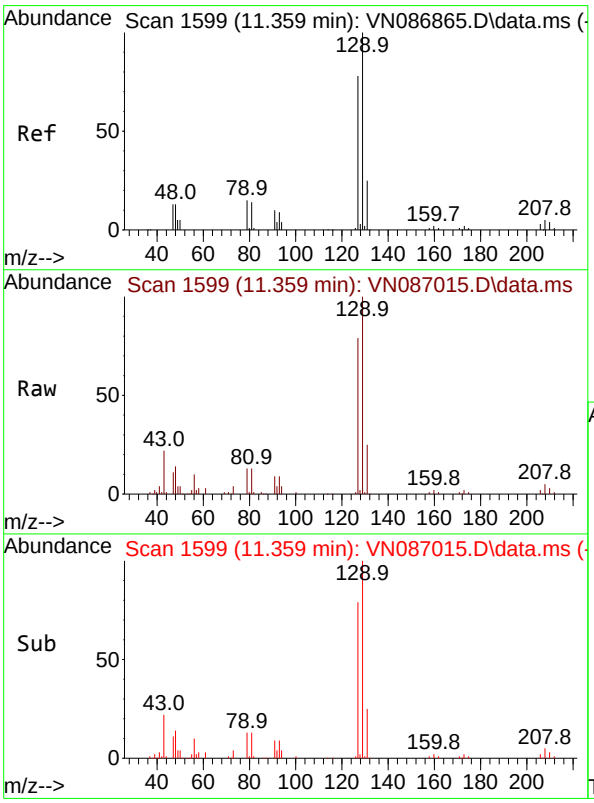
#59
2-Hexanone
Concen: 279.908 ug/l
RT: 11.200 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 633853

Ion	Ratio	Lower	Upper
43	100		
58	66.1	30.4	91.3

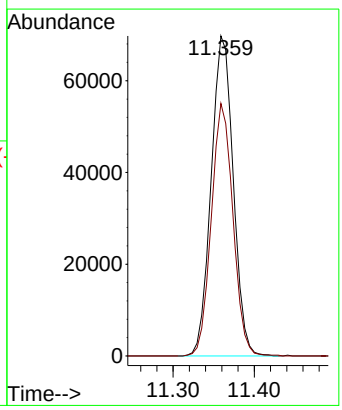


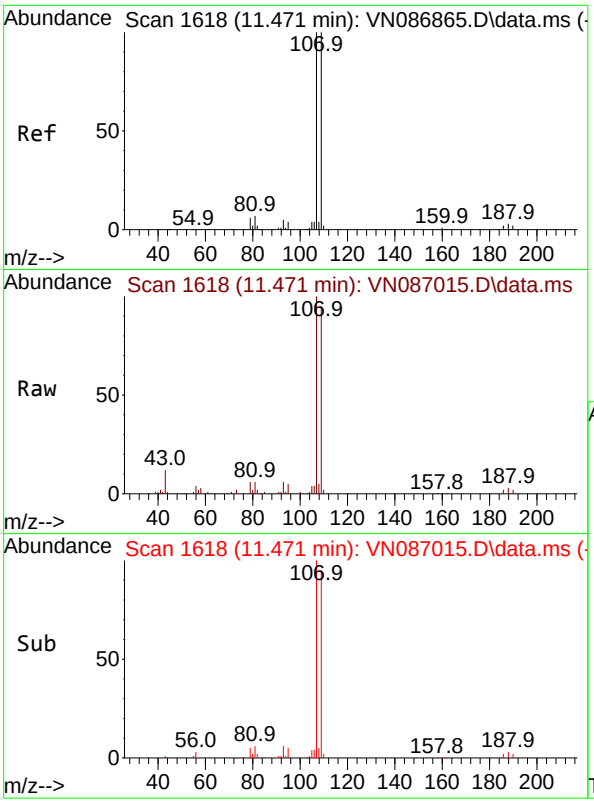


#60
Dibromochloromethane
Concen: 57.629 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:129 Resp: 131961

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.8



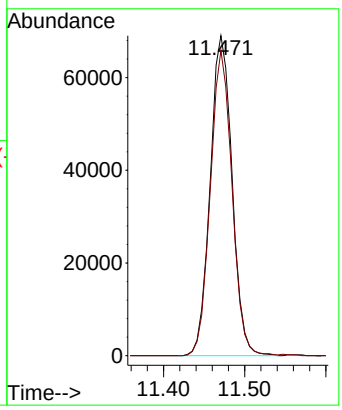


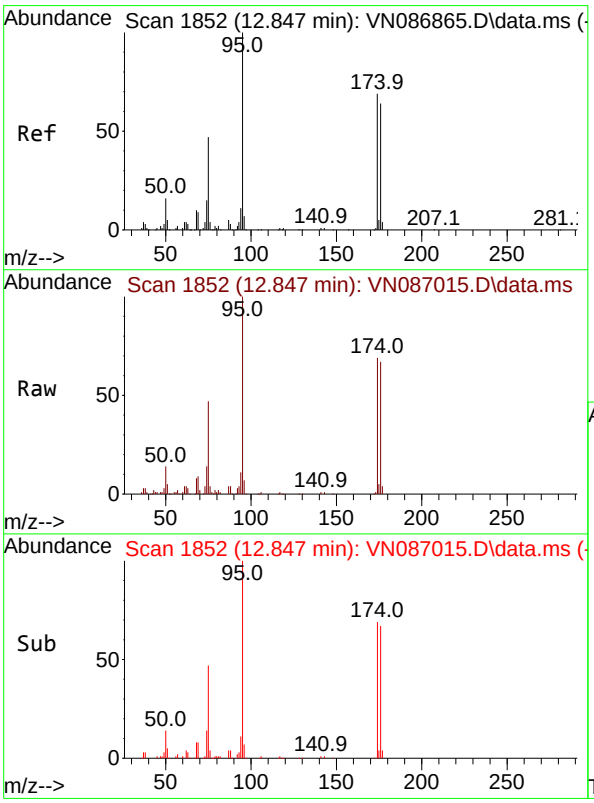
#61
1,2-Dibromoethane
Concen: 57.456 ug/l
RT: 11.471 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 129432

Ion	Ratio	Lower	Upper
107	100		
109	94.1	76.3	114.5

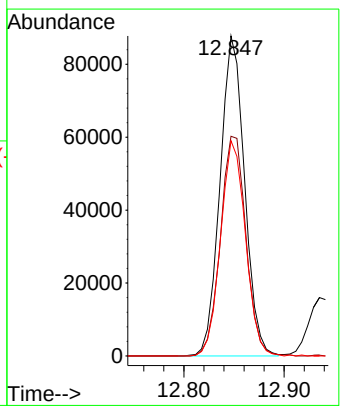


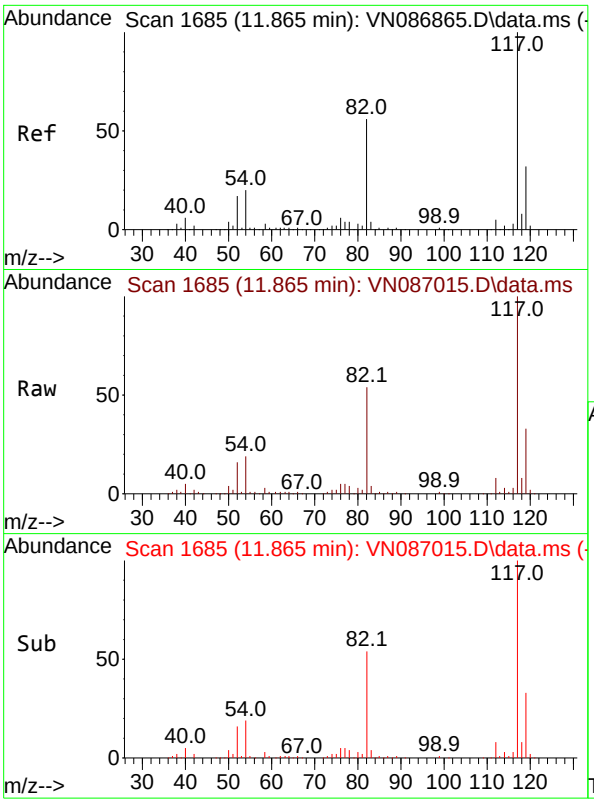


#62
4-Bromofluorobenzene
Concen: 52.808 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 95 Resp: 148979

Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	141.8
176	68.4	0.0	132.6



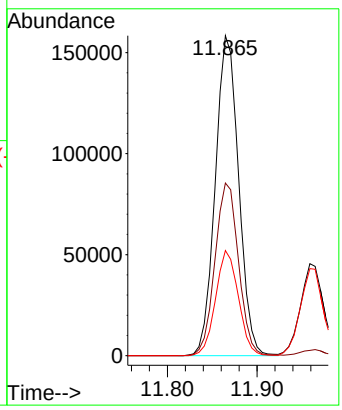


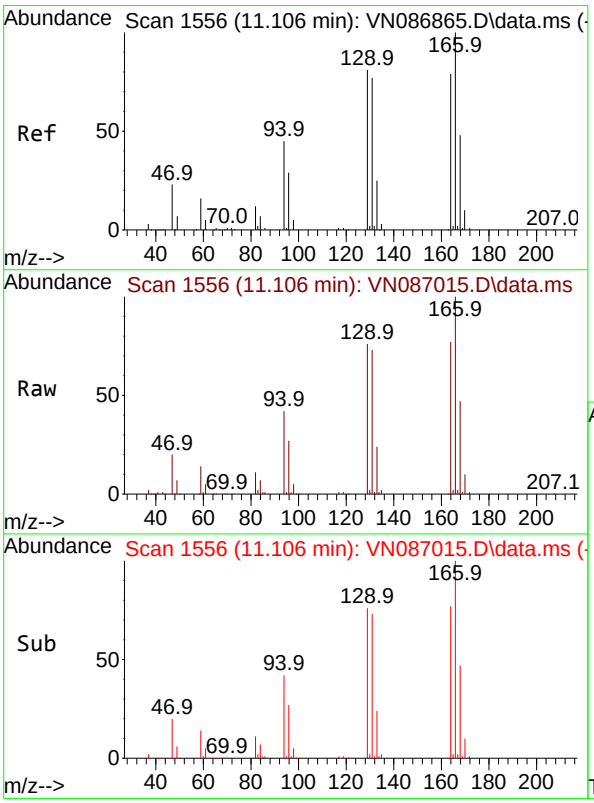
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 286714

Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.6	67.0
119	32.8	25.5	38.3

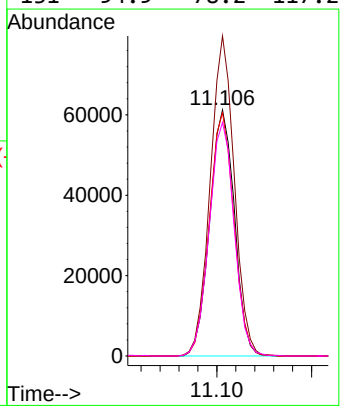


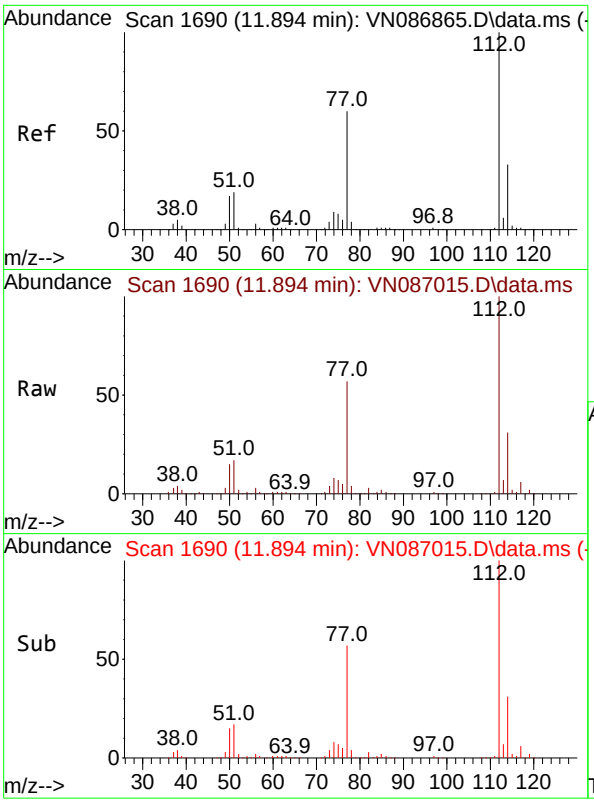


#64
Tetrachloroethene
Concen: 61.148 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:164 Resp: 110954

Ion	Ratio	Lower	Upper
164	100		
166	130.1	101.8	152.8
129	98.8	83.0	124.4
131	94.9	78.2	117.2



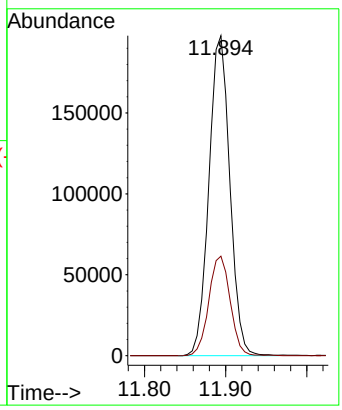


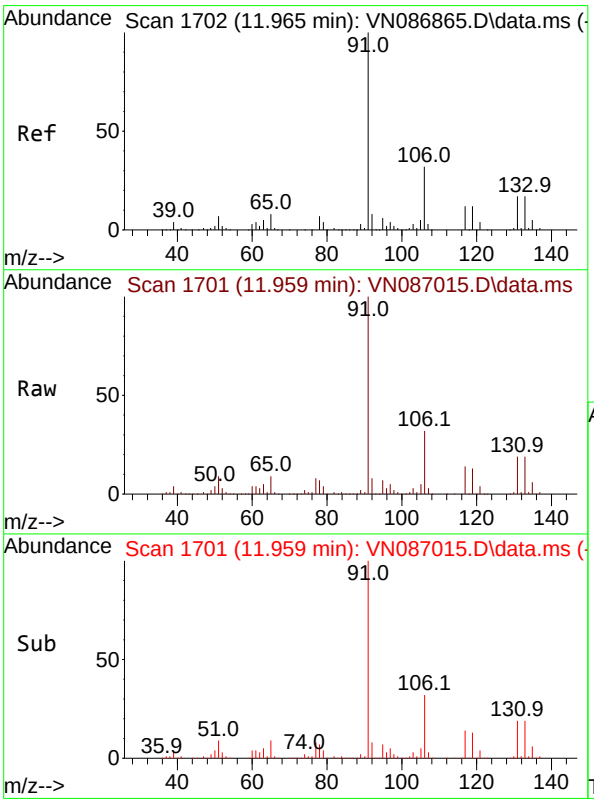
#65
Chlorobenzene
Concen: 55.910 ug/l
RT: 11.894 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 353548

Ion	Ratio	Lower	Upper
112	100		
114	31.1	26.2	39.2

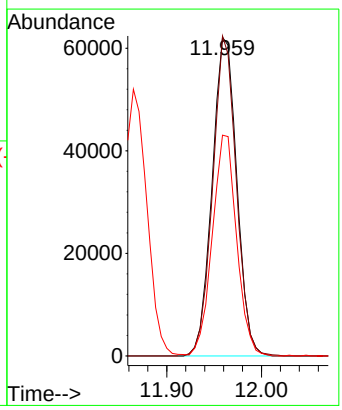


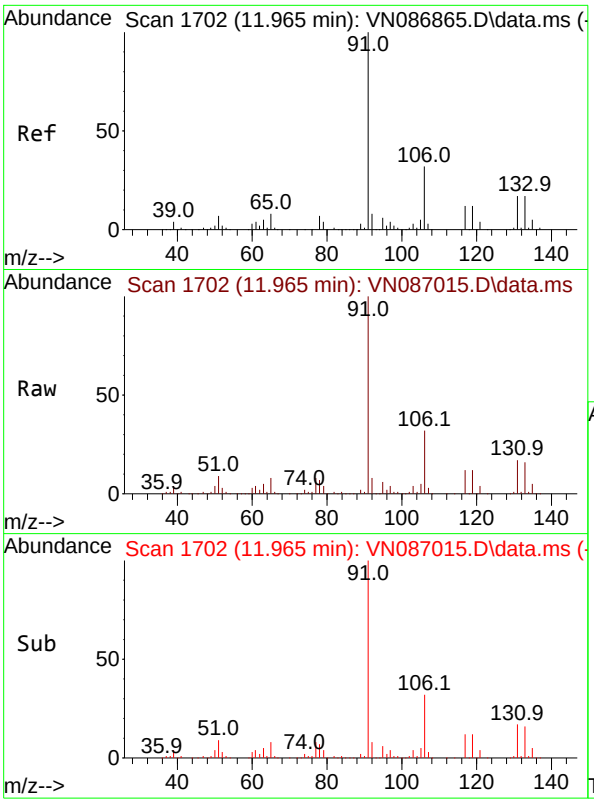


#66
1,1,1,2-Tetrachloroethane
Concen: 55.207 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:131 Resp: 112219

Ion	Ratio	Lower	Upper
131	100		
133	96.3	48.3	144.8
119	68.5	34.0	101.8



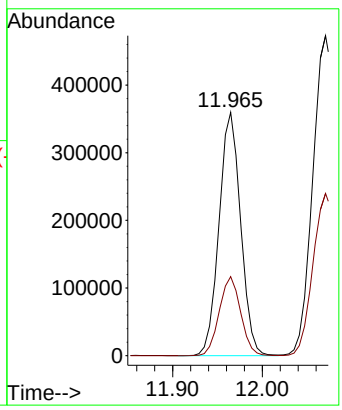


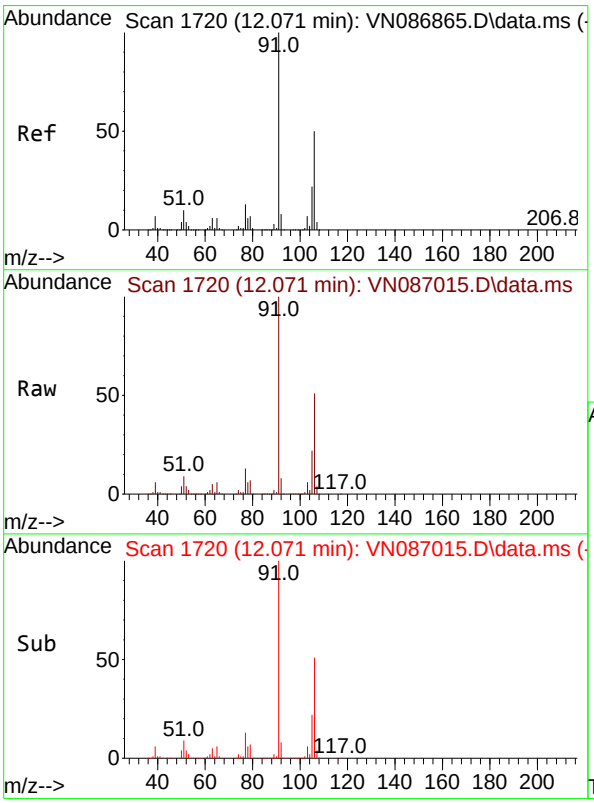
#67
Ethyl Benzene
Concen: 55.151 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 600721

Ion	Ratio	Lower	Upper
91	100		
106	32.5	25.4	38.2

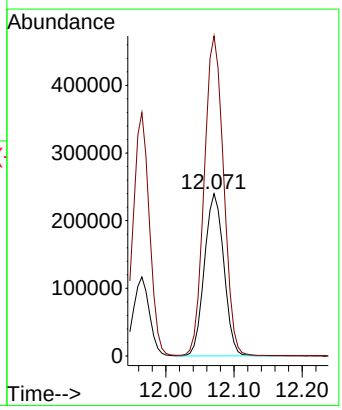


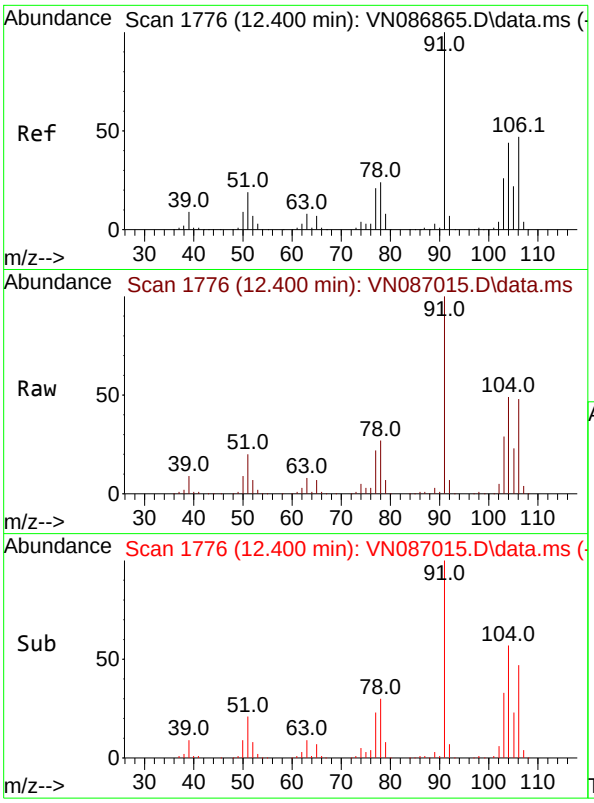


#68
m/p-Xylenes
Concen: 113.745 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:106 Resp: 474265

Ion	Ratio	Lower	Upper
106	100		
91	197.5	159.4	239.0



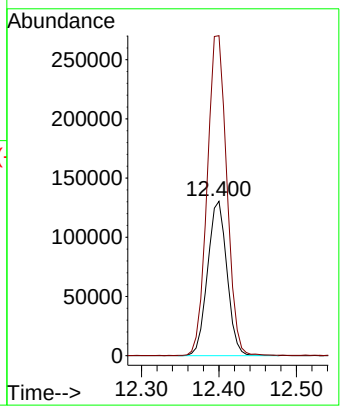


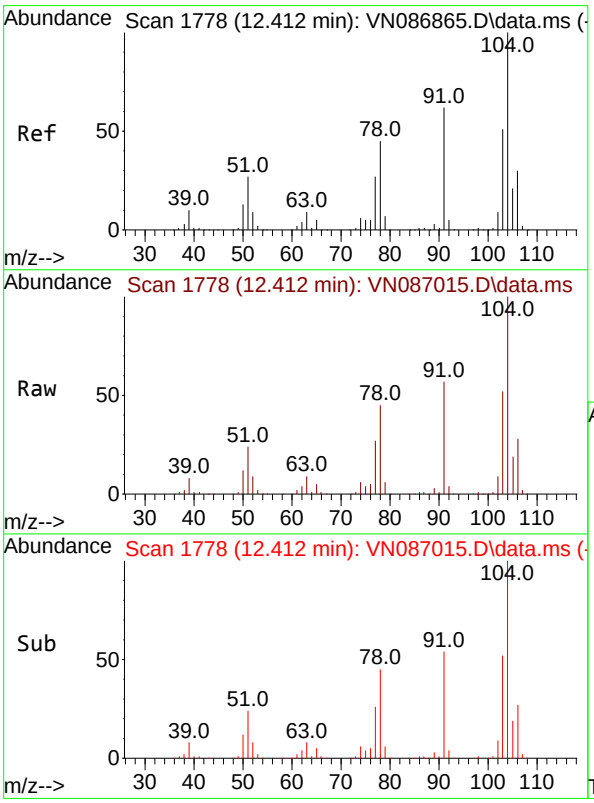
#69
o-Xylene
Concen: 56.733 ug/l
RT: 12.400 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 226555

Ion	Ratio	Lower	Upper
106	100		
91	210.5	106.1	318.1

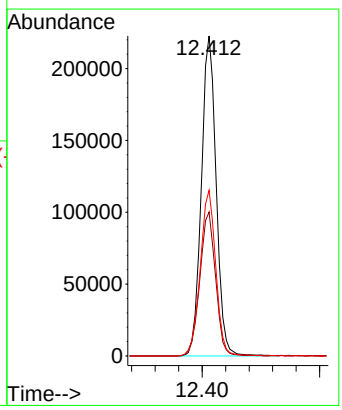


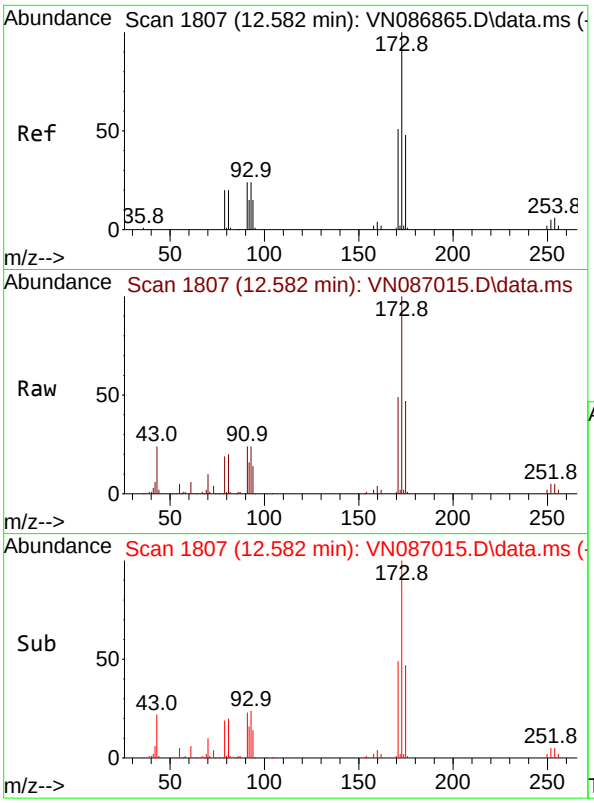


#70
Styrene
Concen: 57.257 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:104 Resp: 391256

Ion	Ratio	Lower	Upper
104	100		
78	47.5	38.5	57.7
103	54.1	43.1	64.7



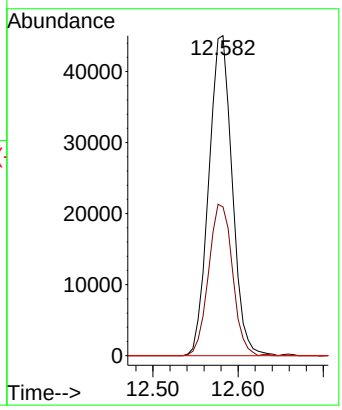


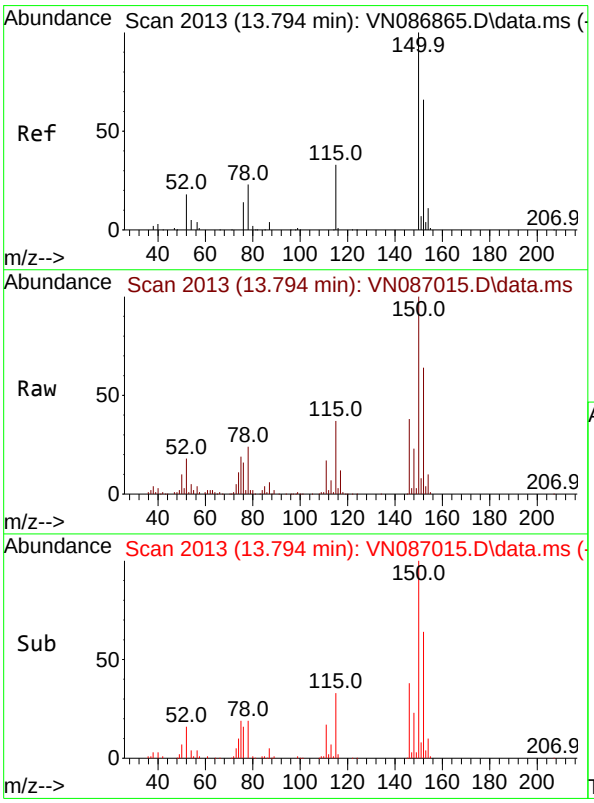
#71
Bromoform
Concen: 57.160 ug/l
RT: 12.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 86089

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.4
254	0.0	0.0	0.0

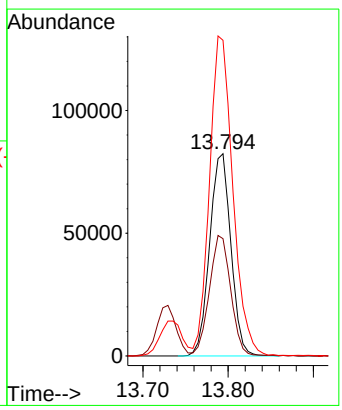


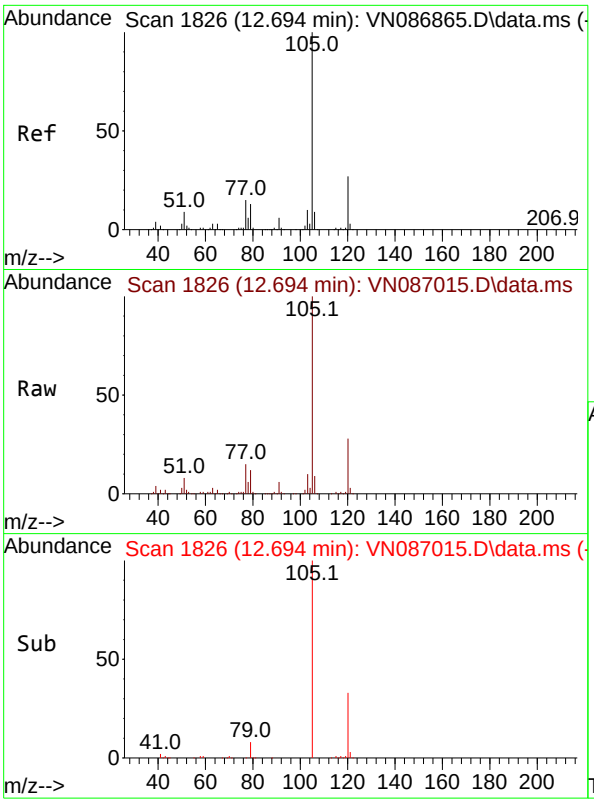


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:152 Resp: 143044

Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.1	90.5
150	172.9	0.0	345.0



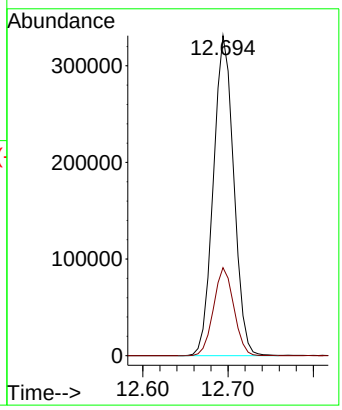


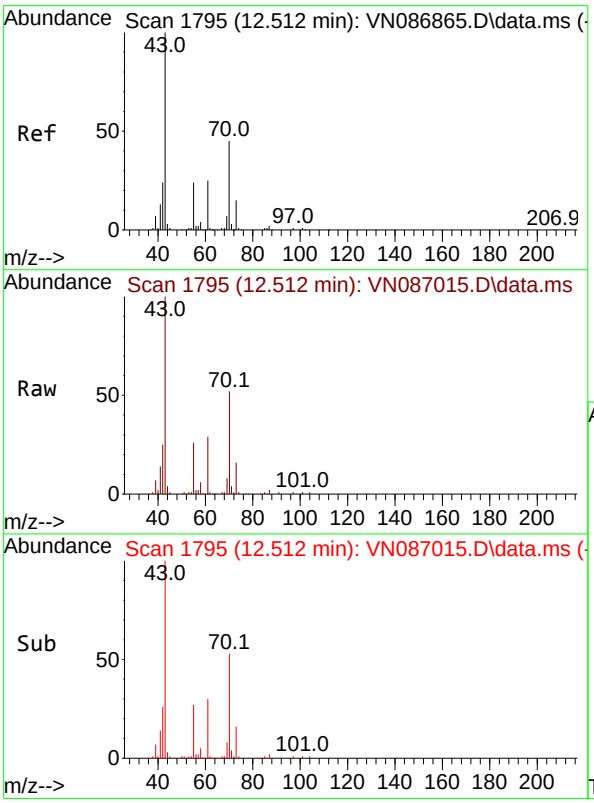
#73
Isopropylbenzene
Concen: 52.915 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 551423

Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.5	40.4

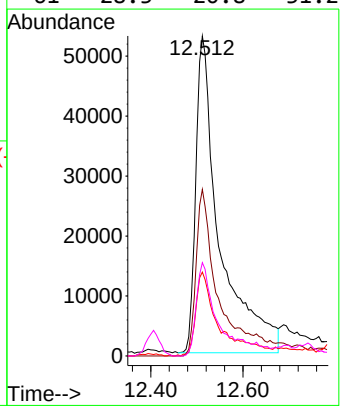


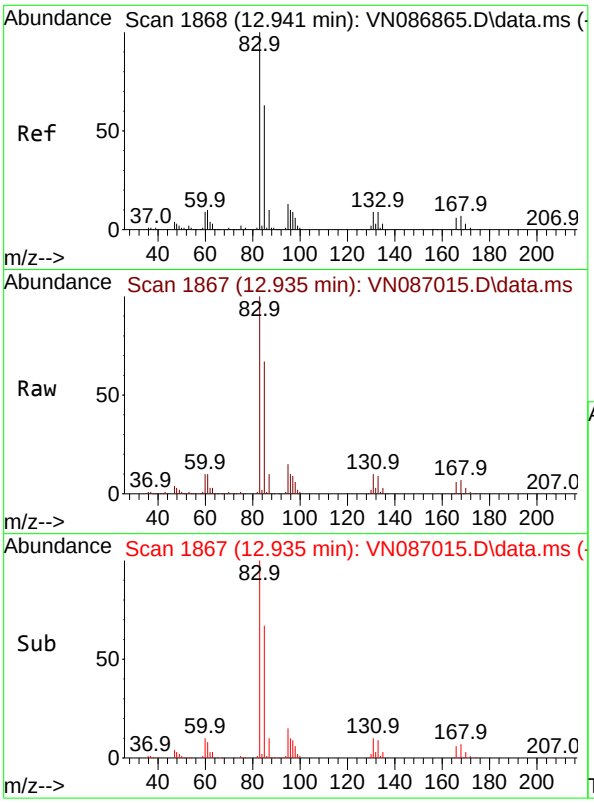


#74
N-amyl acetate
Concen: 52.247 ug/l
RT: 12.512 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 43 Resp: 190258

Ion	Ratio	Lower	Upper
43	100		
70	49.9	37.6	56.4
55	26.3	19.0	28.6
61	28.3	20.8	31.2



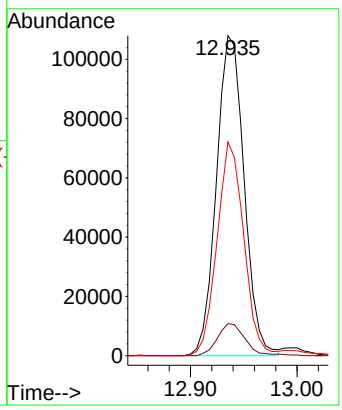


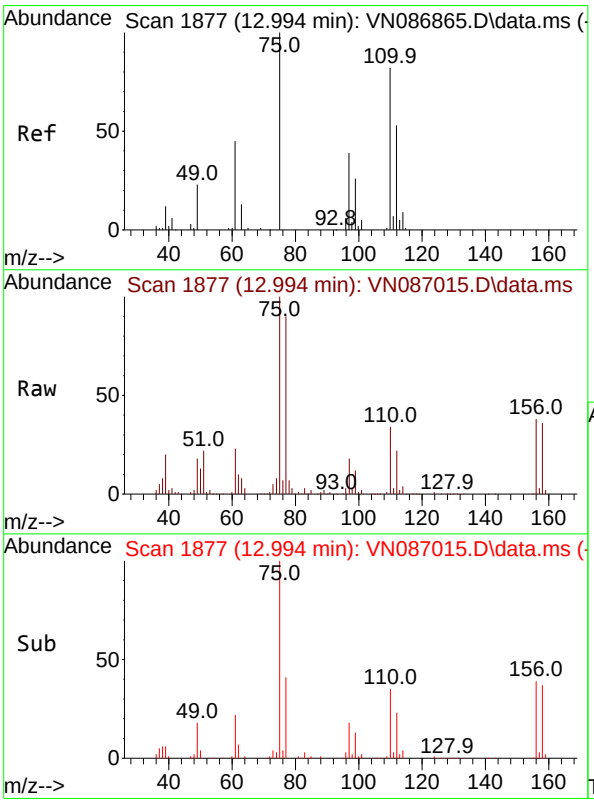
#75
1,1,2,2-Tetrachloroethane
Concen: 55.290 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 195192

Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	64.4	32.0	96.0

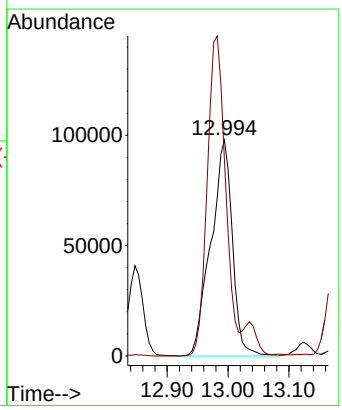


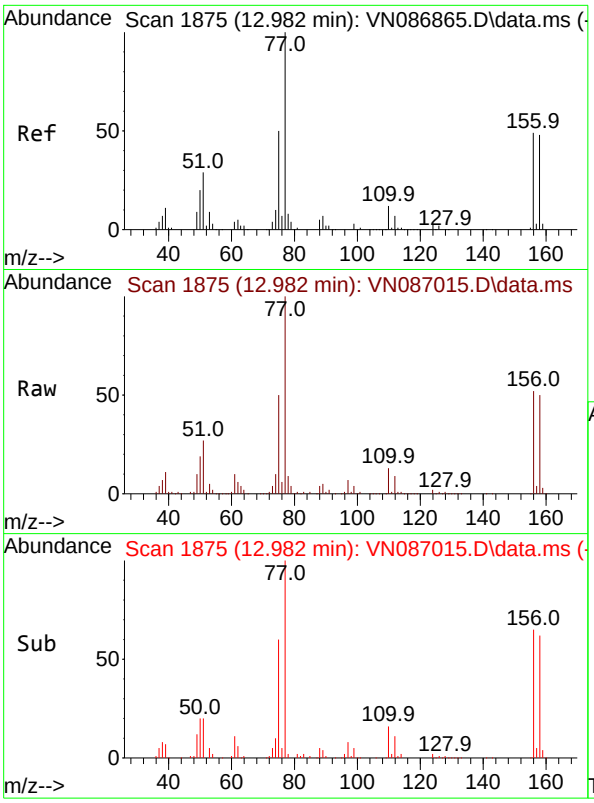


#76
1,2,3-Trichloropropane
Concen: 70.541 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 75 Resp: 239854

Ion	Ratio	Lower	Upper
75	100		
77	125.6	79.3	237.9



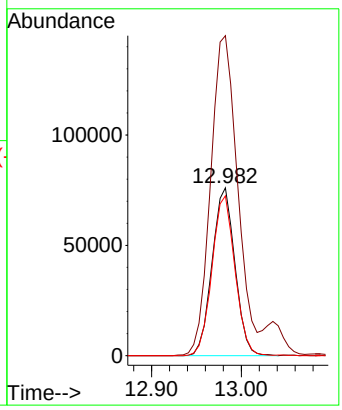


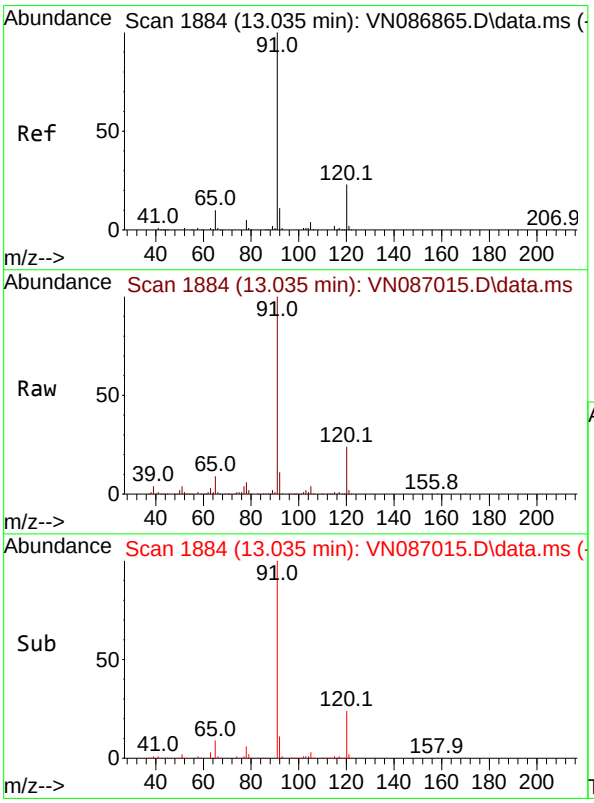
#77
Bromobenzene
Concen: 56.217 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 134351

Ion	Ratio	Lower	Upper
156	100		
77	224.3	117.7	353.1
158	95.8	48.1	144.4

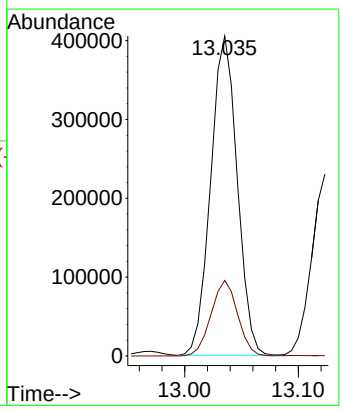


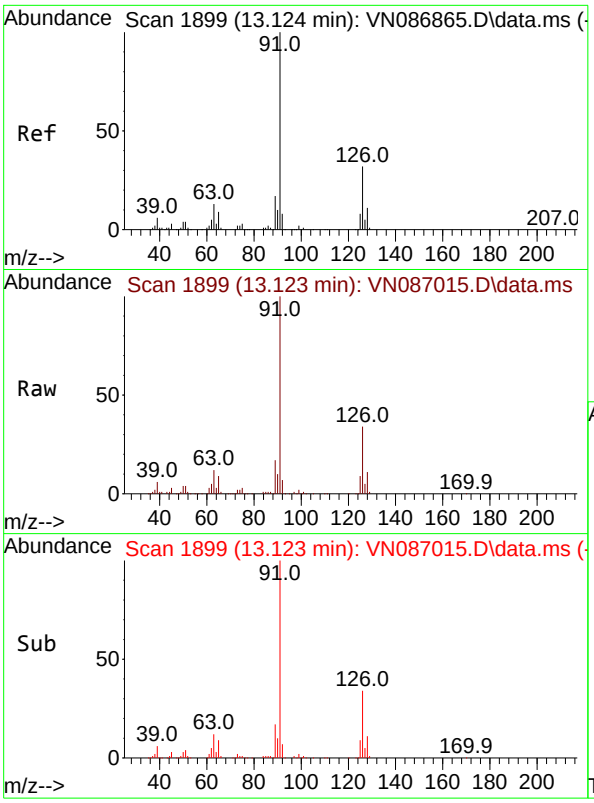


#78
n-propylbenzene
Concen: 51.930 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 91 Resp: 657646

Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.4	34.2



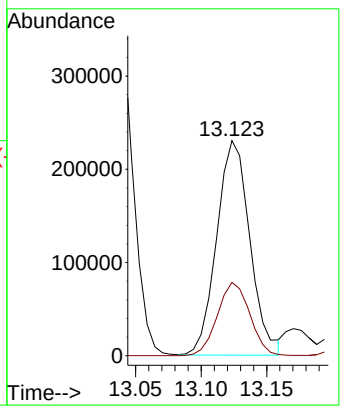


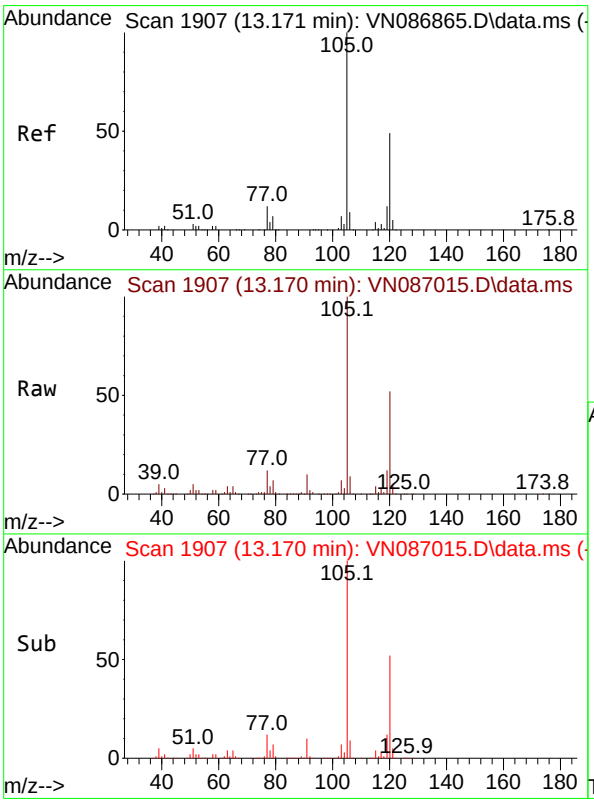
#79
2-Chlorotoluene
Concen: 53.388 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 405474

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.2	48.5

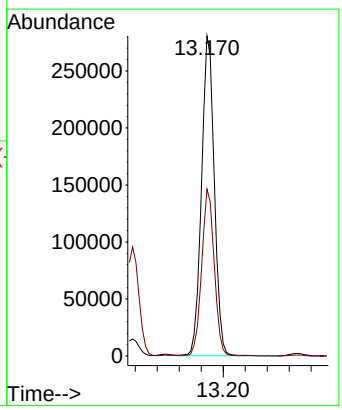


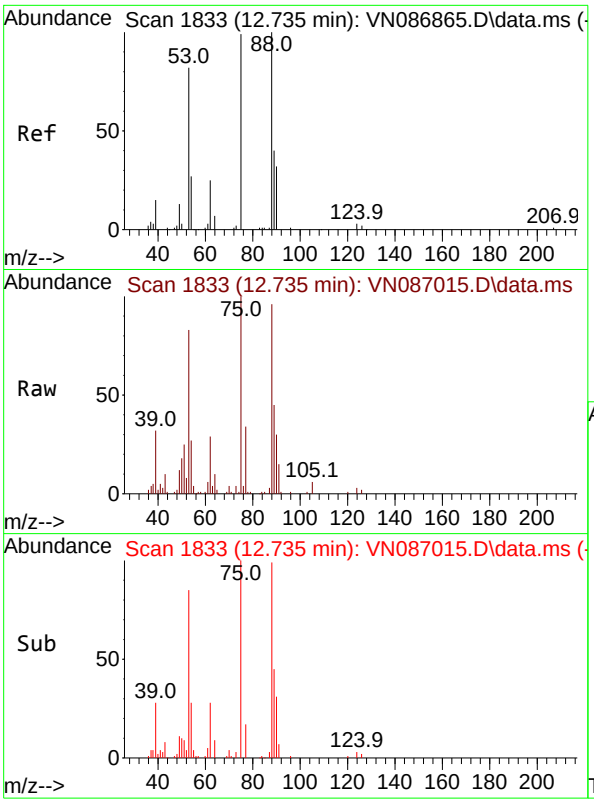


#80
1,3,5-Trimethylbenzene
Concen: 52.608 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:105 Resp: 452624

Ion	Ratio	Lower	Upper
105	100		
120	51.0	24.9	74.6



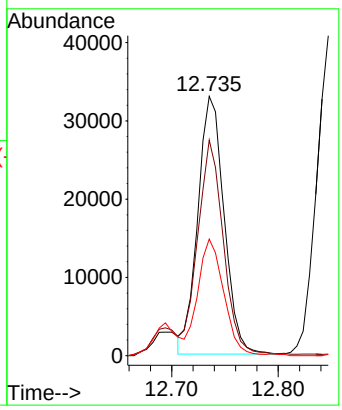


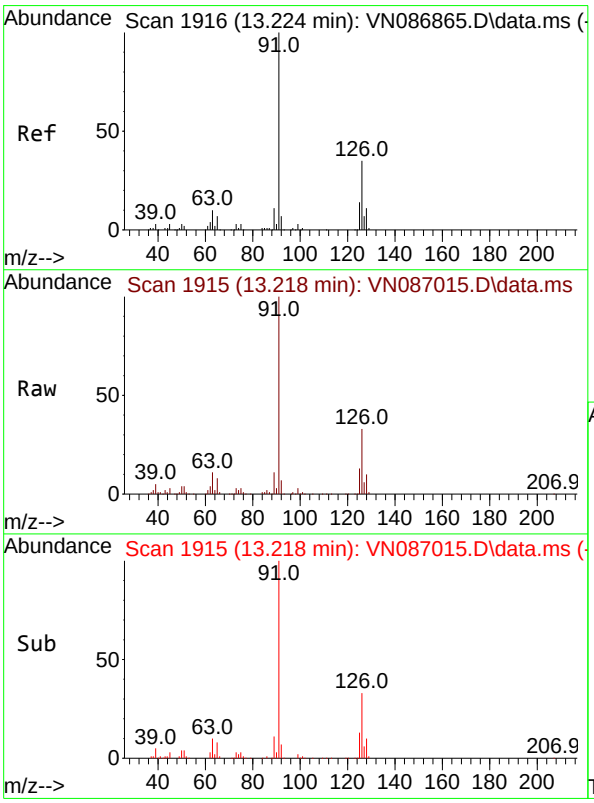
#81
trans-1,4-Dichloro-2-butene
Concen: 38.297 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 56569

Ion	Ratio	Lower	Upper
75	100		
53	81.5	66.6	99.8
89	43.4	36.7	55.1

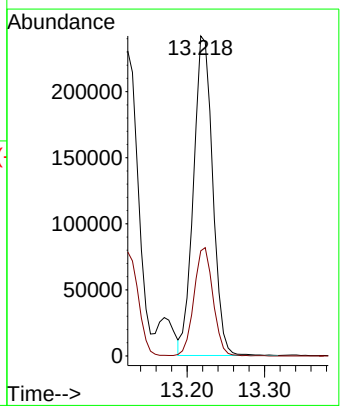


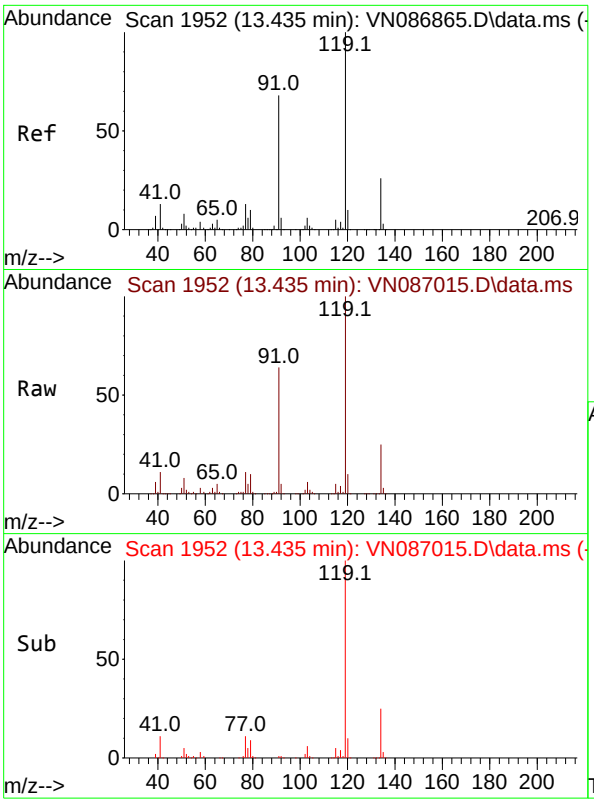


#82
4-Chlorotoluene
Concen: 54.095 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 91 Resp: 415698

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.7	50.1



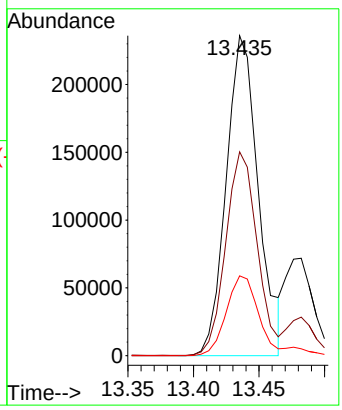


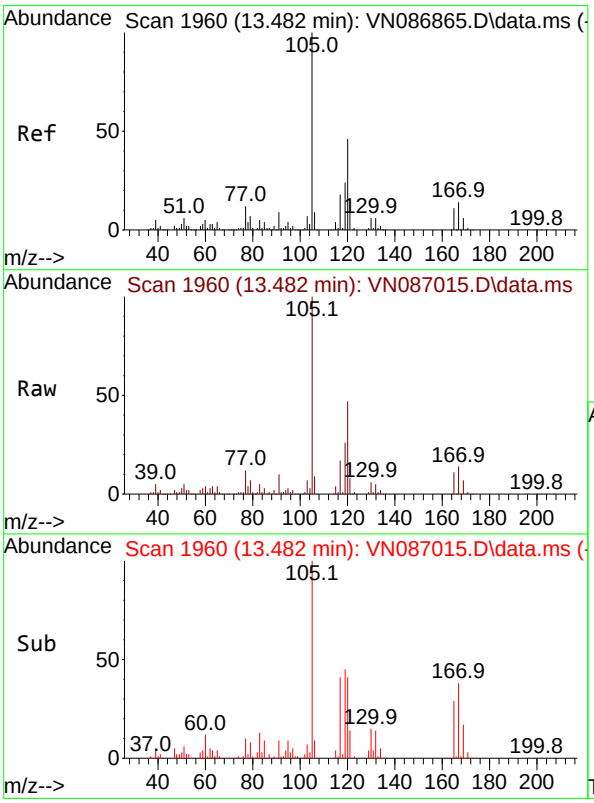
#83
tert-Butylbenzene
Concen: 51.101 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 402449

Ion	Ratio	Lower	Upper
119	100		
91	62.3	32.1	96.5
134	26.6	13.4	40.1

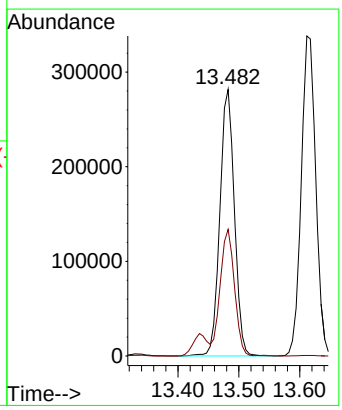


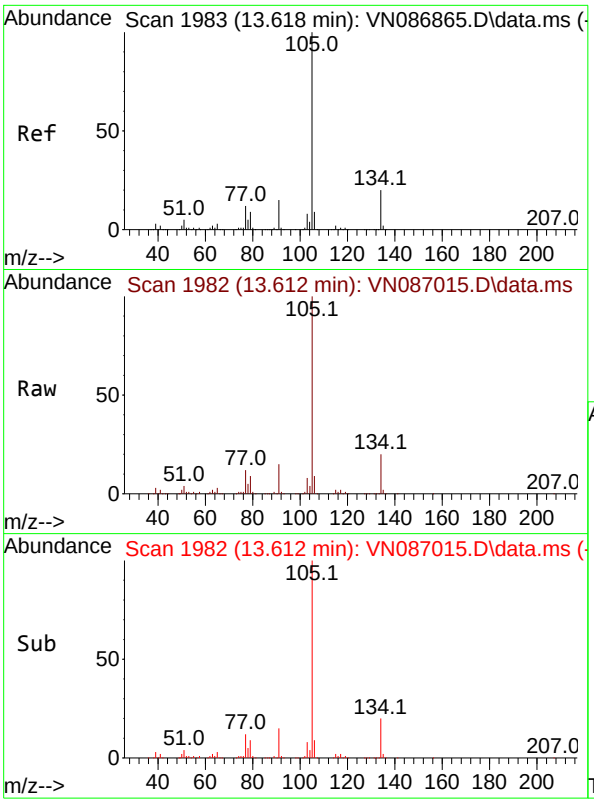


#84
1,2,4-Trimethylbenzene
Concen: 54.055 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:105 Resp: 466357

Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.2	69.6



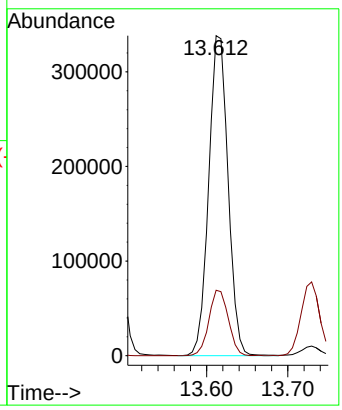


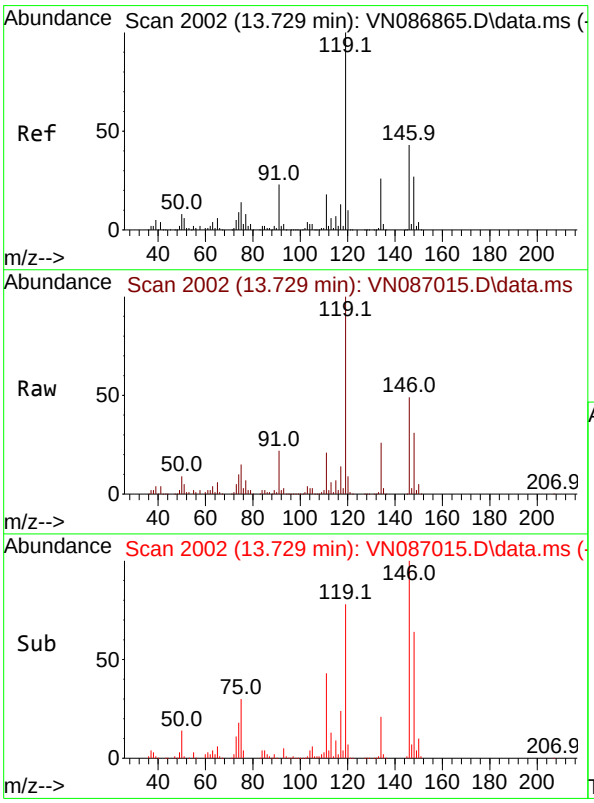
#85
sec-Butylbenzene
Concen: 48.896 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 559228

Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.0	30.0

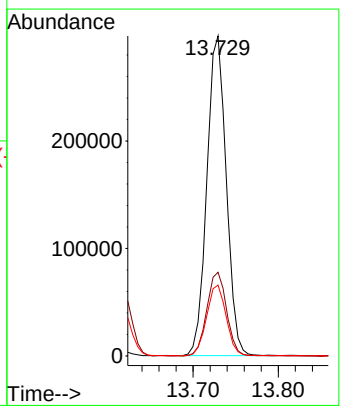


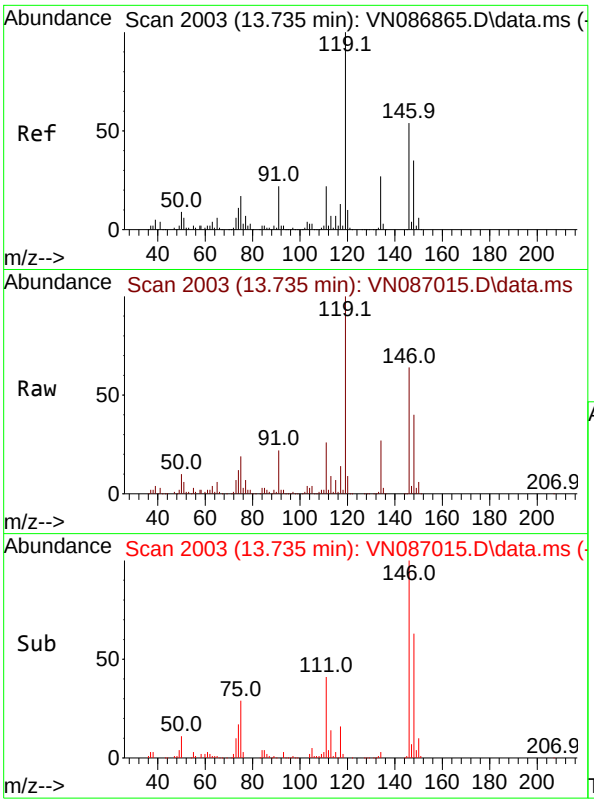


#86
p-Isopropyltoluene
Concen: 49.723 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:119 Resp: 470095

Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.5	40.4
91	22.3	11.5	34.4



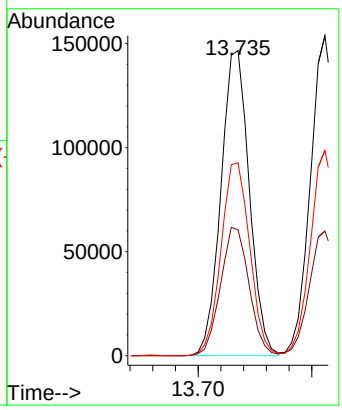


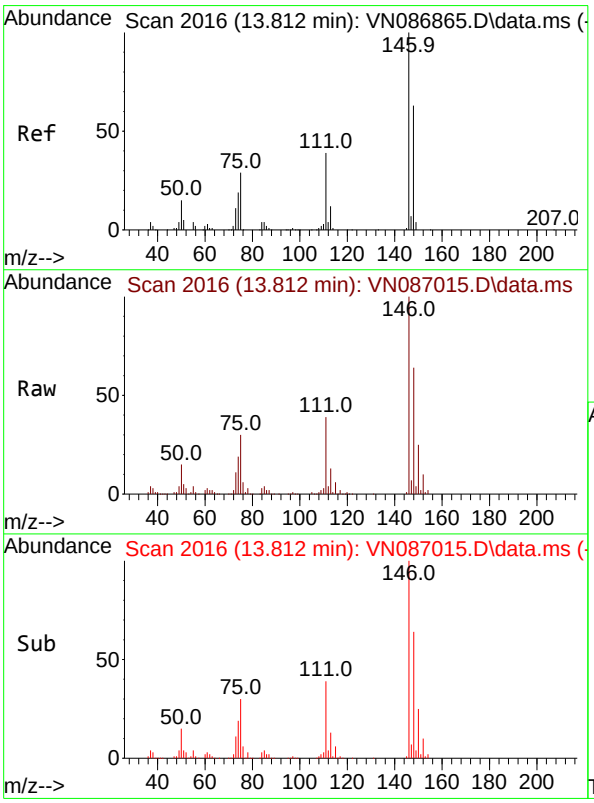
#87
1,3-Dichlorobenzene
Concen: 54.127 ug/l
RT: 13.735 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 254506

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.9	62.8
148	64.1	32.0	96.2

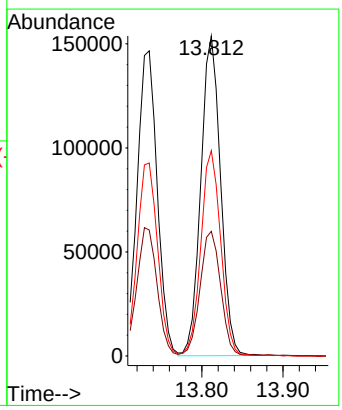


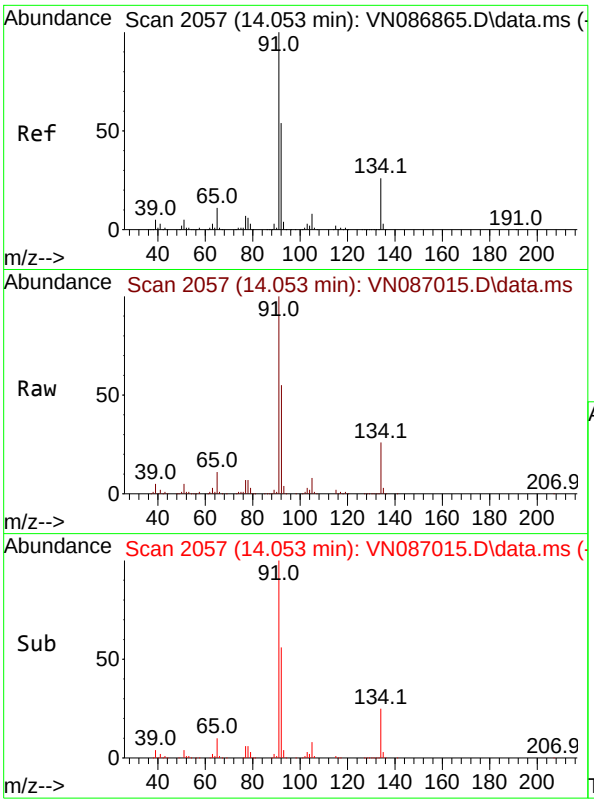


#88
1,4-Dichlorobenzene
Concen: 54.093 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:146 Resp: 259312

Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.9	59.7
148	64.2	31.8	95.4



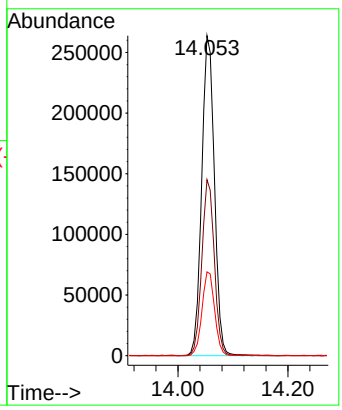


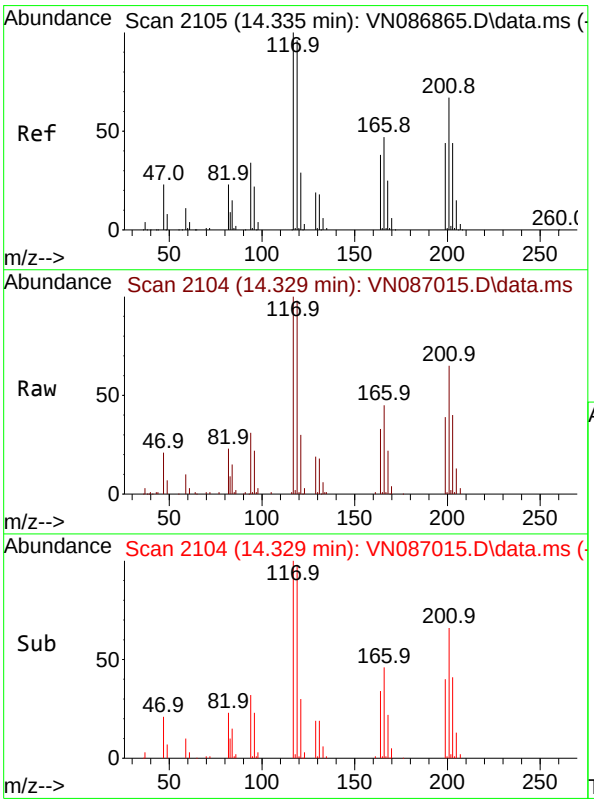
#89
n-Butylbenzene
Concen: 46.215 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 423209

Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.5	82.4
134	26.0	13.0	39.0

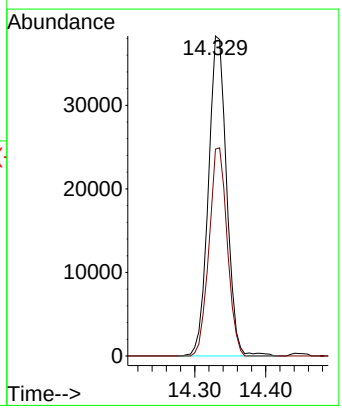


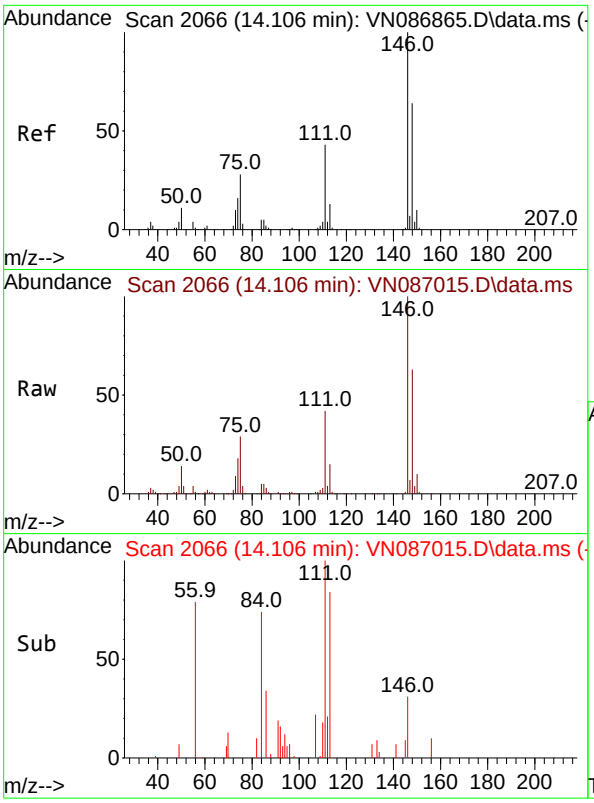


#90
Hexachloroethane
Concen: 42.577 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:117 Resp: 68232

Ion	Ratio	Lower	Upper
117	100		
201	64.7	33.2	99.6



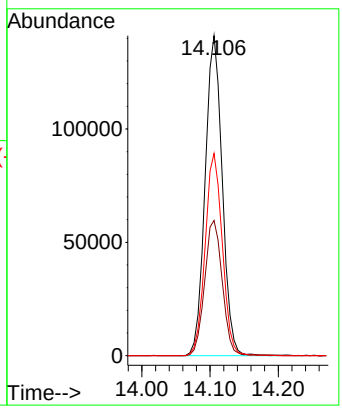


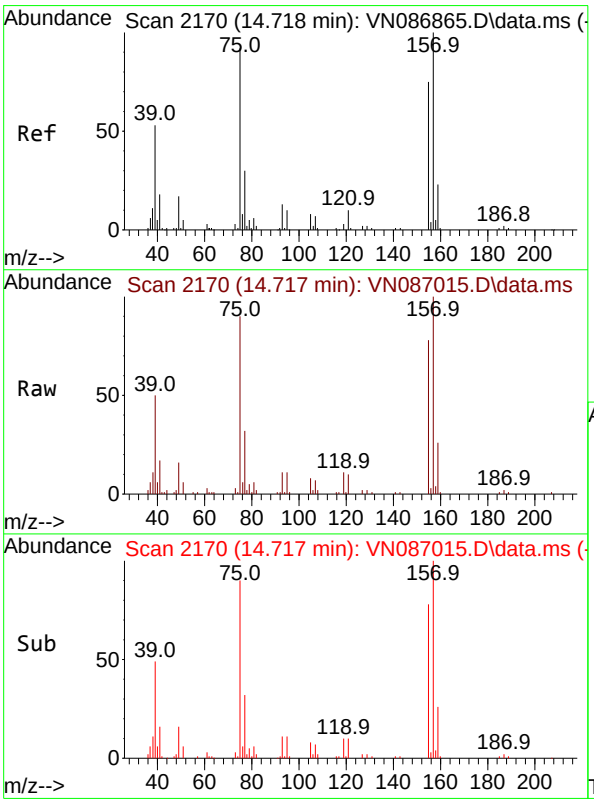
#91
1,2-Dichlorobenzene
Concen: 54.592 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 246617

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.6	64.6
148	63.5	31.7	95.1

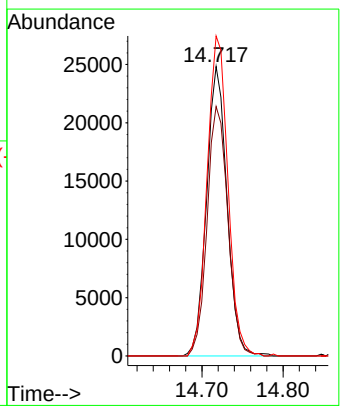


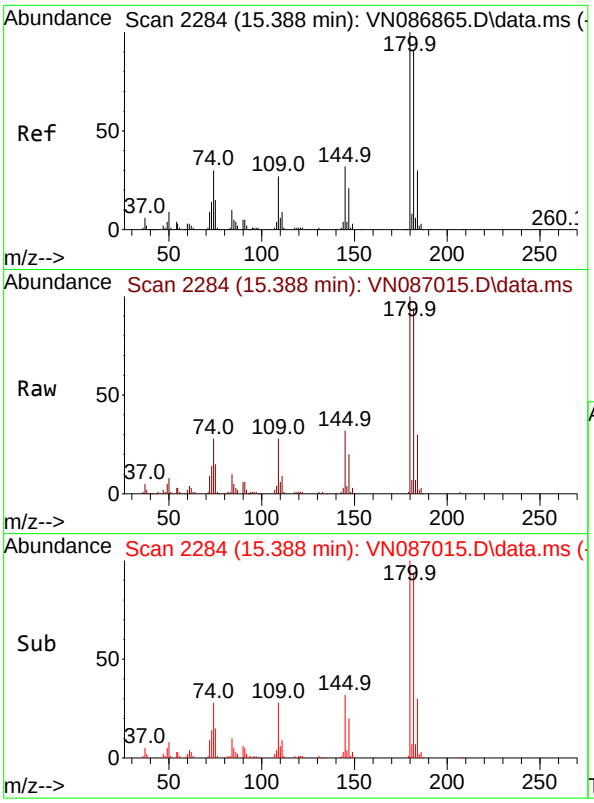


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.477 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion: 75 Resp: 43462

Ion	Ratio	Lower	Upper
75	100		
155	87.3	41.1	123.4
157	112.4	52.7	158.1



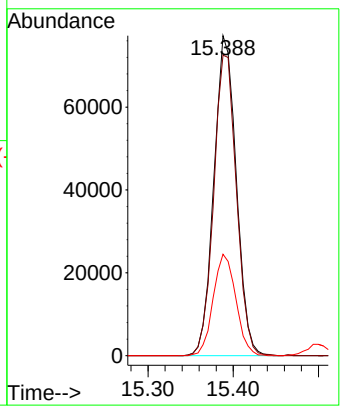


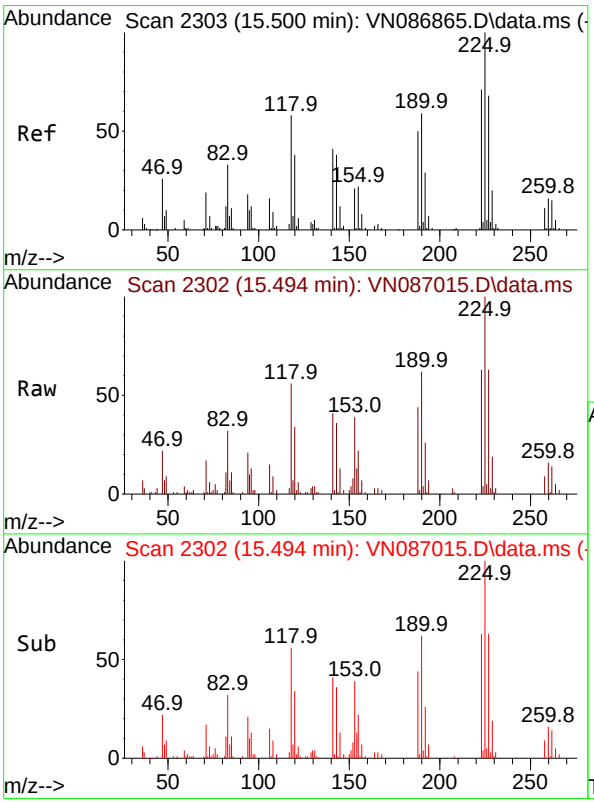
#93
1,2,4-Trichlorobenzene
Concen: 48.896 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 141048

Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.9	140.7
145	32.1	16.0	47.9

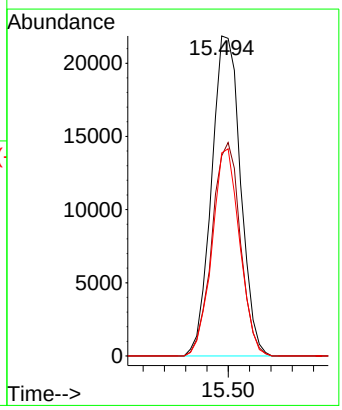


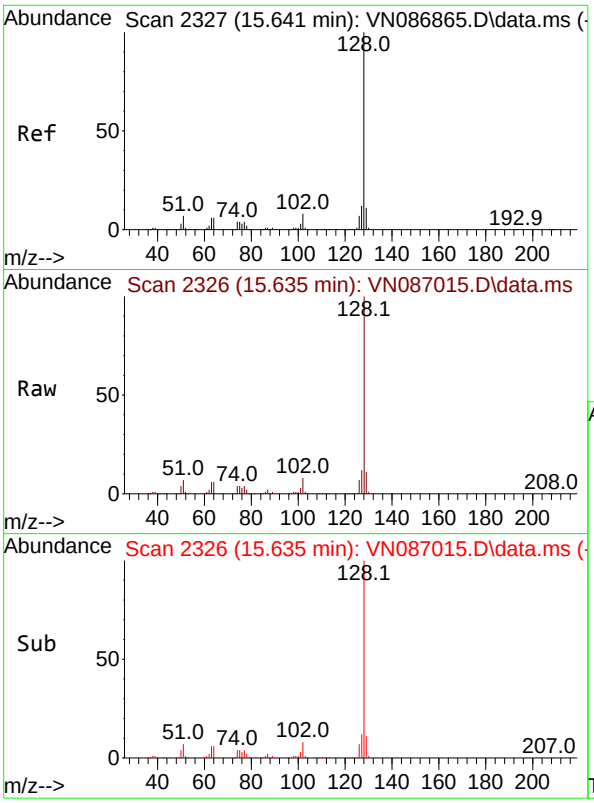


#94
Hexachlorobutadiene
Concen: 38.372 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:225 Resp: 41240

Ion	Ratio	Lower	Upper
225	100		
223	65.4	33.5	100.4
227	62.0	31.1	93.5



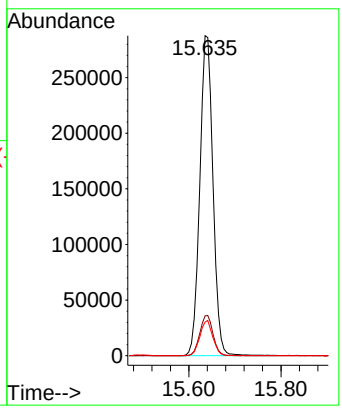


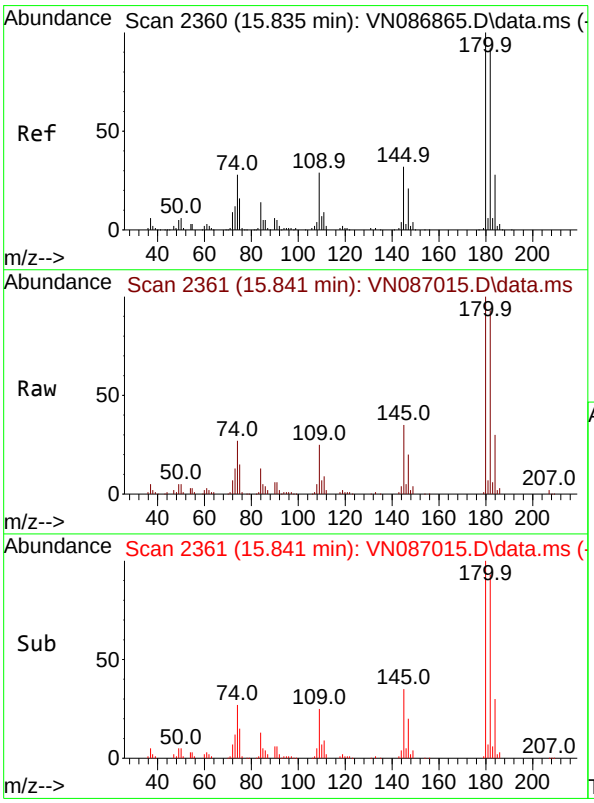
#95
Naphthalene
Concen: 53.465 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 574068

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.7	8.8	13.2

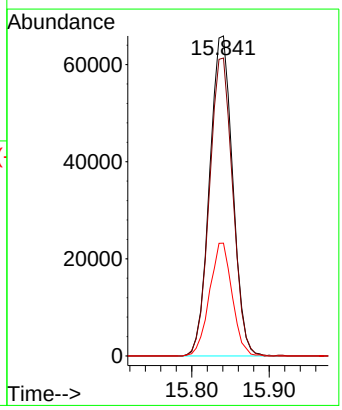




#96
1,2,3-Trichlorobenzene
Concen: 47.556 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN087015.D
Acq: 13 Jun 2025 20:13

Tgt Ion:180 Resp: 136299

Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.0	141.0
145	34.6	16.6	49.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	201089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	353755	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	289394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	127807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	10508	4.802	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.600%#		
35) Dibromofluoromethane	7.646	113	9323	4.477	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	8.960%#		
50) Toluene-d8	10.109	98	37729	4.482	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	8.960%#		
62) 4-Bromofluorobenzene	12.408	95	11988	4.697	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.400%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	8717	4.961	ug/l	99
3) Chloromethane	2.068	50	26535	5.119	ug/l	98
4) Vinyl Chloride	2.208	62	27572	4.544	ug/l	98
5) Bromomethane	2.598	94	27457	4.784	ug/l	98
6) Chloroethane	2.739	64	19566	4.710	ug/l	95
7) Trichlorofluoromethane	3.062	101	22825	4.428	ug/l	92
8) Diethyl Ether	3.464	74	5184	4.553	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.824	101	10259	4.744	ug/l	97
10) Methyl Iodide	4.007	142	9174	3.956	ug/l #	95
11) Tert butyl alcohol	4.891	59	3374	21.587	ug/l #	88
12) 1,1-Dichloroethene	3.799	96	9440	4.573	ug/l	97
13) Acrolein	3.671	56	5656	29.646	ug/l	95
14) Allyl chloride	4.391	41	15096	4.693	ug/l	98
15) Acrylonitrile	5.080	53	10667	22.026	ug/l	97
16) Acetone	3.885	43	13023	30.108	ug/l #	87
17) Carbon Disulfide	4.110	76	30222	4.586	ug/l	99
18) Methyl Acetate	4.397	43	5630	4.327	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	26276	4.562	ug/l	97
20) Methylene Chloride	4.622	84	17312	7.168	ug/l	89
21) trans-1,2-Dichloroethene	5.116	96	10489	4.549	ug/l	86
22) Diisopropyl ether	6.037	45	32497	4.544	ug/l	95
23) Vinyl Acetate	5.970	43	91478	21.559	ug/l	98
24) 1,1-Dichloroethane	5.921	63	19460	4.603	ug/l	97
25) 2-Butanone	6.909	43	14423	22.605	ug/l	95
26) 2,2-Dichloropropane	6.896	77	16805	4.471	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	11906	4.467	ug/l	98
28) Bromochloromethane	7.250	49	9453	5.175	ug/l	100
29) Tetrahydrofuran	7.274	42	9377	22.781	ug/l	95
30) Chloroform	7.427	83	19302	4.620	ug/l	87
31) Cyclohexane	7.707	56	23482	5.519	ug/l #	90
32) 1,1,1-Trichloroethane	7.628	97	16476	4.413	ug/l	98
36) 1,1-Dichloropropene	7.841	75	14700	4.367	ug/l	99
37) Ethyl Acetate	6.994	43	5662	3.822	ug/l #	86
38) Carbon Tetrachloride	7.823	117	14691	4.233	ug/l	95
39) Methylcyclohexane	9.109	83	20076	4.415	ug/l	95
40) Benzene	8.085	78	42926	4.326	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	4192	4.394	ug/l	#	89
42) 1,2-Dichloroethane	8.164	62	11332	4.198	ug/l		99
43) Isopropyl Acetate	8.207	43	13330	4.117	ug/l		95
44) Trichloroethene	8.872	130	10404	4.292	ug/l		79
45) 1,2-Dichloropropane	9.146	63	9678	4.091	ug/l		100
46) Dibromomethane	9.244	93	5596	4.223	ug/l		95
47) Bromodichloromethane	9.433	83	13448	3.999	ug/l		96
48) Methyl methacrylate	9.225	41	6483	4.374	ug/l		91
49) 1,4-Dioxane	9.231	88	574	36.306	ug/l	#	1
51) 4-Methyl-2-Pentanone	10.000	43	30969	19.273	ug/l		98
52) Toluene	10.170	92	25893	4.150	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	12388	3.982	ug/l		91
54) cis-1,3-Dichloropropene	9.859	75	14966	4.103	ug/l		100
55) 1,1,2-Trichloroethane	10.579	97	7318	4.385	ug/l		98
56) Ethyl methacrylate	10.445	69	9092	3.751	ug/l		94
57) 1,3-Dichloropropane	10.719	76	12648	4.255	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.719	63	24214	22.409	ug/l		97
59) 2-Hexanone	10.768	43	21243	19.832	ug/l		94
60) Dibromochloromethane	10.914	129	8781	4.152	ug/l		94
61) 1,2-Dibromoethane	11.018	107	6146	3.991	ug/l		100
64) Tetrachloroethene	10.652	164	10863	4.417	ug/l		95
65) Chlorobenzene	11.444	112	27467	4.377	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	8422	3.959	ug/l		94
67) Ethyl Benzene	11.524	91	47883	4.098	ug/l		96
68) m/p-Xylenes	11.627	106	35645	8.060	ug/l		99
69) o-Xylene	11.956	106	16866	4.075	ug/l		95
70) Styrene	11.975	104	26313	3.840	ug/l		99
71) Bromoform	12.133	173	4649	4.159	ug/l	#	97
73) Isopropylbenzene	12.255	105	44350	4.307	ug/l		100
74) N-amyl acetate	12.072	43	9632	3.699	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.505	83	7289	4.359	ug/l		96
76) 1,2,3-Trichloropropane	12.560	75	9988	5.920	ug/l	#	100
77) Bromobenzene	12.536	156	9241	4.234	ug/l		95
78) n-propylbenzene	12.597	91	56543	4.511	ug/l		98
79) 2-Chlorotoluene	12.682	91	30387	4.591	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	35122	4.362	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	2596	4.411	ug/l		96
82) 4-Chlorotoluene	12.780	91	30501	4.447	ug/l		99
83) tert-Butylbenzene	12.999	119	31232	4.252	ug/l		96
84) 1,2,4-Trimethylbenzene	13.042	105	34752	4.314	ug/l		100
85) sec-Butylbenzene	13.176	105	49546	4.449	ug/l		99
86) p-Isopropyltoluene	13.292	119	38822	4.240	ug/l		98
87) 1,3-Dichlorobenzene	13.292	146	19350	4.431	ug/l		97
88) 1,4-Dichlorobenzene	13.371	146	19268	4.529	ug/l		91
89) n-Butylbenzene	13.615	91	37774	4.333	ug/l		100
90) Hexachloroethane	13.883	117	8072	4.506	ug/l		98
91) 1,2-Dichlorobenzene	13.664	146	15922	4.244	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	949	3.754	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	8529	4.159	ug/l		95
94) Hexachlorobutadiene	15.023	225	5627	5.024	ug/l		98
95) Naphthalene	15.145	128	15167	3.859	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	7952	4.563	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

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

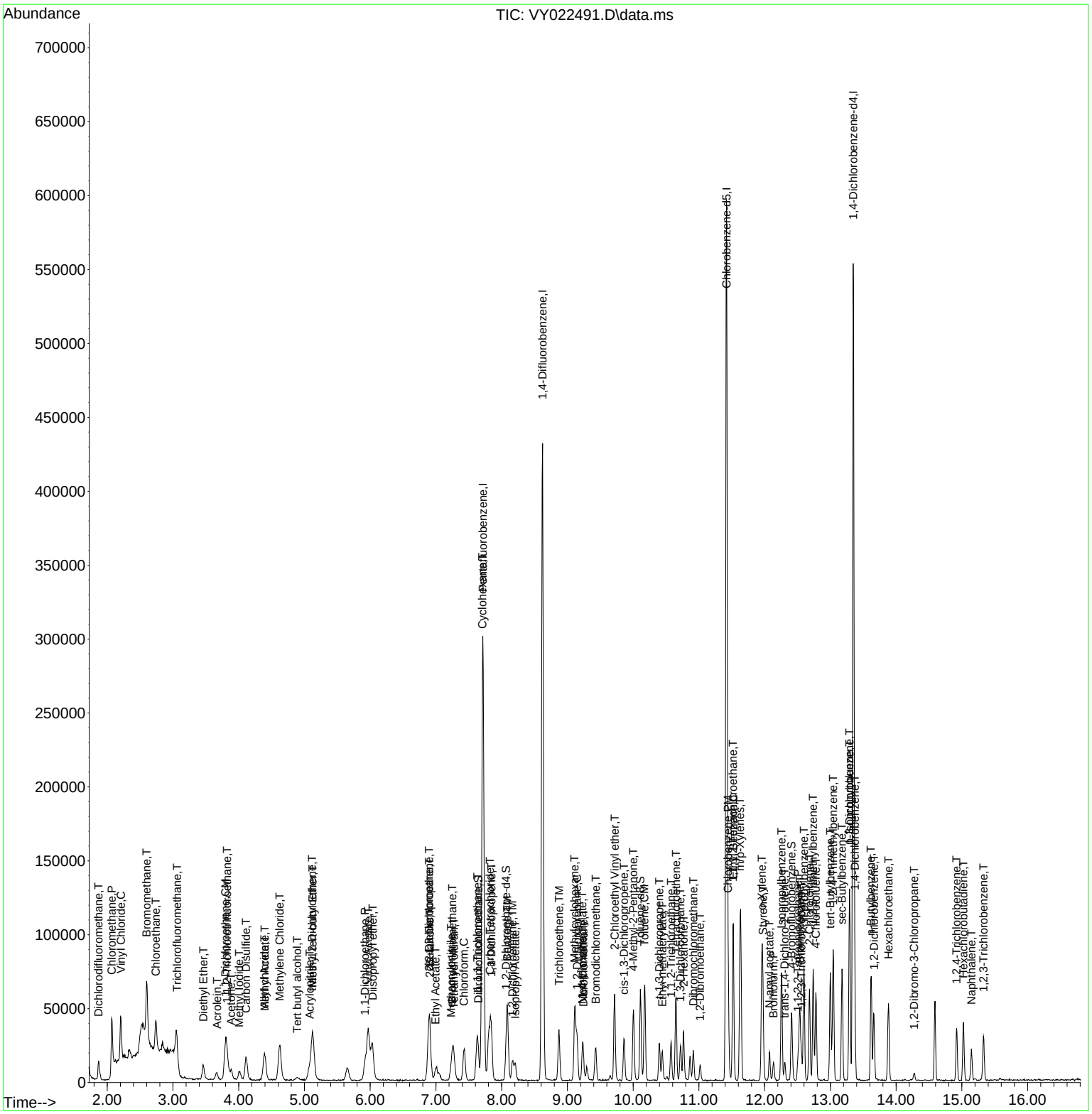
(#) = qualifier out of range (m) = manual integration (+) = signals summed

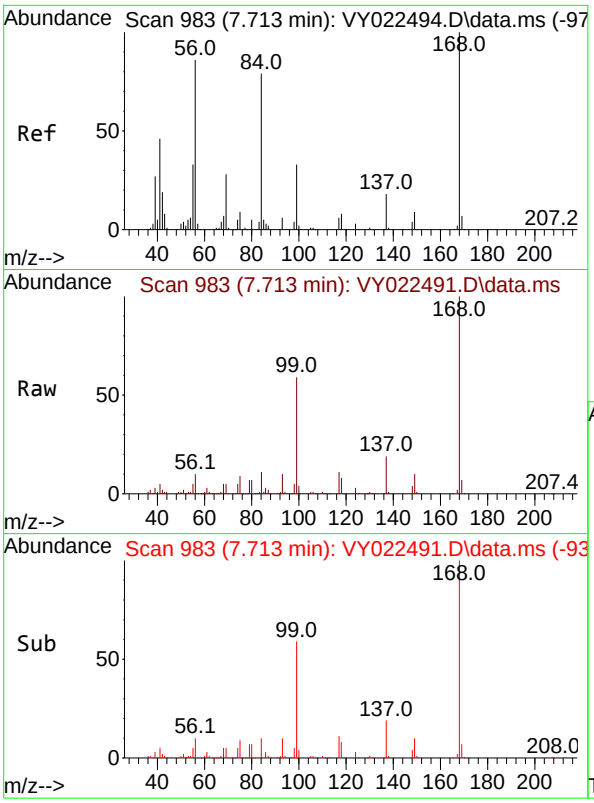
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022491.D
Acq On : 02 Jun 2025 11:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Jun 03 02:52:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration



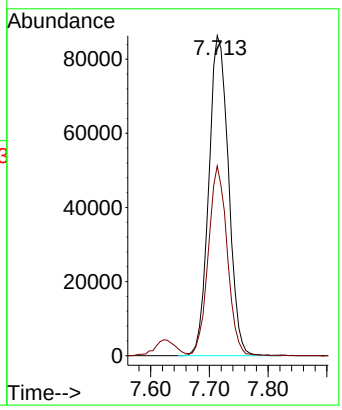


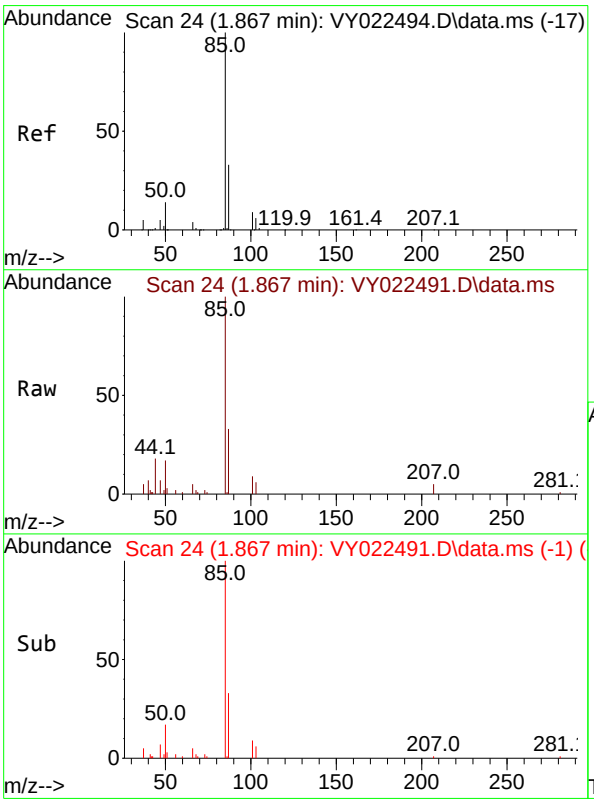
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 201089

Ion	Ratio	Lower	Upper
168	100		
99	59.3	44.3	66.5

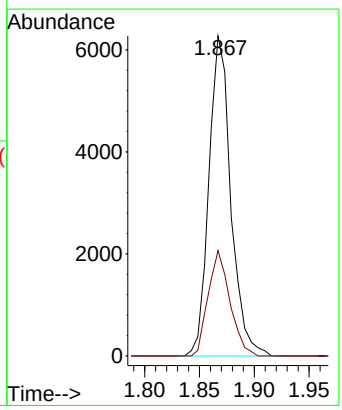


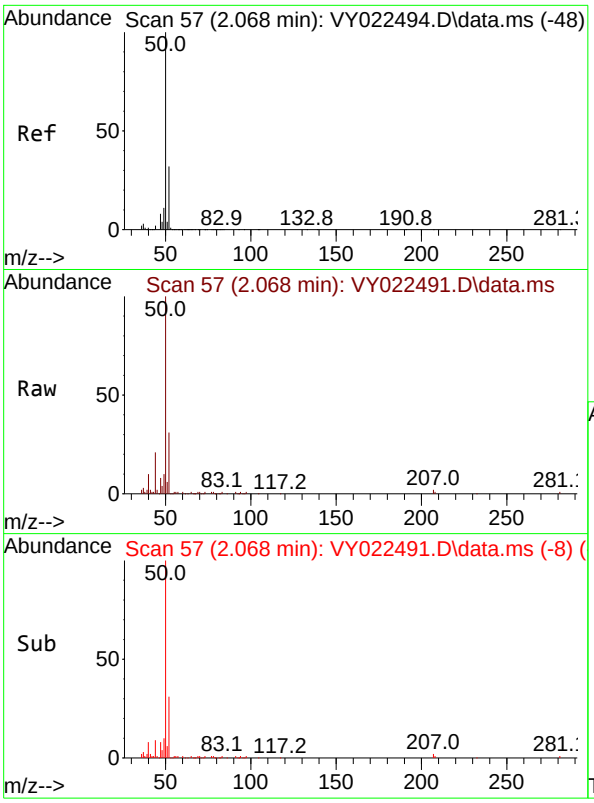


#2
Dichlorodifluoromethane
Concen: 4.961 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 85 Resp: 8717

Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.7	50.0



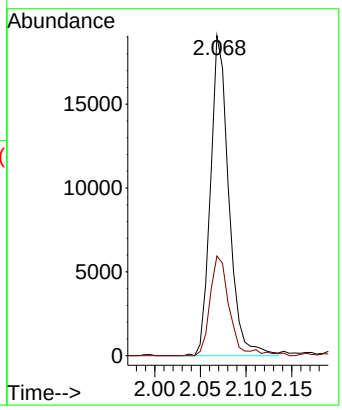


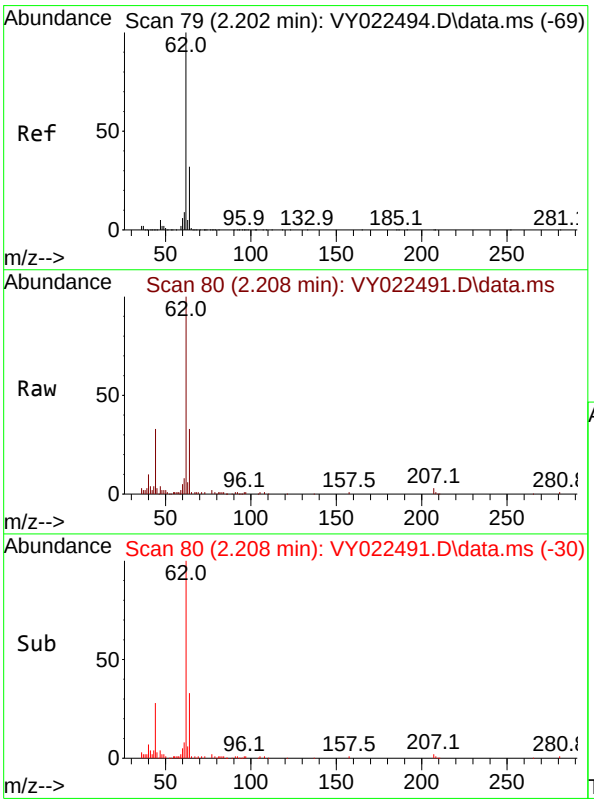
#3
Chloromethane
Concen: 5.119 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 26535

Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.0	39.0

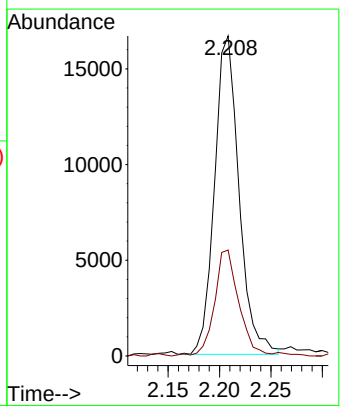


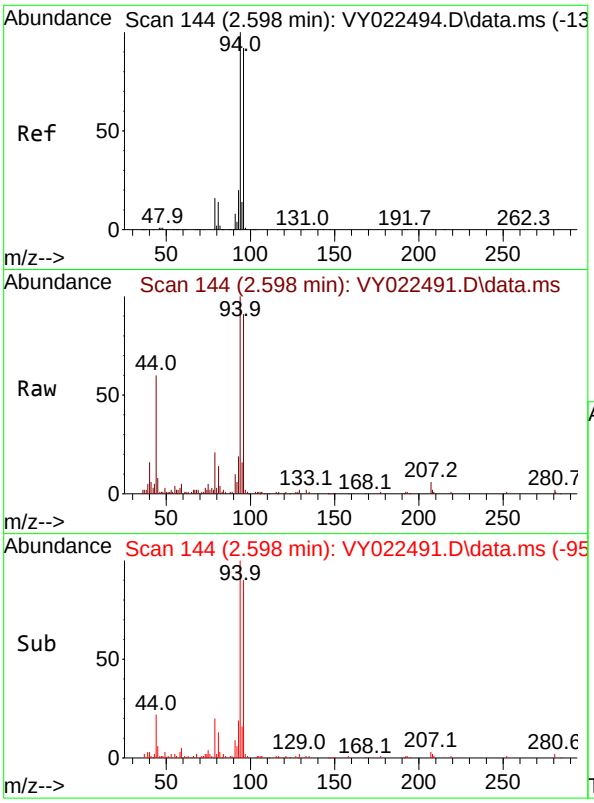


#4
Vinyl Chloride
Concen: 4.544 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 62 Resp: 27572

Ion	Ratio	Lower	Upper
62	100		
64	32.9	25.3	37.9



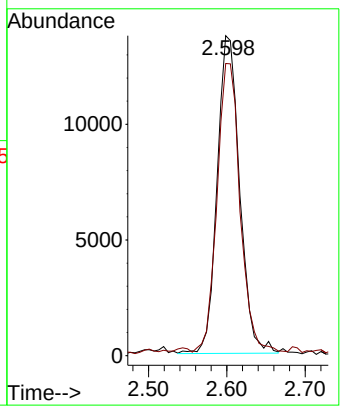


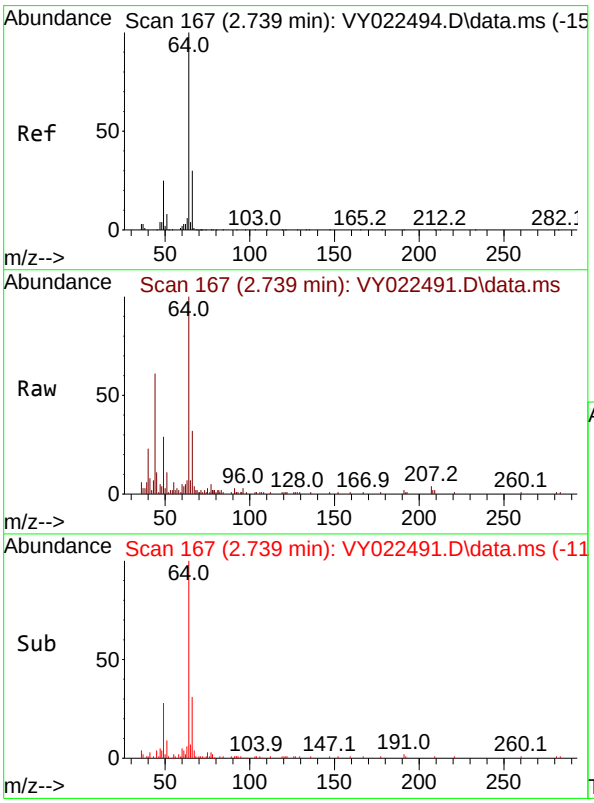
#5
Bromomethane
Concen: 4.784 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 27457

Ion	Ratio	Lower	Upper
94	100		
96	90.5	74.0	111.0

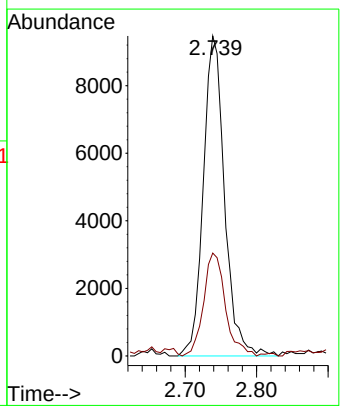


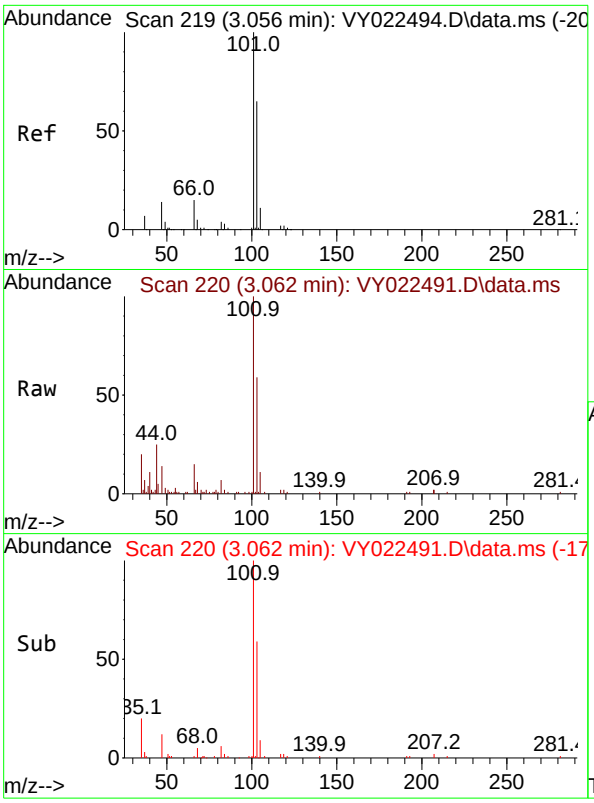


#6
Chloroethane
Concen: 4.710 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 64 Resp: 19566

Ion	Ratio	Lower	Upper
64	100		
66	32.1	23.8	35.6



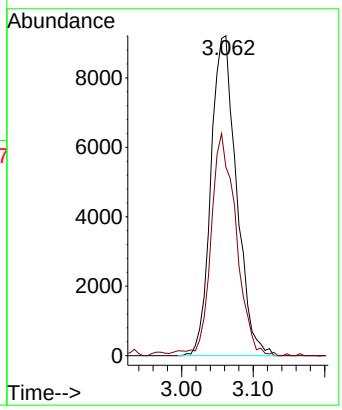


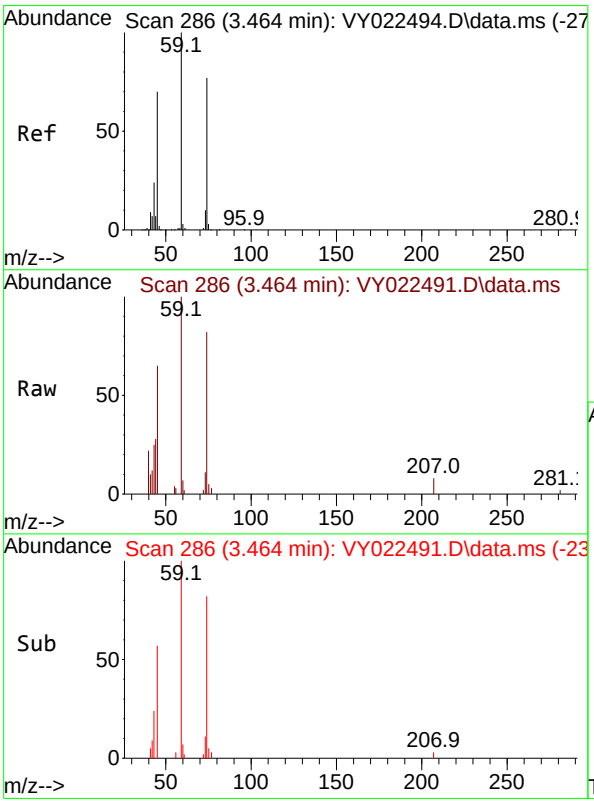
#7
Trichlorofluoromethane
Concen: 4.428 ug/l
RT: 3.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 22825

Ion	Ratio	Lower	Upper
101	100		
103	59.0	52.2	78.2

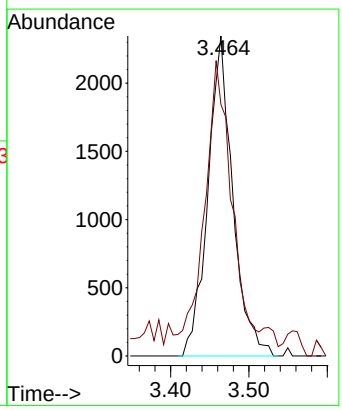


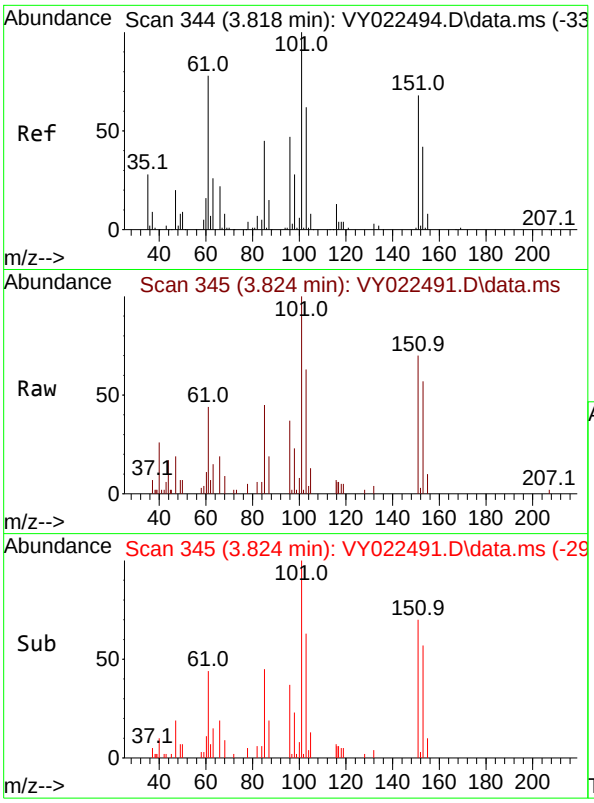


#8
Diethyl Ether
Concen: 4.553 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 74 Resp: 5184

Ion	Ratio	Lower	Upper
74	100		
45	98.9	45.9	137.6



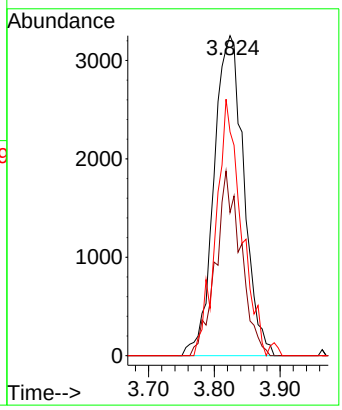


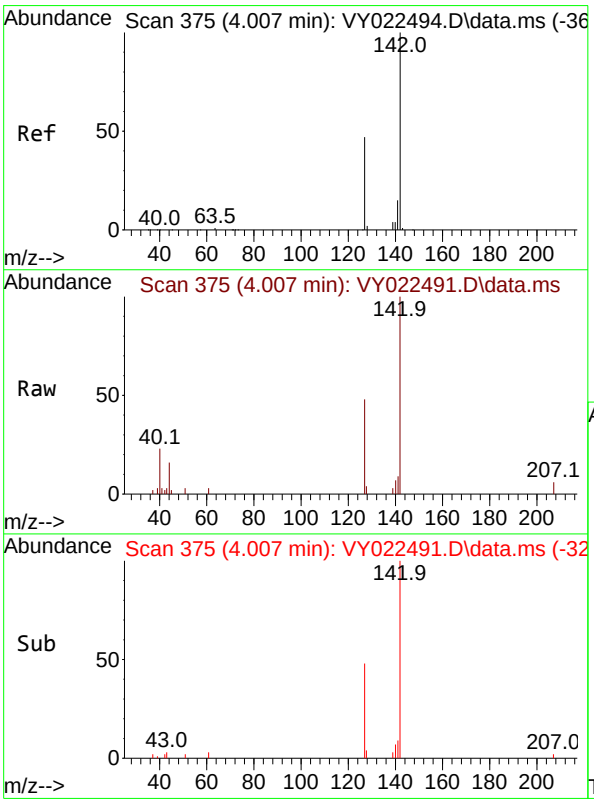
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.744 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 10259

Ion	Ratio	Lower	Upper
101	100		
85	48.8	39.3	58.9
151	67.9	57.8	86.8

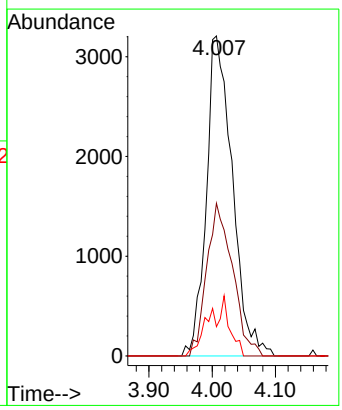


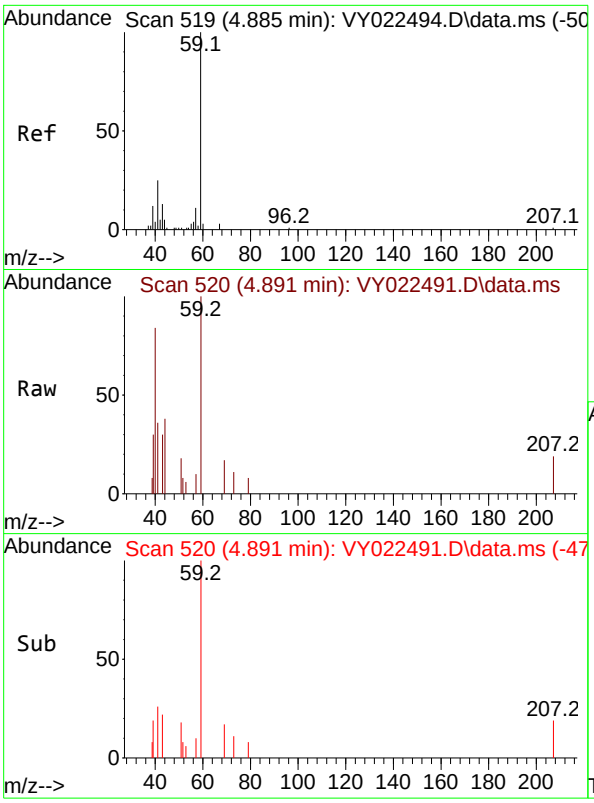


#10
Methyl Iodide
Concen: 3.956 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:142 Resp: 9174

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.1	55.7
141	7.8	11.4	17.2#



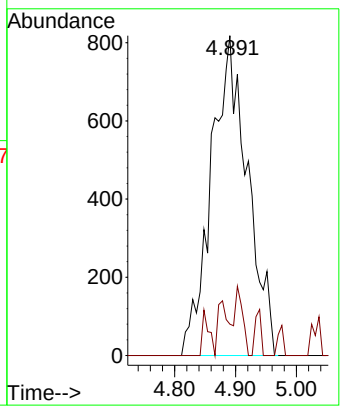


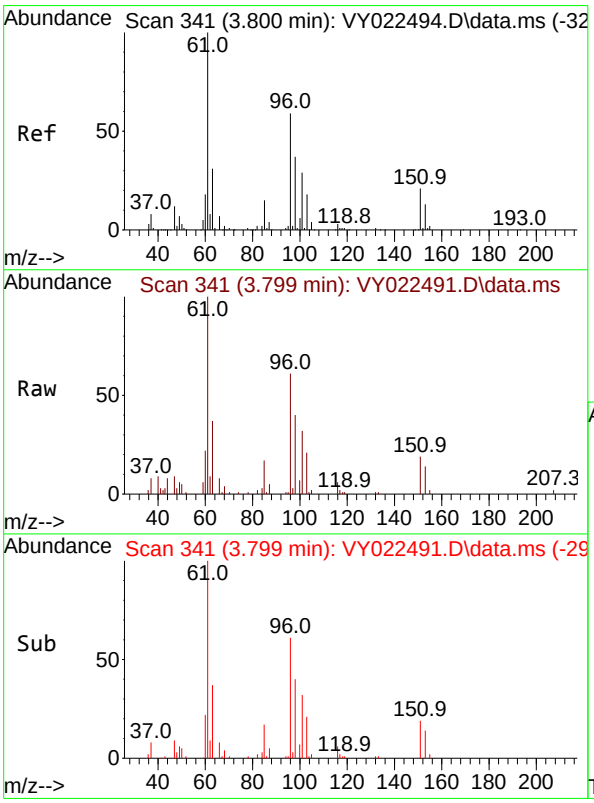
#11
Tert butyl alcohol
Concen: 21.587 ug/l
RT: 4.891 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 3374

Ion	Ratio	Lower	Upper
59	100		
57	5.6	8.0	12.0#

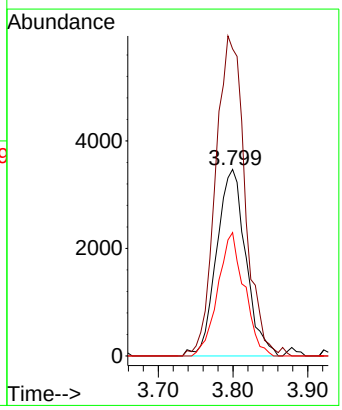


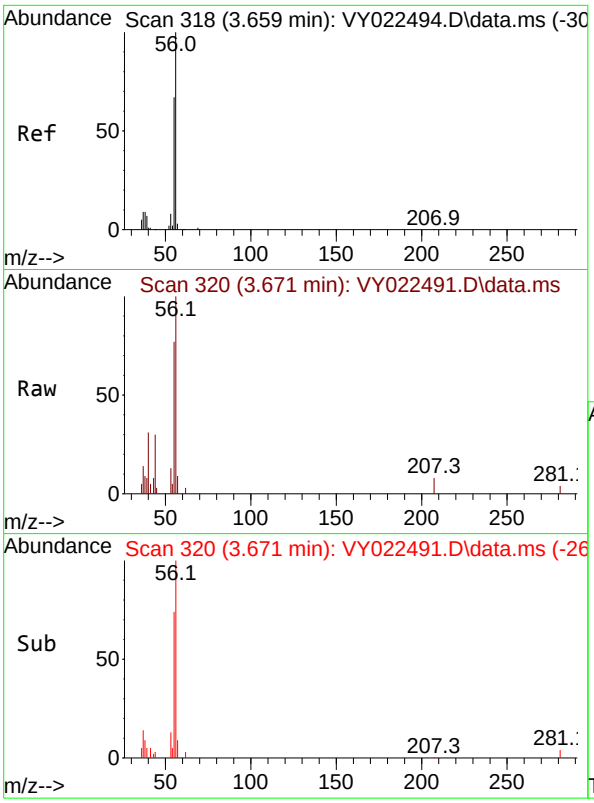


#12
1,1-Dichloroethene
Concen: 4.573 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 96 Resp: 9440

Ion	Ratio	Lower	Upper
96	100		
61	164.6	134.6	201.8
98	66.2	50.2	75.4



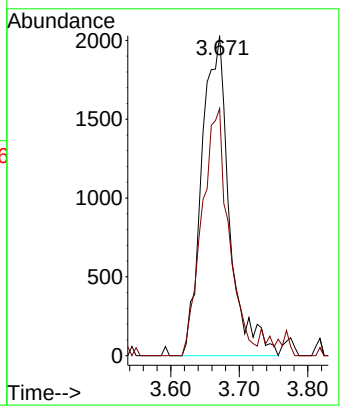


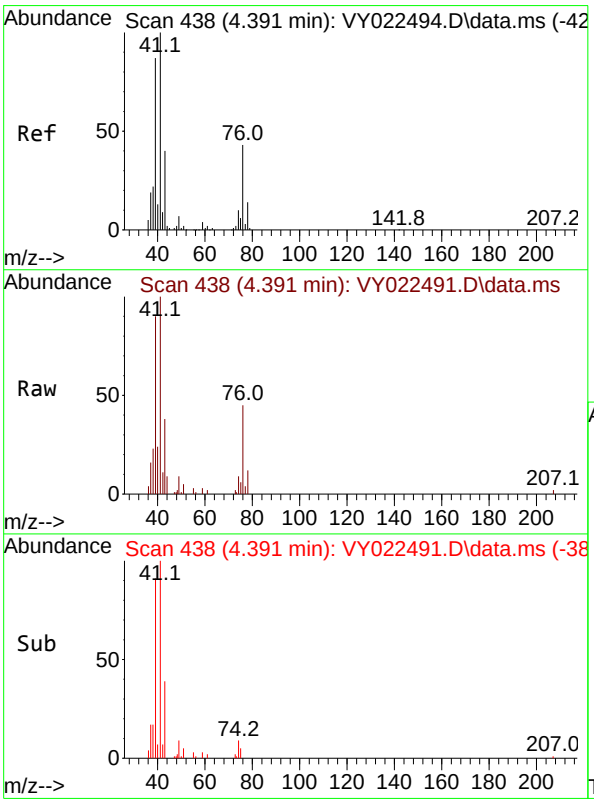
#13
Acrolein
Concen: 29.646 ug/l
RT: 3.671 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 5656

Ion	Ratio	Lower	Upper
56	100		
55	75.3	57.0	85.6

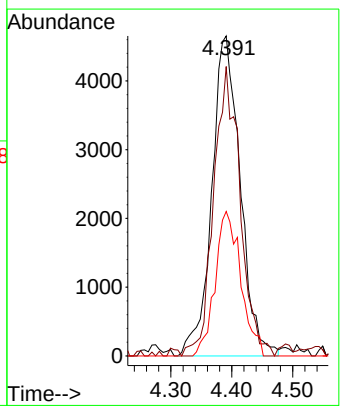


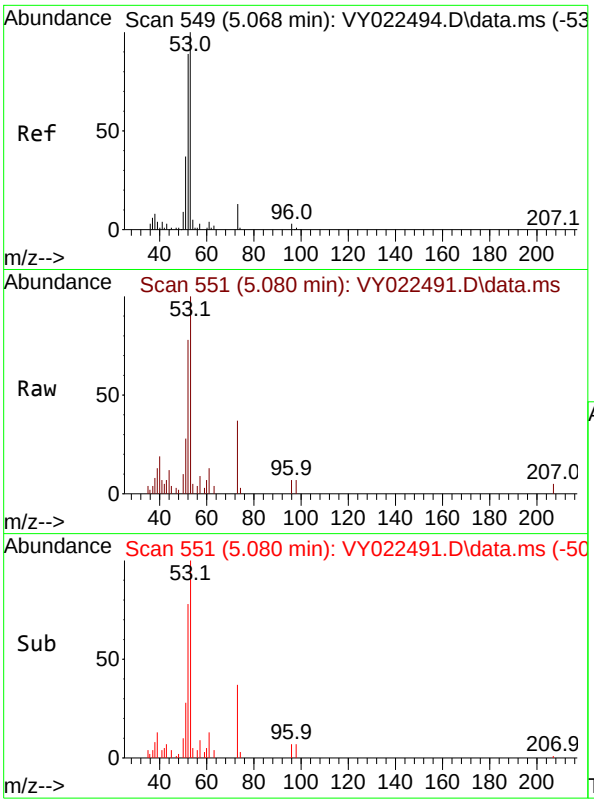


#14
Allyl chloride
Concen: 4.693 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 41 Resp: 15096

Ion	Ratio	Lower	Upper
41	100		
39	84.0	69.1	103.7
76	40.8	33.5	50.3



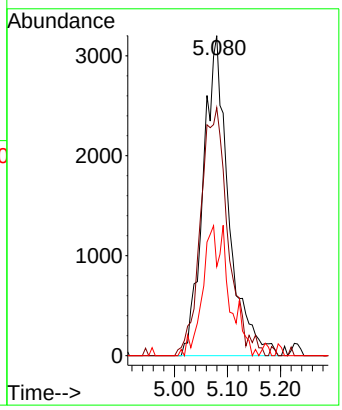


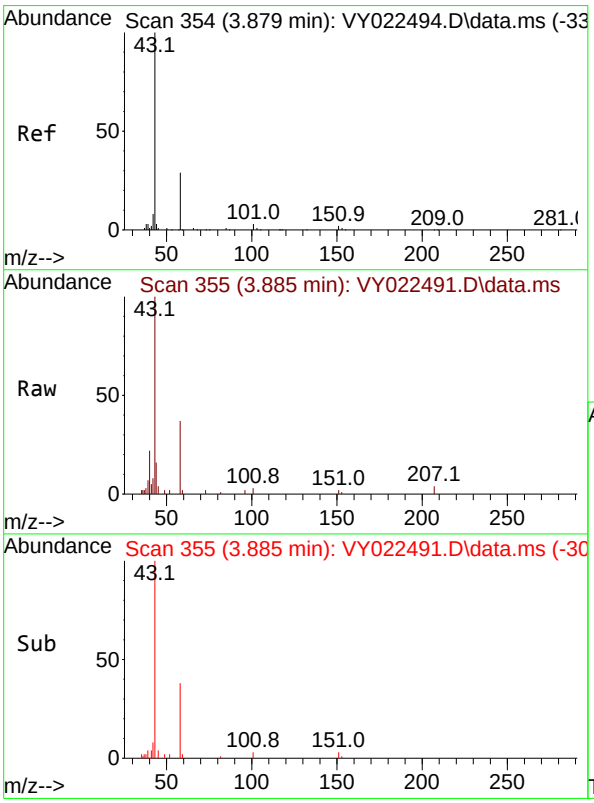
#15
Acrylonitrile
Concen: 22.026 ug/l
RT: 5.080 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 10667

Ion	Ratio	Lower	Upper
53	100		
52	83.8	65.7	98.5
51	41.4	30.1	45.1

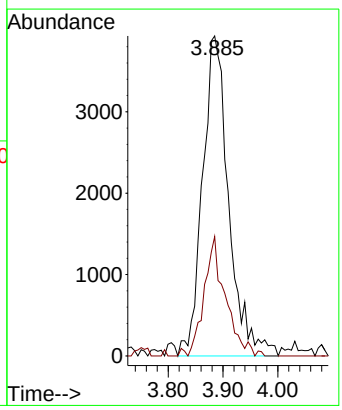


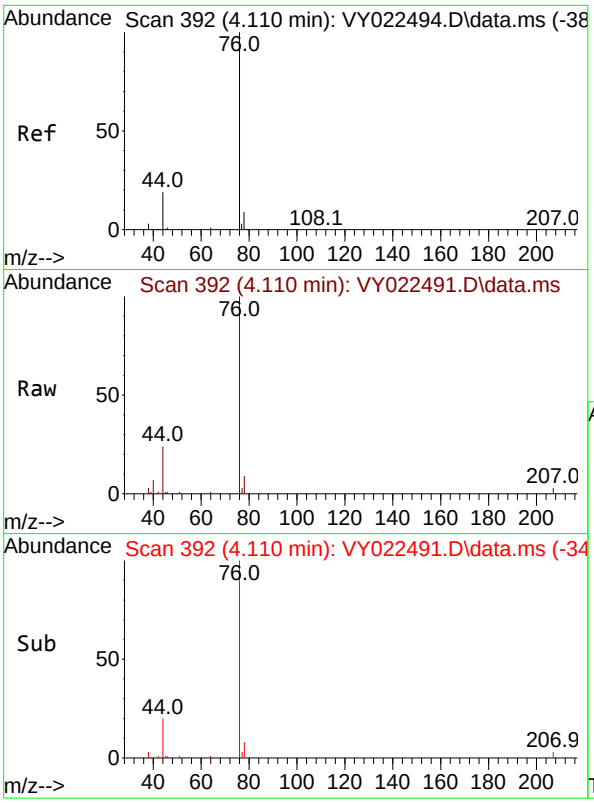


#16
Acetone
Concen: 30.108 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 43 Resp: 13023

Ion	Ratio	Lower	Upper
43	100		
58	37.3	24.0	36.0#



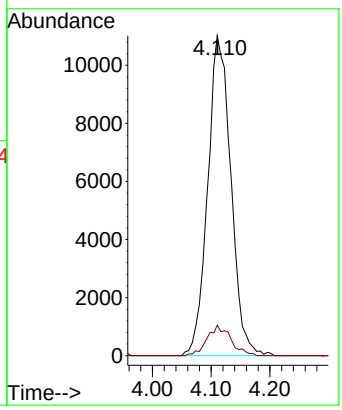


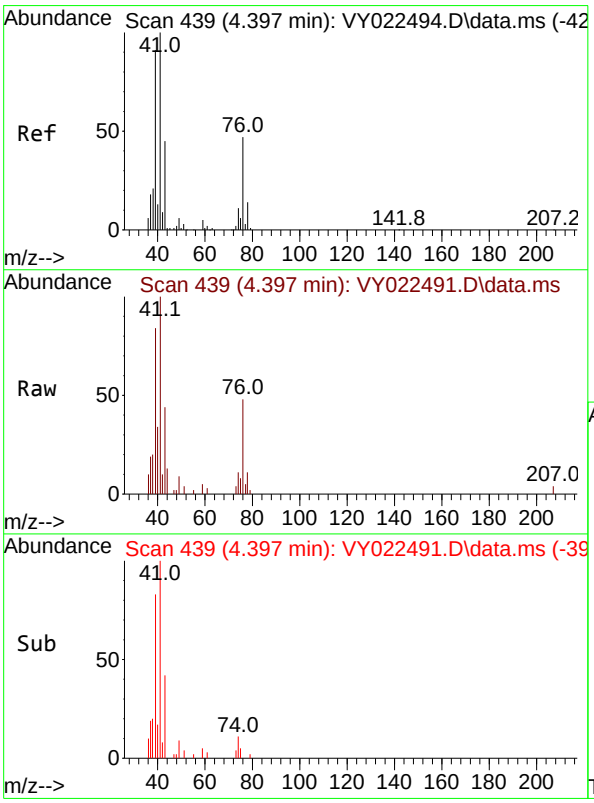
#17
Carbon Disulfide
Concen: 4.586 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 30222

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.2

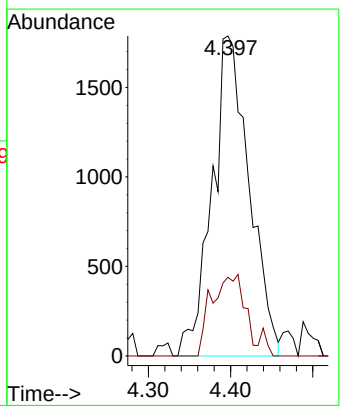


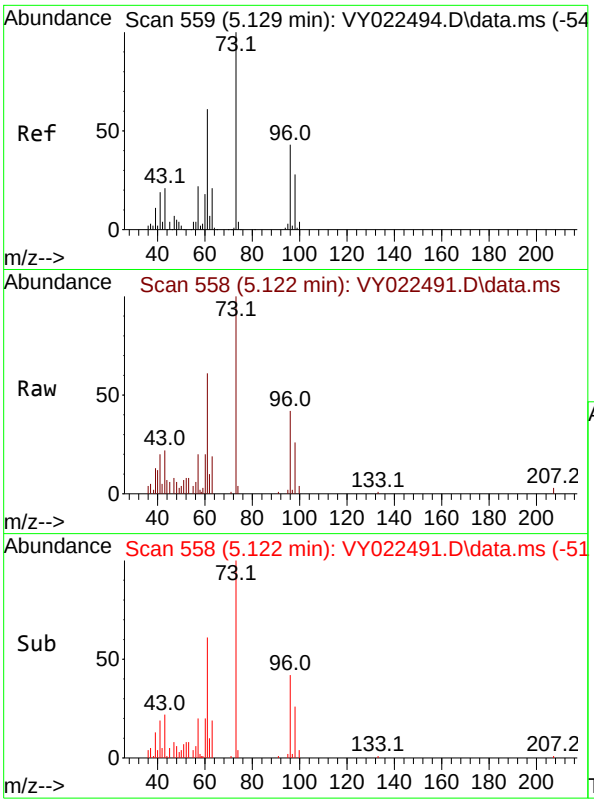


#18
Methyl Acetate
Concen: 4.327 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 43 Resp: 5630

Ion	Ratio	Lower	Upper
43	100		
74	22.8	19.8	29.6



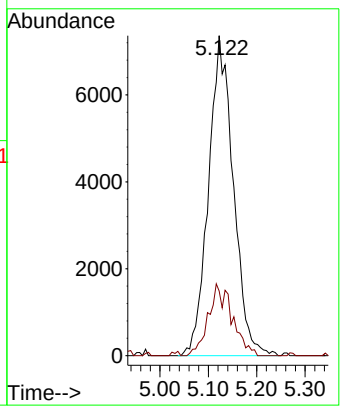


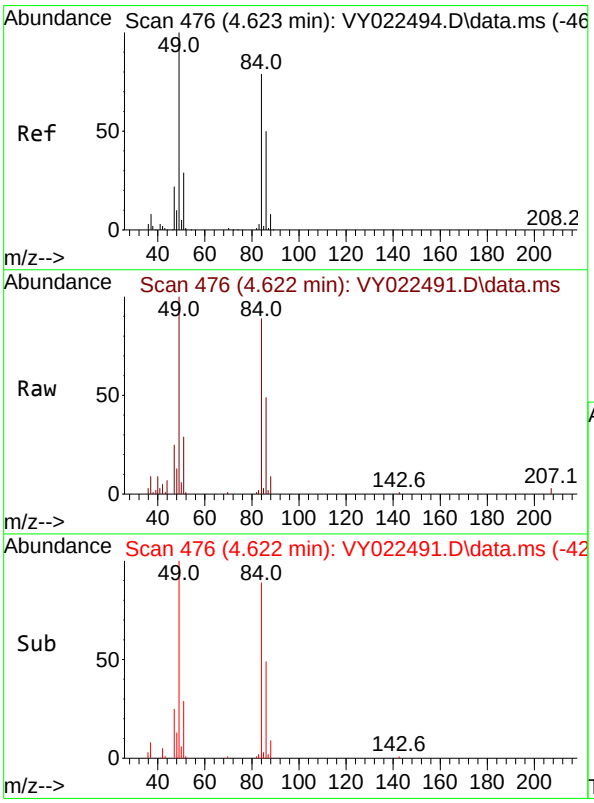
#19
Methyl tert-butyl Ether
Concen: 4.562 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 26276

Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.4	26.0

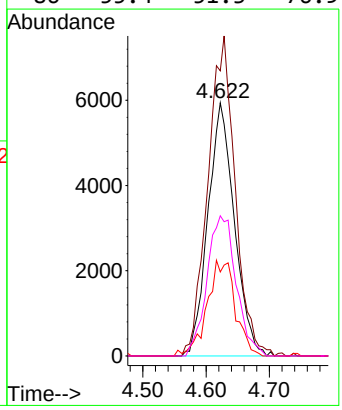


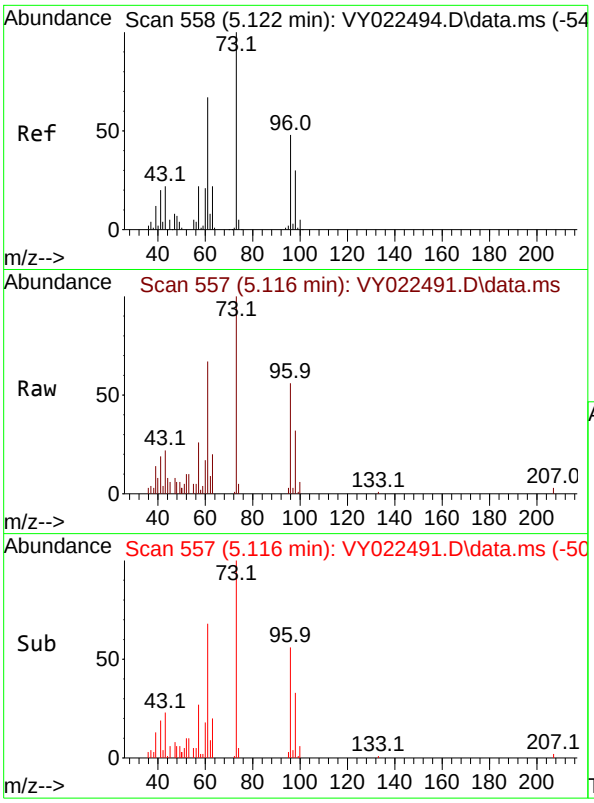


#20
Methylene Chloride
Concen: 7.168 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 84 Resp: 17312

Ion	Ratio	Lower	Upper
84	100		
49	112.6	101.9	152.9
51	33.2	29.8	44.8
86	55.4	51.3	76.9



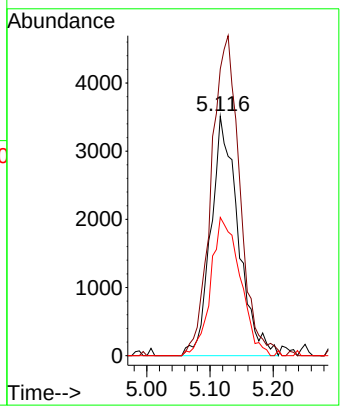


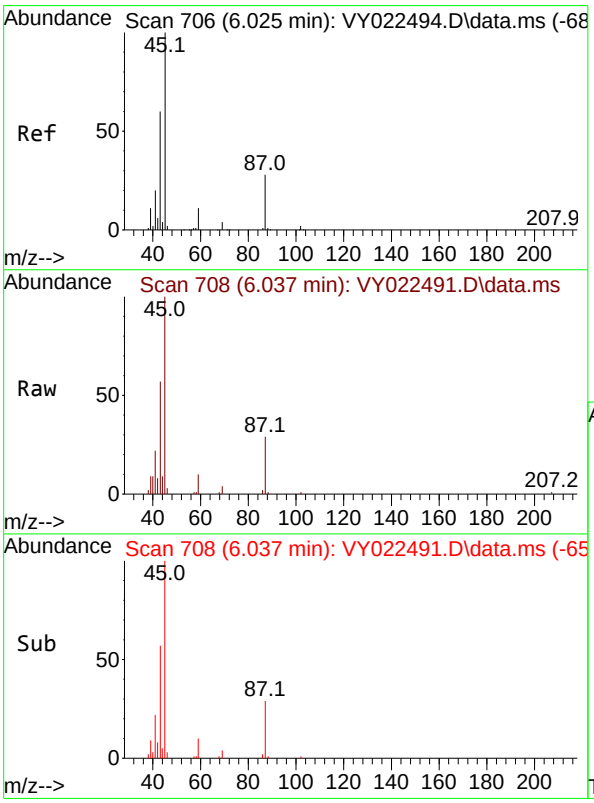
#21
trans-1,2-Dichloroethene
Concen: 4.549 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 10489

Ion	Ratio	Lower	Upper
96	100		
61	119.8	112.6	169.0
98	57.7	50.6	75.8

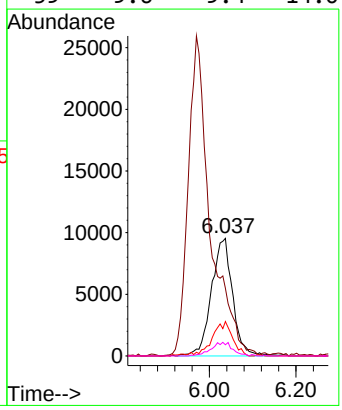


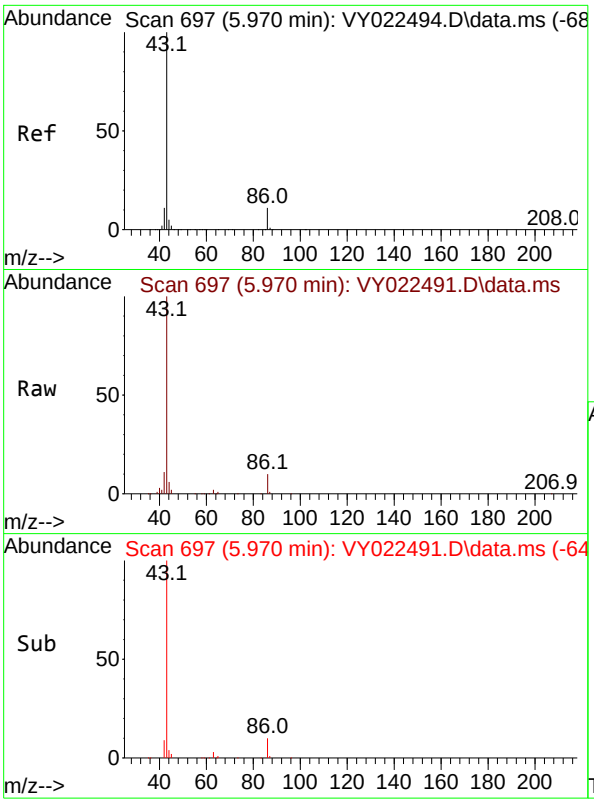


#22
Diisopropyl ether
Concen: 4.544 ug/l
RT: 6.037 min Scan# 708
Delta R.T. 0.012 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 45 Resp: 32497

Ion	Ratio	Lower	Upper
45	100		
43	55.1	48.3	72.5
87	29.3	23.0	34.6
59	9.6	9.4	14.0



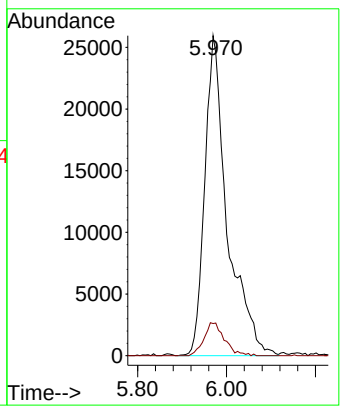


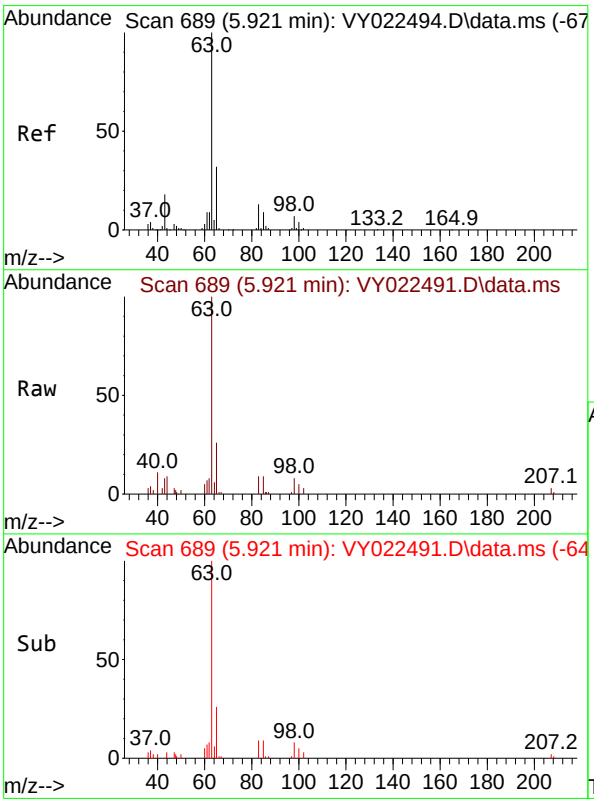
#23
Vinyl Acetate
Concen: 21.559 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 91478

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.6	12.8

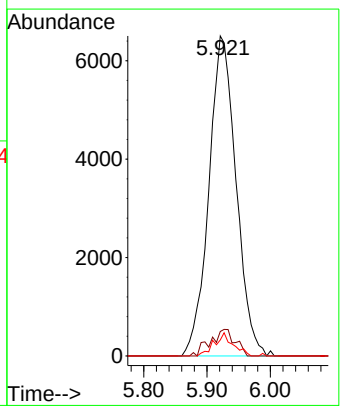


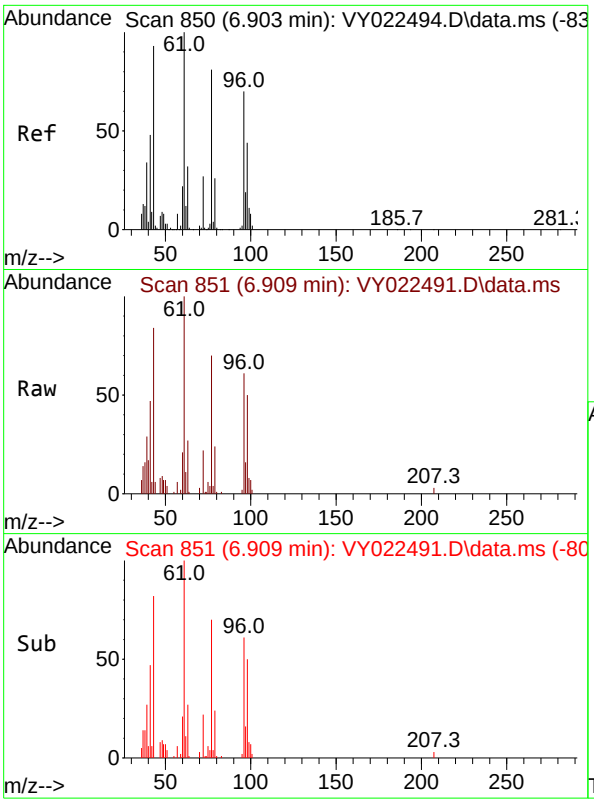


#24
1,1-Dichloroethane
Concen: 4.603 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 63 Resp: 19460

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.4	10.1
100	5.0	2.1	6.3



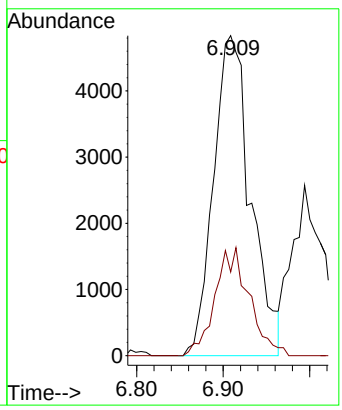


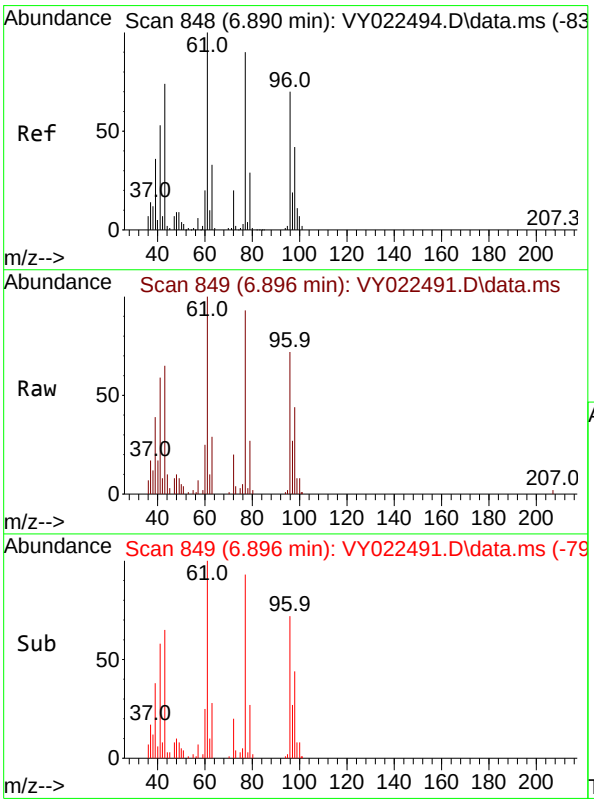
#25
2-Butanone
Concen: 22.605 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 14423

Ion	Ratio	Lower	Upper
43	100		
72	26.2	22.9	34.3

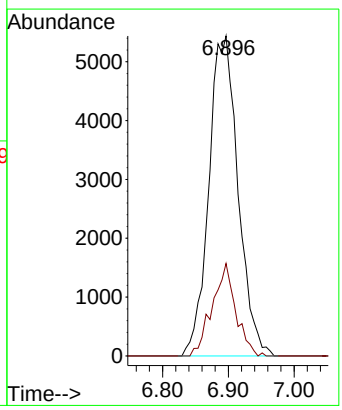


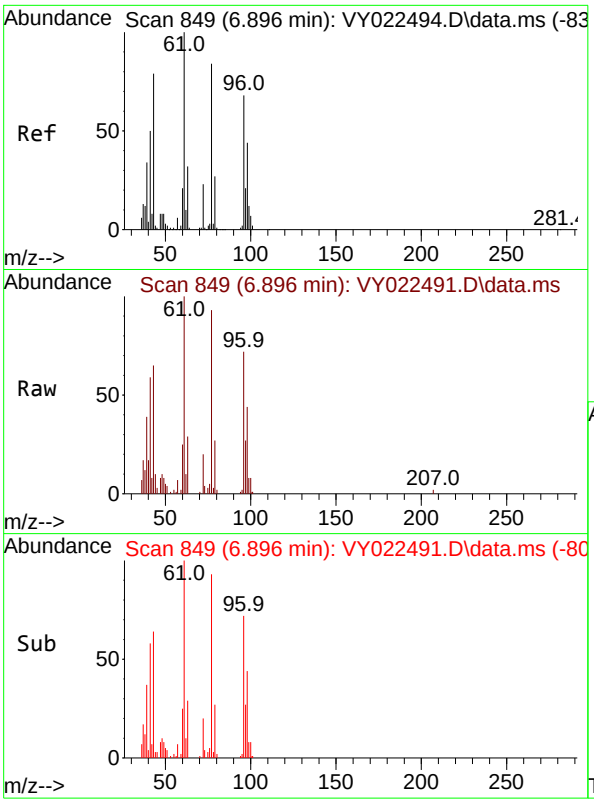


#26
2,2-Dichloropropane
Concen: 4.471 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 77 Resp: 16805

Ion	Ratio	Lower	Upper
77	100		
97	23.2	11.4	34.2



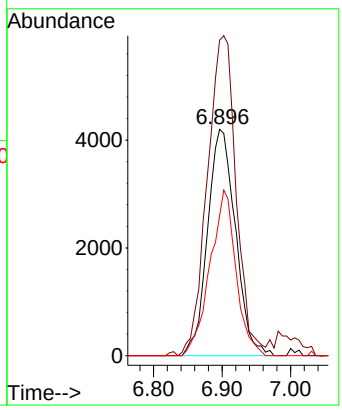


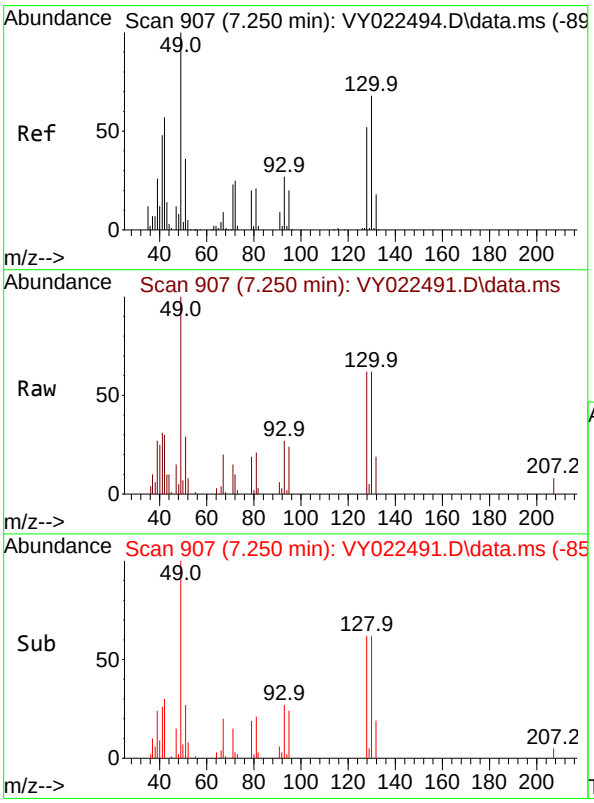
#27
cis-1,2-Dichloroethene
Concen: 4.467 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 11906

Ion	Ratio	Lower	Upper
96	100		
61	146.0	0.0	290.0
98	67.8	0.0	128.4

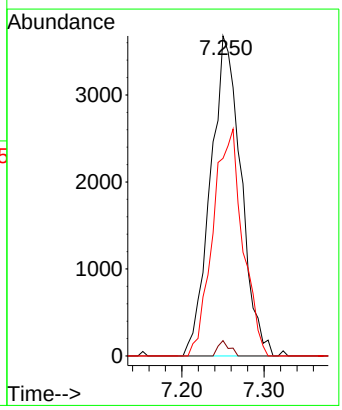


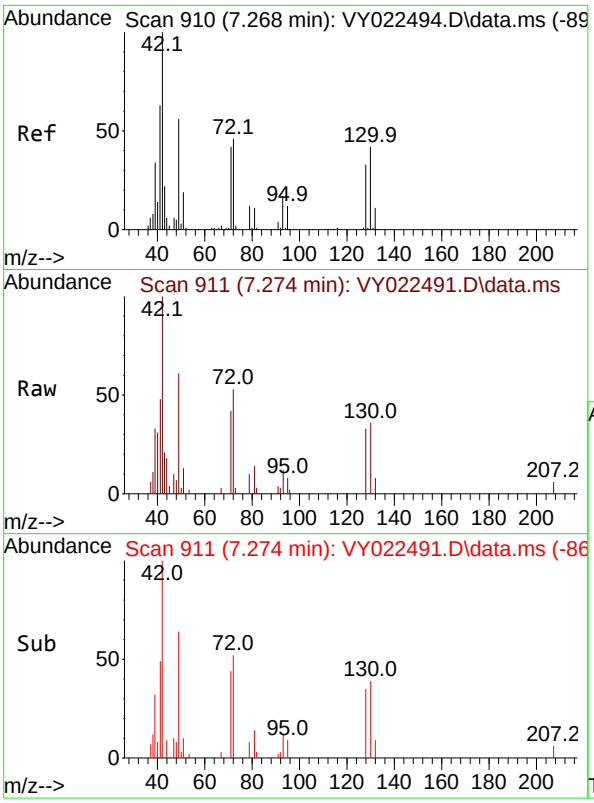


#28
Bromochloromethane
Concen: 5.175 ug/l
RT: 7.250 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 49 Resp: 9453

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	69.5	55.7	83.5



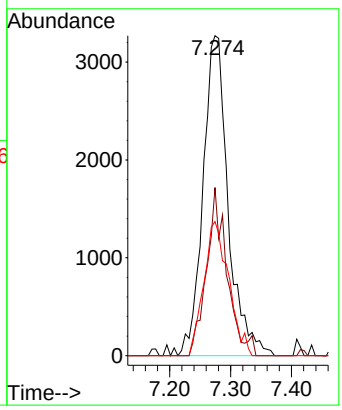


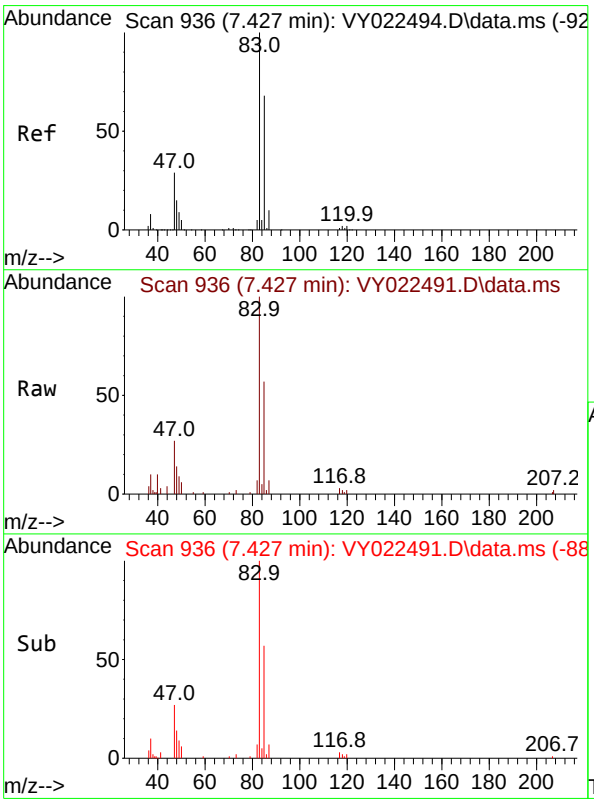
#29
Tetrahydrofuran
Concen: 22.781 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 9377

Ion	Ratio	Lower	Upper
42	100		
72	41.4	37.4	56.2
71	41.5	34.2	51.2

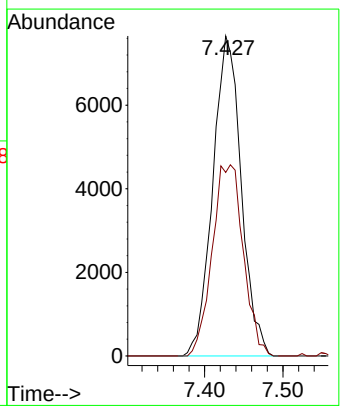


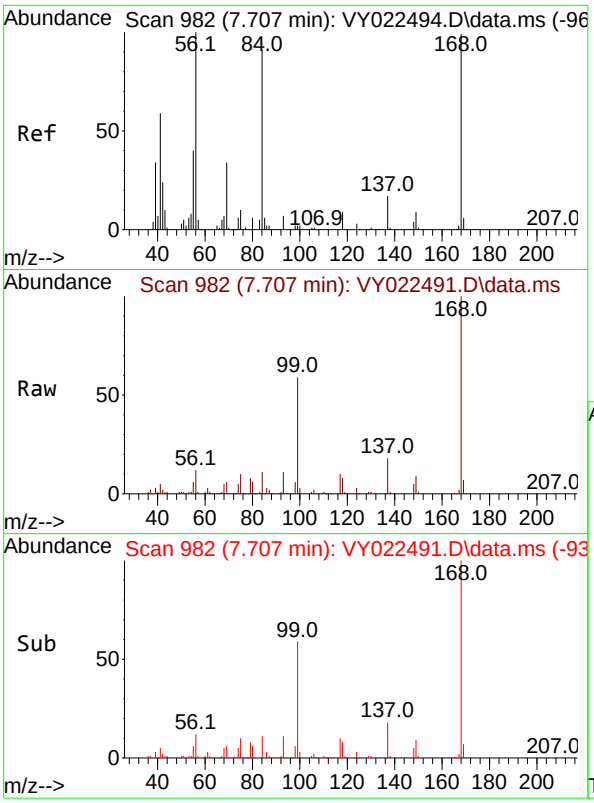


#30
Chloroform
Concen: 4.620 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 83 Resp: 19302

Ion	Ratio	Lower	Upper
83	100		
85	57.4	54.2	81.4



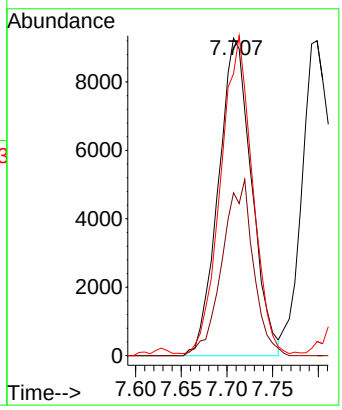


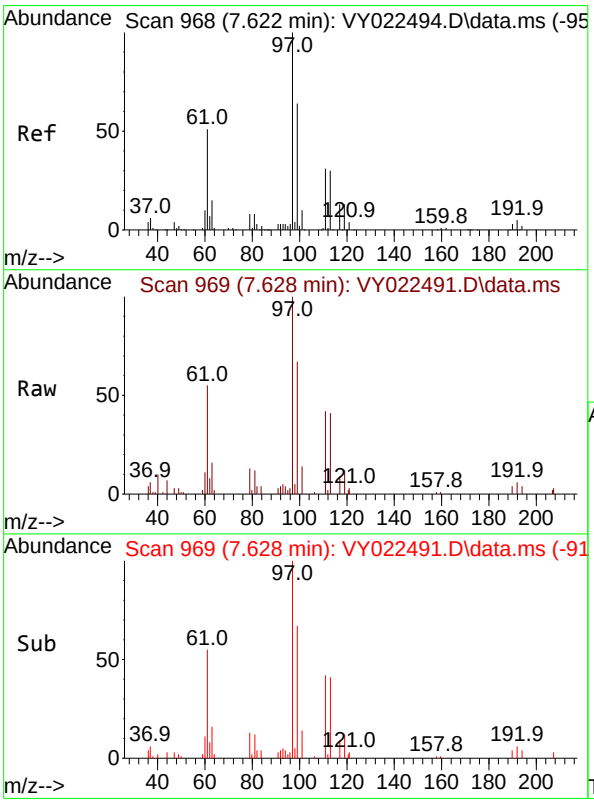
#31
Cyclohexane
Concen: 5.519 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 23482

Ion	Ratio	Lower	Upper
56	100		
69	51.3	27.0	40.6#
84	88.1	72.6	109.0

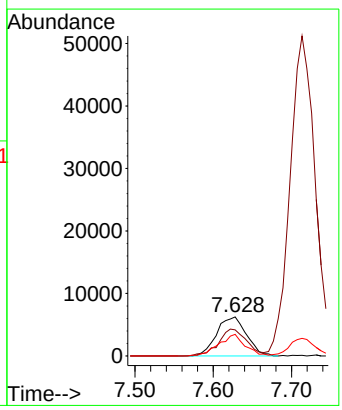


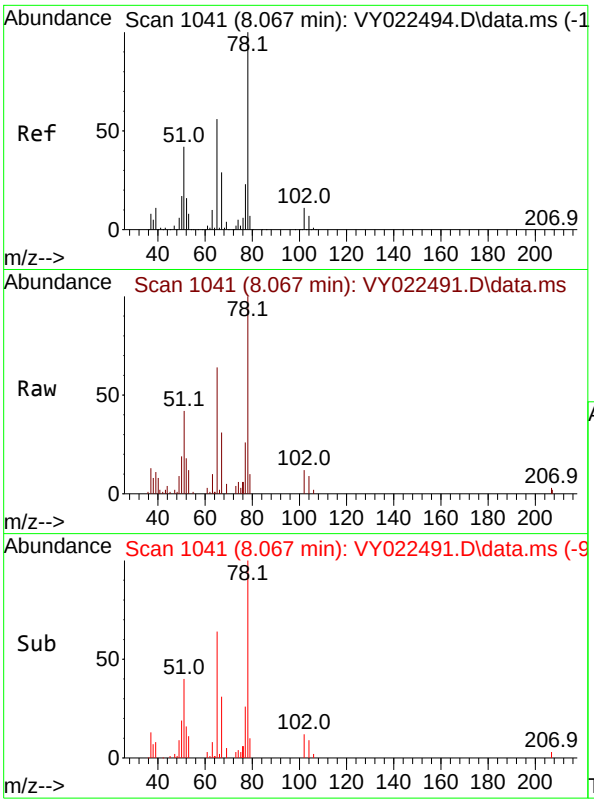


#32
1,1,1-Trichloroethane
Concen: 4.413 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 97 Resp: 16476

Ion	Ratio	Lower	Upper
97	100		
99	65.1	50.9	76.3
61	48.9	38.5	57.7



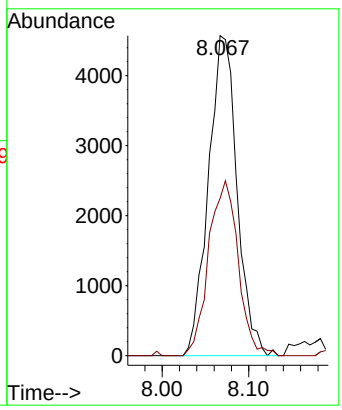


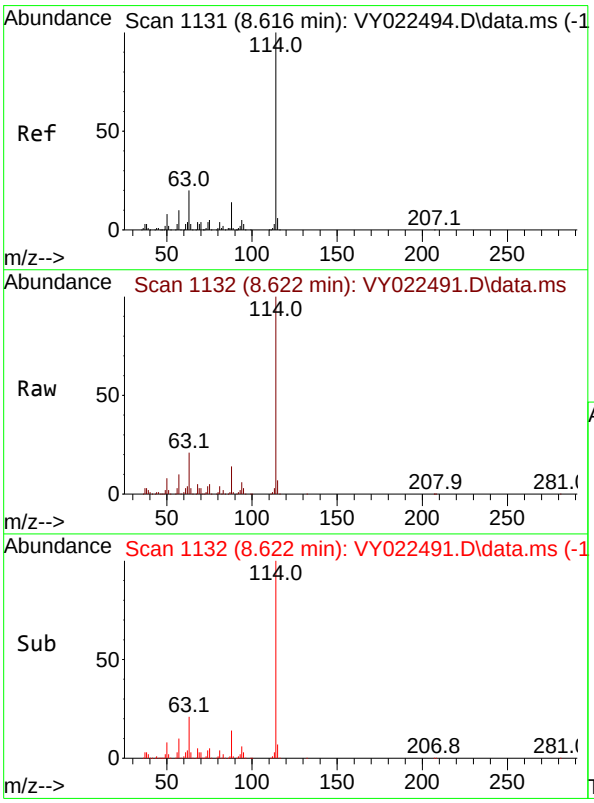
#33
1,2-Dichloroethane-d4
Concen: 4.802 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 10508

Ion	Ratio	Lower	Upper
65	100		
67	56.3	0.0	103.4

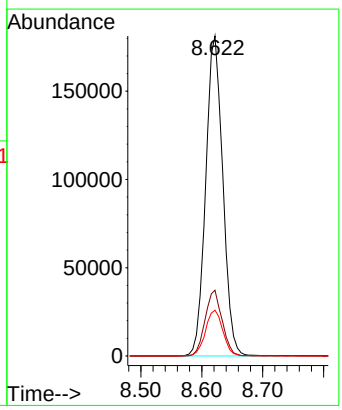


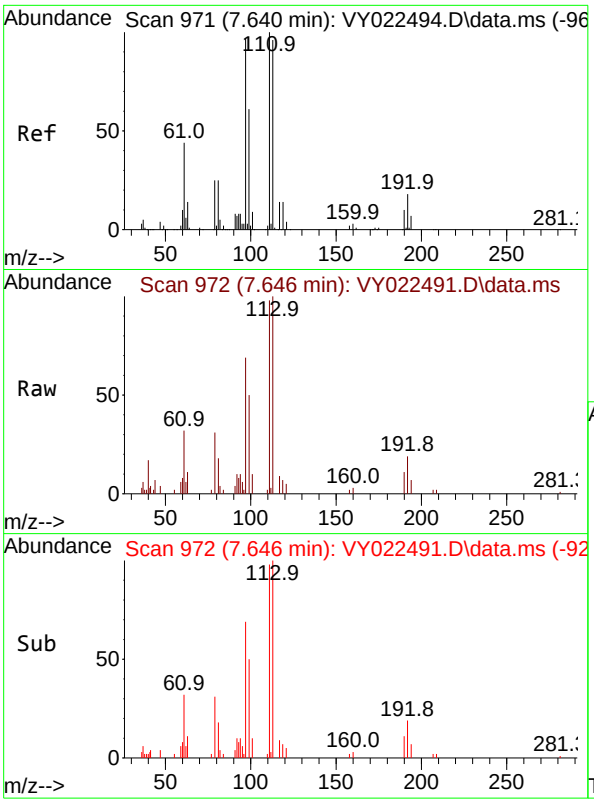


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:114 Resp: 353755

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	14.3	0.0	27.8



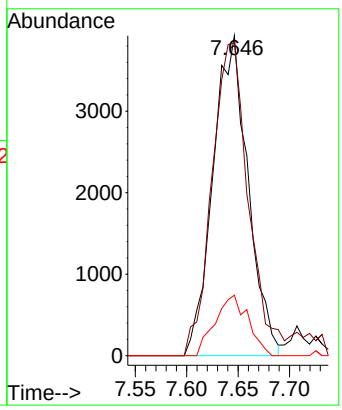


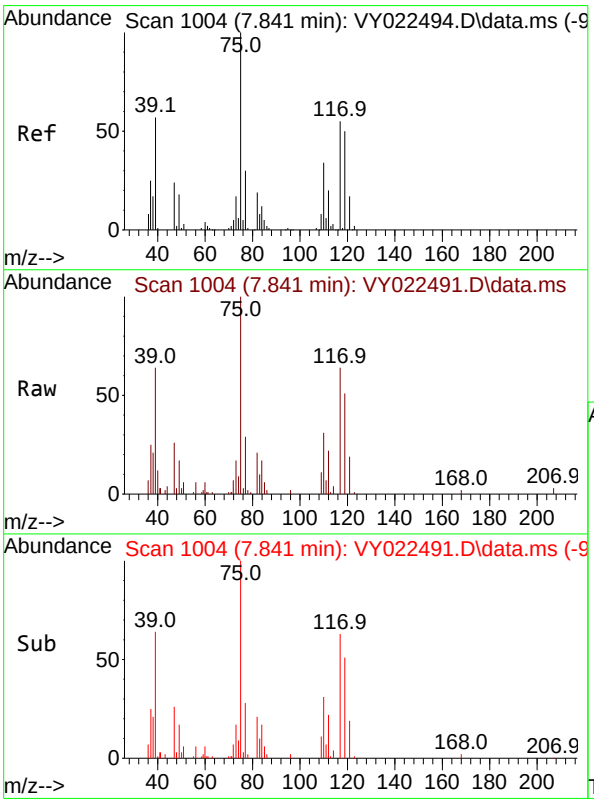
#35
Dibromofluoromethane
Concen: 4.477 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 9323

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.1	121.7
192	17.8	14.2	21.2

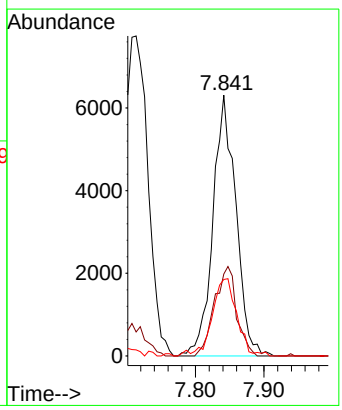


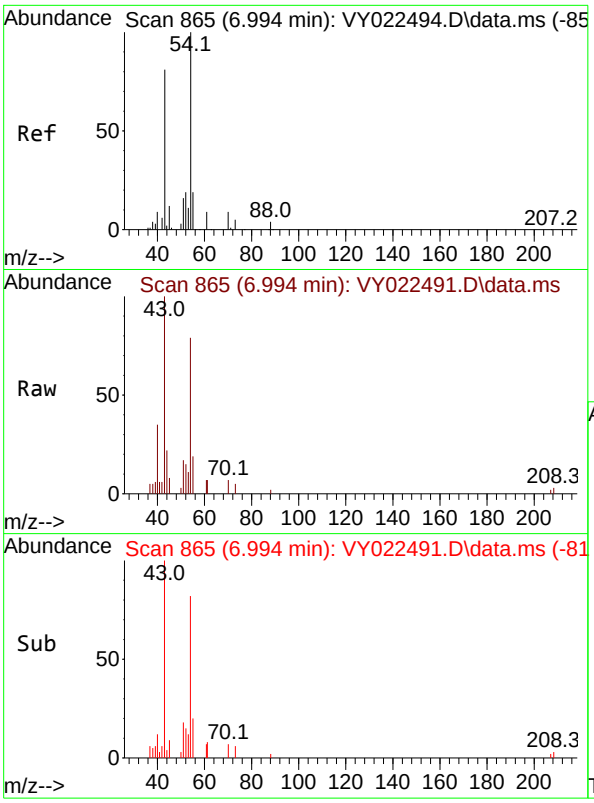


#36
1,1-Dichloropropene
Concen: 4.367 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 75 Resp: 14700

Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.9	50.7
77	32.0	24.8	37.2



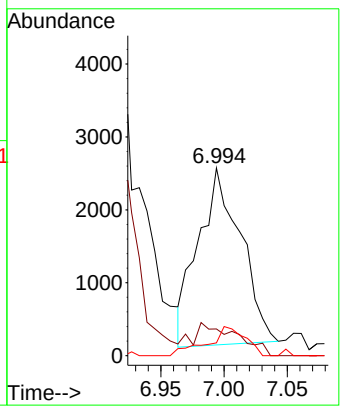


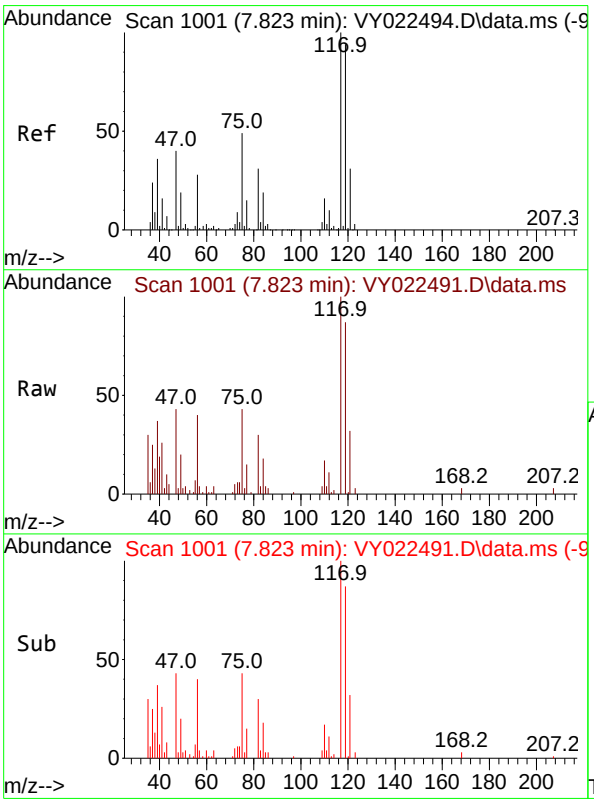
#37
Ethyl Acetate
Concen: 3.822 ug/l
RT: 6.994 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 5662

Ion	Ratio	Lower	Upper
43	100		
61	19.6	11.5	17.3#
70	14.5	7.2	10.8#

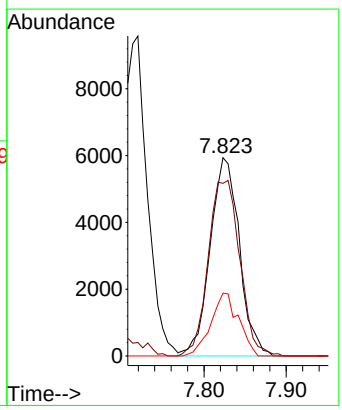


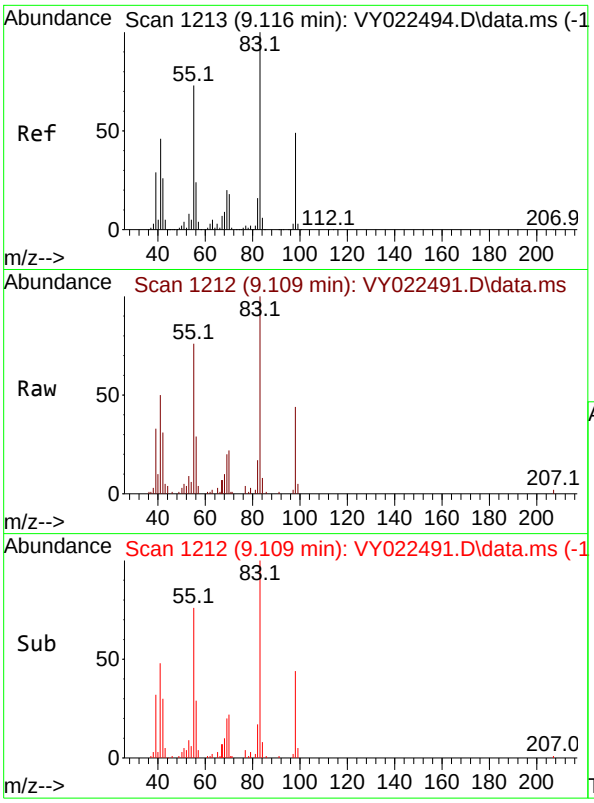


#38
Carbon Tetrachloride
Concen: 4.233 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:117 Resp: 14691

Ion	Ratio	Lower	Upper
117	100		
119	87.1	75.0	112.6
121	31.7	25.0	37.4



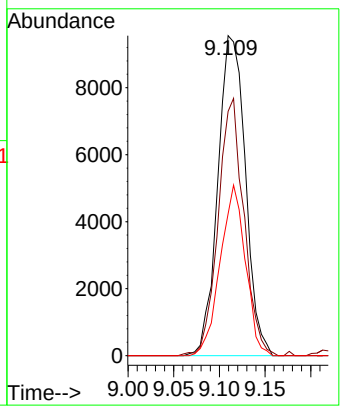


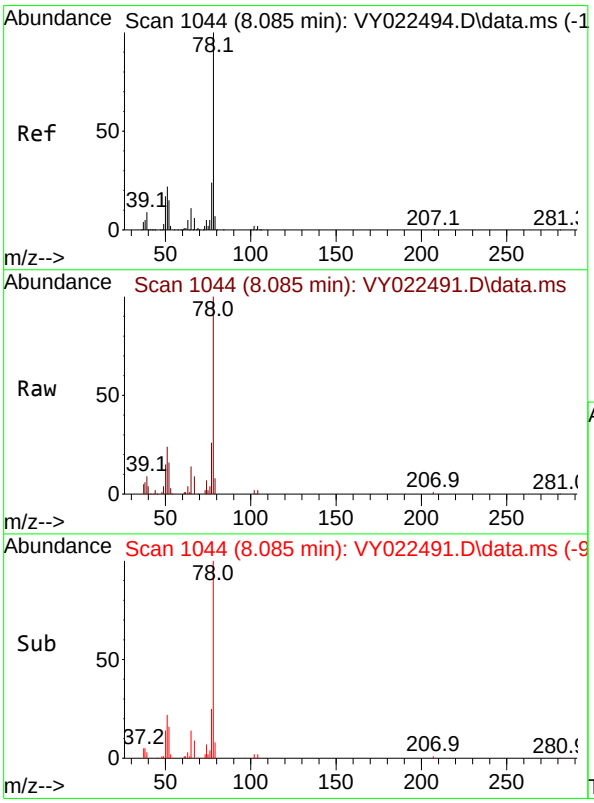
#39
Methylcyclohexane
Concen: 4.415 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 20076

Ion	Ratio	Lower	Upper
83	100		
55	76.4	58.1	87.1
98	44.4	39.0	58.6

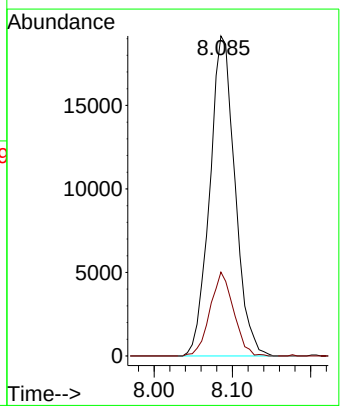


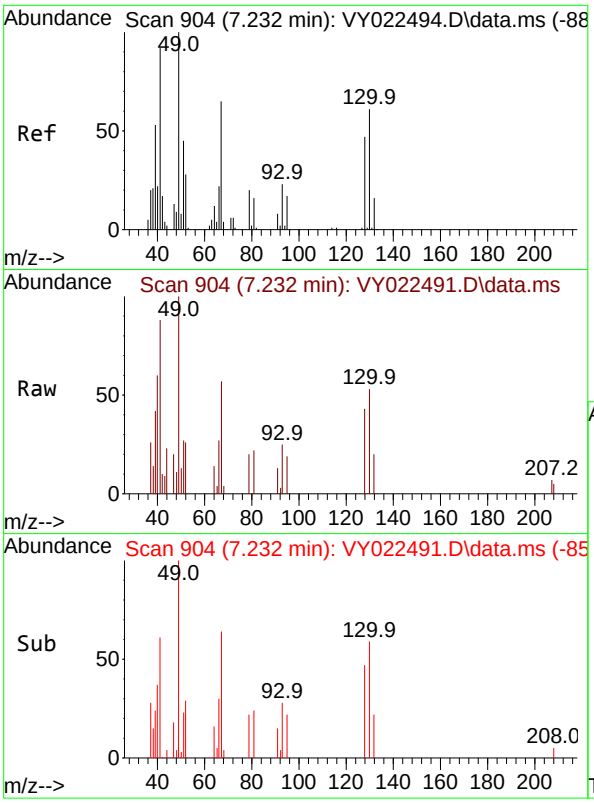


#40
Benzene
Concen: 4.326 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 78 Resp: 42926

Ion	Ratio	Lower	Upper
78	100		
77	26.2	19.3	28.9



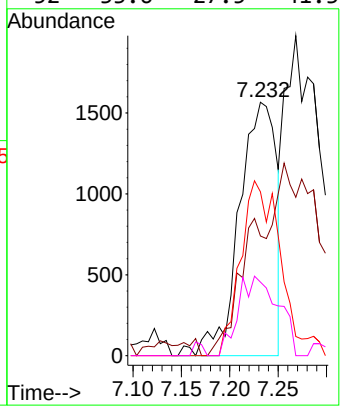


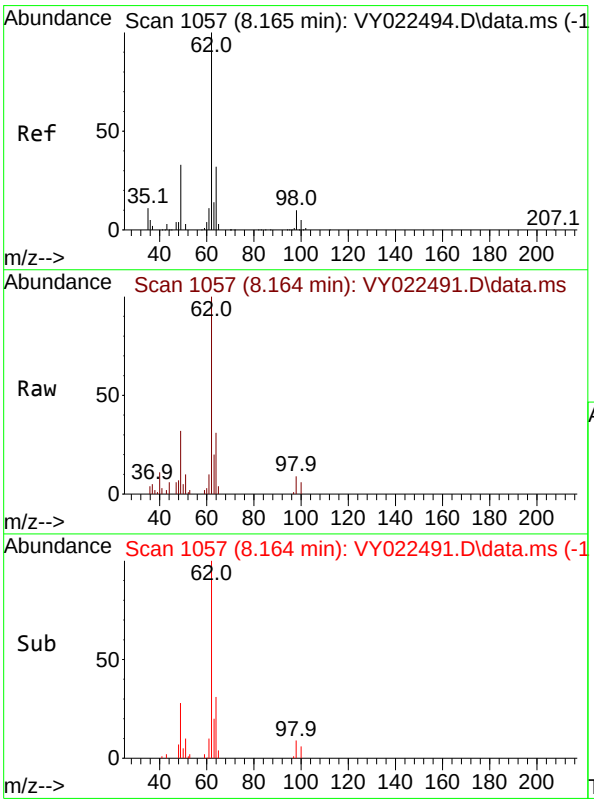
#41
Methacrylonitrile
Concen: 4.394 ug/l
RT: 7.232 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 4192

Ion	Ratio	Lower	Upper
41	100		
39	40.1	46.6	69.8#
67	74.0	63.3	94.9
52	33.6	27.5	41.3

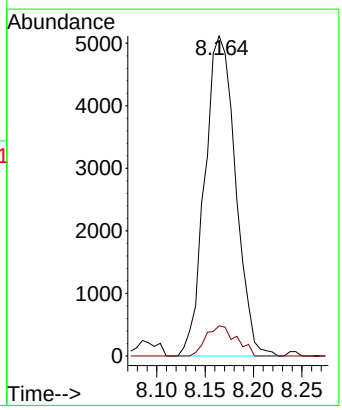


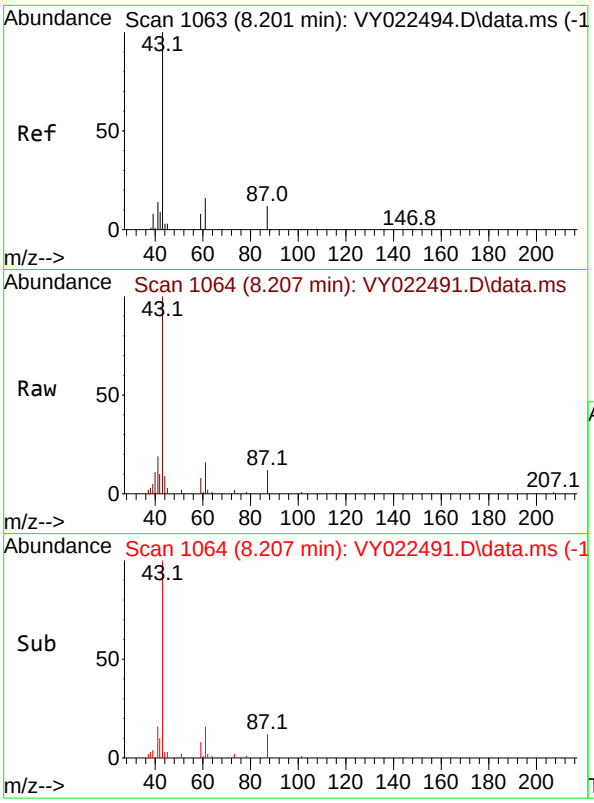


#42
1,2-Dichloroethane
Concen: 4.198 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 62 Resp: 11332

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.2



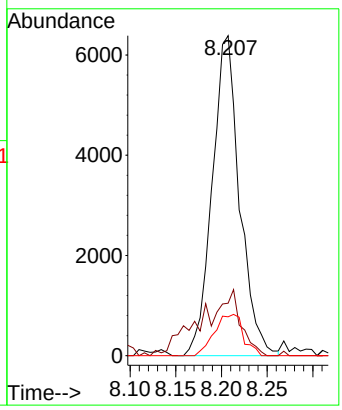


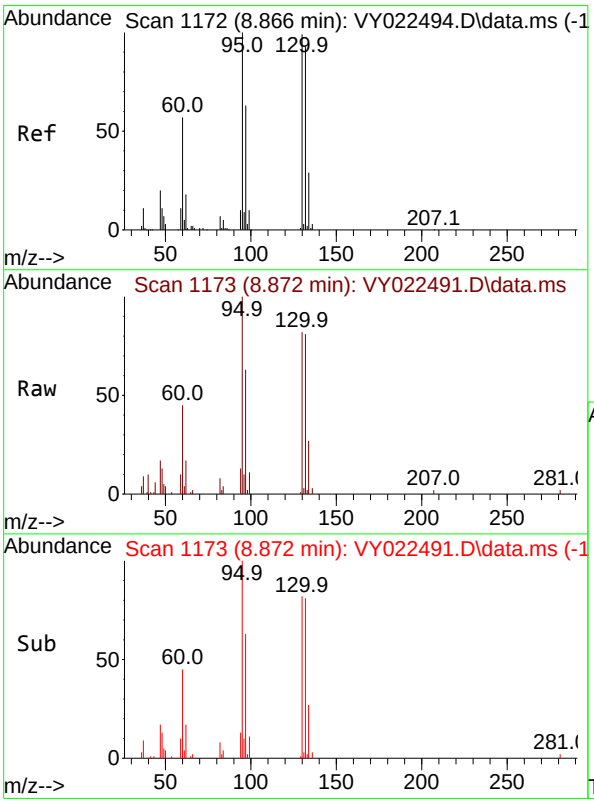
#43
Isopropyl Acetate
Concen: 4.117 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 13330

Ion	Ratio	Lower	Upper
43	100		
61	16.2	15.6	23.4
87	13.6	10.2	15.4

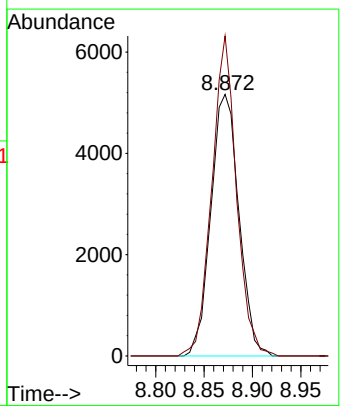


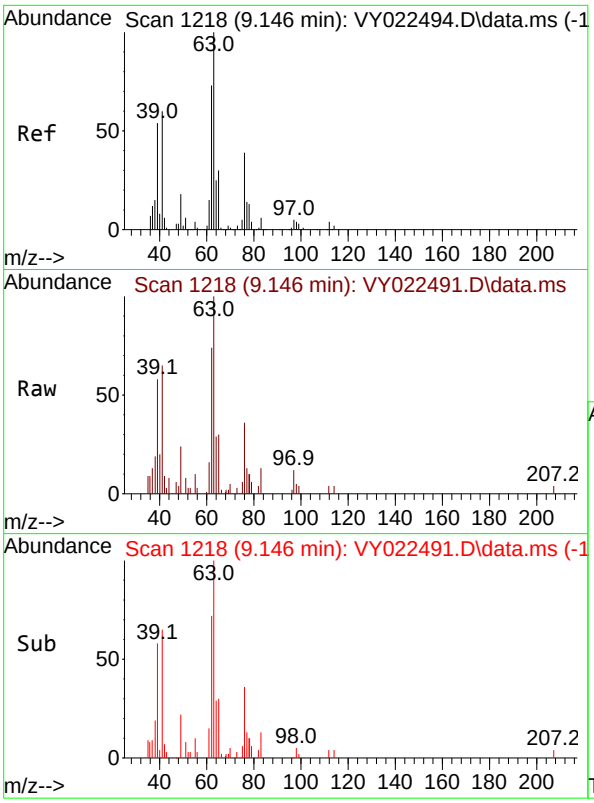


#44
Trichloroethene
Concen: 4.292 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:130 Resp: 10404

Ion	Ratio	Lower	Upper
130	100		
95	122.3	0.0	203.0



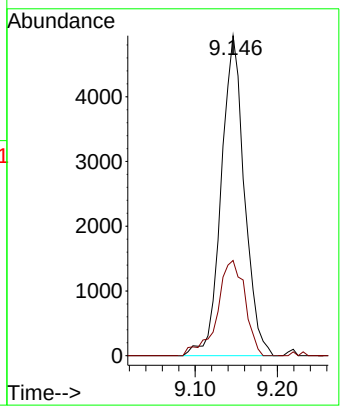


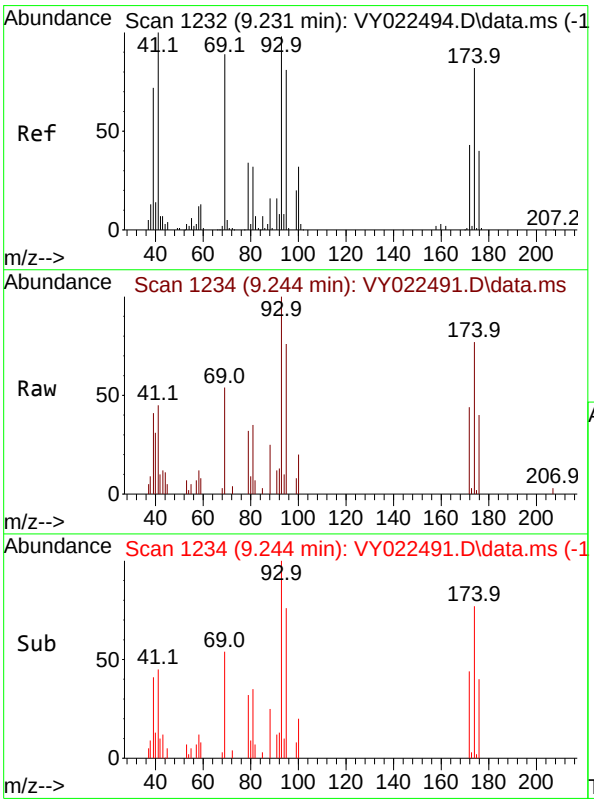
#45
1,2-Dichloropropane
Concen: 4.091 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 9678

Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.0	36.0

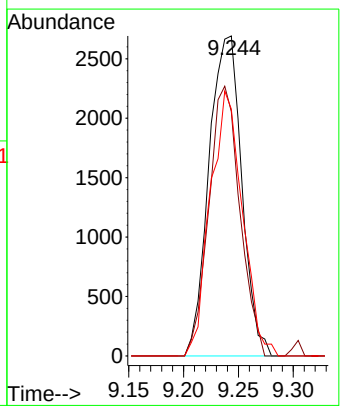


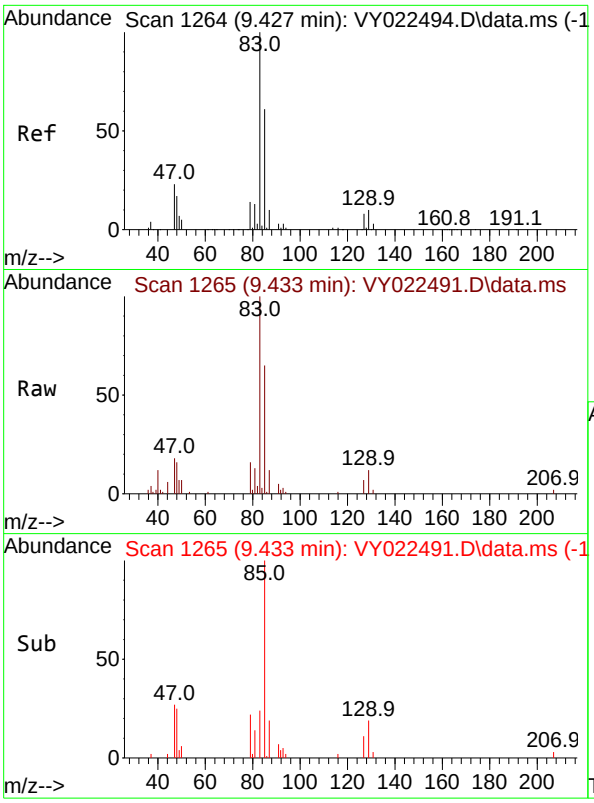


#46
Dibromomethane
Concen: 4.223 ug/l
RT: 9.244 min Scan# 1234
Delta R.T. 0.012 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 93 Resp: 5596

Ion	Ratio	Lower	Upper
93	100		
95	79.9	65.6	98.4
174	81.3	70.4	105.6



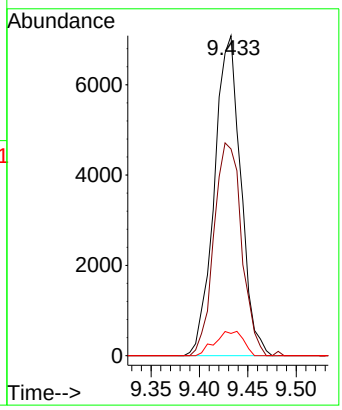


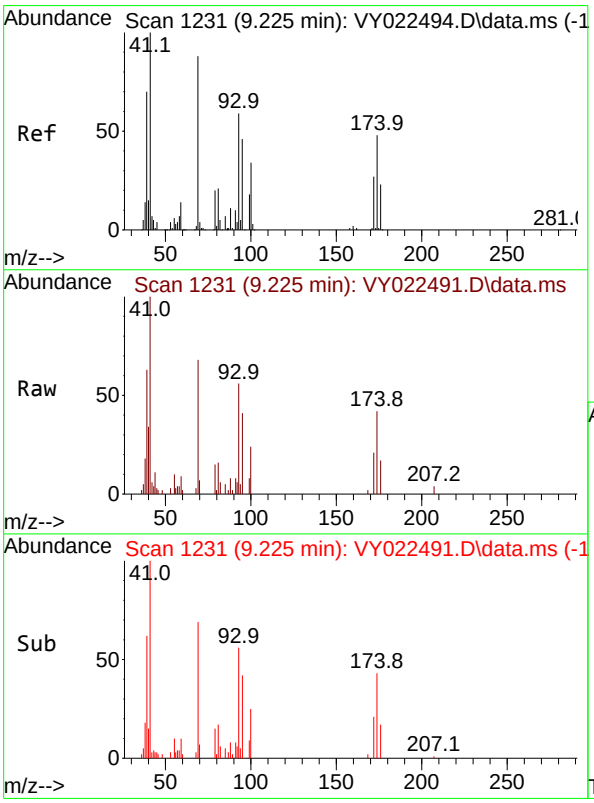
#47
Bromodichloromethane
Concen: 3.999 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 13448

Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.1	73.7
127	7.0	6.2	9.4

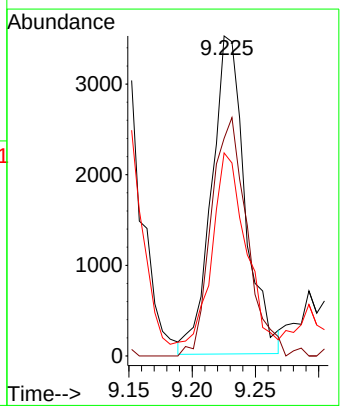


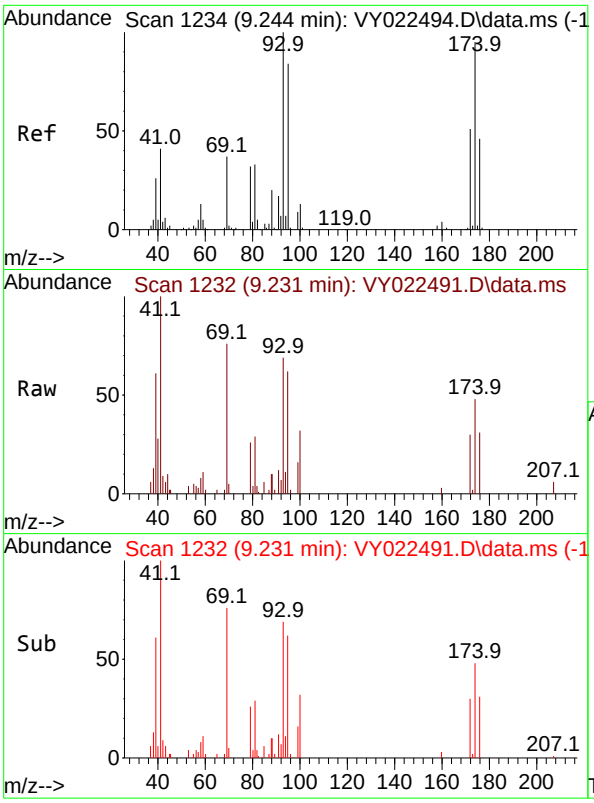


#48
Methyl methacrylate
Concen: 4.374 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 41 Resp: 6483

Ion	Ratio	Lower	Upper
41	100		
69	80.0	67.8	101.8
39	57.3	55.0	82.4



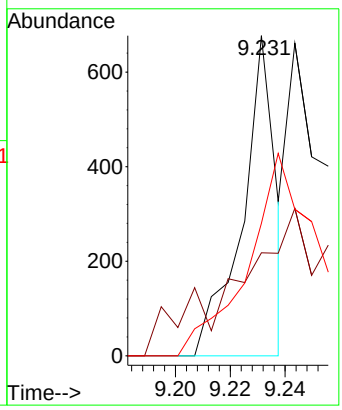


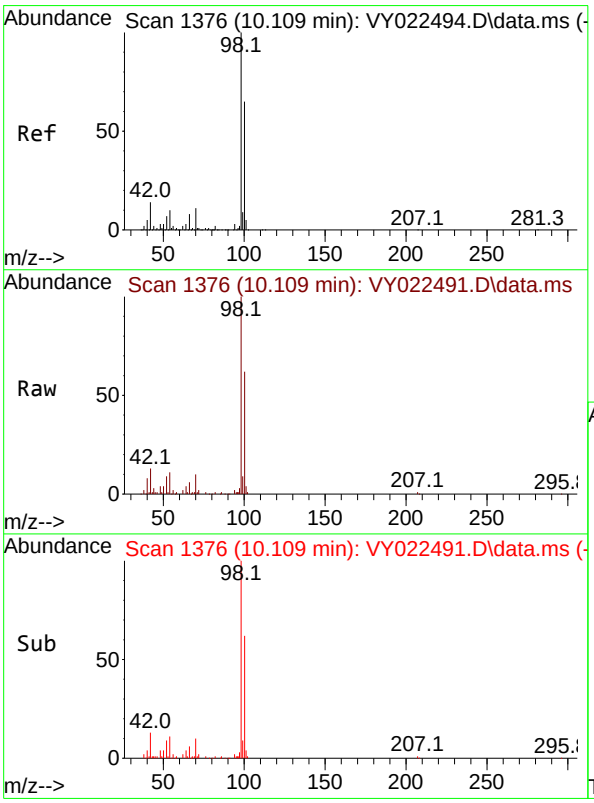
#49
1,4-Dioxane
Concen: 36.306 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 574

Ion	Ratio	Lower	Upper
88	100		
43	125.4	25.4	38.2#
58	154.7	54.9	82.3#

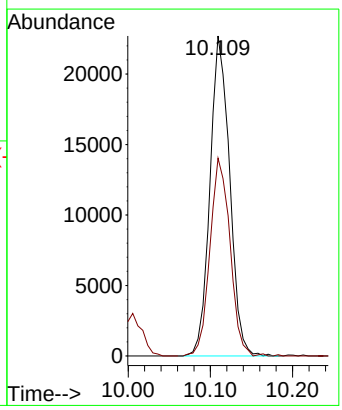


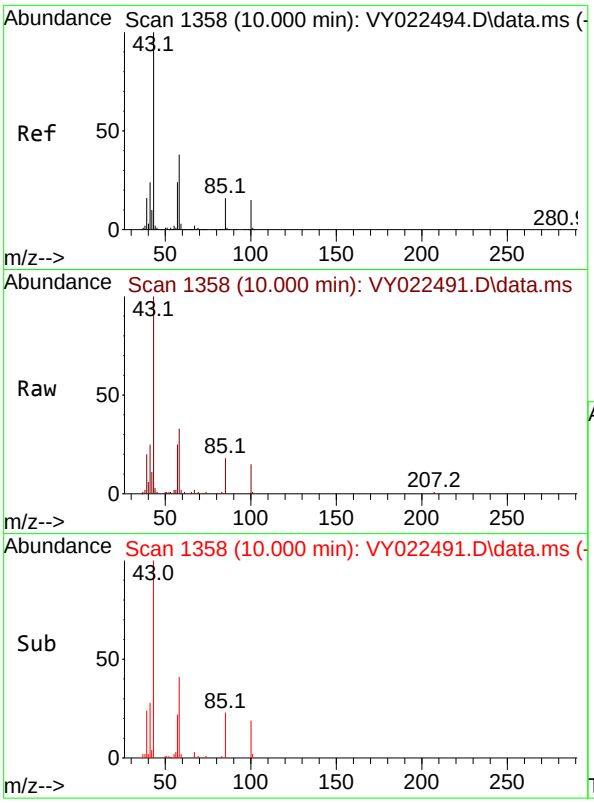


#50
Toluene-d8
Concen: 4.482 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 98 Resp: 37729

Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.4	77.0



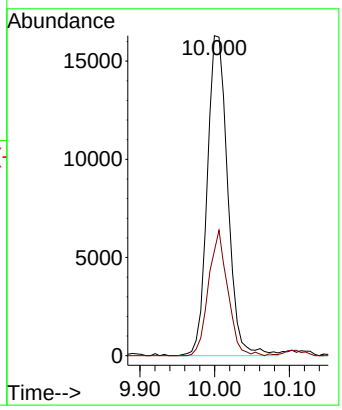


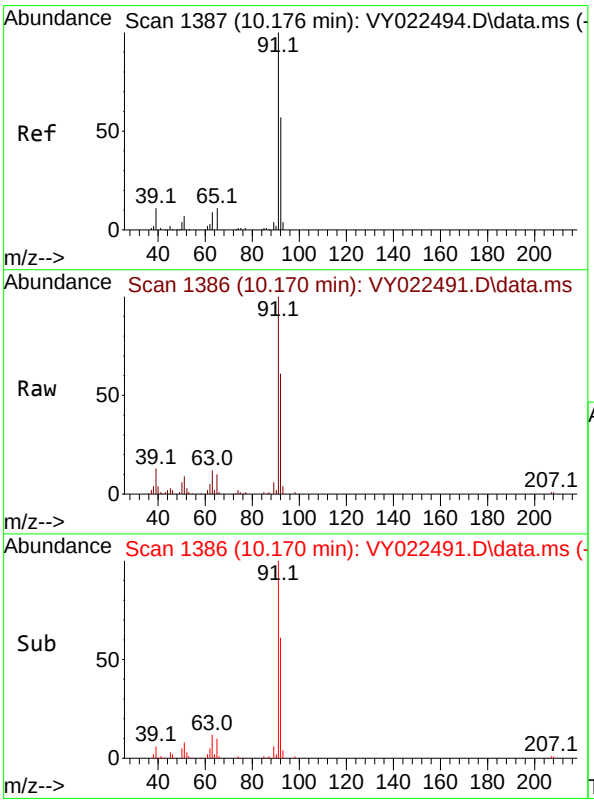
#51
4-Methyl-2-Pentanone
Concen: 19.273 ug/l
RT: 10.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 30969

Ion	Ratio	Lower	Upper
43	100		
58	36.7	30.4	45.6

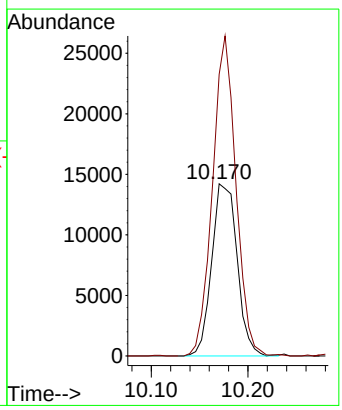


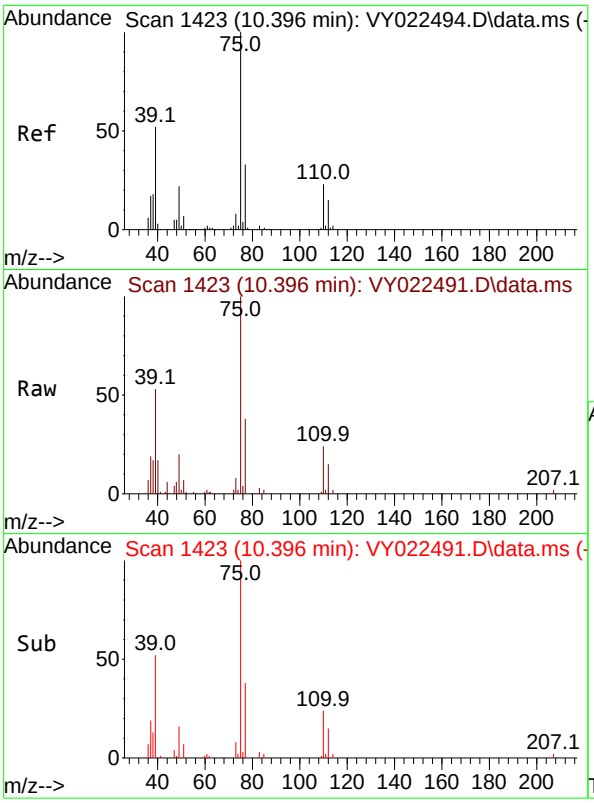


#52
Toluene
Concen: 4.150 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 92 Resp: 25893

Ion	Ratio	Lower	Upper
92	100		
91	171.8	139.0	208.4



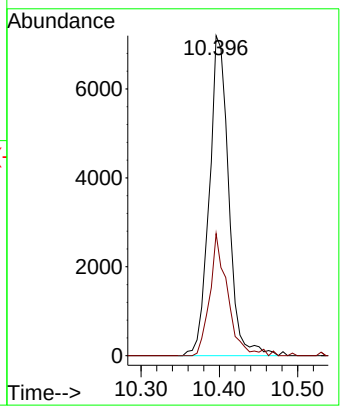


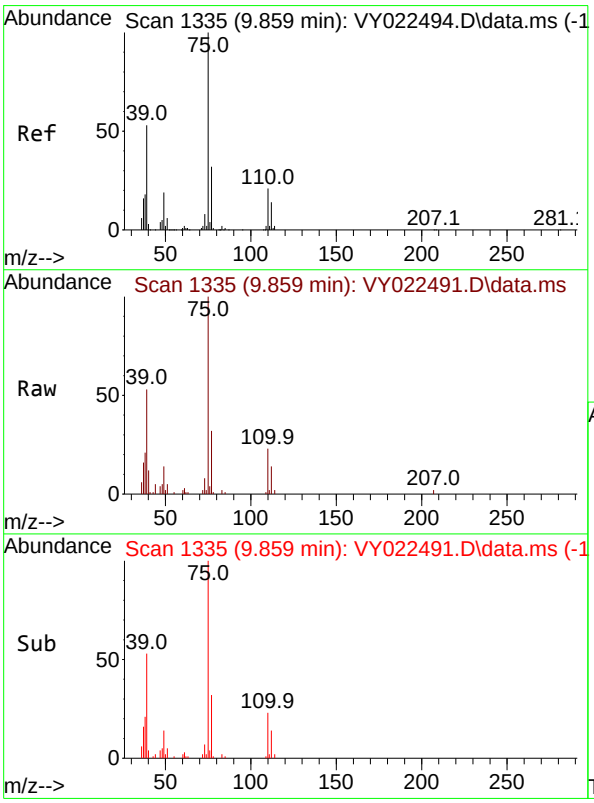
#53
t-1,3-Dichloropropene
Concen: 3.982 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 12388

Ion	Ratio	Lower	Upper
75	100		
77	38.1	26.5	39.7

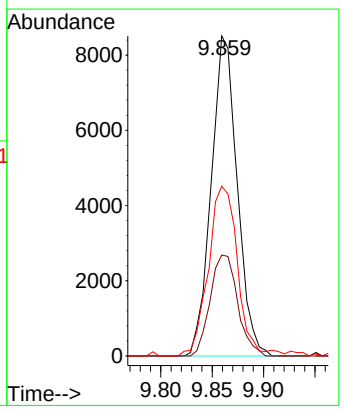


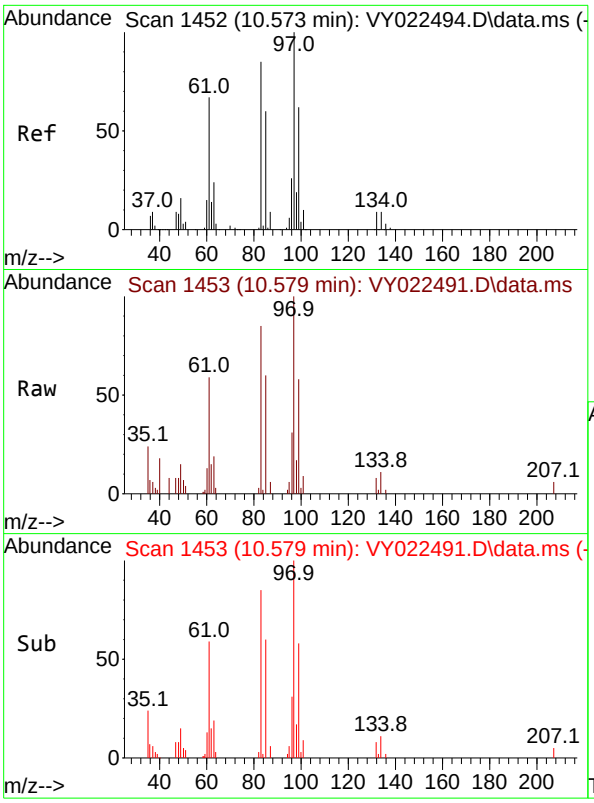


#54
cis-1,3-Dichloropropene
Concen: 4.103 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 75 Resp: 14966

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9
39	53.0	42.7	64.1



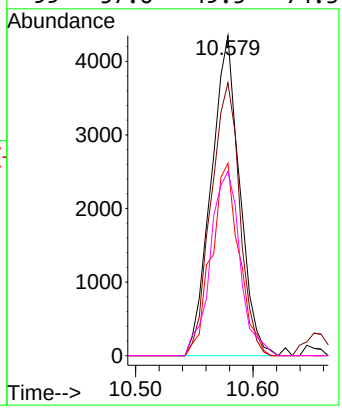


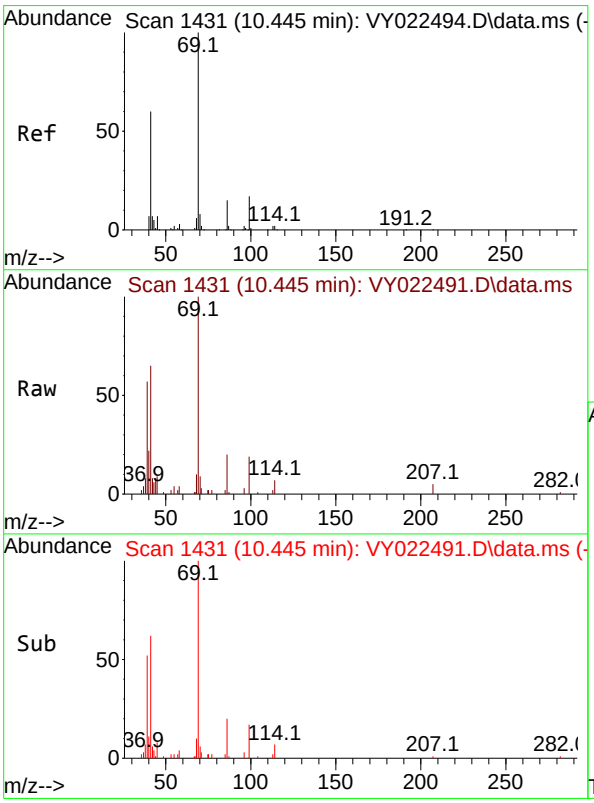
#55
1,1,2-Trichloroethane
Concen: 4.385 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 7318

Ion	Ratio	Lower	Upper
97	100		
83	85.3	68.1	102.1
85	60.1	48.2	72.2
99	57.6	49.5	74.3

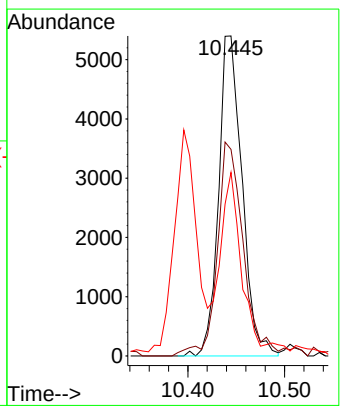


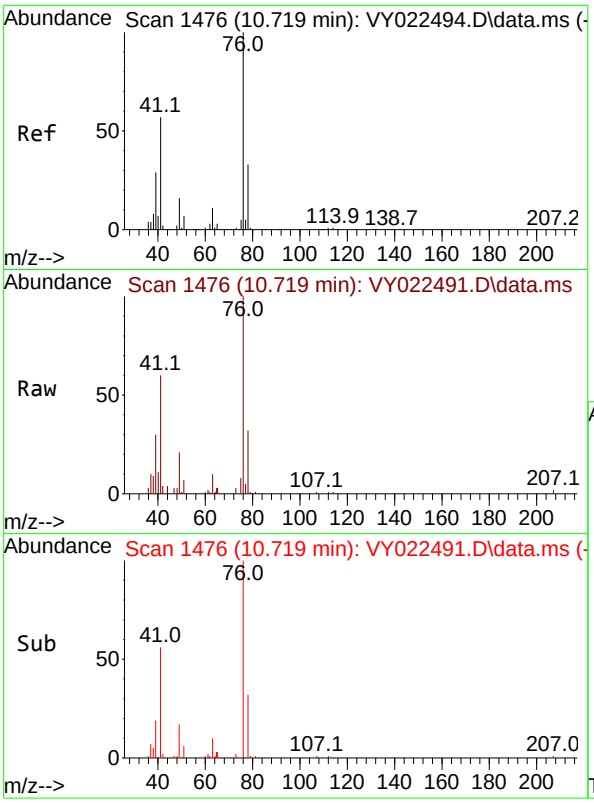


#56
Ethyl methacrylate
Concen: 3.751 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 69 Resp: 9092

Ion	Ratio	Lower	Upper
69	100		
41	73.4	52.2	78.2
39	46.3	36.7	55.1



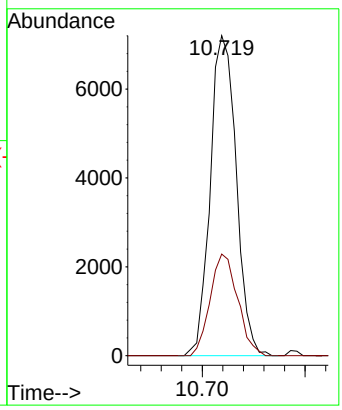


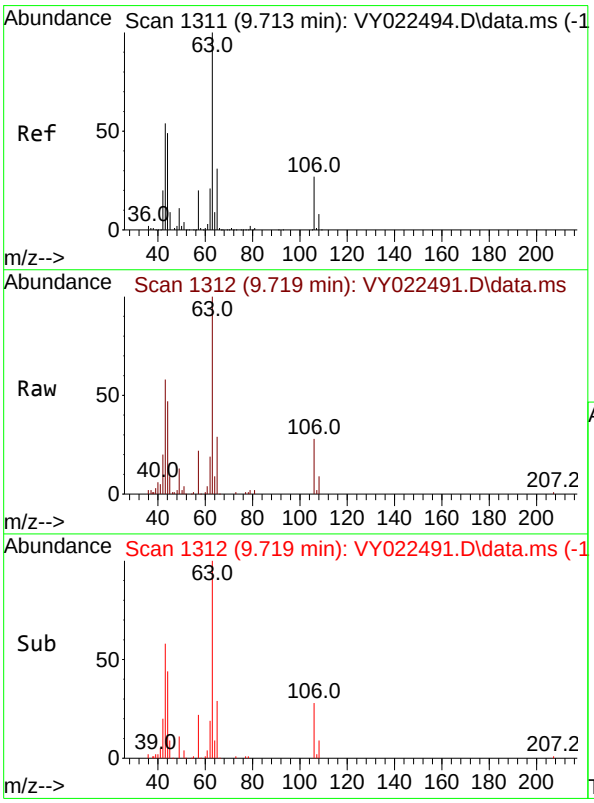
#57
1,3-Dichloropropane
Concen: 4.255 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 12648

Ion	Ratio	Lower	Upper
76	100		
78	33.6	25.8	38.8

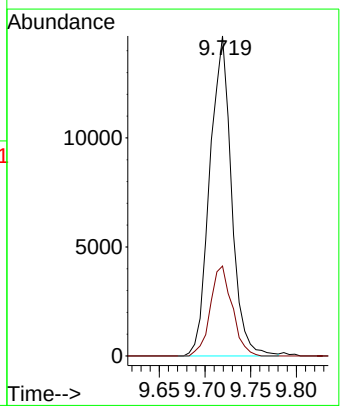


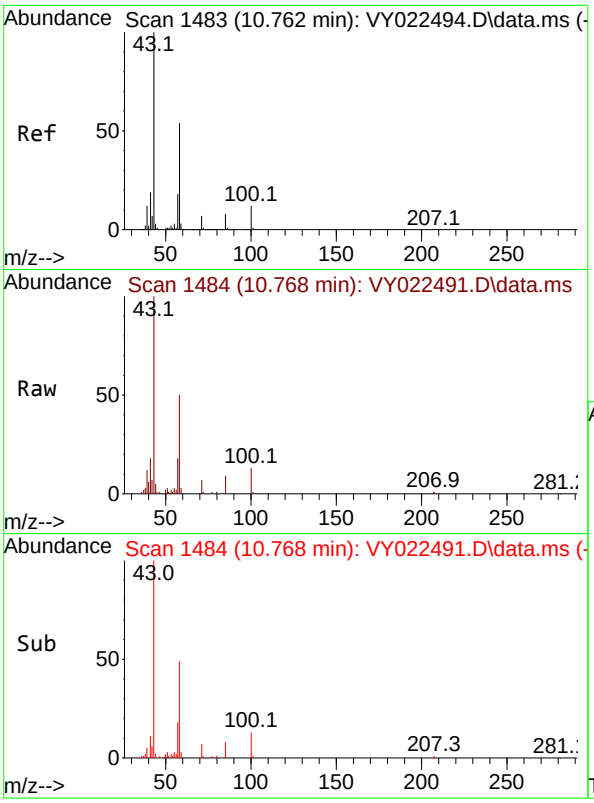


#58
2-Chloroethyl Vinyl ether
Concen: 22.409 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 63 Resp: 24214

Ion	Ratio	Lower	Upper
63	100		
106	28.3	21.6	32.4



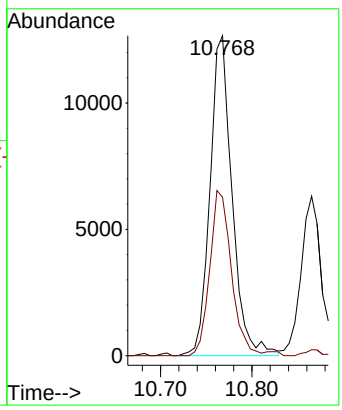


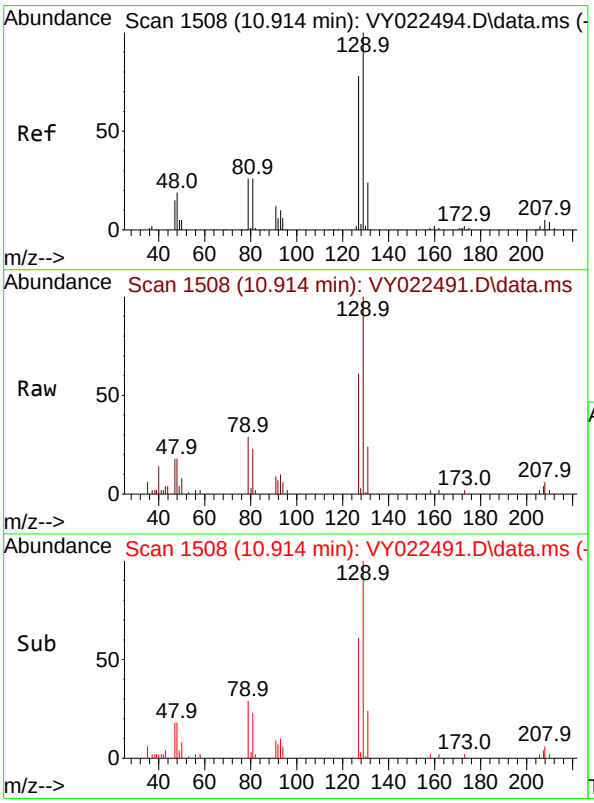
#59
2-Hexanone
Concen: 19.832 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 21243

Ion	Ratio	Lower	Upper
43	100		
58	50.4	27.3	81.8

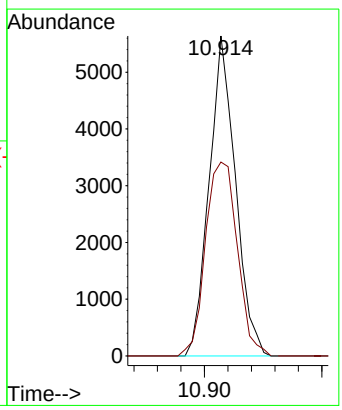


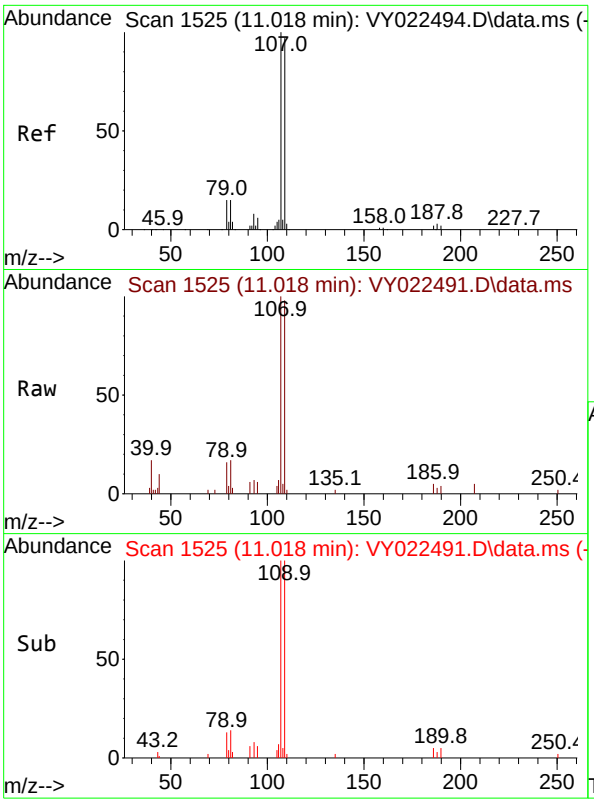


#60
Dibromochloromethane
Concen: 4.152 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:129 Resp: 8781

Ion	Ratio	Lower	Upper
129	100		
127	73.3	39.1	117.2



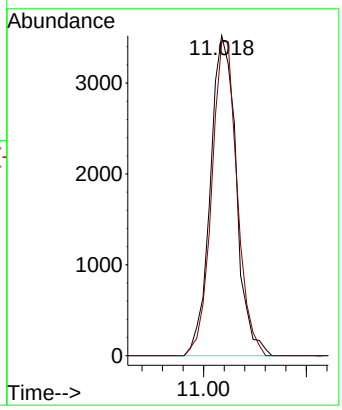


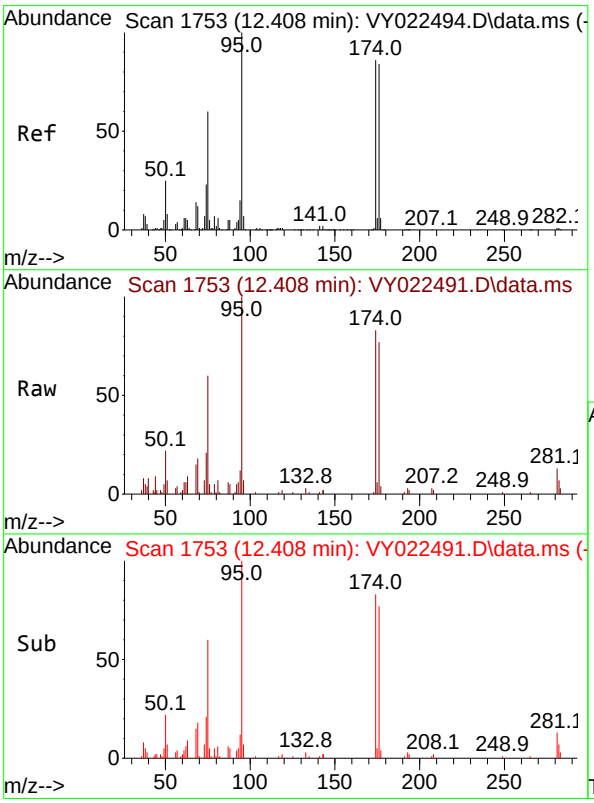
#61
1,2-Dibromoethane
Concen: 3.991 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 6146

Ion	Ratio	Lower	Upper
107	100		
109	96.8	77.7	116.5

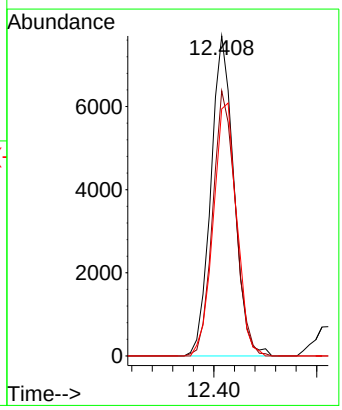


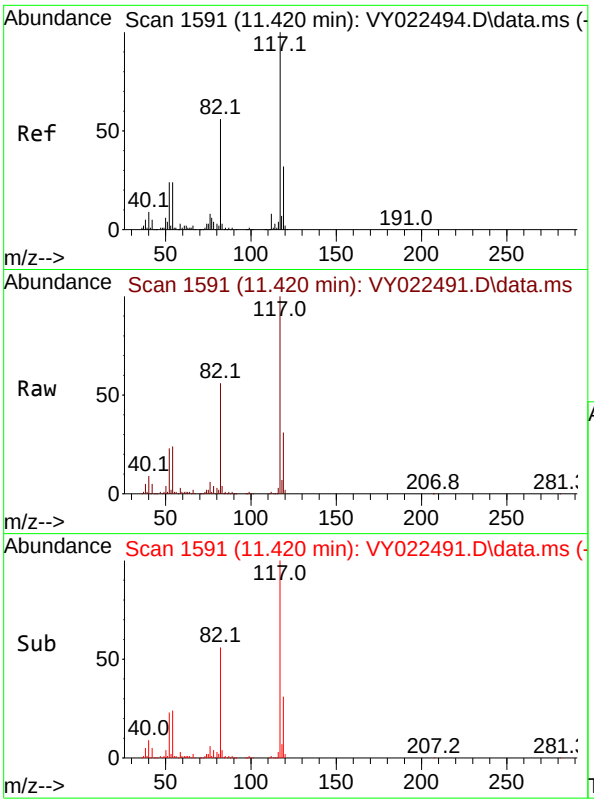


#62
4-Bromofluorobenzene
Concen: 4.697 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 95 Resp: 11988

Ion	Ratio	Lower	Upper
95	100		
174	81.7	0.0	170.0
176	80.2	0.0	166.2



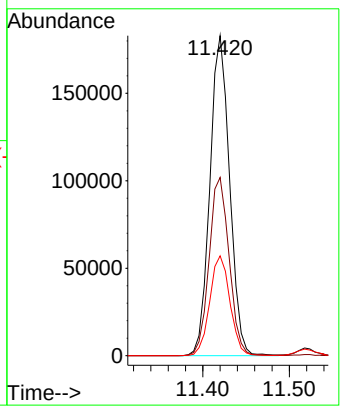


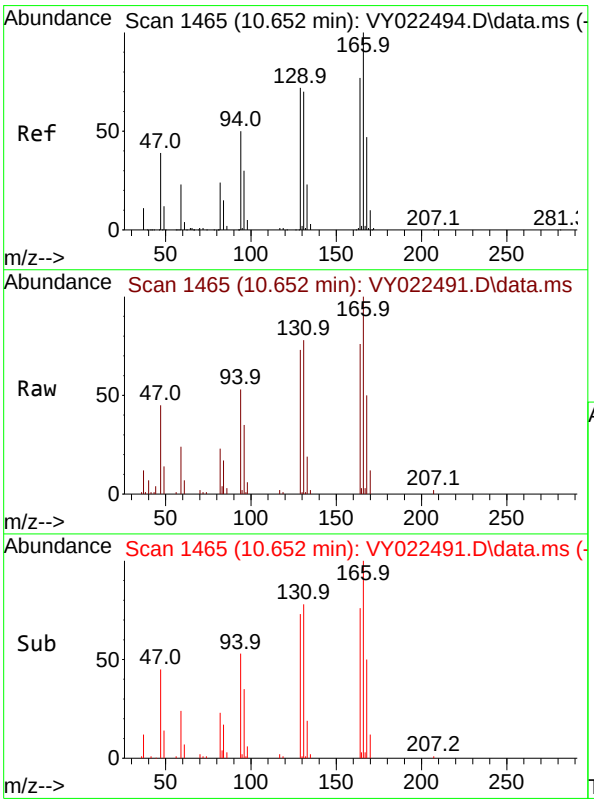
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 289394

Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.6	66.8
119	31.2	25.4	38.0

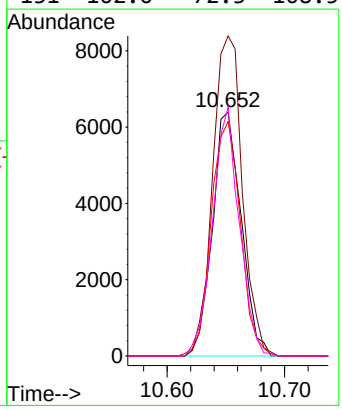


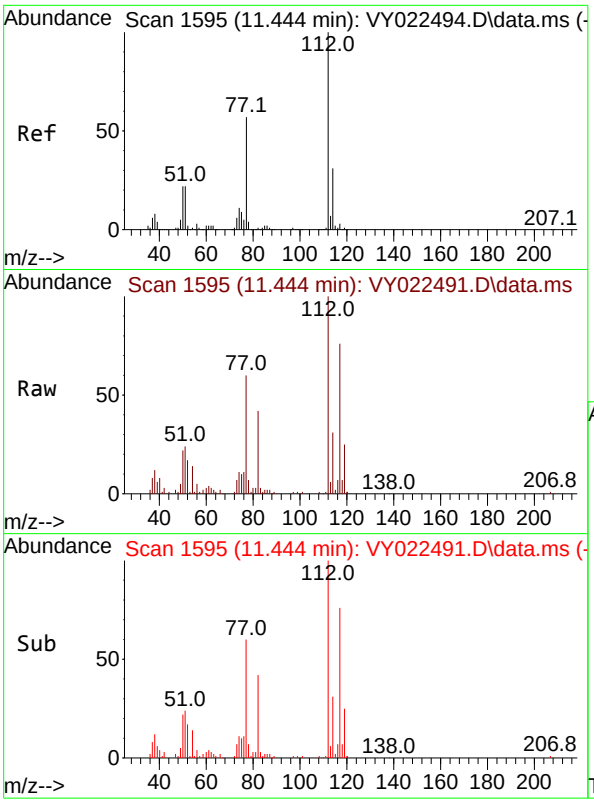


#64
Tetrachloroethene
Concen: 4.417 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:164 Resp: 10863

Ion	Ratio	Lower	Upper
164	100		
166	131.2	104.0	156.0
129	96.1	74.5	111.7
131	102.0	72.3	108.5



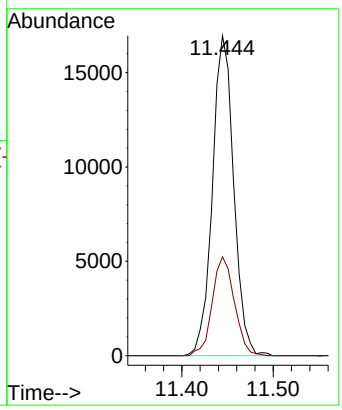


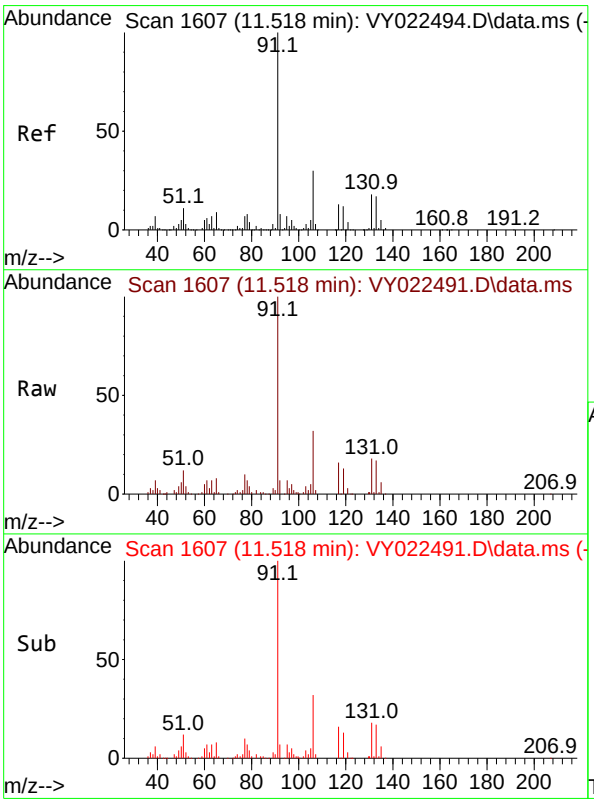
#65
Chlorobenzene
Concen: 4.377 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 27467

Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.0	37.6

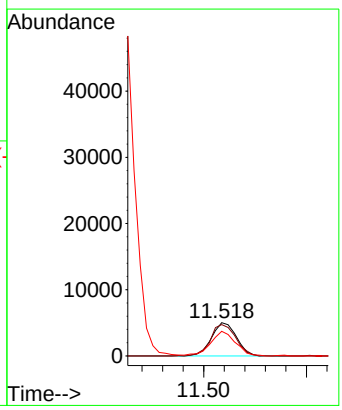


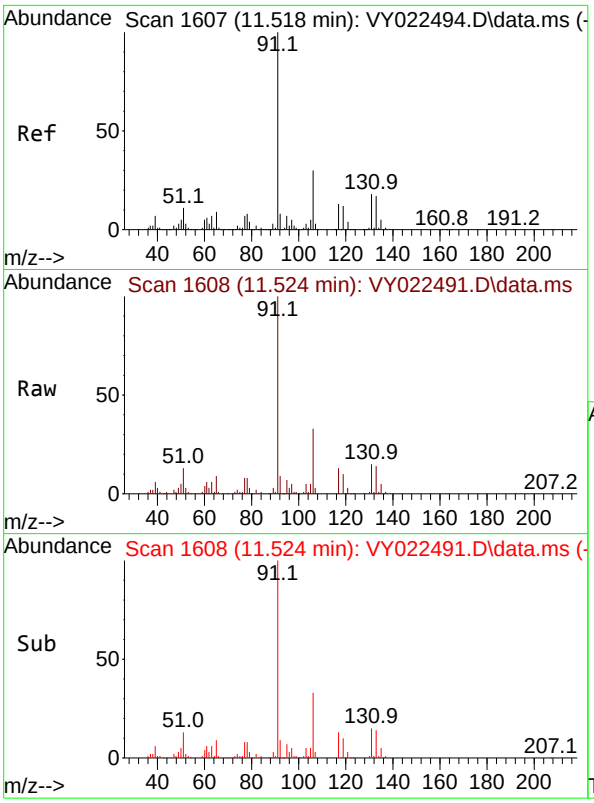


#66
1,1,1,2-Tetrachloroethane
Concen: 3.959 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:131 Resp: 8422

Ion	Ratio	Lower	Upper
131	100		
133	96.8	47.3	141.8
119	74.3	33.1	99.3



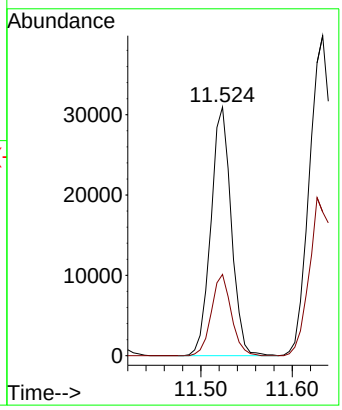


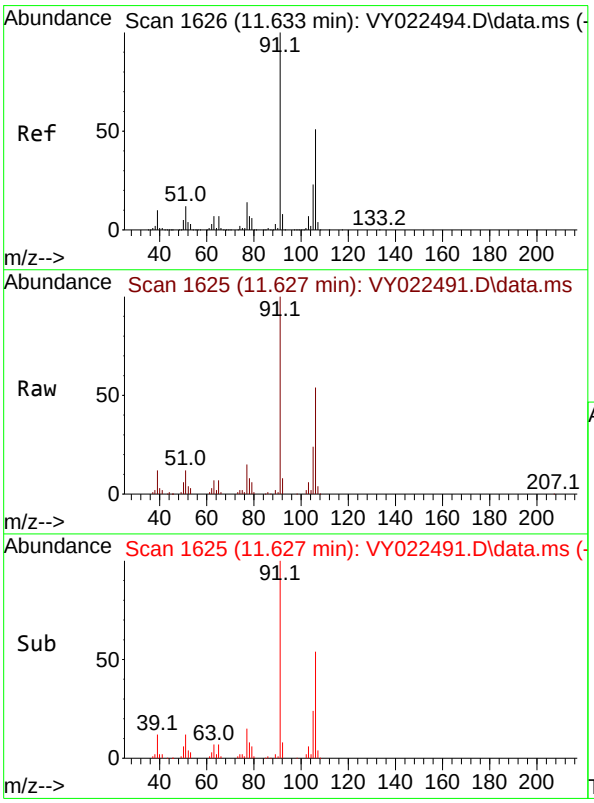
#67
Ethyl Benzene
Concen: 4.098 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 47883

Ion	Ratio	Lower	Upper
91	100		
106	32.7	24.2	36.4

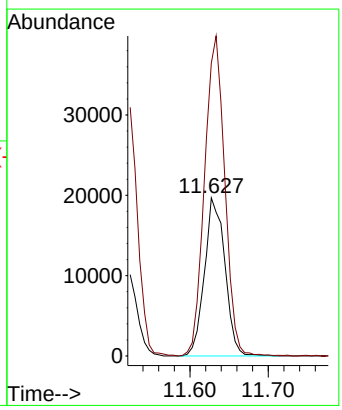


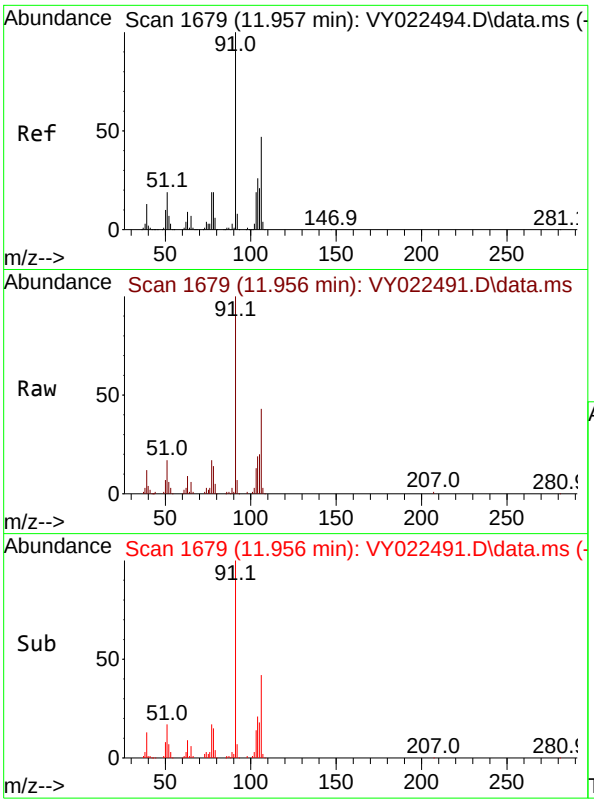


#68
m/p-Xylenes
Concen: 8.060 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:106 Resp: 35645

Ion	Ratio	Lower	Upper
106	100		
91	200.7	159.4	239.0



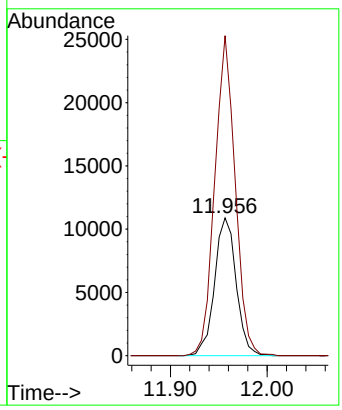


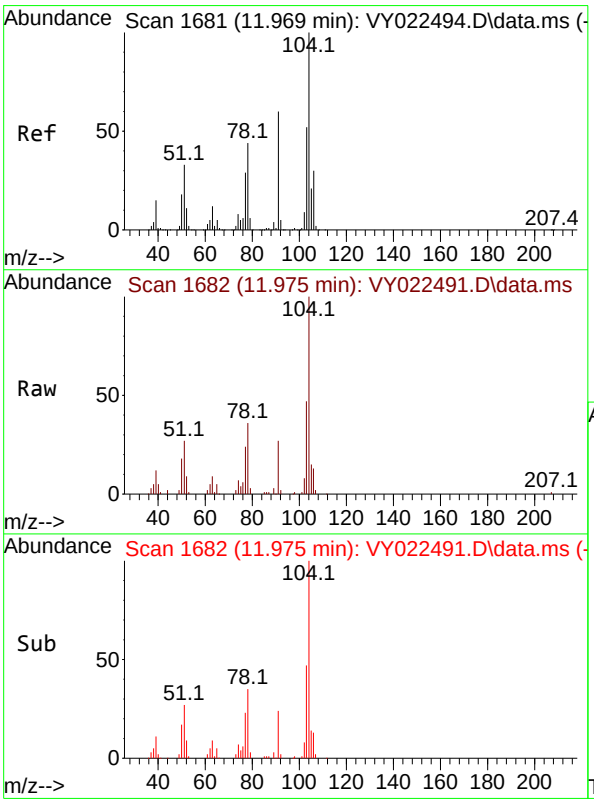
#69
o-Xylene
Concen: 4.075 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 16866

Ion	Ratio	Lower	Upper
106	100		
91	219.4	105.8	317.3

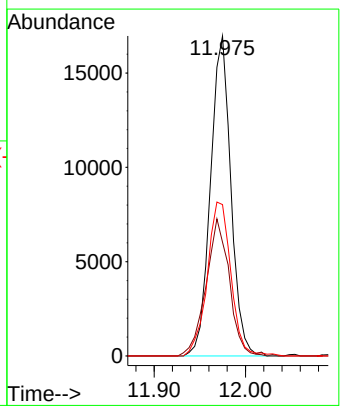


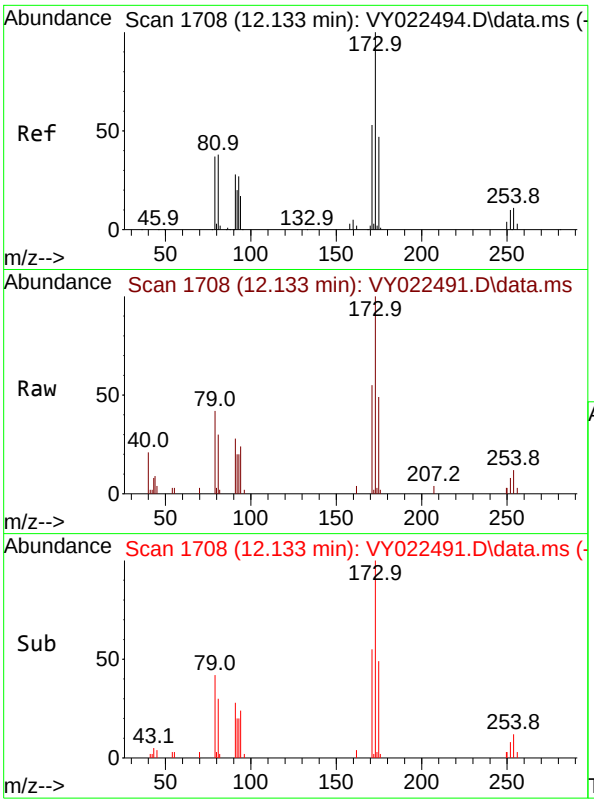


#70
Styrene
Concen: 3.840 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:104 Resp: 26313

Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.5	59.3
103	55.8	44.1	66.1



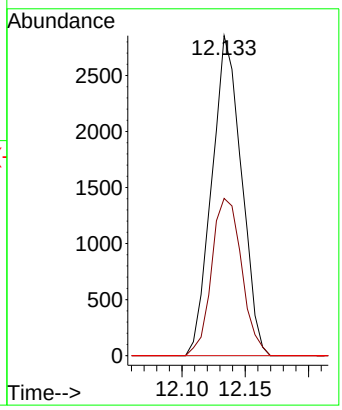


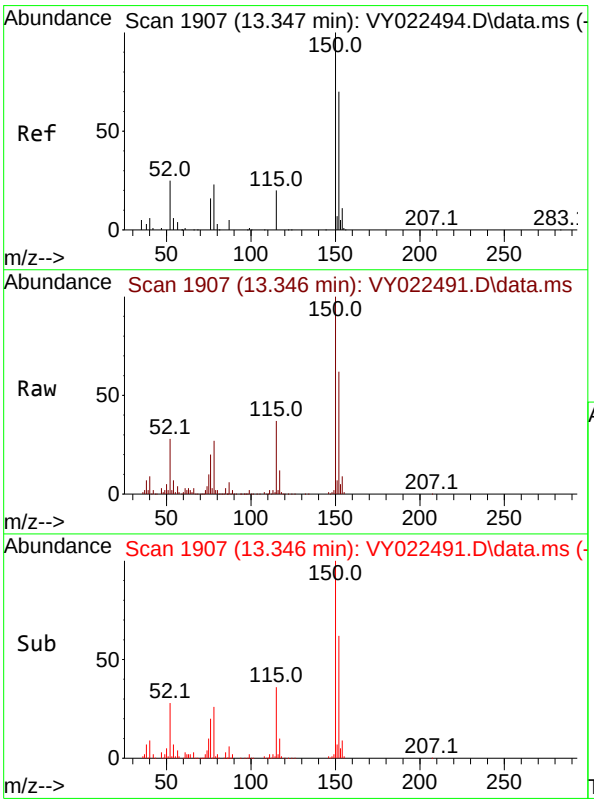
#71
Bromoform
Concen: 4.159 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 4649

Ion	Ratio	Lower	Upper
173	100		
175	49.9	23.8	71.5
254	0.0	0.0	0.0

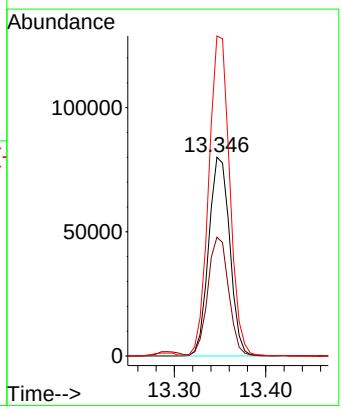


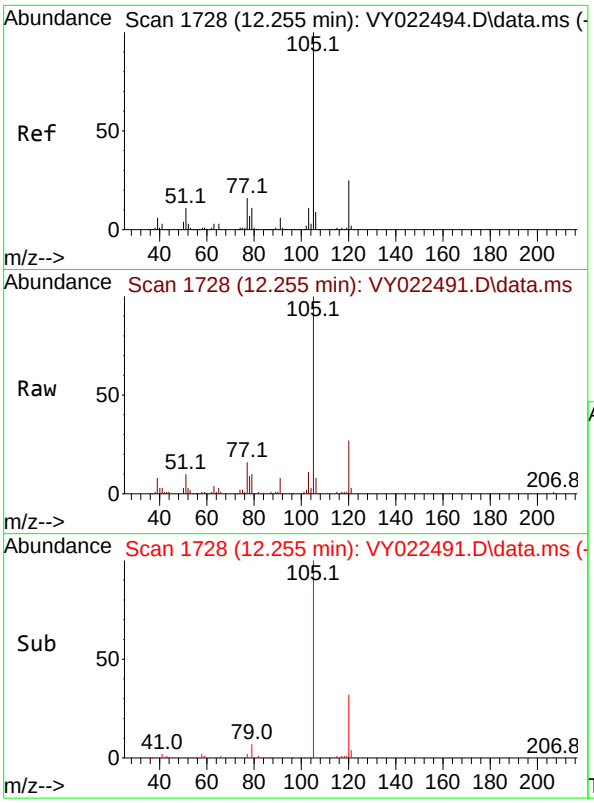


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:152 Resp: 127807

Ion	Ratio	Lower	Upper
152	100		
115	59.2	28.9	86.7
150	160.5	0.0	349.6



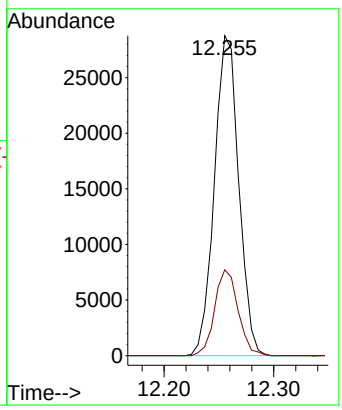


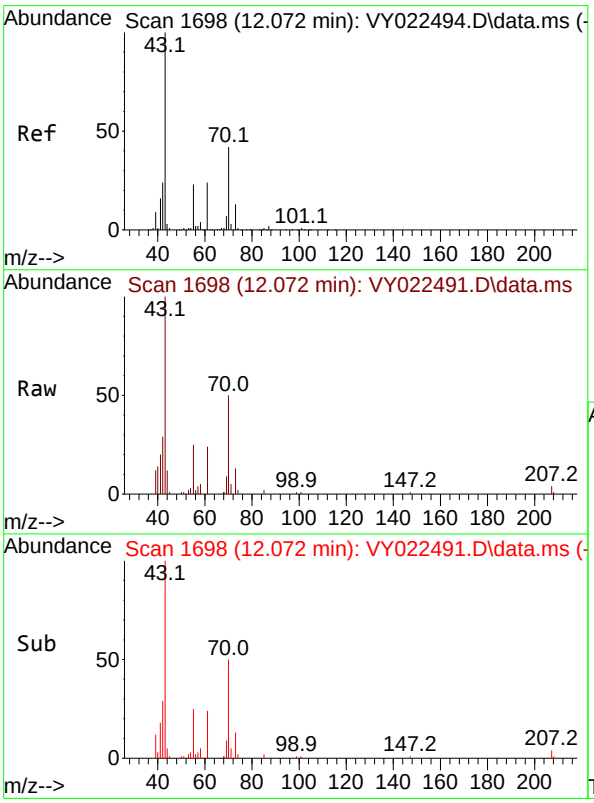
#73
Isopropylbenzene
Concen: 4.307 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 44350

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	38.9

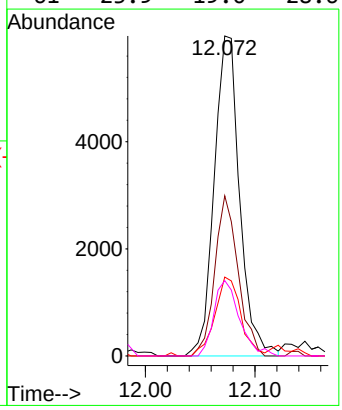


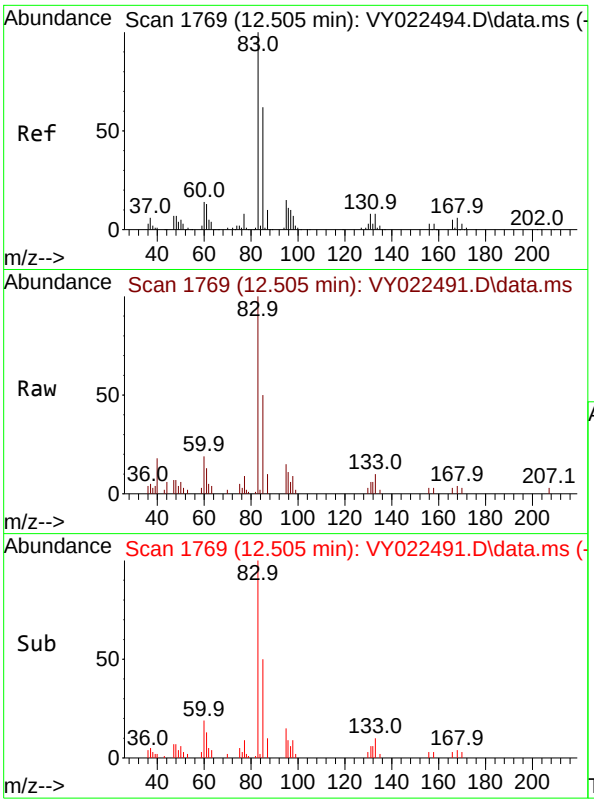


#74
N-amyl acetate
Concen: 3.699 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 43 Resp: 9632

Ion	Ratio	Lower	Upper
43	100		
70	45.9	34.2	51.2
55	25.1	18.2	27.4
61	23.9	19.0	28.6



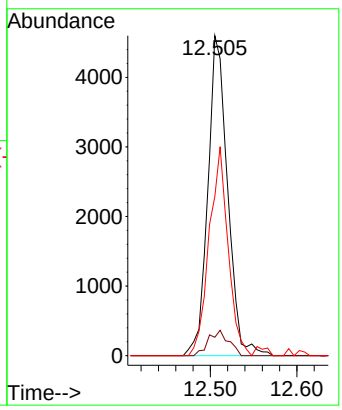


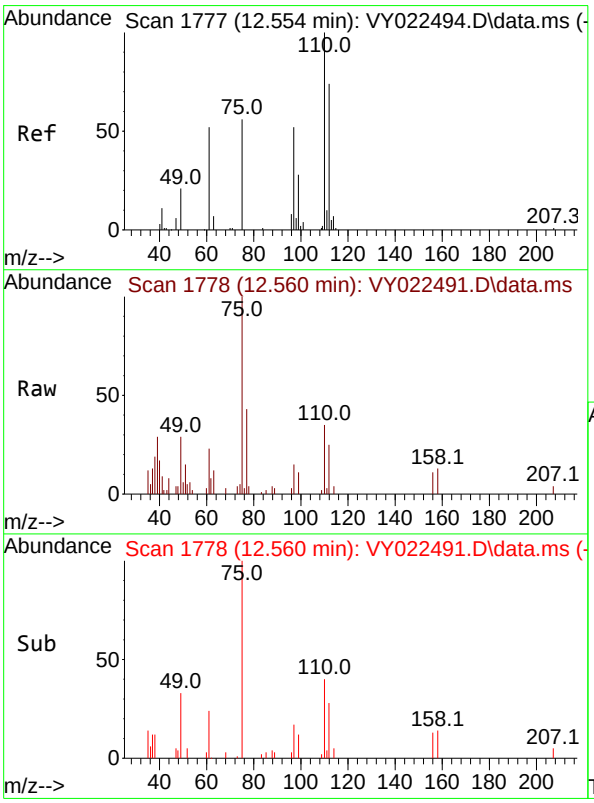
#75
1,1,2,2-Tetrachloroethane
Concen: 4.359 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 7289

Ion	Ratio	Lower	Upper
83	100		
131	8.1	4.9	14.7
85	62.4	32.6	97.8

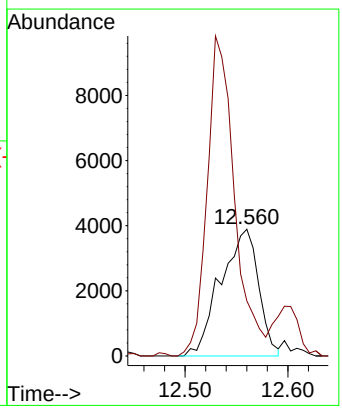


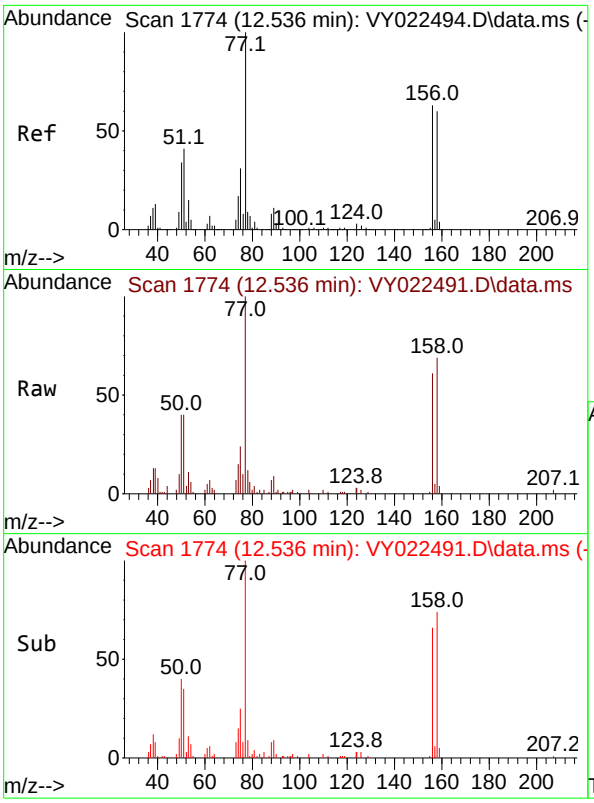


#76
1,2,3-Trichloropropane
Concen: 5.920 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 75 Resp: 9988

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



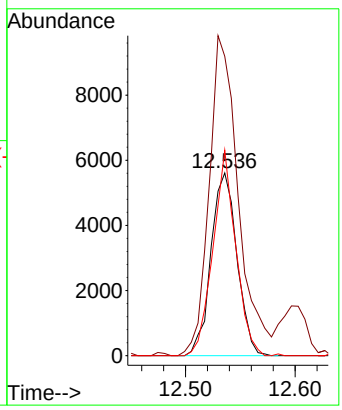


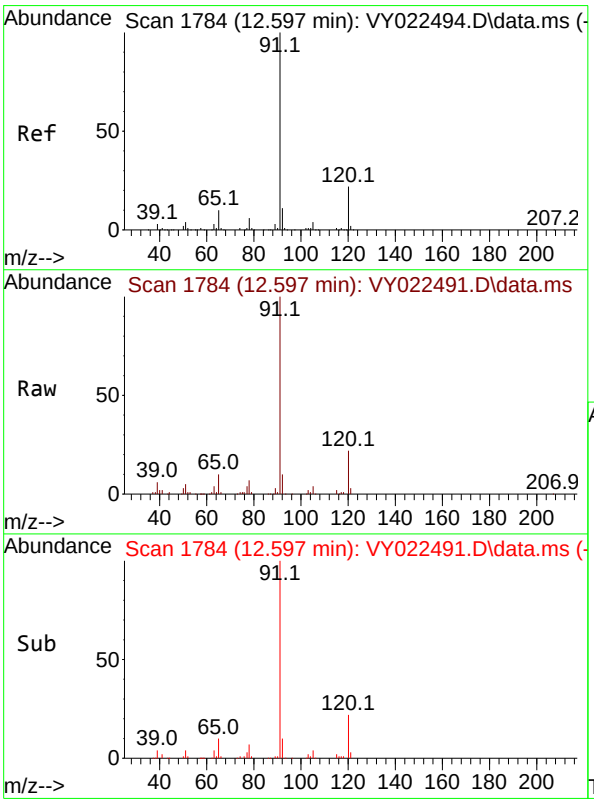
#77
Bromobenzene
Concen: 4.234 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 9241

Ion	Ratio	Lower	Upper
156	100		
77	196.5	94.0	282.1
158	98.9	48.2	144.6

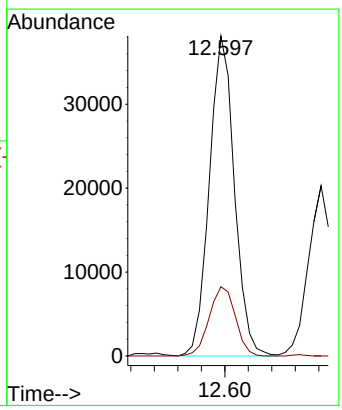


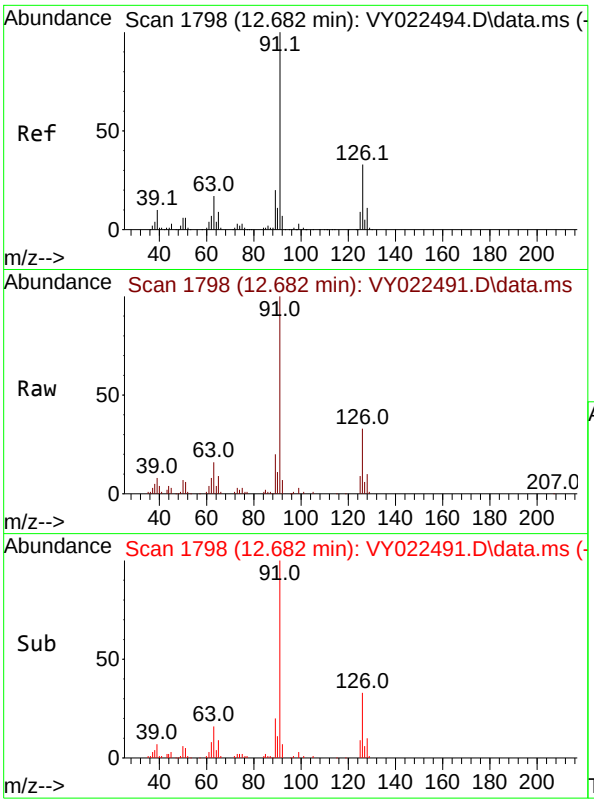


#78
n-propylbenzene
Concen: 4.511 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 91 Resp: 56543

Ion	Ratio	Lower	Upper
91	100		
120	22.5	10.8	32.4



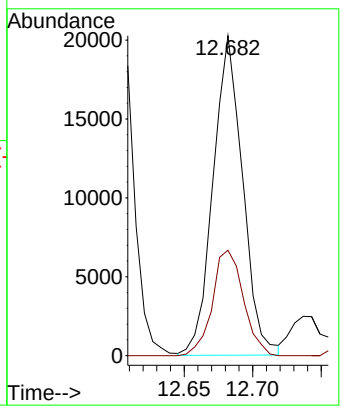


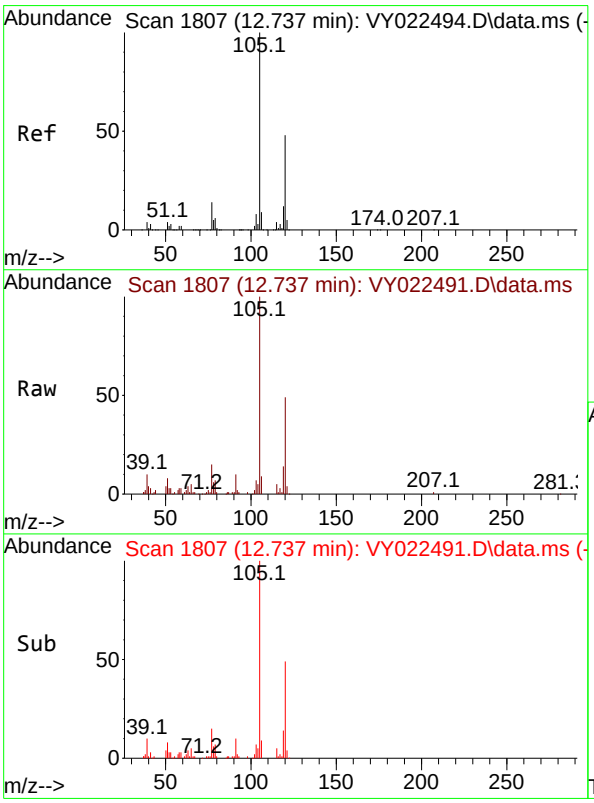
#79
2-Chlorotoluene
Concen: 4.591 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 30387

Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.0	51.0

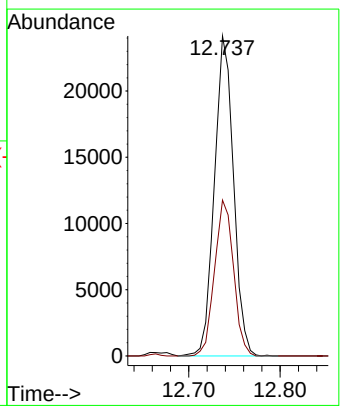


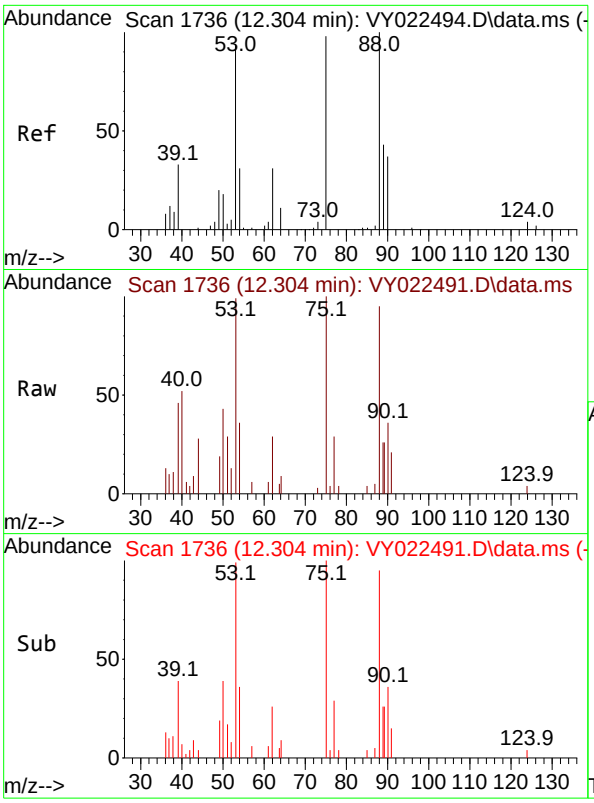


#80
1,3,5-Trimethylbenzene
Concen: 4.362 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:105 Resp: 35122

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.1	72.4



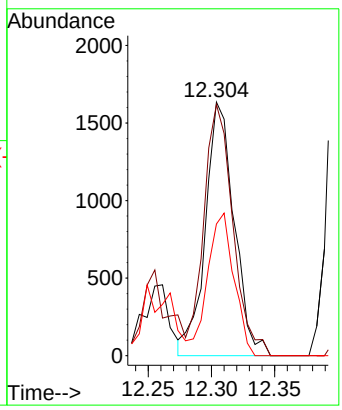


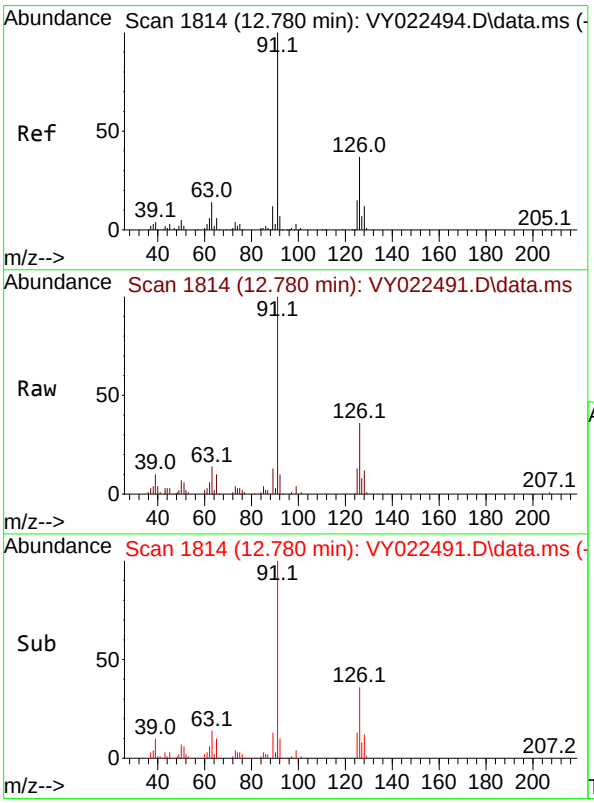
#81
trans-1,4-Dichloro-2-butene
Concen: 4.411 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 2596

Ion	Ratio	Lower	Upper
75	100		
53	99.3	78.5	117.7
89	51.7	35.7	53.5

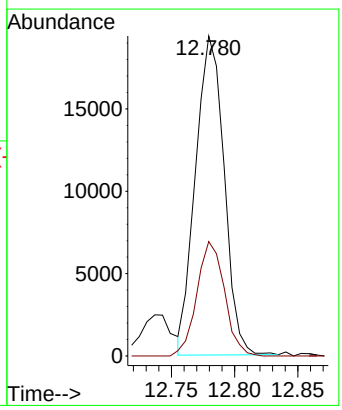


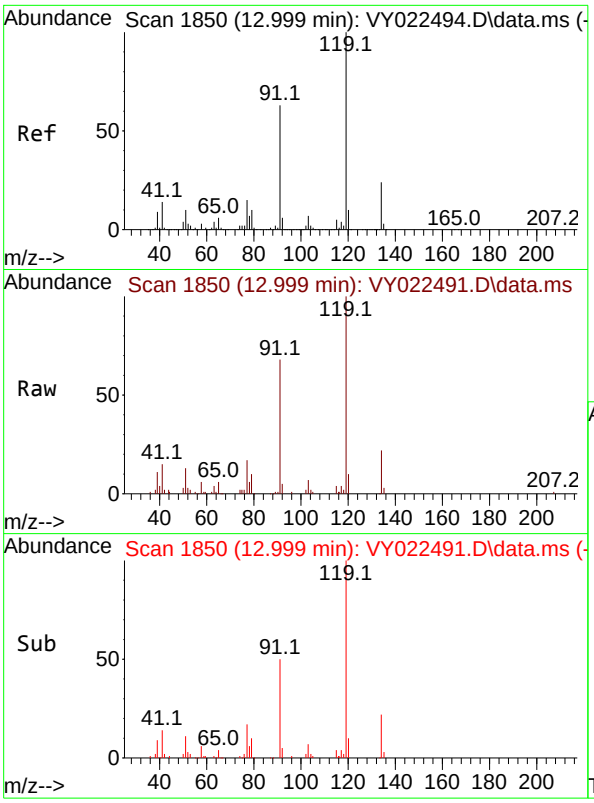


#82
4-Chlorotoluene
Concen: 4.447 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 91 Resp: 30501

Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.0	50.9



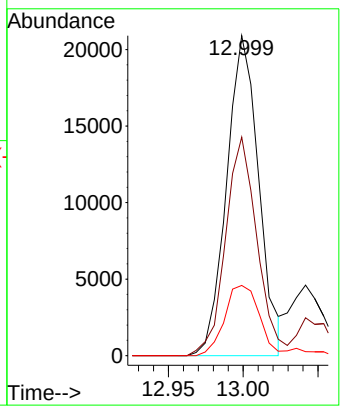


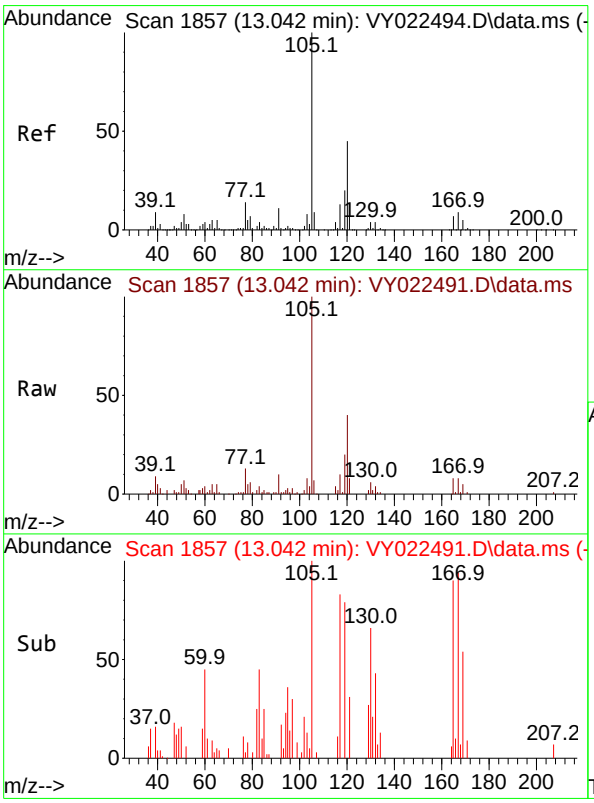
#83
tert-Butylbenzene
Concen: 4.252 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 31232

Ion	Ratio	Lower	Upper
119	100		
91	67.0	32.1	96.3
134	23.9	13.0	38.9

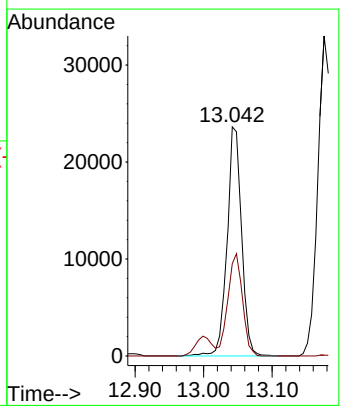


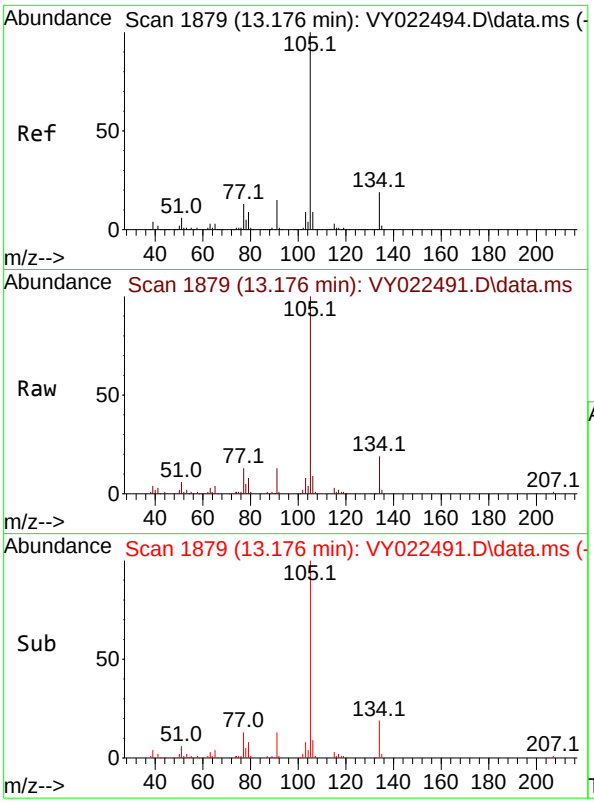


#84
1,2,4-Trimethylbenzene
Concen: 4.314 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:105 Resp: 34752

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.7	68.1



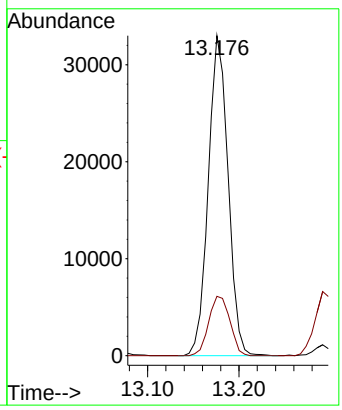


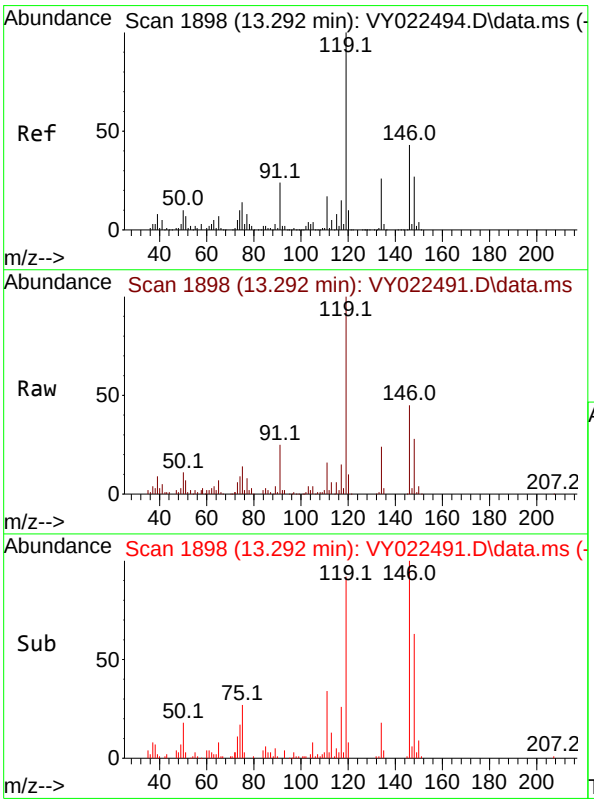
#85
sec-Butylbenzene
Concen: 4.449 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 49546

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.7	28.9

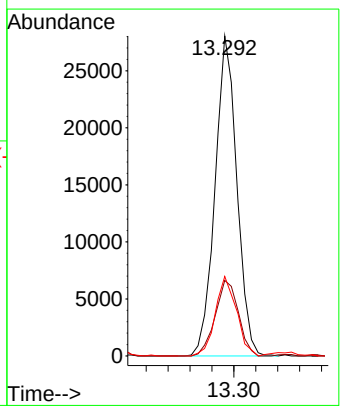


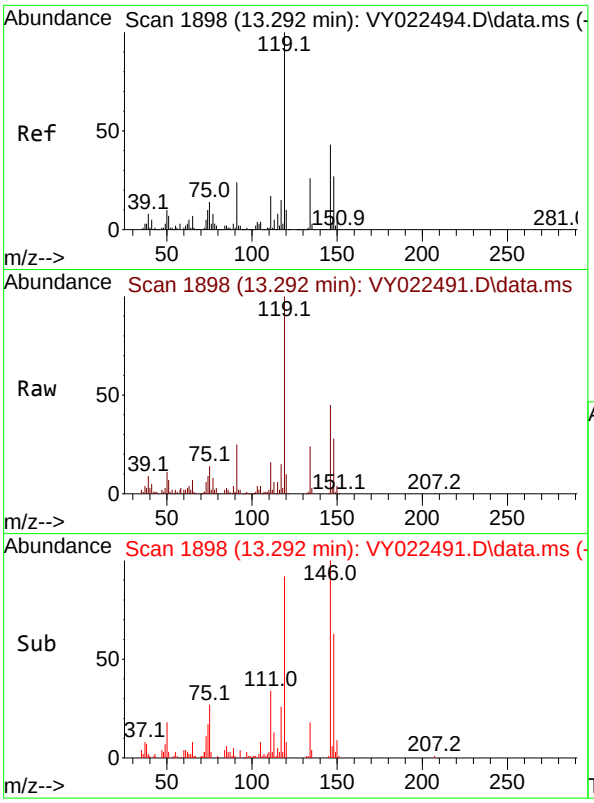


#86
p-Isopropyltoluene
Concen: 4.240 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:119 Resp: 38822

Ion	Ratio	Lower	Upper
119	100		
134	25.0	13.1	39.1
91	24.2	11.6	34.8



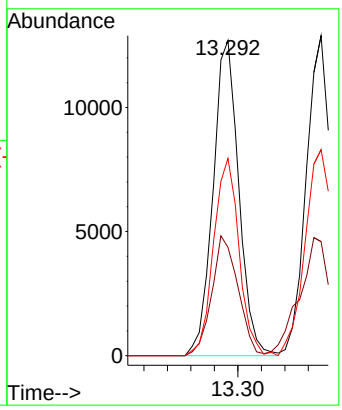


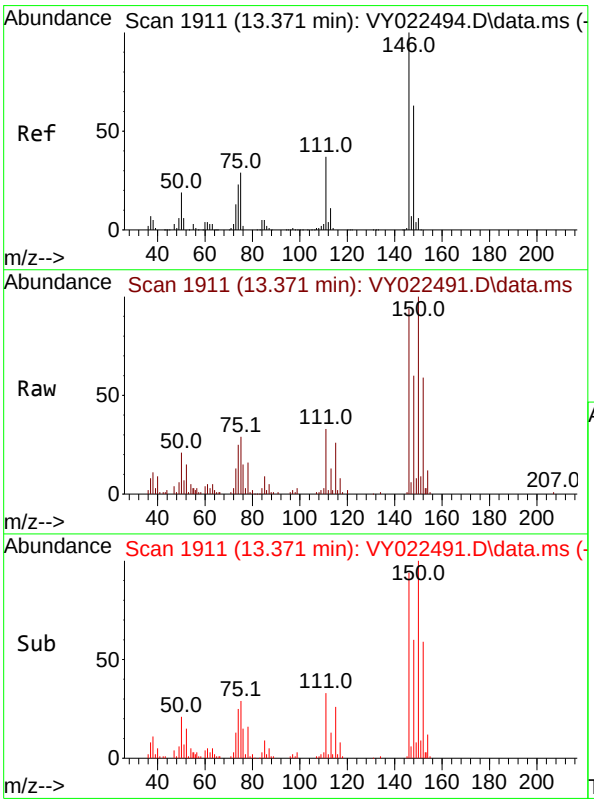
#87
1,3-Dichlorobenzene
Concen: 4.431 ug/l
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 19350

Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.1	60.2
148	61.9	32.1	96.3

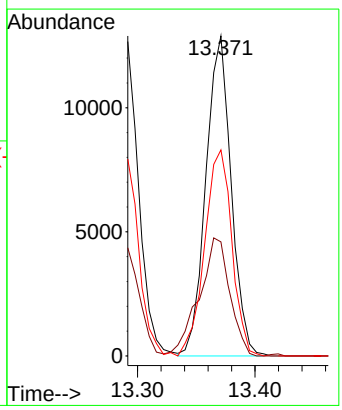


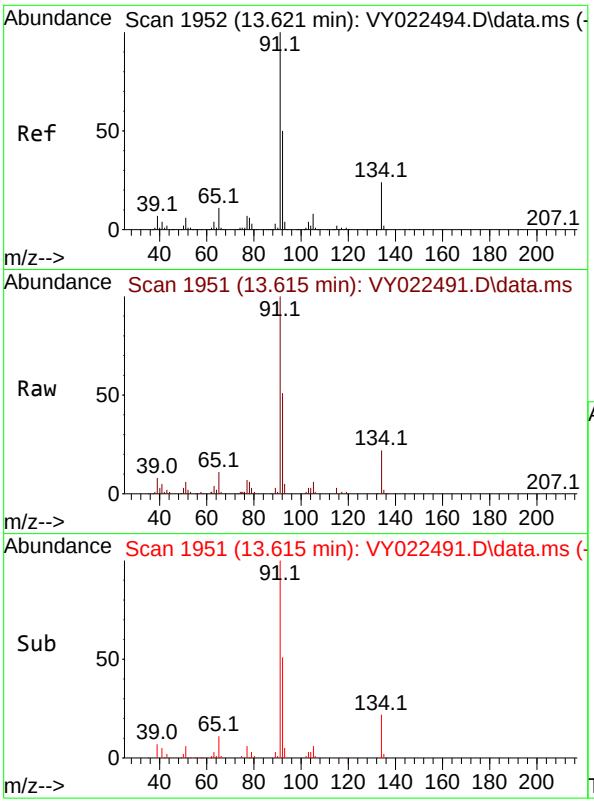


#88
1,4-Dichlorobenzene
Concen: 4.529 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:146 Resp: 19268

Ion	Ratio	Lower	Upper
146	100		
111	44.9	19.4	58.2
148	69.5	31.6	94.8



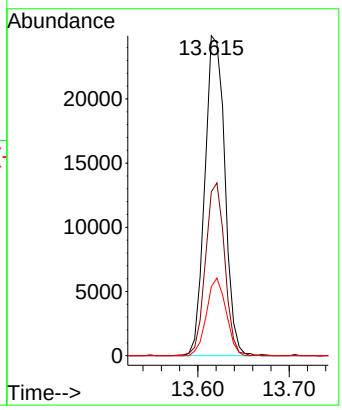


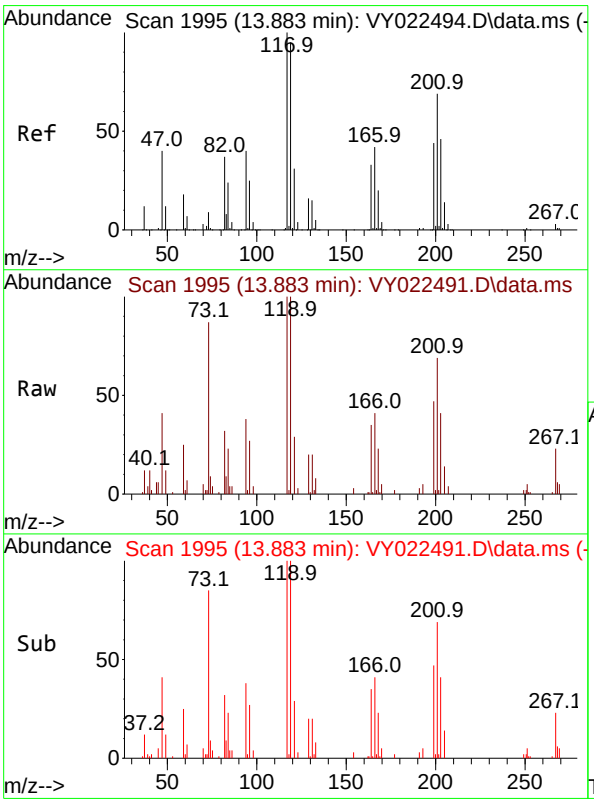
#89
n-Butylbenzene
Concen: 4.333 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 37774

Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.9	77.8
134	23.8	12.0	36.1

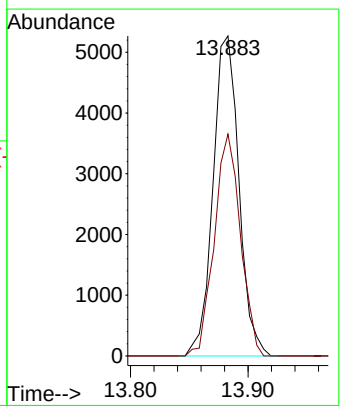


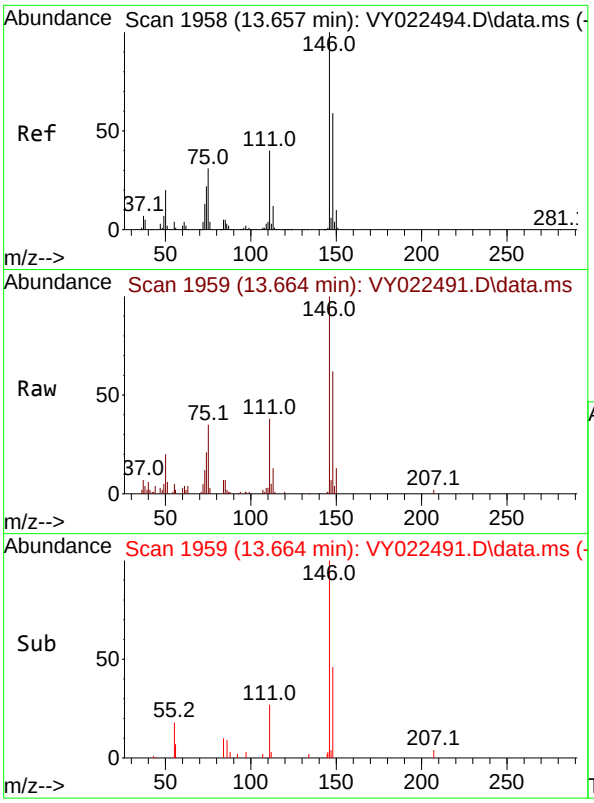


#90
Hexachloroethane
Concen: 4.506 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:117 Resp: 8072

Ion	Ratio	Lower	Upper
117	100		
201	69.9	34.0	102.0



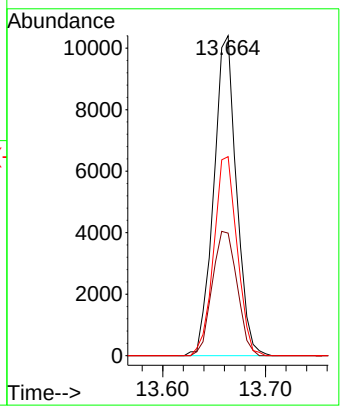


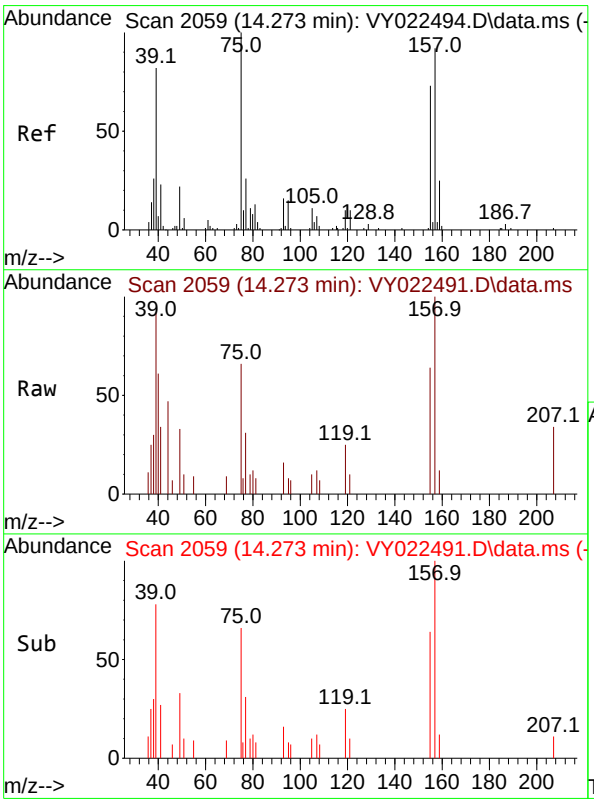
#91
1,2-Dichlorobenzene
Concen: 4.244 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 15922

Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.2	60.6
148	64.0	31.4	94.0

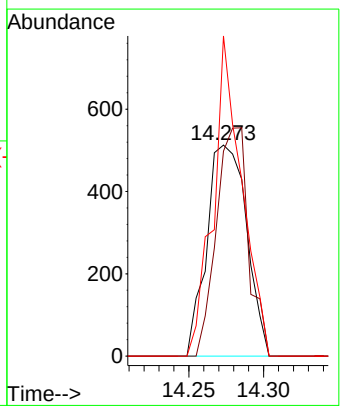


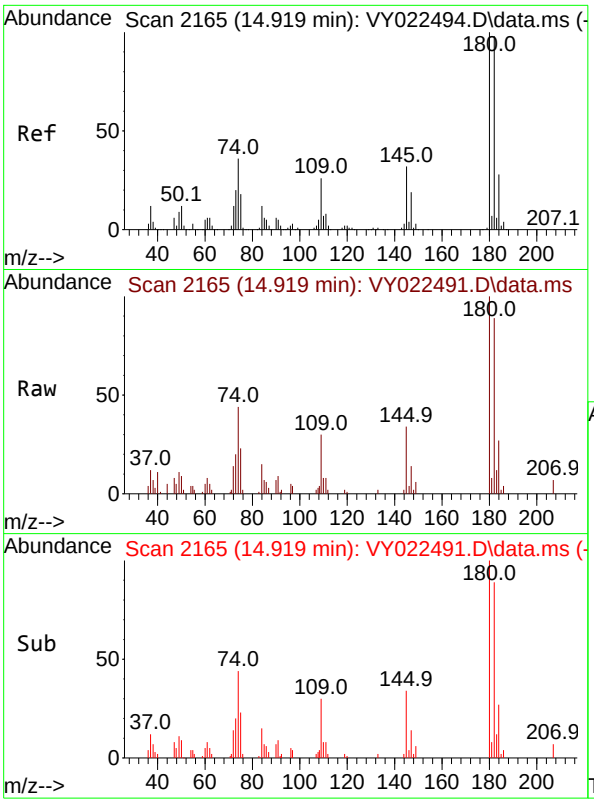


#92
1,2-Dibromo-3-Chloropropane
Concen: 3.754 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion: 75 Resp: 949

Ion	Ratio	Lower	Upper
75	100		
155	87.0	39.9	119.6
157	109.5	54.0	162.0



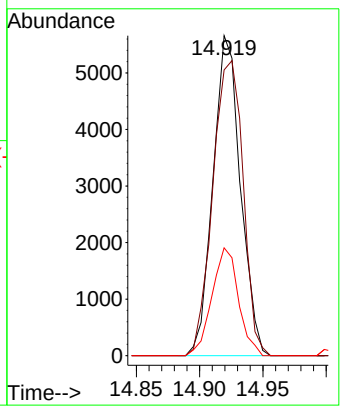


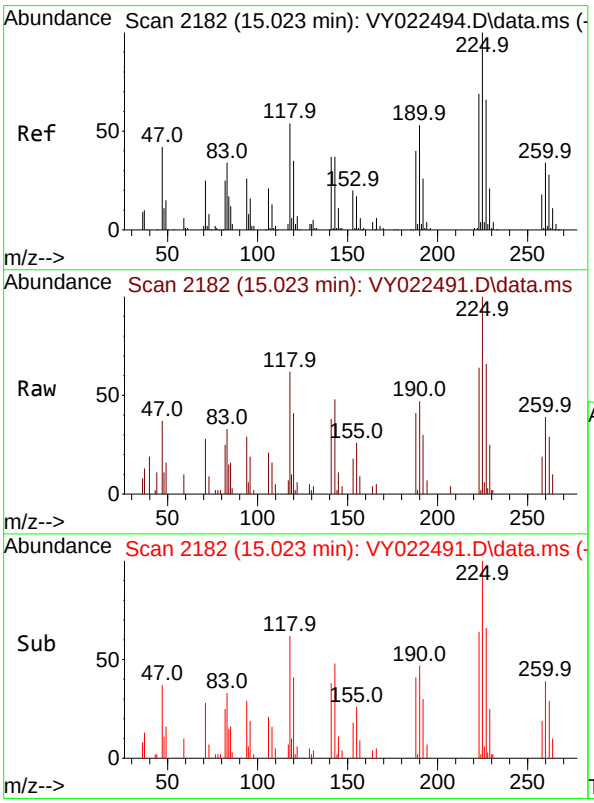
#93
1,2,4-Trichlorobenzene
Concen: 4.159 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 8529

Ion	Ratio	Lower	Upper
180	100		
182	101.9	48.4	145.3
145	32.6	15.5	46.5

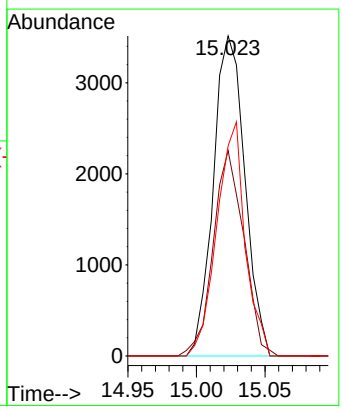


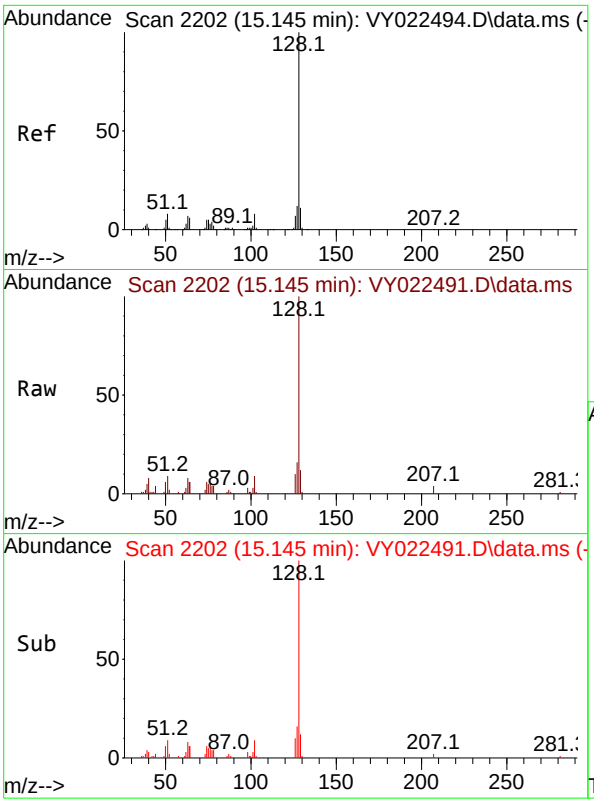


#94
Hexachlorobutadiene
Concen: 5.024 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:225 Resp: 5627

Ion	Ratio	Lower	Upper
225	100		
223	62.4	32.5	97.4
227	65.6	32.3	96.9



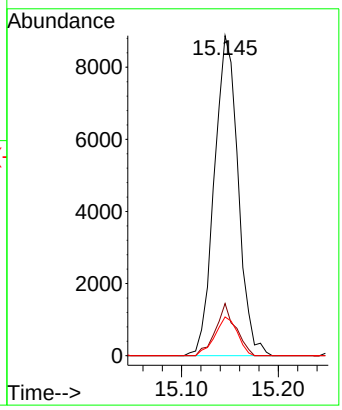


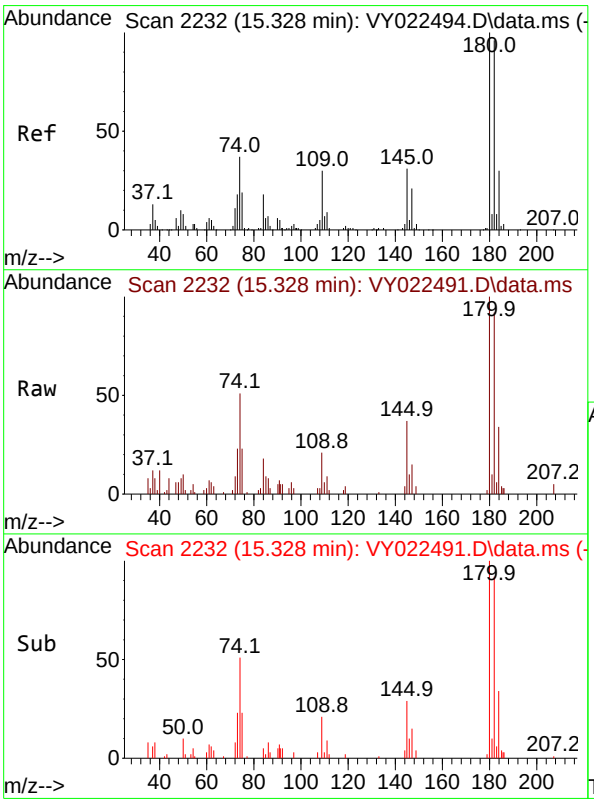
#95
Naphthalene
Concen: 3.859 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 15167

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.4	15.6
129	11.4	8.9	13.3

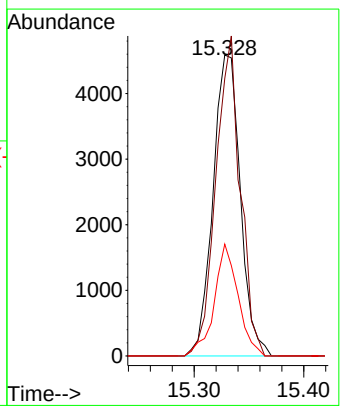




#96
1,2,3-Trichlorobenzene
Concen: 4.563 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022491.D
Acq: 02 Jun 2025 11:46

Tgt Ion:180 Resp: 7952

Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.1	141.3
145	32.5	15.2	45.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	211235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	366386	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	302825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	137338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	24246	10.549	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.100%#		
35) Dibromofluoromethane	7.646	113	20743	9.617	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.240%#		
50) Toluene-d8	10.109	98	86561	9.930	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.860%#		
62) 4-Bromofluorobenzene	12.408	95	24870	9.409	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.820%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	22911	12.412	ug/l	99
3) Chloromethane	2.068	50	67191	12.339	ug/l	99
4) Vinyl Chloride	2.202	62	76656	12.027	ug/l	97
5) Bromomethane	2.598	94	73289	12.157	ug/l	99
6) Chloroethane	2.739	64	53992	12.374	ug/l	99
7) Trichlorofluoromethane	3.056	101	63044	11.642	ug/l	97
8) Diethyl Ether	3.458	74	14144	11.826	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.824	101	25997	11.445	ug/l	99
10) Methyl Iodide	4.007	142	25590	10.505	ug/l	99
11) Tert butyl alcohol	4.891	59	9732	59.275	ug/l #	73
12) 1,1-Dichloroethene	3.799	96	24370	11.240	ug/l	99
13) Acrolein	3.671	56	9650	48.151	ug/l	94
14) Allyl chloride	4.391	41	38482	11.389	ug/l	95
15) Acrylonitrile	5.073	53	29150	57.299	ug/l	99
16) Acetone	3.885	43	25066	55.166	ug/l	98
17) Carbon Disulfide	4.110	76	79008	11.413	ug/l	99
18) Methyl Acetate	4.397	43	17228	12.603	ug/l	97
19) Methyl tert-butyl Ether	5.128	73	68336	11.296	ug/l	95
20) Methylene Chloride	4.622	84	29569	11.655	ug/l	96
21) trans-1,2-Dichloroethene	5.128	96	27493	11.350	ug/l	88
22) Diisopropyl ether	6.031	45	83814	11.156	ug/l	96
23) Vinyl Acetate	5.970	43	241364	54.152	ug/l	99
24) 1,1-Dichloroethane	5.927	63	50391	11.346	ug/l	96
25) 2-Butanone	6.909	43	36756	54.840	ug/l	95
26) 2,2-Dichloropropane	6.890	77	43605	11.045	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	30873	11.028	ug/l	99
28) Bromochloromethane	7.256	49	20132	10.491	ug/l	99
29) Tetrahydrofuran	7.274	42	25001	57.822	ug/l	97
30) Chloroform	7.427	83	49990	11.391	ug/l	89
31) Cyclohexane	7.707	56	51050	11.422	ug/l #	95
32) 1,1,1-Trichloroethane	7.628	97	43454	11.080	ug/l	97
36) 1,1-Dichloropropene	7.841	75	37532	10.765	ug/l	99
37) Ethyl Acetate	6.994	43	15914	10.371	ug/l #	93
38) Carbon Tetrachloride	7.829	117	37794	10.515	ug/l	100
39) Methylcyclohexane	9.115	83	49413	10.491	ug/l	97
40) Benzene	8.085	78	108934	10.600	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.268	41	24283	24.573	ug/l	#	34
42) 1,2-Dichloroethane	8.164	62	31102	11.125	ug/l		99
43) Isopropyl Acetate	8.201	43	36411	10.859	ug/l		97
44) Trichloroethene	8.865	130	28431	11.325	ug/l		91
45) 1,2-Dichloropropane	9.146	63	26665	10.884	ug/l		97
47) Bromodichloromethane	9.426	83	38475	11.048	ug/l		96
48) Methyl methacrylate	9.225	41	16122	10.501	ug/l		98
49) 1,4-Dioxane	9.243	88	3535	215.881	ug/l		97
51) 4-Methyl-2-Pentanone	9.999	43	88634	53.259	ug/l		100
52) Toluene	10.176	92	68265	10.565	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	34307	10.649	ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	40229	10.649	ug/l		98
55) 1,1,2-Trichloroethane	10.579	97	18848	10.904	ug/l		94
56) Ethyl methacrylate	10.444	69	26171	10.426	ug/l		97
57) 1,3-Dichloropropane	10.719	76	33836	10.991	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	52396	46.819	ug/l		99
59) 2-Hexanone	10.761	43	57738	52.045	ug/l		100
60) Dibromochloromethane	10.914	129	23423	10.694	ug/l		99
61) 1,2-Dibromoethane	11.018	107	17302	10.847	ug/l		96
64) Tetrachloroethene	10.652	164	28680	11.144	ug/l		97
65) Chlorobenzene	11.444	112	70845	10.789	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	23209	10.427	ug/l		96
67) Ethyl Benzene	11.524	91	126556	10.350	ug/l		100
68) m/p-Xylenes	11.633	106	94535	20.427	ug/l		99
69) o-Xylene	11.956	106	45374	10.476	ug/l		99
70) Styrene	11.975	104	72373	10.092	ug/l		98
71) Bromoform	12.133	173	12637	10.804	ug/l	#	99
73) Isopropylbenzene	12.255	105	118344	10.695	ug/l		99
74) N-amyl acetate	12.072	43	29609	10.581	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	20264	11.276	ug/l		96
76) 1,2,3-Trichloropropane	12.560	75	27698	15.277	ug/l	#	100
77) Bromobenzene	12.536	156	25392	10.827	ug/l		98
78) n-propylbenzene	12.597	91	143414	10.648	ug/l		100
79) 2-Chlorotoluene	12.682	91	75325	10.591	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	91121	10.532	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	7009	11.084	ug/l		96
82) 4-Chlorotoluene	12.779	91	78689	10.676	ug/l		100
83) tert-Butylbenzene	12.999	119	81823	10.367	ug/l		97
84) 1,2,4-Trimethylbenzene	13.048	105	90848	10.495	ug/l		98
85) sec-Butylbenzene	13.176	105	127776	10.678	ug/l		100
86) p-Isopropyltoluene	13.291	119	99940	10.158	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	48971	10.437	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	49834	10.900	ug/l		98
89) n-Butylbenzene	13.621	91	97544	10.413	ug/l		99
90) Hexachloroethane	13.877	117	20466	10.631	ug/l		96
91) 1,2-Dichlorobenzene	13.663	146	43460	10.781	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3014	11.095	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	23710	10.760	ug/l		98
94) Hexachlorobutadiene	15.023	225	13179	10.951	ug/l		99
95) Naphthalene	15.145	128	44061	10.434	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	19814	10.581	ug/l		96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

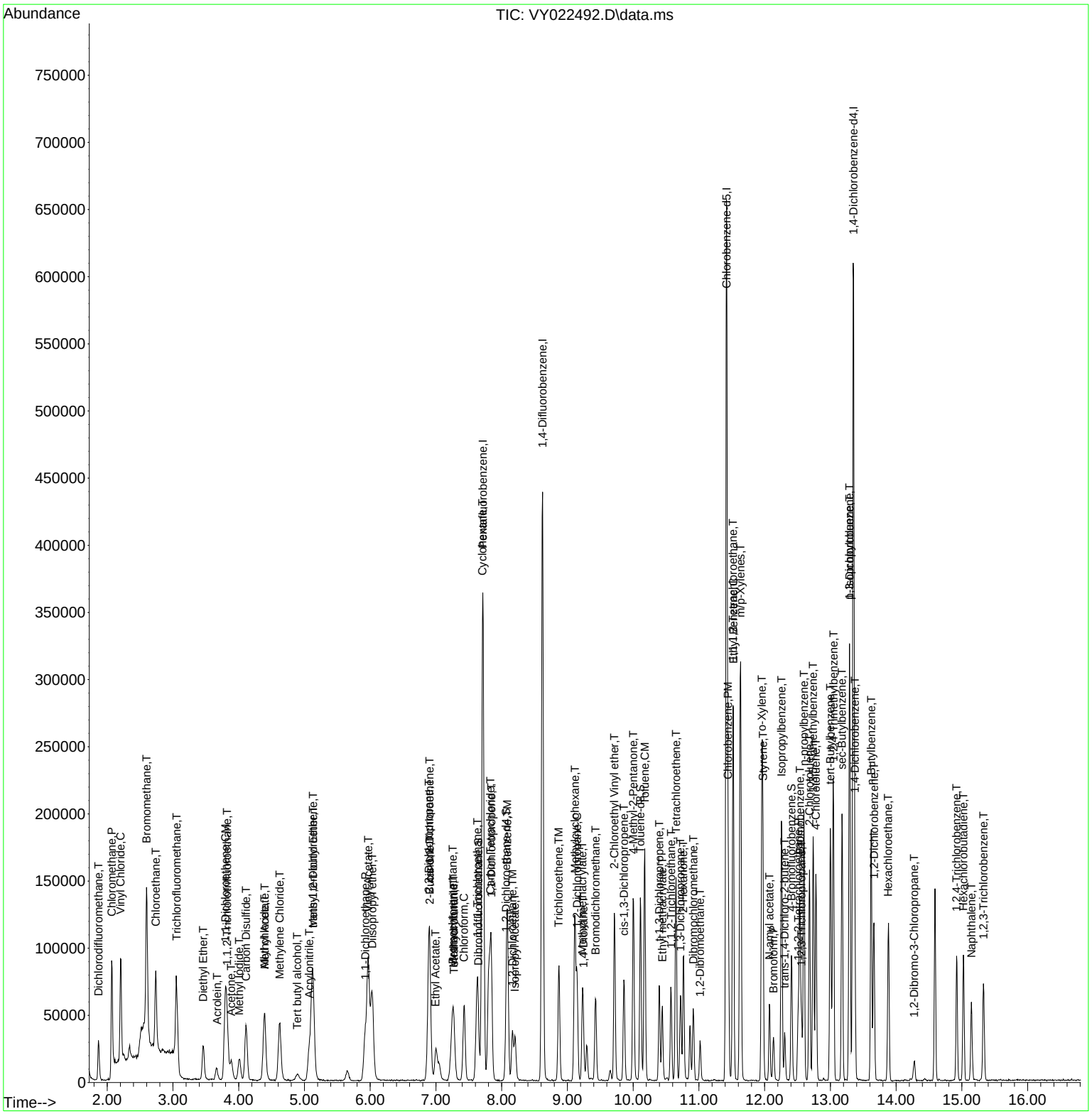
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

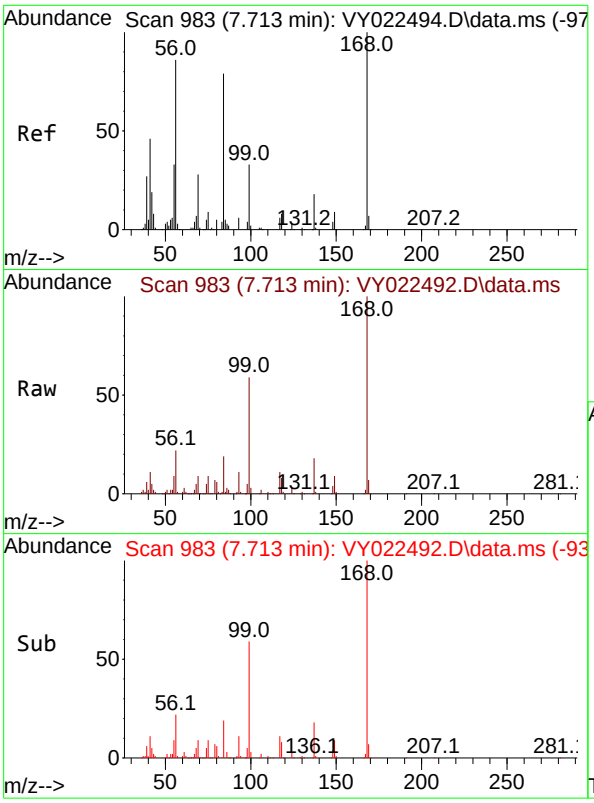
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022492.D
Acq On : 02 Jun 2025 12:09
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Jun 03 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration



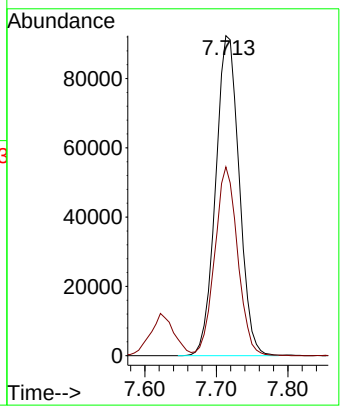


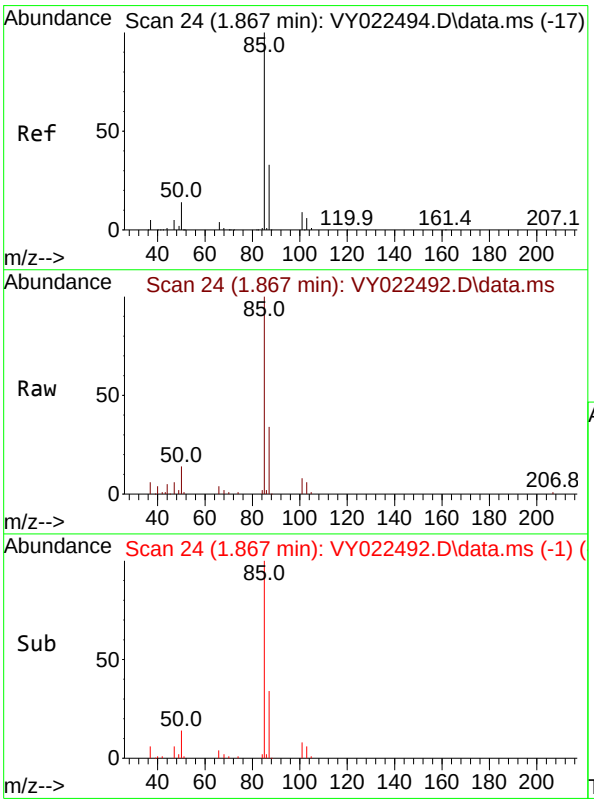
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 211235

Ion	Ratio	Lower	Upper
168	100		
99	58.9	44.3	66.5

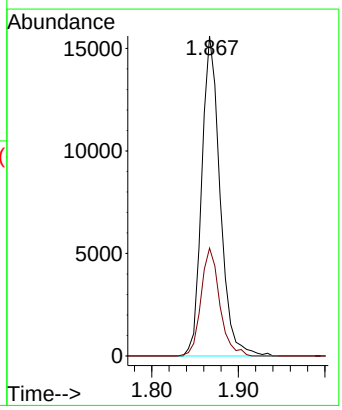


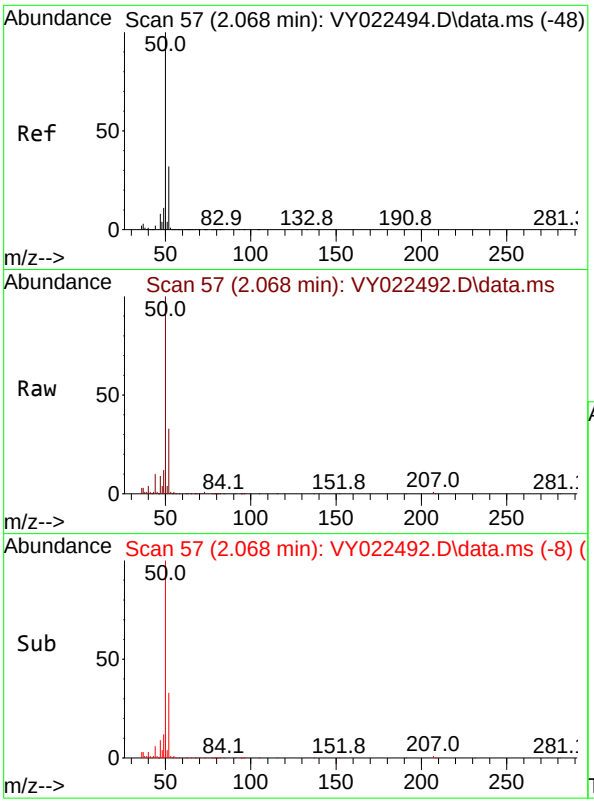


#2
Dichlorodifluoromethane
Concen: 12.412 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 85 Resp: 22911

Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.7	50.0



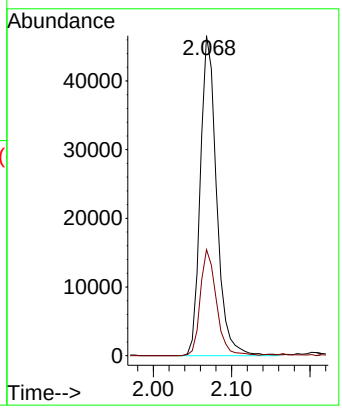


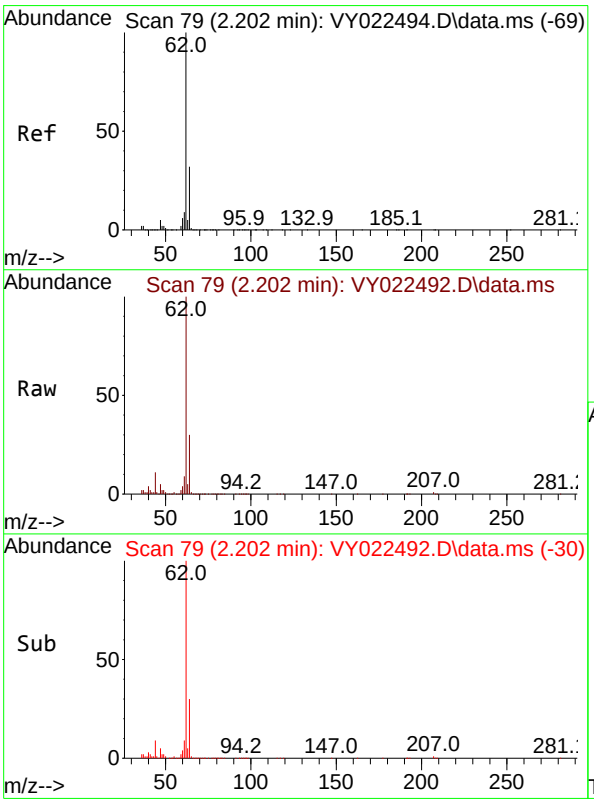
#3
Chloromethane
Concen: 12.339 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 67191

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.0	39.0

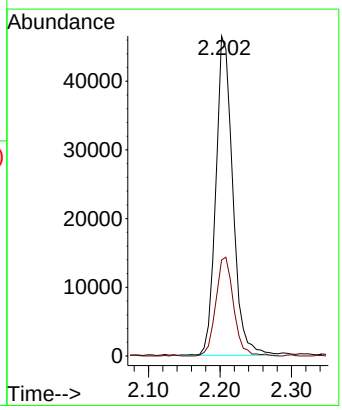


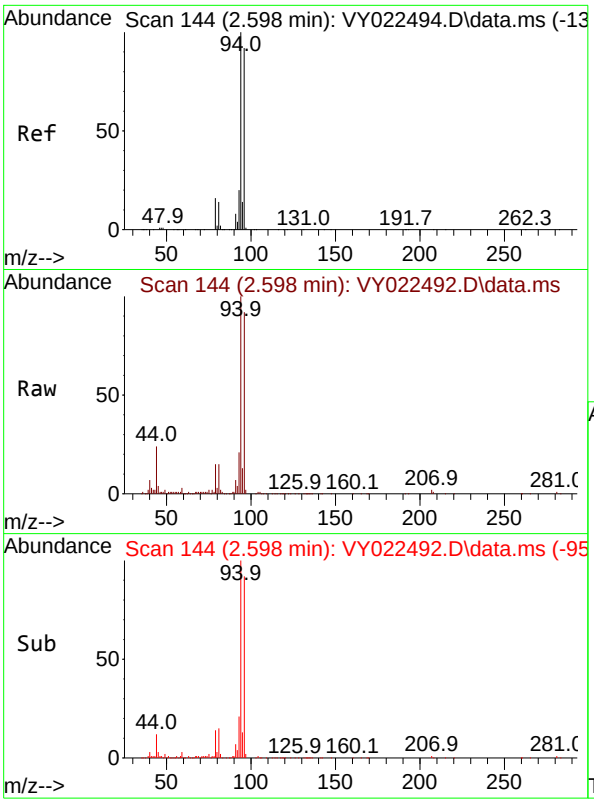


#4
Vinyl Chloride
Concen: 12.027 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 62 Resp: 76656

Ion	Ratio	Lower	Upper
62	100		
64	30.1	25.3	37.9



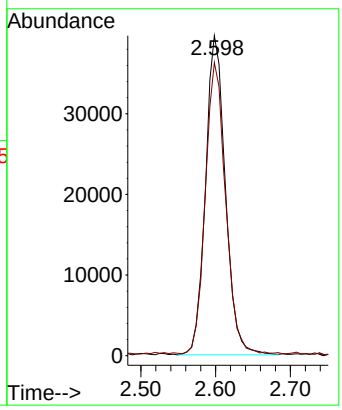


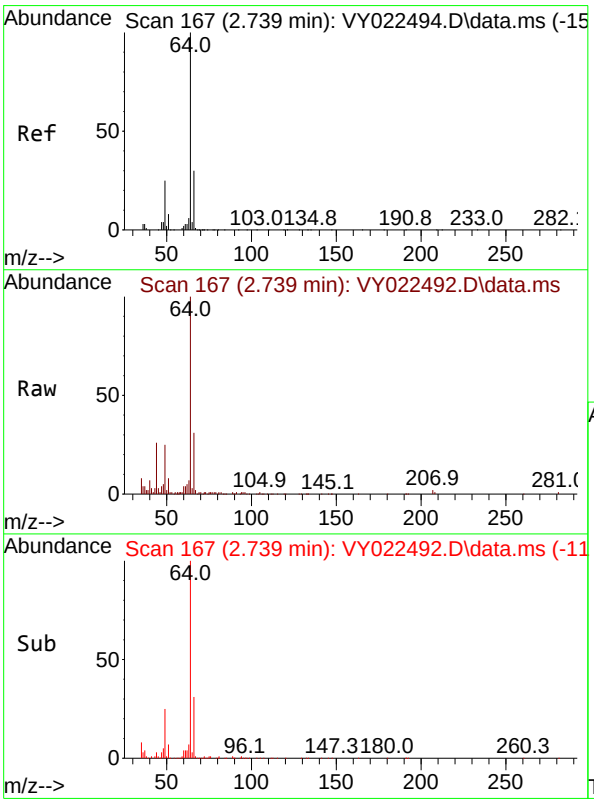
#5
Bromomethane
Concen: 12.157 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 73289

Ion	Ratio	Lower	Upper
94	100		
96	91.1	74.0	111.0

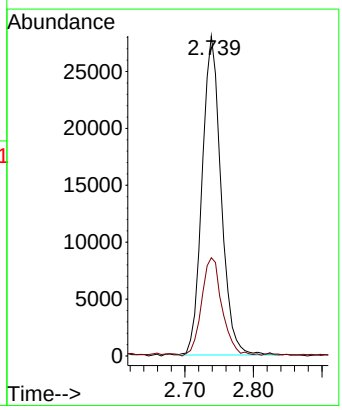


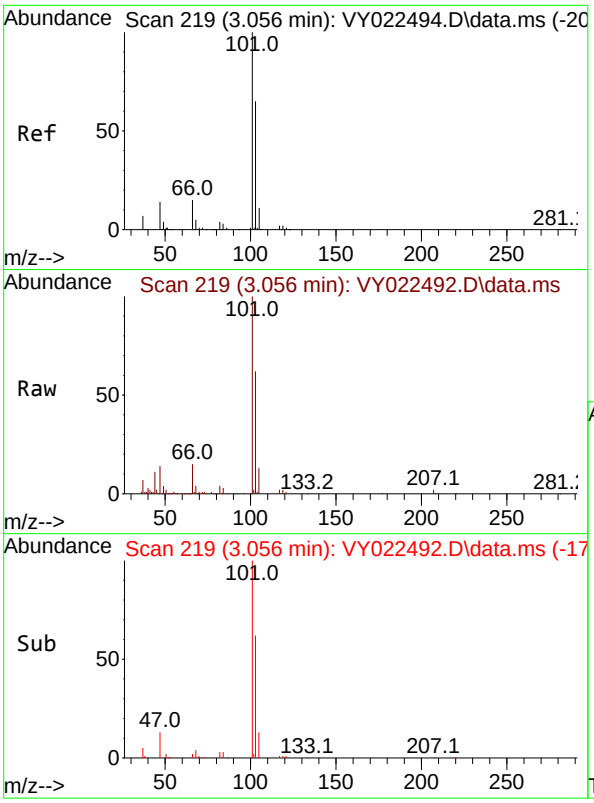


#6
Chloroethane
Concen: 12.374 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 64 Resp: 53992

Ion	Ratio	Lower	Upper
64	100		
66	30.3	23.8	35.6



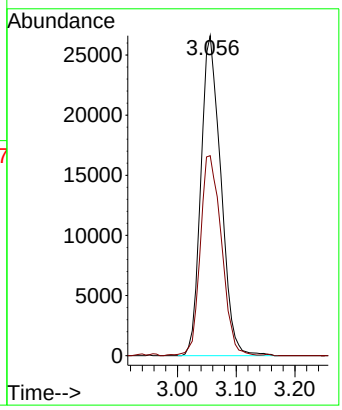


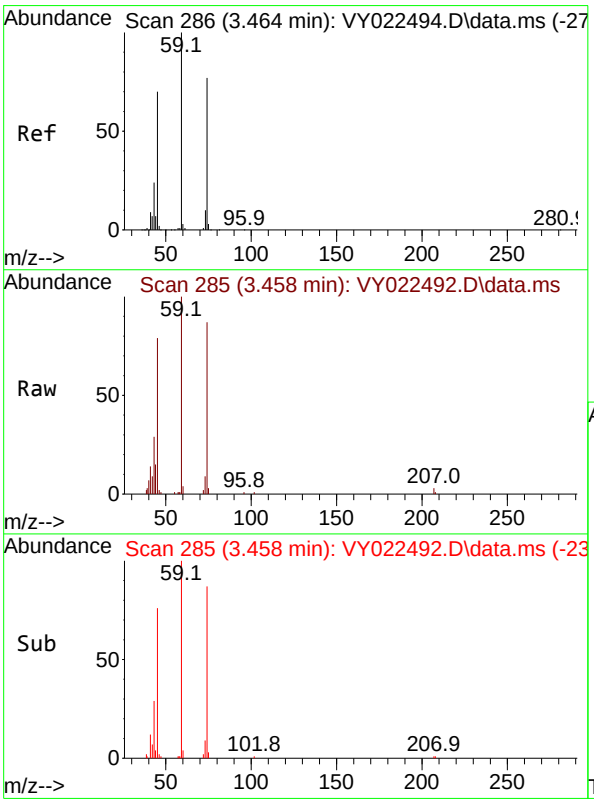
#7
Trichlorofluoromethane
Concen: 11.642 ug/l
RT: 3.056 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 63044

Ion	Ratio	Lower	Upper
101	100		
103	62.5	52.2	78.2

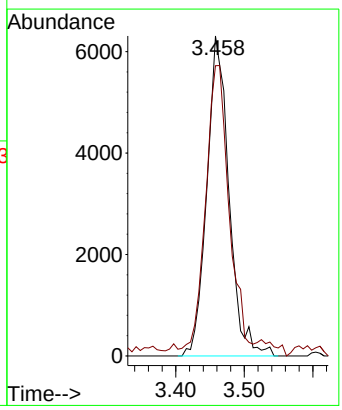


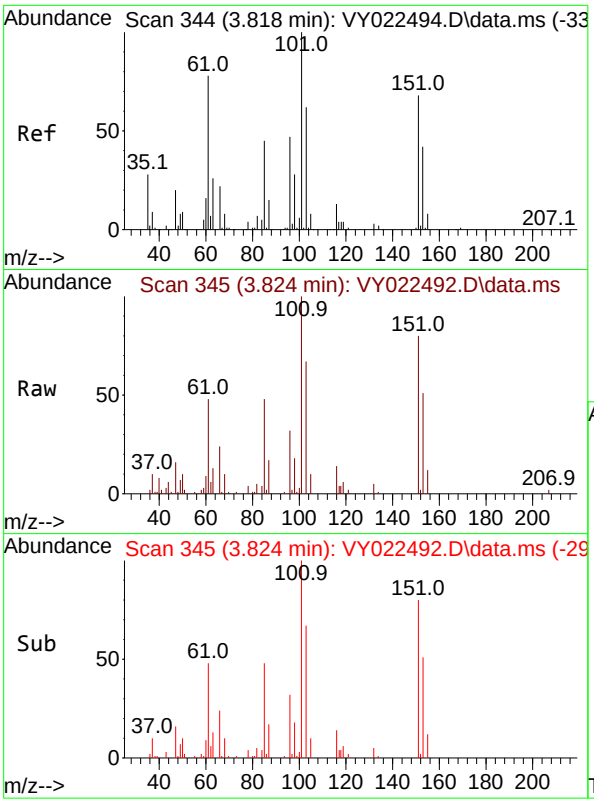


#8
Diethyl Ether
Concen: 11.826 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 74 Resp: 14144

Ion	Ratio	Lower	Upper
74	100		
45	91.9	45.9	137.6



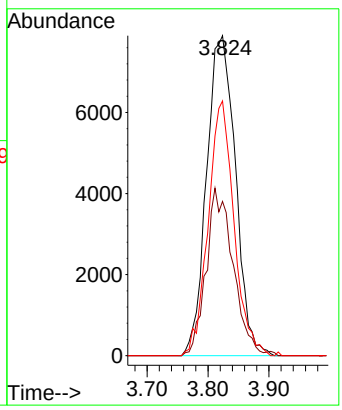


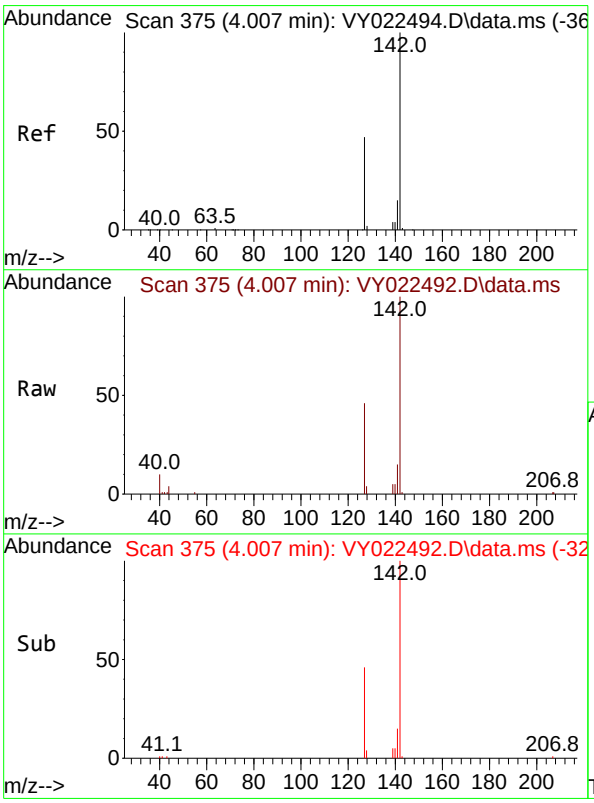
#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.445 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 25997

Ion	Ratio	Lower	Upper
101	100		
85	48.6	39.3	58.9
151	71.3	57.8	86.8

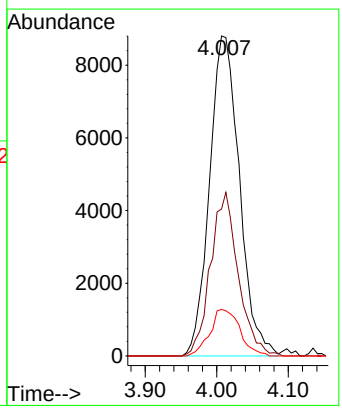


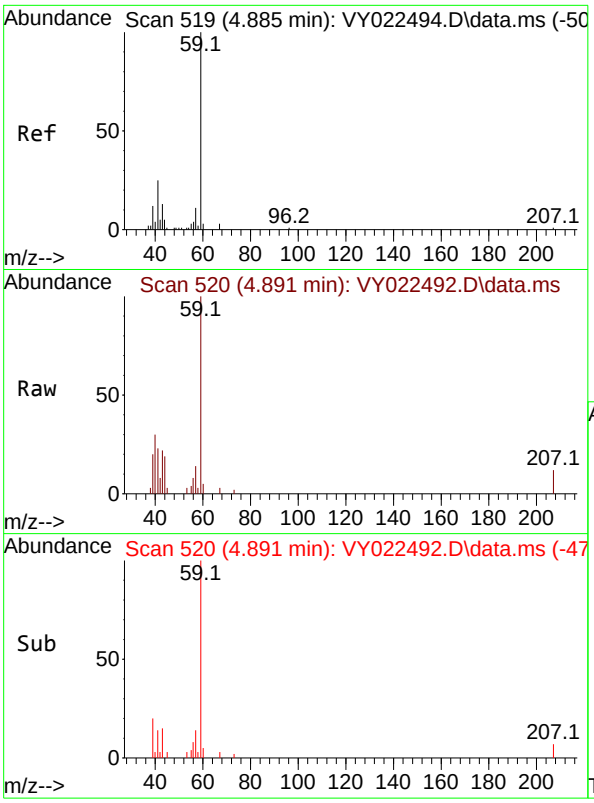


#10
Methyl Iodide
Concen: 10.505 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:142 Resp: 25590

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.1	55.7
141	14.6	11.4	17.2



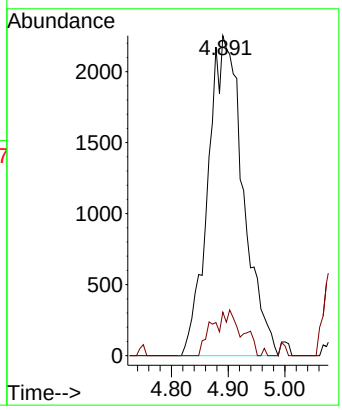


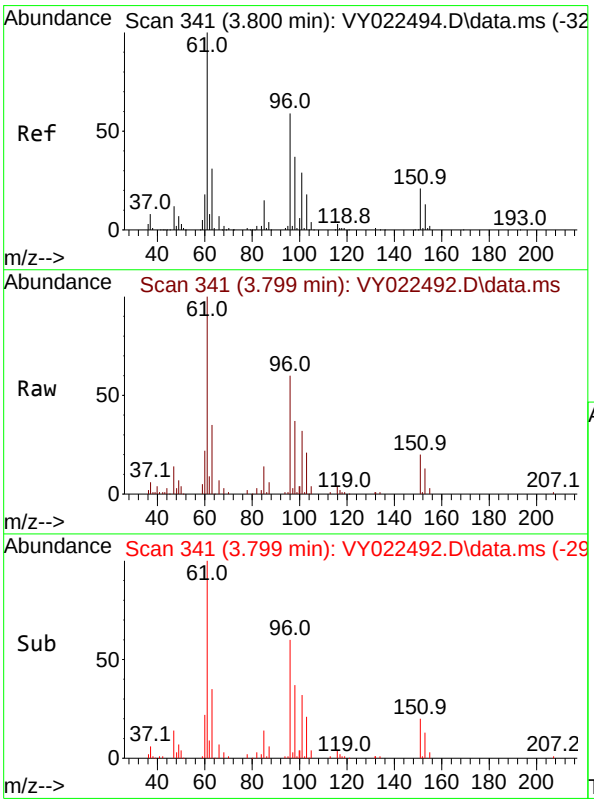
#11
Tert butyl alcohol
Concen: 59.275 ug/l
RT: 4.891 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 59 Resp: 9732

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.0	12.0#

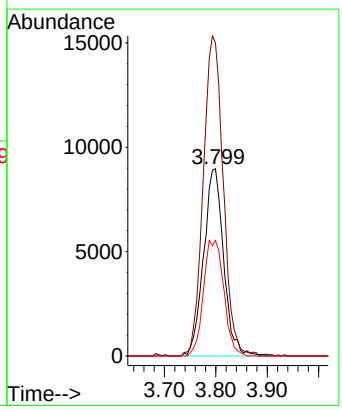


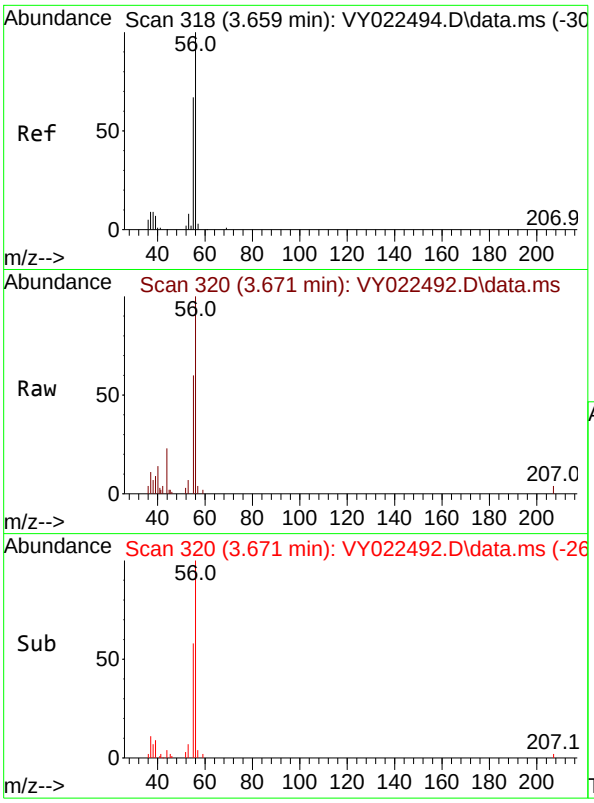


#12
1,1-Dichloroethene
Concen: 11.240 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 96 Resp: 24370

Ion	Ratio	Lower	Upper
96	100		
61	167.3	134.6	201.8
98	61.7	50.2	75.4



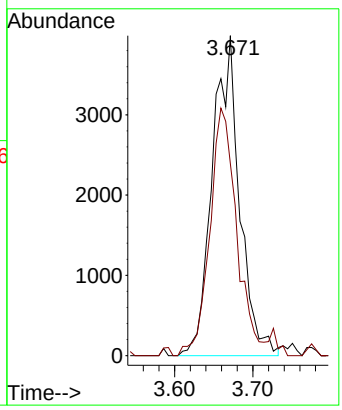


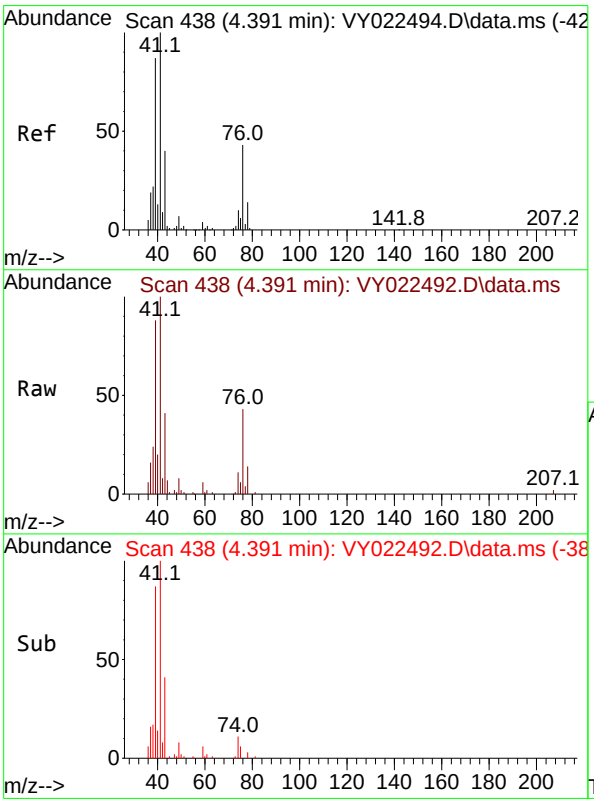
#13
Acrolein
Concen: 48.151 ug/l
RT: 3.671 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 9650

Ion	Ratio	Lower	Upper
56	100		
55	76.0	57.0	85.6

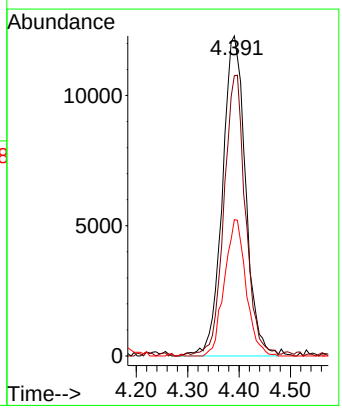


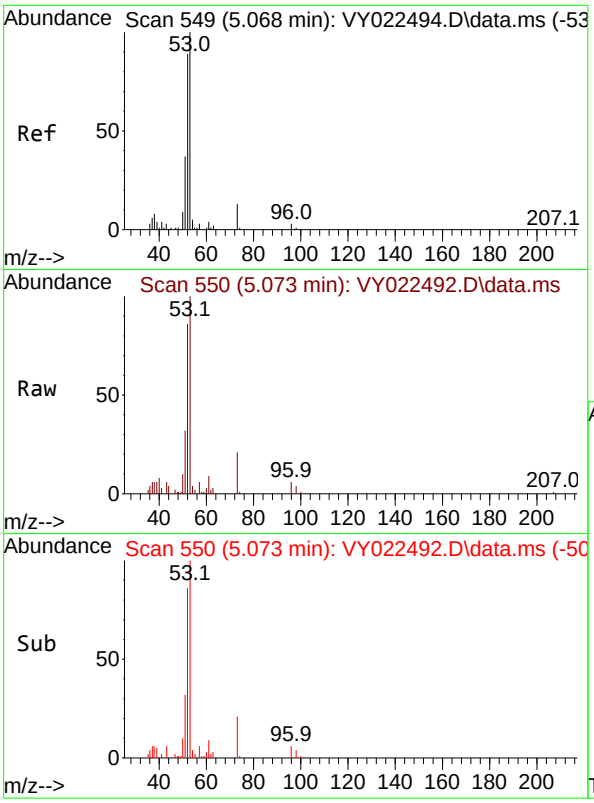


#14
Allyl chloride
Concen: 11.389 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 41 Resp: 38482

Ion	Ratio	Lower	Upper
41	100		
39	80.5	69.1	103.7
76	39.7	33.5	50.3



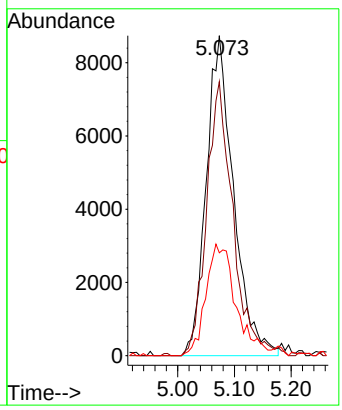


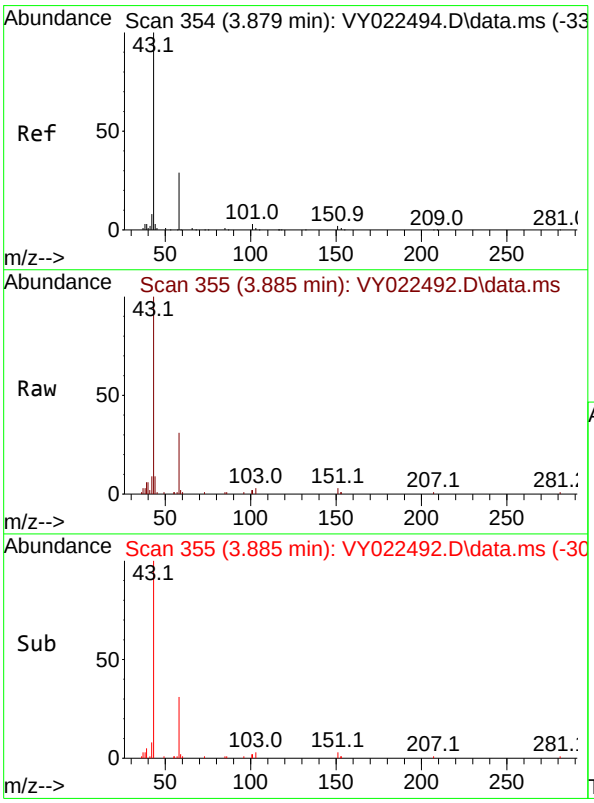
#15
Acrylonitrile
Concen: 57.299 ug/l
RT: 5.073 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 53 Resp: 29150

Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.7	98.5
51	38.3	30.1	45.1

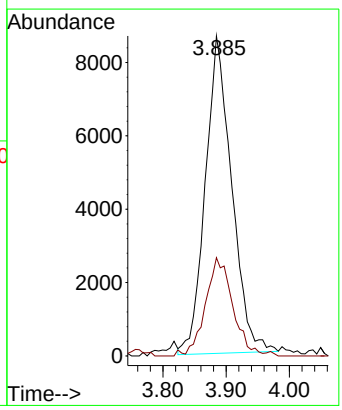


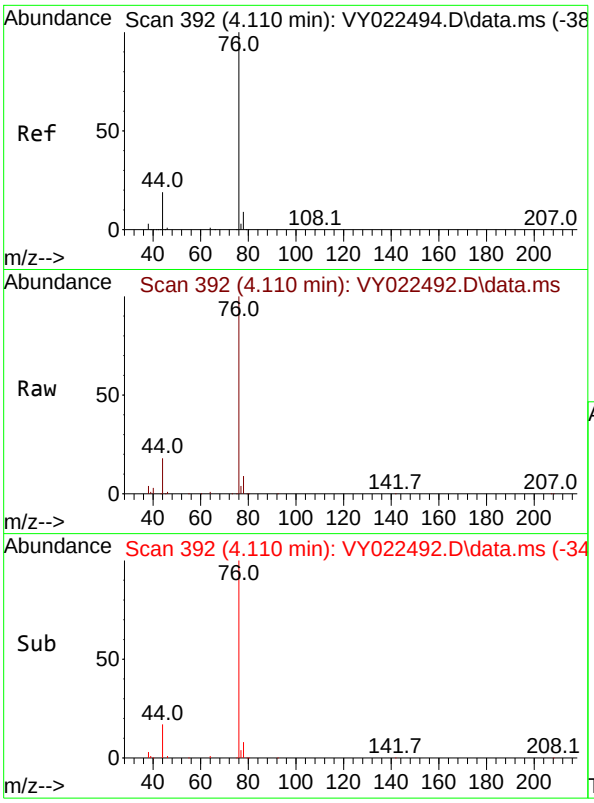


#16
Acetone
Concen: 55.166 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 25066

Ion	Ratio	Lower	Upper
43	100		
58	31.1	24.0	36.0



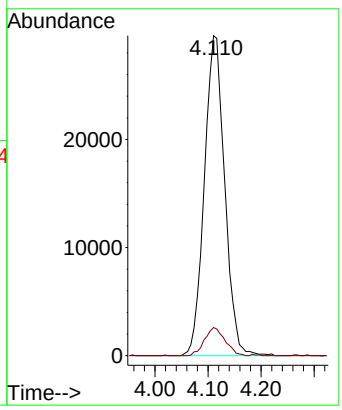


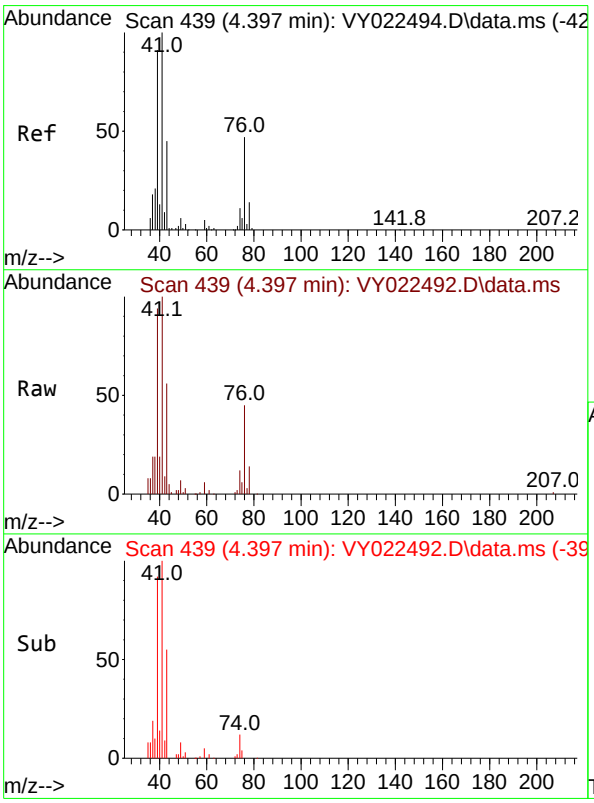
#17
Carbon Disulfide
Concen: 11.413 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 79008

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2

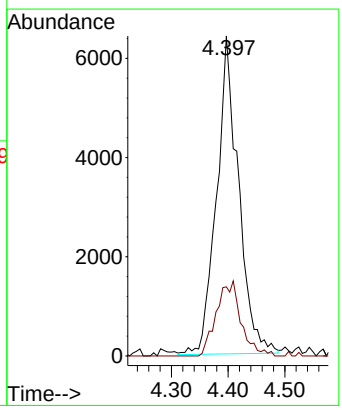


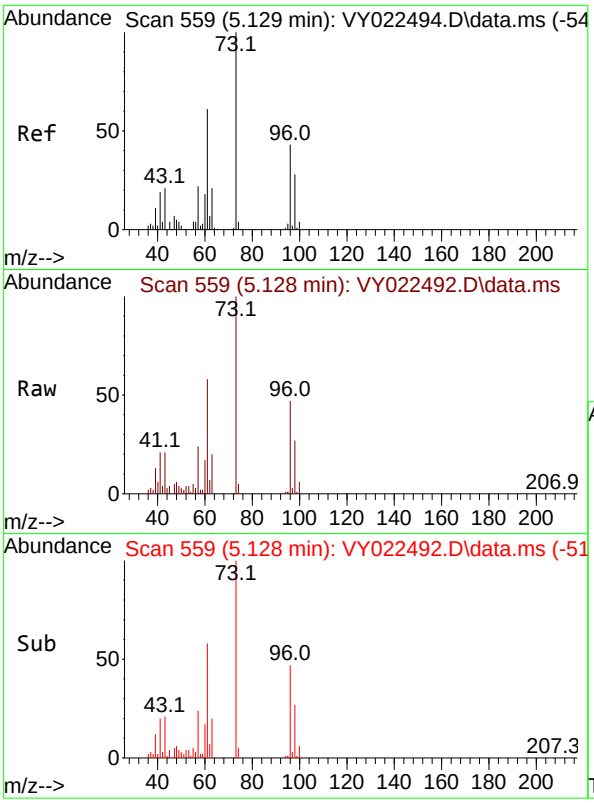


#18
Methyl Acetate
Concen: 12.603 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 17228

Ion	Ratio	Lower	Upper
43	100		
74	26.4	19.8	29.6



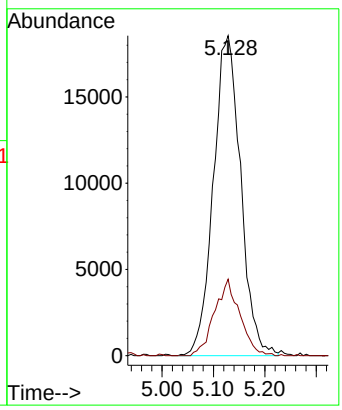


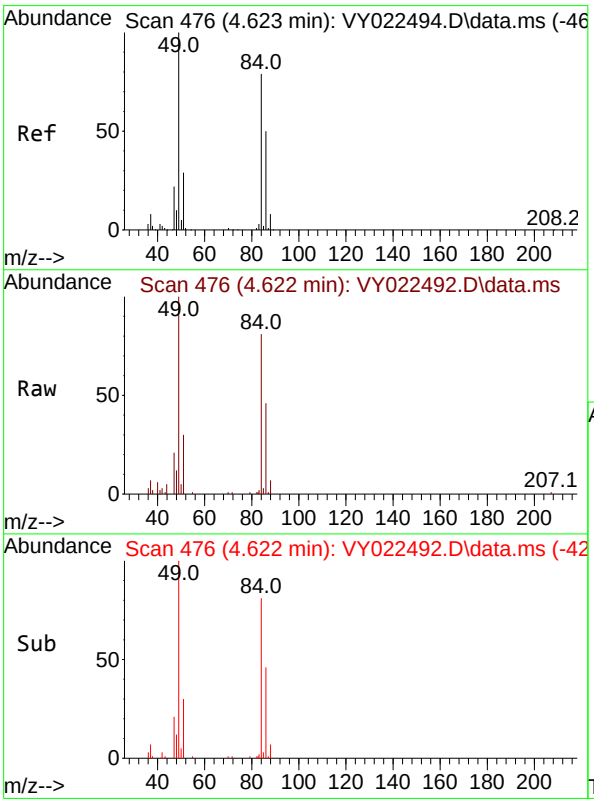
#19
Methyl tert-butyl Ether
Concen: 11.296 ug/l
RT: 5.128 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 68336

Ion	Ratio	Lower	Upper
73	100		
57	23.9	17.4	26.0

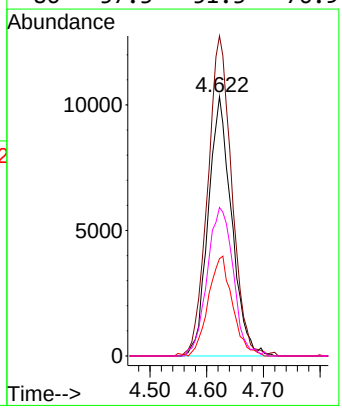


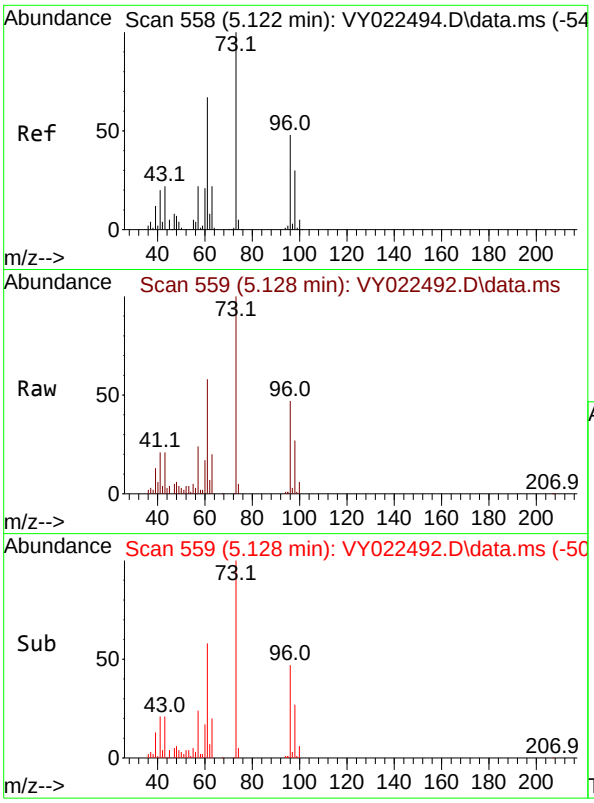


#20
Methylene Chloride
Concen: 11.655 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 84 Resp: 29569

Ion	Ratio	Lower	Upper
84	100		
49	123.4	101.9	152.9
51	37.5	29.8	44.8
86	57.3	51.3	76.9



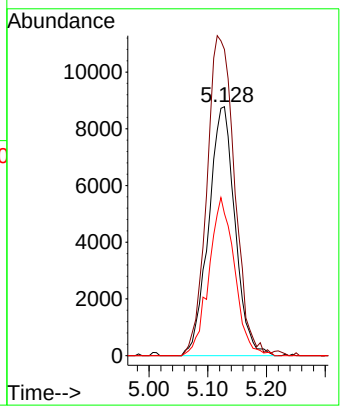


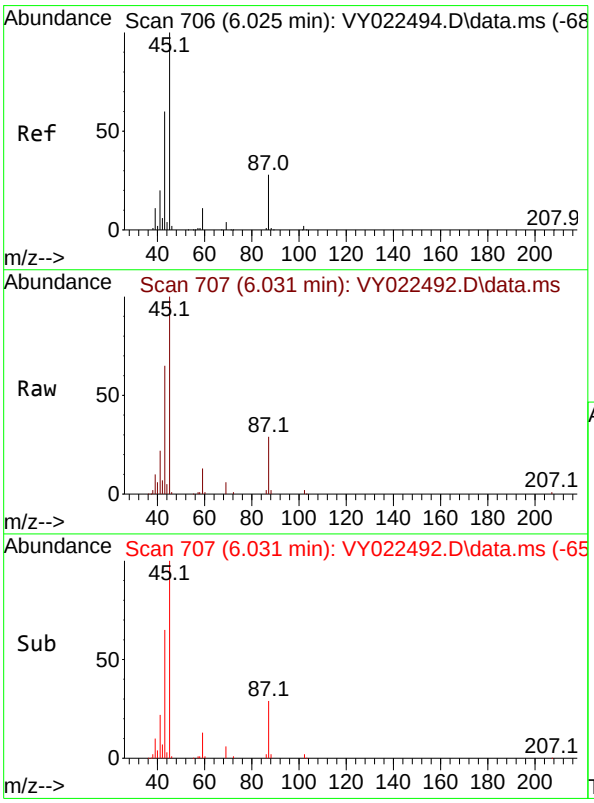
#21
trans-1,2-Dichloroethene
Concen: 11.350 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 27493

Ion	Ratio	Lower	Upper
96	100		
61	123.0	112.6	169.0
98	57.1	50.6	75.8

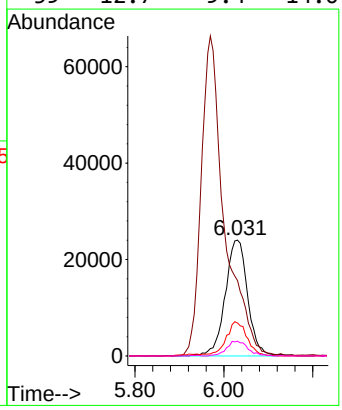


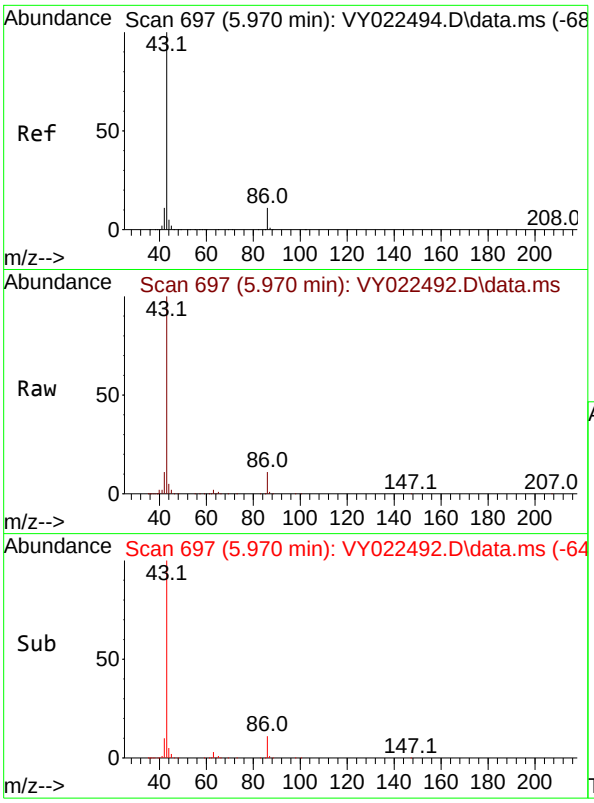


#22
Diisopropyl ether
Concen: 11.156 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 45 Resp: 83814

Ion	Ratio	Lower	Upper
45	100		
43	64.5	48.3	72.5
87	28.5	23.0	34.6
59	12.7	9.4	14.0



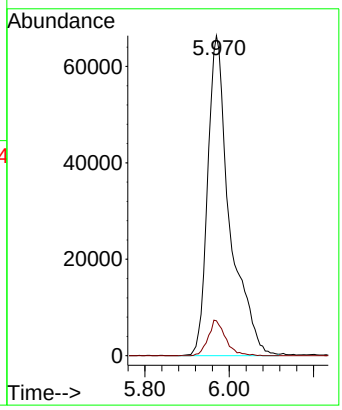


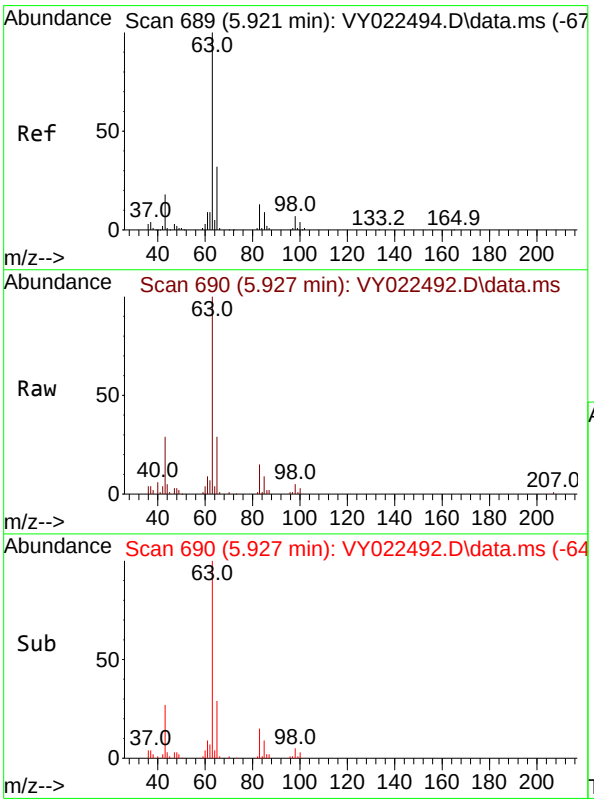
#23
Vinyl Acetate
Concen: 54.152 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 241364

Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.6	12.8

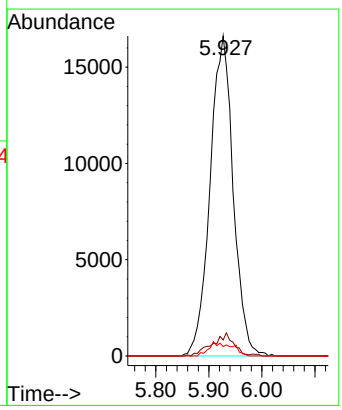


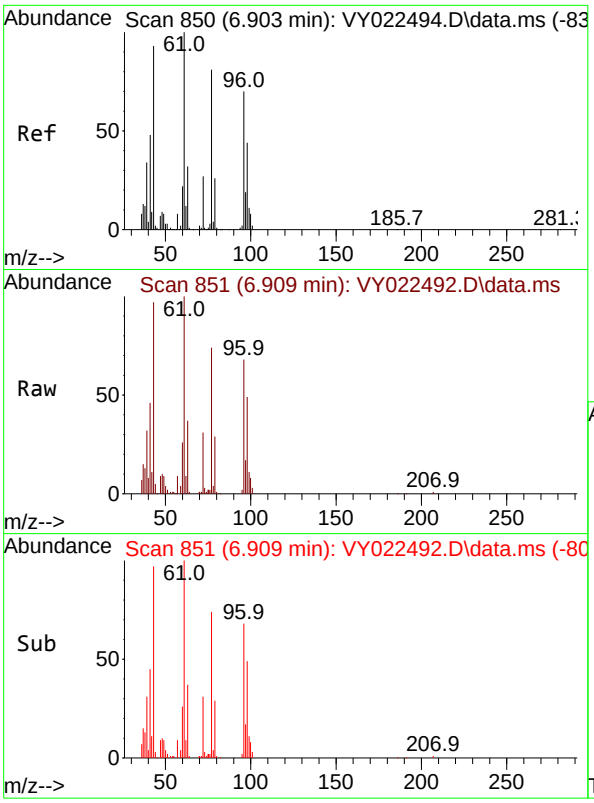


#24
1,1-Dichloroethane
Concen: 11.346 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 63 Resp: 50391

Ion	Ratio	Lower	Upper
63	100		
98	5.0	3.4	10.1
100	3.0	2.1	6.3



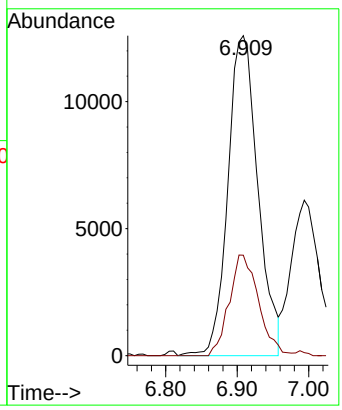


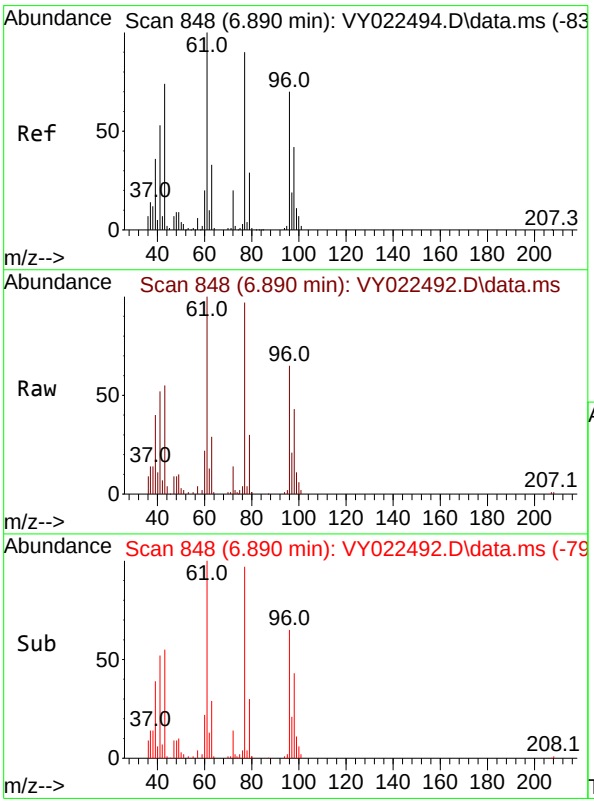
#25
2-Butanone
Concen: 54.840 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 36756

Ion	Ratio	Lower	Upper
43	100		
72	31.4	22.9	34.3

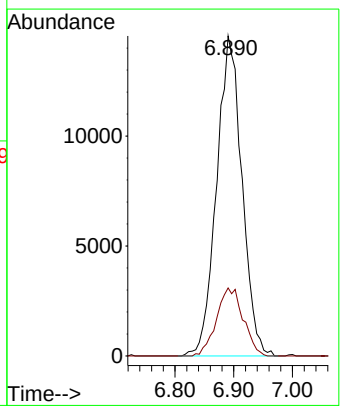


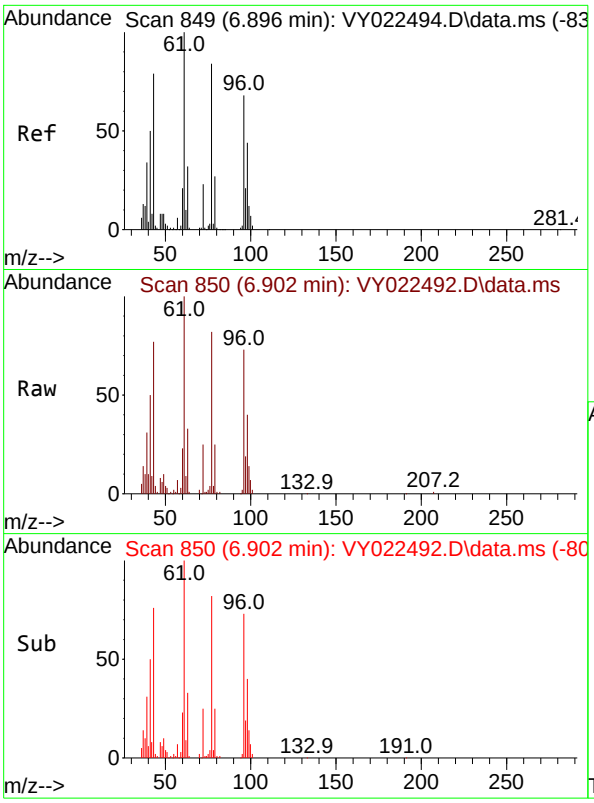


#26
2,2-Dichloropropane
Concen: 11.045 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 77 Resp: 43605

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.4	34.2



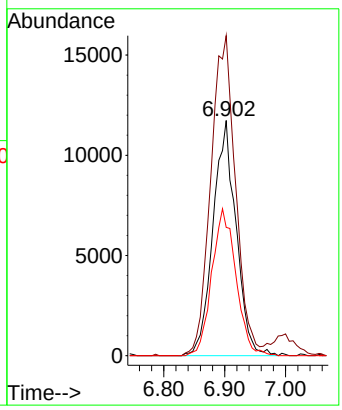


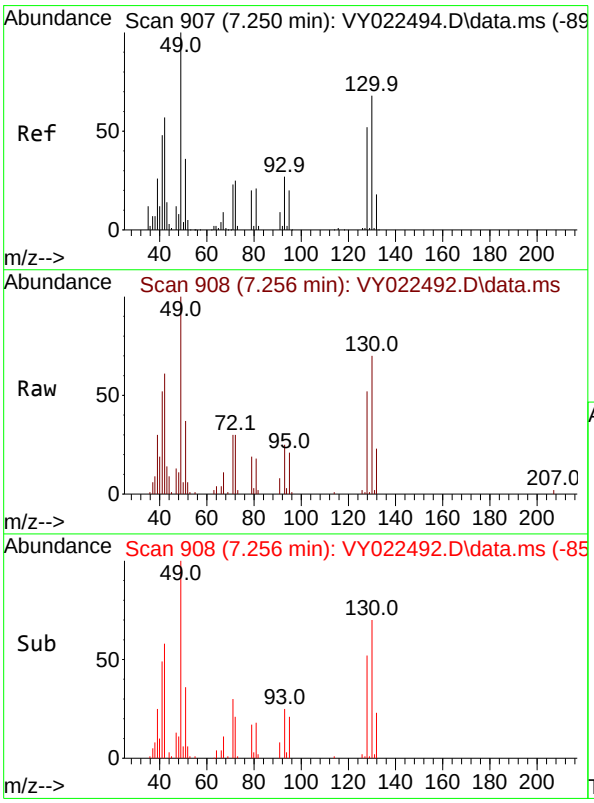
#27
cis-1,2-Dichloroethene
Concen: 11.028 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 30873

Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	290.0
98	65.3	0.0	128.4

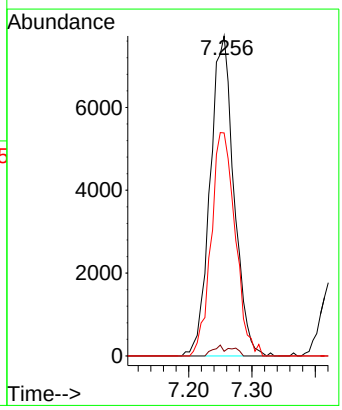


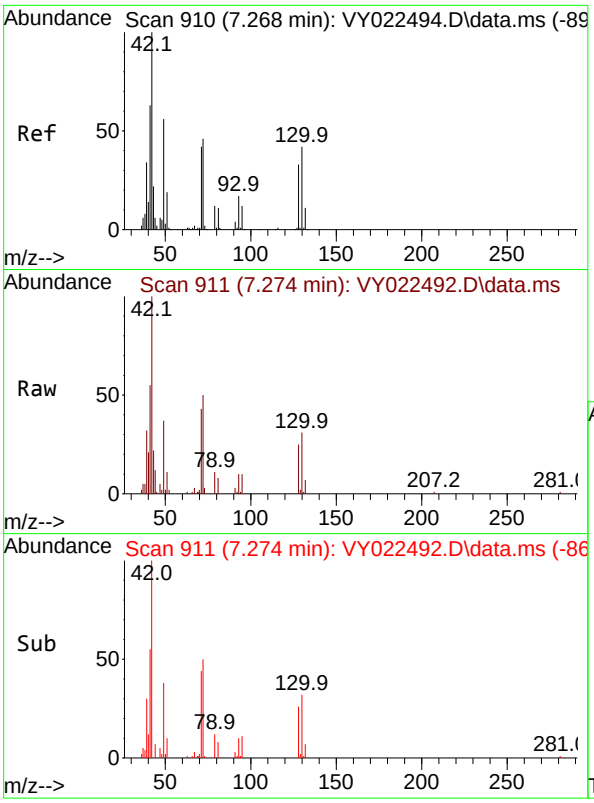


#28
Bromochloromethane
Concen: 10.491 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 49 Resp: 20132

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.6
130	70.8	55.7	83.5



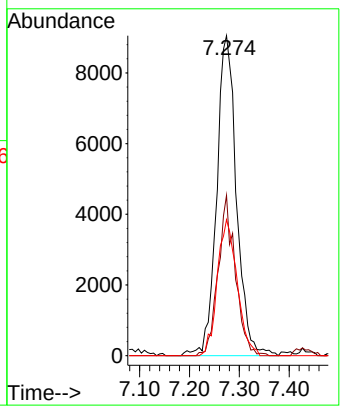


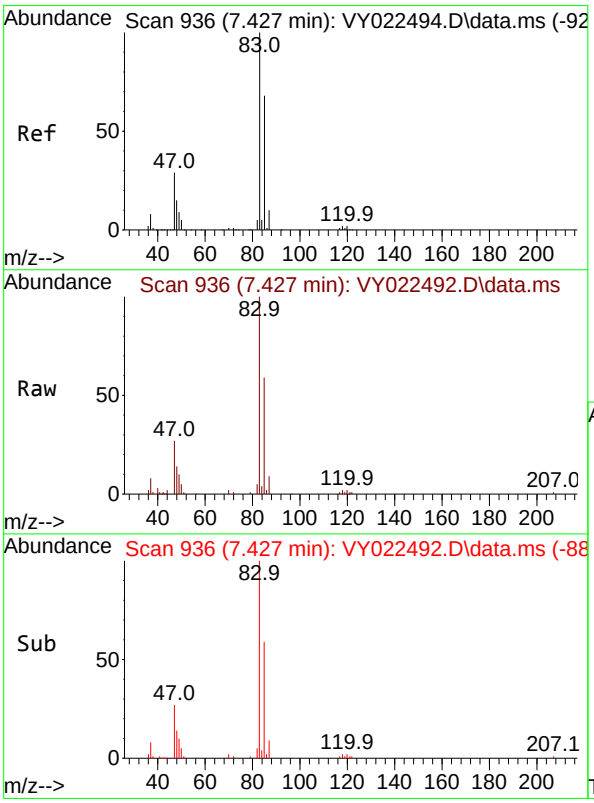
#29
Tetrahydrofuran
Concen: 57.822 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 42 Resp: 25001

Ion	Ratio	Lower	Upper
42	100		
72	43.5	37.4	56.2
71	42.5	34.2	51.2

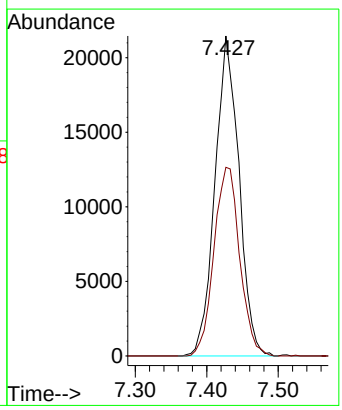


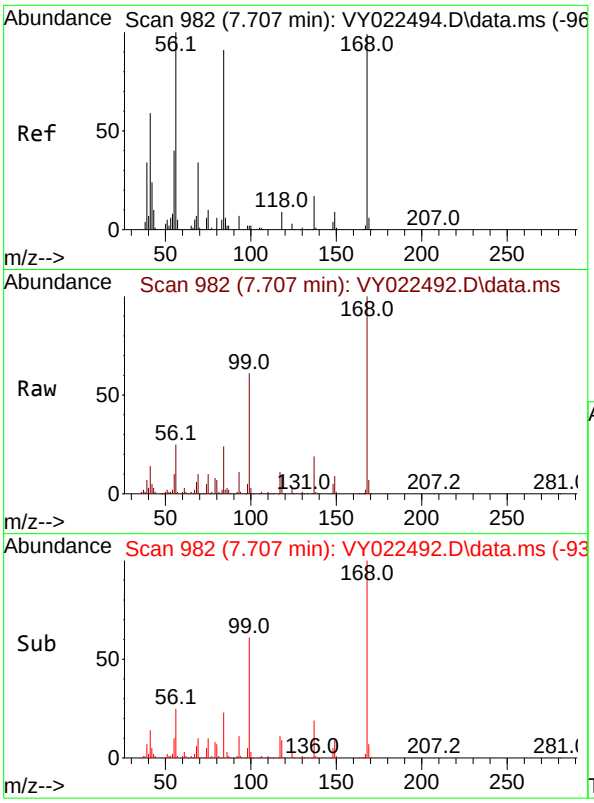


#30
Chloroform
Concen: 11.391 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 83 Resp: 49990

Ion	Ratio	Lower	Upper
83	100		
85	59.0	54.2	81.4



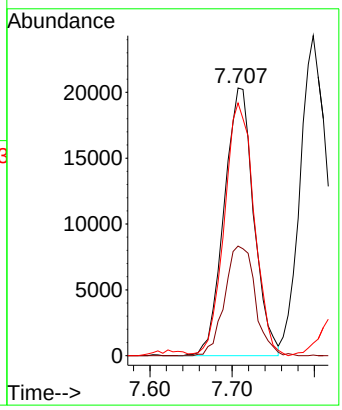


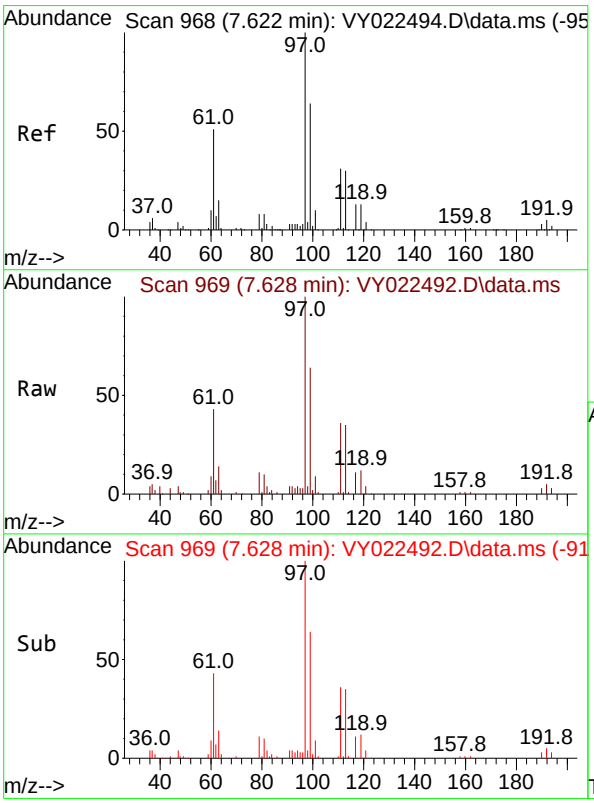
#31
Cyclohexane
Concen: 11.422 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 51050

Ion	Ratio	Lower	Upper
56	100		
69	40.9	27.0	40.6#
84	92.7	72.6	109.0

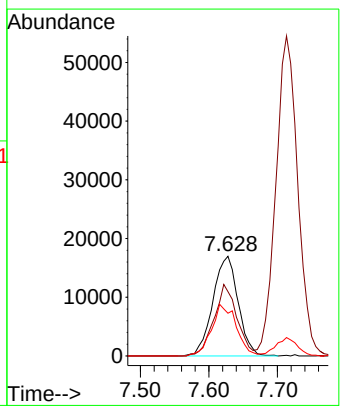


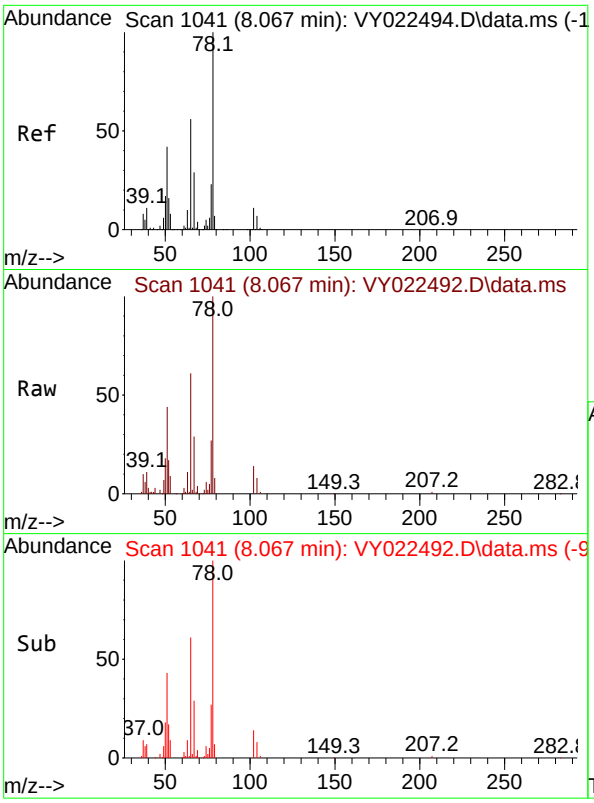


#32
1,1,1-Trichloroethane
Concen: 11.080 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 97 Resp: 43454

Ion	Ratio	Lower	Upper
97	100		
99	65.1	50.9	76.3
61	50.6	38.5	57.7



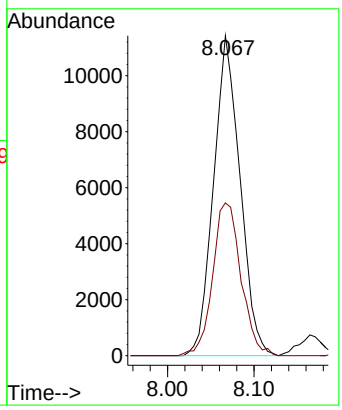


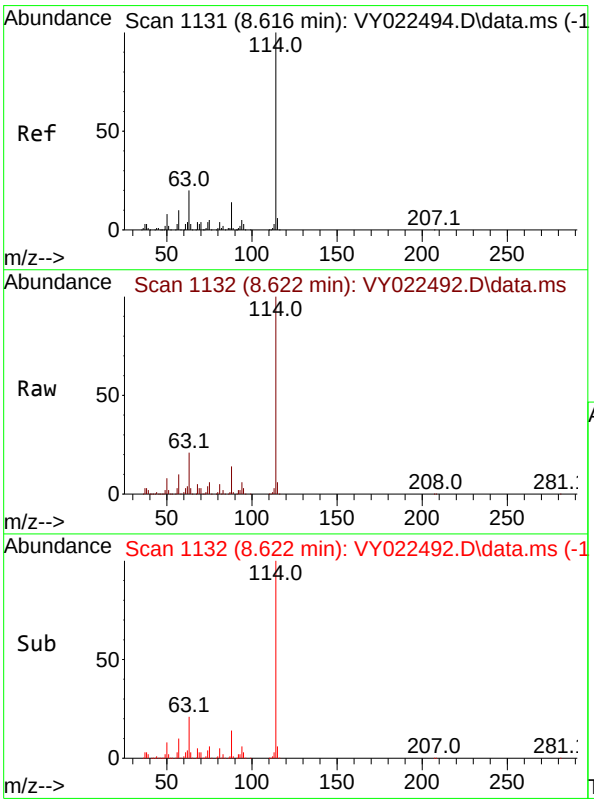
#33
1,2-Dichloroethane-d4
Concen: 10.549 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 24246

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	103.4

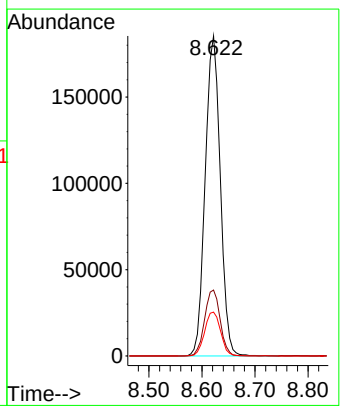


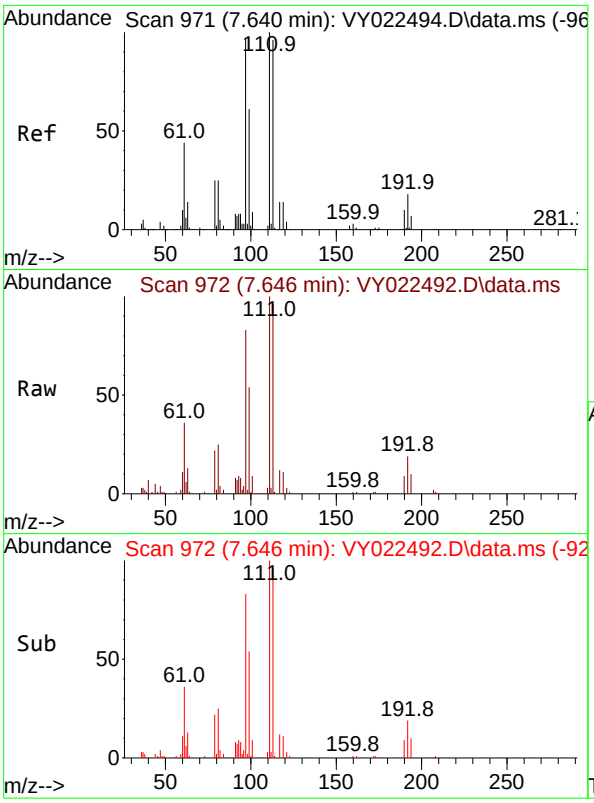


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:114 Resp: 366386

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	13.7	0.0	27.8



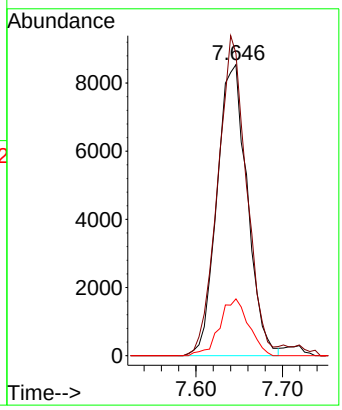


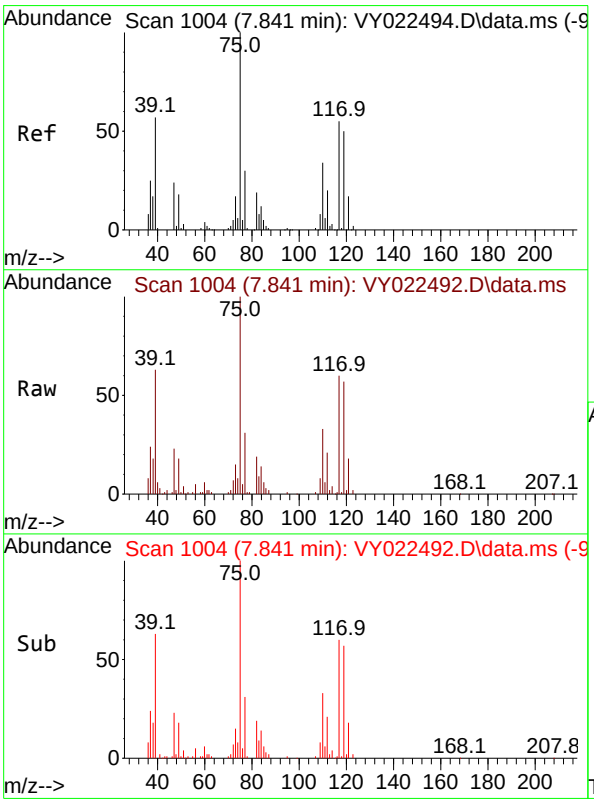
#35
Dibromofluoromethane
Concen: 9.617 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:113 Resp: 20743

Ion	Ratio	Lower	Upper
113	100		
111	104.9	81.1	121.7
192	18.7	14.2	21.2

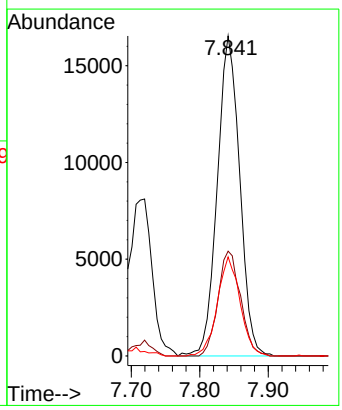


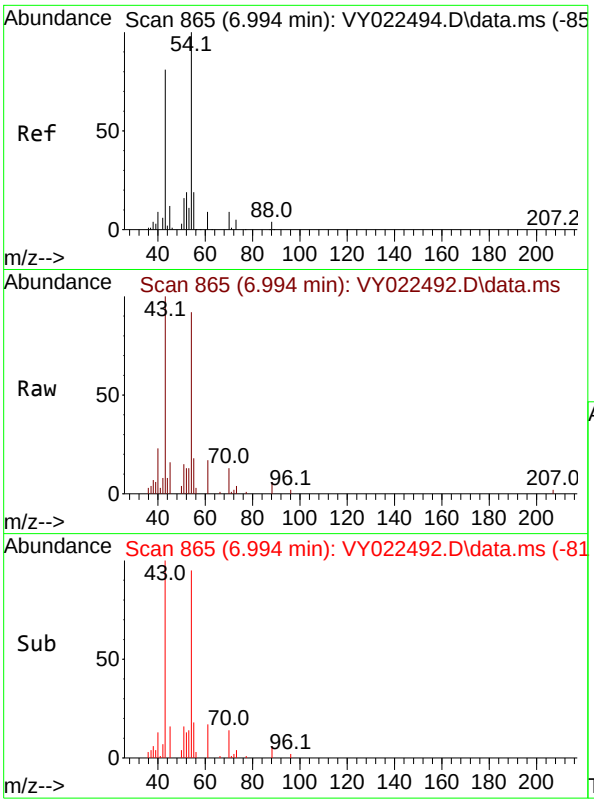


#36
1,1-Dichloropropene
Concen: 10.765 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 75 Resp: 37532

Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.9	50.7
77	31.5	24.8	37.2



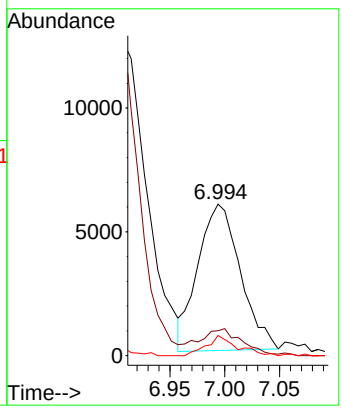


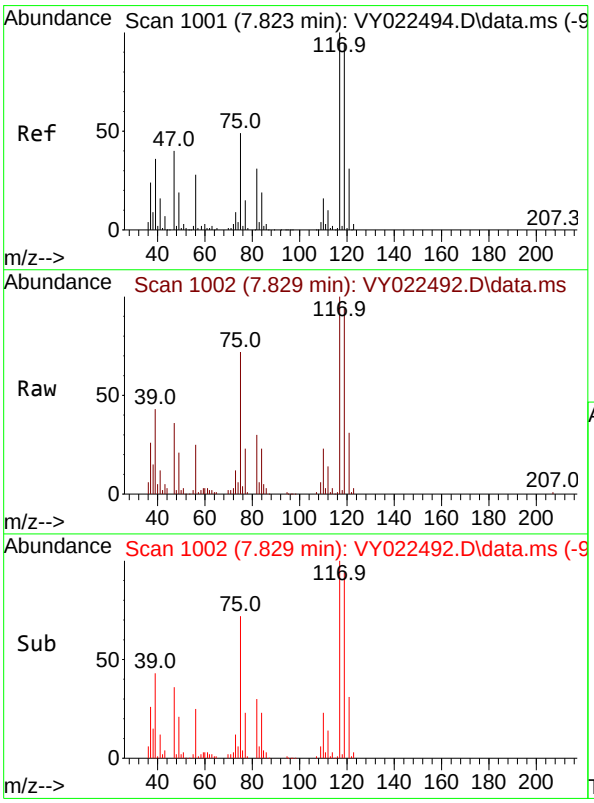
#37
Ethyl Acetate
Concen: 10.371 ug/l
RT: 6.994 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 15914

Ion	Ratio	Lower	Upper
43	100		
61	18.4	11.5	17.3#
70	9.8	7.2	10.8

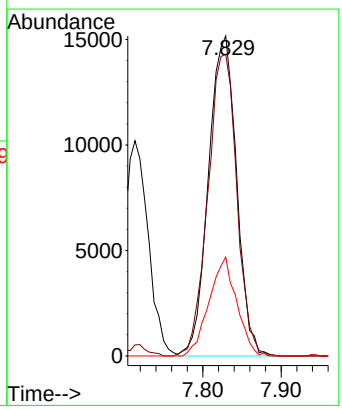


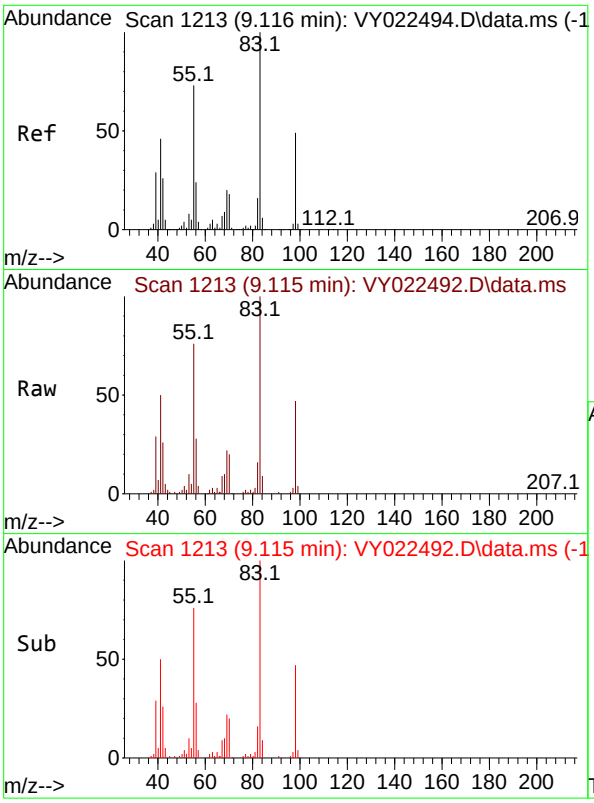


#38
Carbon Tetrachloride
Concen: 10.515 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:117 Resp: 37794

Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.0	112.6
121	30.9	25.0	37.4



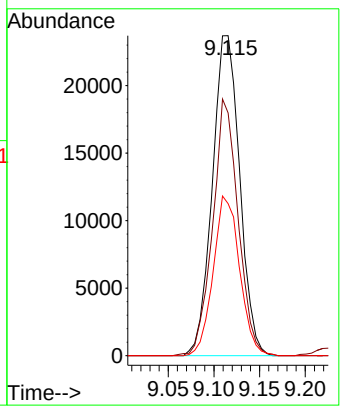


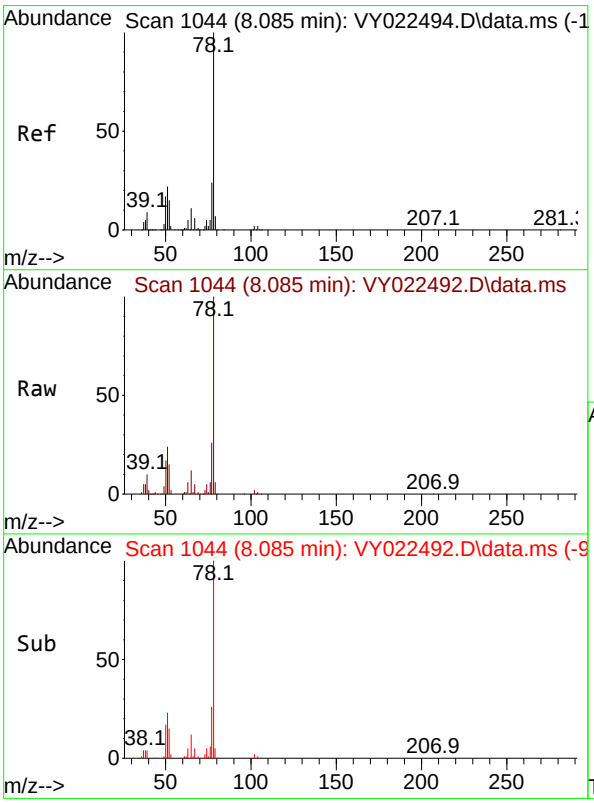
#39
Methylcyclohexane
Concen: 10.491 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 49413

Ion	Ratio	Lower	Upper
83	100		
55	75.8	58.1	87.1
98	47.5	39.0	58.6

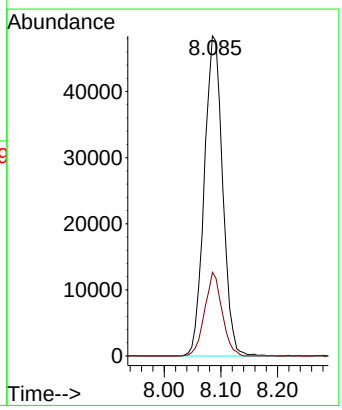


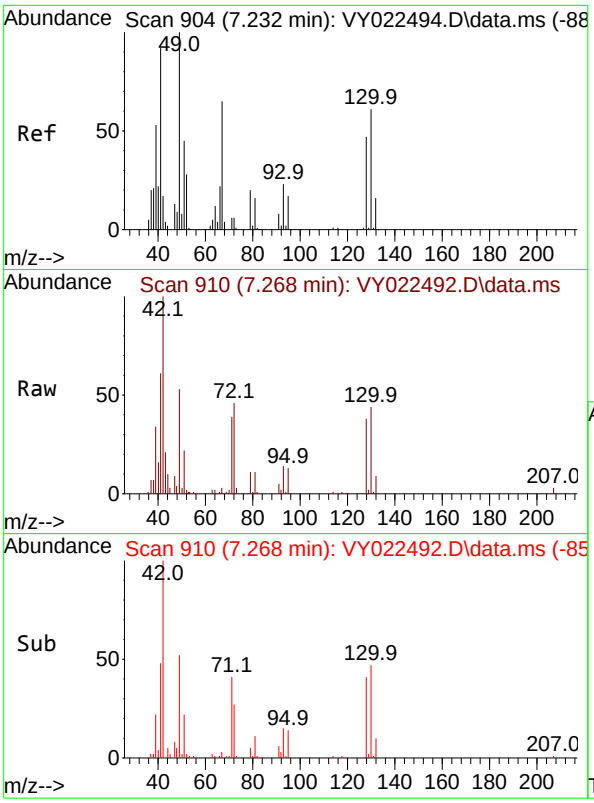


#40
Benzene
Concen: 10.600 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 78 Resp: 108934

Ion	Ratio	Lower	Upper
78	100		
77	26.2	19.3	28.9



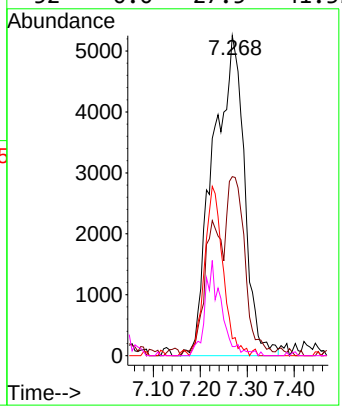


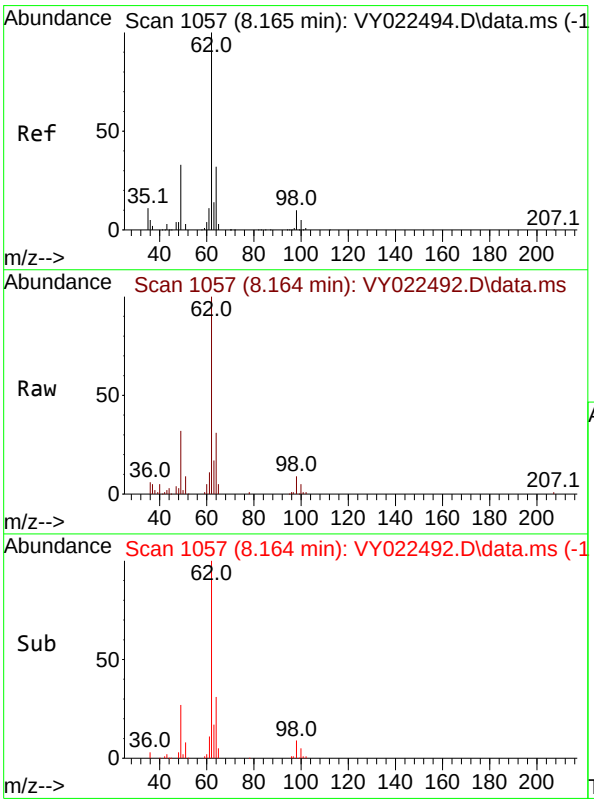
#41
Methacrylonitrile
Concen: 24.573 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.036 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 24283

Ion	Ratio	Lower	Upper
41	100		
39	31.0	46.6	69.8#
67	0.0	63.3	94.9#
52	0.0	27.5	41.3#

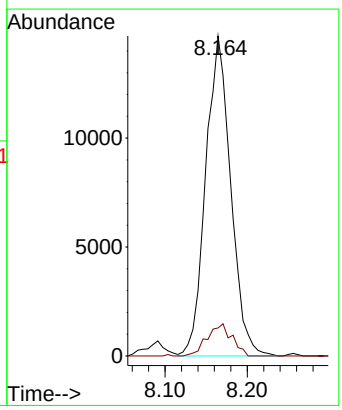


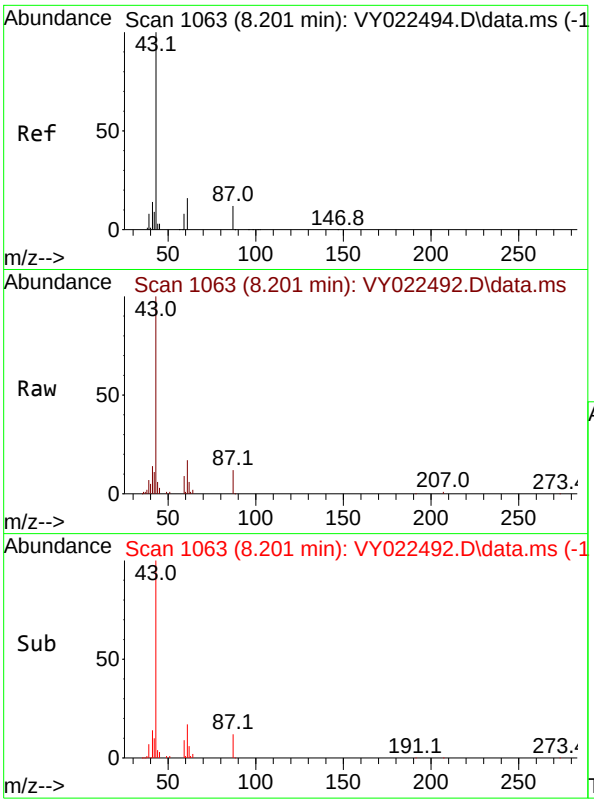


#42
1,2-Dichloroethane
Concen: 11.125 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 62 Resp: 31102

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.2



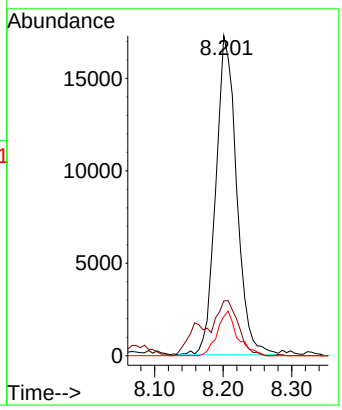


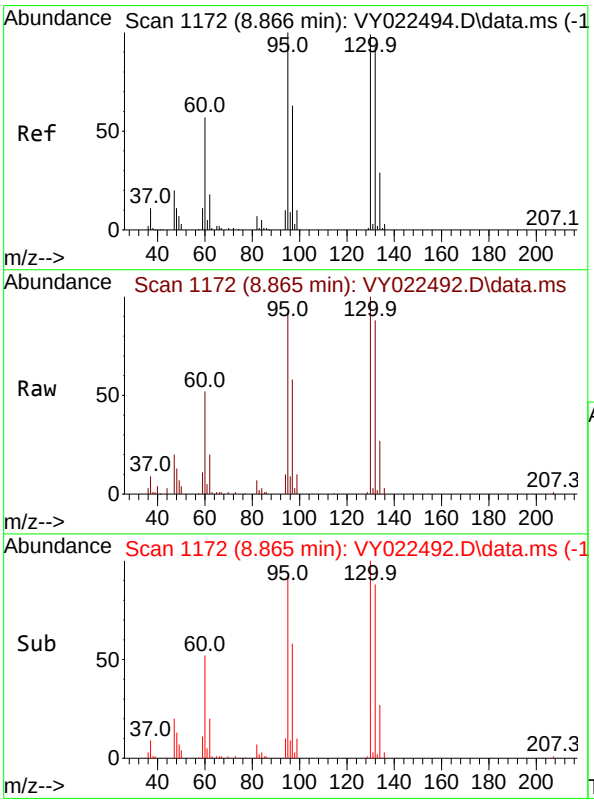
#43
Isopropyl Acetate
Concen: 10.859 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 36411

Ion	Ratio	Lower	Upper
43	100		
61	17.7	15.6	23.4
87	13.4	10.2	15.4

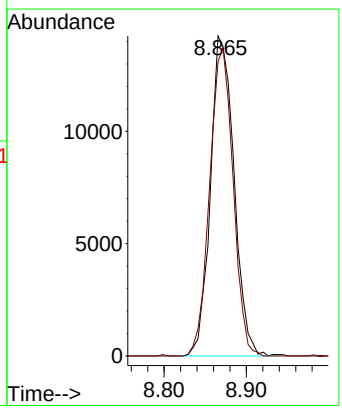


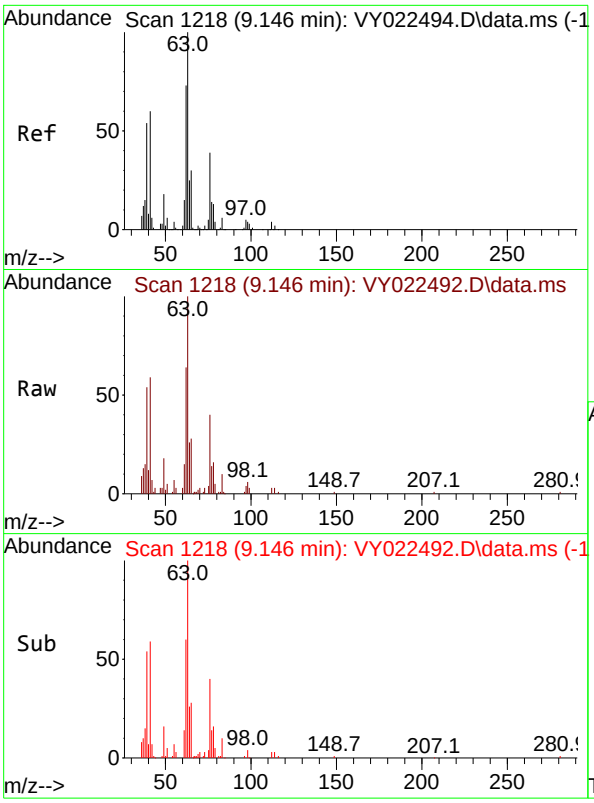


#44
Trichloroethene
Concen: 11.325 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:130 Resp: 28431

Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	203.0



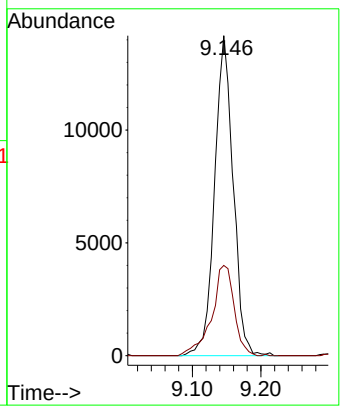


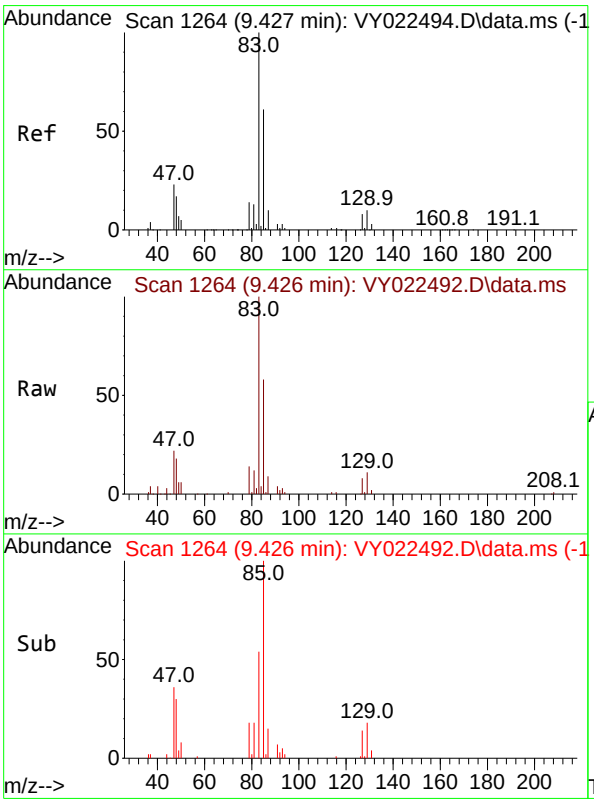
#45
1,2-Dichloropropane
Concen: 10.884 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 26665

Ion	Ratio	Lower	Upper
63	100		
65	28.2	24.0	36.0

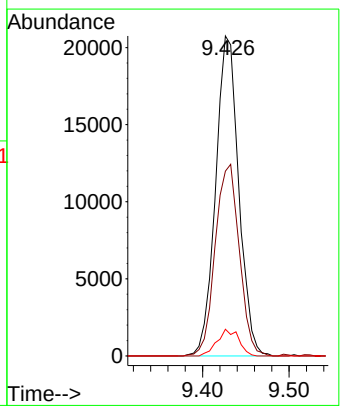


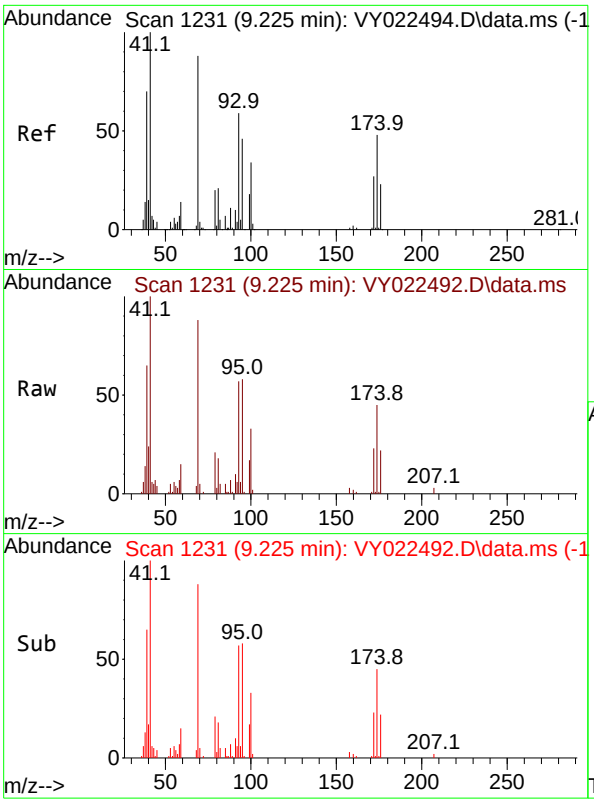


#47
Bromodichloromethane
Concen: 11.048 ug/l
RT: 9.426 min Scan# 1264
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 83 Resp: 38475

Ion	Ratio	Lower	Upper
83	100		
85	57.8	49.1	73.7
127	8.4	6.2	9.4



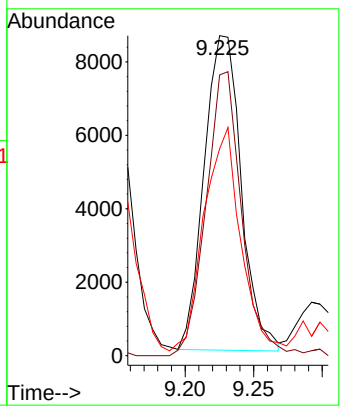


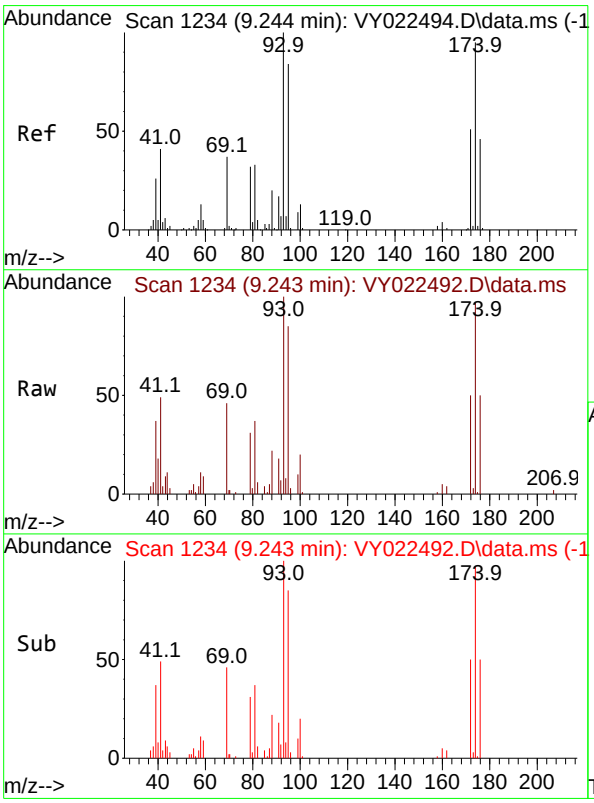
#48
Methyl methacrylate
Concen: 10.501 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 16122

Ion	Ratio	Lower	Upper
41	100		
69	86.6	67.8	101.8
39	70.2	55.0	82.4

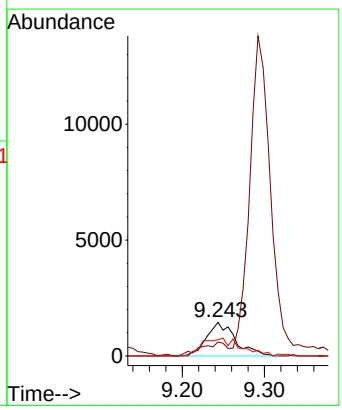


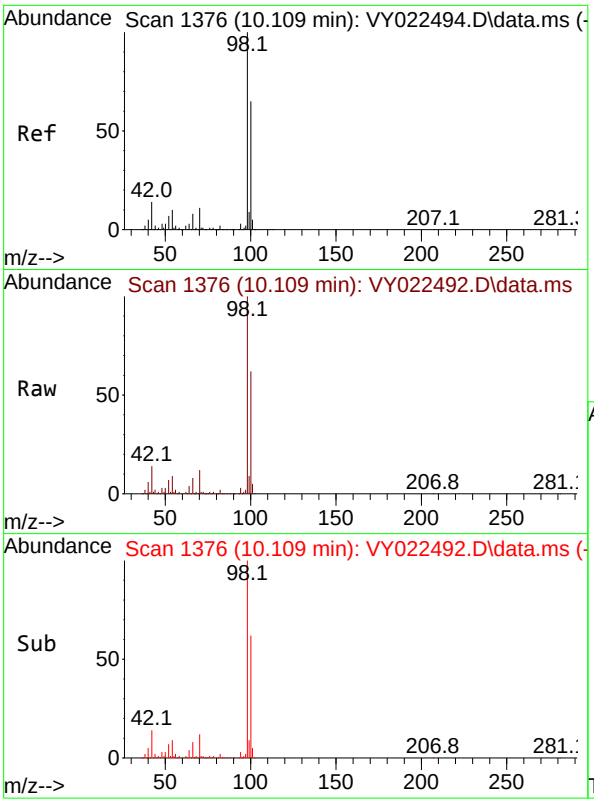


#49
1,4-Dioxane
Concen: 215.881 ug/l
RT: 9.243 min Scan# 1234
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 88 Resp: 3535

Ion	Ratio	Lower	Upper
88	100		
43	36.1	25.4	38.2
58	69.8	54.9	82.3



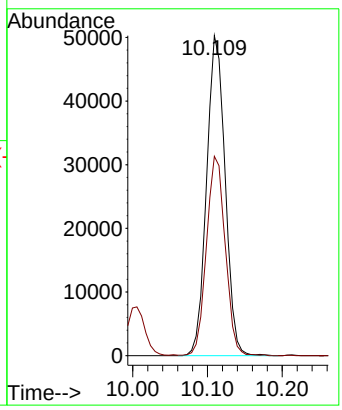


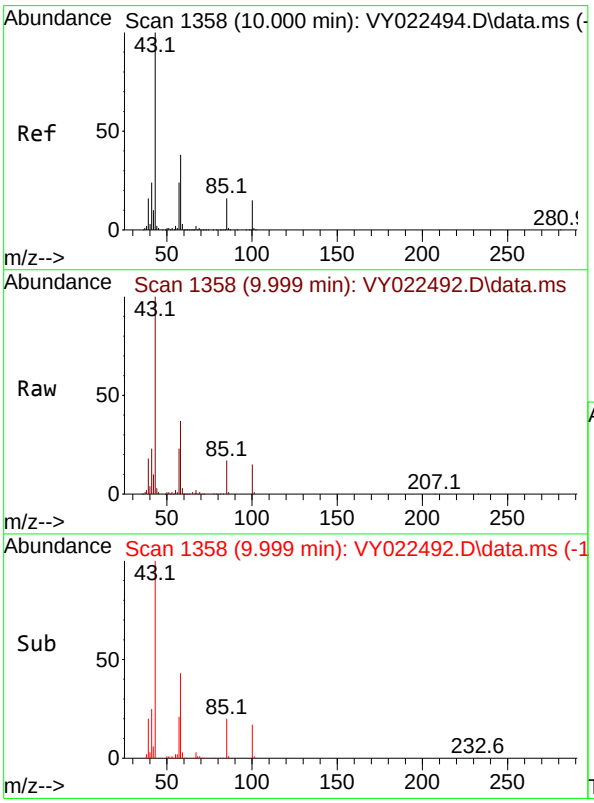
#50
Toluene-d8
Concen: 9.930 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 98 Resp: 86561

Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.4	77.0

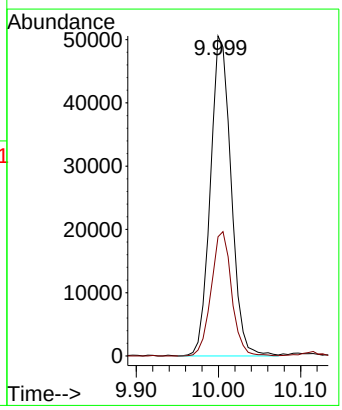


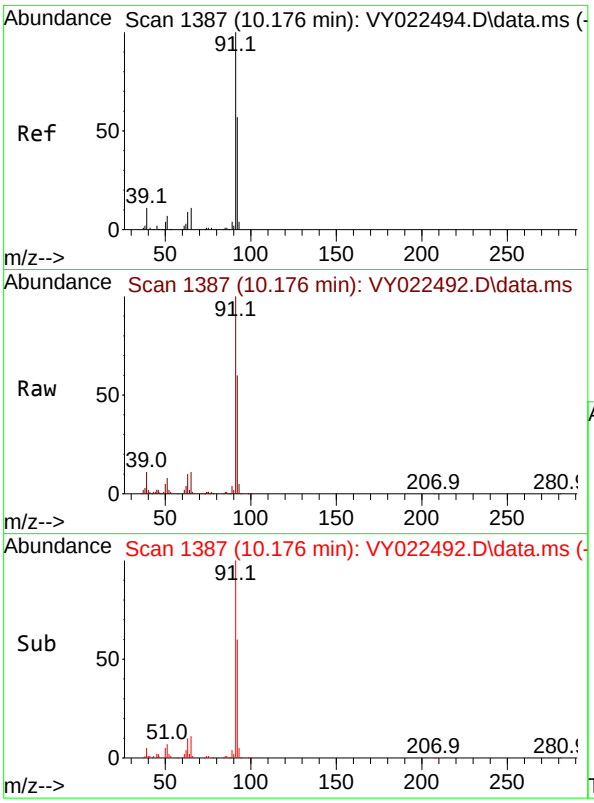


#51
4-Methyl-2-Pentanone
Concen: 53.259 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 88634

Ion	Ratio	Lower	Upper
43	100		
58	38.3	30.4	45.6



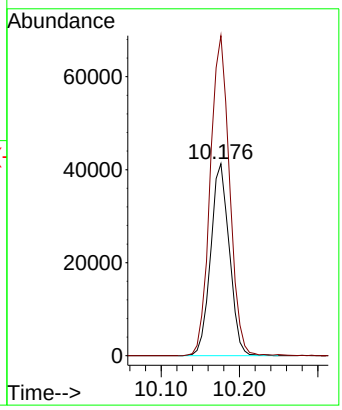


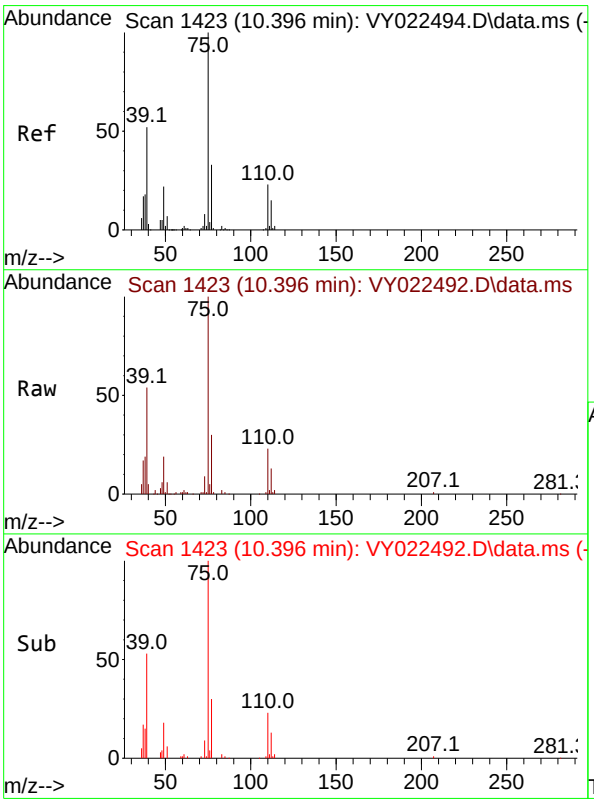
#52
Toluene
Concen: 10.565 ug/l
RT: 10.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 92 Resp: 68265

Ion	Ratio	Lower	Upper
92	100		
91	172.7	139.0	208.4

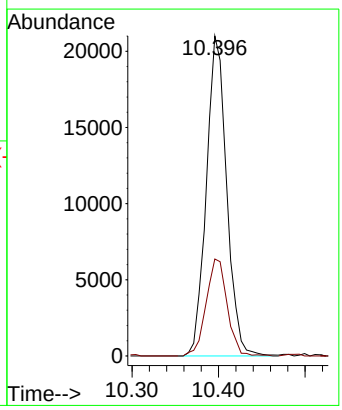


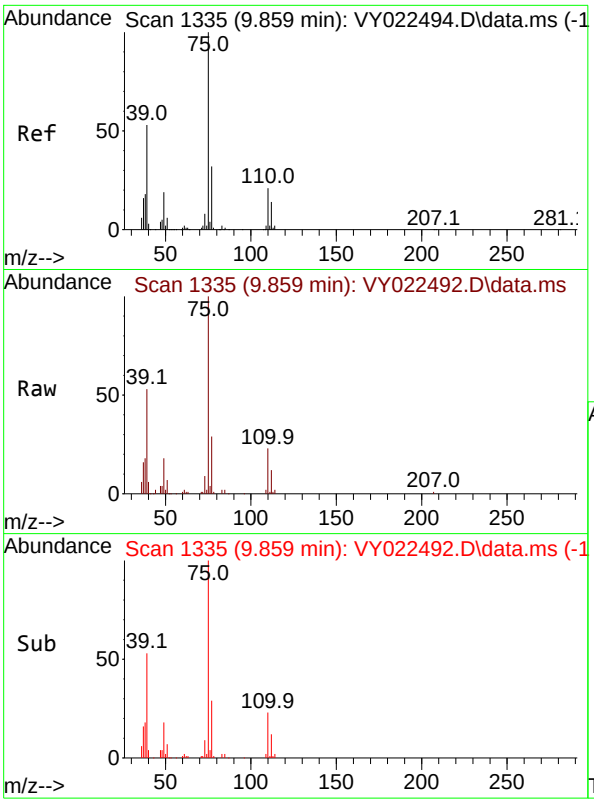


#53
t-1,3-Dichloropropene
Concen: 10.649 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 75 Resp: 34307

Ion	Ratio	Lower	Upper
75	100		
77	30.3	26.5	39.7



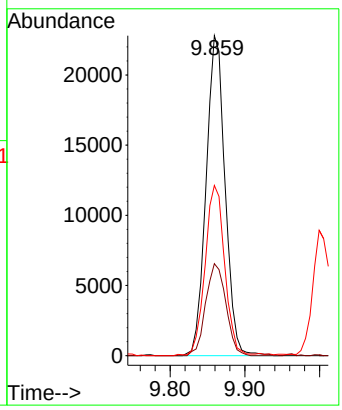


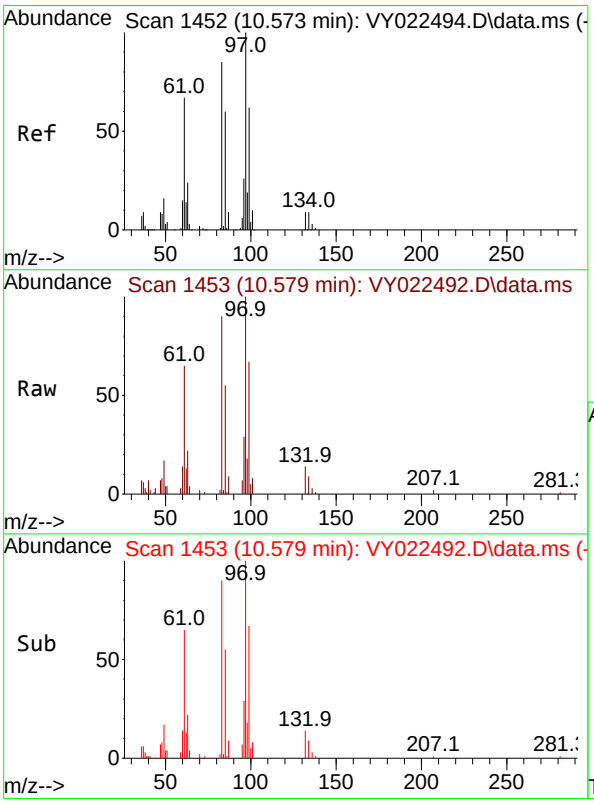
#54
cis-1,3-Dichloropropene
Concen: 10.649 ug/l
RT: 9.859 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 40229

Ion	Ratio	Lower	Upper
75	100		
77	28.7	25.3	37.9
39	52.8	42.7	64.1

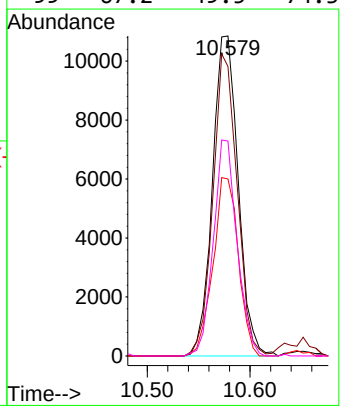


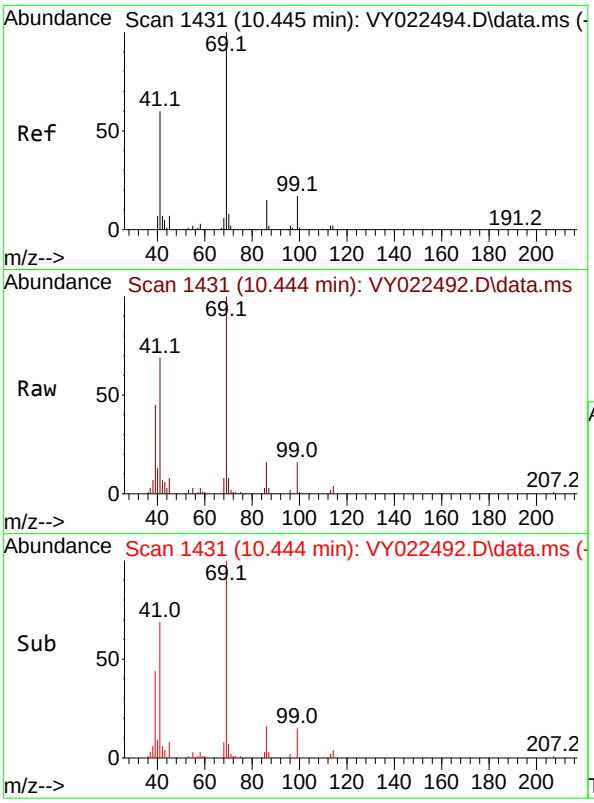


#55
1,1,2-Trichloroethane
Concen: 10.904 ug/l
RT: 10.579 min Scan# 1453
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 97 Resp: 18848

Ion	Ratio	Lower	Upper
97	100		
83	90.5	68.1	102.1
85	55.3	48.2	72.2
99	67.2	49.5	74.3



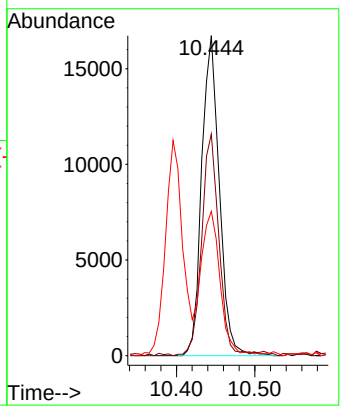


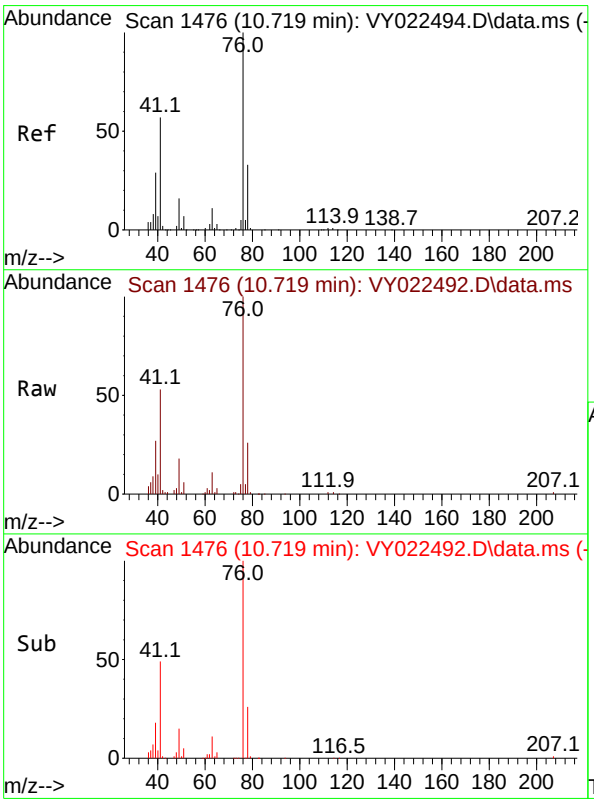
#56
Ethyl methacrylate
Concen: 10.426 ug/l
RT: 10.444 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 69 Resp: 26171

Ion	Ratio	Lower	Upper
69	100		
41	67.3	52.2	78.2
39	47.9	36.7	55.1

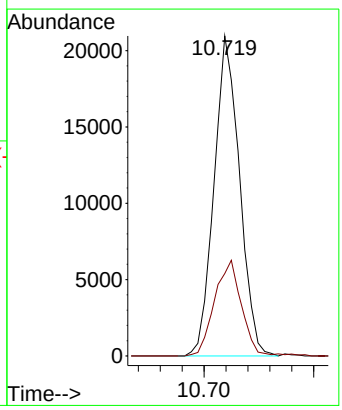


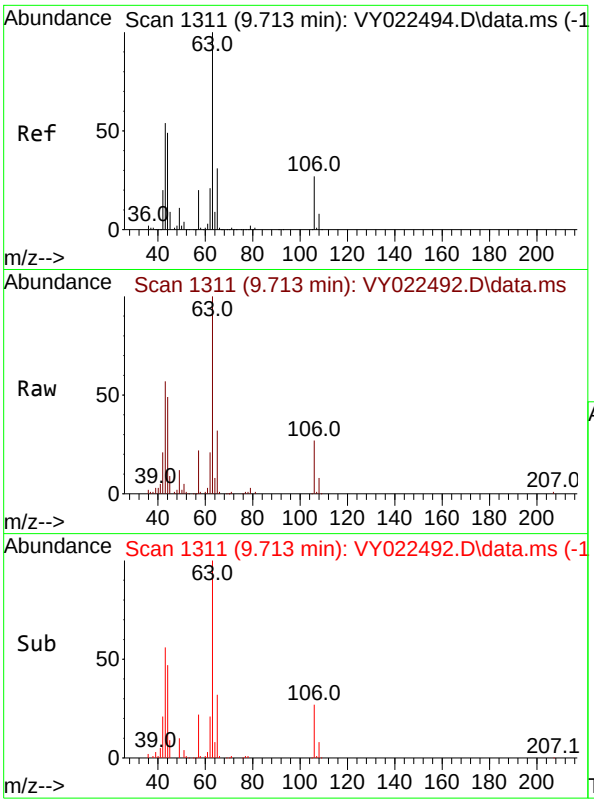


#57
1,3-Dichloropropane
Concen: 10.991 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 76 Resp: 33836

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.8	38.8



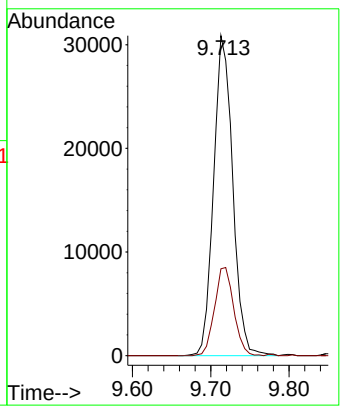


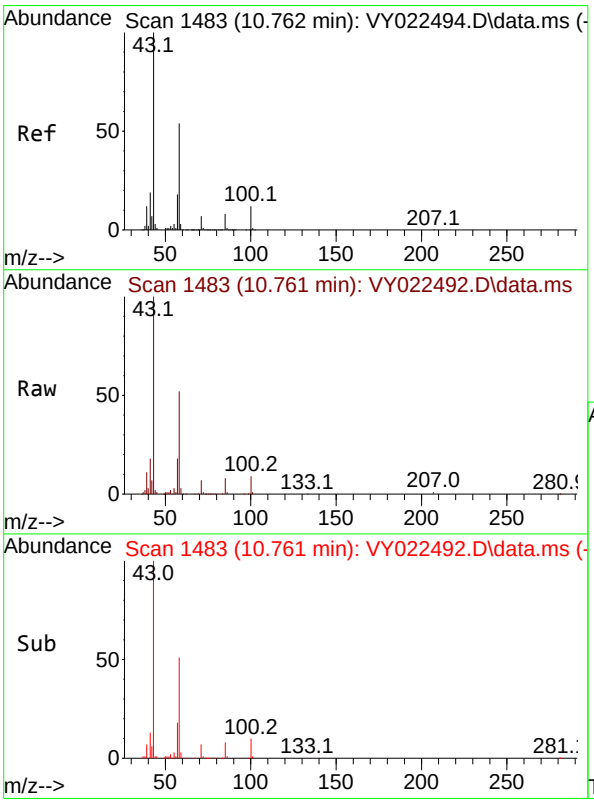
#58
2-Chloroethyl Vinyl ether
Concen: 46.819 ug/l
RT: 9.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 52396

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.6	32.4

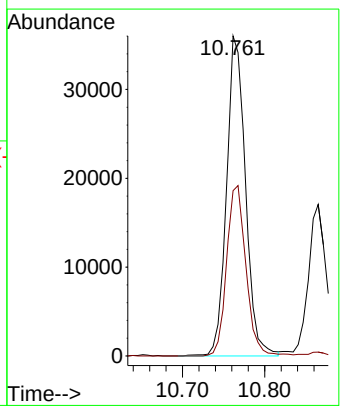


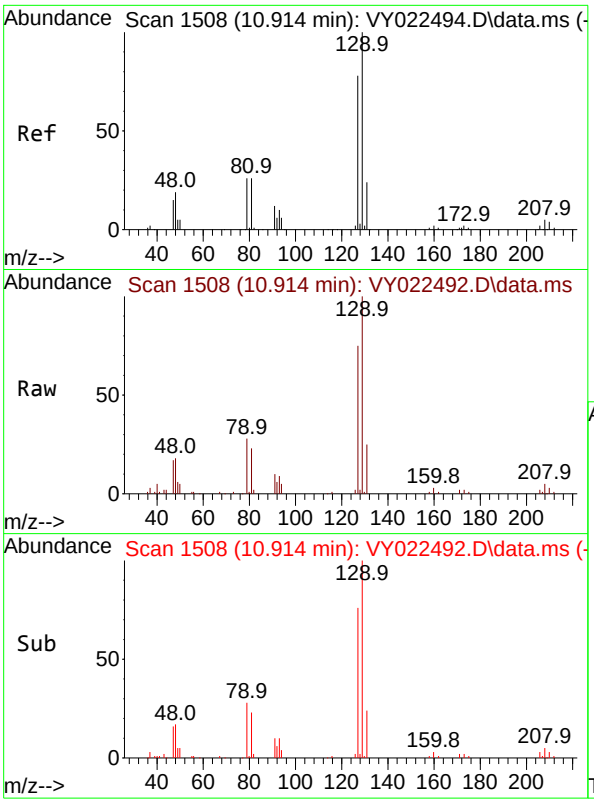


#59
2-Hexanone
Concen: 52.045 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 43 Resp: 57738

Ion	Ratio	Lower	Upper
43	100		
58	54.3	27.3	81.8



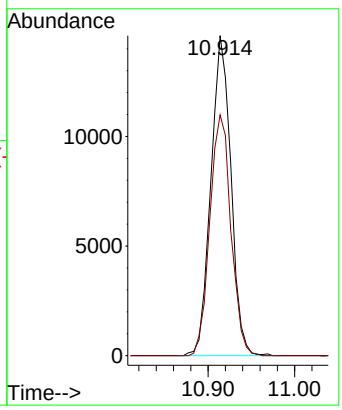


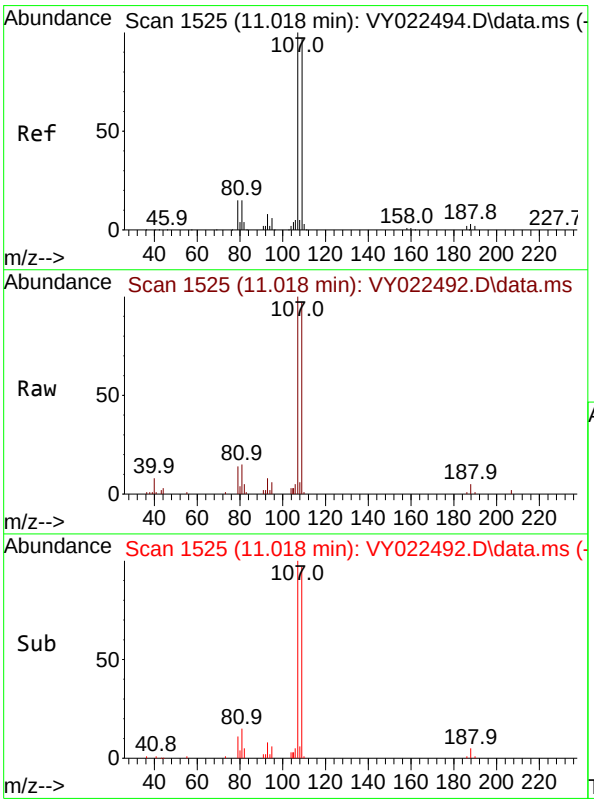
#60
Dibromochloromethane
Concen: 10.694 ug/l
RT: 10.914 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:129 Resp: 23423

Ion	Ratio	Lower	Upper
129	100		
127	79.3	39.1	117.2

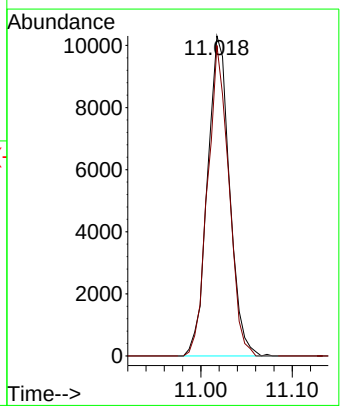


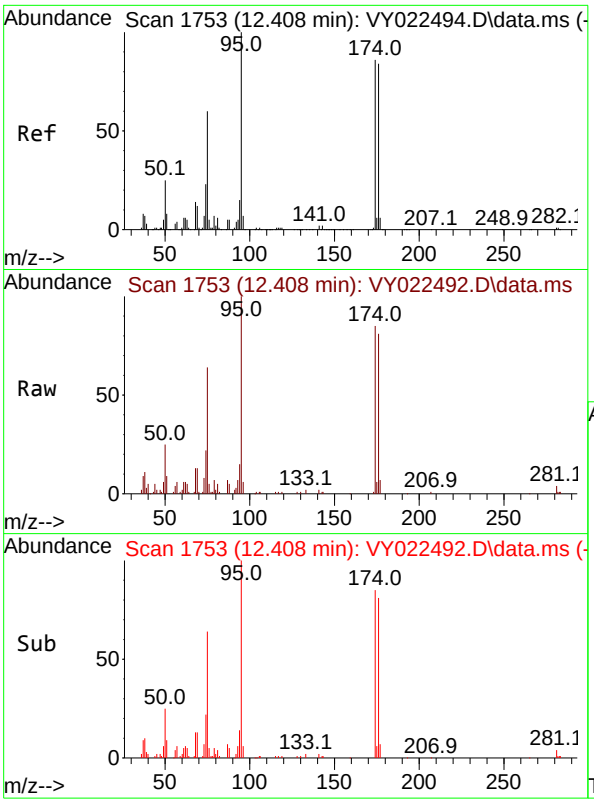


#61
1,2-Dibromoethane
Concen: 10.847 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:107 Resp: 17302

Ion	Ratio	Lower	Upper
107	100		
109	93.0	77.7	116.5



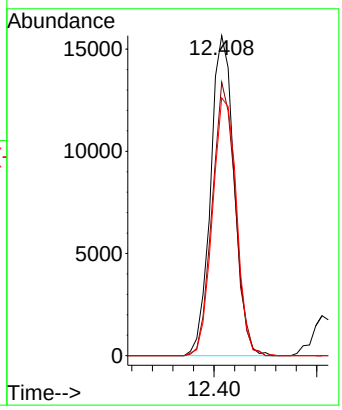


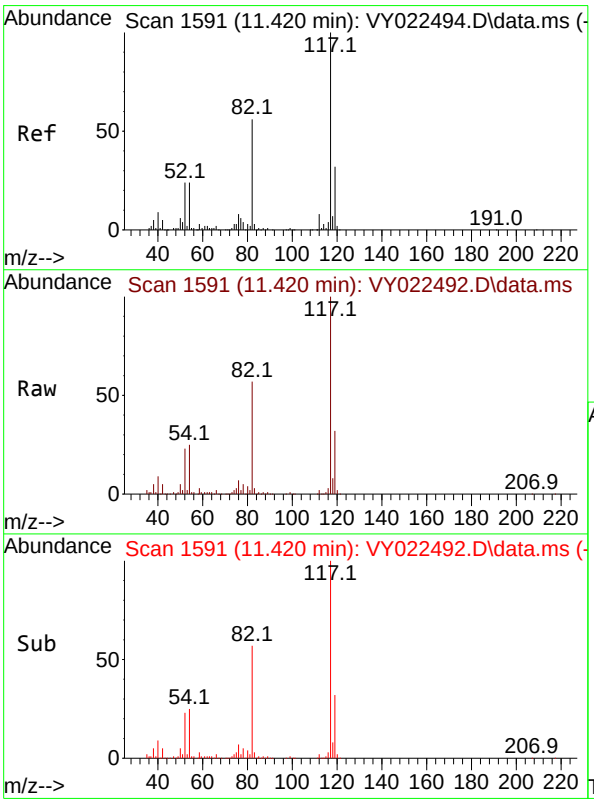
#62
4-Bromofluorobenzene
Concen: 9.409 ug/l
RT: 12.408 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 95 Resp: 24870

Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	170.0
176	82.2	0.0	166.2

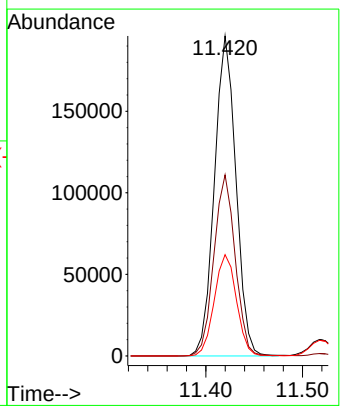


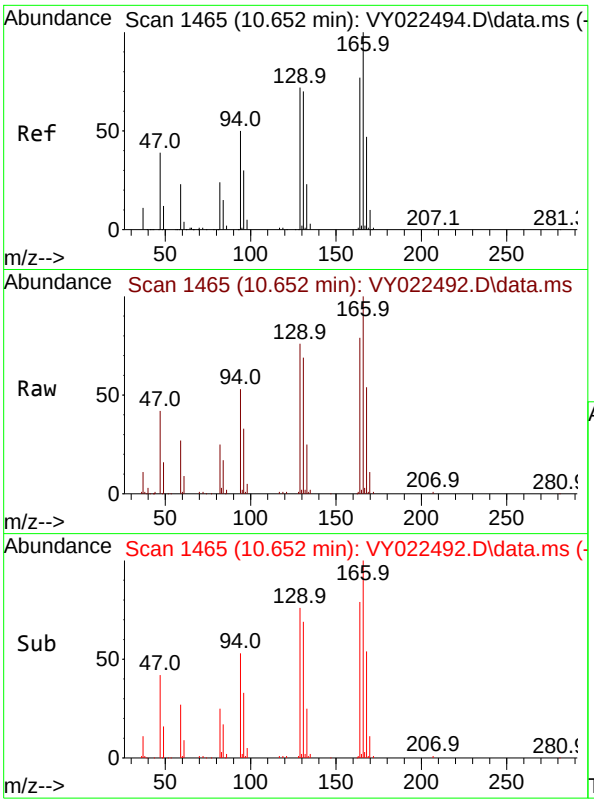


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:117 Resp: 302825

Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.6	66.8
119	31.7	25.4	38.0



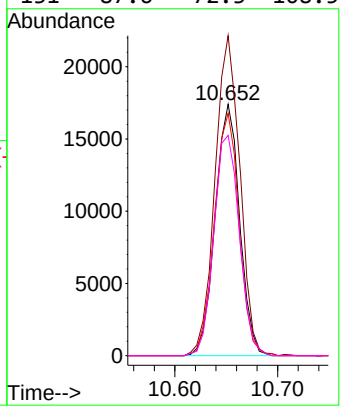


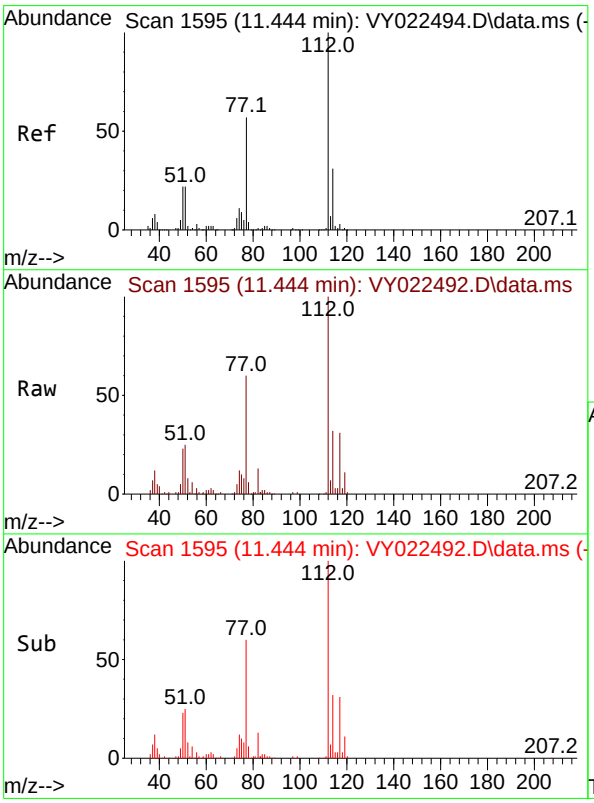
#64
Tetrachloroethene
Concen: 11.144 ug/l
RT: 10.652 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:164 Resp: 28680

Ion	Ratio	Lower	Upper
164	100		
166	127.3	104.0	156.0
129	96.5	74.5	111.7
131	87.6	72.3	108.5

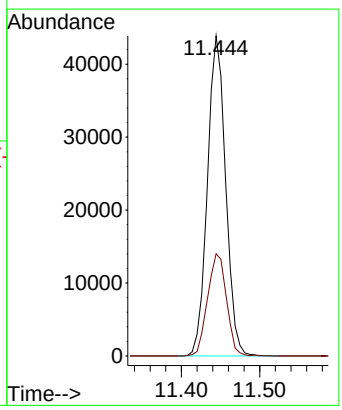


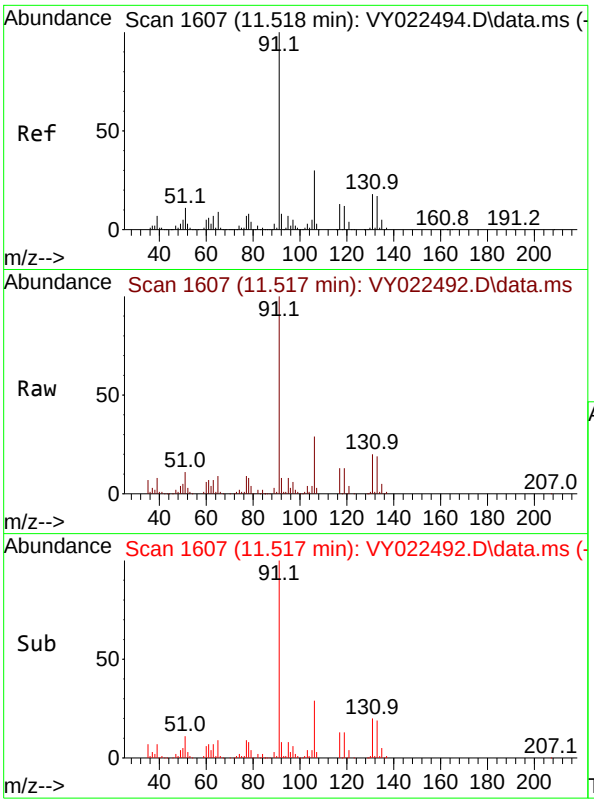


#65
Chlorobenzene
Concen: 10.789 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:112 Resp: 70845

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.0	37.6



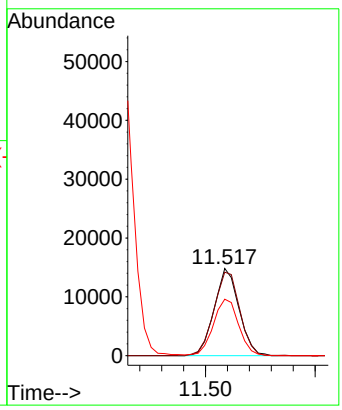


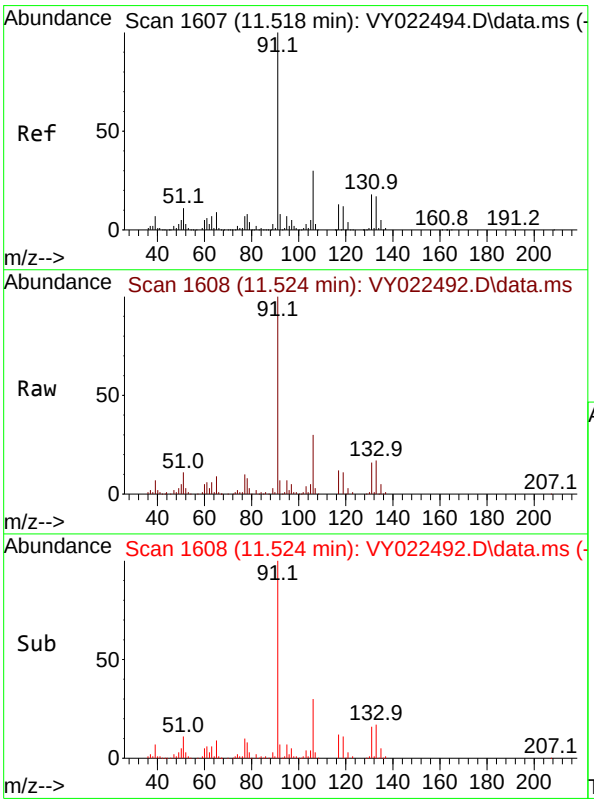
#66
1,1,1,2-Tetrachloroethane
Concen: 10.427 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:131 Resp: 23209

Ion	Ratio	Lower	Upper
131	100		
133	100.5	47.3	141.8
119	66.5	33.1	99.3

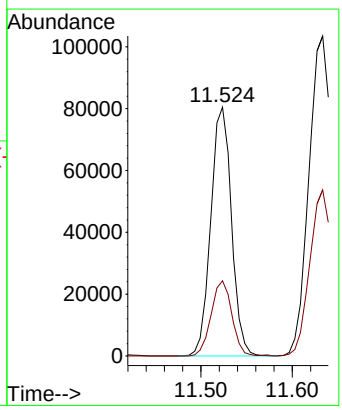


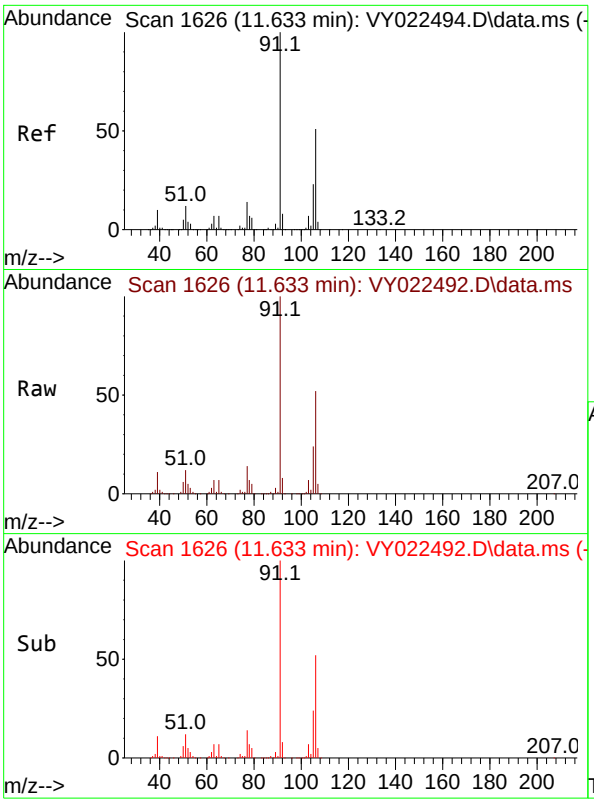


#67
Ethyl Benzene
Concen: 10.350 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 91 Resp: 126556

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.2	36.4



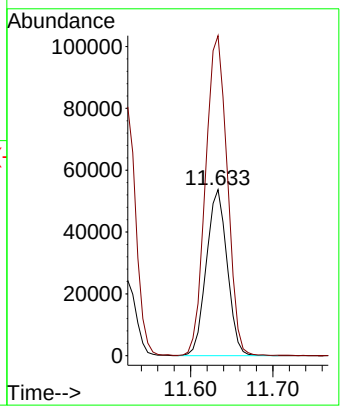


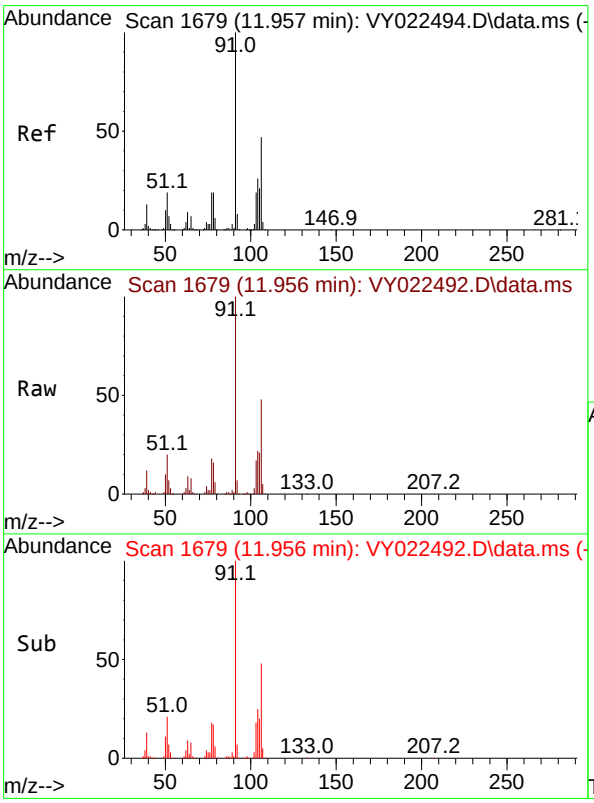
#68
m/p-Xylenes
Concen: 20.427 ug/l
RT: 11.633 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 94535

Ion	Ratio	Lower	Upper
106	100		
91	200.7	159.4	239.0

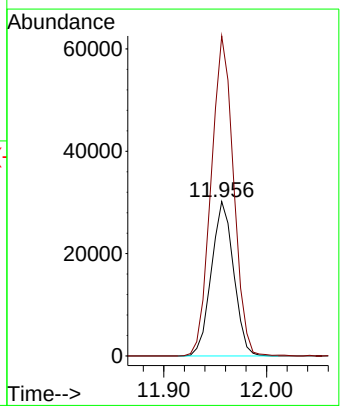


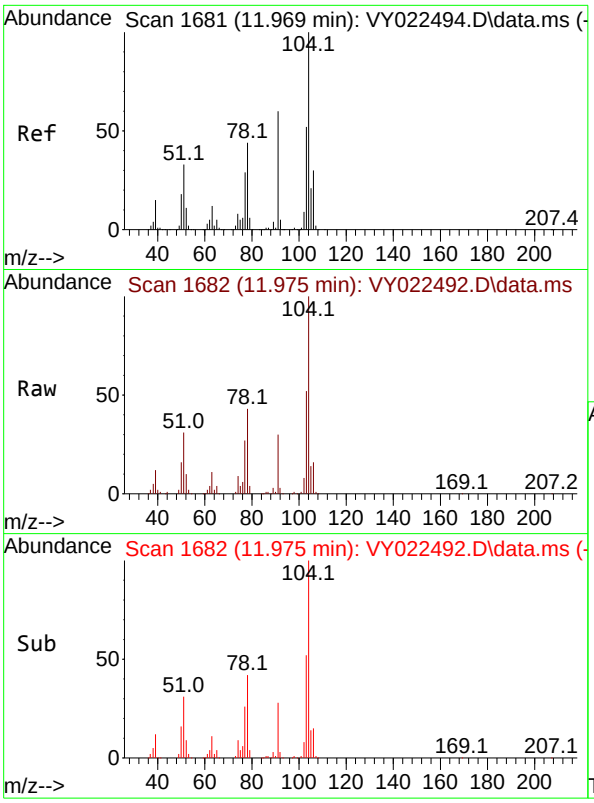


#69
o-Xylene
Concen: 10.476 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:106 Resp: 45374

Ion	Ratio	Lower	Upper
106	100		
91	209.3	105.8	317.3



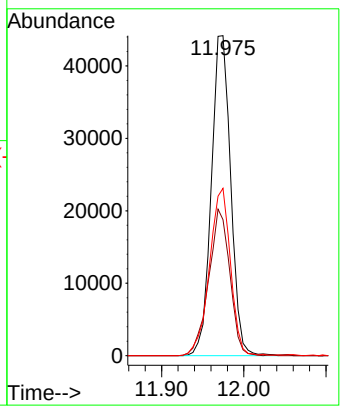


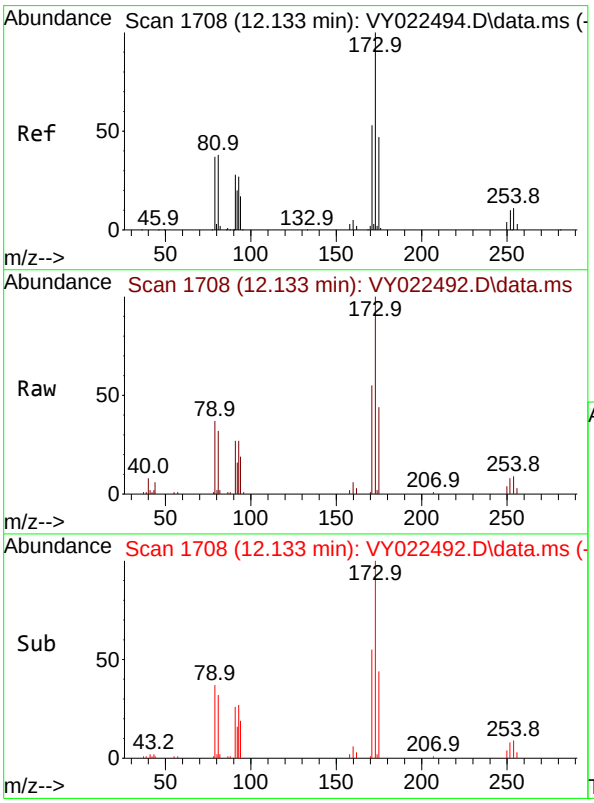
#70
Styrene
Concen: 10.092 ug/l
RT: 11.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:104 Resp: 72373

Ion	Ratio	Lower	Upper
104	100		
78	49.8	39.5	59.3
103	56.9	44.1	66.1

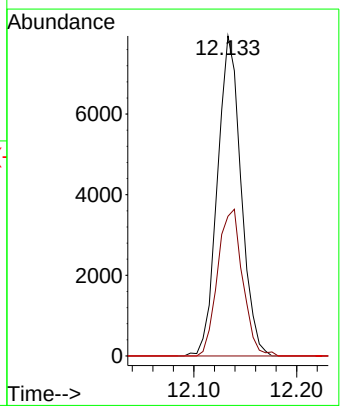


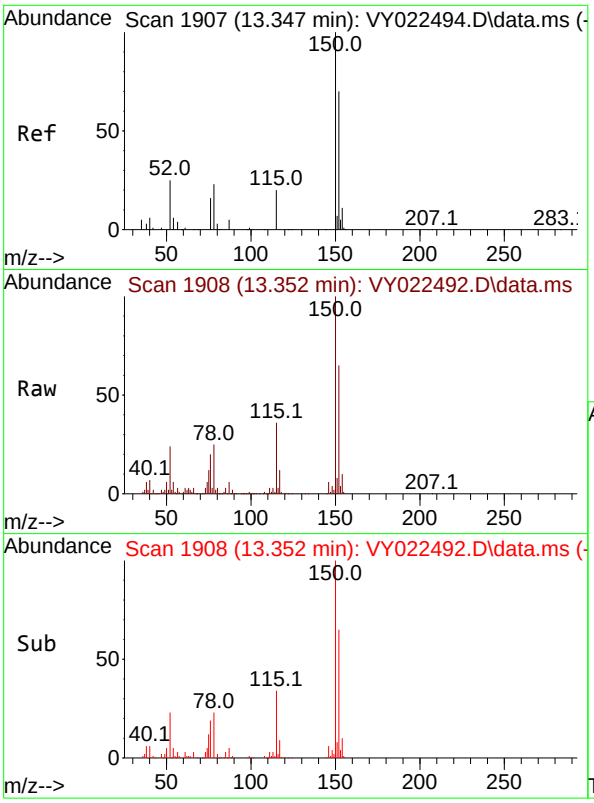


#71
Bromoform
Concen: 10.804 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:173 Resp: 12637

Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.8	71.5
254	0.0	0.0	0.0



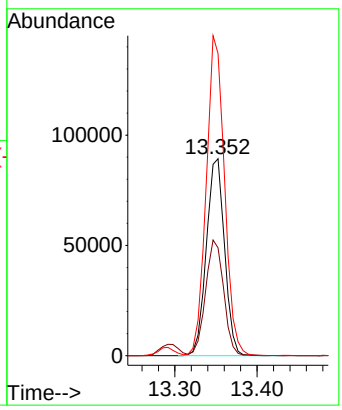


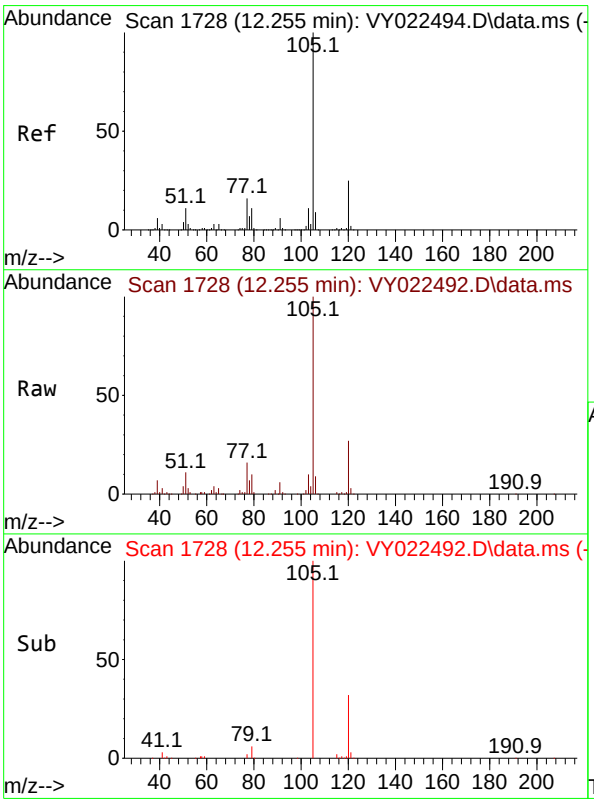
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:152 Resp: 137338

Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.9	86.7
150	162.7	0.0	349.6

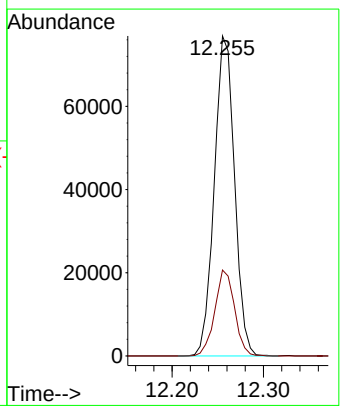


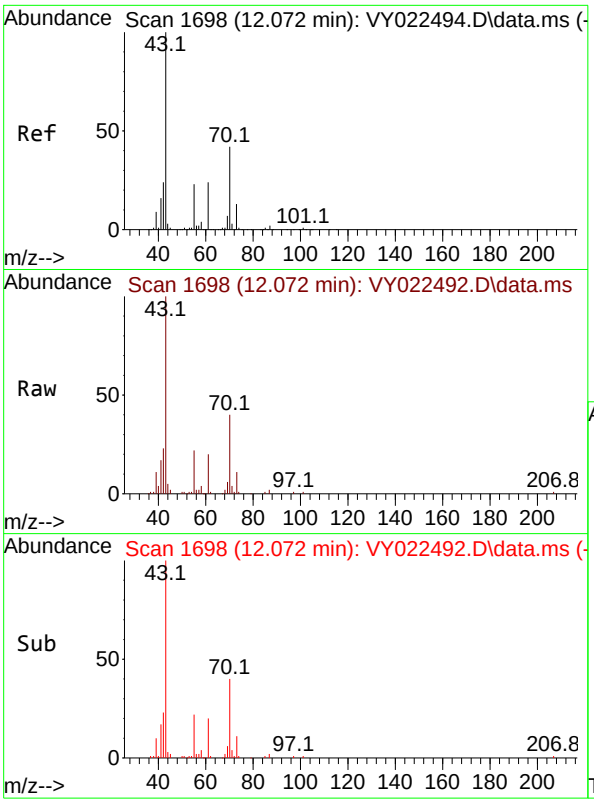


#73
Isopropylbenzene
Concen: 10.695 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:105 Resp: 118344

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.0	38.9



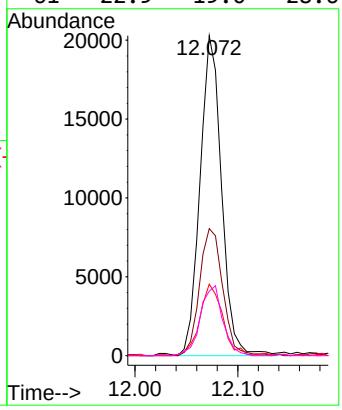


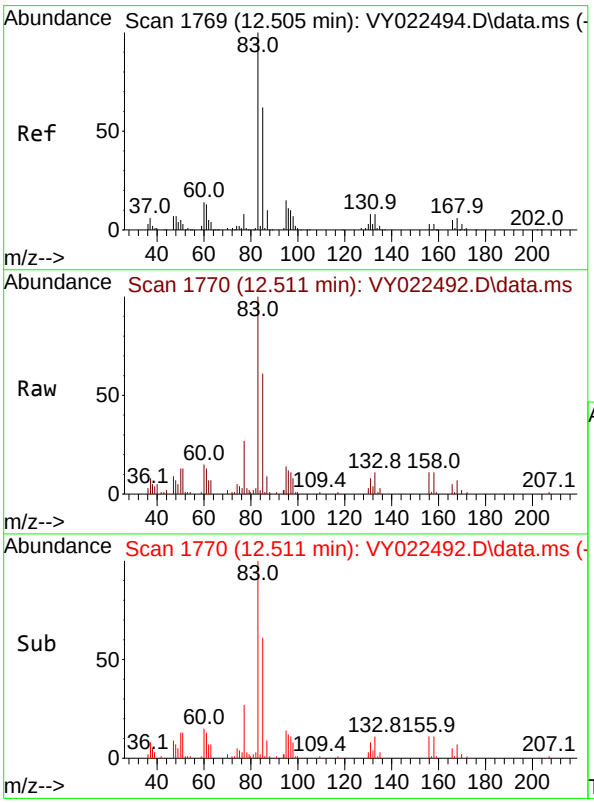
#74
N-amyl acetate
Concen: 10.581 ug/l
RT: 12.072 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 29609

Ion	Ratio	Lower	Upper
43	100		
70	42.8	34.2	51.2
55	23.8	18.2	27.4
61	22.9	19.0	28.6

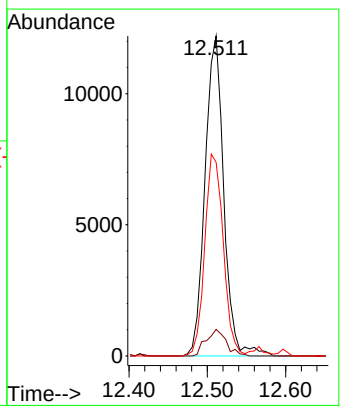


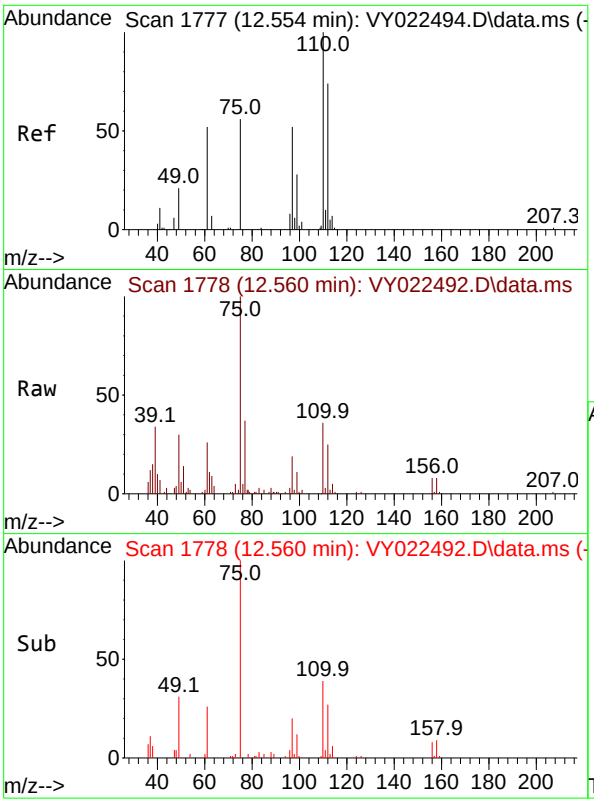


#75
1,1,2,2-Tetrachloroethane
Concen: 11.276 ug/l
RT: 12.511 min Scan# 1770
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 83 Resp: 20264

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.9	14.7
85	62.2	32.6	97.8



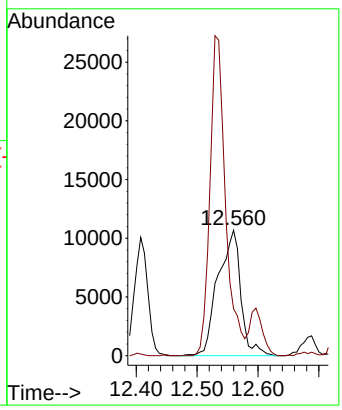


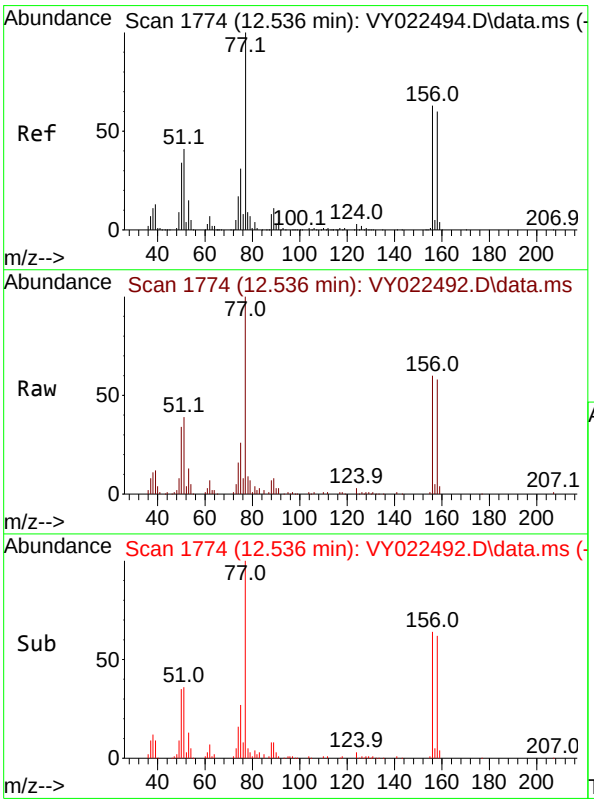
#76
1,2,3-Trichloropropane
Concen: 15.277 ug/l
RT: 12.560 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 27698

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

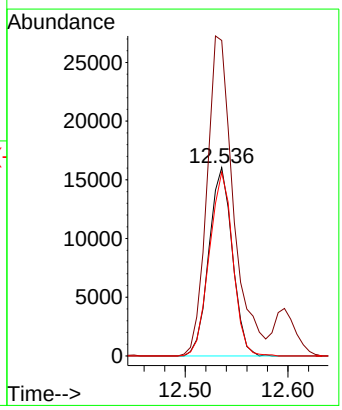


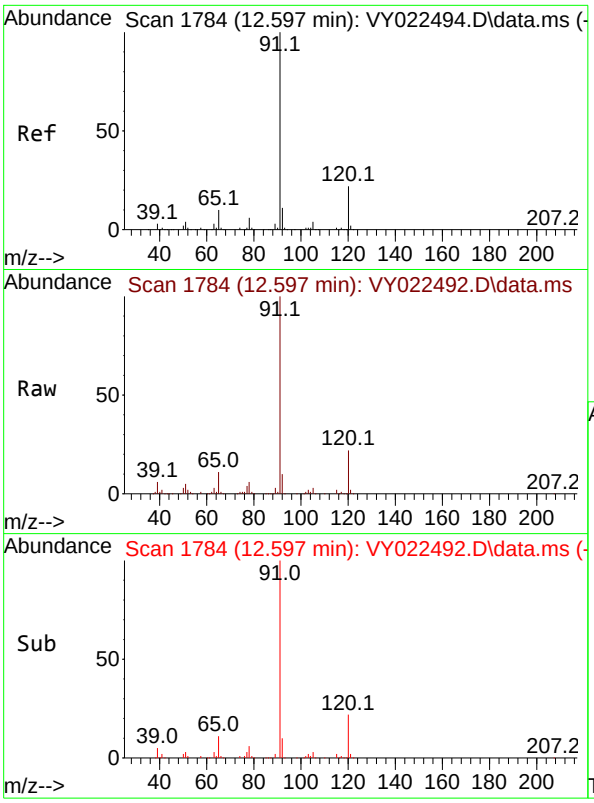


#77
Bromobenzene
Concen: 10.827 ug/l
RT: 12.536 min Scan# 1774
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:156 Resp: 25392

Ion	Ratio	Lower	Upper
156	100		
77	191.7	94.0	282.1
158	97.6	48.2	144.6



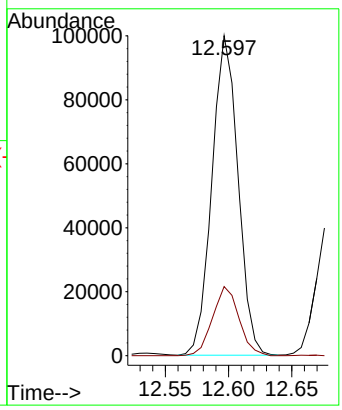


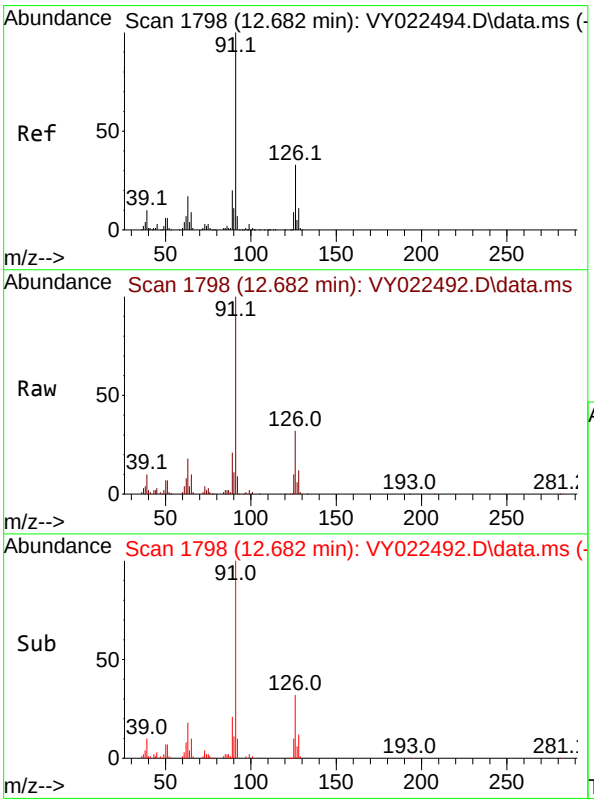
#78
n-propylbenzene
Concen: 10.648 ug/l
RT: 12.597 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 143414

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.8	32.4

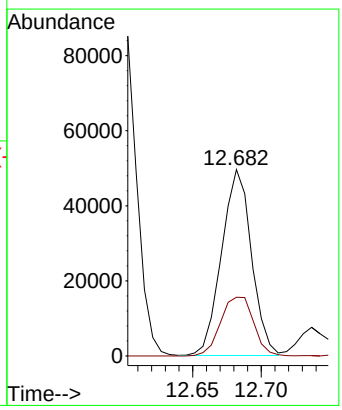


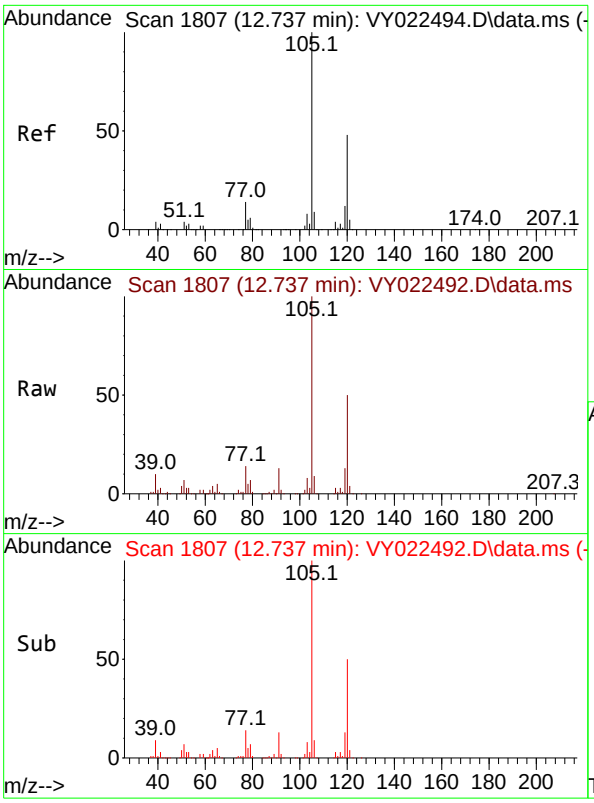


#79
2-Chlorotoluene
Concen: 10.591 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 91 Resp: 75325

Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.0	51.0



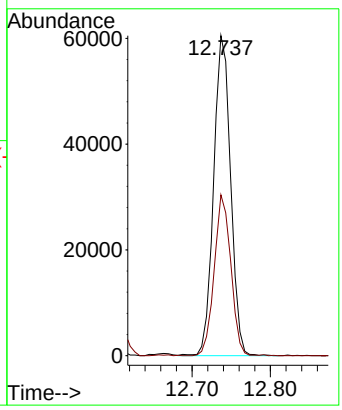


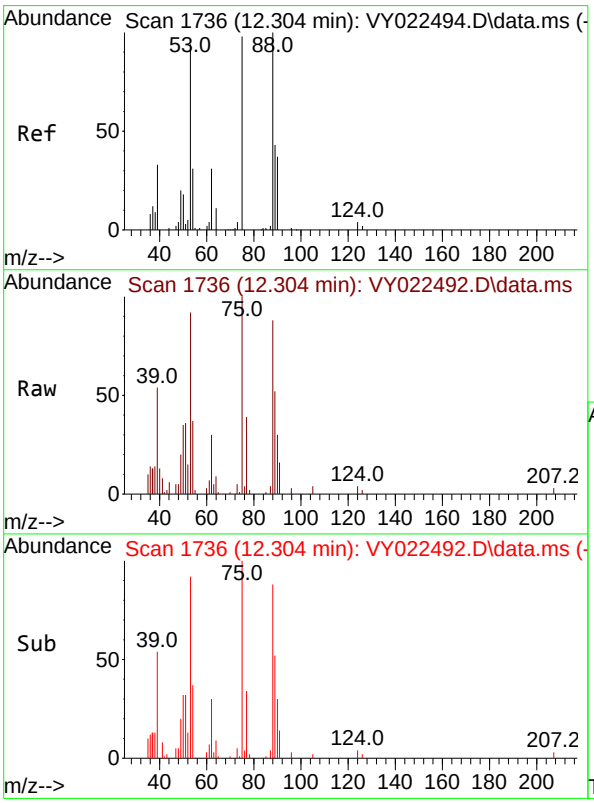
#80
1,3,5-Trimethylbenzene
Concen: 10.532 ug/l
RT: 12.737 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 91121

Ion	Ratio	Lower	Upper
105	100		
120	49.2	24.1	72.4

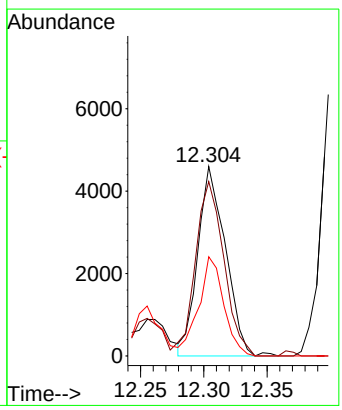


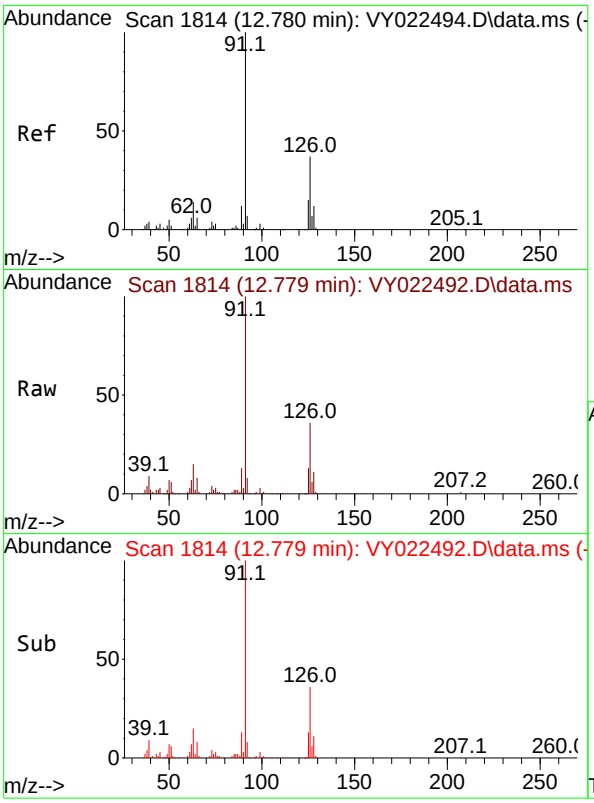


#81
trans-1,4-Dichloro-2-butene
Concen: 11.084 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 75 Resp: 7009

Ion	Ratio	Lower	Upper
75	100		
53	94.7	78.5	117.7
89	47.6	35.7	53.5



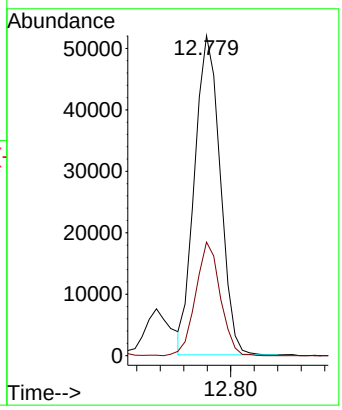


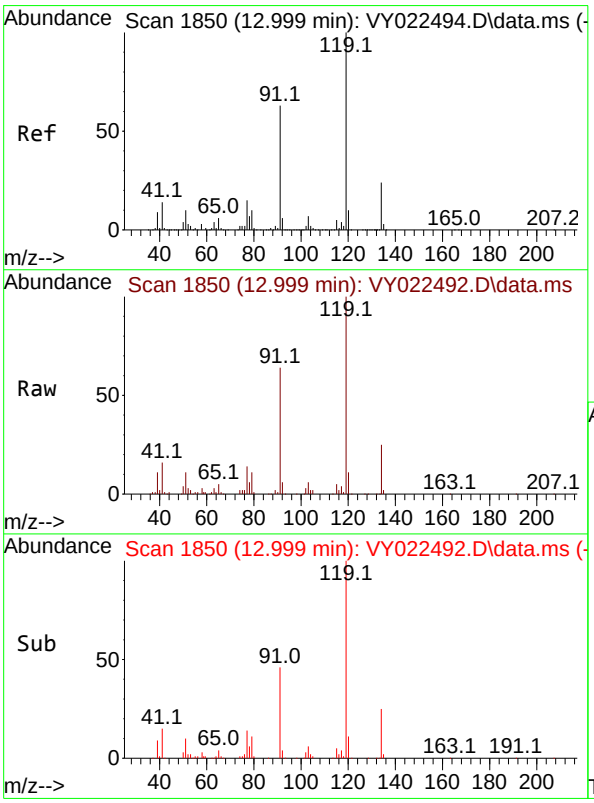
#82
4-Chlorotoluene
Concen: 10.676 ug/l
RT: 12.779 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 78689

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	50.9

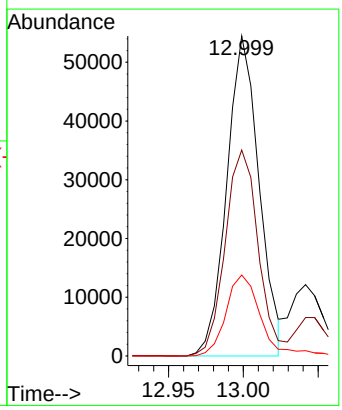


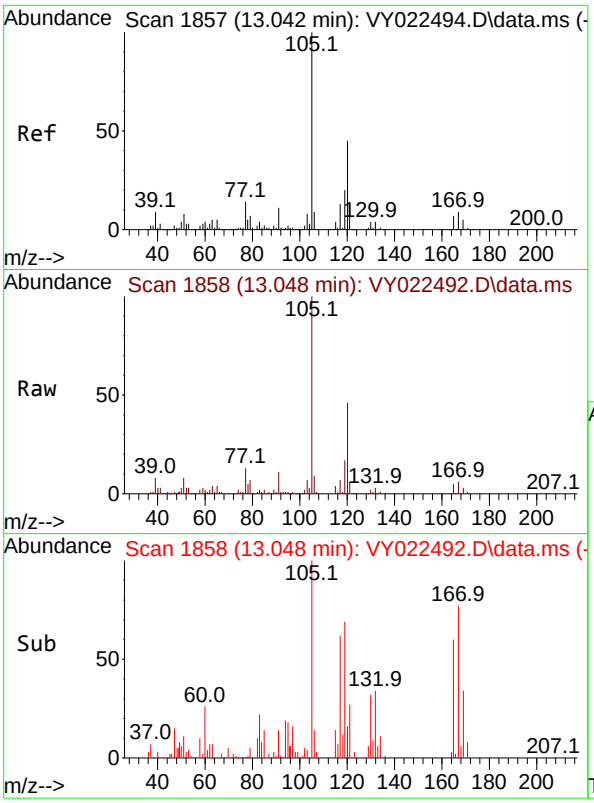


#83
tert-Butylbenzene
Concen: 10.367 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:119 Resp: 81823

Ion	Ratio	Lower	Upper
119	100		
91	66.3	32.1	96.3
134	27.2	13.0	38.9



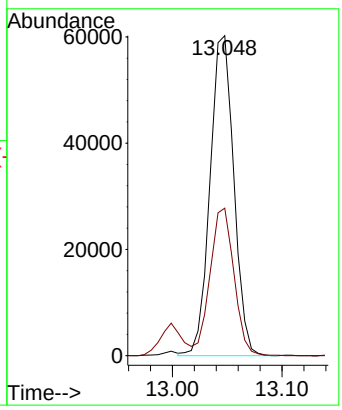


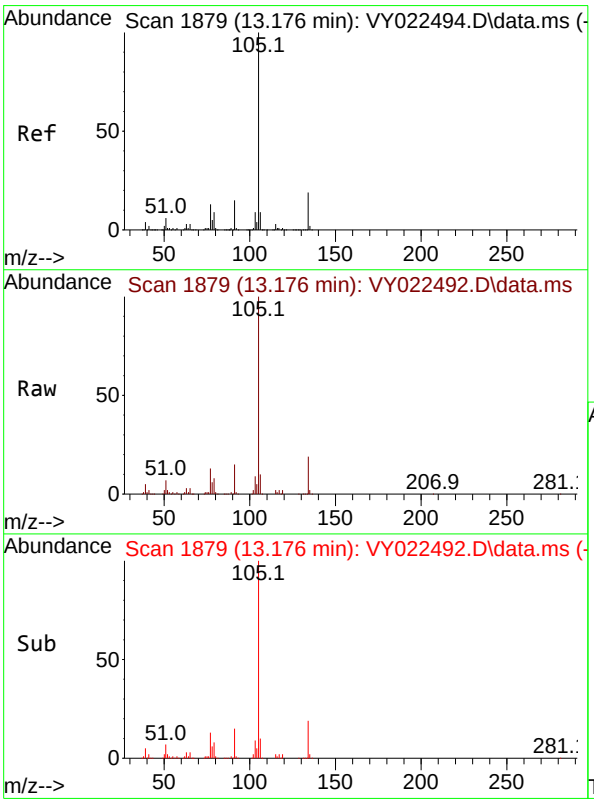
#84
1,2,4-Trimethylbenzene
Concen: 10.495 ug/l
RT: 13.048 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 90848

Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.7	68.1

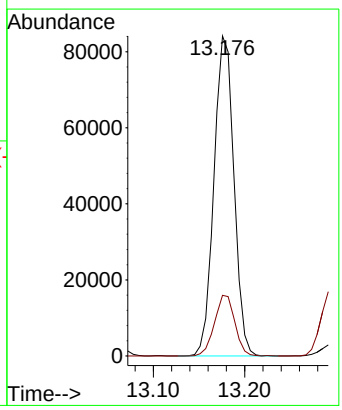


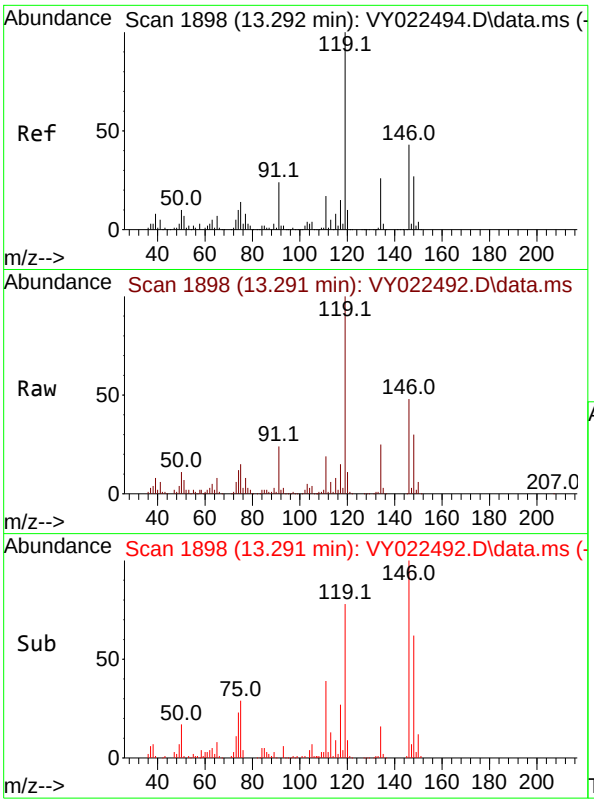


#85
sec-Butylbenzene
Concen: 10.678 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:105 Resp: 127776

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9



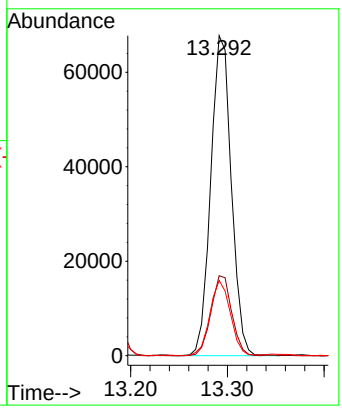


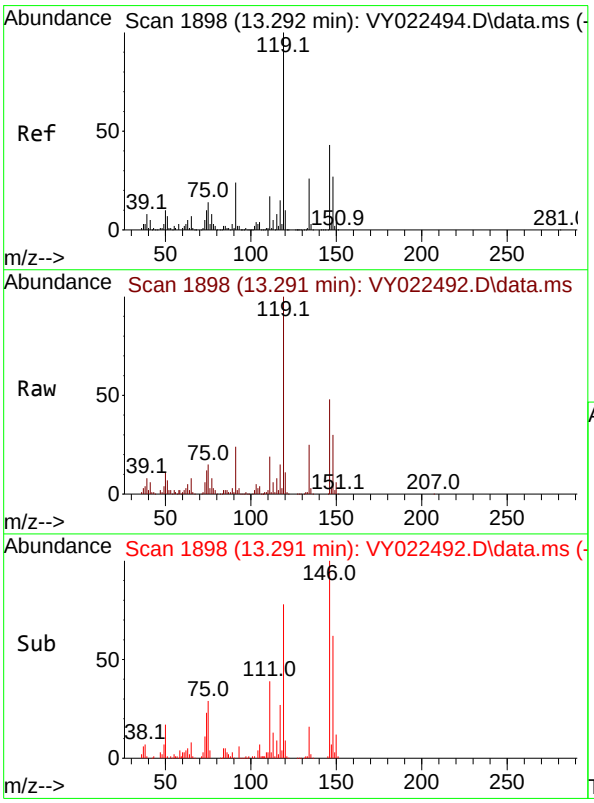
#86
p-Isopropyltoluene
Concen: 10.158 ug/l
RT: 13.291 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:119 Resp: 99940

Ion	Ratio	Lower	Upper
119	100		
134	25.2	13.1	39.1
91	23.5	11.6	34.8

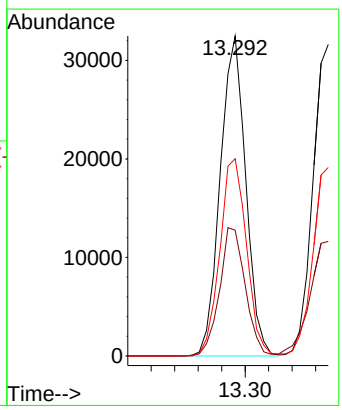


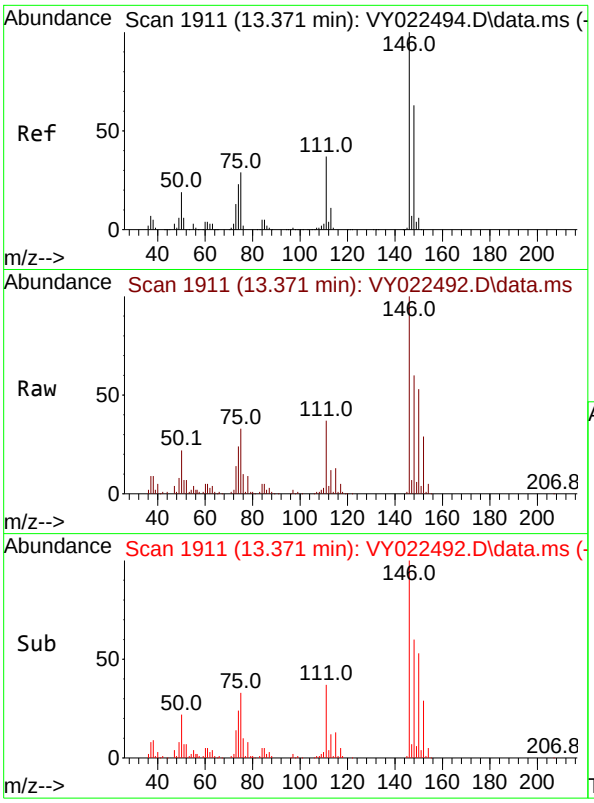


#87
1,3-Dichlorobenzene
Concen: 10.437 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:146 Resp: 48971

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.1	60.2
148	64.6	32.1	96.3



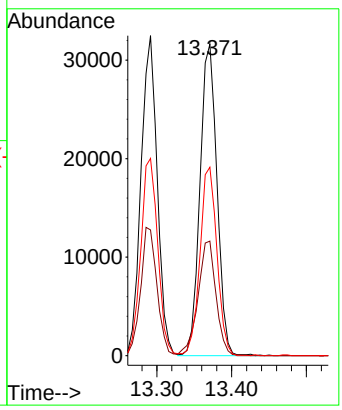


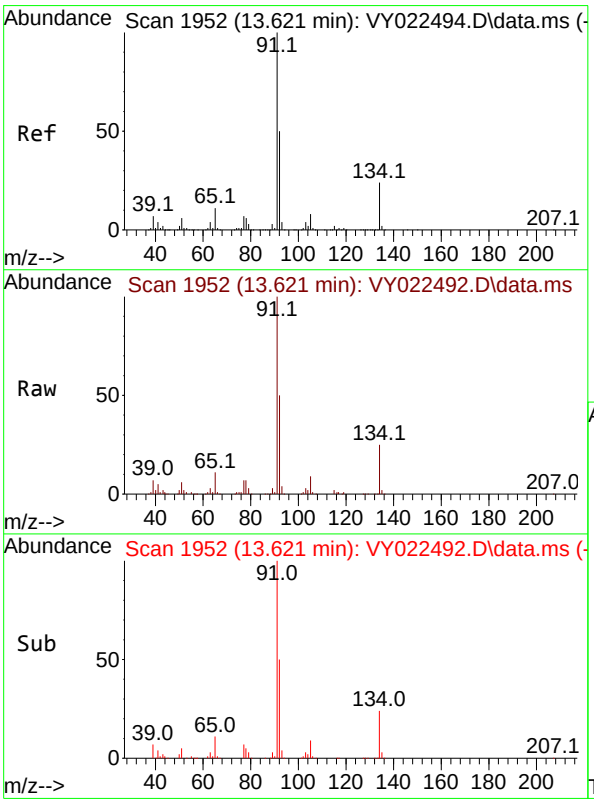
#88
1,4-Dichlorobenzene
Concen: 10.900 ug/l
RT: 13.371 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 49834

Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.2
148	60.6	31.6	94.8

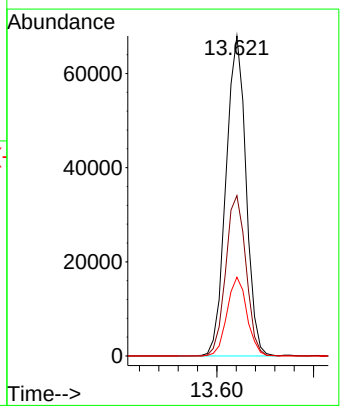


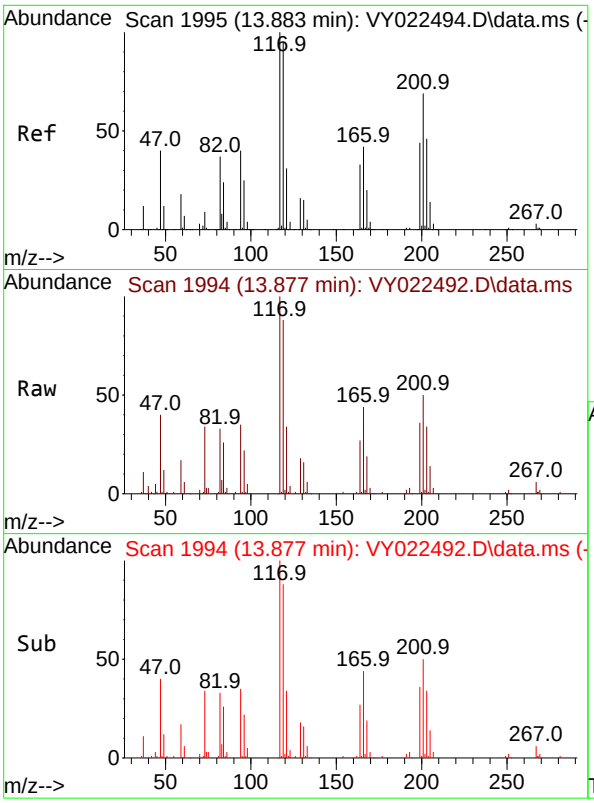


#89
n-Butylbenzene
Concen: 10.413 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion: 91 Resp: 97544

Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.9	77.8
134	24.6	12.0	36.1



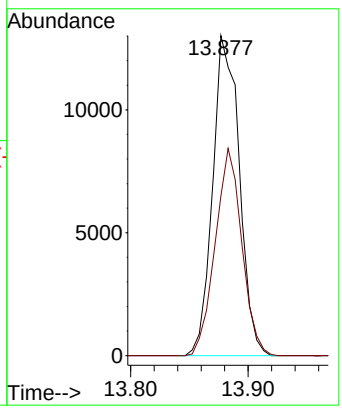


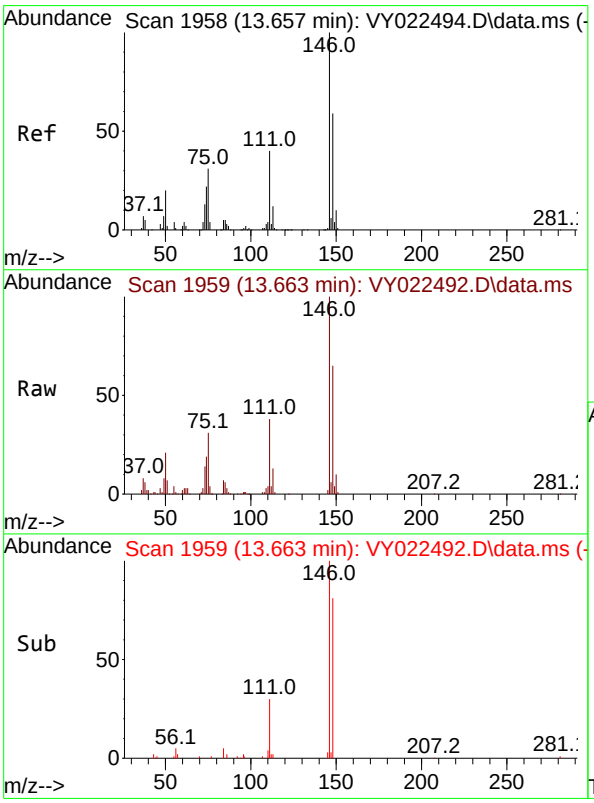
#90
Hexachloroethane
Concen: 10.631 ug/l
RT: 13.877 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:117 Resp: 20466

Ion	Ratio	Lower	Upper
117	100		
201	64.9	34.0	102.0

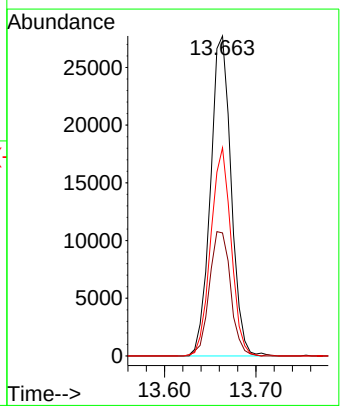


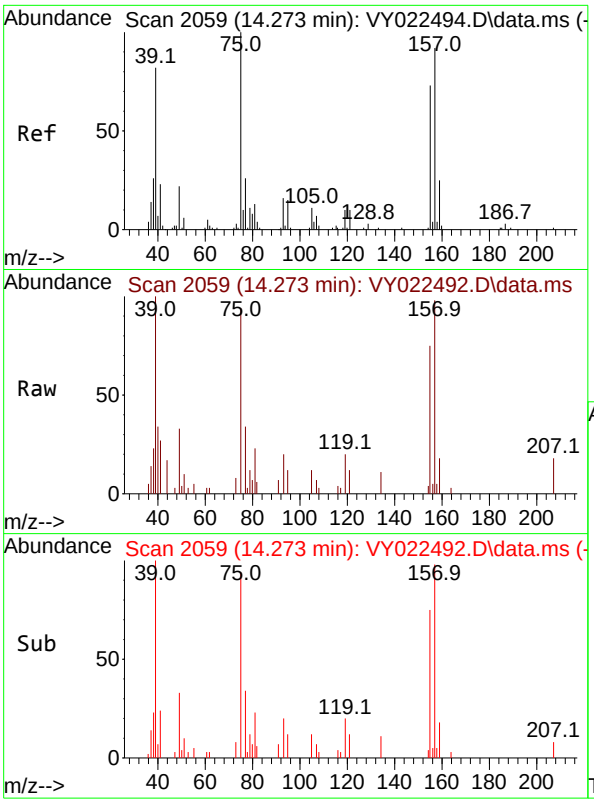


#91
1,2-Dichlorobenzene
Concen: 10.781 ug/l
RT: 13.663 min Scan# 1959
Delta R.T. 0.006 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:146 Resp: 43460

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.2	60.6
148	64.0	31.4	94.0



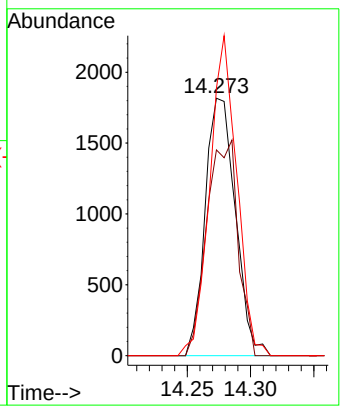


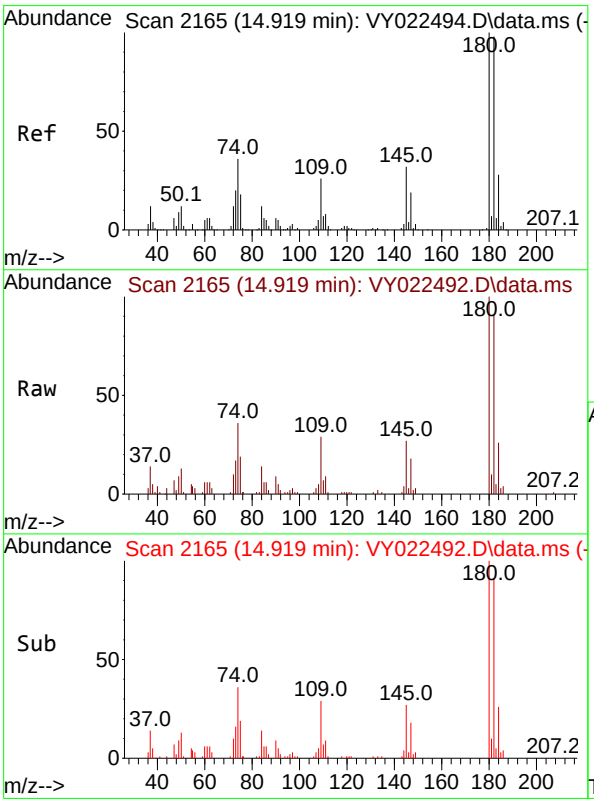
#92
1,2-Dibromo-3-Chloropropane
Concen: 11.095 ug/l
RT: 14.273 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 3014

Ion	Ratio	Lower	Upper
75	100		
155	86.2	39.9	119.6
157	111.3	54.0	162.0

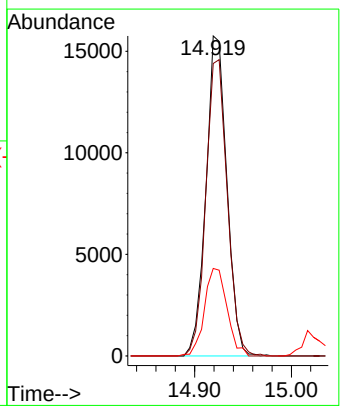


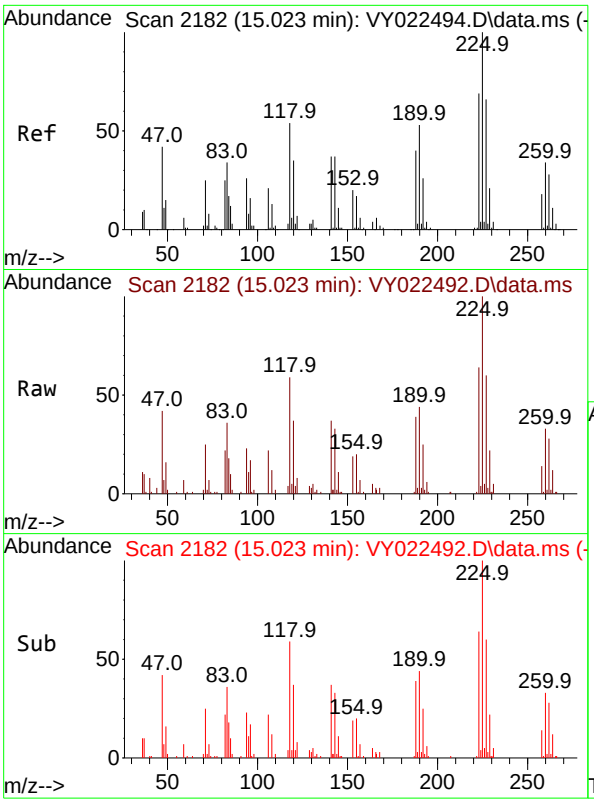


#93
1,2,4-Trichlorobenzene
Concen: 10.760 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:180 Resp: 23710

Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.4	145.3
145	29.5	15.5	46.5



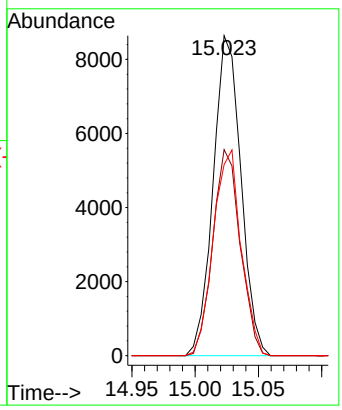


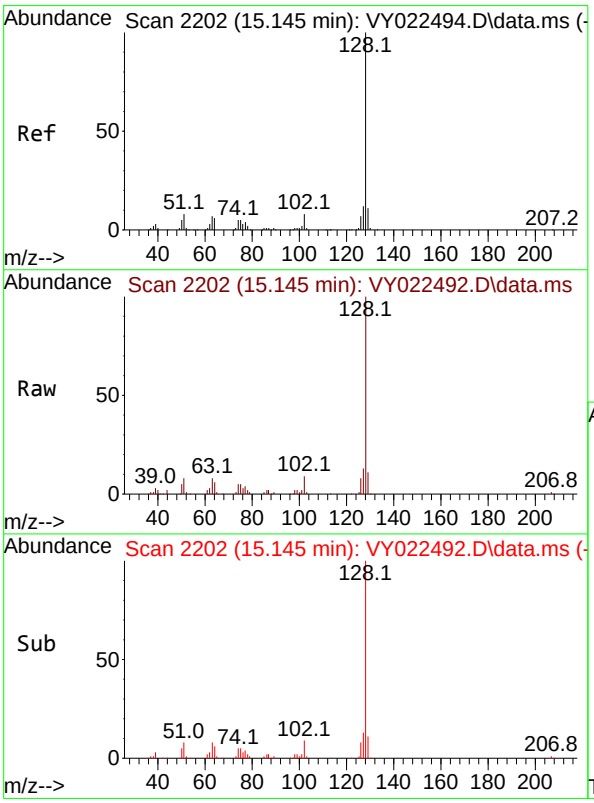
#94
Hexachlorobutadiene
Concen: 10.951 ug/l
RT: 15.023 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:225 Resp: 13179

Ion	Ratio	Lower	Upper
225	100		
223	63.6	32.5	97.4
227	64.7	32.3	96.9

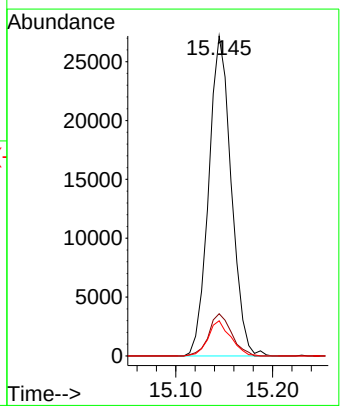


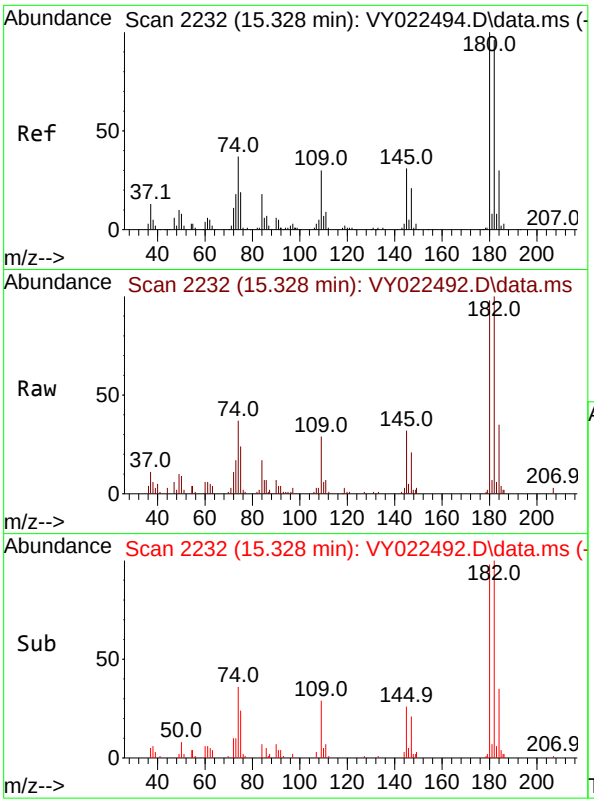


#95
Naphthalene
Concen: 10.434 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Tgt Ion:128 Resp: 44061

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	10.9	8.9	13.3



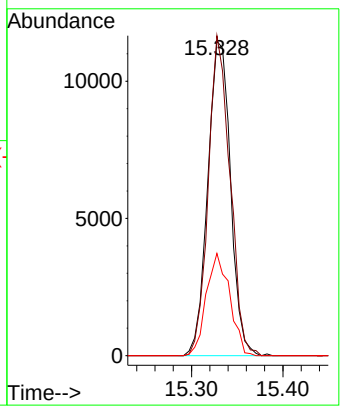


#96
1,2,3-Trichlorobenzene
Concen: 10.581 ug/l
RT: 15.328 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022492.D
Acq: 02 Jun 2025 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:180 Resp: 19814

Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.1	141.3
145	33.5	15.2	45.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	217359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	369398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	314276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	144385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	48383	20.457	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 40.920%#			
35) Dibromofluoromethane	7.640	113	44482	20.456	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 40.920%#			
50) Toluene-d8	10.109	98	171165	19.474	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 38.940%#			
62) 4-Bromofluorobenzene	12.408	95	51231	19.225	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 38.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	43056	22.669	ug/l	99
3) Chloromethane	2.068	50	124441	22.209	ug/l	98
4) Vinyl Chloride	2.208	62	143182	21.833	ug/l	99
5) Bromomethane	2.592	94	148203	23.891	ug/l	99
6) Chloroethane	2.739	64	104116	23.188	ug/l	98
7) Trichlorofluoromethane	3.056	101	124370	22.320	ug/l	94
8) Diethyl Ether	3.458	74	27359	22.230	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	49746	21.283	ug/l	99
10) Methyl Iodide	4.013	142	52917	21.112	ug/l	99
11) Tert butyl alcohol	4.891	59	19456	115.163	ug/l	96
12) 1,1-Dichloroethene	3.793	96	47770	21.411	ug/l	100
13) Acrolein	3.659	56	22974	111.404	ug/l	98
14) Allyl chloride	4.391	41	73926	21.263	ug/l	98
15) Acrylonitrile	5.073	53	57803	110.420	ug/l	97
16) Acetone	3.885	43	52330	111.925	ug/l	99
17) Carbon Disulfide	4.110	76	150515	21.130	ug/l	99
18) Methyl Acetate	4.397	43	34419	24.470	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	136549	21.935	ug/l	98
20) Methylene Chloride	4.622	84	55399	21.222	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	53194	21.342	ug/l	93
22) Diisopropyl ether	6.031	45	168064	21.739	ug/l	97
23) Vinyl Acetate	5.970	43	497937	108.569	ug/l	99
24) 1,1-Dichloroethane	5.927	63	97760	21.392	ug/l	97
25) 2-Butanone	6.902	43	77329	112.124	ug/l	93
26) 2,2-Dichloropropane	6.890	77	84543	20.811	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	61362	21.300	ug/l	98
28) Bromochloromethane	7.256	49	41634	21.085	ug/l	99
29) Tetrahydrofuran	7.268	42	49517	111.296	ug/l	99
30) Chloroform	7.427	83	96414	21.350	ug/l	96
31) Cyclohexane	7.707	56	95487	20.762	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	84365	20.905	ug/l	99
36) 1,1-Dichloropropene	7.841	75	72658	20.670	ug/l	98
37) Ethyl Acetate	6.988	43	34204	22.110	ug/l	98
38) Carbon Tetrachloride	7.823	117	73370	20.247	ug/l	93
39) Methylcyclohexane	9.115	83	95280	20.065	ug/l	97
40) Benzene	8.085	78	217595	21.000	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	19470	19.542	ug/l		95
42) 1,2-Dichloroethane	8.164	62	61097	21.676	ug/l		98
43) Isopropyl Acetate	8.201	43	73745	21.814	ug/l		97
44) Trichloroethene	8.872	130	52175	20.613	ug/l		98
45) 1,2-Dichloropropane	9.146	63	52378	21.204	ug/l		99
46) Dibromomethane	9.237	93	29741	21.491	ug/l		99
47) Bromodichloromethane	9.426	83	73717	20.995	ug/l		99
48) Methyl methacrylate	9.225	41	34508	22.294	ug/l		99
49) 1,4-Dioxane	9.237	88	7444	450.895	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	181461	108.147	ug/l		98
52) Toluene	10.176	92	133601	20.508	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	70358	21.660	ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	80524	21.141	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	38079	21.849	ug/l		98
56) Ethyl methacrylate	10.444	69	54734	21.626	ug/l		99
57) 1,3-Dichloropropane	10.719	76	66163	21.317	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.713	63	118244	104.797	ug/l		100
59) 2-Hexanone	10.761	43	122817	109.805	ug/l		99
60) Dibromochloromethane	10.914	129	47952	21.715	ug/l		98
61) 1,2-Dibromoethane	11.018	107	35324	21.965	ug/l		95
64) Tetrachloroethene	10.652	164	56256	21.063	ug/l		99
65) Chlorobenzene	11.444	112	138583	20.336	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	47587	20.600	ug/l		98
67) Ethyl Benzene	11.524	91	252180	19.871	ug/l		100
68) m/p-Xylenes	11.633	106	192372	40.053	ug/l		99
69) o-Xylene	11.956	106	90598	20.155	ug/l		98
70) Styrene	11.969	104	149486	20.086	ug/l		98
71) Bromoform	12.133	173	25089	20.668	ug/l	#	99
73) Isopropylbenzene	12.255	105	236185	20.303	ug/l		99
74) N-amyl acetate	12.072	43	62437	21.224	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	39986	21.165	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	56811	29.805	ug/l	#	100
77) Bromobenzene	12.536	156	51416	20.853	ug/l		99
78) n-propylbenzene	12.597	91	286589	20.239	ug/l		99
79) 2-Chlorotoluene	12.682	91	153250	20.497	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	187101	20.570	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	13897	20.904	ug/l		97
82) 4-Chlorotoluene	12.779	91	154601	19.951	ug/l		99
83) tert-Butylbenzene	12.999	119	167512	20.188	ug/l		100
84) 1,2,4-Trimethylbenzene	13.048	105	184202	20.241	ug/l		100
85) sec-Butylbenzene	13.176	105	251350	19.979	ug/l		100
86) p-Isopropyltoluene	13.292	119	207417	20.054	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	99901	20.252	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	100082	20.823	ug/l		98
89) n-Butylbenzene	13.621	91	199786	20.287	ug/l		99
90) Hexachloroethane	13.883	117	41119	20.316	ug/l		100
91) 1,2-Dichlorobenzene	13.663	146	89355	21.085	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5939	20.796	ug/l		94
93) 1,2,4-Trichlorobenzene	14.925	180	46919	20.254	ug/l		99
94) Hexachlorobutadiene	15.023	225	25462	20.124	ug/l		99
95) Naphthalene	15.145	128	93203	20.994	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	41131	20.892	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

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

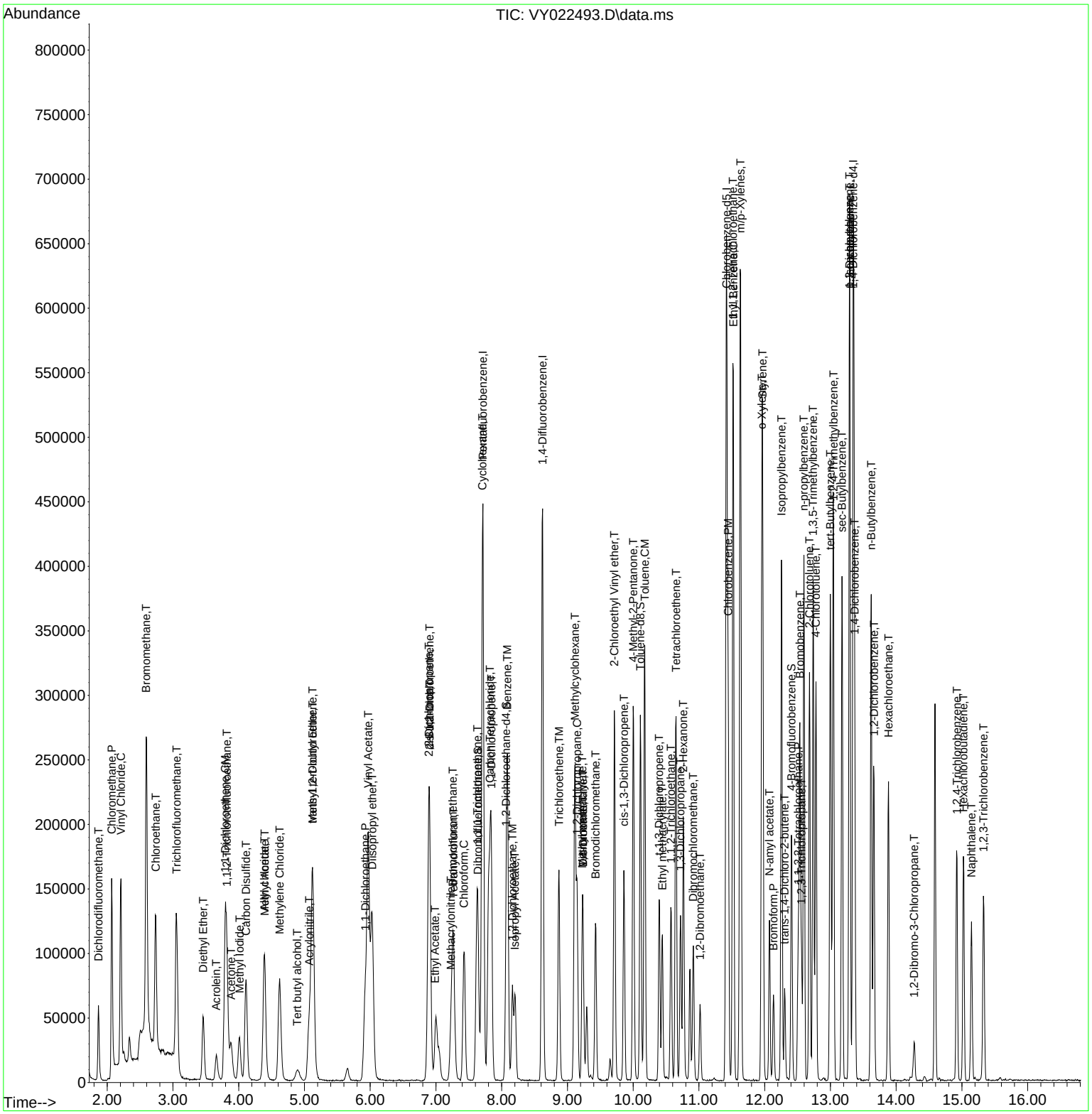
(#) = qualifier out of range (m) = manual integration (+) = signals summed

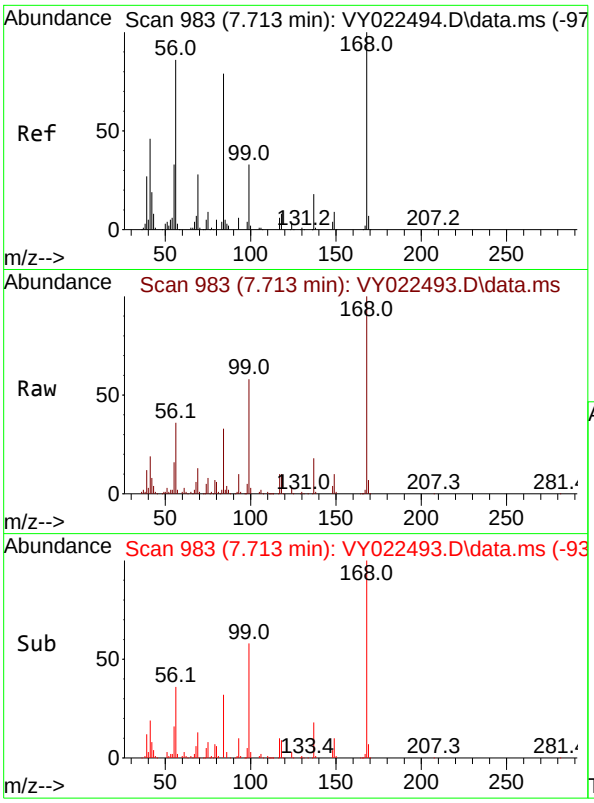
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022493.D
Acq On : 02 Jun 2025 12:32
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Jun 03 02:54:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration



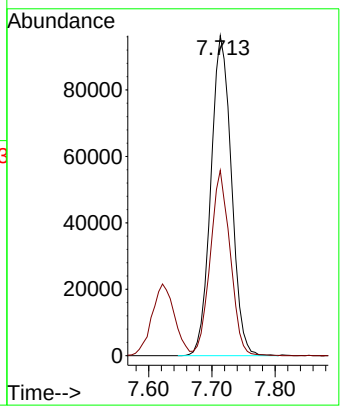


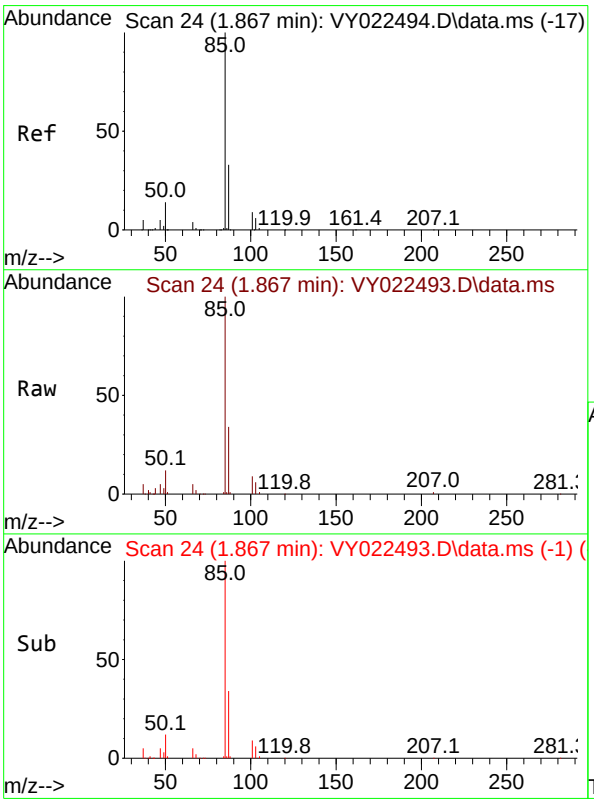
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 217359

Ion	Ratio	Lower	Upper
168	100		
99	57.8	44.3	66.5

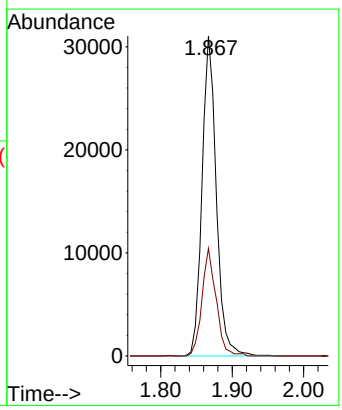


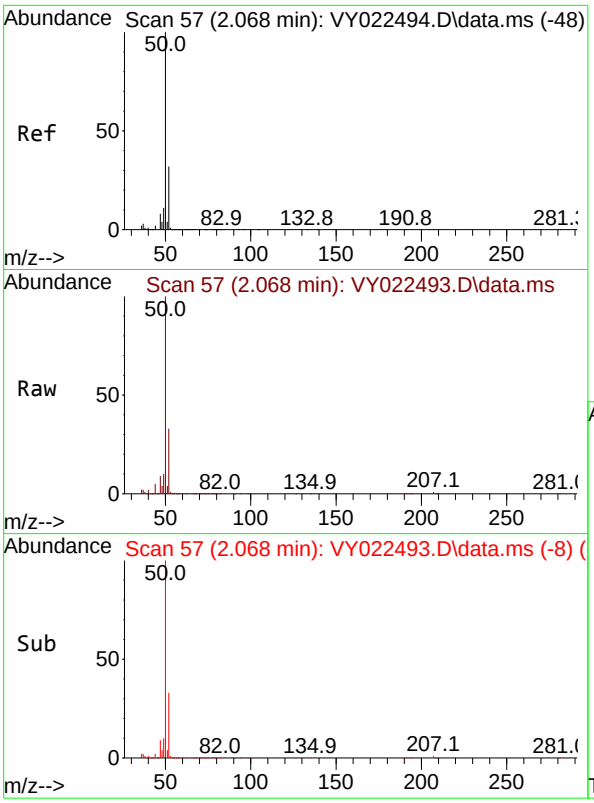


#2
Dichlorodifluoromethane
Concen: 22.669 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 85 Resp: 43056

Ion	Ratio	Lower	Upper
85	100		
87	33.6	16.7	50.0



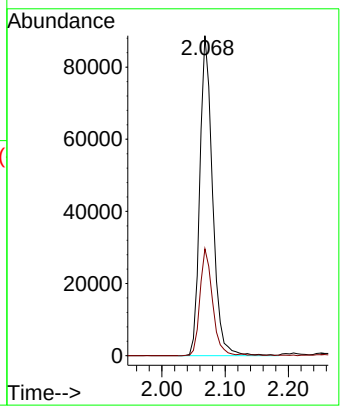


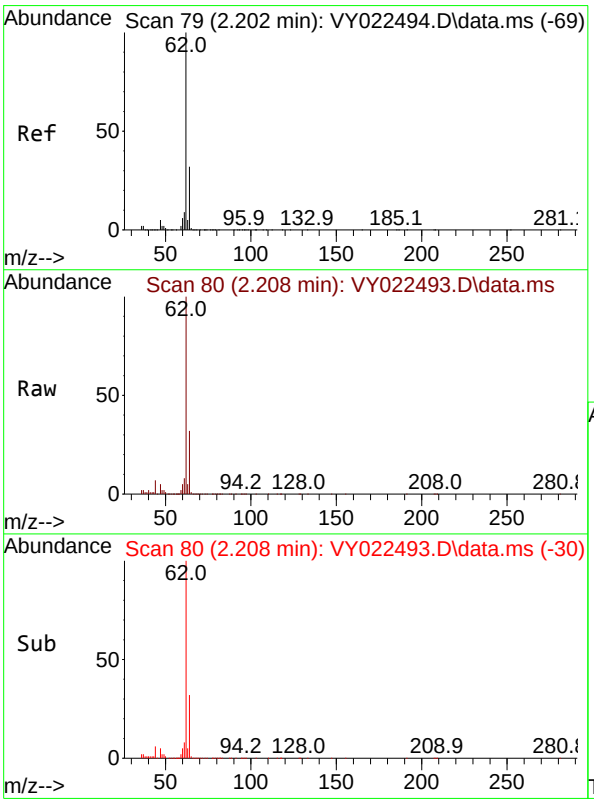
#3
Chloromethane
Concen: 22.209 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 124441

Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.0	39.0

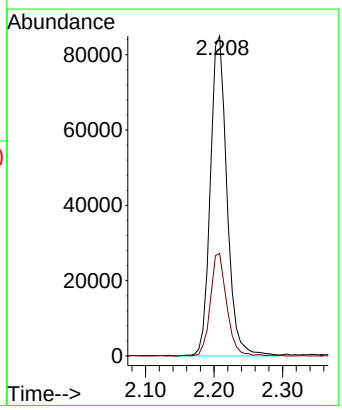


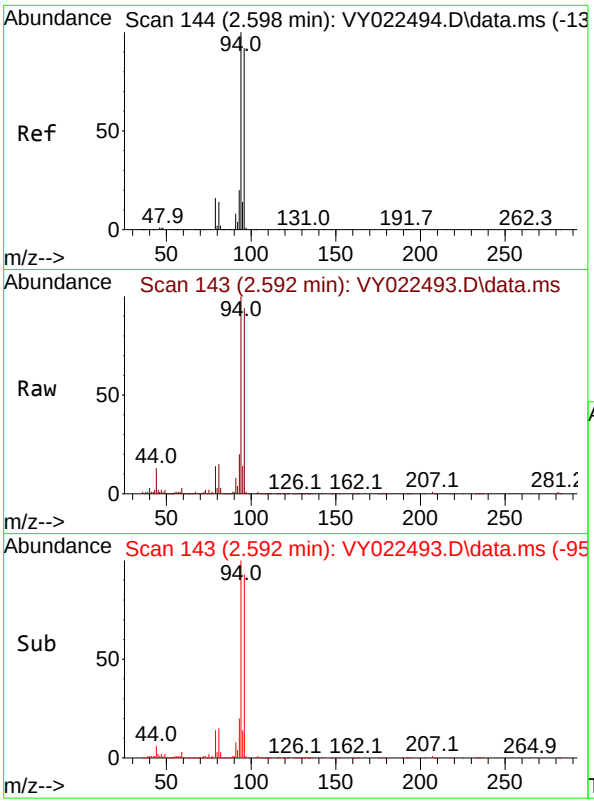


#4
Vinyl Chloride
Concen: 21.833 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 62 Resp: 143182

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.3	37.9



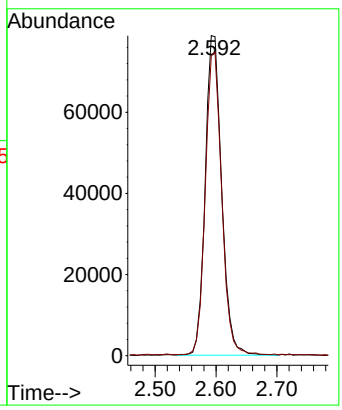


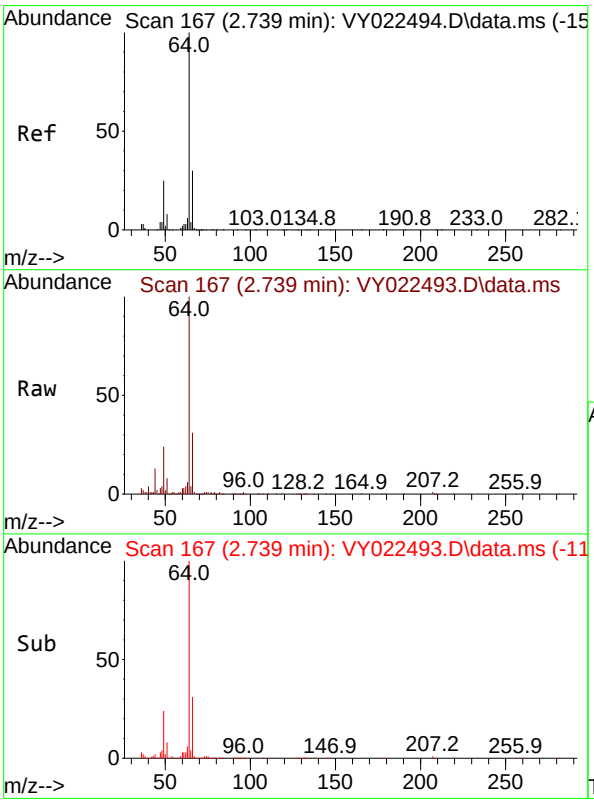
#5
Bromomethane
Concen: 23.891 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 148203

Ion	Ratio	Lower	Upper
94	100		
96	93.5	74.0	111.0

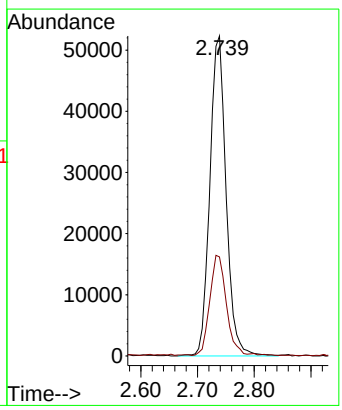


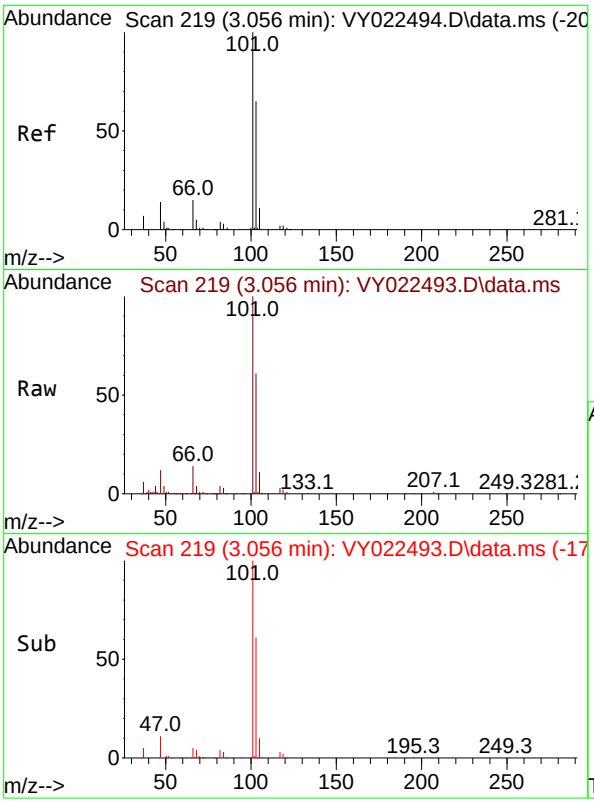


#6
Chloroethane
Concen: 23.188 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 64 Resp: 104116

Ion	Ratio	Lower	Upper
64	100		
66	30.8	23.8	35.6



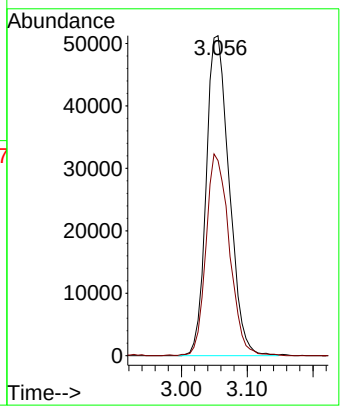


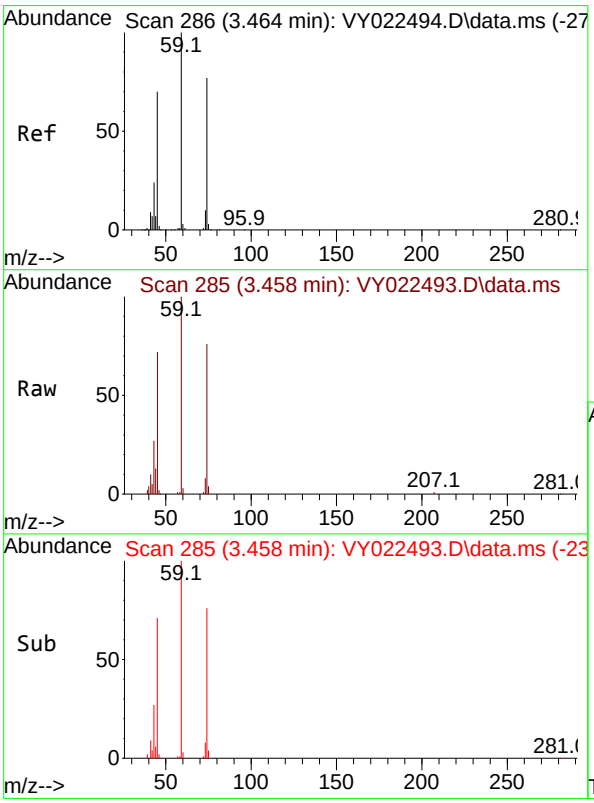
#7
Trichlorofluoromethane
Concen: 22.320 ug/l
RT: 3.056 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 124370

Ion	Ratio	Lower	Upper
101	100		
103	60.8	52.2	78.2

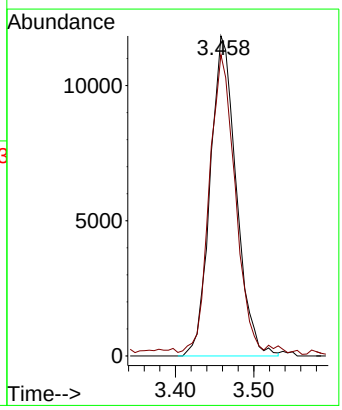


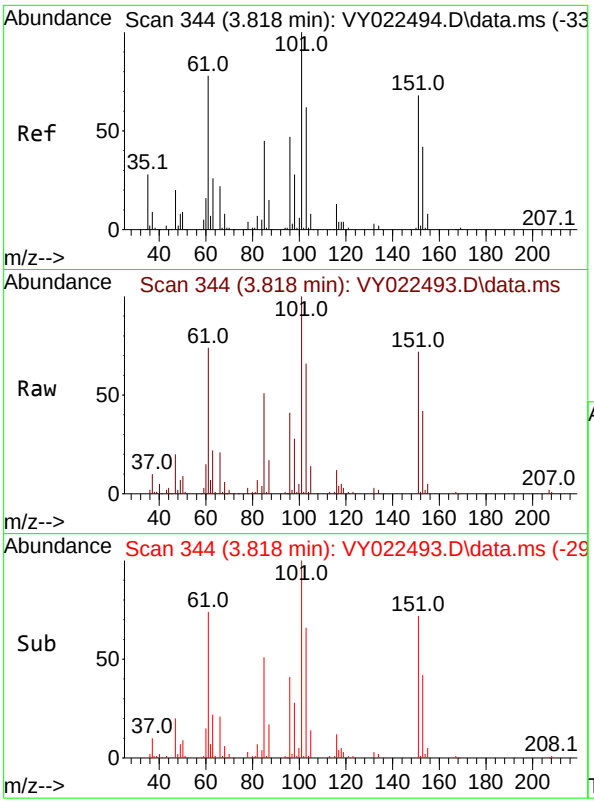


#8
Diethyl Ether
Concen: 22.230 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 74 Resp: 27359

Ion	Ratio	Lower	Upper
74	100		
45	91.2	45.9	137.6



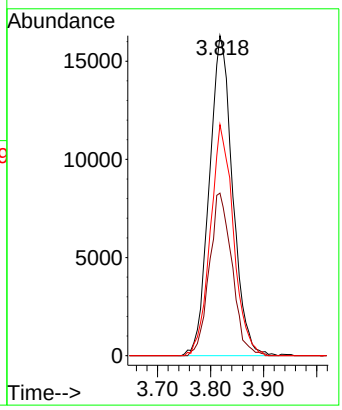


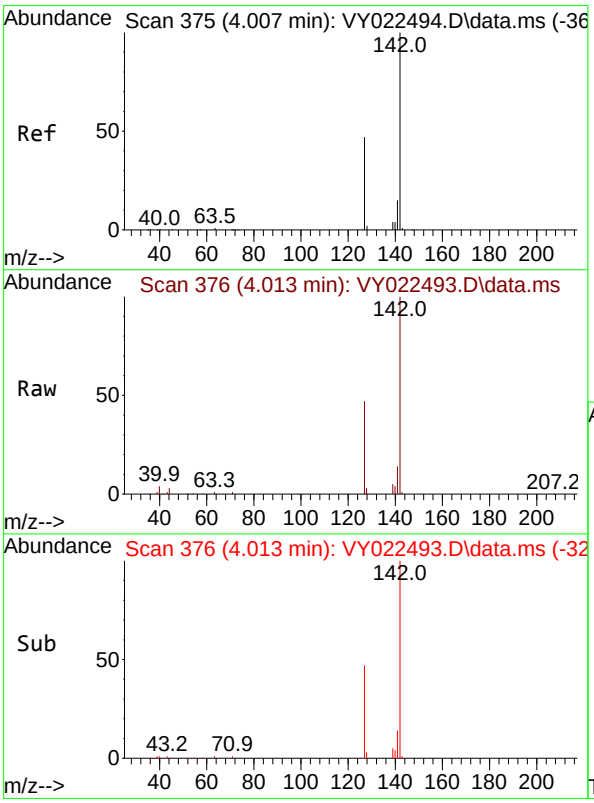
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.283 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 49746

Ion	Ratio	Lower	Upper
101	100		
85	49.4	39.3	58.9
151	71.4	57.8	86.8

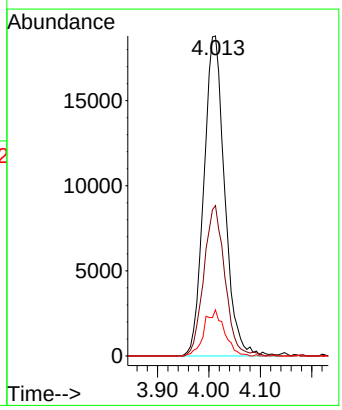


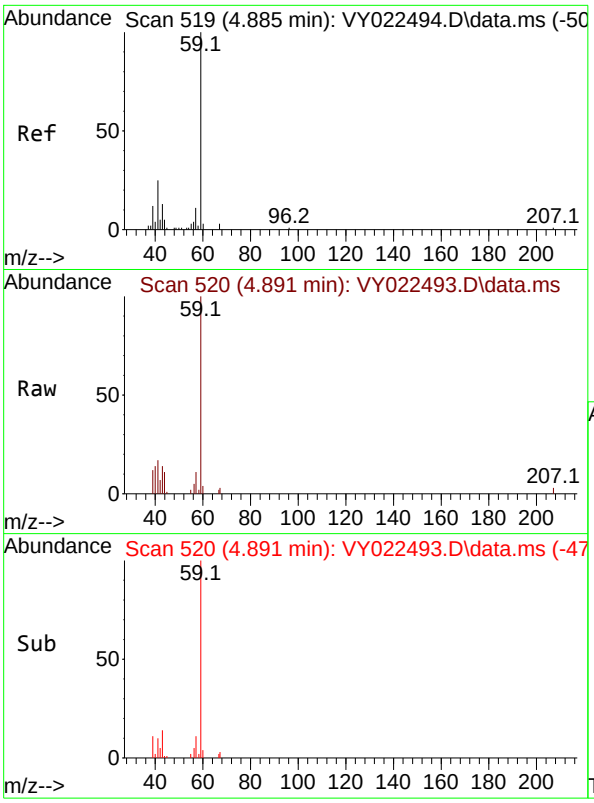


#10
Methyl Iodide
Concen: 21.112 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:142 Resp: 52917

Ion	Ratio	Lower	Upper
142	100		
127	47.5	37.1	55.7
141	14.1	11.4	17.2



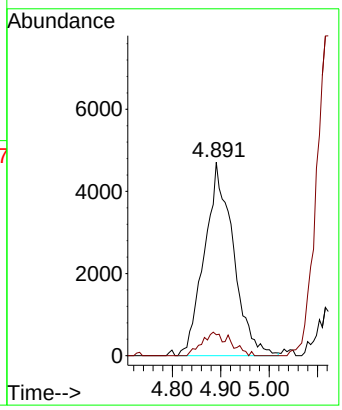


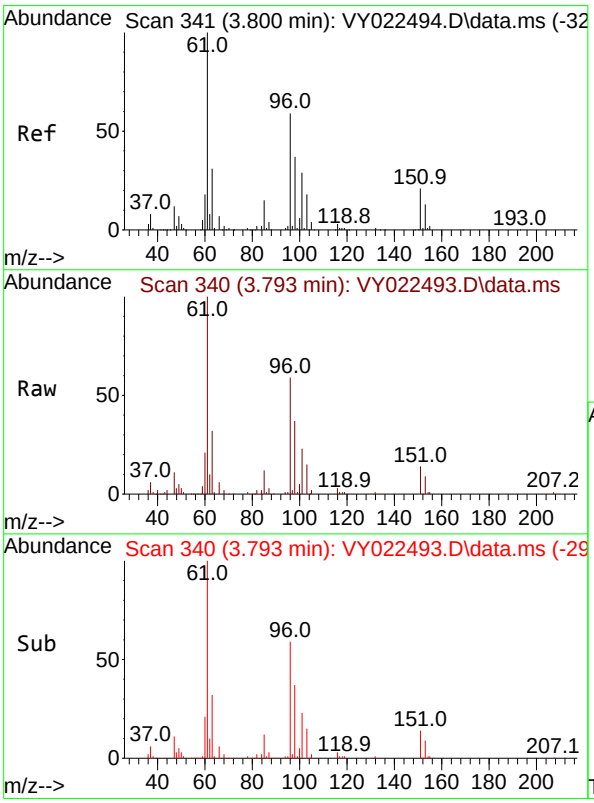
#11
Tert butyl alcohol
Concen: 115.163 ug/l
RT: 4.891 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 19456

Ion	Ratio	Lower	Upper
59	100		
57	8.6	8.0	12.0

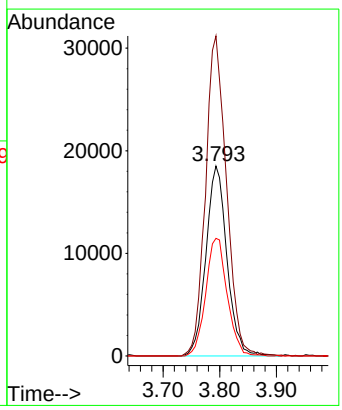


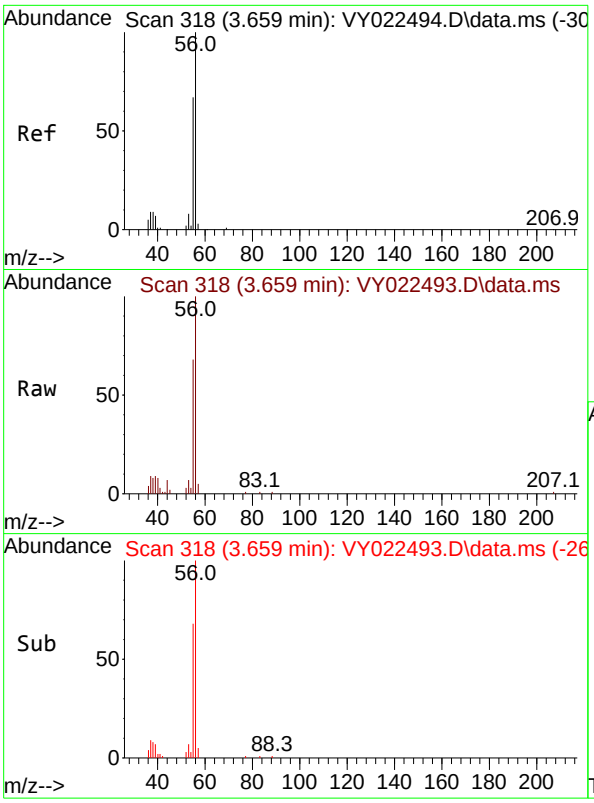


#12
1,1-Dichloroethene
Concen: 21.411 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 96 Resp: 47770

Ion	Ratio	Lower	Upper
96	100		
61	168.5	134.6	201.8
98	61.9	50.2	75.4



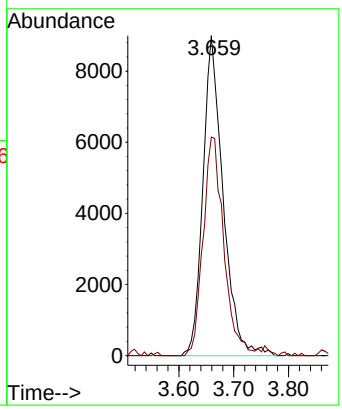


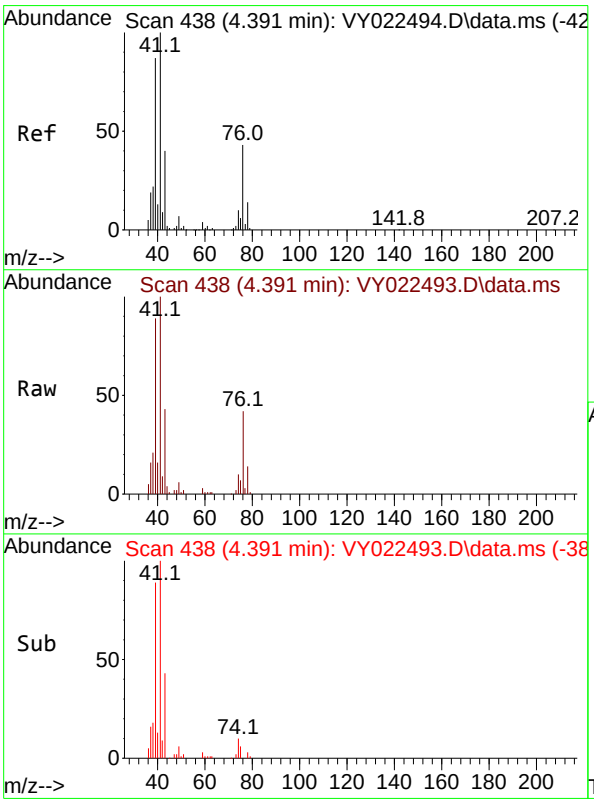
#13
Acrolein
Concen: 111.404 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 22974

Ion	Ratio	Lower	Upper
56	100		
55	69.8	57.0	85.6

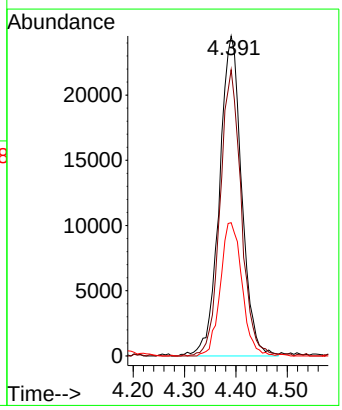


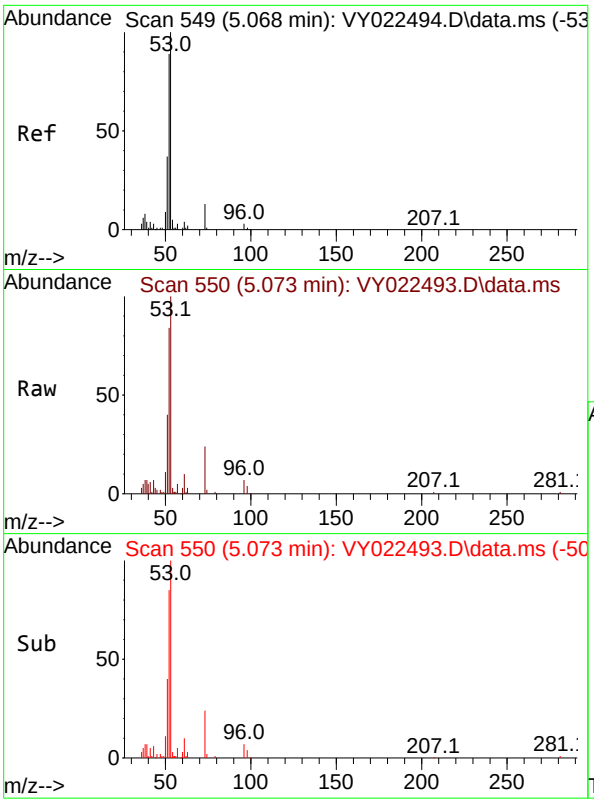


#14
Allyl chloride
Concen: 21.263 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 41 Resp: 73926

Ion	Ratio	Lower	Upper
41	100		
39	84.7	69.1	103.7
76	40.5	33.5	50.3



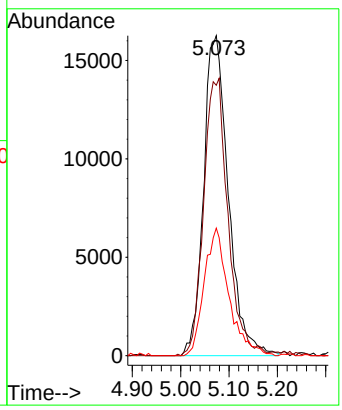


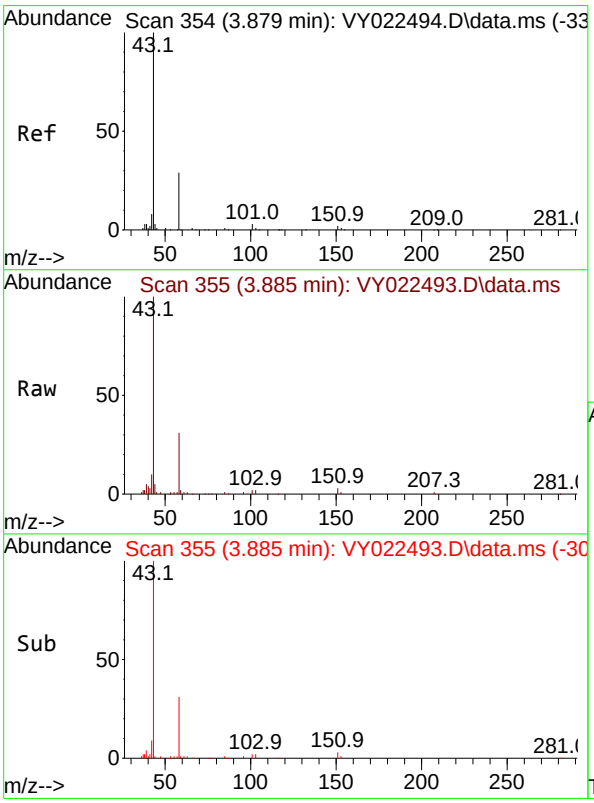
#15
Acrylonitrile
Concen: 110.420 ug/l
RT: 5.073 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 57803

Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.7	98.5
51	39.8	30.1	45.1

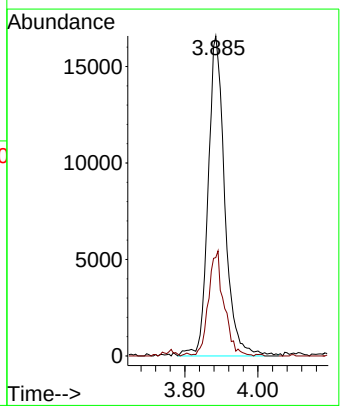


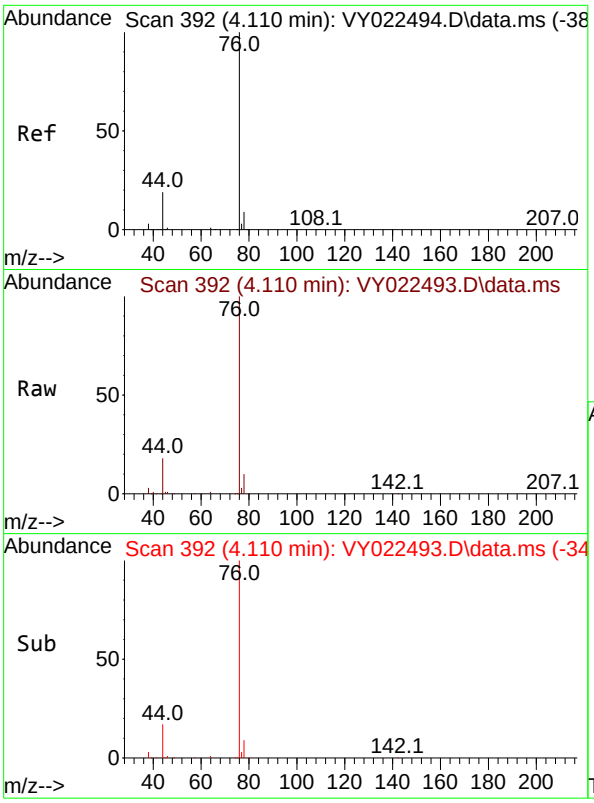


#16
Acetone
Concen: 111.925 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 52330

Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.0	36.0



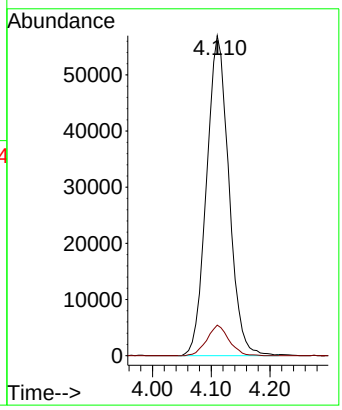


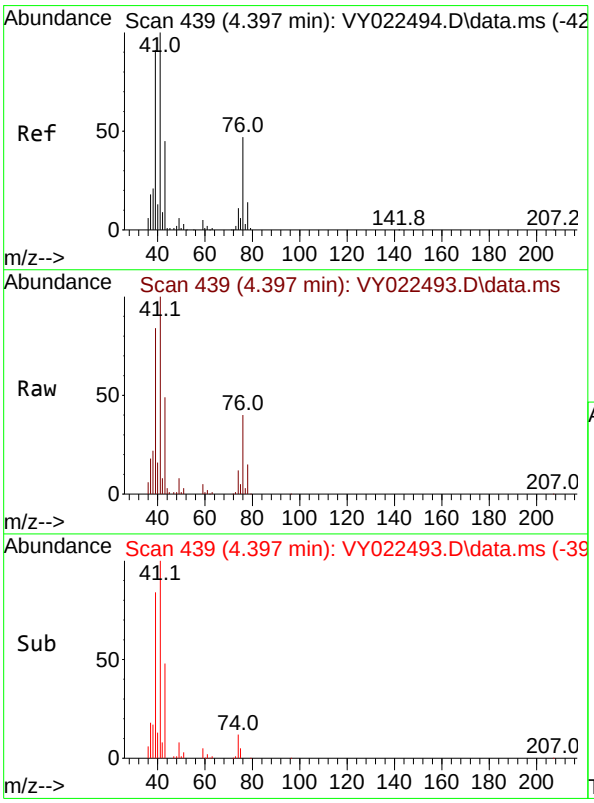
#17
Carbon Disulfide
Concen: 21.130 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 150515

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.2

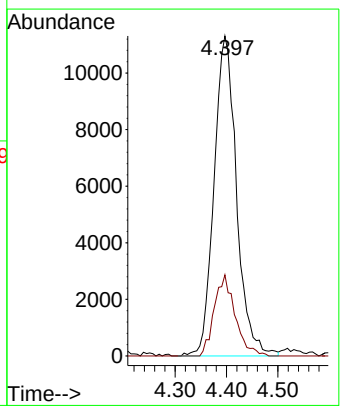


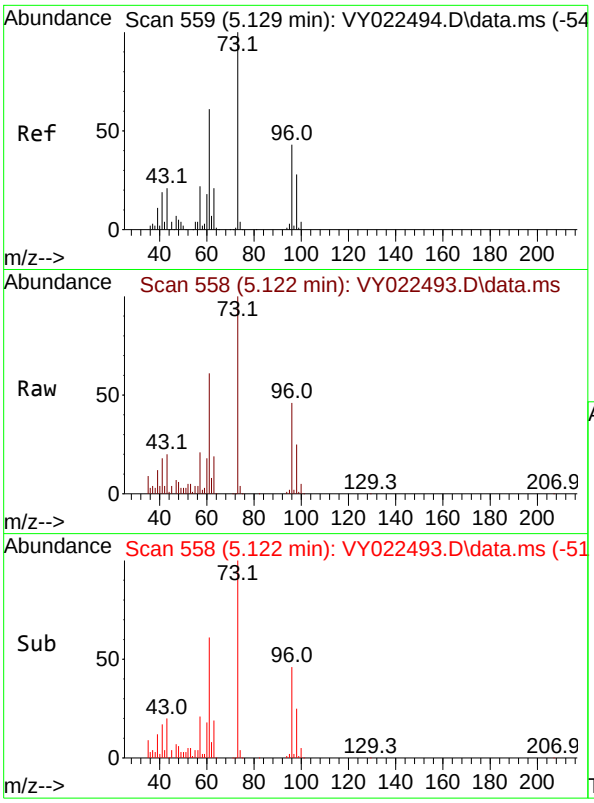


#18
Methyl Acetate
Concen: 24.470 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 34419

Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.8	29.6



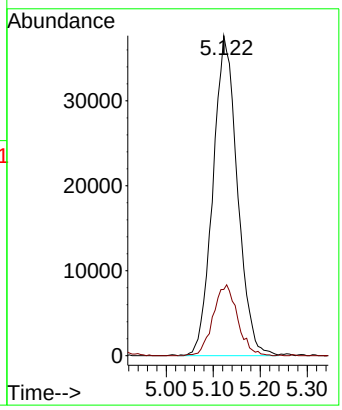


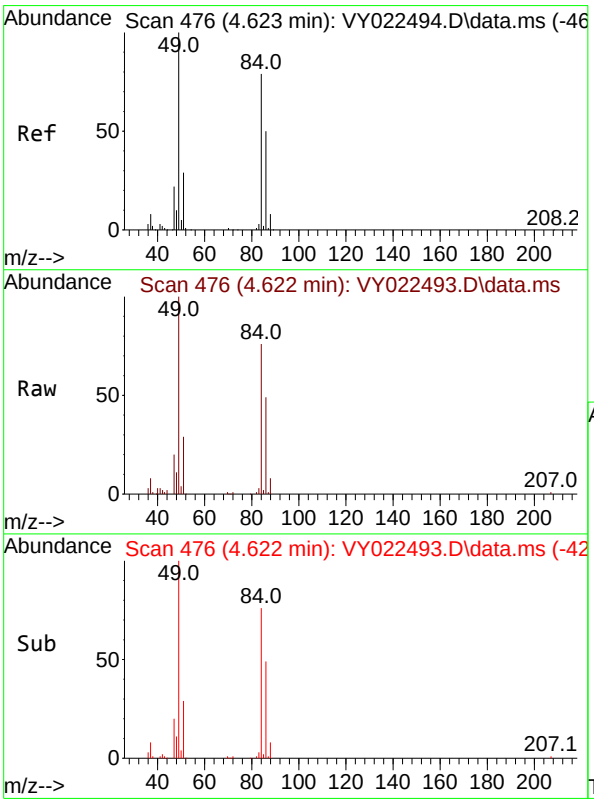
#19
Methyl tert-butyl Ether
Concen: 21.935 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 136549

Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.4	26.0

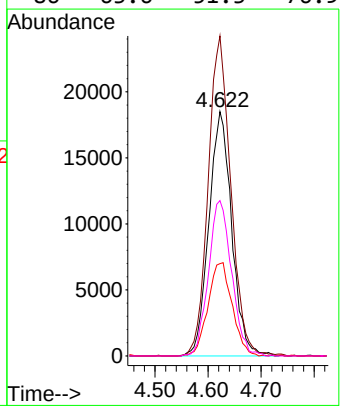


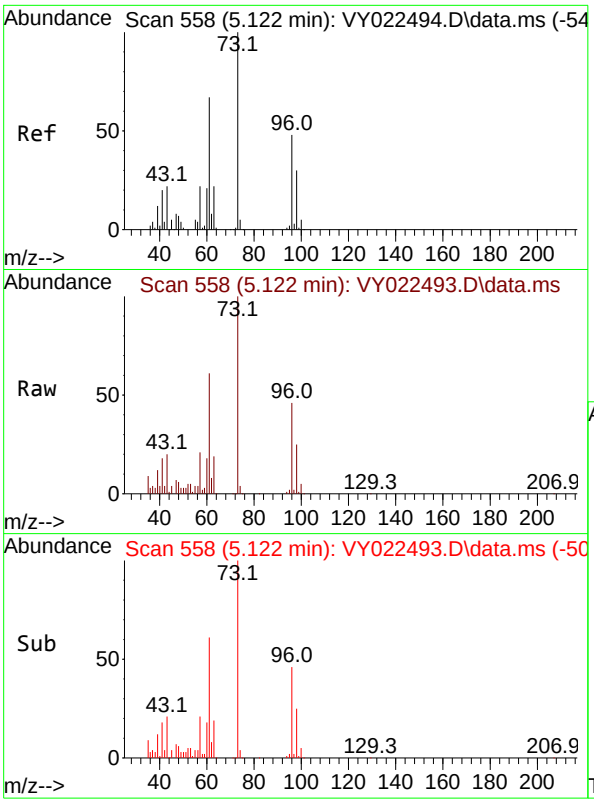


#20
Methylene Chloride
Concen: 21.222 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 84 Resp: 55399

Ion	Ratio	Lower	Upper
84	100		
49	131.0	101.9	152.9
51	37.8	29.8	44.8
86	63.6	51.3	76.9



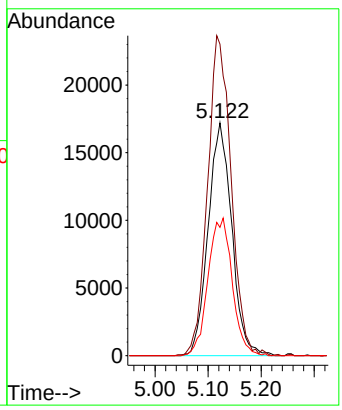


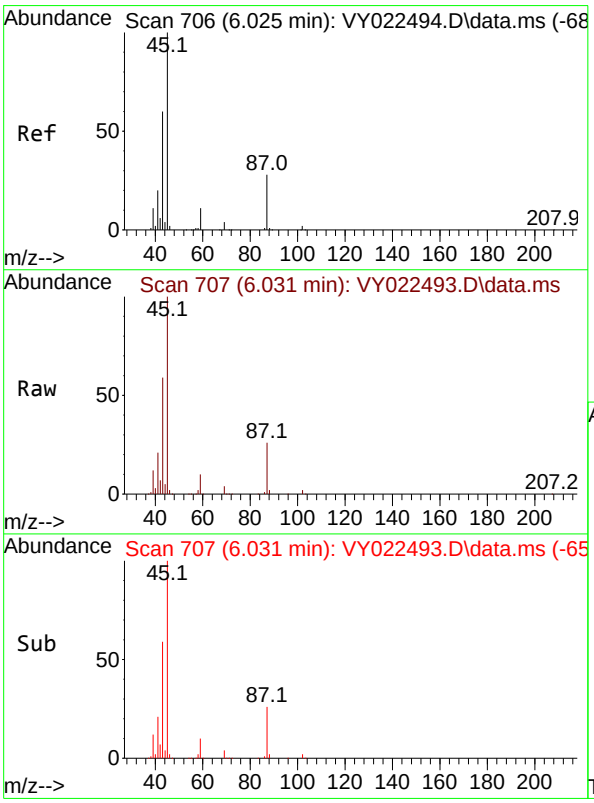
#21
trans-1,2-Dichloroethene
Concen: 21.342 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 53194

Ion	Ratio	Lower	Upper
96	100		
61	133.3	112.6	169.0
98	55.1	50.6	75.8

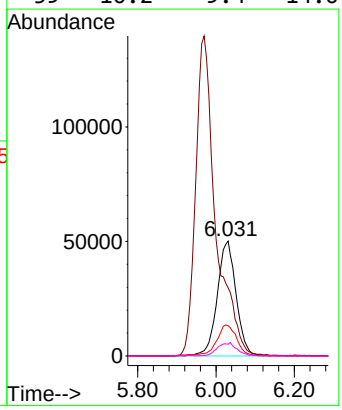


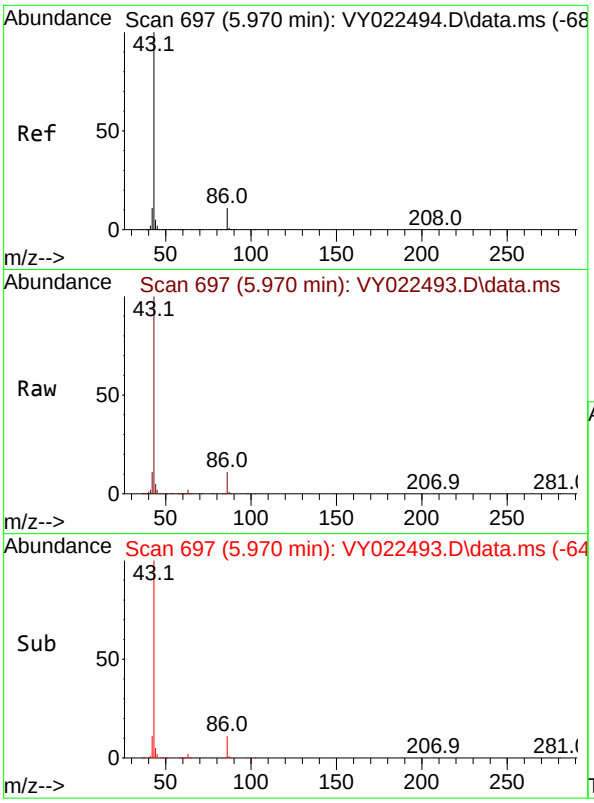


#22
Diisopropyl ether
Concen: 21.739 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 45 Resp: 168064

Ion	Ratio	Lower	Upper
45	100		
43	59.0	48.3	72.5
87	26.3	23.0	34.6
59	10.2	9.4	14.0



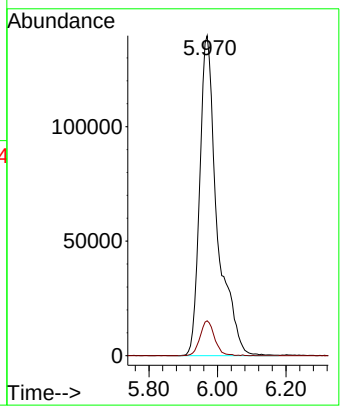


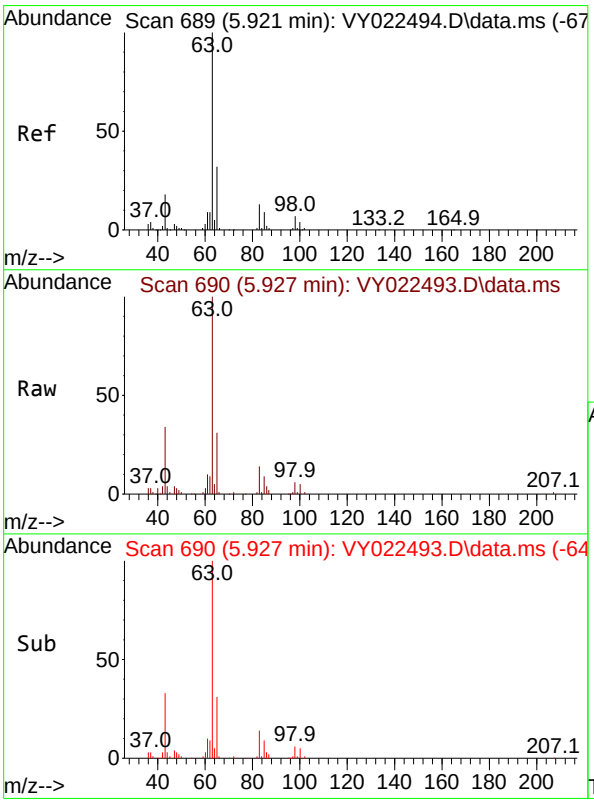
#23
Vinyl Acetate
Concen: 108.569 ug/l
RT: 5.970 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 497937

Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.6	12.8

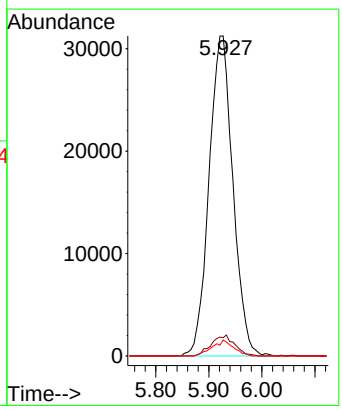


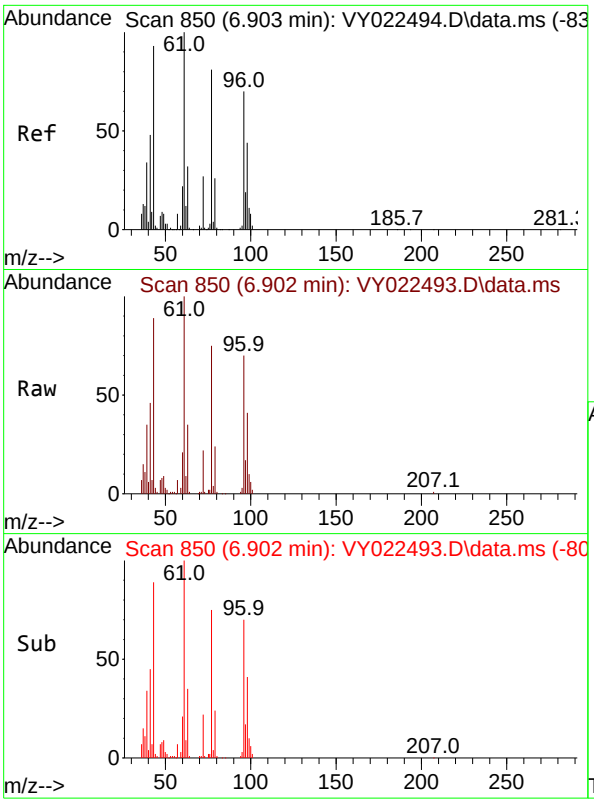


#24
1,1-Dichloroethane
Concen: 21.392 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 63 Resp: 97760

Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.4	10.1
100	5.0	2.1	6.3



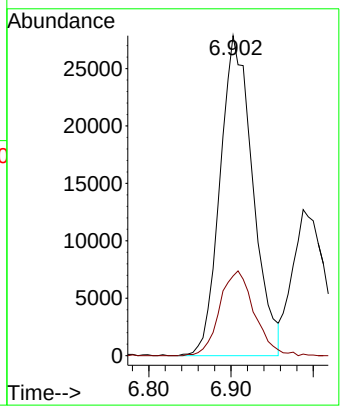


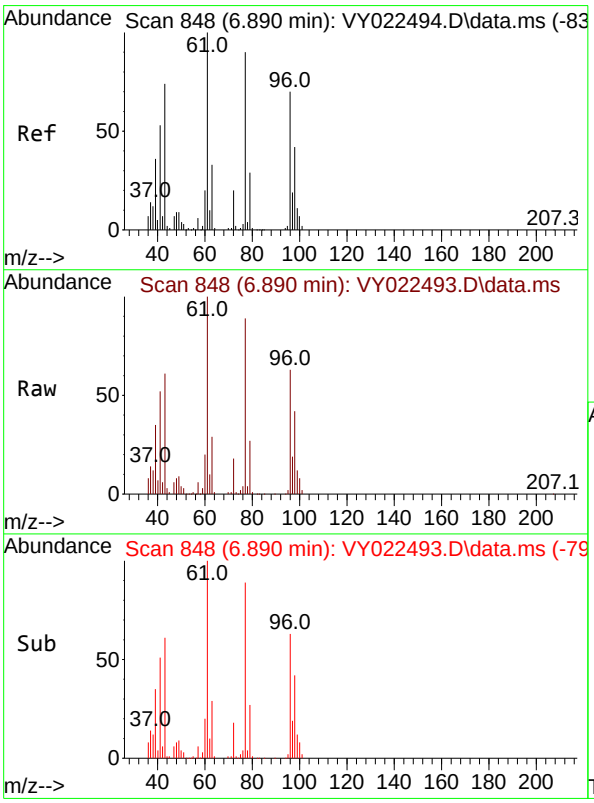
#25
2-Butanone
Concen: 112.124 ug/l
RT: 6.902 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 77329

Ion	Ratio	Lower	Upper
43	100		
72	24.9	22.9	34.3

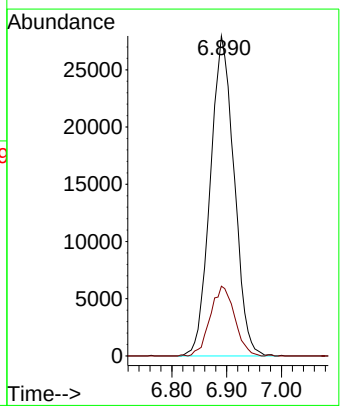


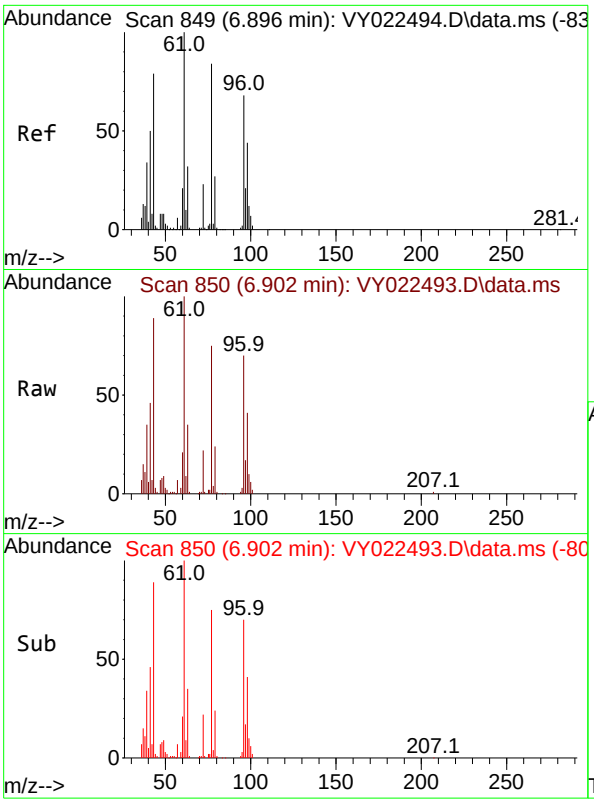


#26
2,2-Dichloropropane
Concen: 20.811 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 77 Resp: 84543

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.4	34.2



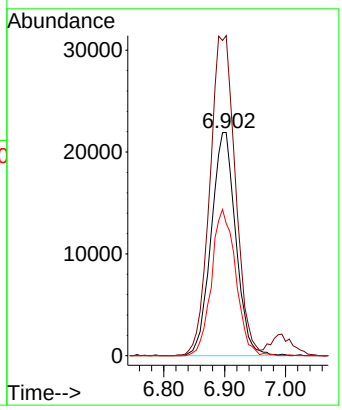


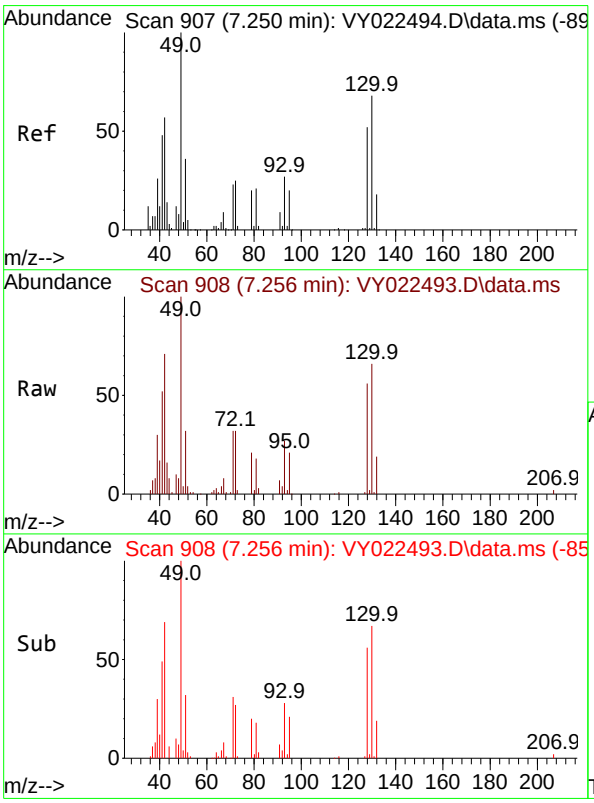
#27
cis-1,2-Dichloroethene
Concen: 21.300 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 61362

Ion	Ratio	Lower	Upper
96	100		
61	149.0	0.0	290.0
98	64.4	0.0	128.4

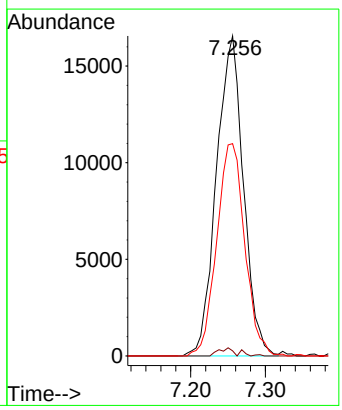


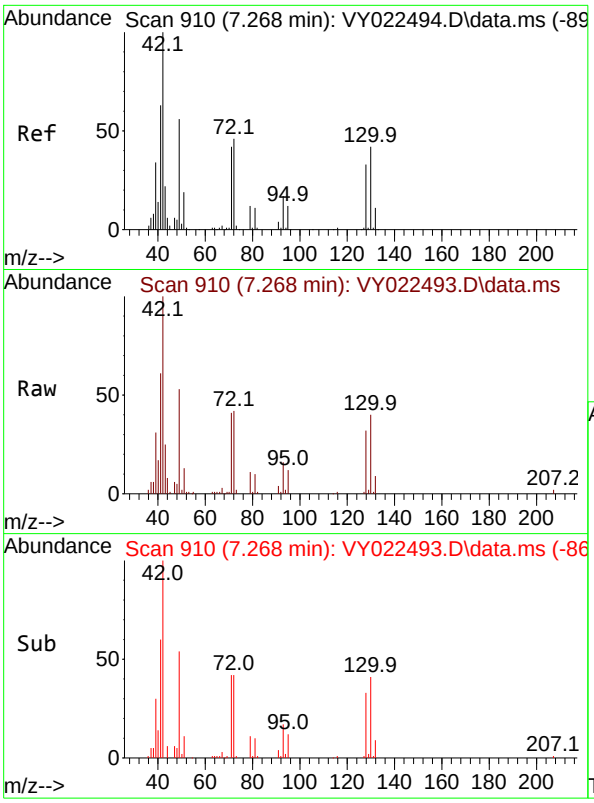


#28
Bromochloromethane
Concen: 21.085 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 49 Resp: 41634

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.6
130	69.0	55.7	83.5



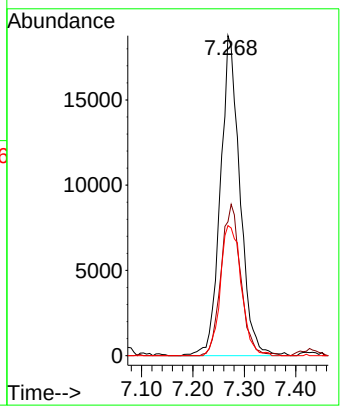


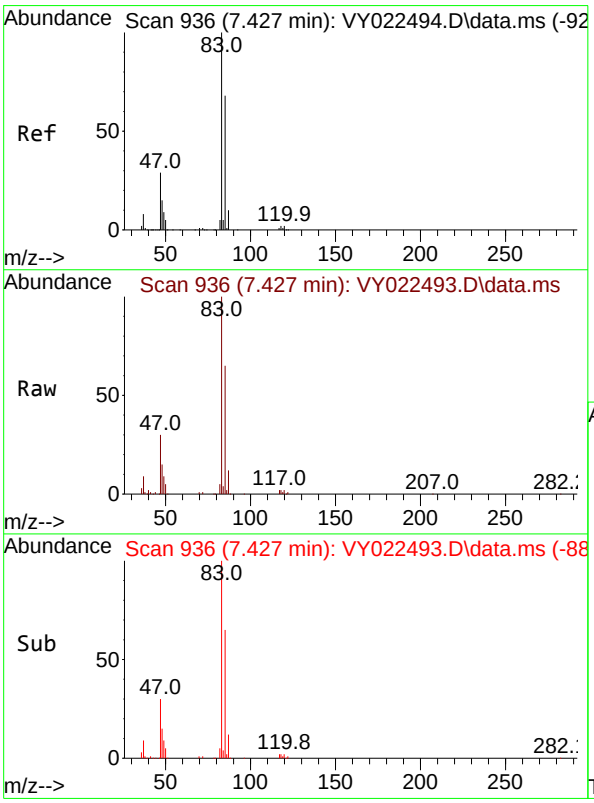
#29
Tetrahydrofuran
Concen: 111.296 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 49517

Ion	Ratio	Lower	Upper
42	100		
72	47.6	37.4	56.2
71	43.6	34.2	51.2

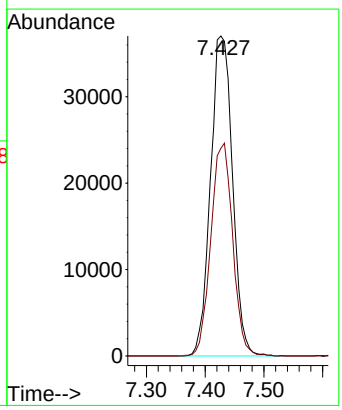


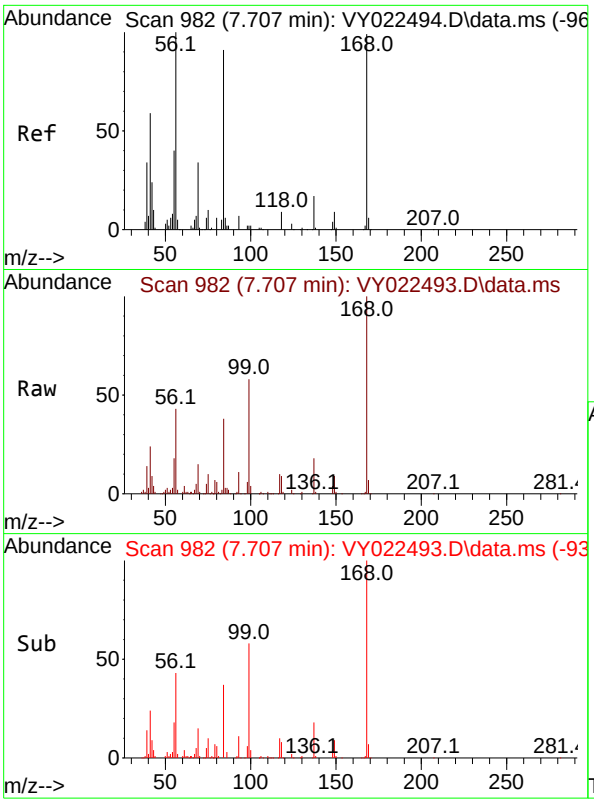


#30
Chloroform
Concen: 21.350 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 83 Resp: 96414

Ion	Ratio	Lower	Upper
83	100		
85	64.9	54.2	81.4



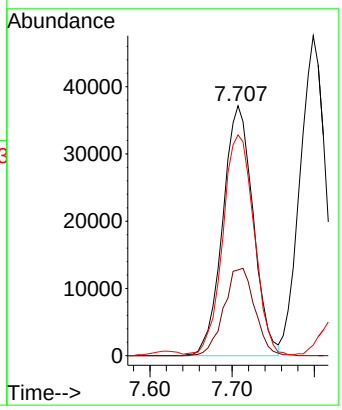


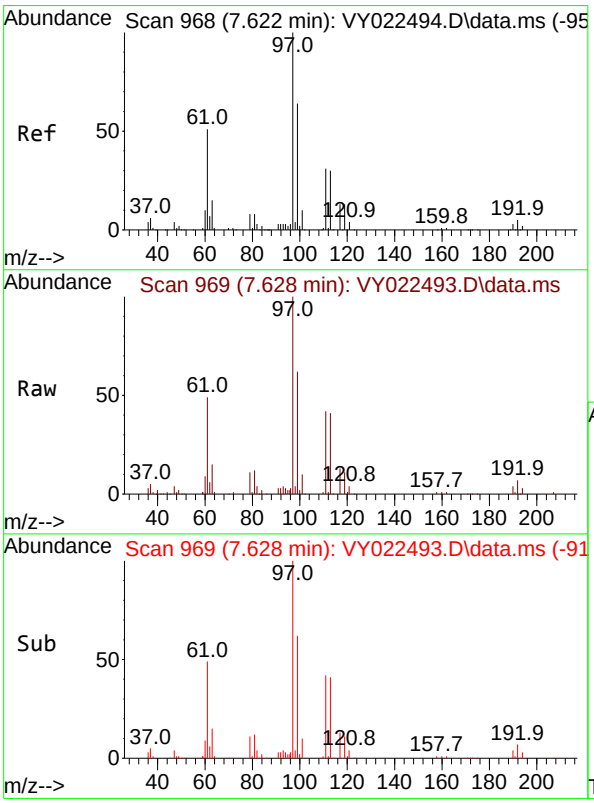
#31
Cyclohexane
Concen: 20.762 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 95487

Ion	Ratio	Lower	Upper
56	100		
69	34.3	27.0	40.6
84	87.0	72.6	109.0

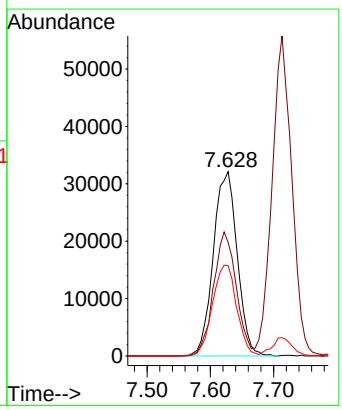


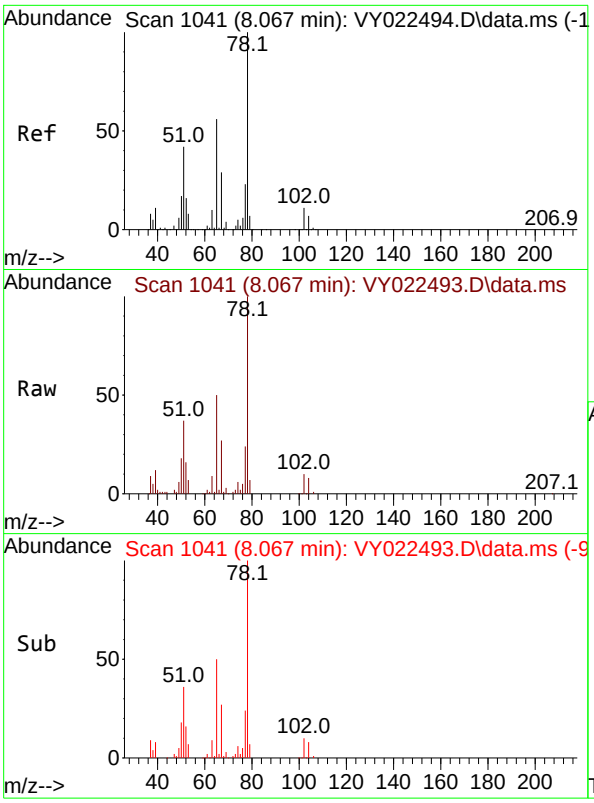


#32
1,1,1-Trichloroethane
Concen: 20.905 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 97 Resp: 84365

Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.9	76.3
61	49.7	38.5	57.7



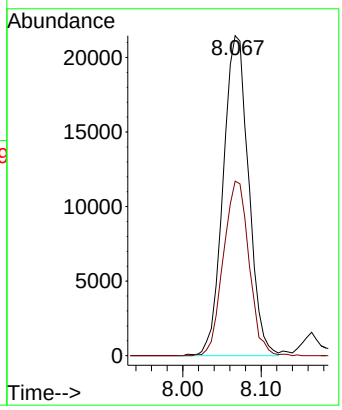


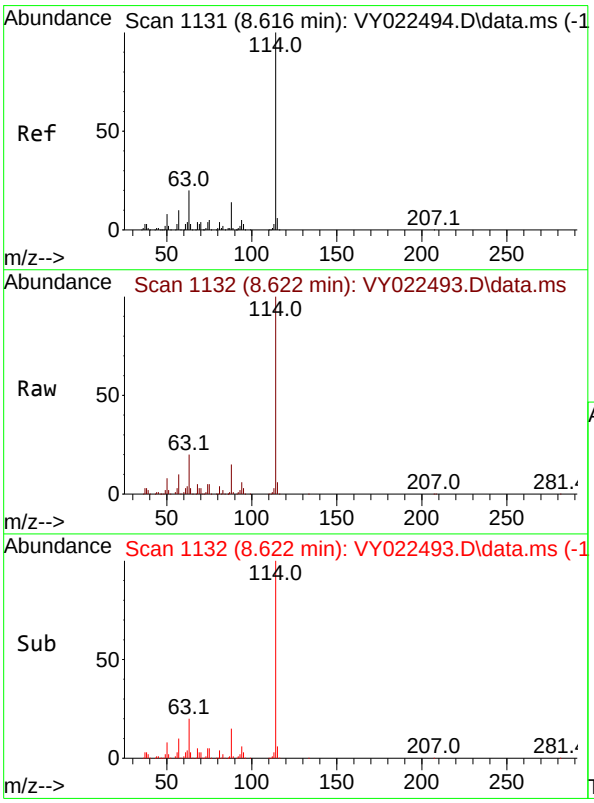
#33
1,2-Dichloroethane-d4
Concen: 20.457 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 48383

Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	103.4

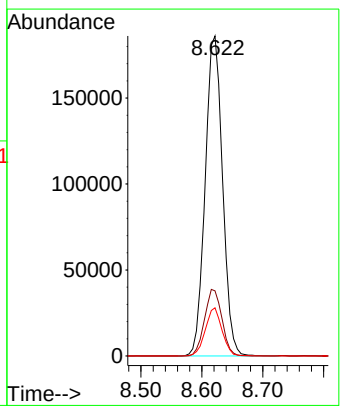


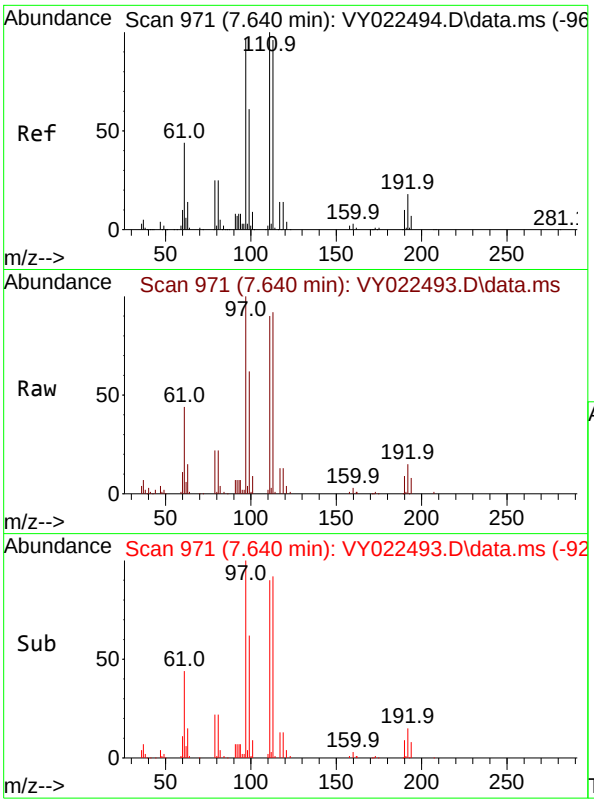


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:114 Resp: 369398

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	15.0	0.0	27.8



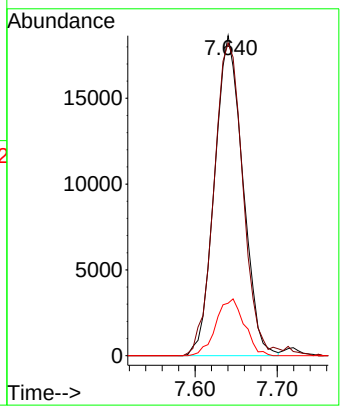


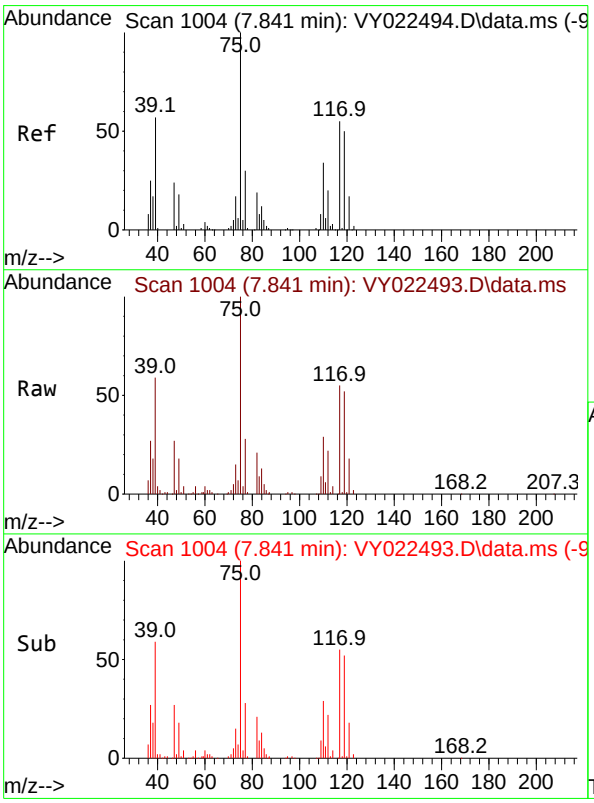
#35
Dibromofluoromethane
Concen: 20.456 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 44482

Ion	Ratio	Lower	Upper
113	100		
111	100.5	81.1	121.7
192	17.8	14.2	21.2

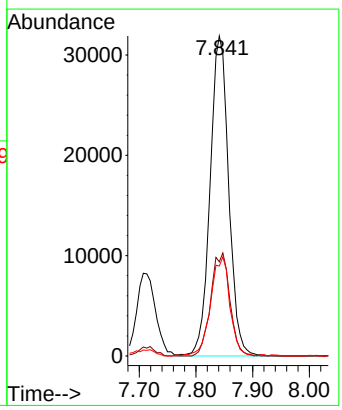


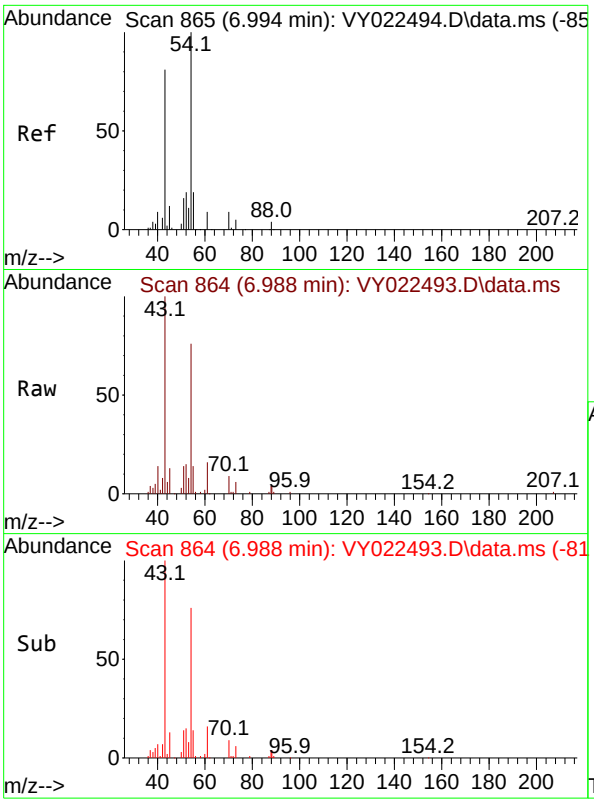


#36
1,1-Dichloropropene
Concen: 20.670 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 75 Resp: 72658

Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.9	50.7
77	32.2	24.8	37.2



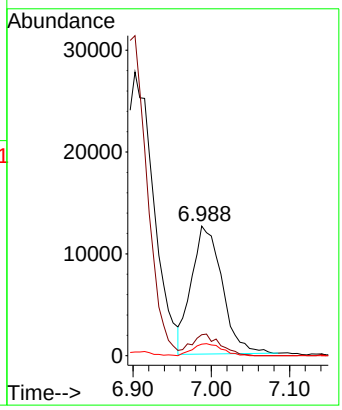


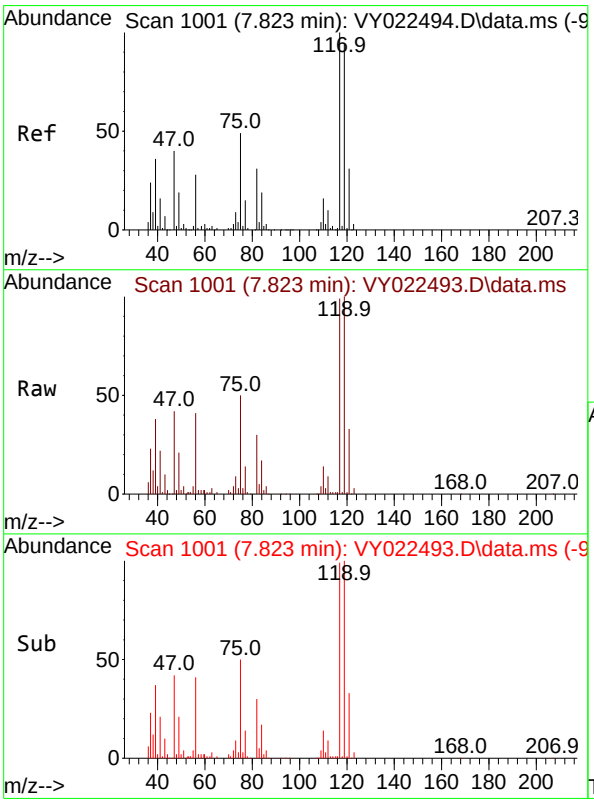
#37
Ethyl Acetate
Concen: 22.110 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 34204

Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.5	17.3
70	8.9	7.2	10.8

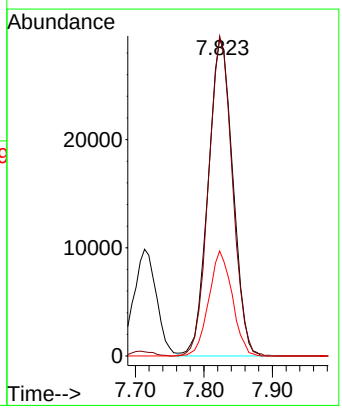


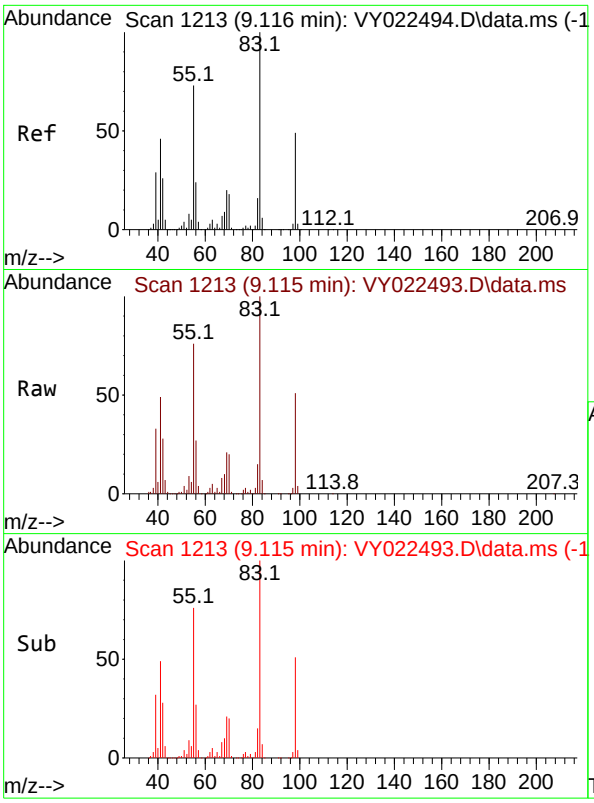


#38
Carbon Tetrachloride
Concen: 20.247 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:117 Resp: 73370

Ion	Ratio	Lower	Upper
117	100		
119	101.1	75.0	112.6
121	33.2	25.0	37.4



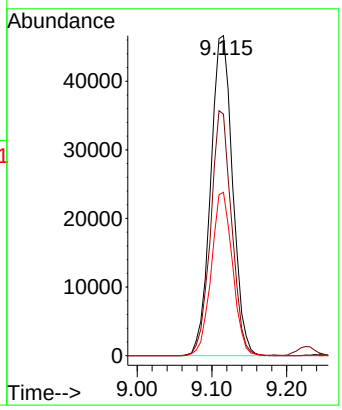


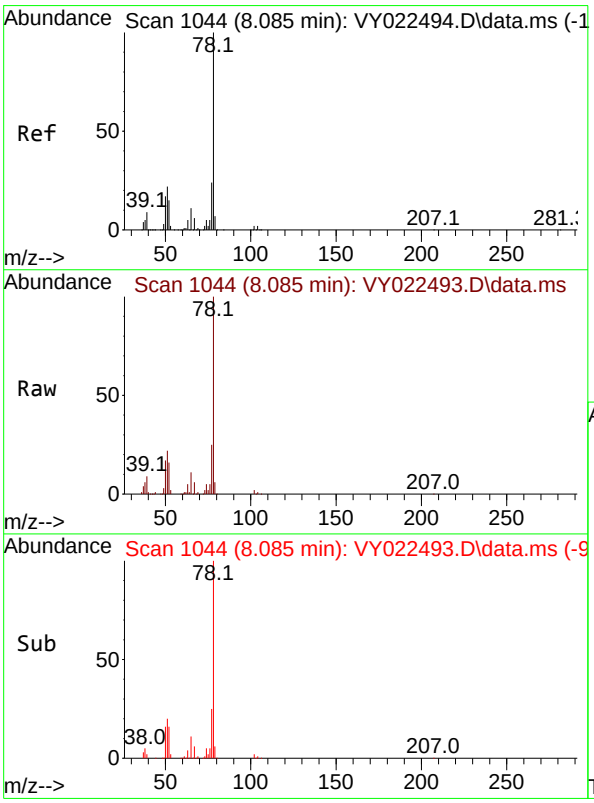
#39
Methylcyclohexane
Concen: 20.065 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 95280

Ion	Ratio	Lower	Upper
83	100		
55	75.5	58.1	87.1
98	51.1	39.0	58.6

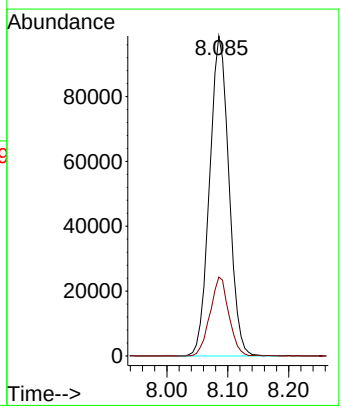


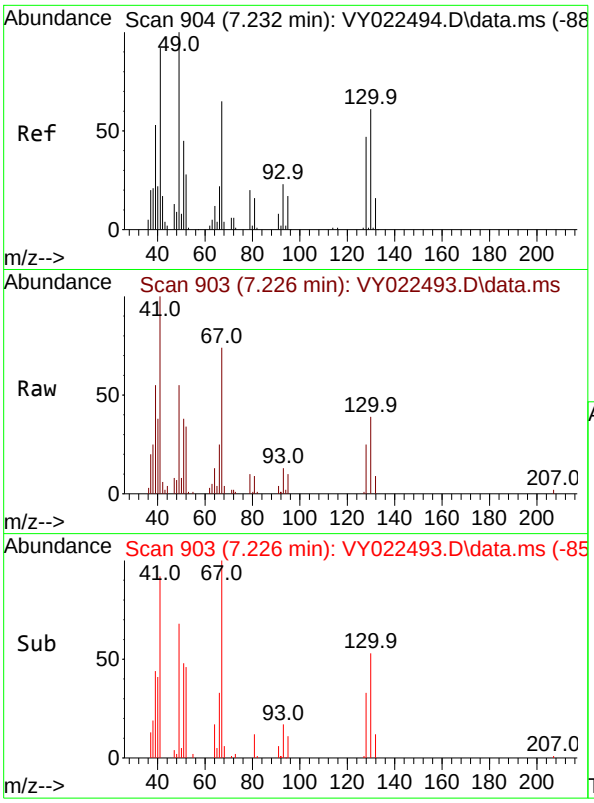


#40
Benzene
Concen: 21.000 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 78 Resp: 217595

Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.3	28.9



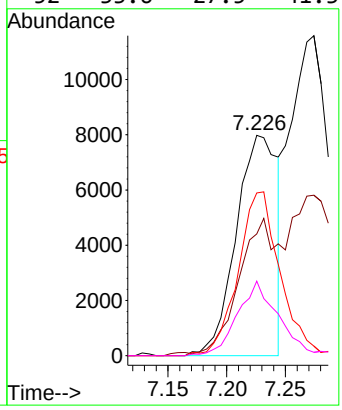


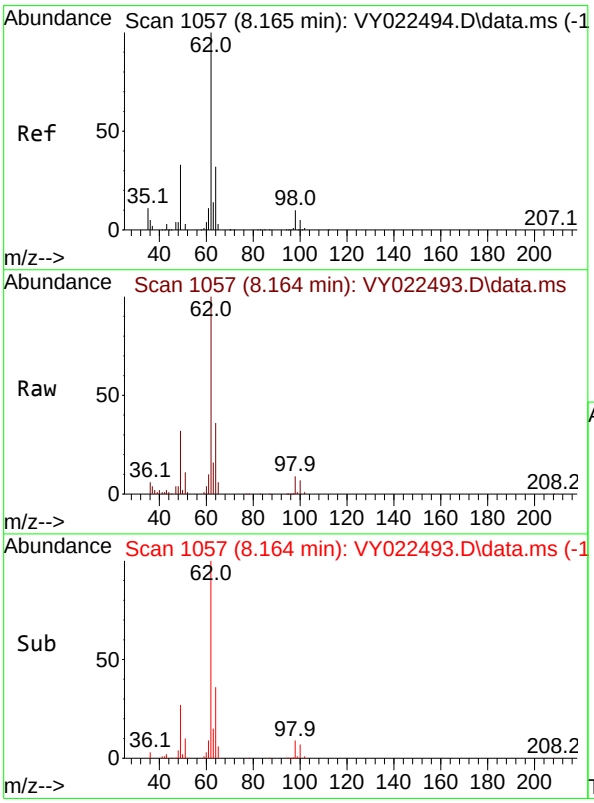
#41
Methacrylonitrile
Concen: 19.542 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 19470

Ion	Ratio	Lower	Upper
41	100		
39	64.4	46.6	69.8
67	76.2	63.3	94.9
52	33.6	27.5	41.3

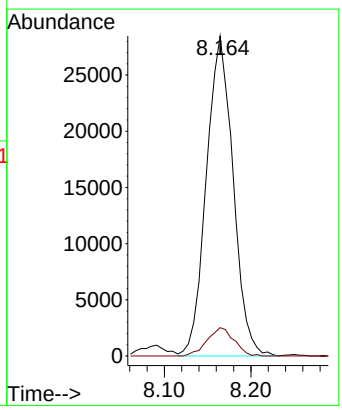


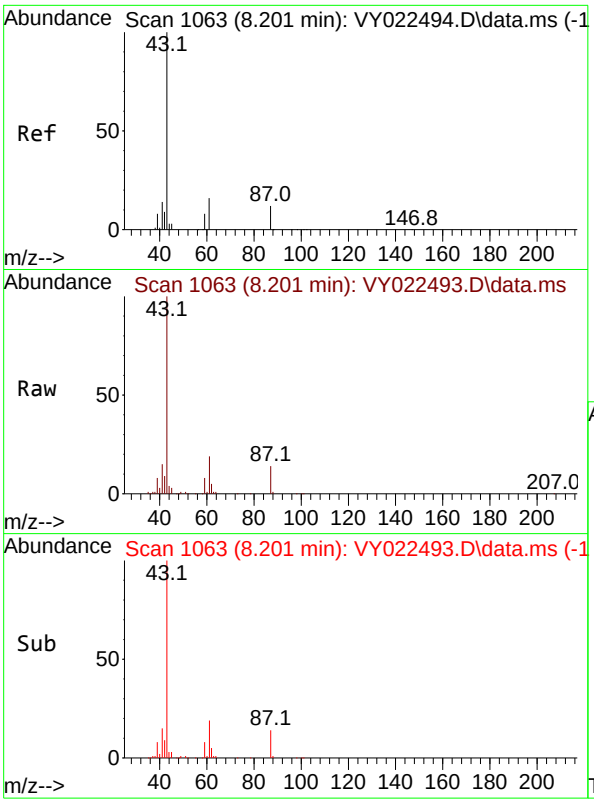


#42
1,2-Dichloroethane
Concen: 21.676 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 62 Resp: 61097

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	19.2



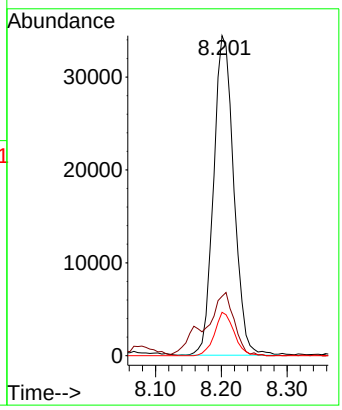


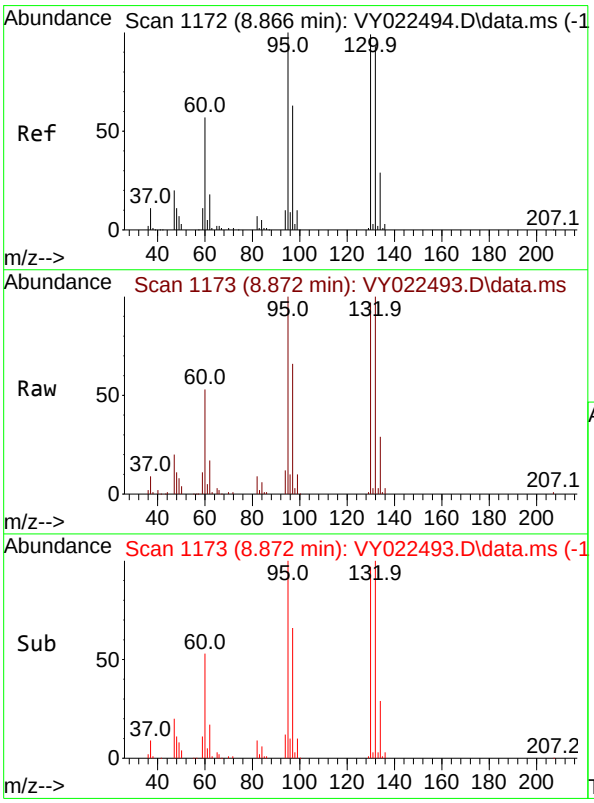
#43
Isopropyl Acetate
Concen: 21.814 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 73745

Ion	Ratio	Lower	Upper
43	100		
61	21.6	15.6	23.4
87	13.1	10.2	15.4

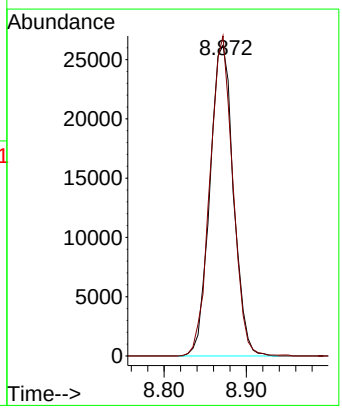


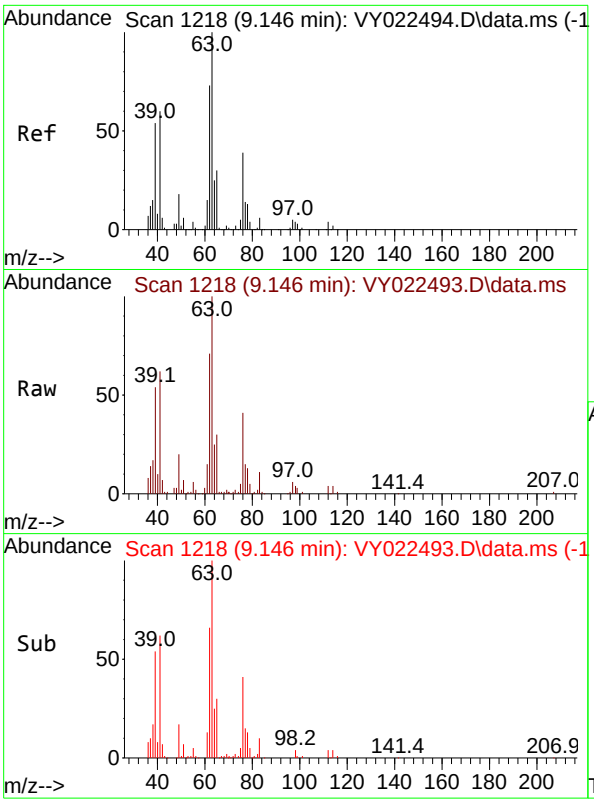


#44
Trichloroethene
Concen: 20.613 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:130 Resp: 52175

Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	203.0



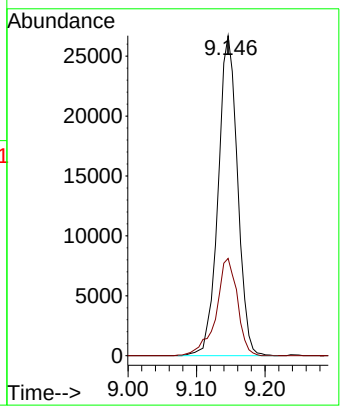


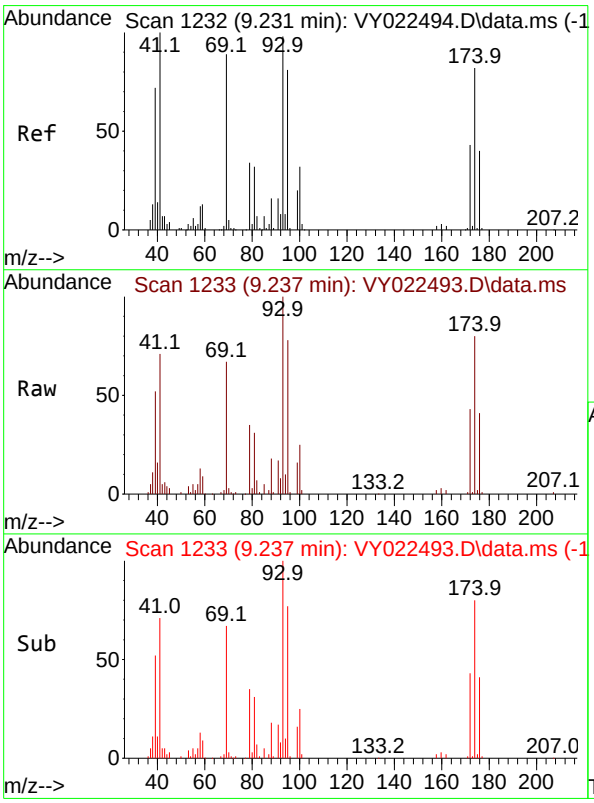
#45
1,2-Dichloropropane
Concen: 21.204 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 52378

Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.0	36.0

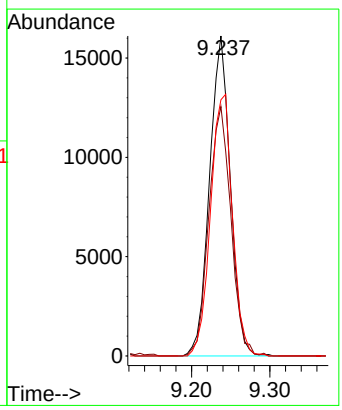


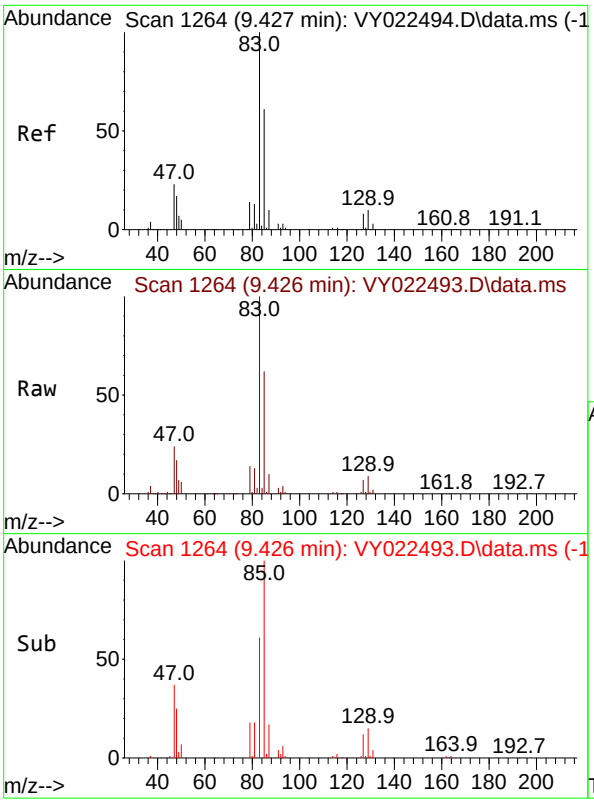


#46
Dibromomethane
Concen: 21.491 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 93 Resp: 29741

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.6	98.4
174	86.2	70.4	105.6



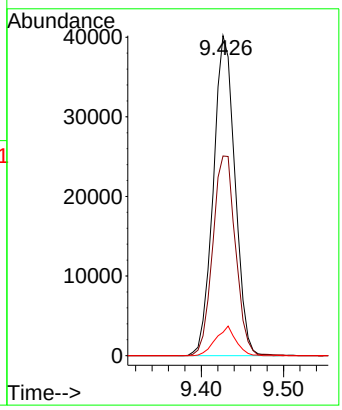


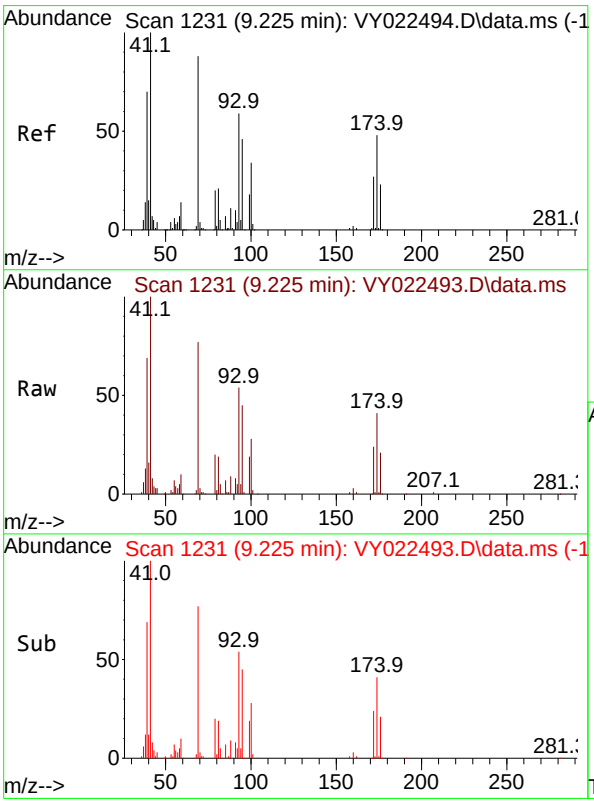
#47
Bromodichloromethane
Concen: 20.995 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 73717

Ion	Ratio	Lower	Upper
83	100		
85	62.4	49.1	73.7
127	7.3	6.2	9.4

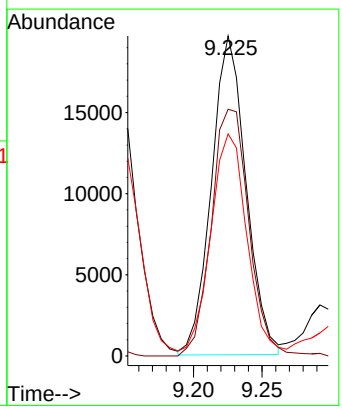


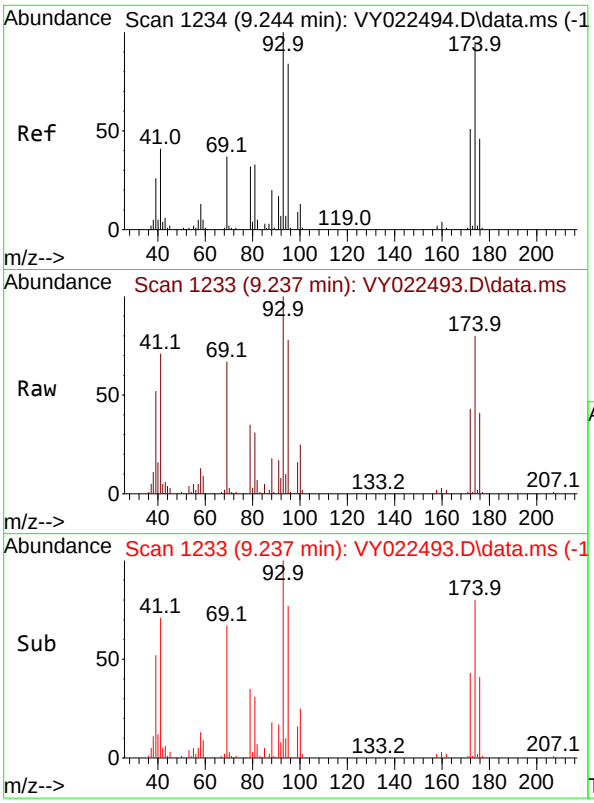


#48
Methyl methacrylate
Concen: 22.294 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 41 Resp: 34508

Ion	Ratio	Lower	Upper
41	100		
69	84.1	67.8	101.8
39	69.9	55.0	82.4



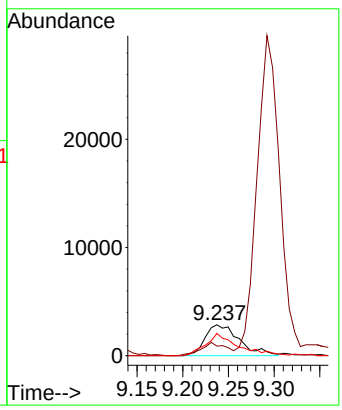


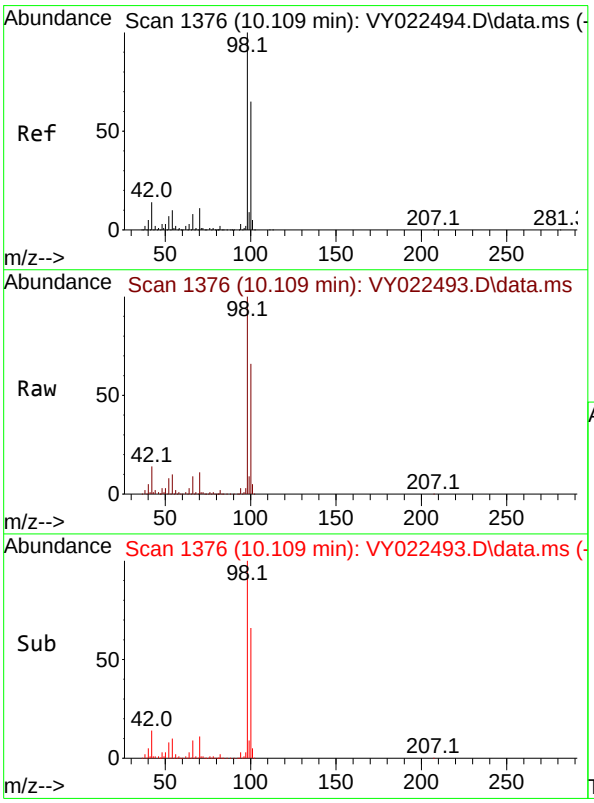
#49
1,4-Dioxane
Concen: 450.895 ug/l
RT: 9.237 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 7444

Ion	Ratio	Lower	Upper
88	100		
43	31.1	25.4	38.2
58	67.3	54.9	82.3

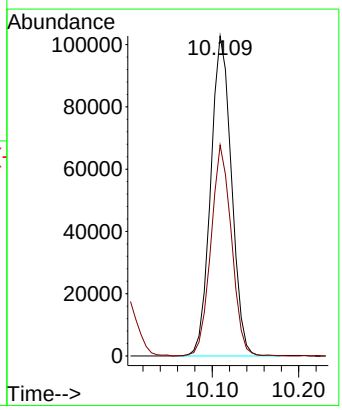


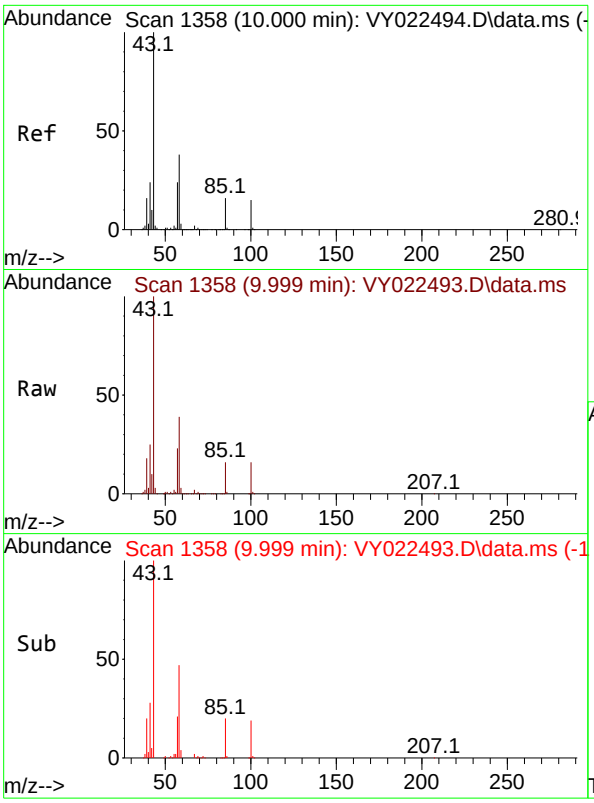


#50
Toluene-d8
Concen: 19.474 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 98 Resp: 171165

Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.4	77.0



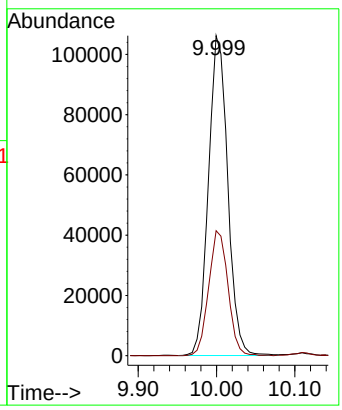


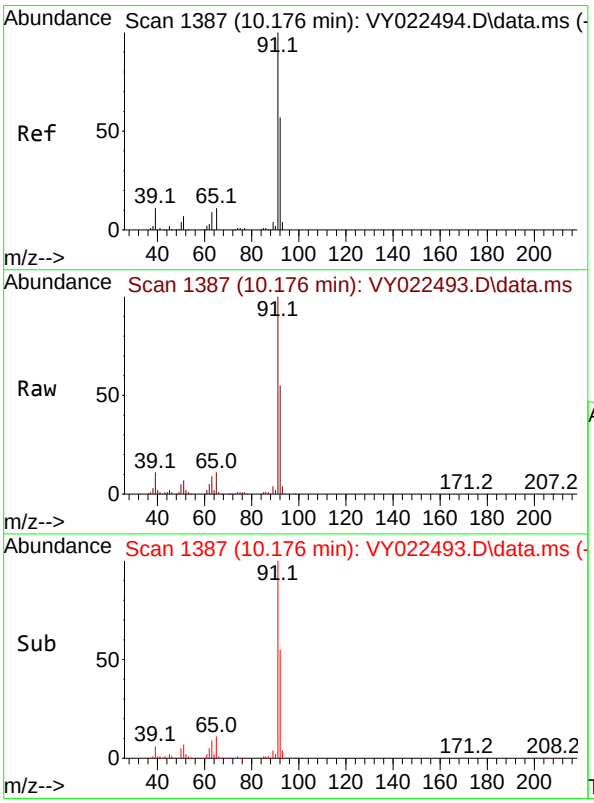
#51
4-Methyl-2-Pentanone
Concen: 108.147 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 181461

Ion	Ratio	Lower	Upper
43	100		
58	39.2	30.4	45.6

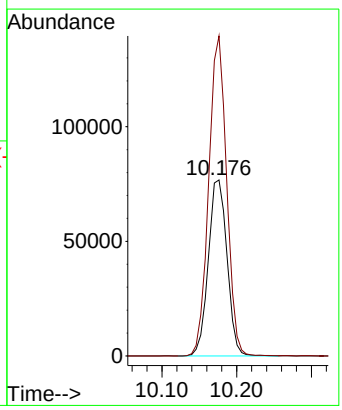


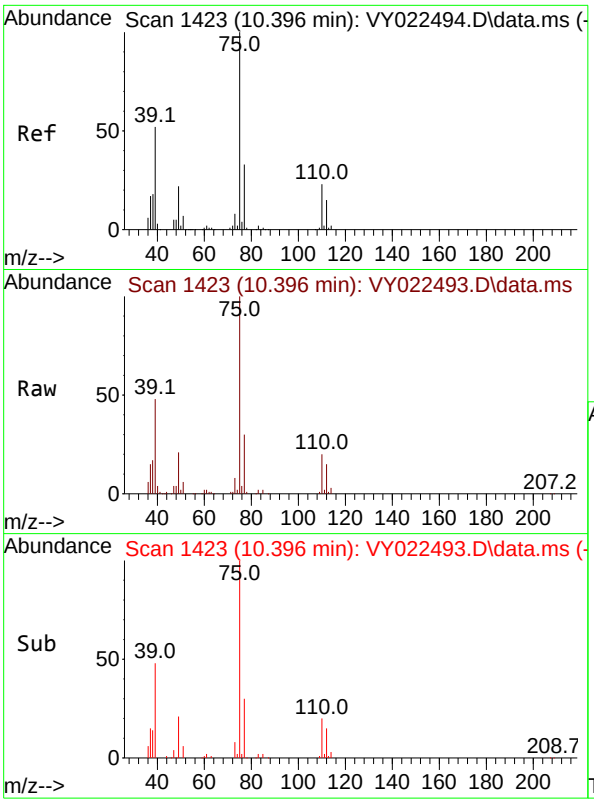


#52
Toluene
Concen: 20.508 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 92 Resp: 133601

Ion	Ratio	Lower	Upper
92	100		
91	174.3	139.0	208.4



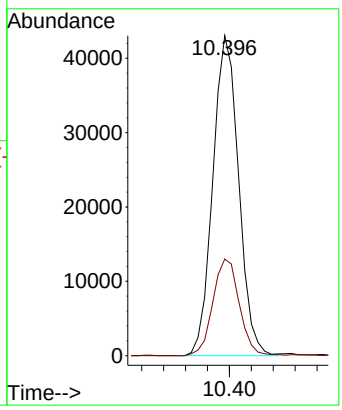


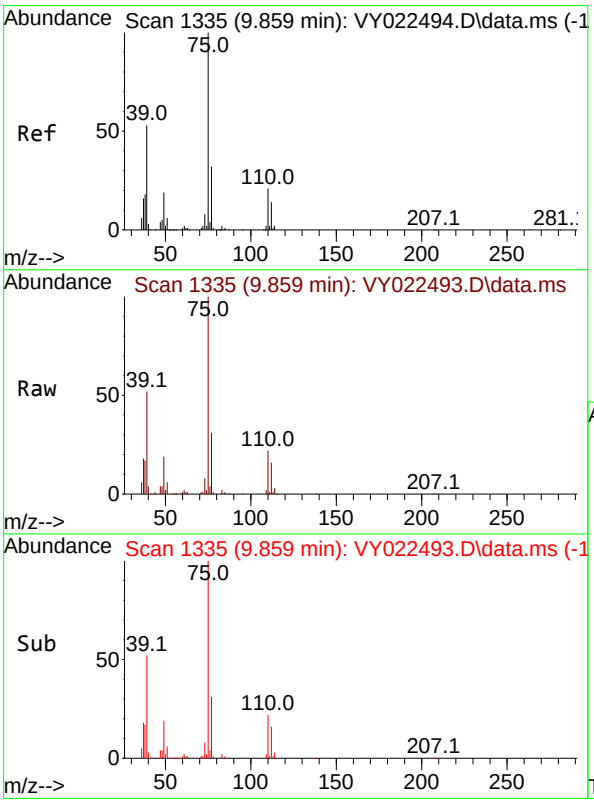
#53
t-1,3-Dichloropropene
Concen: 21.660 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 70358

Ion	Ratio	Lower	Upper
75	100		
77	30.2	26.5	39.7

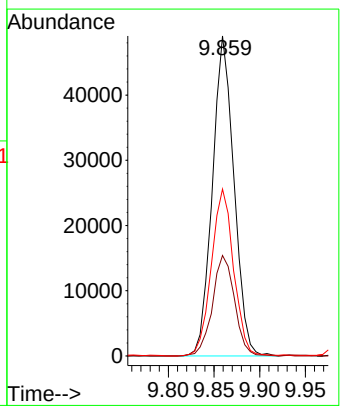


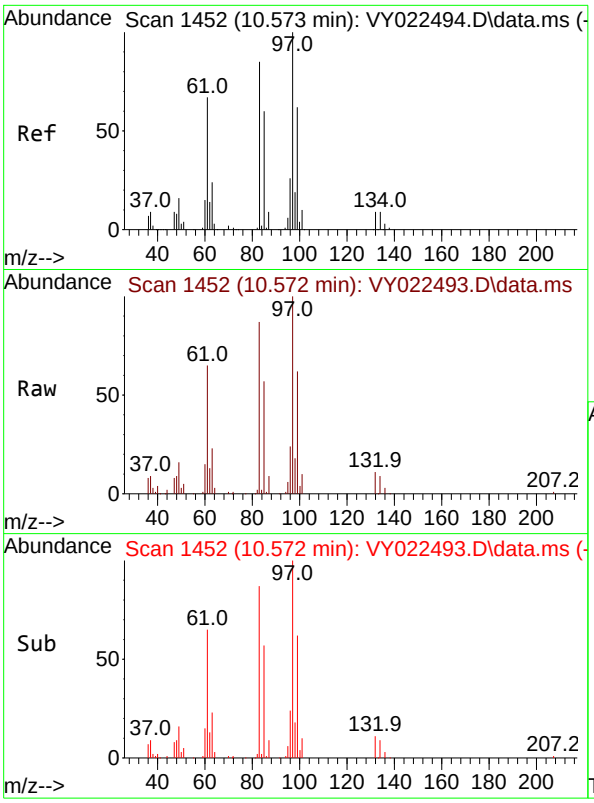


#54
cis-1,3-Dichloropropene
Concen: 21.141 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 75 Resp: 80524

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.3	37.9
39	52.1	42.7	64.1



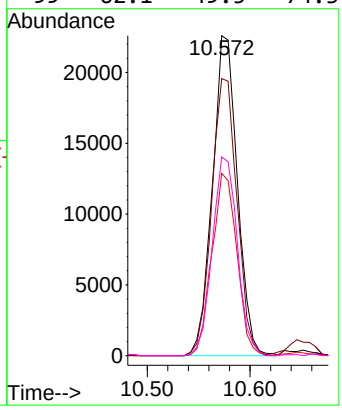


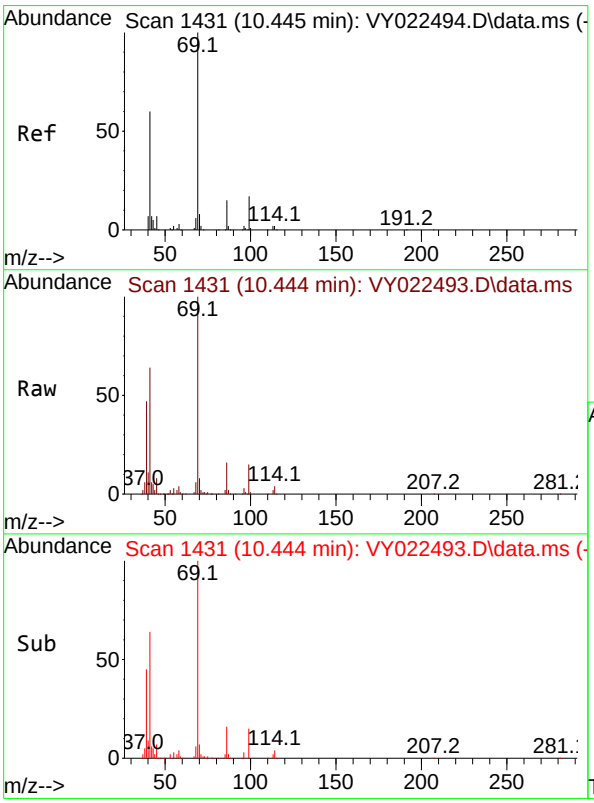
#55
1,1,2-Trichloroethane
Concen: 21.849 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 38079

Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.1	102.1
85	57.0	48.2	72.2
99	62.1	49.5	74.3

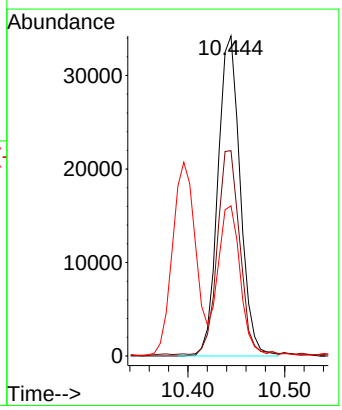


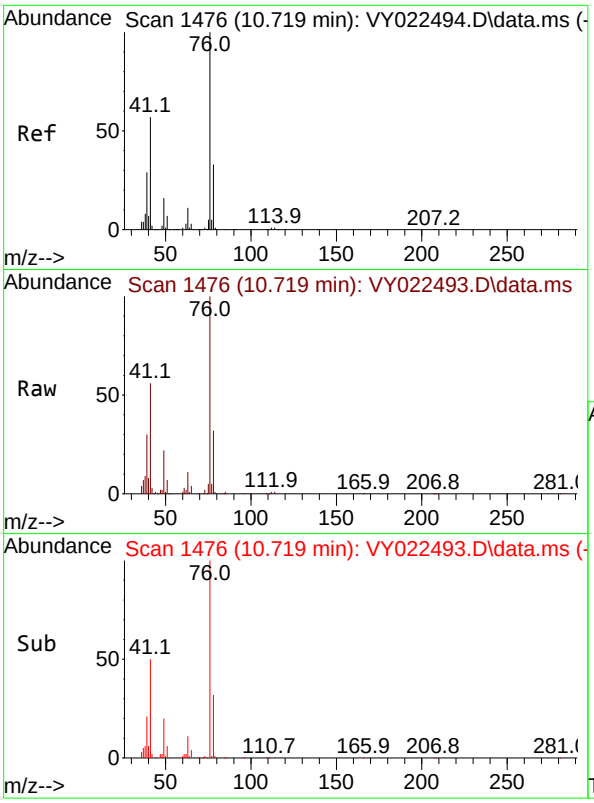


#56
Ethyl methacrylate
Concen: 21.626 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 69 Resp: 54734

Ion	Ratio	Lower	Upper
69	100		
41	64.8	52.2	78.2
39	46.8	36.7	55.1



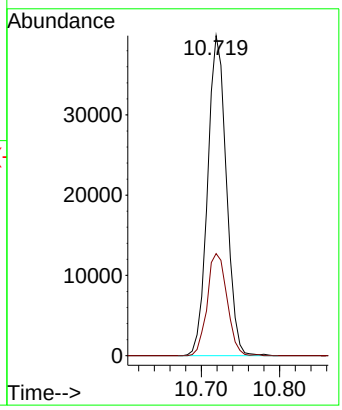


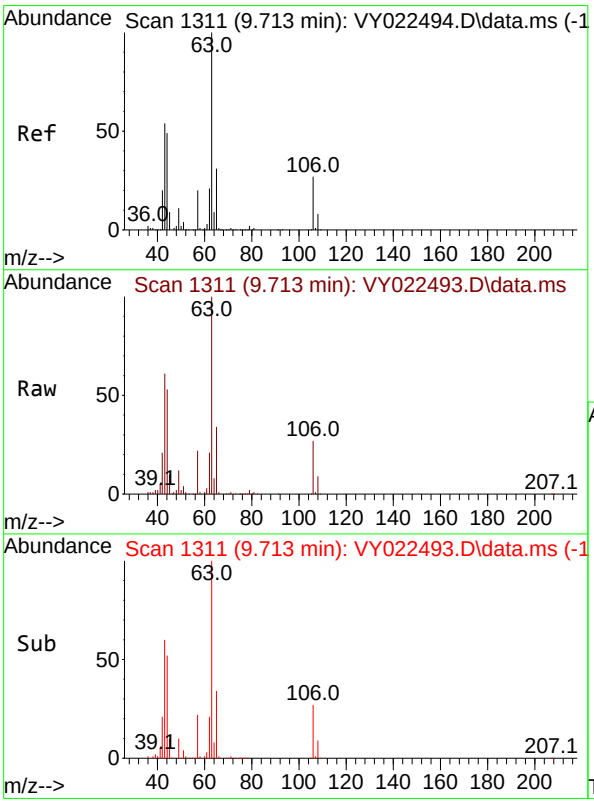
#57
1,3-Dichloropropane
Concen: 21.317 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 66163

Ion	Ratio	Lower	Upper
76	100		
78	33.8	25.8	38.8

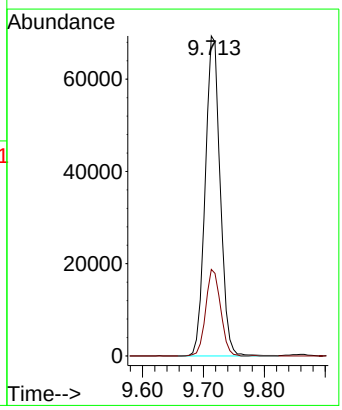


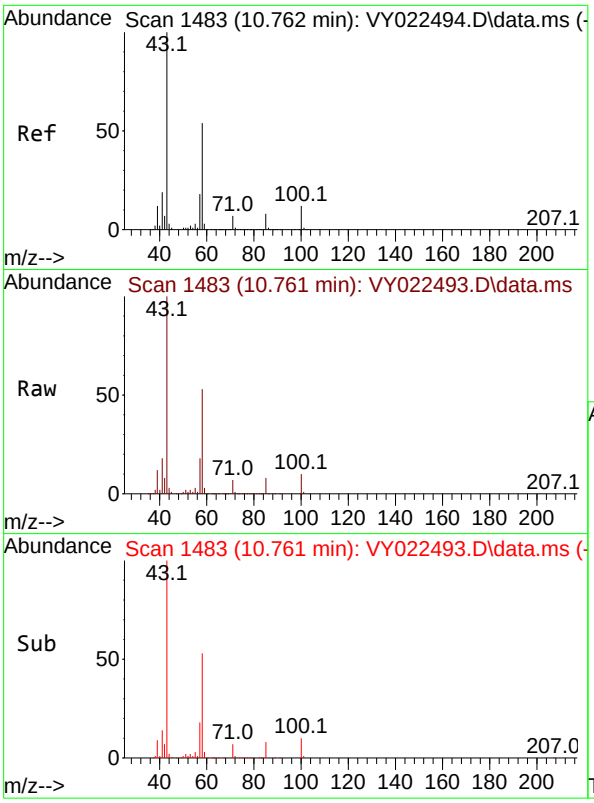


#58
2-Chloroethyl Vinyl ether
Concen: 104.797 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 63 Resp: 118244

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.6	32.4



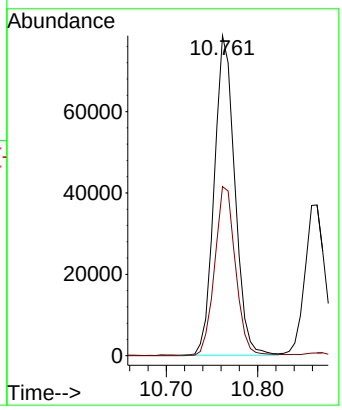


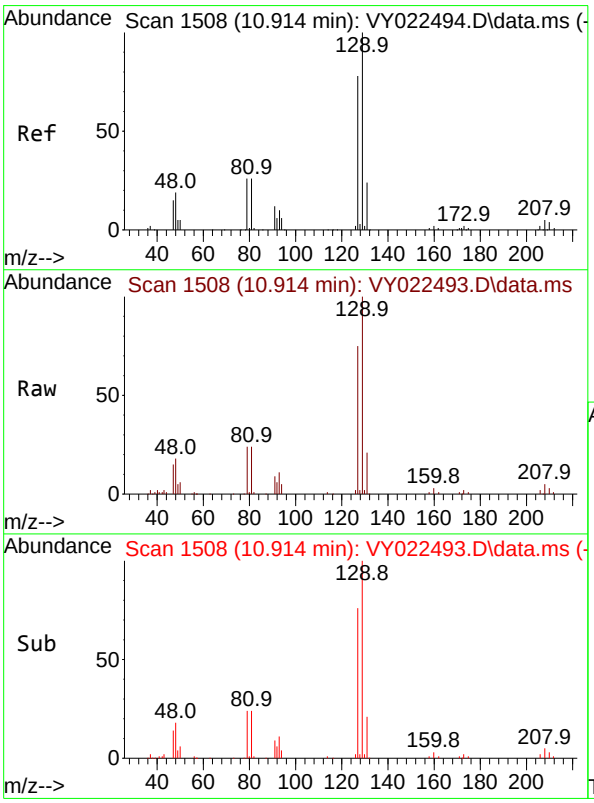
#59
2-Hexanone
Concen: 109.805 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 122817

Ion	Ratio	Lower	Upper
43	100		
58	53.8	27.3	81.8

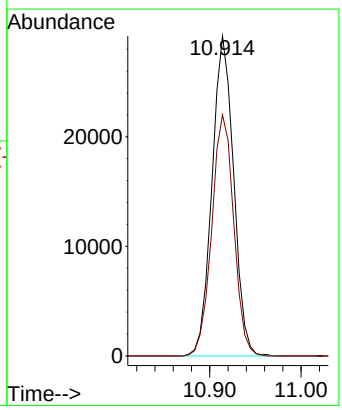


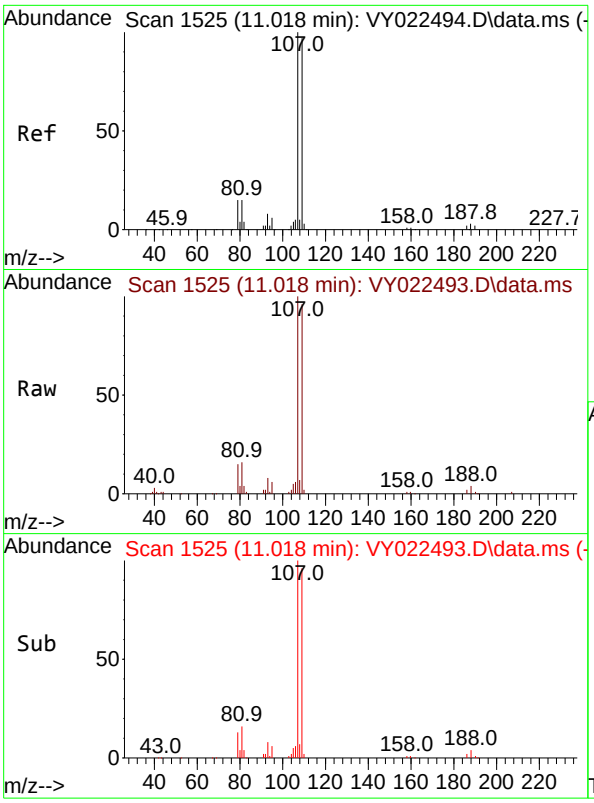


#60
Dibromochloromethane
Concen: 21.715 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:129 Resp: 47952

Ion	Ratio	Lower	Upper
129	100		
127	76.5	39.1	117.2



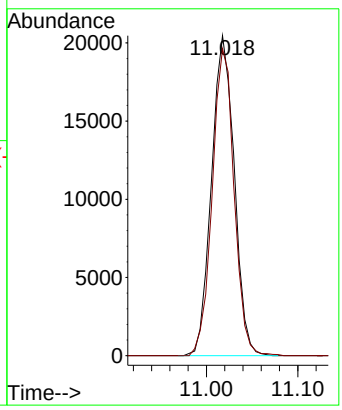


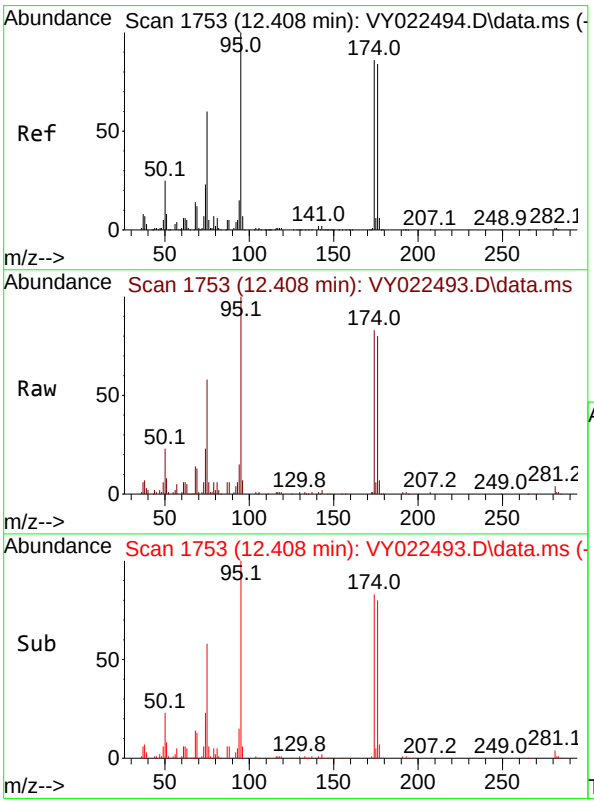
#61
1,2-Dibromoethane
Concen: 21.965 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 35324

Ion	Ratio	Lower	Upper
107	100		
109	92.4	77.7	116.5

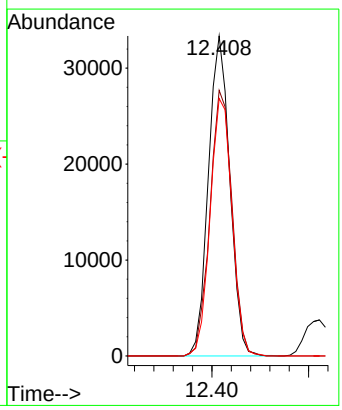


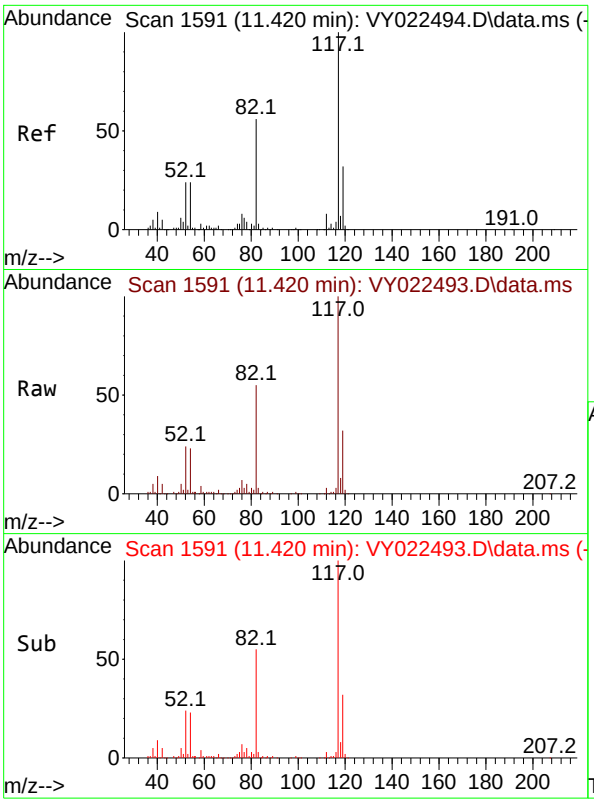


#62
4-Bromofluorobenzene
Concen: 19.225 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 95 Resp: 51231

Ion	Ratio	Lower	Upper
95	100		
174	85.7	0.0	170.0
176	82.3	0.0	166.2



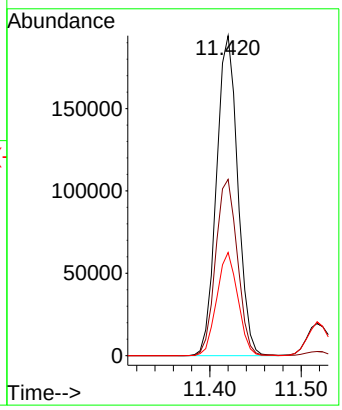


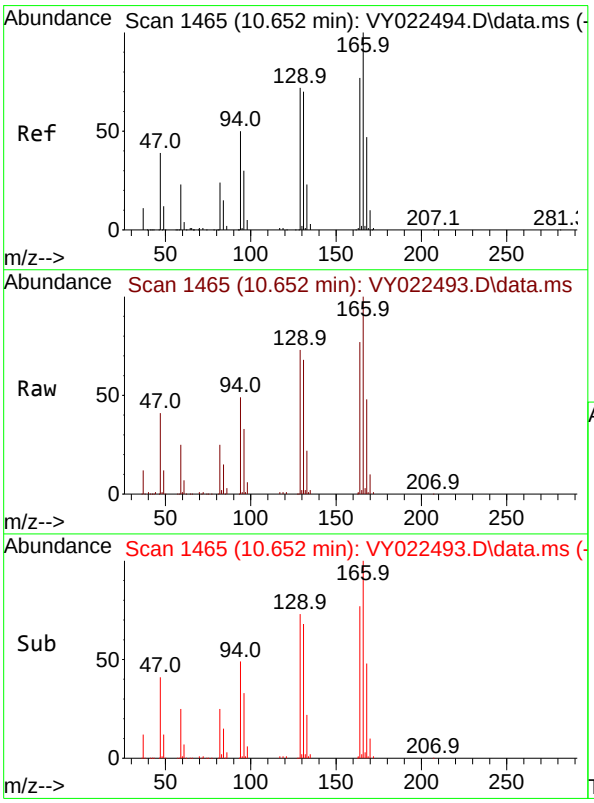
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 314276

Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.6	66.8
119	32.2	25.4	38.0

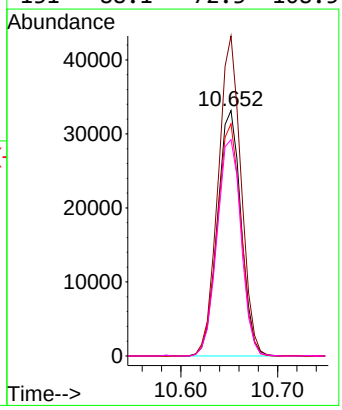


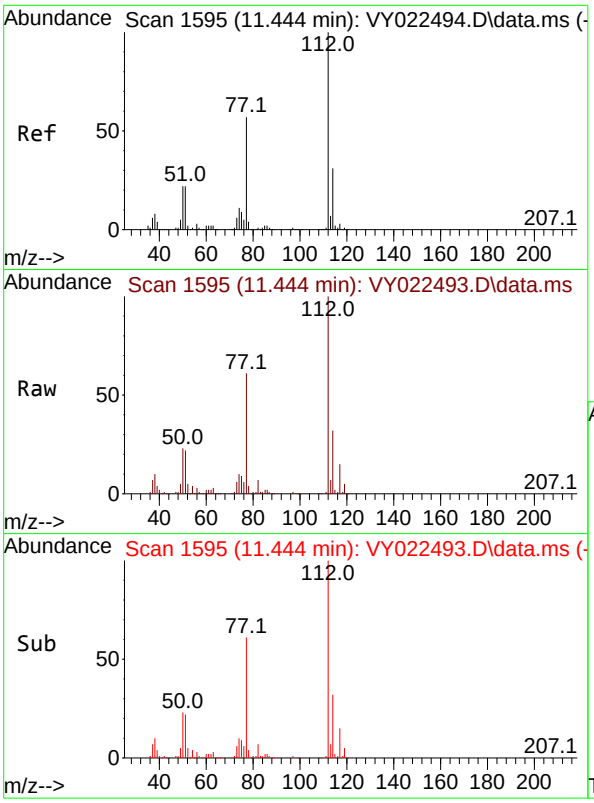


#64
Tetrachloroethene
Concen: 21.063 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:164 Resp: 56256

Ion	Ratio	Lower	Upper
164	100		
166	130.3	104.0	156.0
129	94.6	74.5	111.7
131	88.1	72.3	108.5



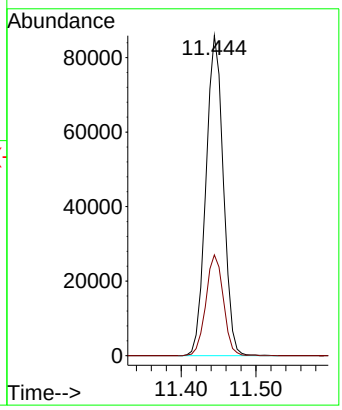


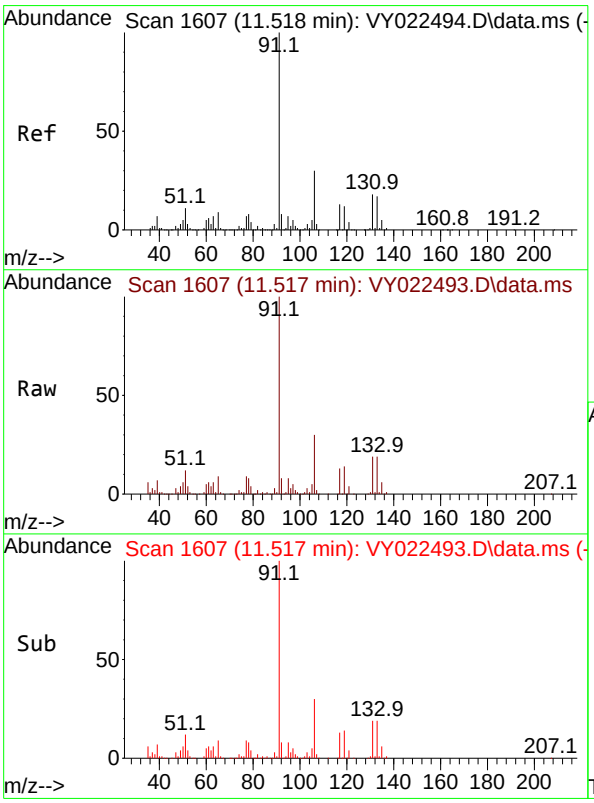
#65
Chlorobenzene
Concen: 20.336 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 138583

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.0	37.6

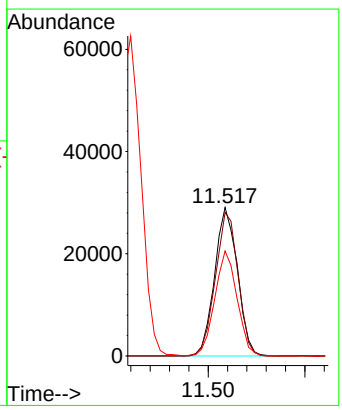


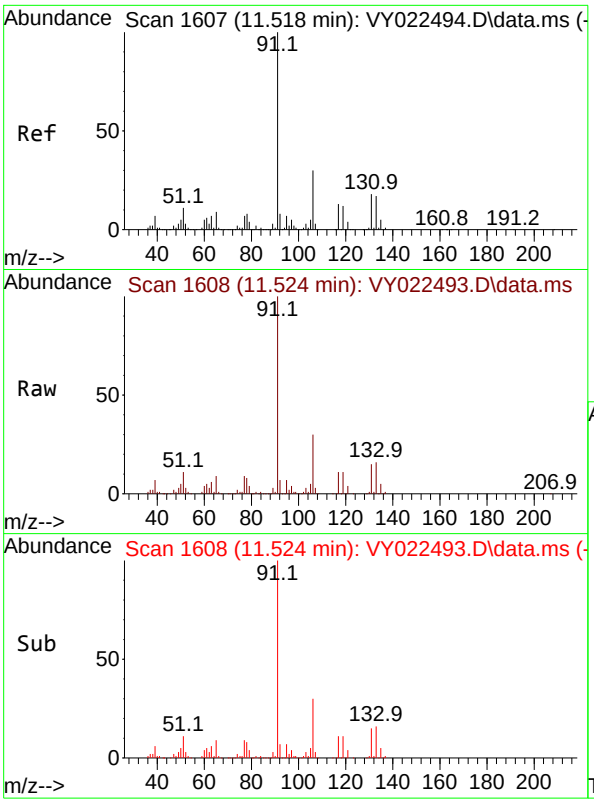


#66
1,1,1,2-Tetrachloroethane
Concen: 20.600 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:131 Resp: 47587

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.3	141.8
119	68.9	33.1	99.3



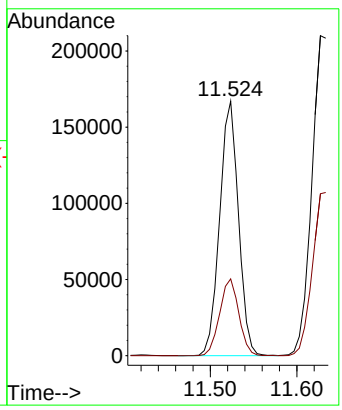


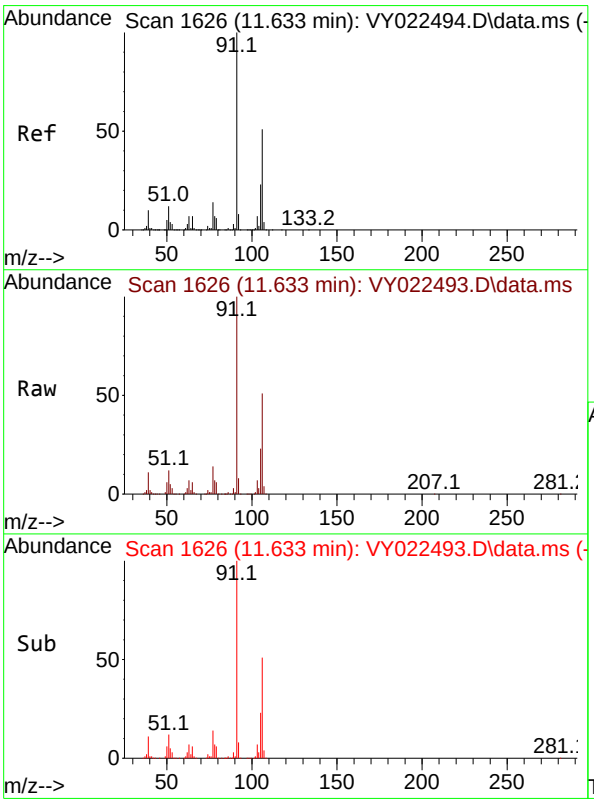
#67
Ethyl Benzene
Concen: 19.871 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 252180

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.2	36.4

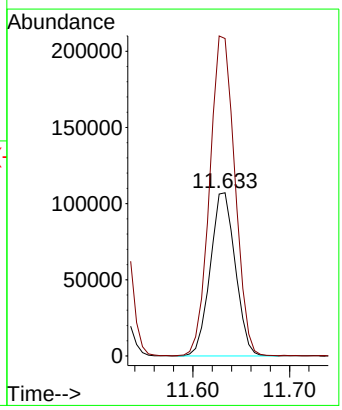


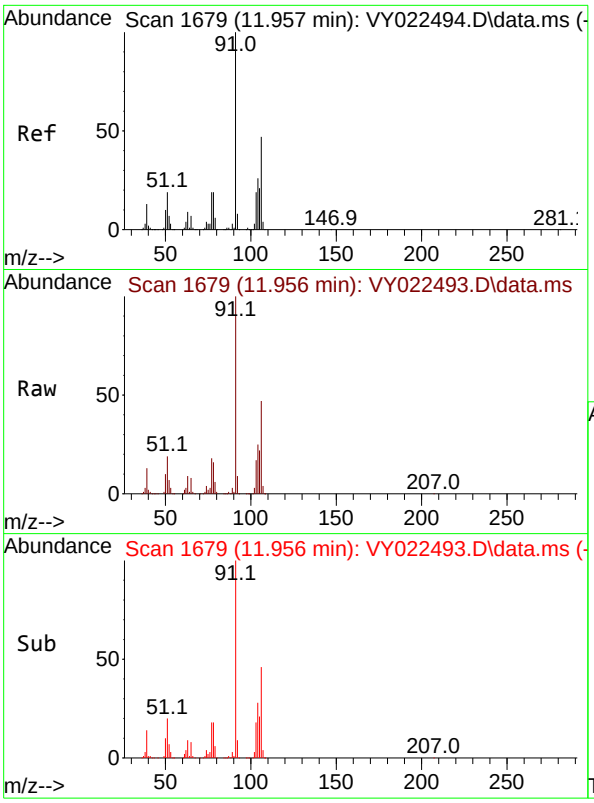


#68
m/p-Xylenes
Concen: 40.053 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:106 Resp: 192372

Ion	Ratio	Lower	Upper
106	100		
91	197.2	159.4	239.0



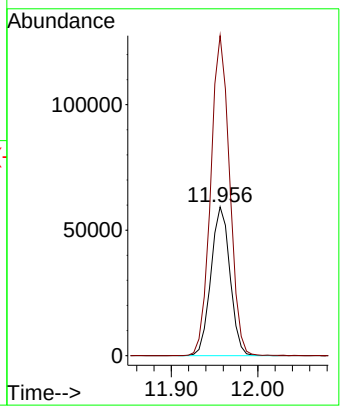


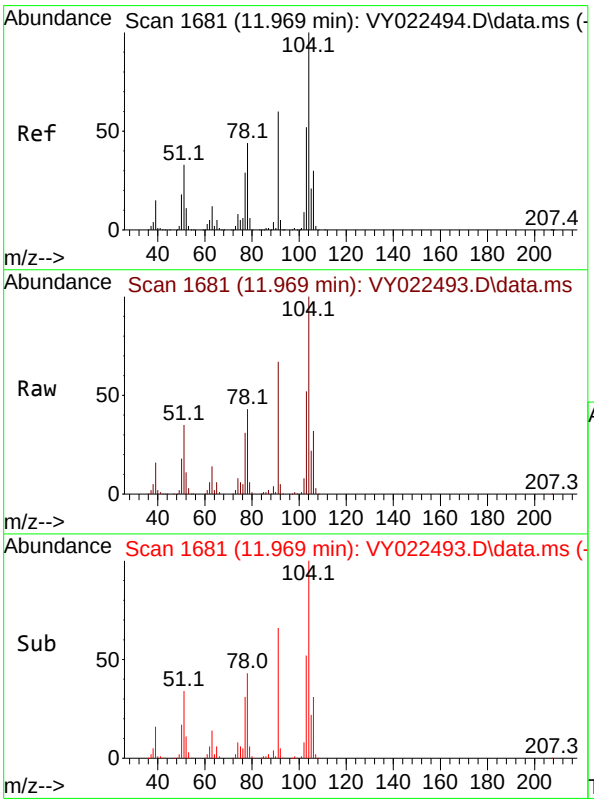
#69
o-Xylene
Concen: 20.155 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 90598

Ion	Ratio	Lower	Upper
106	100		
91	214.1	105.8	317.3

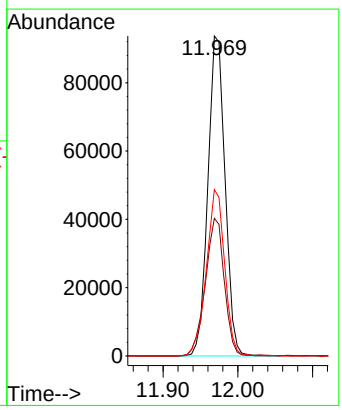


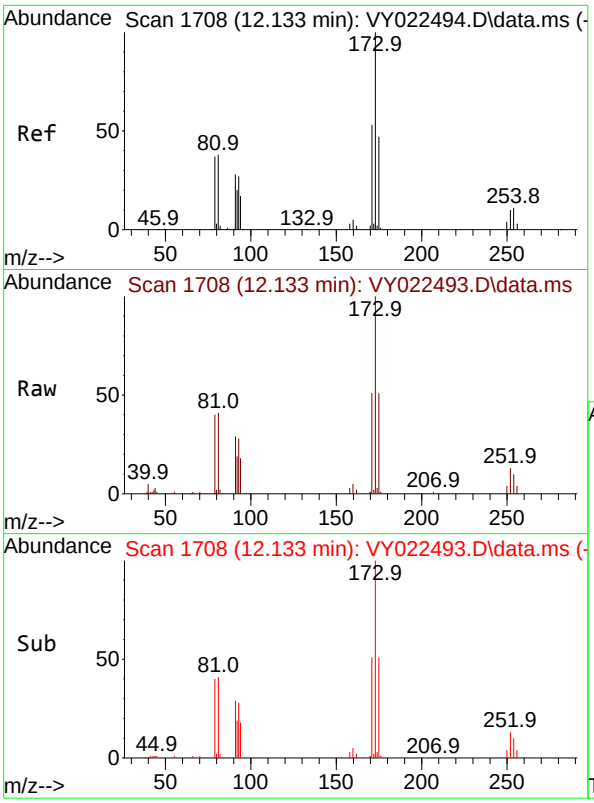


#70
Styrene
Concen: 20.086 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:104 Resp: 149486

Ion	Ratio	Lower	Upper
104	100		
78	47.5	39.5	59.3
103	55.4	44.1	66.1



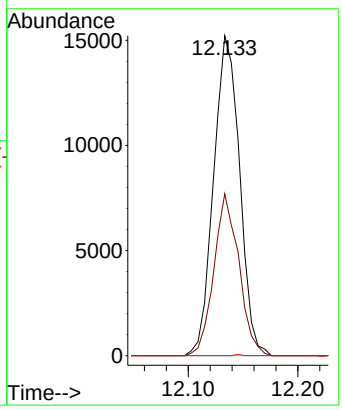


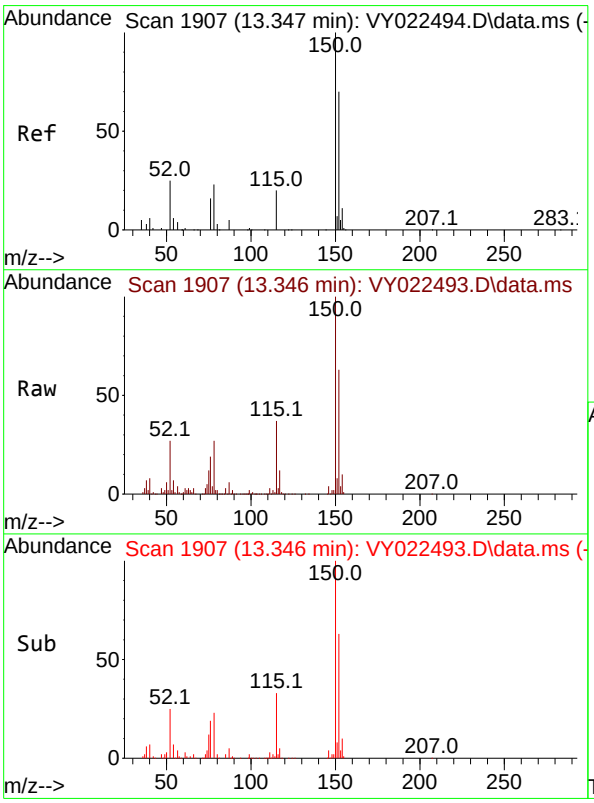
#71
Bromoform
Concen: 20.668 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 25089

Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.8	71.5
254	0.1	0.0	0.0#

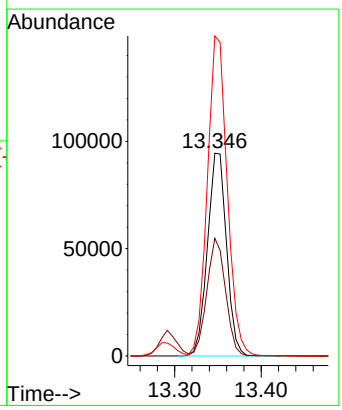


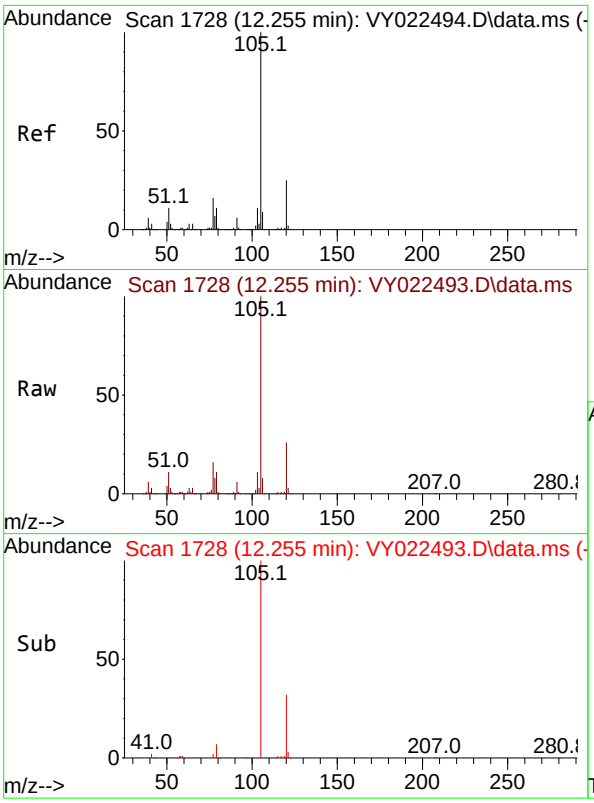


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:152 Resp: 144385

Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.9	86.7
150	164.8	0.0	349.6



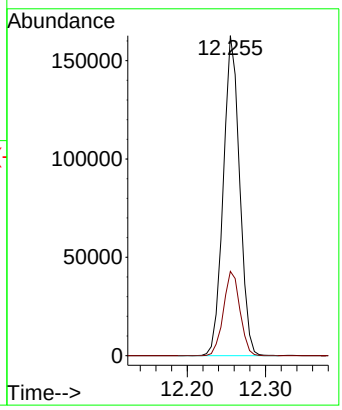


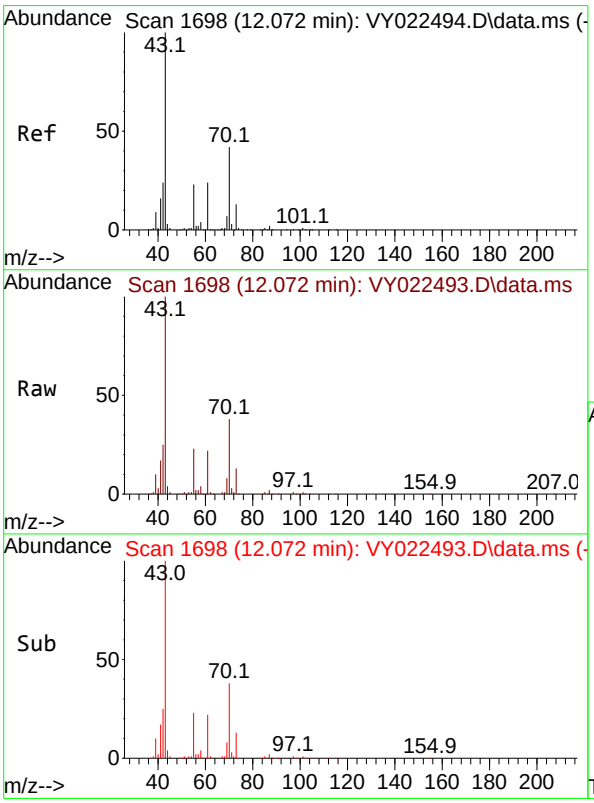
#73
Isopropylbenzene
Concen: 20.303 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 236185

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.0	38.9

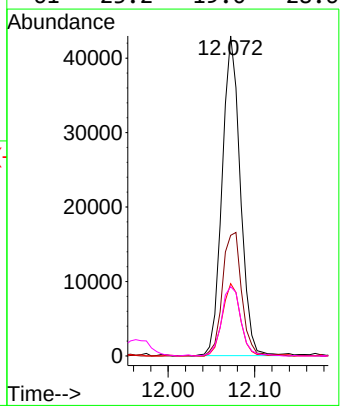


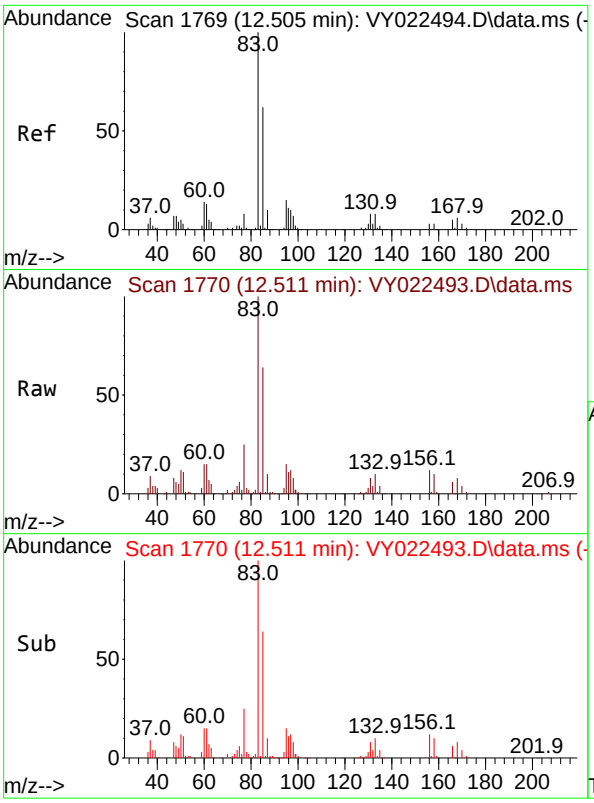


#74
N-amyl acetate
Concen: 21.224 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 43 Resp: 62437

Ion	Ratio	Lower	Upper
43	100		
70	41.2	34.2	51.2
55	22.6	18.2	27.4
61	23.2	19.0	28.6



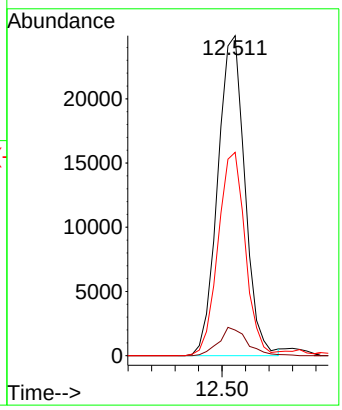


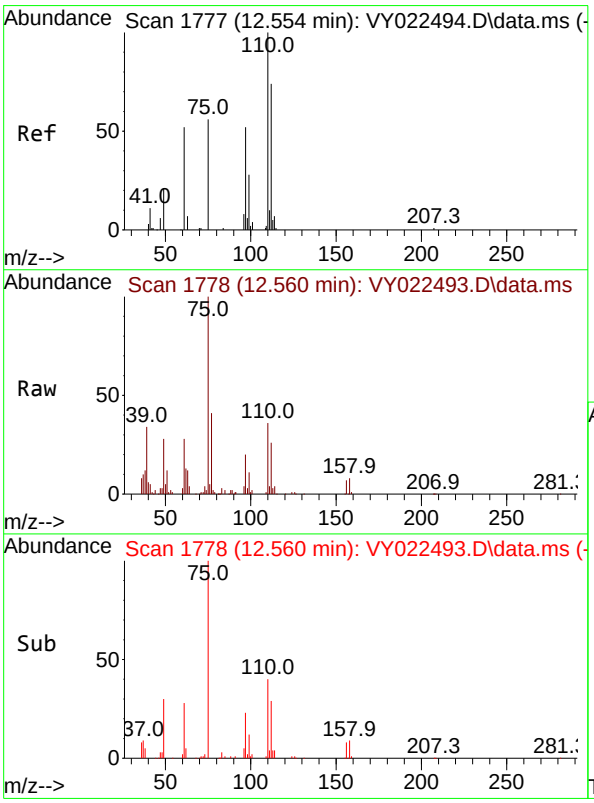
#75
1,1,2,2-Tetrachloroethane
Concen: 21.165 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 39986

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.9	14.7
85	63.8	32.6	97.8

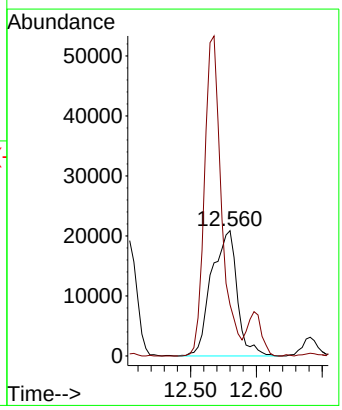


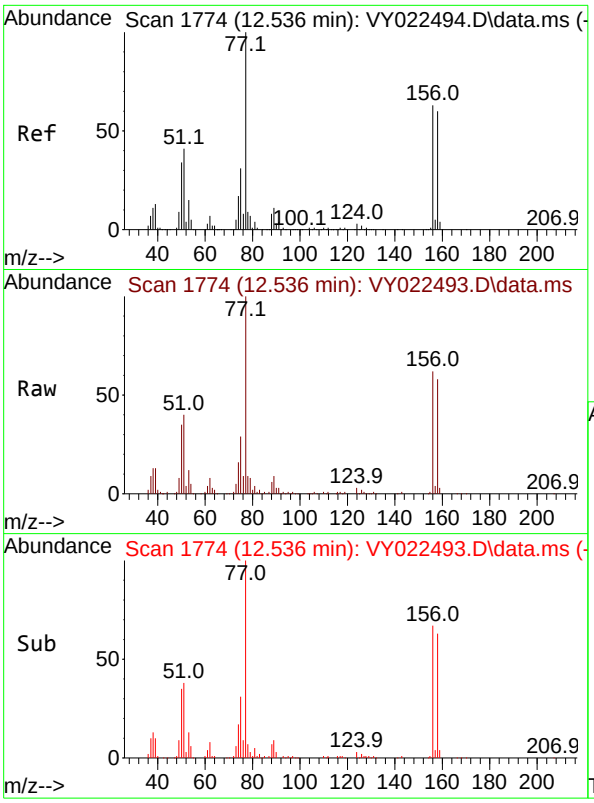


#76
1,2,3-Trichloropropane
Concen: 29.805 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 75 Resp: 56811

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



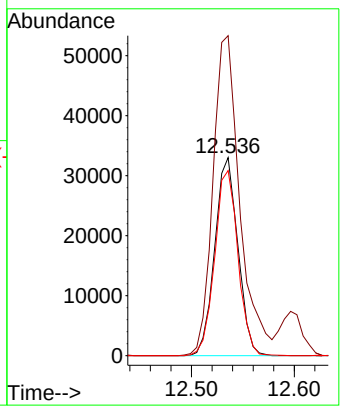


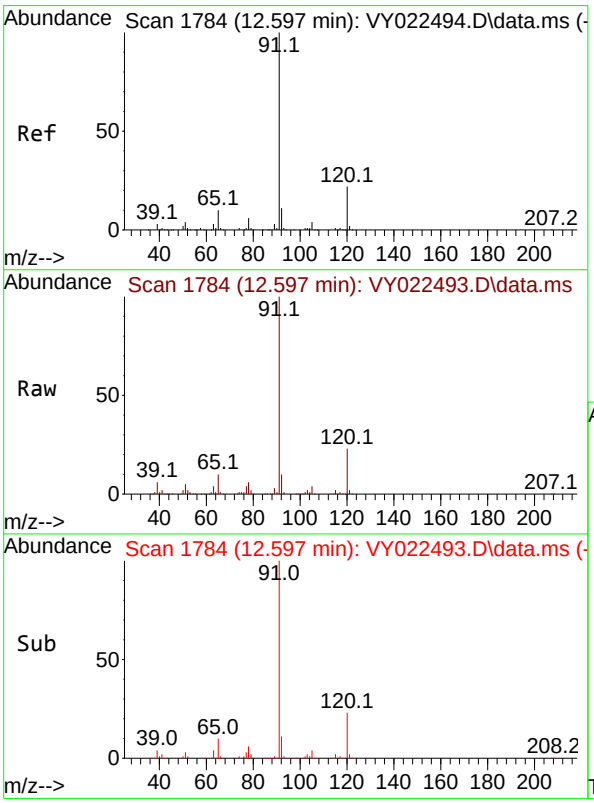
#77
Bromobenzene
Concen: 20.853 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 51416

Ion	Ratio	Lower	Upper
156	100		
77	187.6	94.0	282.1
158	94.2	48.2	144.6

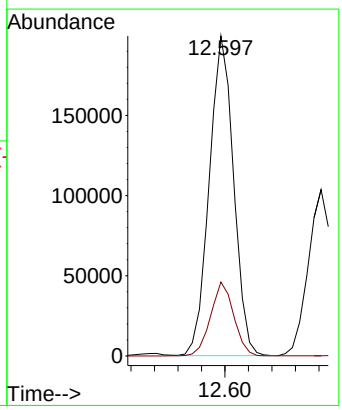


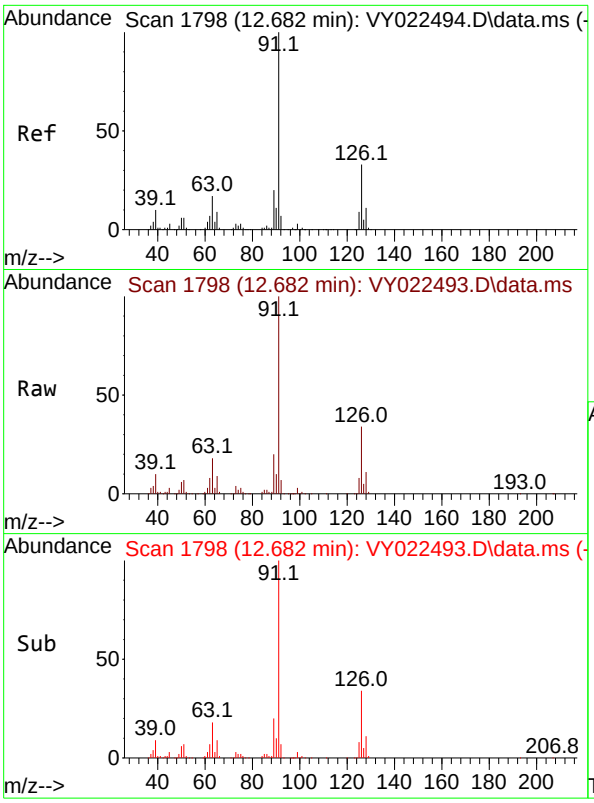


#78
n-propylbenzene
Concen: 20.239 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 91 Resp: 286589

Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.8	32.4



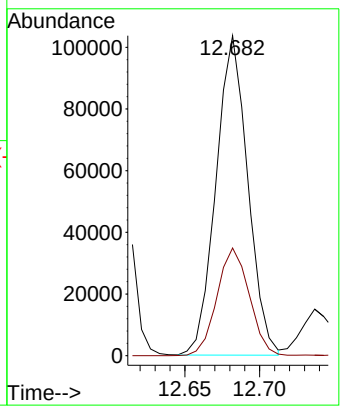


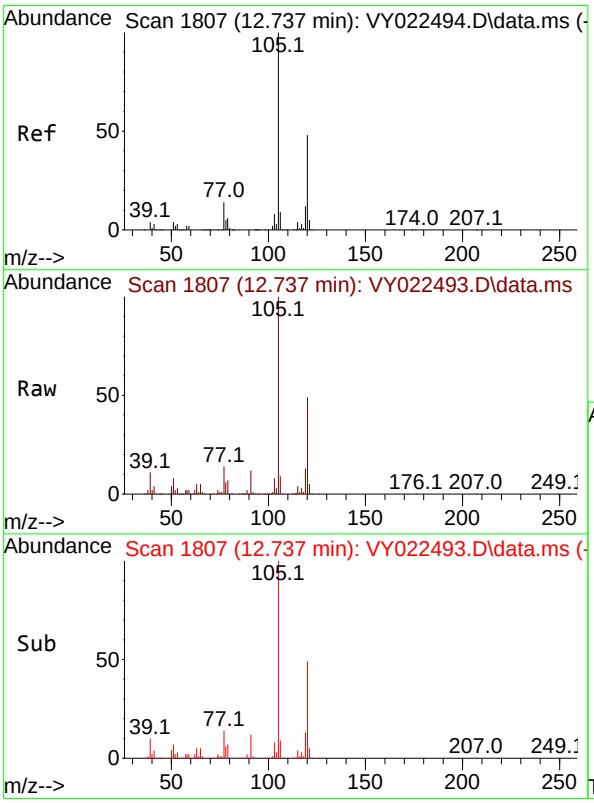
#79
2-Chlorotoluene
Concen: 20.497 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 153250

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	51.0

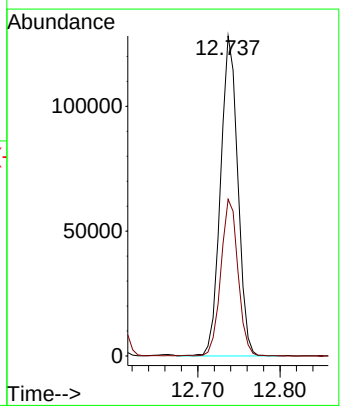


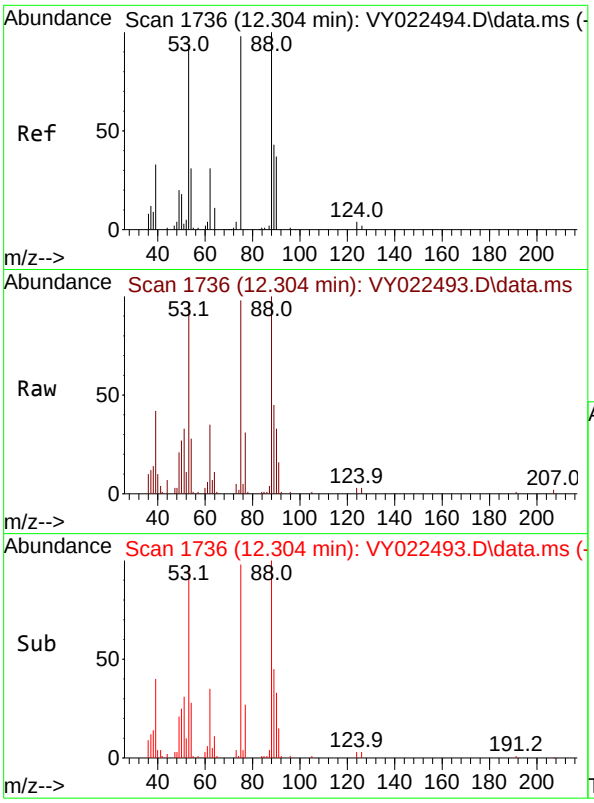


#80
1,3,5-Trimethylbenzene
Concen: 20.570 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:105 Resp: 187101

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.1	72.4



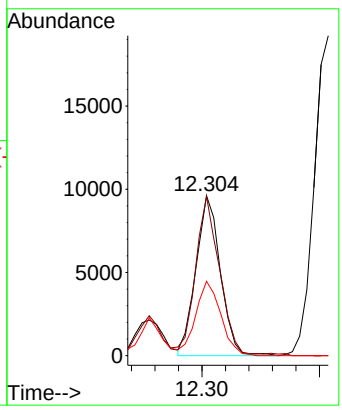


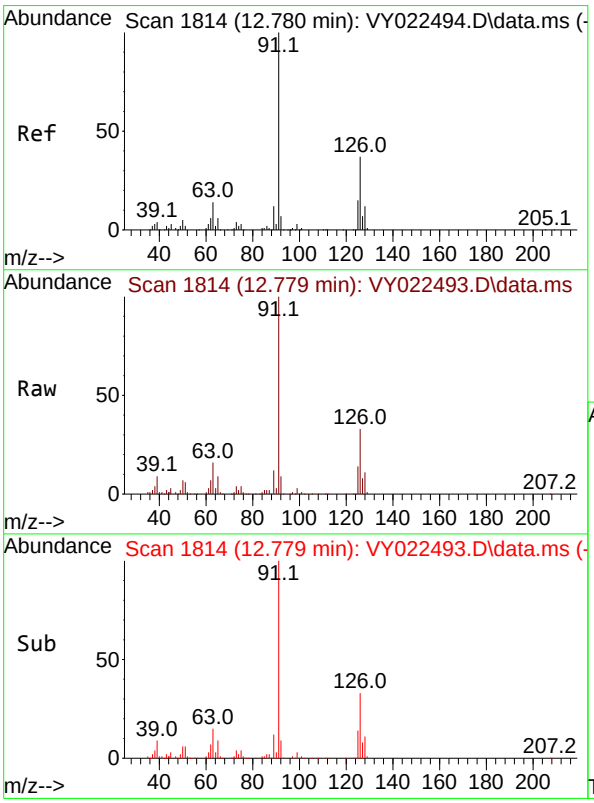
#81
trans-1,4-Dichloro-2-butene
Concen: 20.904 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 13897

Ion	Ratio	Lower	Upper
75	100		
53	96.6	78.5	117.7
89	47.7	35.7	53.5

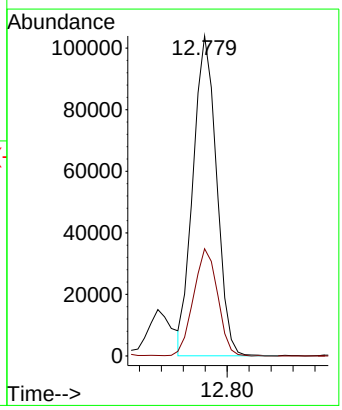


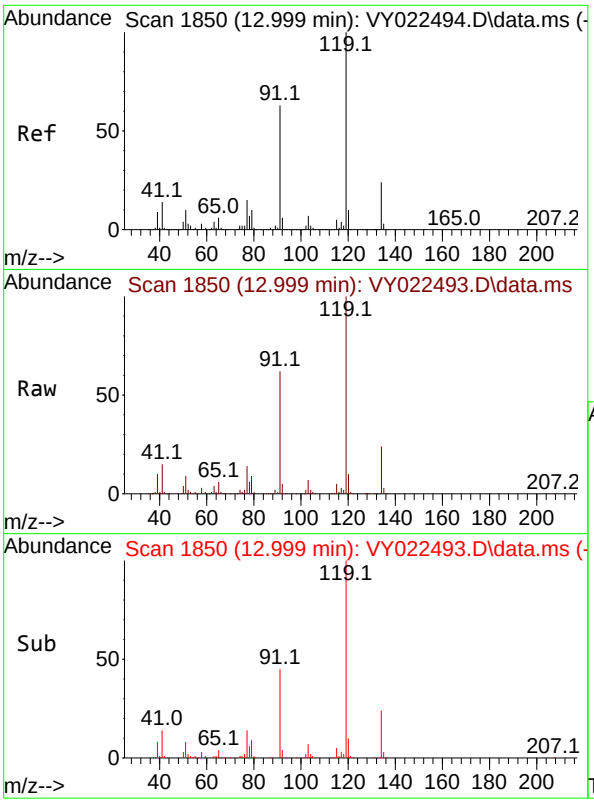


#82
4-Chlorotoluene
Concen: 19.951 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 91 Resp: 154601

Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.0	50.9



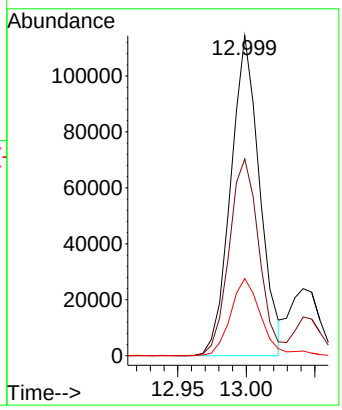


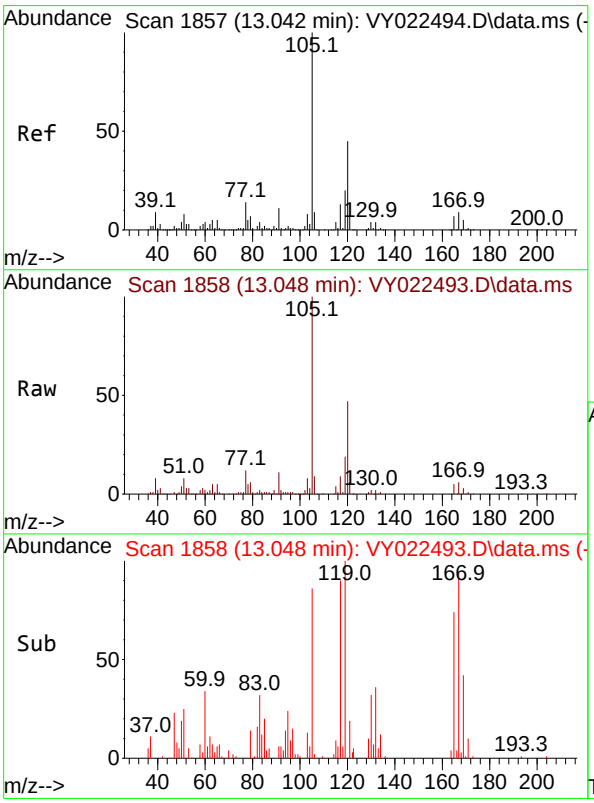
#83
tert-Butylbenzene
Concen: 20.188 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 167512

Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.1	96.3
134	25.7	13.0	38.9

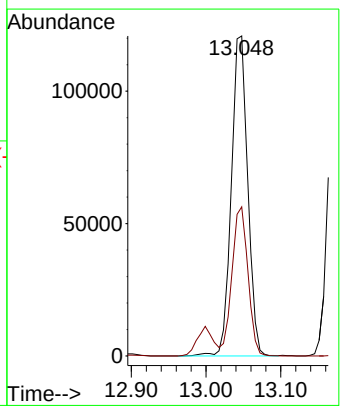


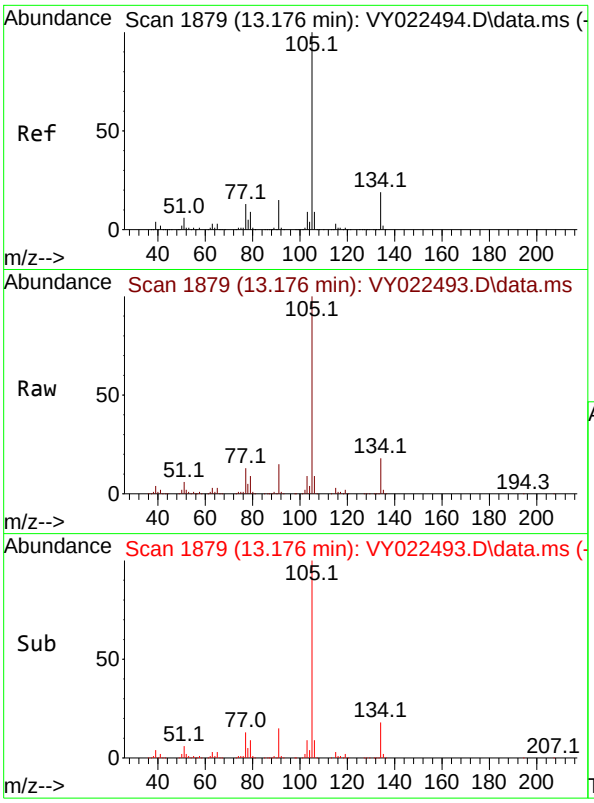


#84
1,2,4-Trimethylbenzene
Concen: 20.241 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:105 Resp: 184202

Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.7	68.1



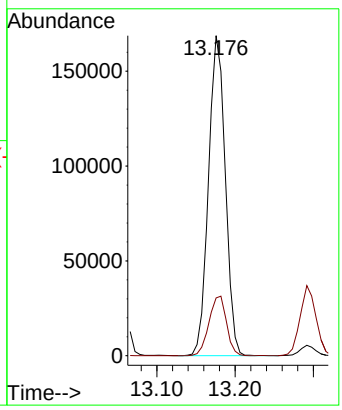


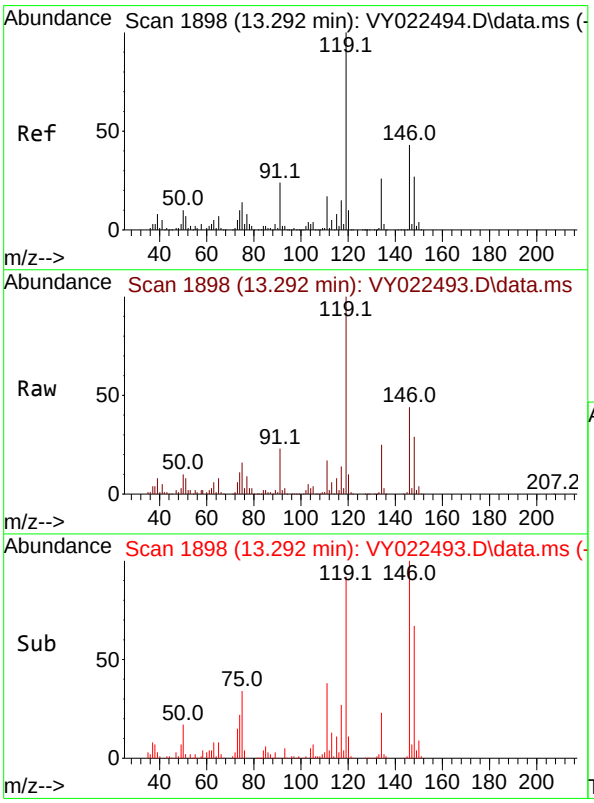
#85
sec-Butylbenzene
Concen: 19.979 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 251350

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9

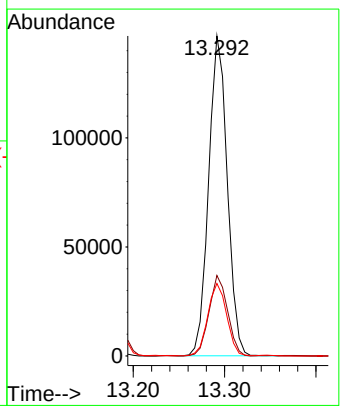


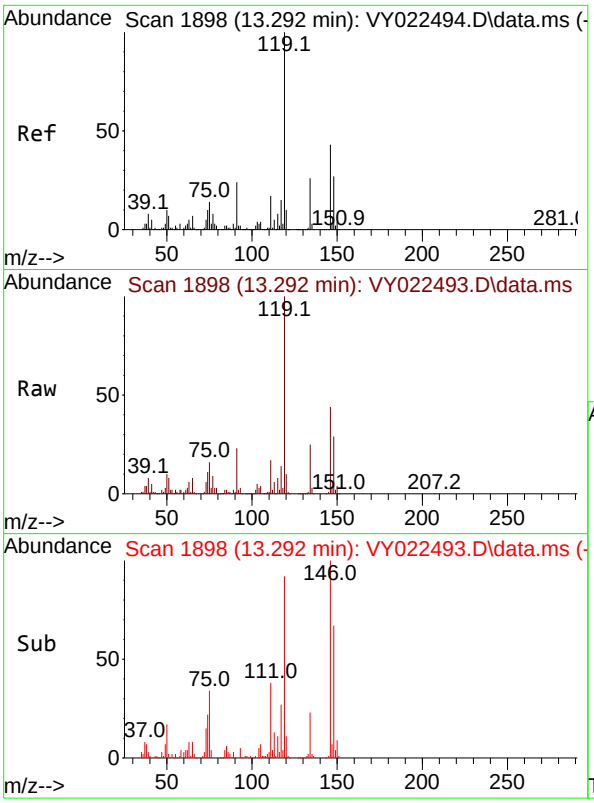


#86
p-Isopropyltoluene
Concen: 20.054 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:119 Resp: 207417

Ion	Ratio	Lower	Upper
119	100		
134	25.1	13.1	39.1
91	22.8	11.6	34.8



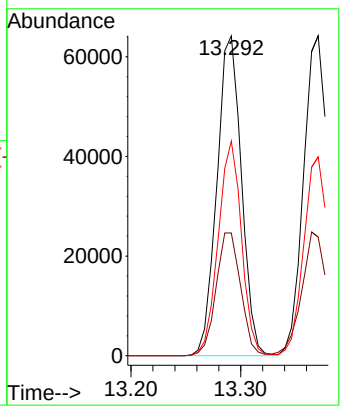


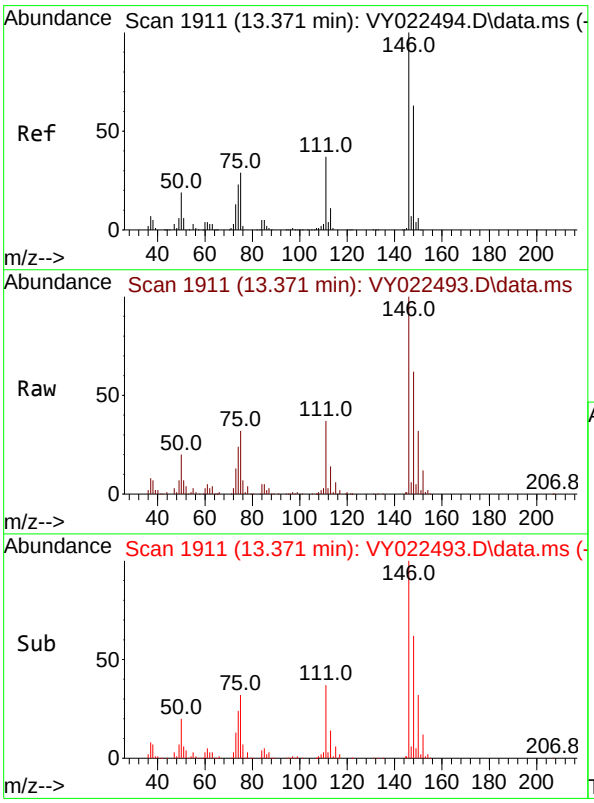
#87
1,3-Dichlorobenzene
Concen: 20.252 ug/l
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 99901

Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.1	60.2
148	63.9	32.1	96.3

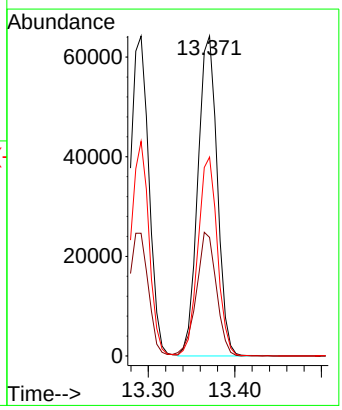


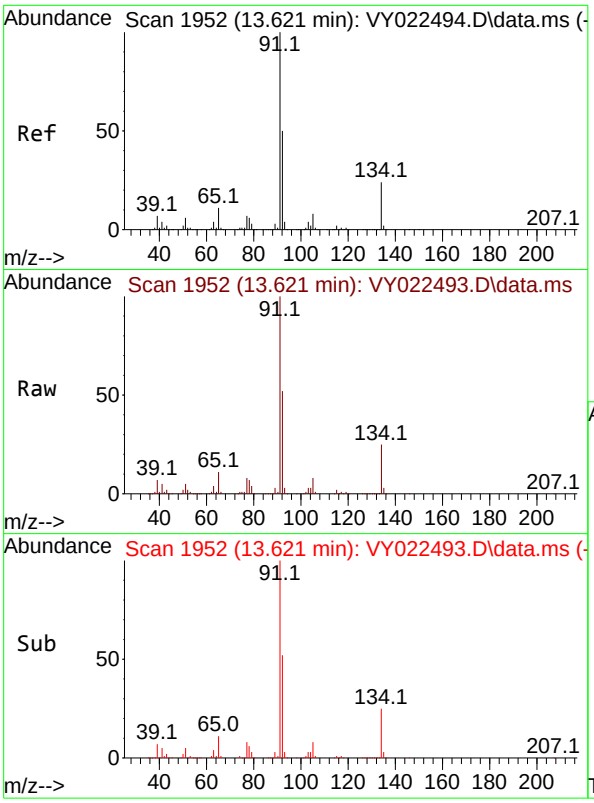


#88
1,4-Dichlorobenzene
Concen: 20.823 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:146 Resp: 100082

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.4	58.2
148	62.1	31.6	94.8



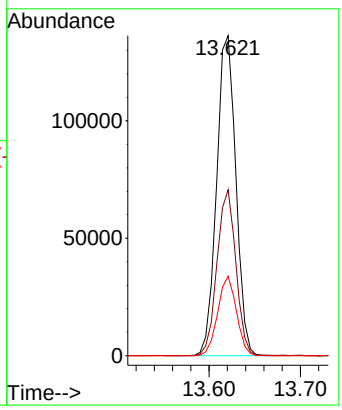


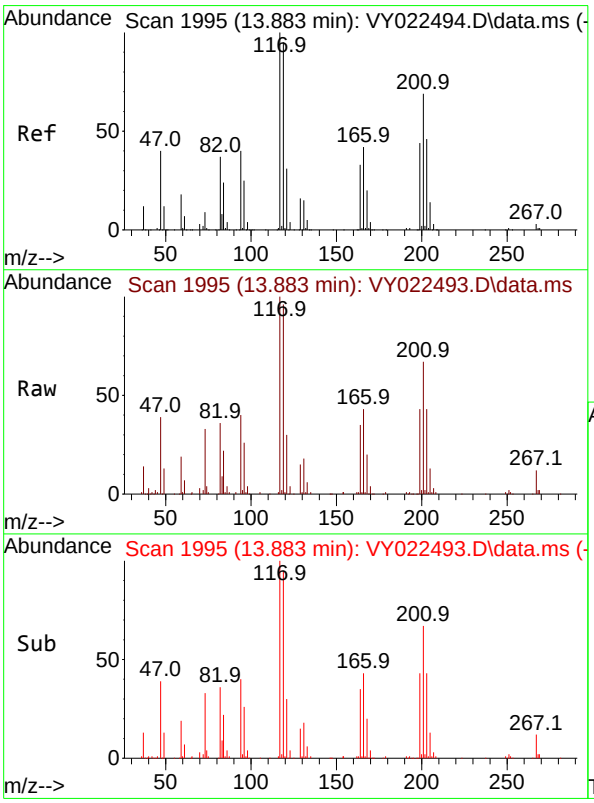
#89
n-Butylbenzene
Concen: 20.287 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 199786

Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.9	77.8
134	24.1	12.0	36.1

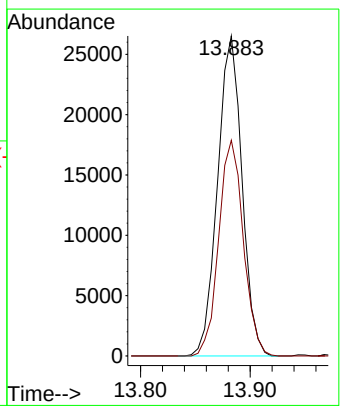


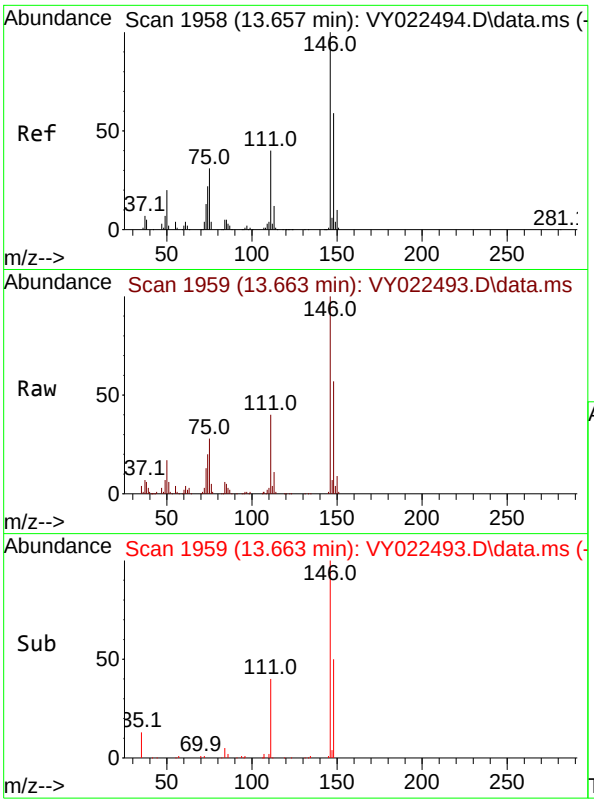


#90
Hexachloroethane
Concen: 20.316 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:117 Resp: 41119

Ion	Ratio	Lower	Upper
117	100		
201	67.9	34.0	102.0



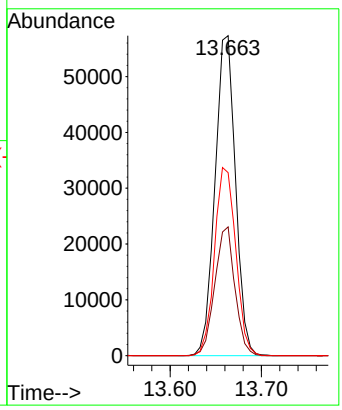


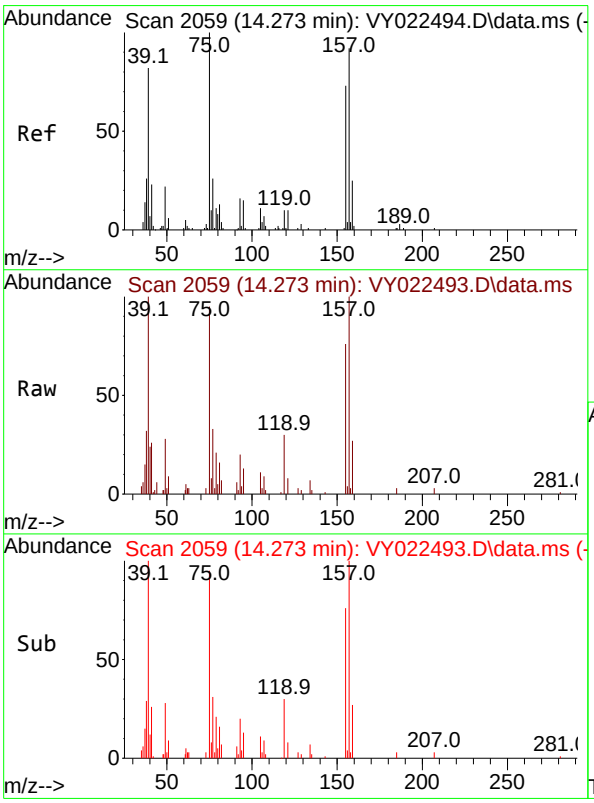
#91
1,2-Dichlorobenzene
Concen: 21.085 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 89355

Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.2	60.6
148	60.9	31.4	94.0

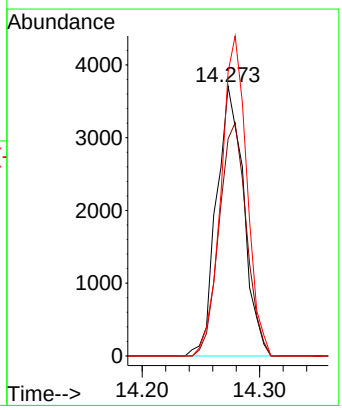


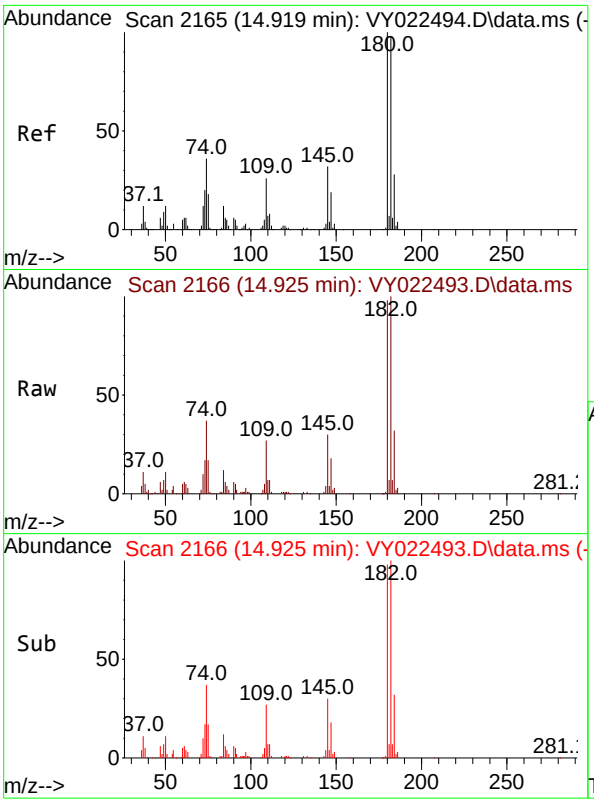


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.796 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion: 75 Resp: 5939

Ion	Ratio	Lower	Upper
75	100		
155	87.0	39.9	119.6
157	112.6	54.0	162.0



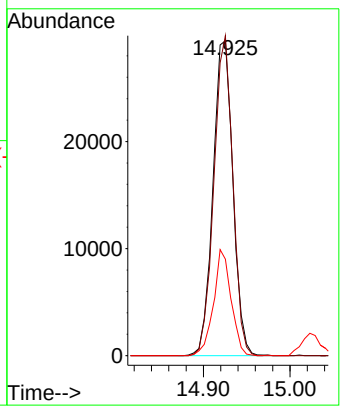


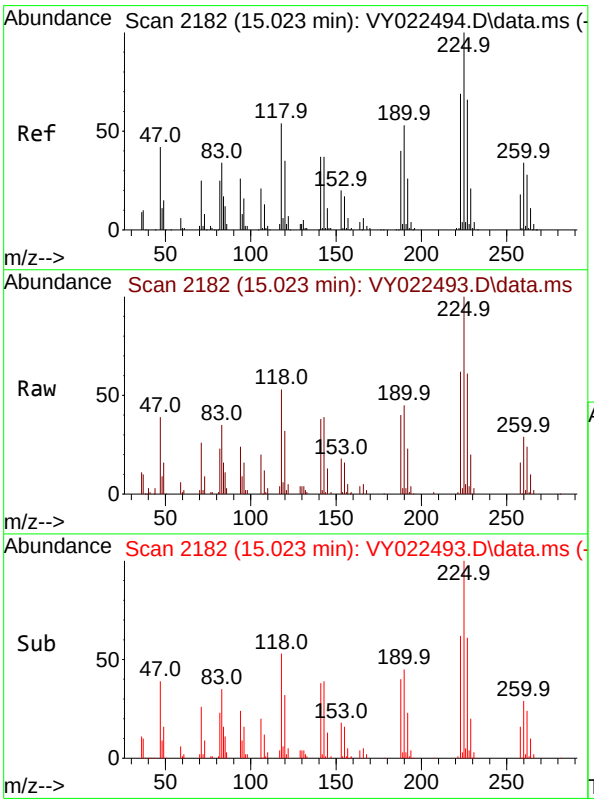
#93
1,2,4-Trichlorobenzene
Concen: 20.254 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 46919

Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.4	145.3
145	29.8	15.5	46.5

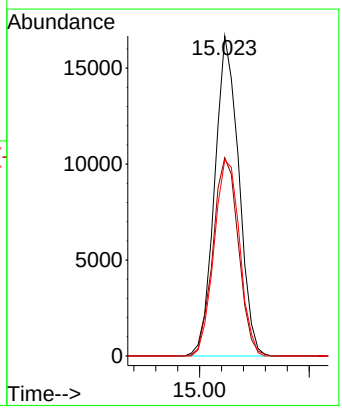


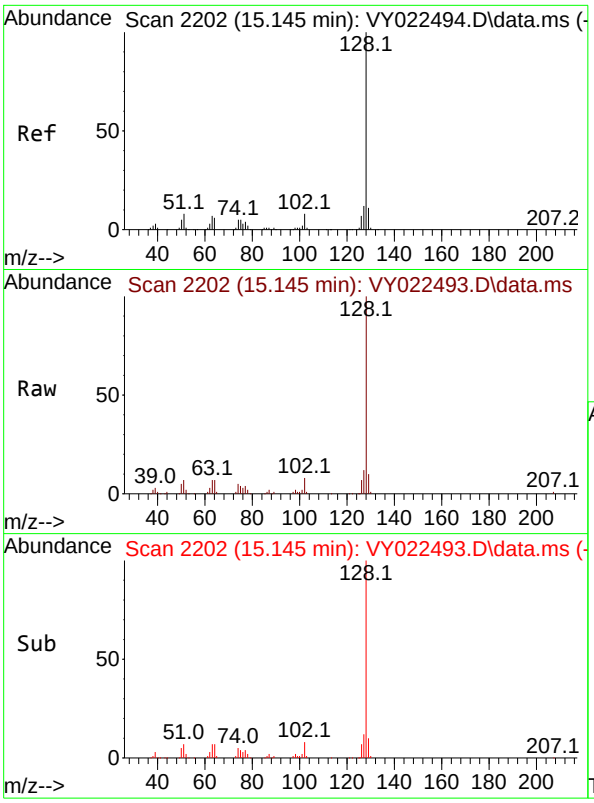


#94
Hexachlorobutadiene
Concen: 20.124 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:225 Resp: 25462

Ion	Ratio	Lower	Upper
225	100		
223	65.4	32.5	97.4
227	65.0	32.3	96.9



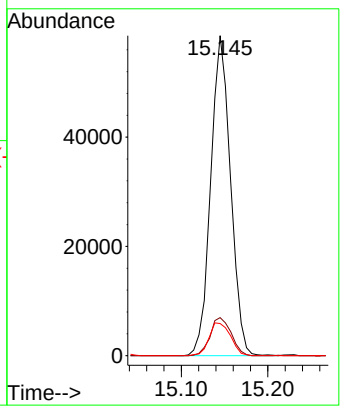


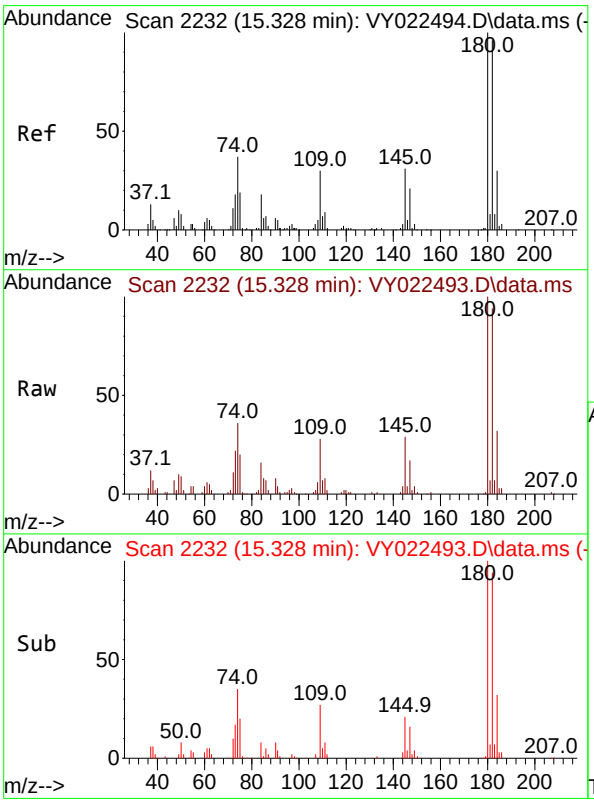
#95
Naphthalene
Concen: 20.994 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 93203

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	11.1	8.9	13.3

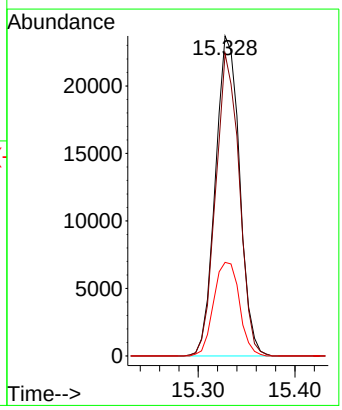




#96
1,2,3-Trichlorobenzene
Concen: 20.892 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022493.D
Acq: 02 Jun 2025 12:32

Tgt Ion:180 Resp: 41131

Ion	Ratio	Lower	Upper
180	100		
182	91.9	47.1	141.3
145	31.1	15.2	45.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	209963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	350947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	298187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	139554	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	124098	54.320	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.640%			
35) Dibromofluoromethane	7.640	113	112624	54.514	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.020%			
50) Toluene-d8	10.109	98	448690	53.734	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.460%			
62) 4-Bromofluorobenzene	12.408	95	130393	51.503	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	86654	47.230	ug/l	100
3) Chloromethane	2.068	50	258324	47.727	ug/l	100
4) Vinyl Chloride	2.202	62	314332	49.618	ug/l	100
5) Bromomethane	2.598	94	260442	43.463	ug/l	100
6) Chloroethane	2.739	64	202595	46.711	ug/l	100
7) Trichlorofluoromethane	3.056	101	257006	47.749	ug/l	100
8) Diethyl Ether	3.464	74	61045	51.349	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	112910	50.009	ug/l	100
10) Methyl Iodide	4.007	142	135237	55.855	ug/l	100
11) Tert butyl alcohol	4.885	59	41304	253.096	ug/l	100
12) 1,1-Dichloroethene	3.800	96	108756	50.463	ug/l	100
13) Acrolein	3.659	56	50388	252.946	ug/l	100
14) Allyl chloride	4.391	41	169258	50.399	ug/l	100
15) Acrylonitrile	5.068	53	132018	261.075	ug/l	100
16) Acetone	3.879	43	121507	269.036	ug/l	100
17) Carbon Disulfide	4.110	76	349342	50.769	ug/l	100
18) Methyl Acetate	4.397	43	69815	51.384	ug/l	100
19) Methyl tert-butyl Ether	5.129	73	308578	51.316	ug/l	100
20) Methylene Chloride	4.623	84	120562	47.810	ug/l	100
21) trans-1,2-Dichloroethene	5.122	96	119917	49.807	ug/l	100
22) Diisopropyl ether	6.025	45	381760	51.120	ug/l	100
23) Vinyl Acetate	5.970	43	1137415	256.734	ug/l	100
24) 1,1-Dichloroethane	5.921	63	222533	50.410	ug/l	100
25) 2-Butanone	6.903	43	176185	264.461	ug/l	100
26) 2,2-Dichloropropane	6.890	77	198763	50.650	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	143210	51.463	ug/l	100
28) Bromochloromethane	7.250	49	95397	50.015	ug/l	100
29) Tetrahydrofuran	7.268	42	109698	255.247	ug/l	100
30) Chloroform	7.427	83	222226	50.944	ug/l	100
31) Cyclohexane	7.707	56	213031	47.951	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	199103	51.074	ug/l	100
36) 1,1-Dichloropropene	7.841	75	170708	51.116	ug/l	100
37) Ethyl Acetate	6.994	43	80426	54.721	ug/l	100
38) Carbon Tetrachloride	7.823	117	178292	51.787	ug/l	100
39) Methylcyclohexane	9.116	83	230536	51.100	ug/l	100
40) Benzene	8.085	78	505749	51.376	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	43865	46.342	ug/l		100
42) 1,2-Dichloroethane	8.165	62	136876	51.114	ug/l		100
43) Isopropyl Acetate	8.201	43	167771	52.237	ug/l		100
44) Trichloroethene	8.866	130	124670	51.843	ug/l		100
45) 1,2-Dichloropropane	9.146	63	120660	51.415	ug/l		100
46) Dibromomethane	9.231	93	67690	51.485	ug/l		100
47) Bromodichloromethane	9.427	83	172341	51.664	ug/l		100
48) Methyl methacrylate	9.225	41	77885	52.963	ug/l		100
49) 1,4-Dioxane	9.244	88	15334	977.637	ug/l		100
51) 4-Methyl-2-Pentanone	10.000	43	425868	267.154	ug/l		100
52) Toluene	10.176	92	316972	51.213	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	161859	52.450	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	188559	52.108	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	84788	51.209	ug/l		100
56) Ethyl methacrylate	10.445	69	127271	52.930	ug/l		100
57) 1,3-Dichloropropane	10.719	76	152809	51.821	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	279669	260.896	ug/l		100
59) 2-Hexanone	10.762	43	283601	266.885	ug/l		100
60) Dibromochloromethane	10.914	129	110314	52.582	ug/l		100
61) 1,2-Dibromoethane	11.018	107	78151	51.150	ug/l		100
64) Tetrachloroethene	10.652	164	130171	51.367	ug/l		100
65) Chlorobenzene	11.444	112	332645	51.447	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	112934	51.526	ug/l		100
67) Ethyl Benzene	11.518	91	621031	51.577	ug/l		100
68) m/p-Xylenes	11.633	106	468441	102.795	ug/l		100
69) o-Xylene	11.957	106	218760	51.293	ug/l		100
70) Styrene	11.969	104	367553	52.052	ug/l		100
71) Bromoform	12.133	173	59888	51.996	ug/l	#	100
73) Isopropylbenzene	12.255	105	577133	51.329	ug/l		100
74) N-amyl acetate	12.072	43	149637	52.627	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	95218	52.145	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	132344	71.836	ug/l	#	100
77) Bromobenzene	12.536	156	121092	50.812	ug/l		100
78) n-propylbenzene	12.597	91	707143	51.667	ug/l		100
79) 2-Chlorotoluene	12.682	91	373402	51.670	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	455006	51.754	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	32630	50.780	ug/l		100
82) 4-Chlorotoluene	12.780	91	387296	51.710	ug/l		100
83) tert-Butylbenzene	12.999	119	404519	50.438	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	449372	51.088	ug/l		100
85) sec-Butylbenzene	13.176	105	623185	51.250	ug/l		100
86) p-Isopropyltoluene	13.292	119	510026	51.018	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	241816	50.717	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	237429	51.108	ug/l		100
89) n-Butylbenzene	13.621	91	493153	51.811	ug/l		100
90) Hexachloroethane	13.883	117	99901	51.068	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	211065	51.528	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14697	53.244	ug/l		100
93) 1,2,4-Trichlorobenzene	14.919	180	114007	50.919	ug/l		100
94) Hexachlorobutadiene	15.023	225	62434	51.054	ug/l		100
95) Naphthalene	15.145	128	226073	52.686	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	97609	51.295	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

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

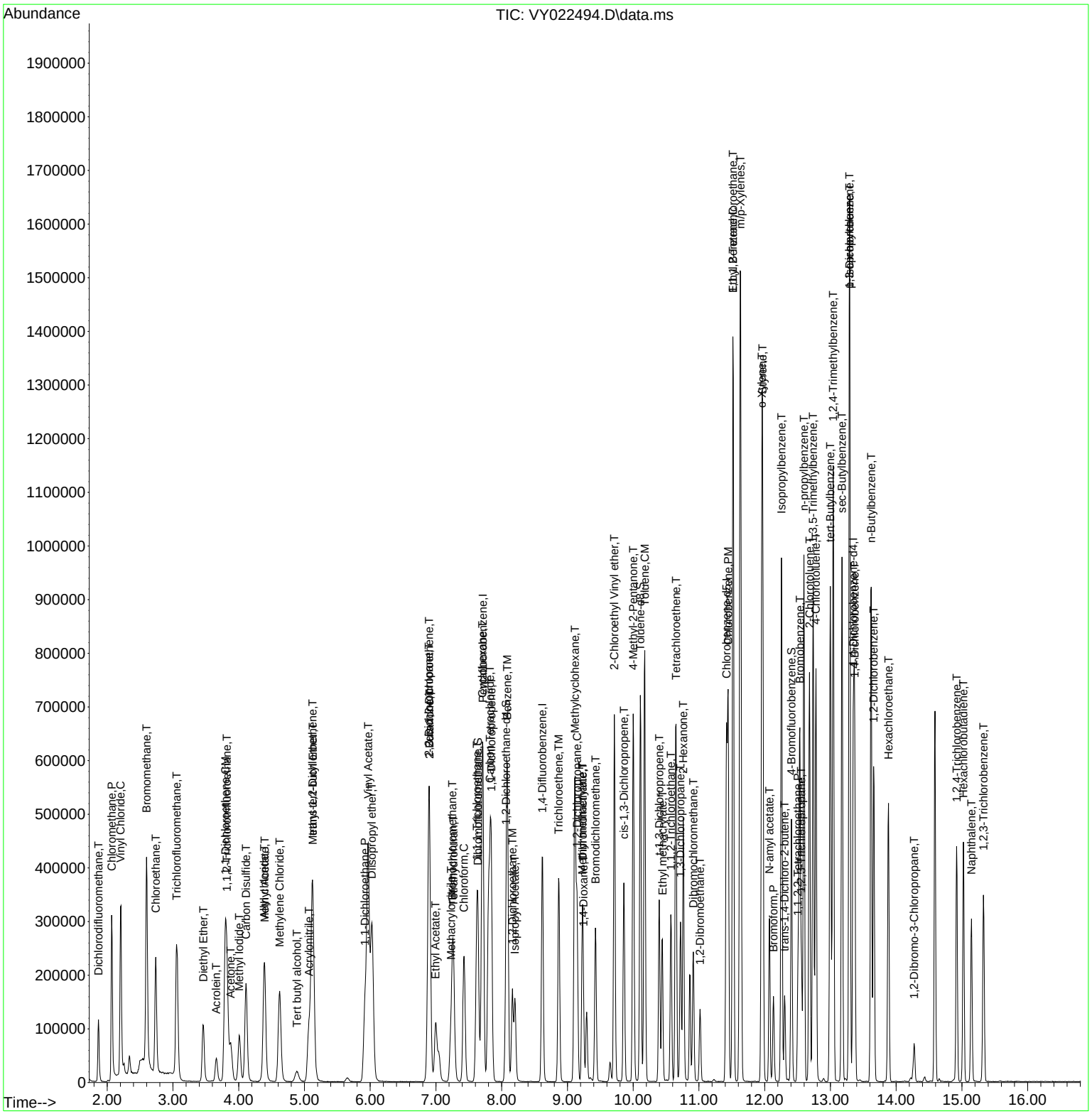
(#) = qualifier out of range (m) = manual integration (+) = signals summed

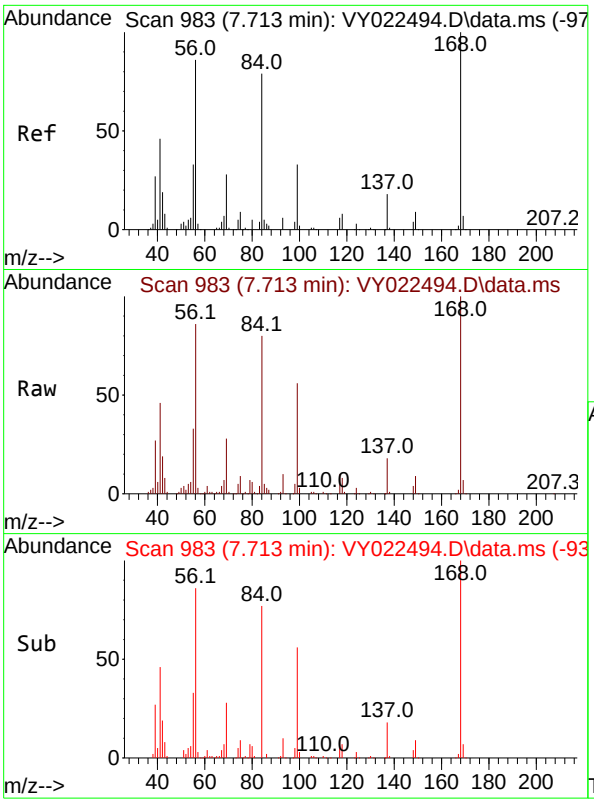
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022494.D
Acq On : 02 Jun 2025 12:54
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Jun 03 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration



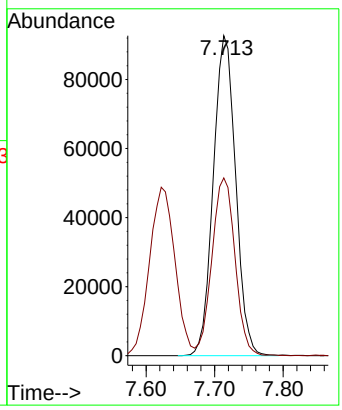


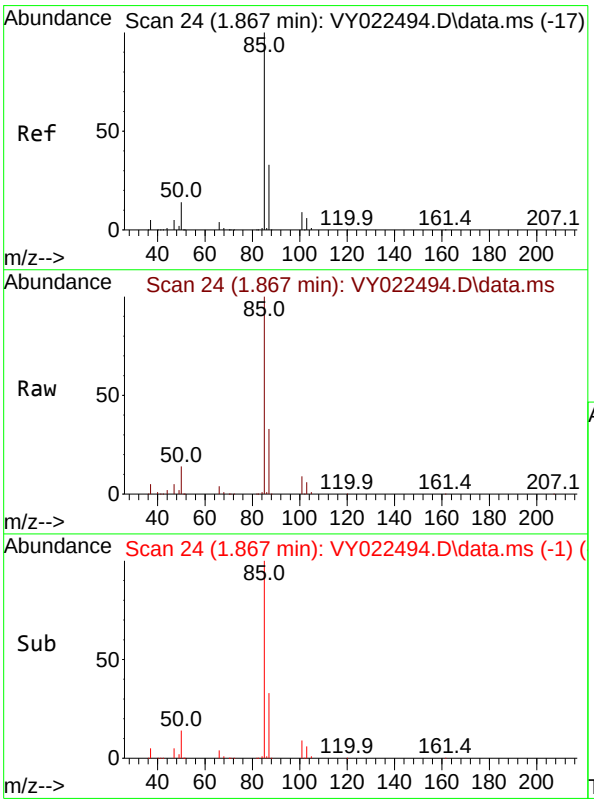
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 209963

Ion	Ratio	Lower	Upper
168	100		
99	55.4	44.3	66.5

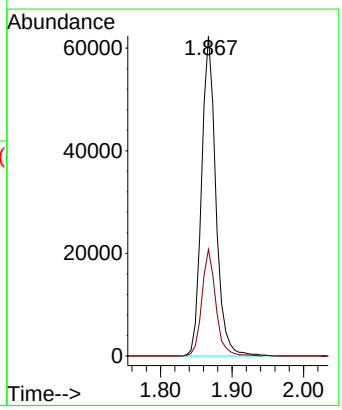


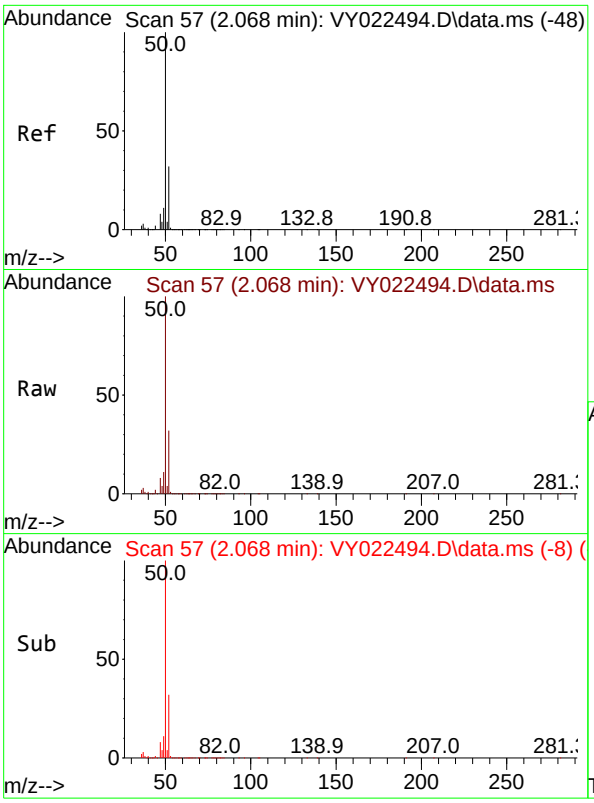


#2
Dichlorodifluoromethane
Concen: 47.230 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 85 Resp: 86654

Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.7	50.0



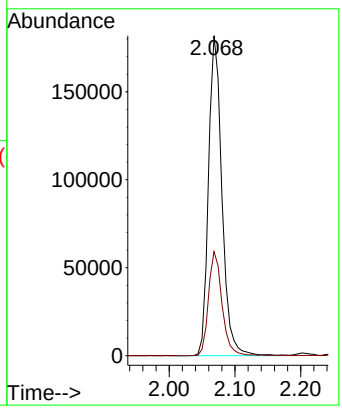


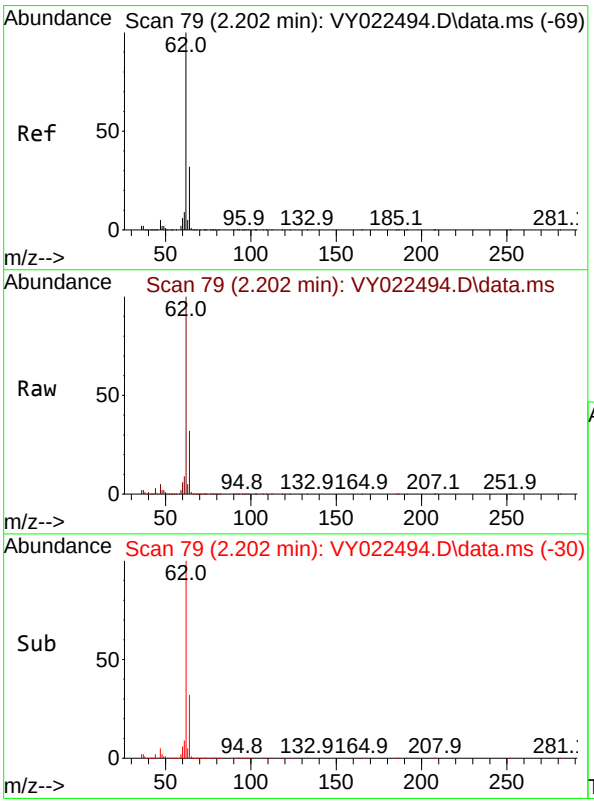
#3
Chloromethane
Concen: 47.727 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 258324

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.0	39.0

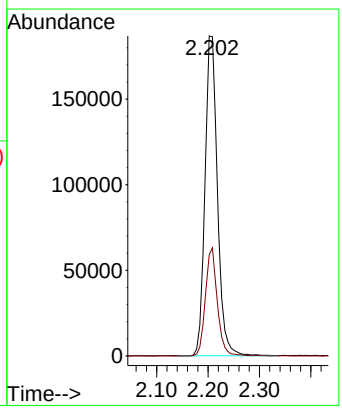


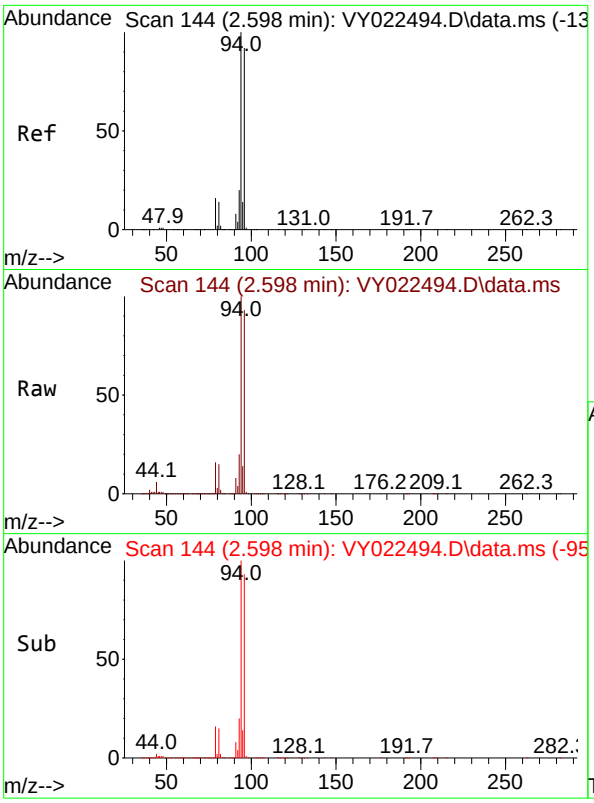


#4
Vinyl Chloride
Concen: 49.618 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 62 Resp: 314332

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.3	37.9



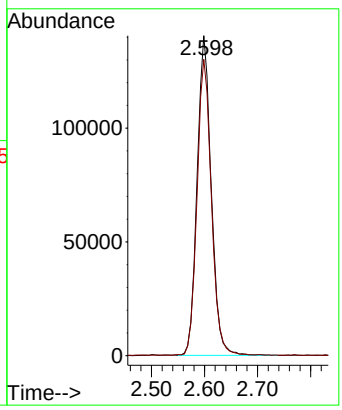


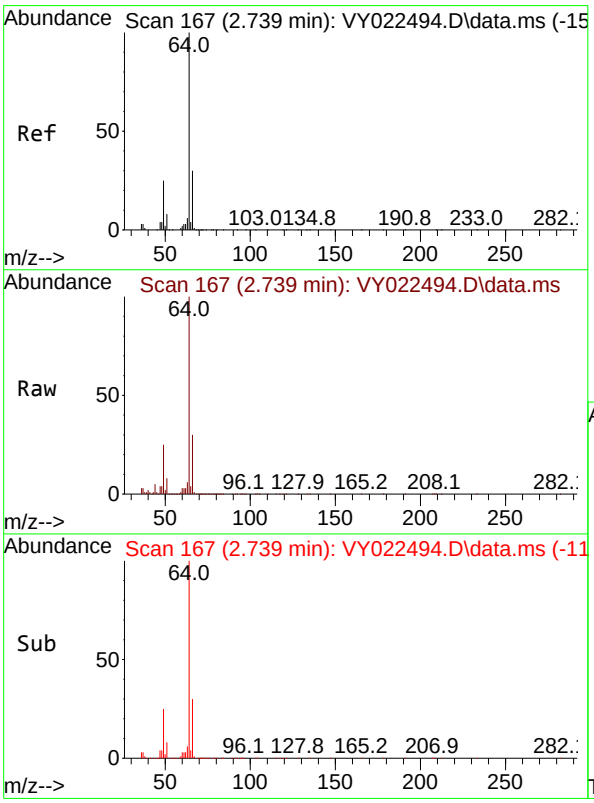
#5
Bromomethane
Concen: 43.463 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 260442

Ion	Ratio	Lower	Upper
94	100		
96	92.5	74.0	111.0

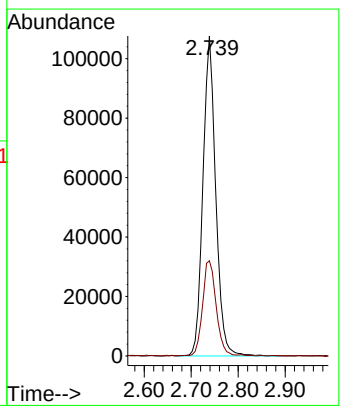


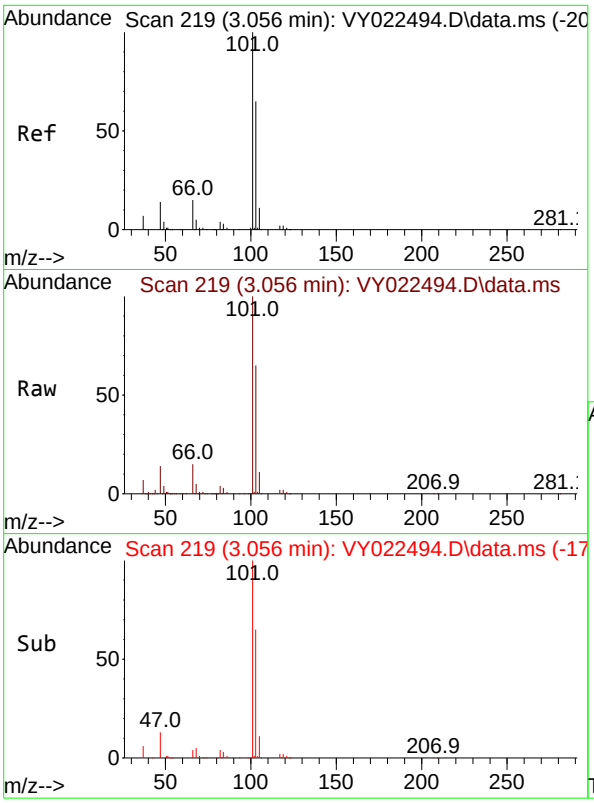


#6
Chloroethane
Concen: 46.711 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 64 Resp: 202595

Ion	Ratio	Lower	Upper
64	100		
66	29.7	23.8	35.6



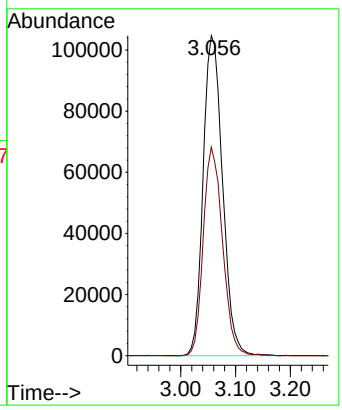


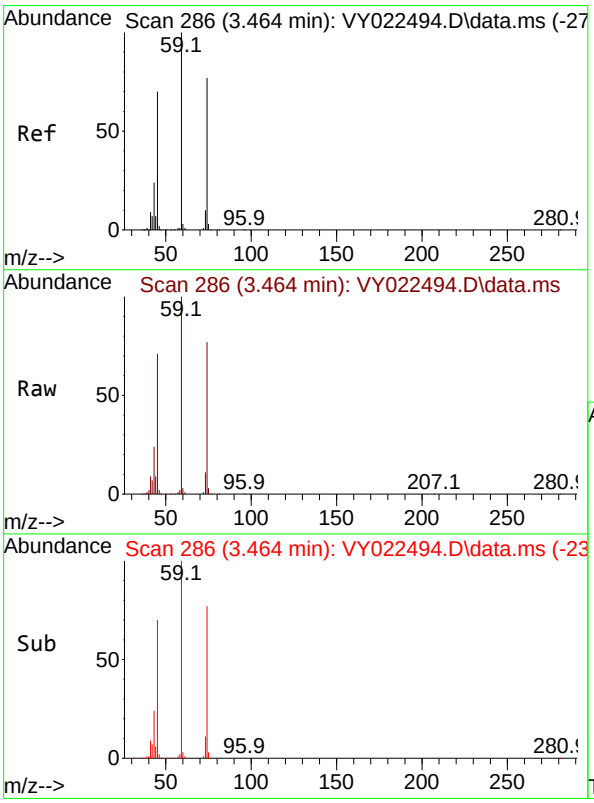
#7
Trichlorofluoromethane
Concen: 47.749 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 257006

Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.2	78.2

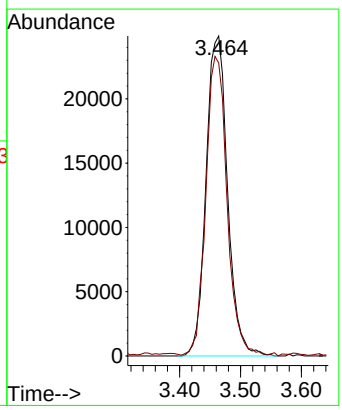


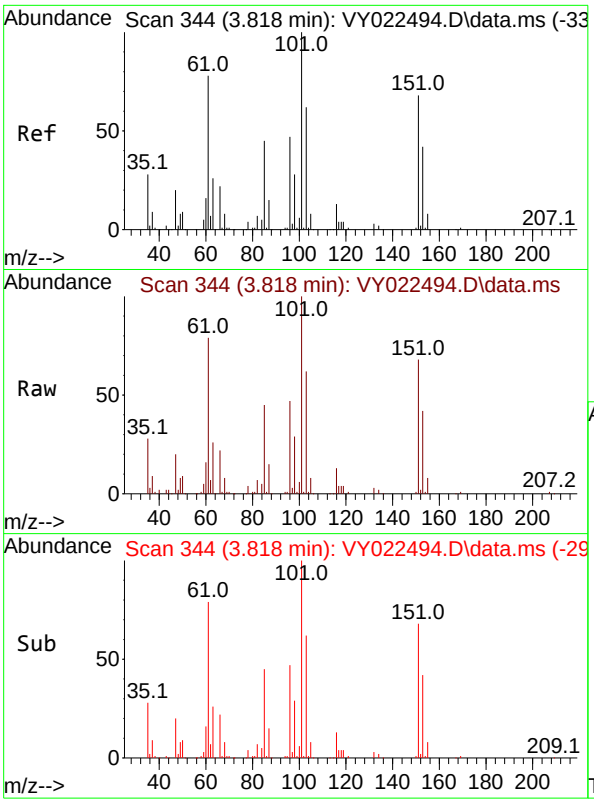


#8
Diethyl Ether
Concen: 51.349 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 74 Resp: 61045

Ion	Ratio	Lower	Upper
74	100		
45	91.7	45.9	137.6



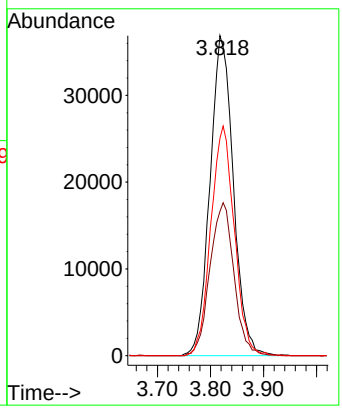


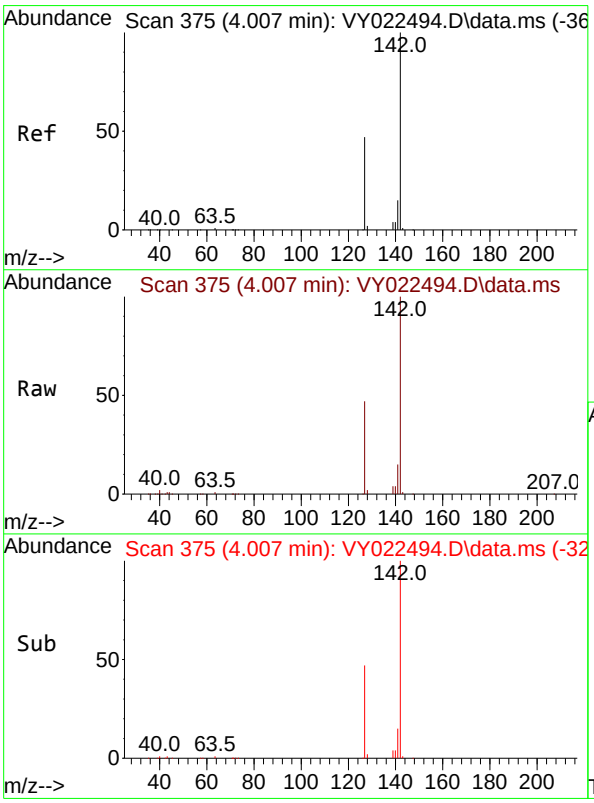
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.009 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 112910

Ion	Ratio	Lower	Upper
101	100		
85	49.1	39.3	58.9
151	72.3	57.8	86.8

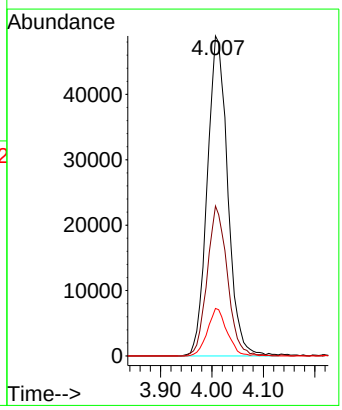


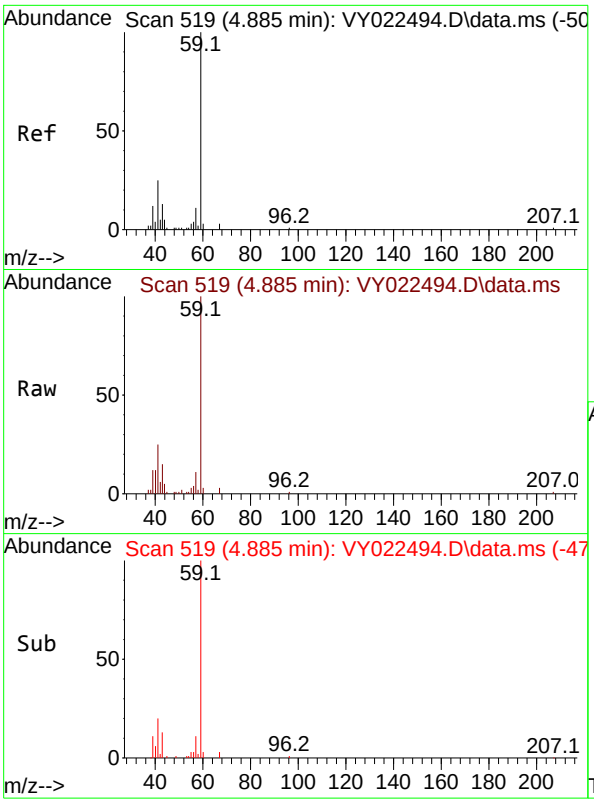


#10
Methyl Iodide
Concen: 55.855 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:142 Resp: 135237

Ion	Ratio	Lower	Upper
142	100		
127	46.4	37.1	55.7
141	14.3	11.4	17.2



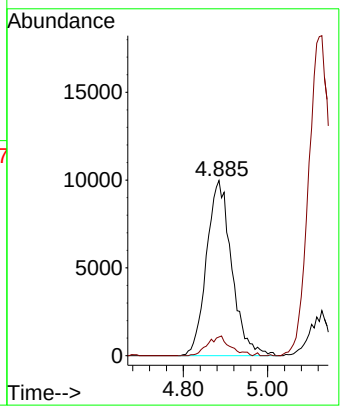


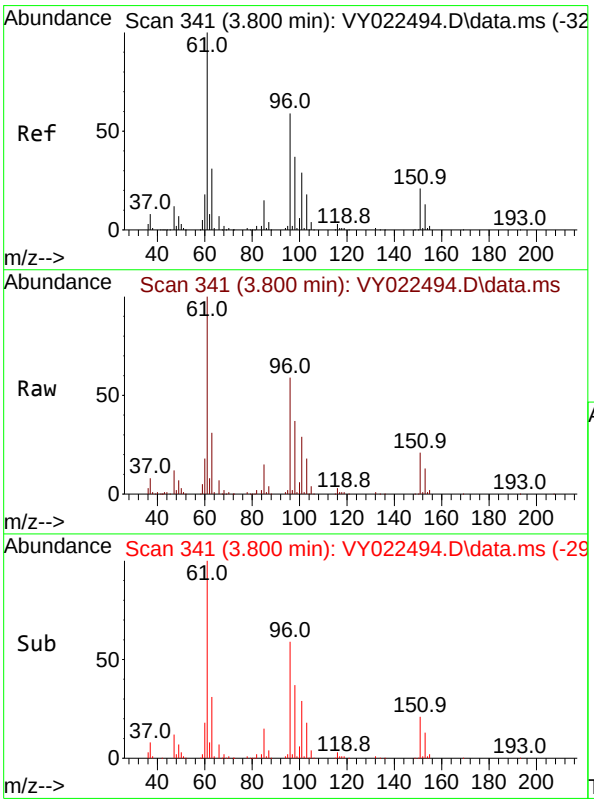
#11
Tert butyl alcohol
Concen: 253.096 ug/l
RT: 4.885 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 41304

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.0	12.0

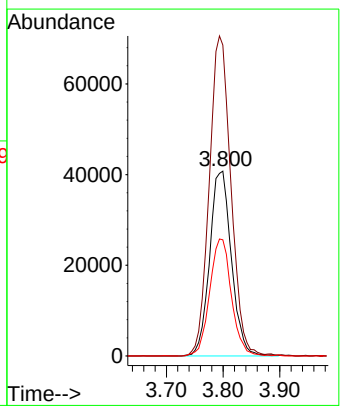


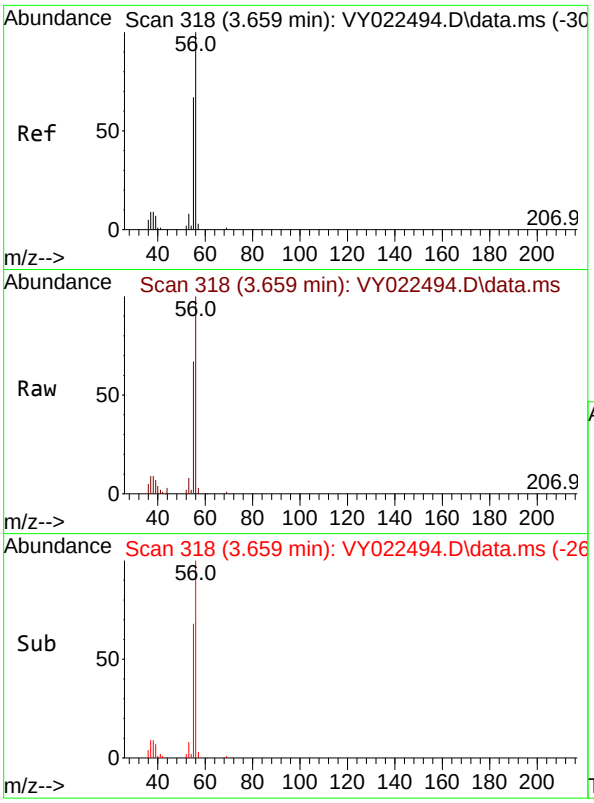


#12
1,1-Dichloroethene
Concen: 50.463 ug/l
RT: 3.800 min Scan# 341
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 96 Resp: 108756

Ion	Ratio	Lower	Upper
96	100		
61	168.2	134.6	201.8
98	62.8	50.2	75.4



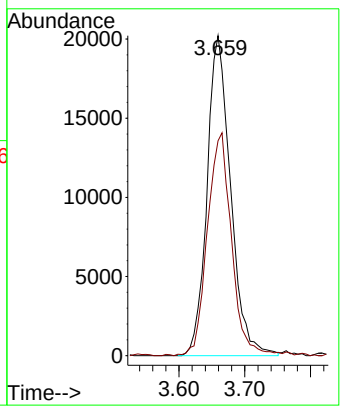


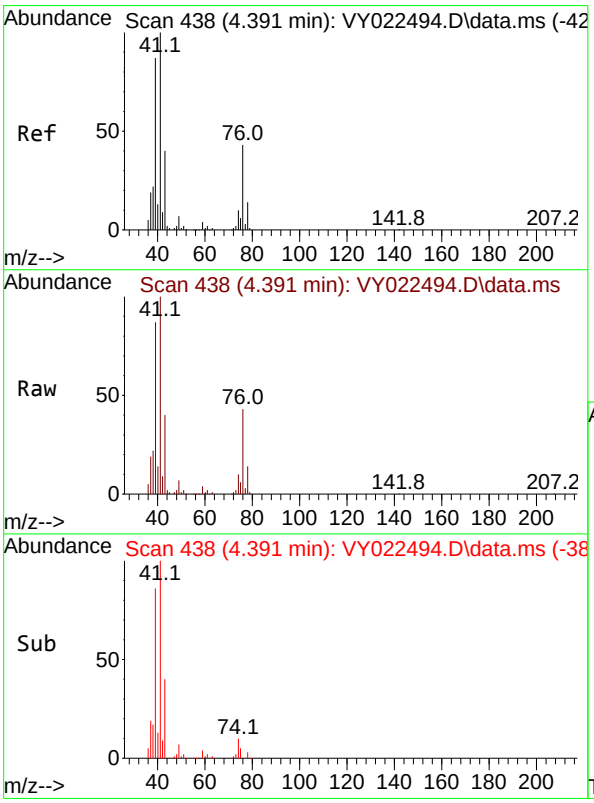
#13
Acrolein
Concen: 252.946 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 50388

Ion	Ratio	Lower	Upper
56	100		
55	71.3	57.0	85.6

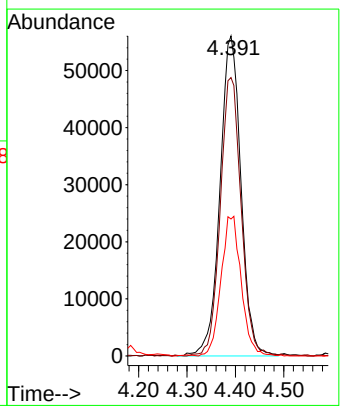


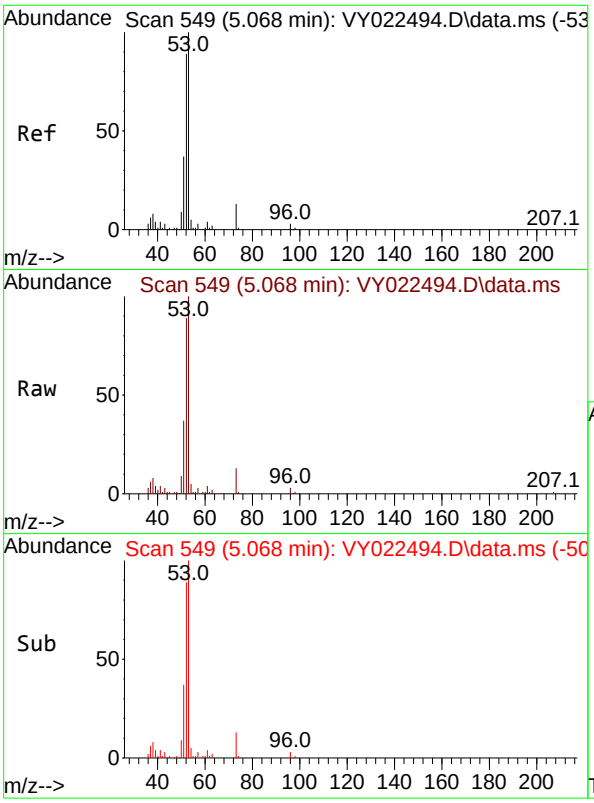


#14
Allyl chloride
Concen: 50.399 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 41 Resp: 169258

Ion	Ratio	Lower	Upper
41	100		
39	86.4	69.1	103.7
76	41.9	33.5	50.3



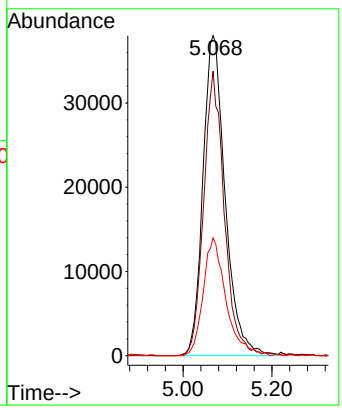


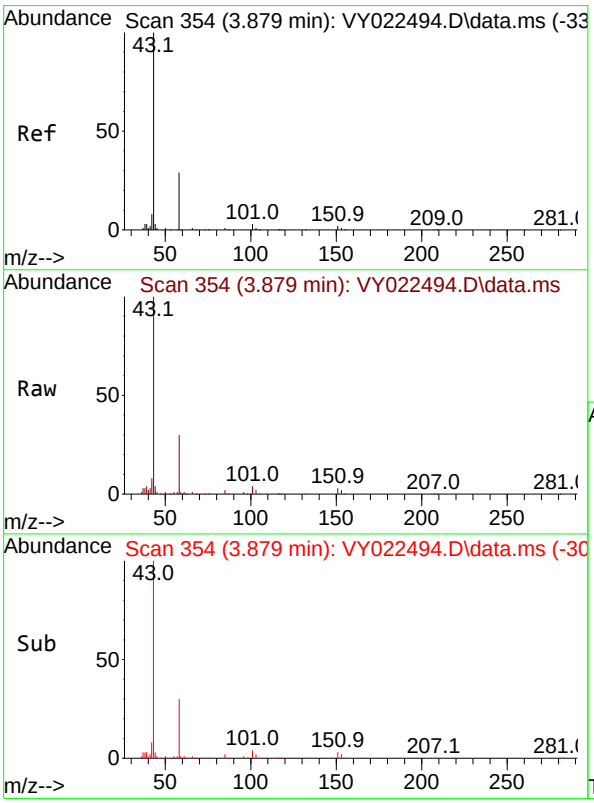
#15
Acrylonitrile
Concen: 261.075 ug/l
RT: 5.068 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 132018

Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	37.6	30.1	45.1

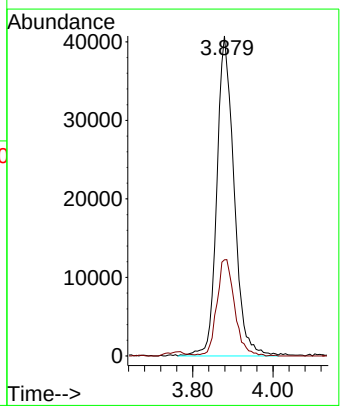


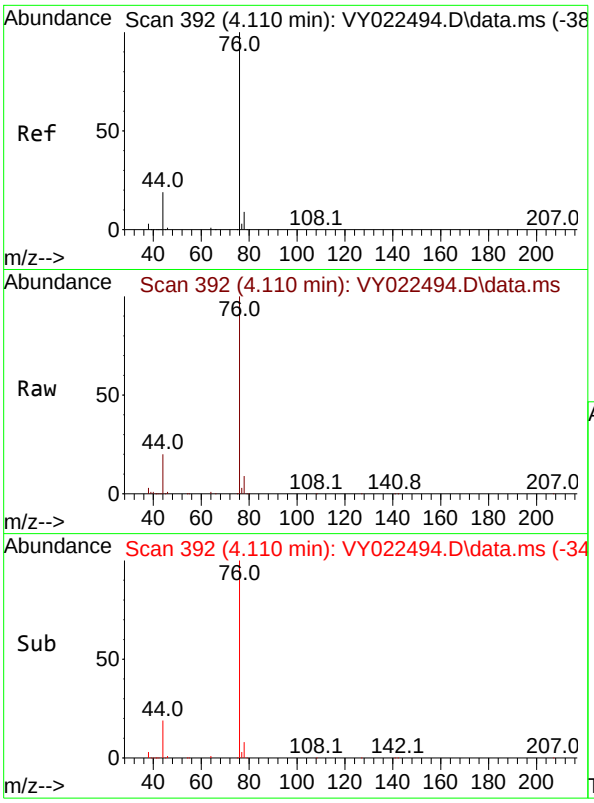


#16
Acetone
Concen: 269.036 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 121507

Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.0	36.0



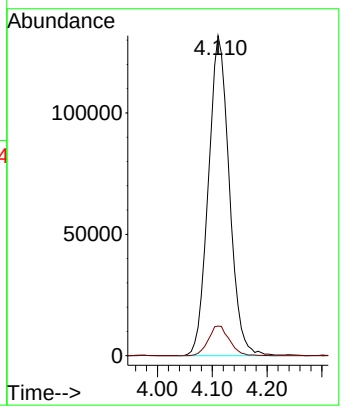


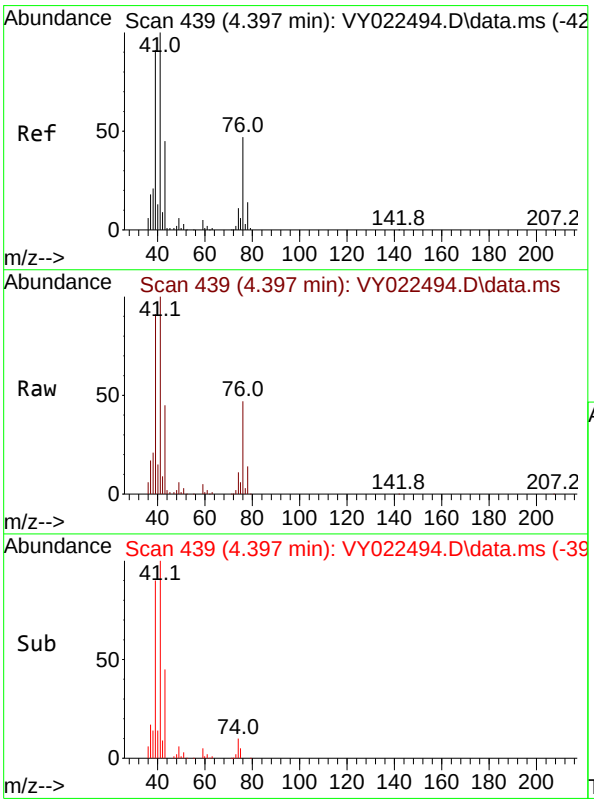
#17
Carbon Disulfide
Concen: 50.769 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 349342

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

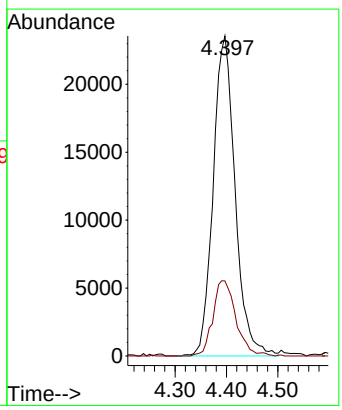


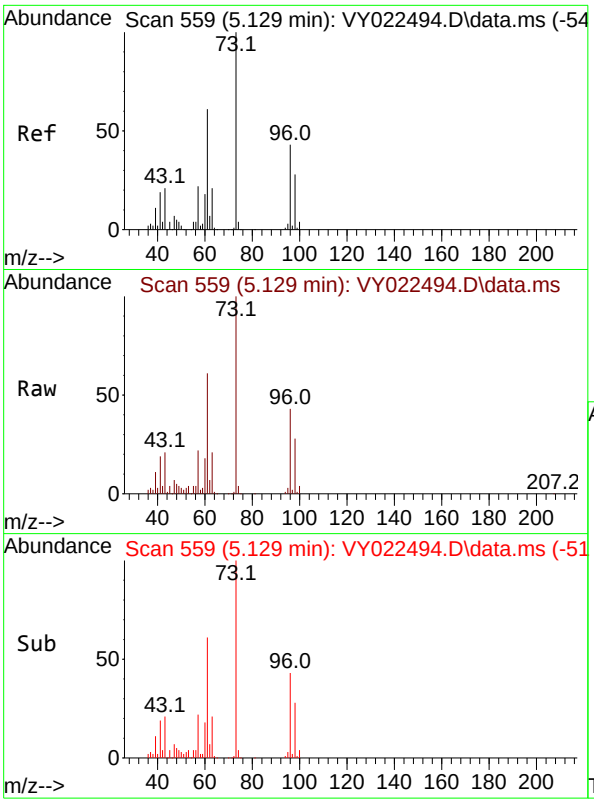


#18
Methyl Acetate
Concen: 51.384 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 69815

Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.8	29.6



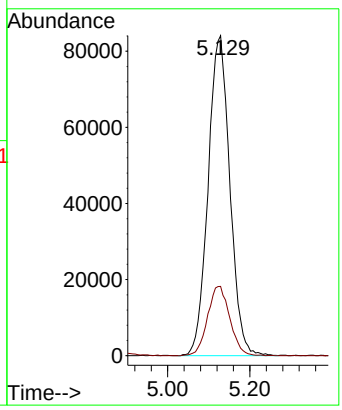


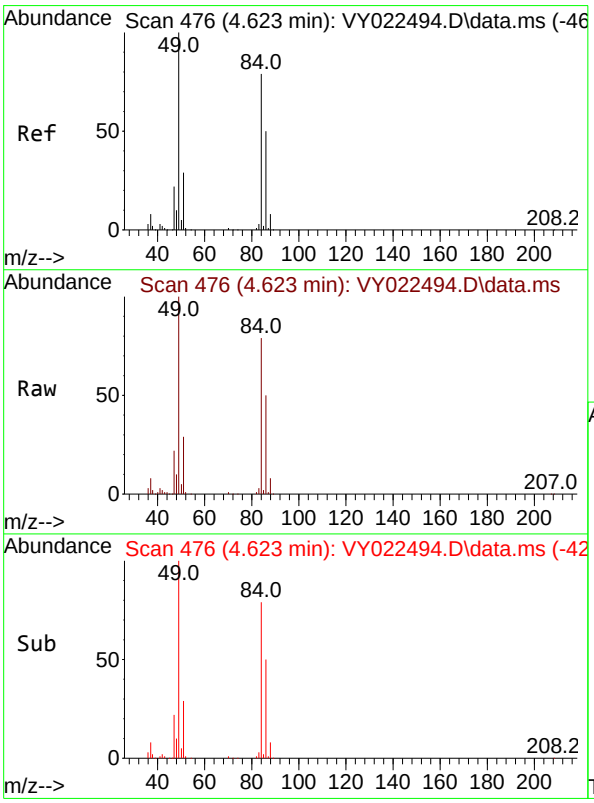
#19
Methyl tert-butyl Ether
Concen: 51.316 ug/l
RT: 5.129 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 308578

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.0

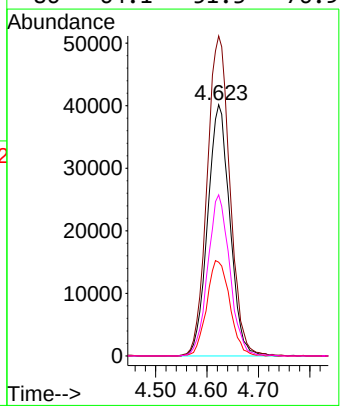


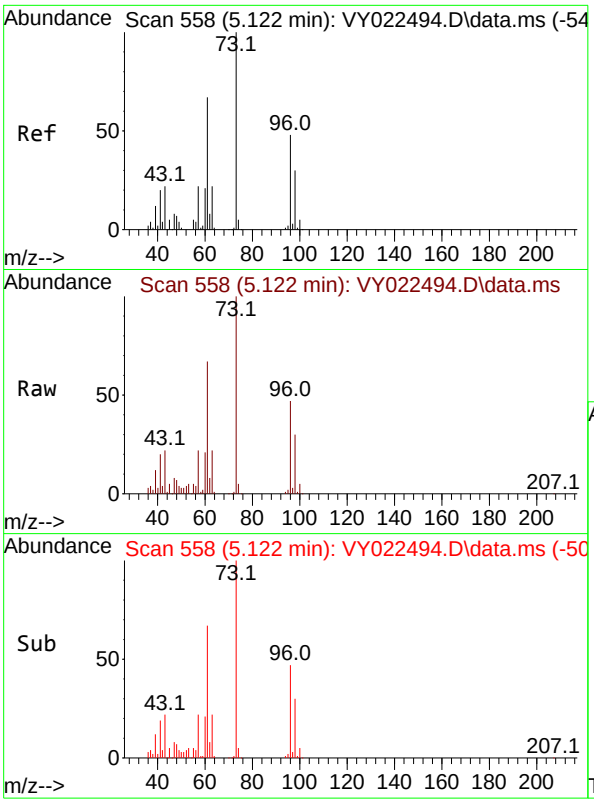


#20
Methylene Chloride
Concen: 47.810 ug/l
RT: 4.623 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 84 Resp: 120562

Ion	Ratio	Lower	Upper
84	100		
49	127.4	101.9	152.9
51	37.3	29.8	44.8
86	64.1	51.3	76.9



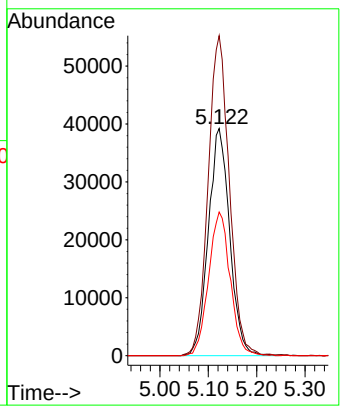


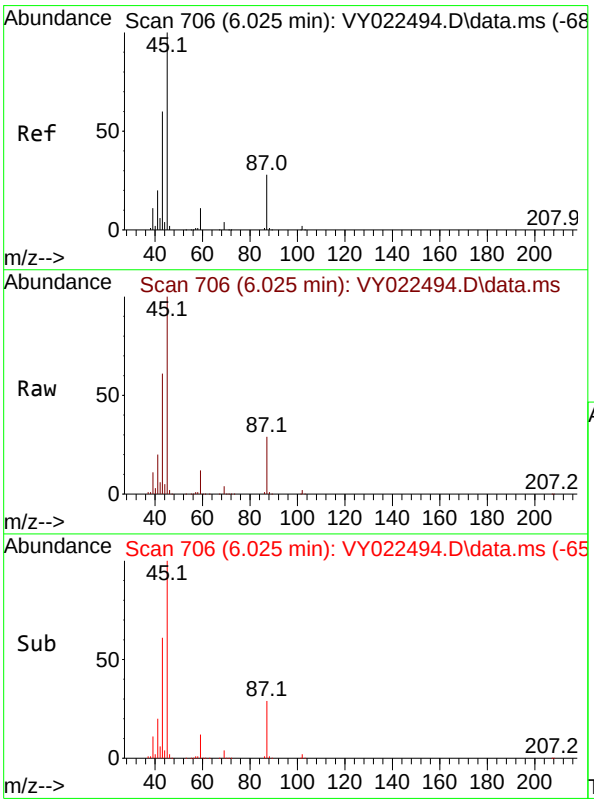
#21
trans-1,2-Dichloroethene
Concen: 49.807 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 119917

Ion	Ratio	Lower	Upper
96	100		
61	140.8	112.6	169.0
98	63.2	50.6	75.8

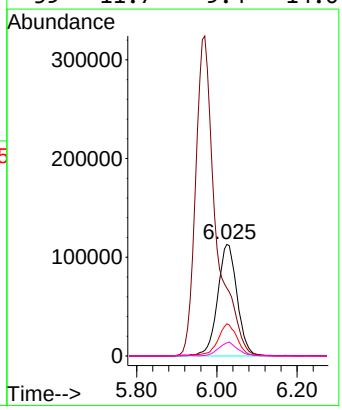


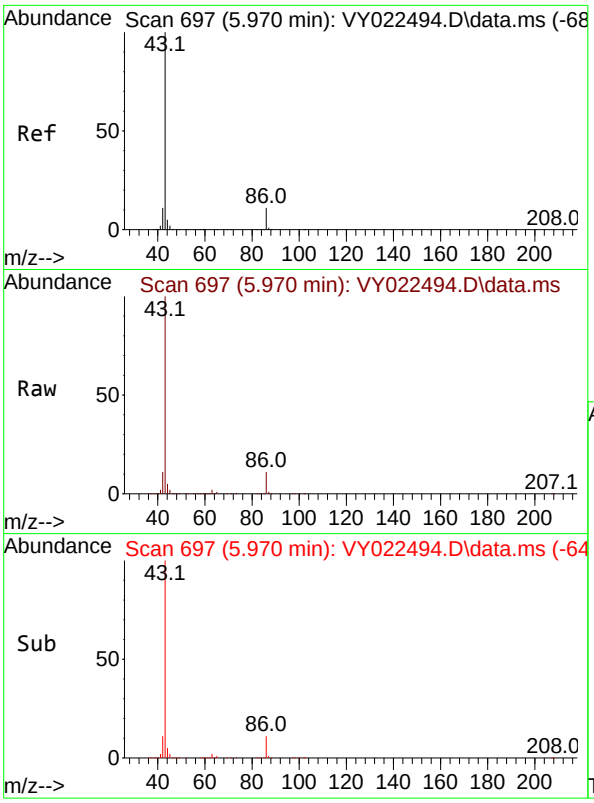


#22
Diisopropyl ether
Concen: 51.120 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 45 Resp: 381760

Ion	Ratio	Lower	Upper
45	100		
43	60.4	48.3	72.5
87	28.8	23.0	34.6
59	11.7	9.4	14.0



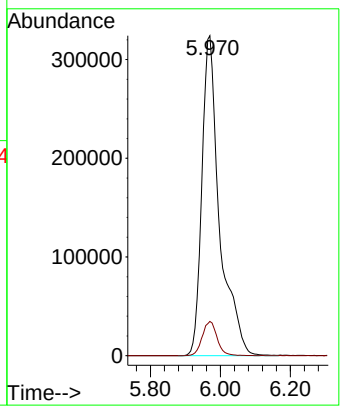


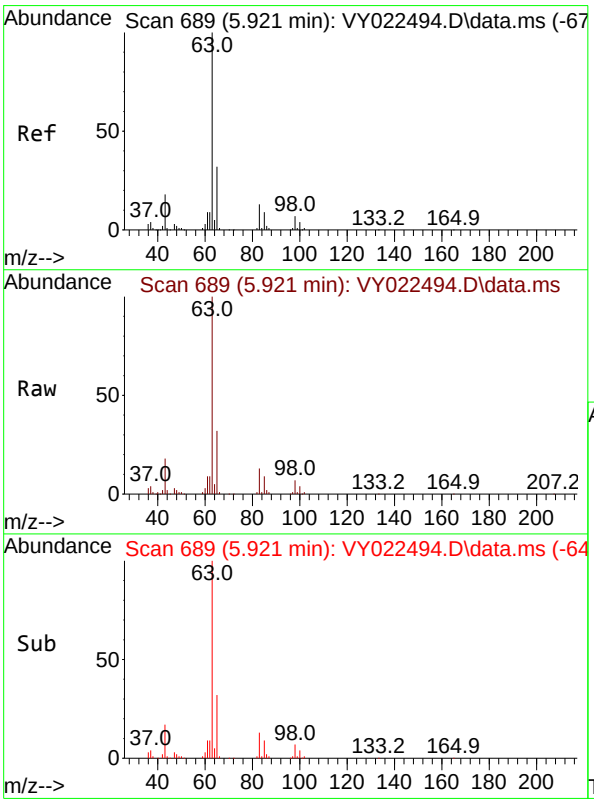
#23
Vinyl Acetate
Concen: 256.734 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1137415

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8

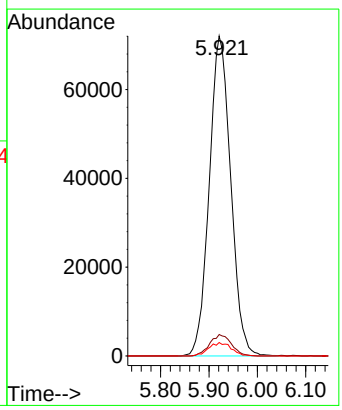


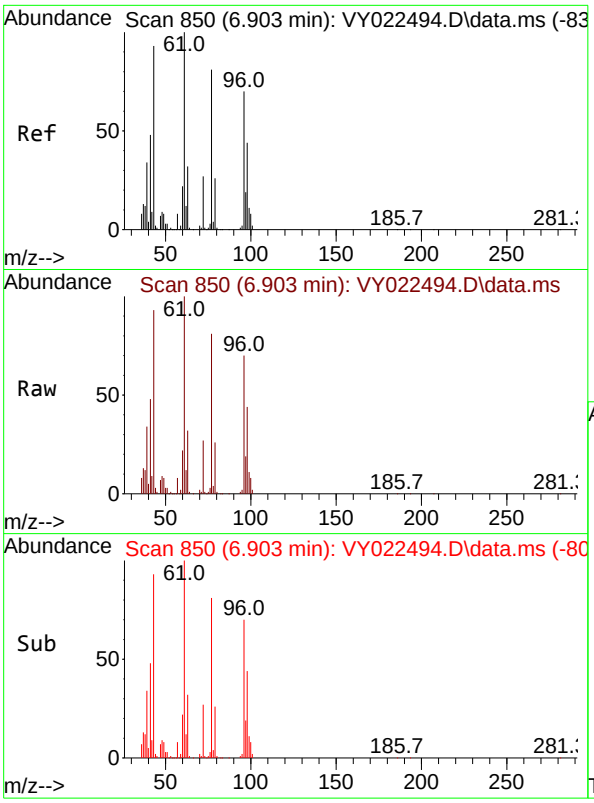


#24
1,1-Dichloroethane
Concen: 50.410 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 63 Resp: 222533

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.1
100	4.2	2.1	6.3



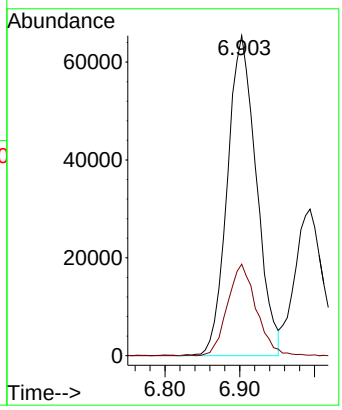


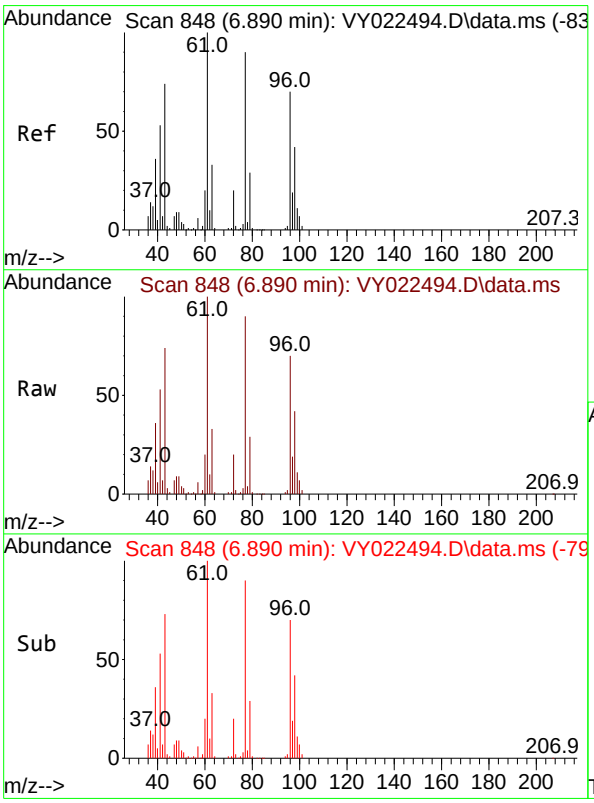
#25
2-Butanone
Concen: 264.461 ug/l
RT: 6.903 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 176185

Ion	Ratio	Lower	Upper
43	100		
72	28.6	22.9	34.3

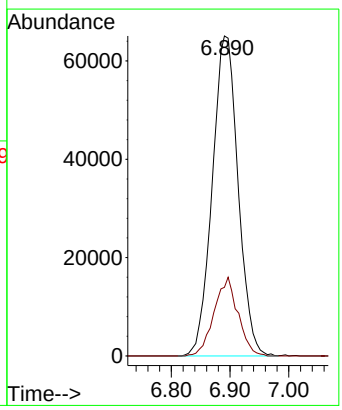


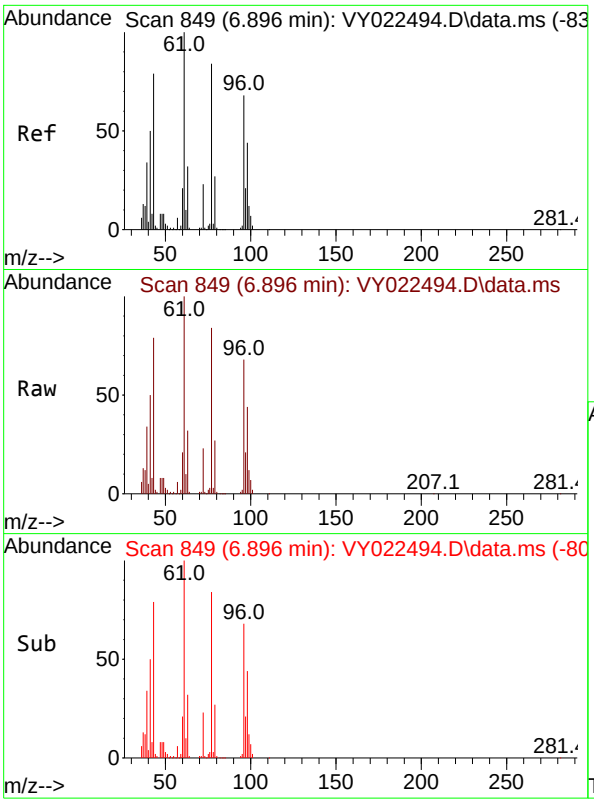


#26
2,2-Dichloropropane
Concen: 50.650 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 77 Resp: 198763

Ion	Ratio	Lower	Upper
77	100		
97	22.8	11.4	34.2



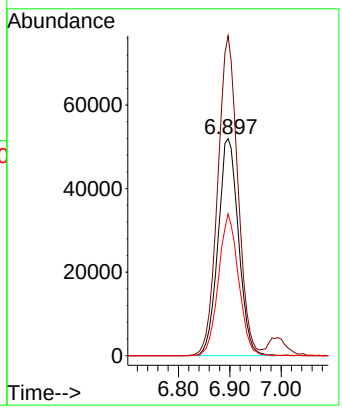


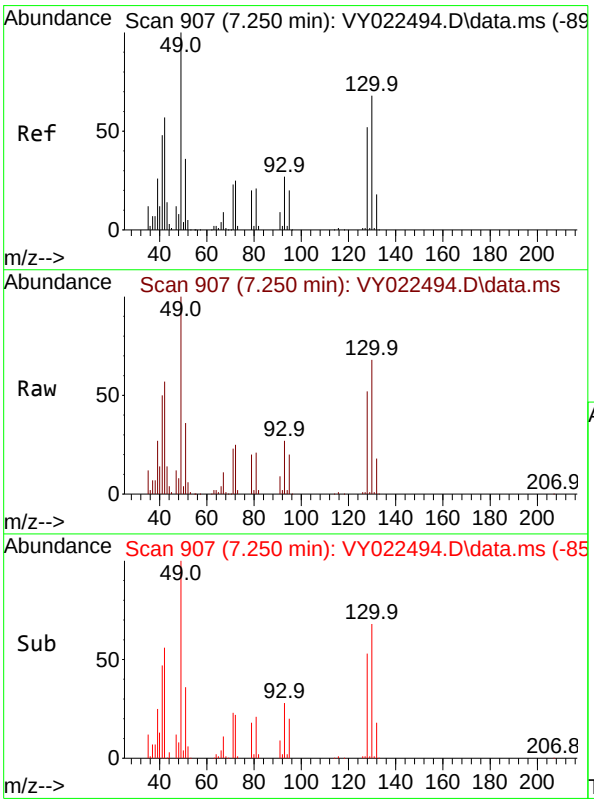
#27
cis-1,2-Dichloroethene
Concen: 51.463 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 143210

Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	290.0
98	64.2	0.0	128.4

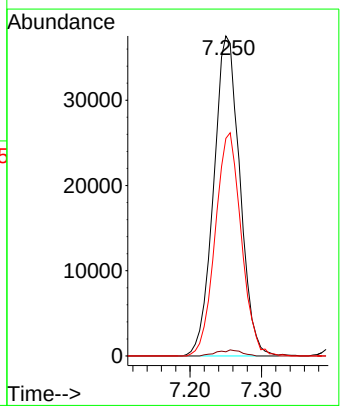


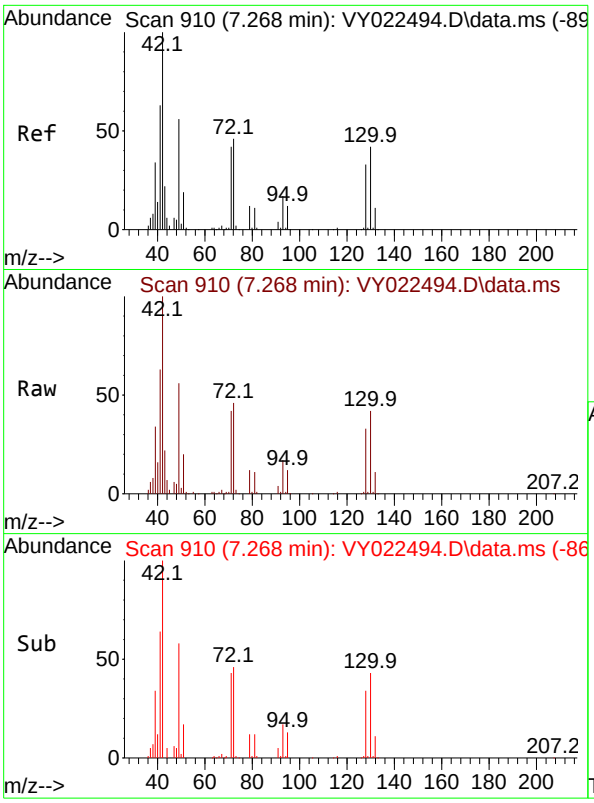


#28
Bromochloromethane
Concen: 50.015 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 49 Resp: 95397

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	69.6	55.7	83.5



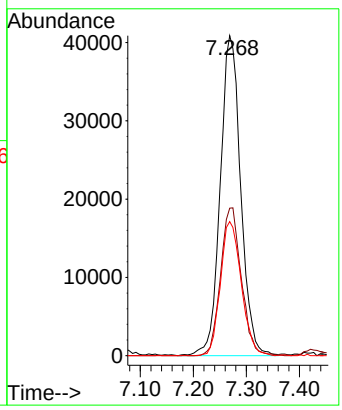


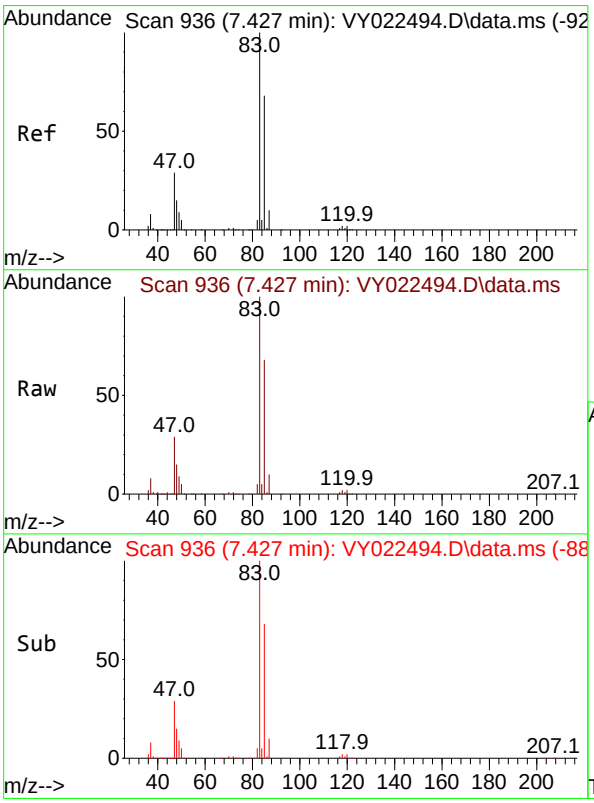
#29
Tetrahydrofuran
Concen: 255.247 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 109698

Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.4	56.2
71	42.7	34.2	51.2

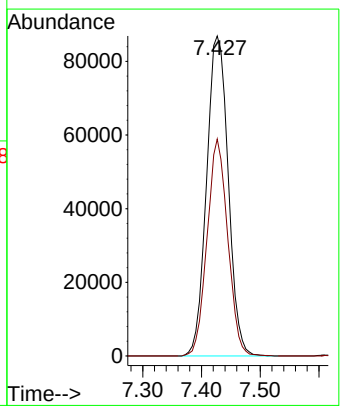


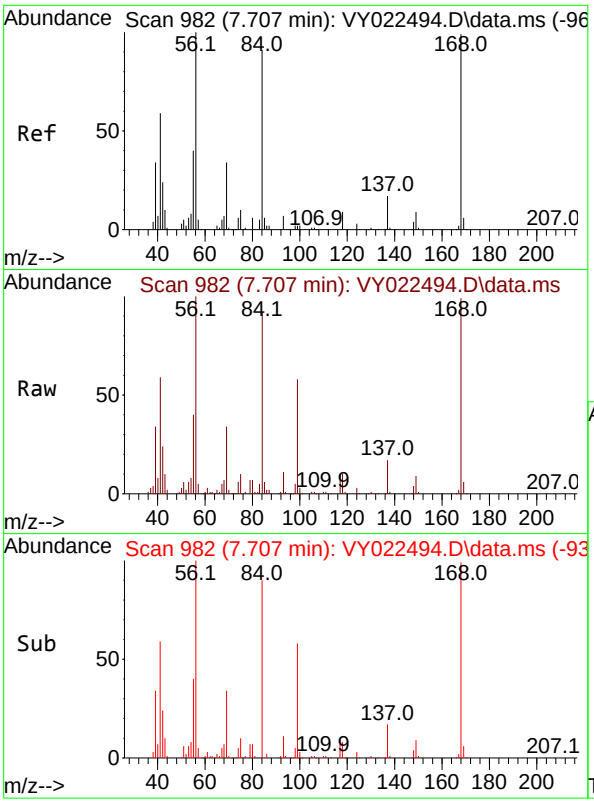


#30
Chloroform
Concen: 50.944 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 83 Resp: 222226

Ion	Ratio	Lower	Upper
83	100		
85	67.8	54.2	81.4



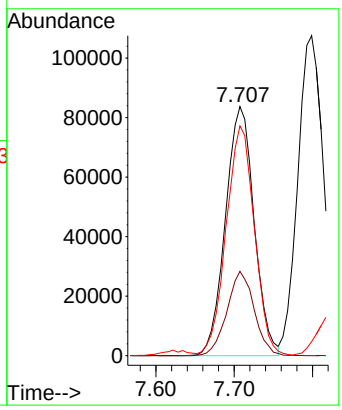


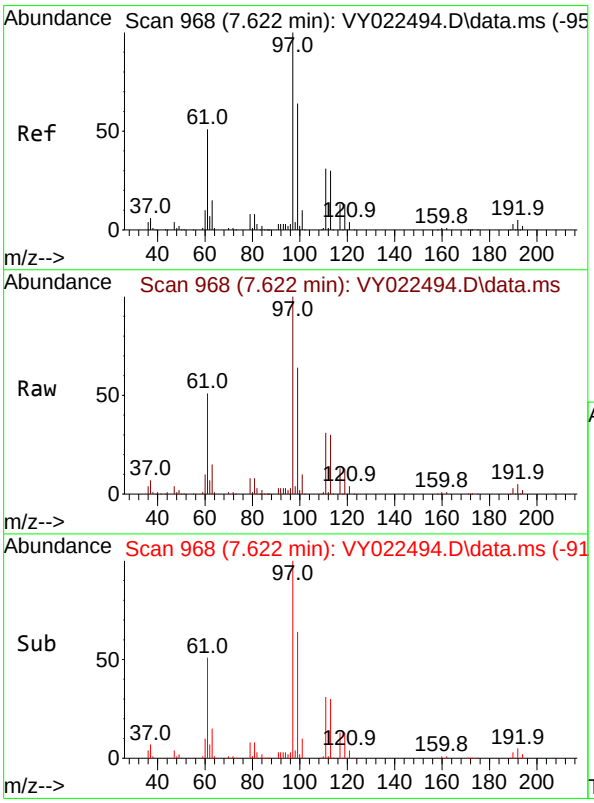
#31
Cyclohexane
Concen: 47.951 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 213031

Ion	Ratio	Lower	Upper
56	100		
69	33.8	27.0	40.6
84	90.8	72.6	109.0

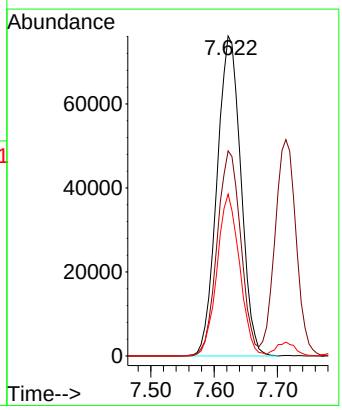


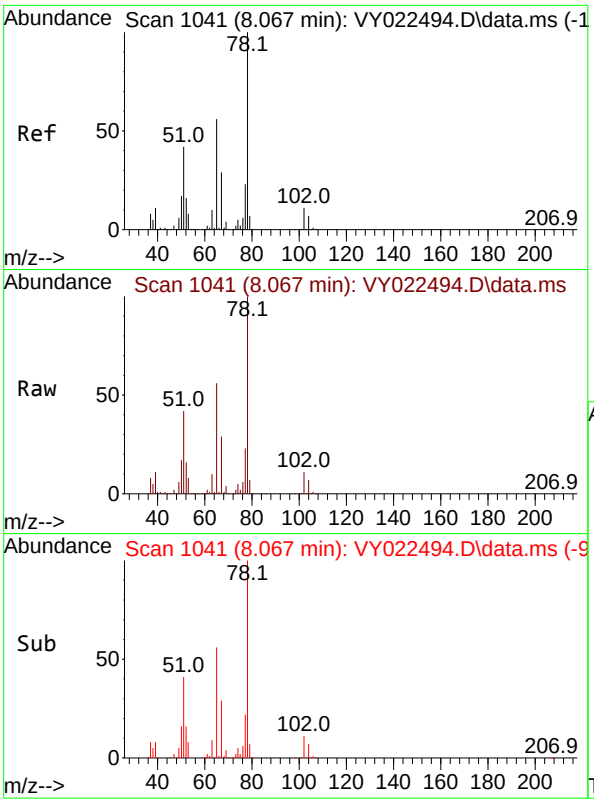


#32
1,1,1-Trichloroethane
Concen: 51.074 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 97 Resp: 199103

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.9	76.3
61	48.1	38.5	57.7



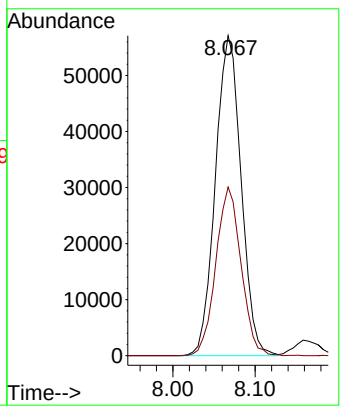


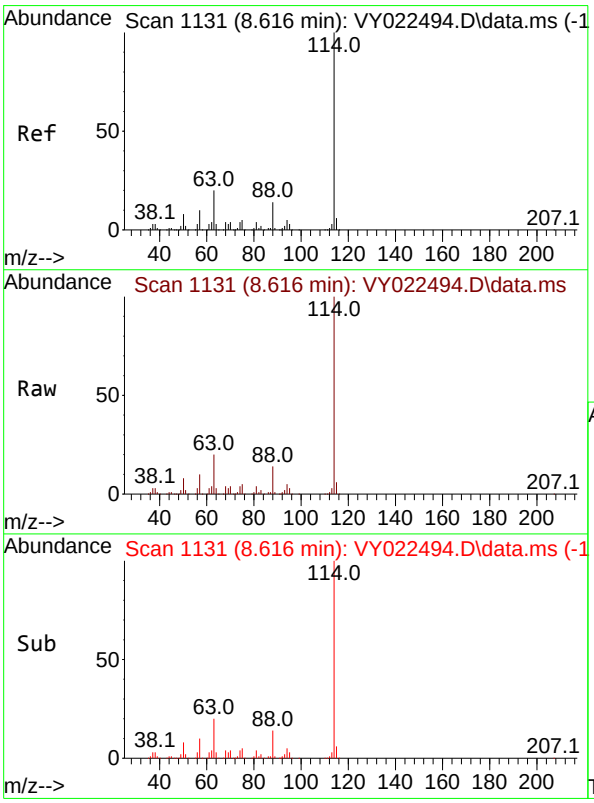
#33
1,2-Dichloroethane-d4
Concen: 54.320 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 124098

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.4

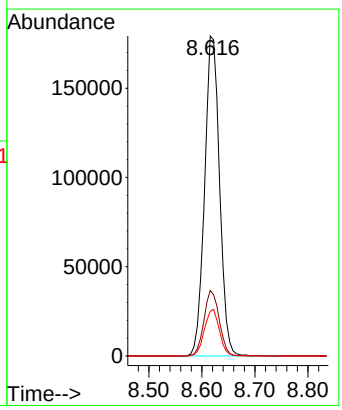


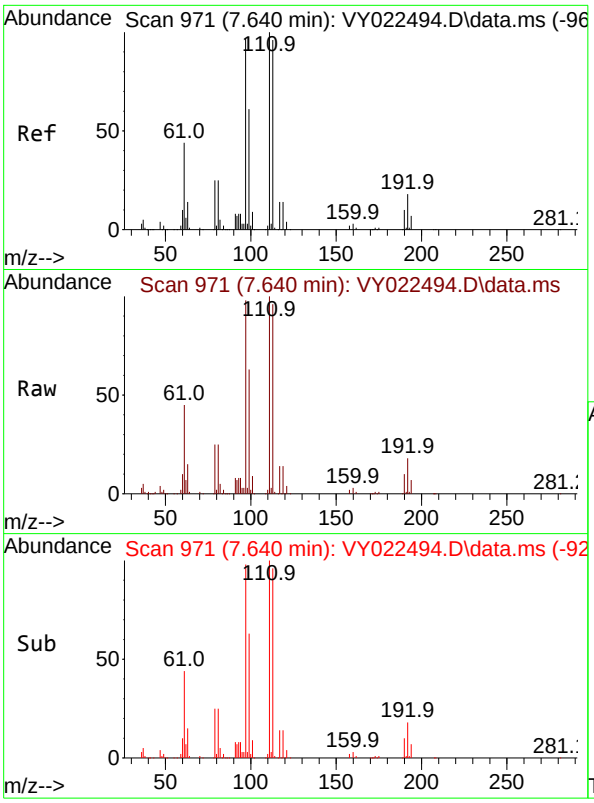


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:114 Resp: 350947

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	13.9	0.0	27.8



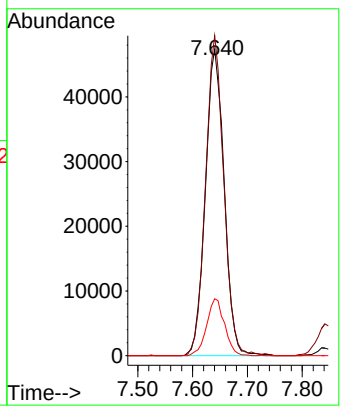


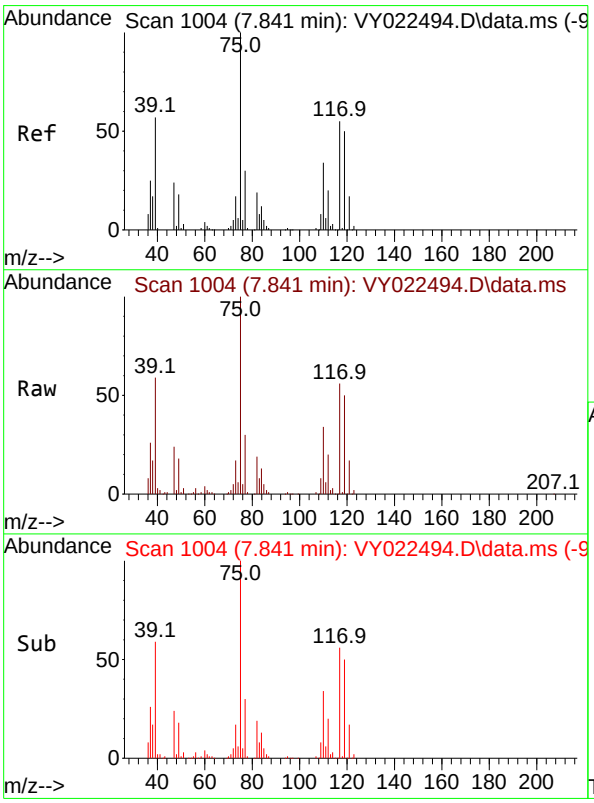
#35
Dibromofluoromethane
Concen: 54.514 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 112624

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.1	121.7
192	17.7	14.2	21.2

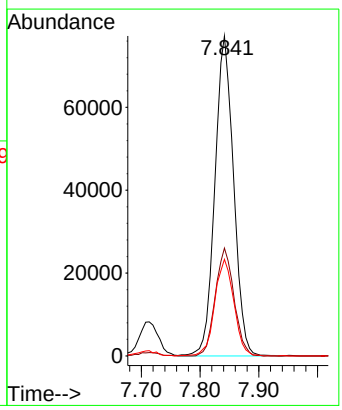


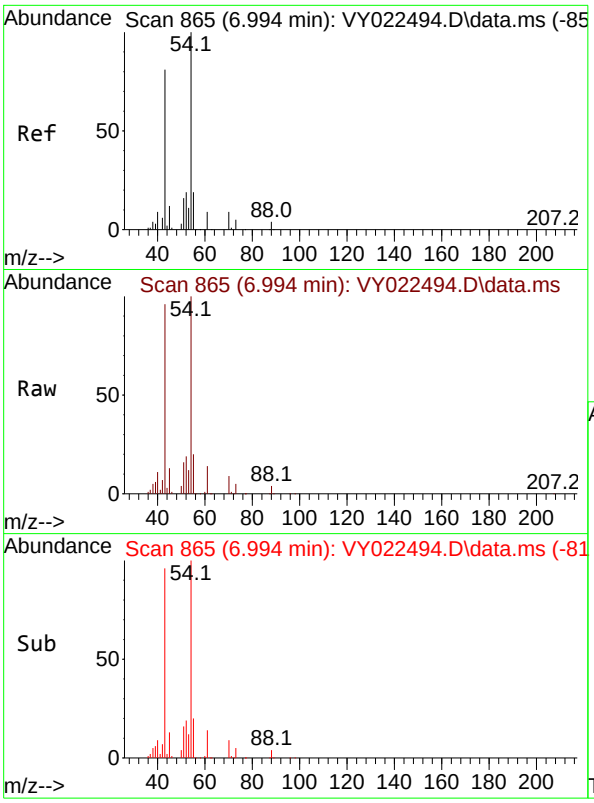


#36
1,1-Dichloropropene
Concen: 51.116 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 170708

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.7
77	31.0	24.8	37.2



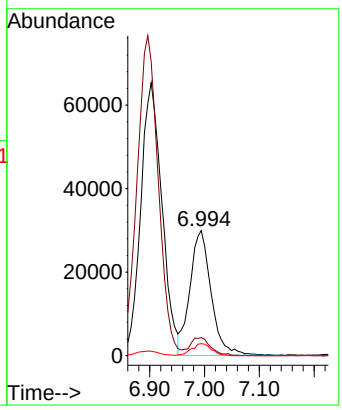


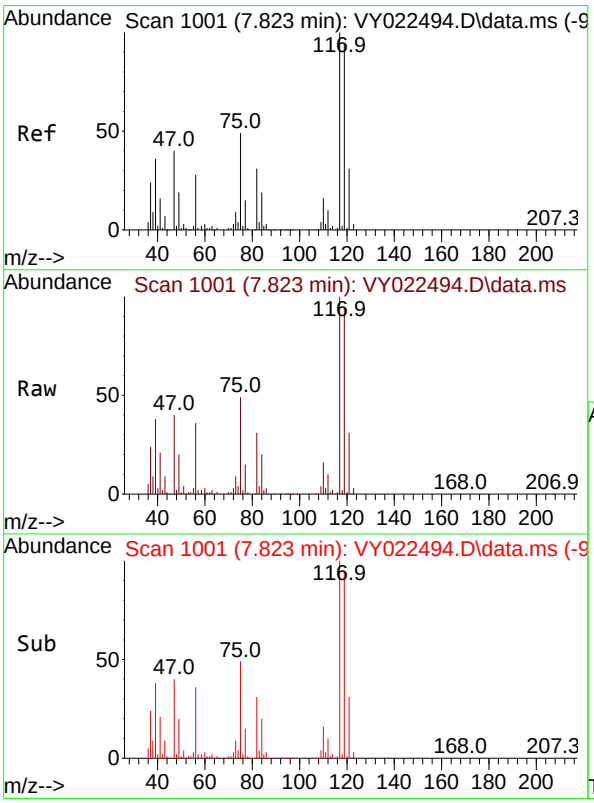
#37
Ethyl Acetate
Concen: 54.721 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 80426

Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	9.0	7.2	10.8

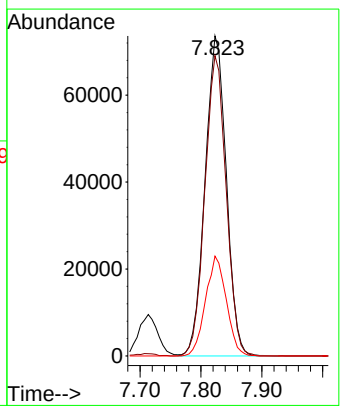


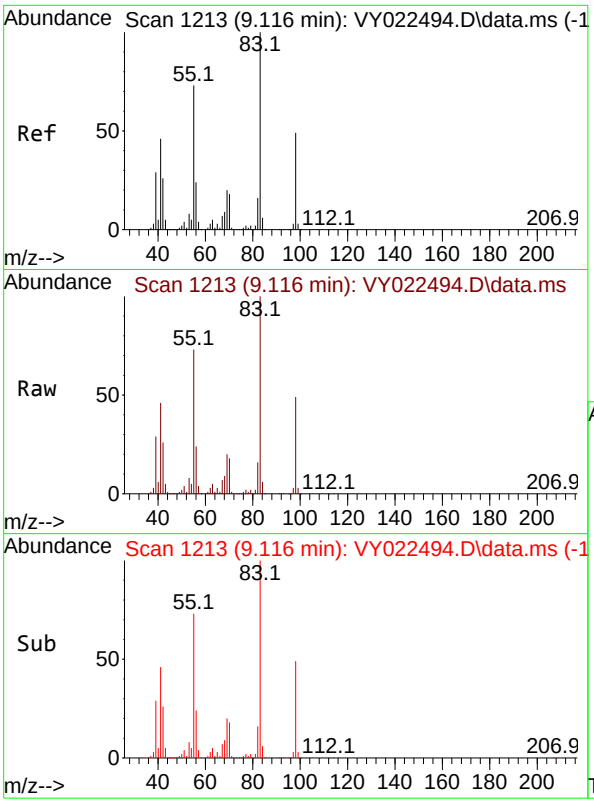


#38
Carbon Tetrachloride
Concen: 51.787 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:117 Resp: 178292

Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.0	112.6
121	31.2	25.0	37.4



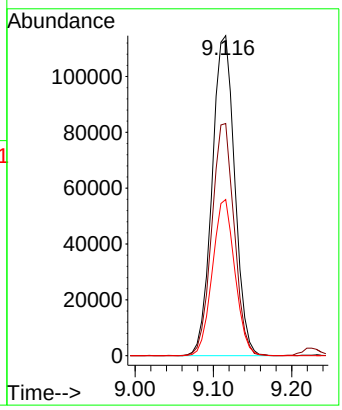


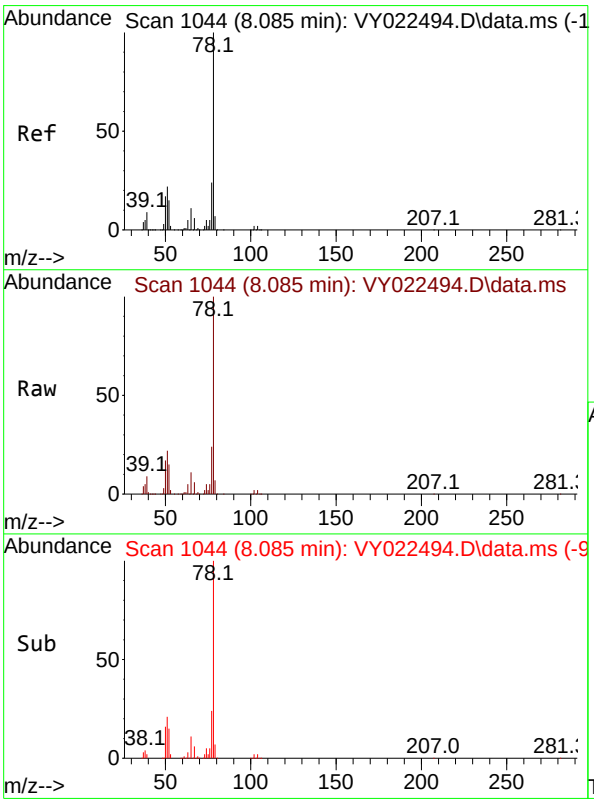
#39
Methylcyclohexane
Concen: 51.100 ug/l
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 230536

Ion	Ratio	Lower	Upper
83	100		
55	72.6	58.1	87.1
98	48.8	39.0	58.6

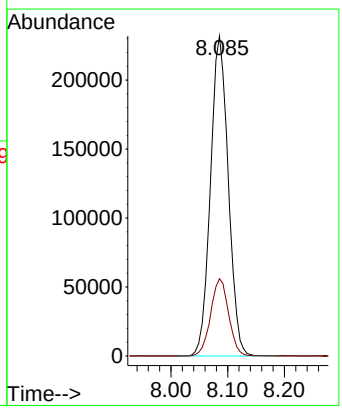


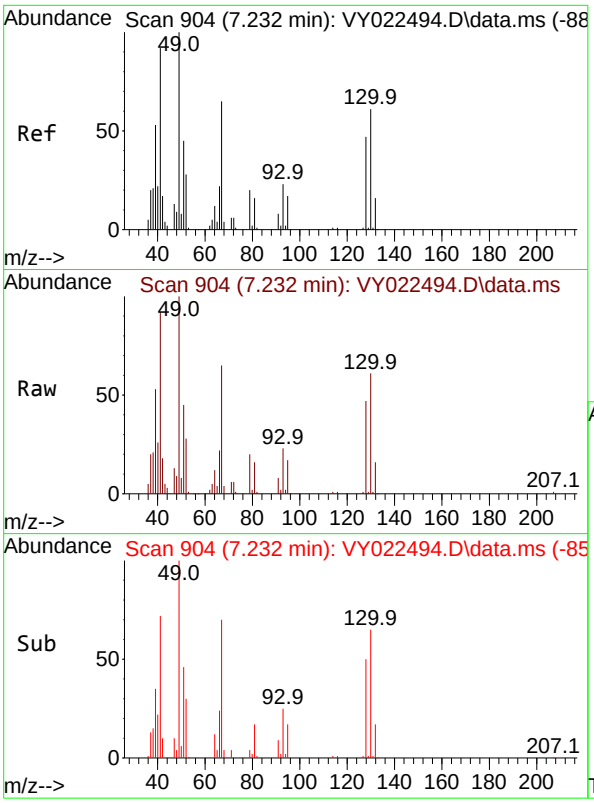


#40
Benzene
Concen: 51.376 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 78 Resp: 505749

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9



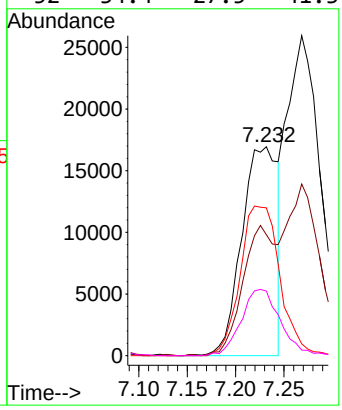


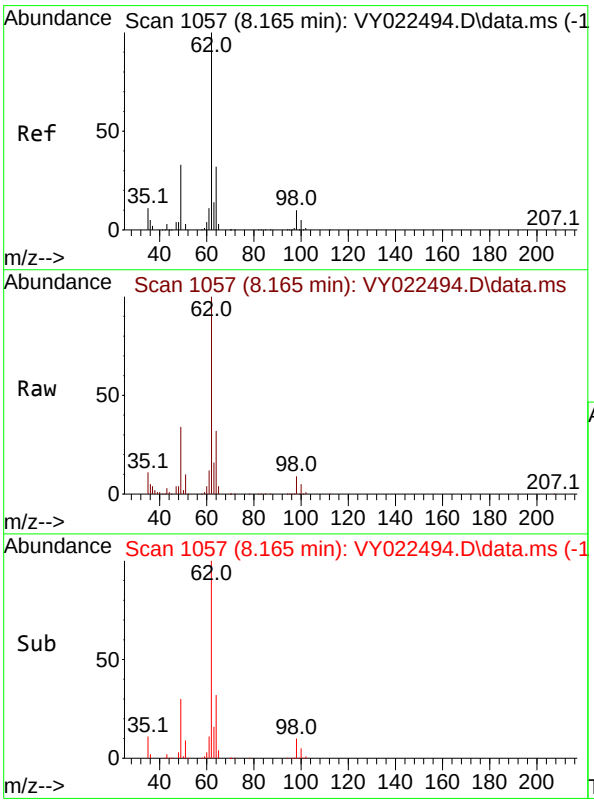
#41
Methacrylonitrile
Concen: 46.342 ug/l
RT: 7.232 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 43865

Ion	Ratio	Lower	Upper
41	100		
39	58.2	46.6	69.8
67	79.1	63.3	94.9
52	34.4	27.5	41.3

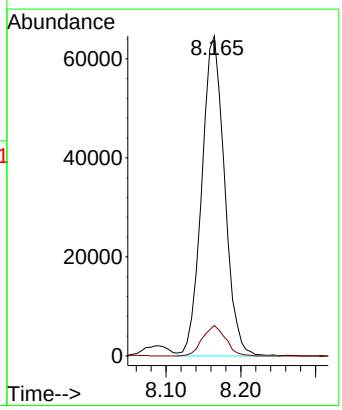


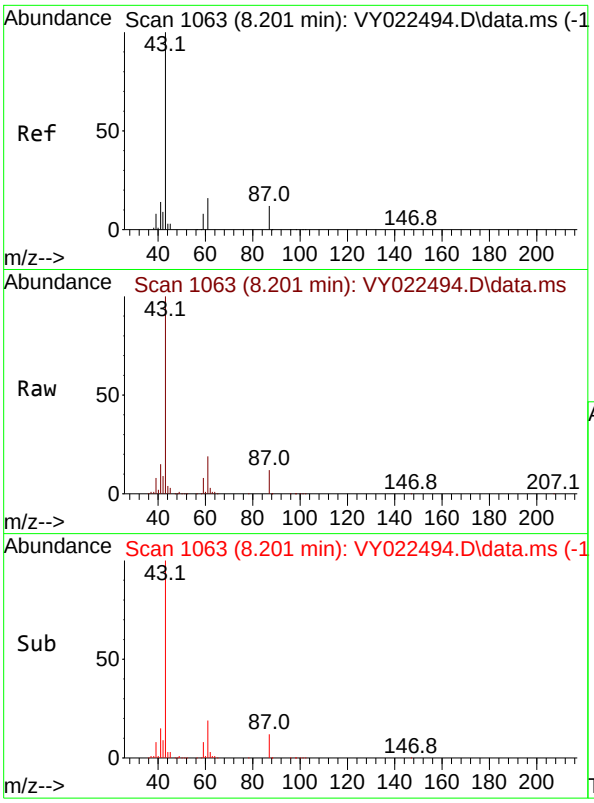


#42
1,2-Dichloroethane
Concen: 51.114 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 62 Resp: 136876

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.2



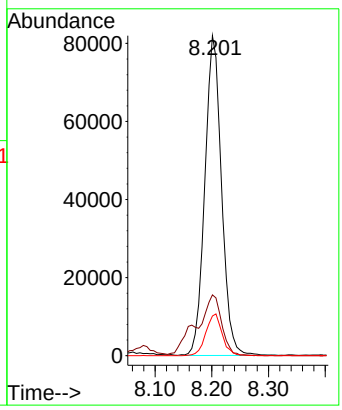


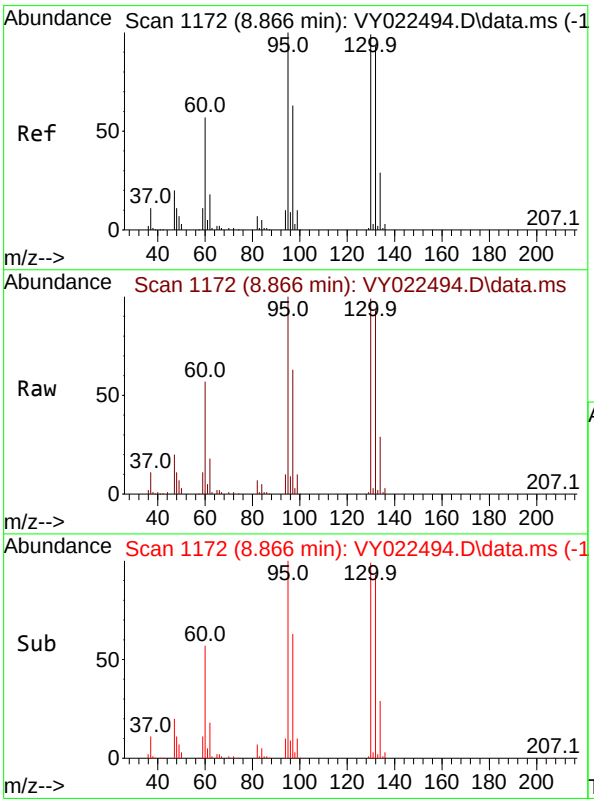
#43
Isopropyl Acetate
Concen: 52.237 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 167771

Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.6	23.4
87	12.8	10.2	15.4

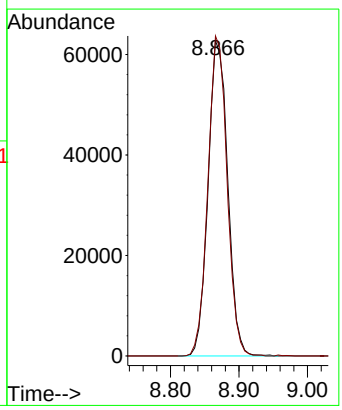


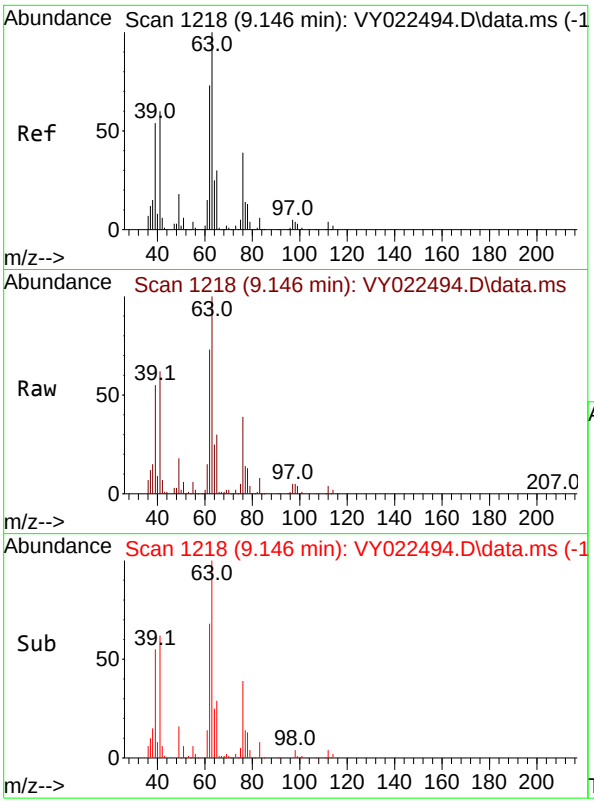


#44
Trichloroethene
Concen: 51.843 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:130 Resp: 124670

Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	203.0



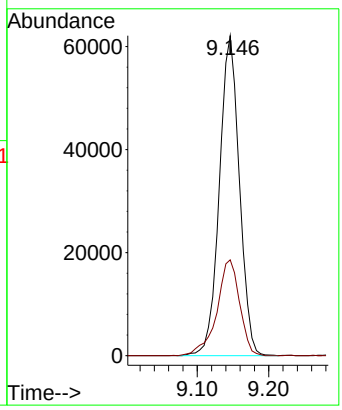


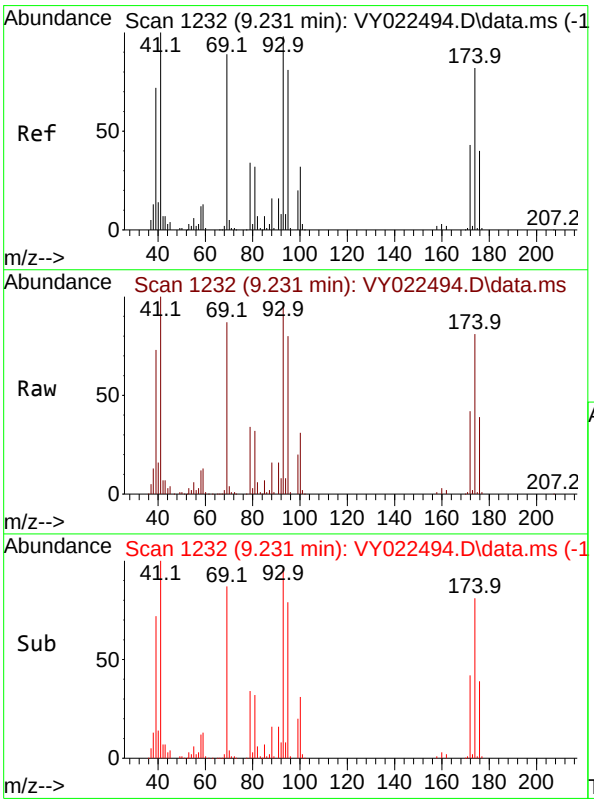
#45
1,2-Dichloropropane
Concen: 51.415 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 120660

Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.0	36.0

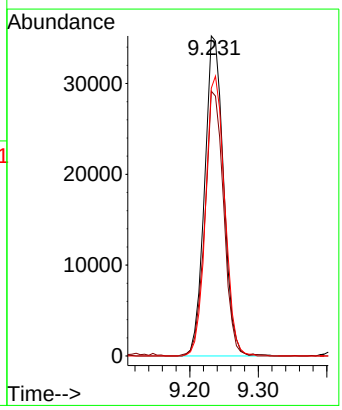


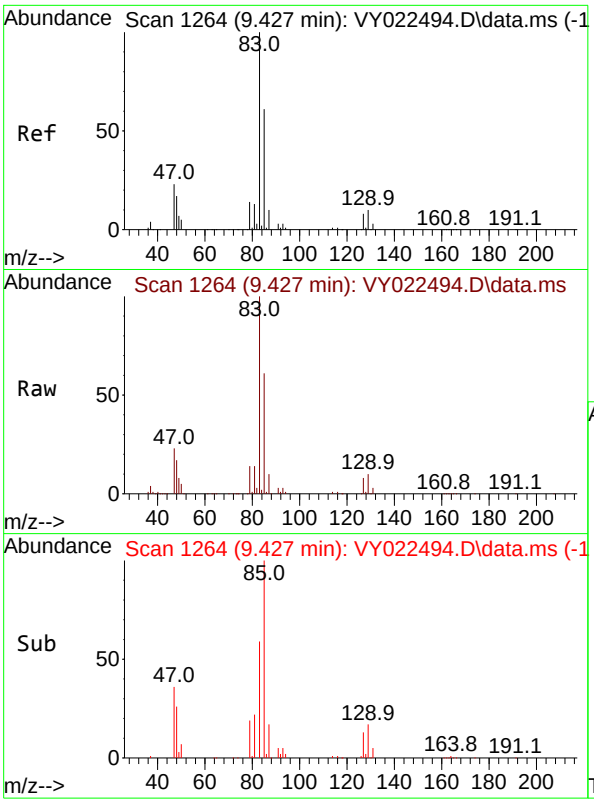


#46
Dibromomethane
Concen: 51.485 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 93 Resp: 67690

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.6	98.4
174	88.0	70.4	105.6



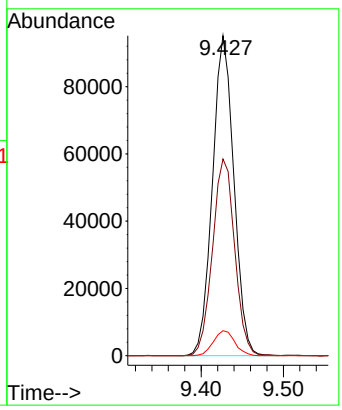


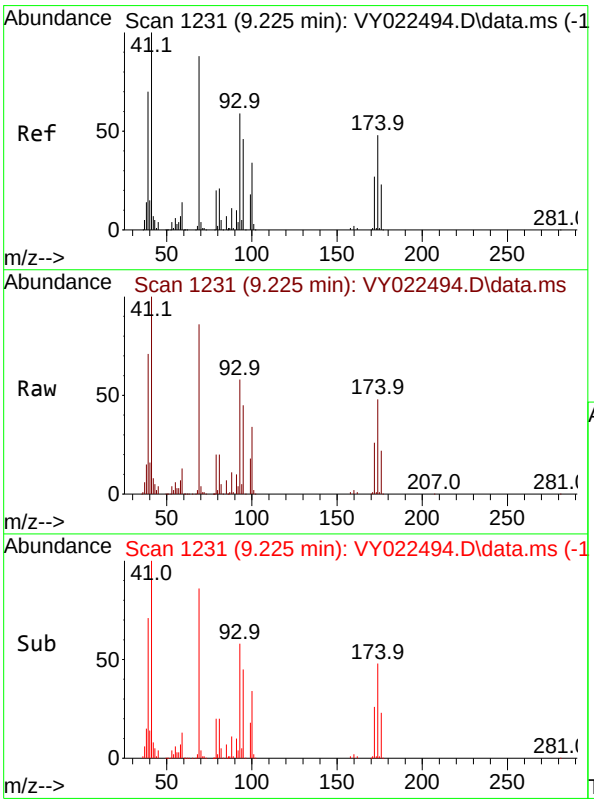
#47
Bromodichloromethane
Concen: 51.664 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 172341

Ion	Ratio	Lower	Upper
83	100		
85	61.4	49.1	73.7
127	7.8	6.2	9.4

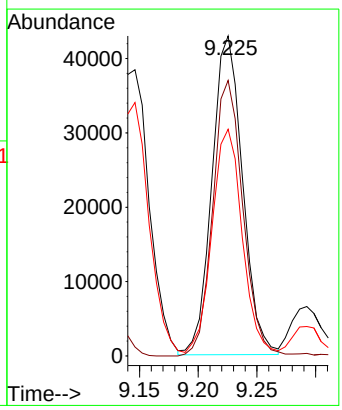


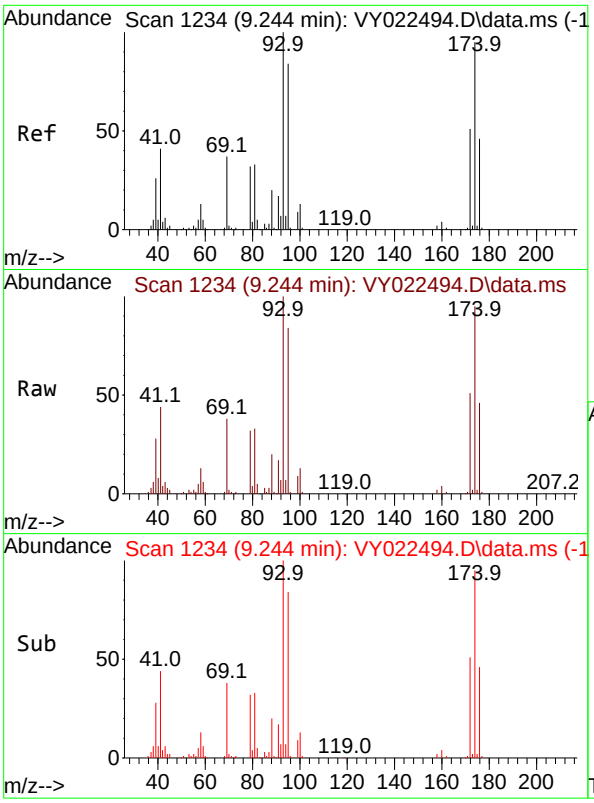


#48
Methyl methacrylate
Concen: 52.963 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 41 Resp: 77885

Ion	Ratio	Lower	Upper
41	100		
69	84.8	67.8	101.8
39	68.7	55.0	82.4



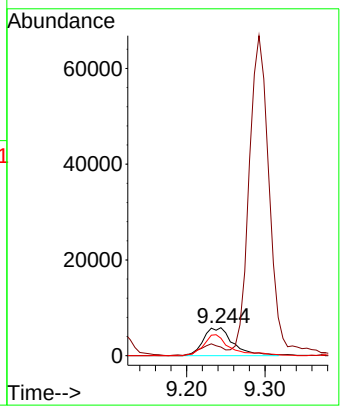


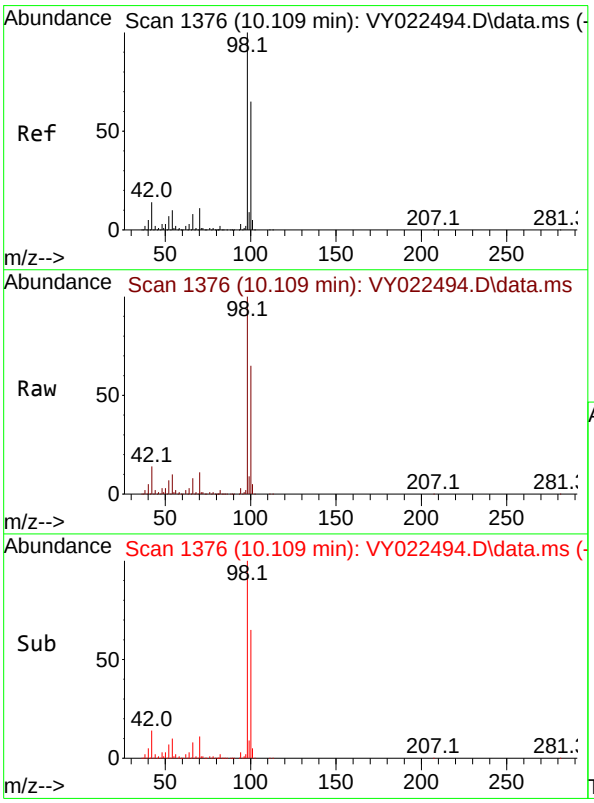
#49
1,4-Dioxane
Concen: 977.637 ug/l
RT: 9.244 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 15334

Ion	Ratio	Lower	Upper
88	100		
43	31.8	25.4	38.2
58	68.6	54.9	82.3

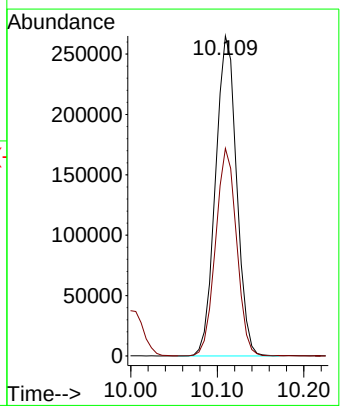


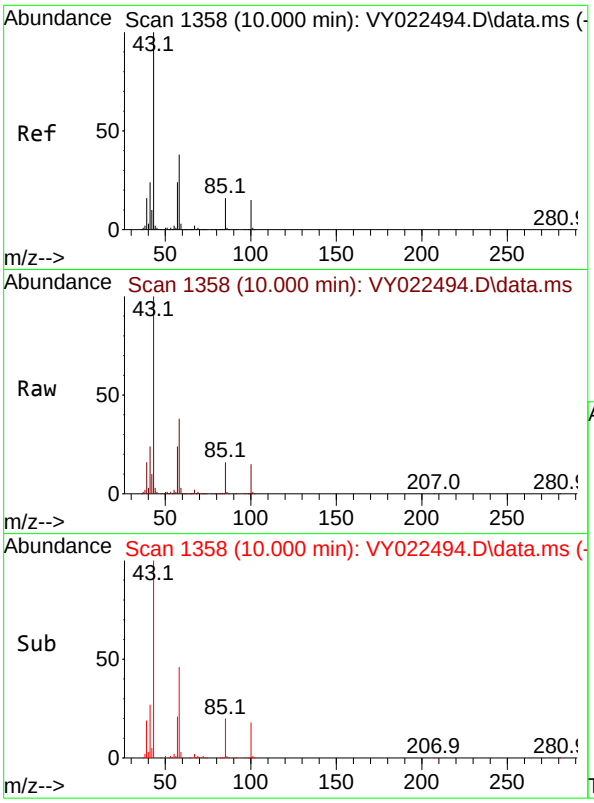


#50
Toluene-d8
Concen: 53.734 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 98 Resp: 448690

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.0



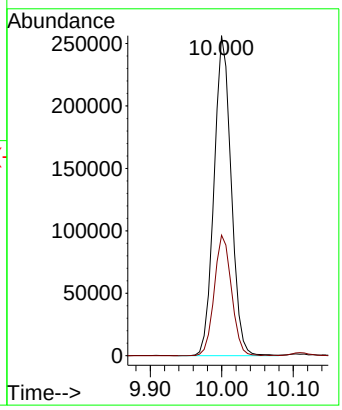


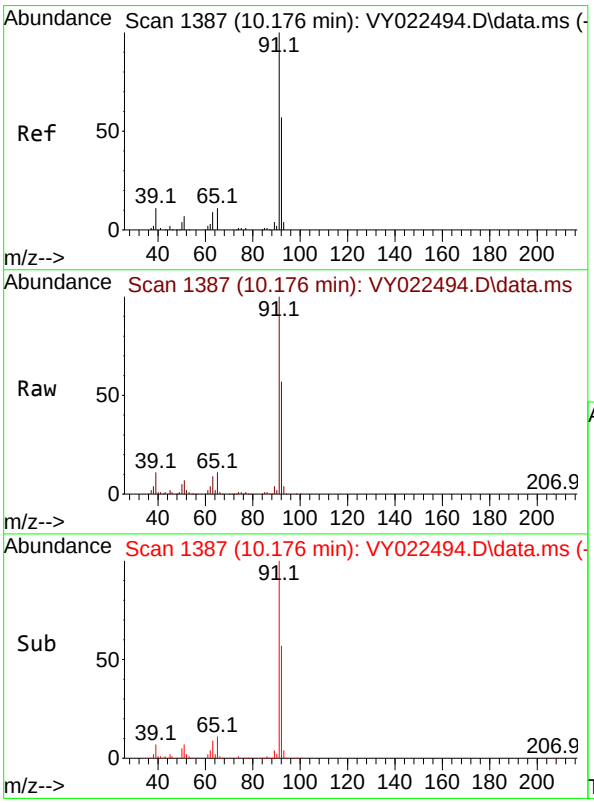
#51
4-Methyl-2-Pentanone
Concen: 267.154 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 425868

Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.4	45.6

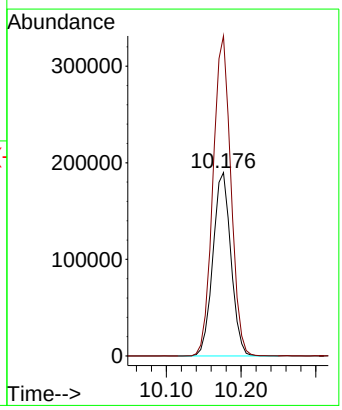


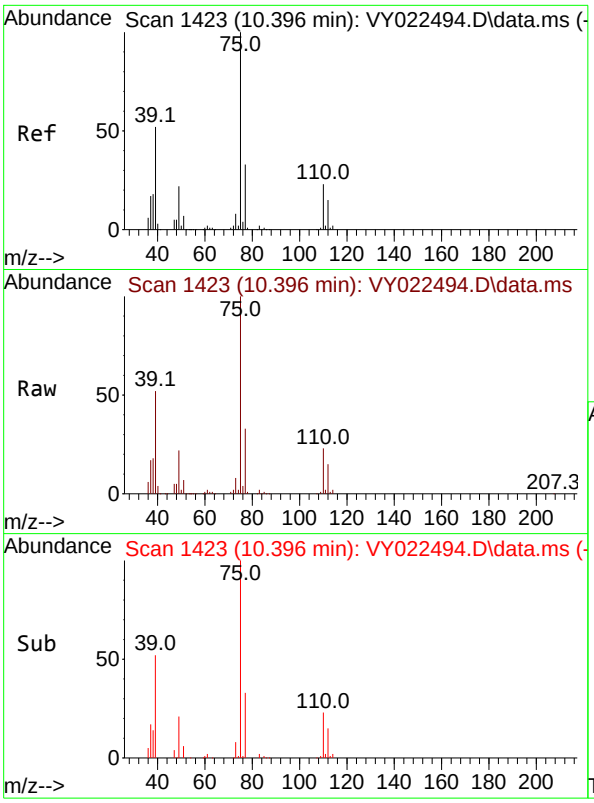


#52
Toluene
Concen: 51.213 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 92 Resp: 316972

Ion	Ratio	Lower	Upper
92	100		
91	173.7	139.0	208.4



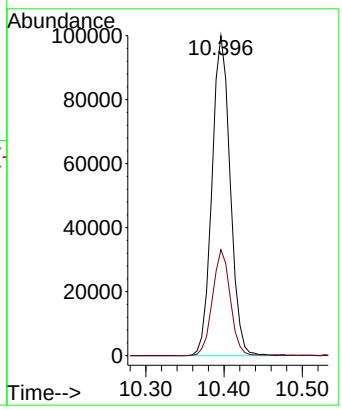


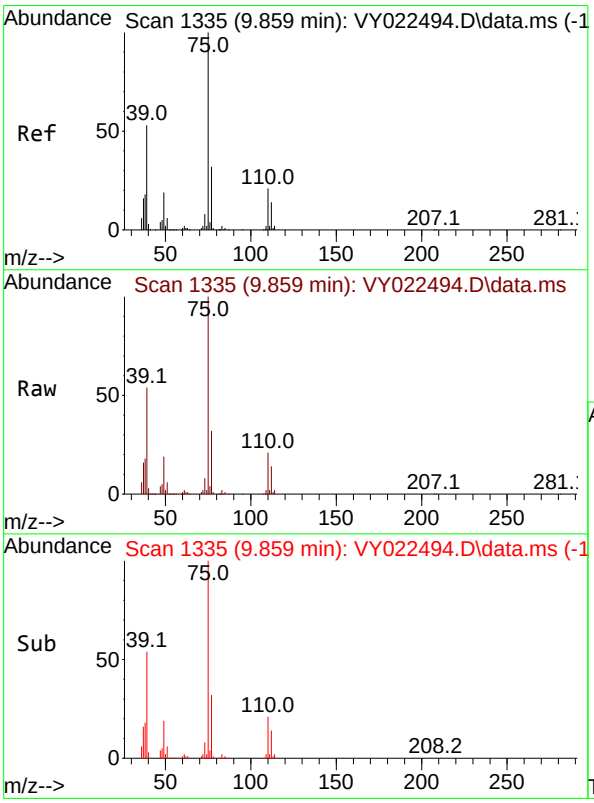
#53
t-1,3-Dichloropropene
Concen: 52.450 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 161859

Ion	Ratio	Lower	Upper
75	100		
77	33.1	26.5	39.7

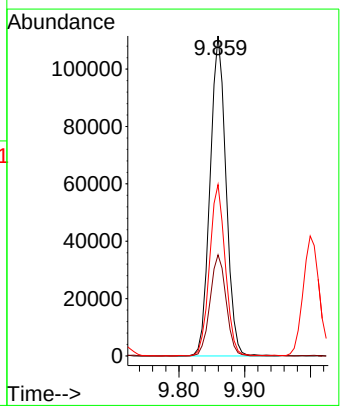


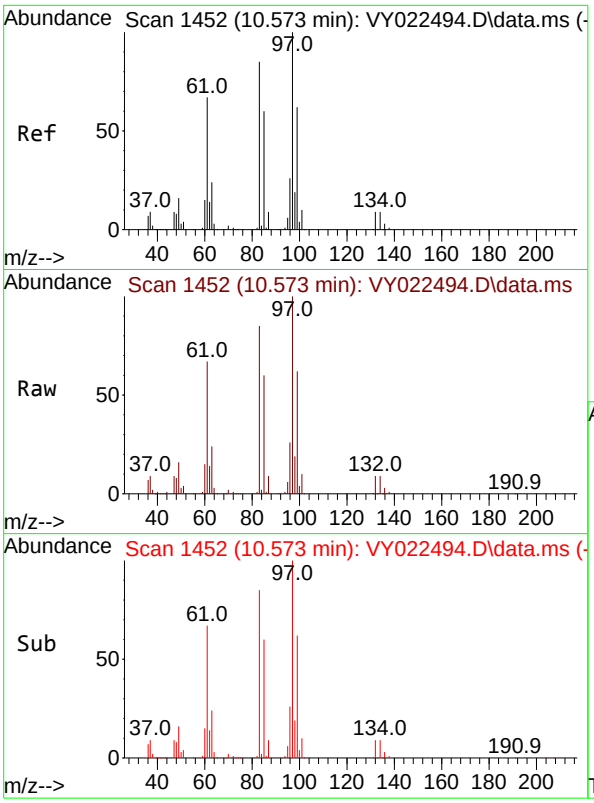


#54
cis-1,3-Dichloropropene
Concen: 52.108 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 188559

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	53.4	42.7	64.1



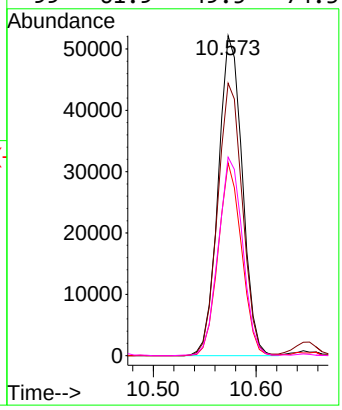


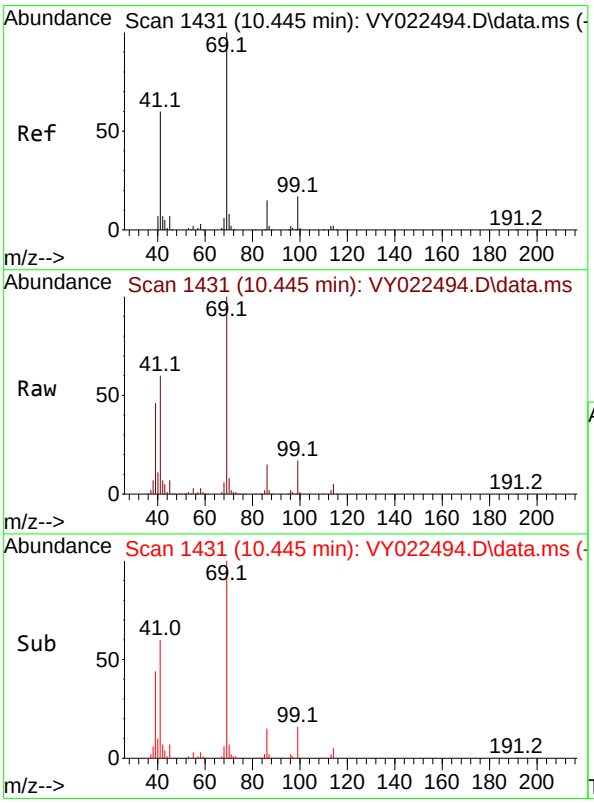
#55
1,1,2-Trichloroethane
Concen: 51.209 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 84788

Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.1	102.1
85	60.2	48.2	72.2
99	61.9	49.5	74.3

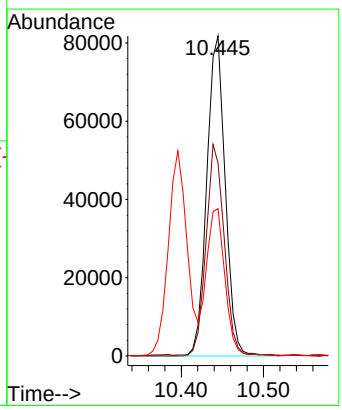


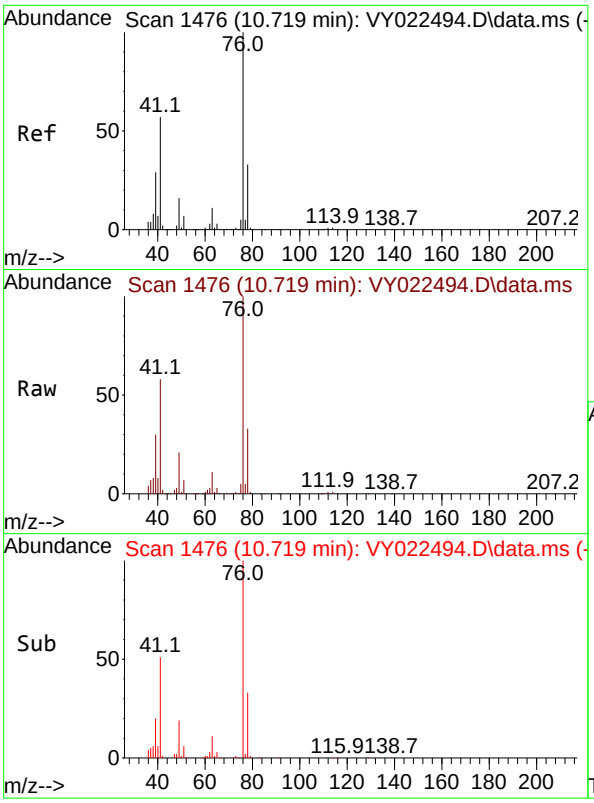


#56
Ethyl methacrylate
Concen: 52.930 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 69 Resp: 127271

Ion	Ratio	Lower	Upper
69	100		
41	65.2	52.2	78.2
39	45.9	36.7	55.1



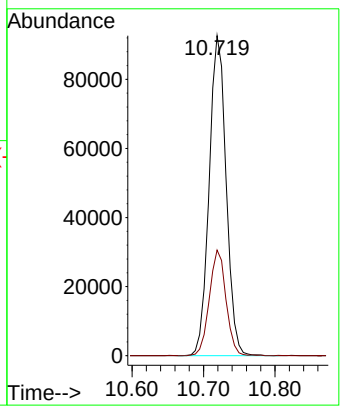


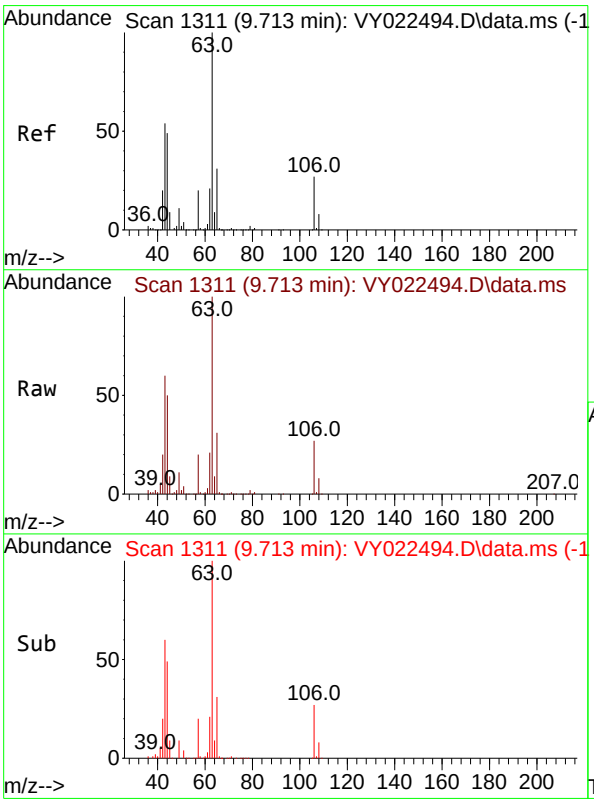
#57
1,3-Dichloropropane
Concen: 51.821 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 152809

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

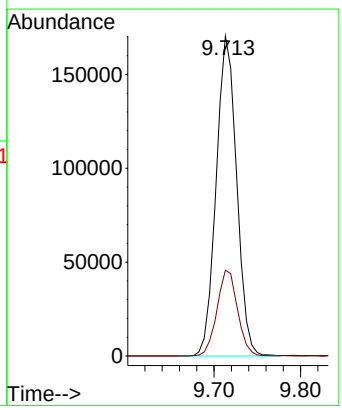


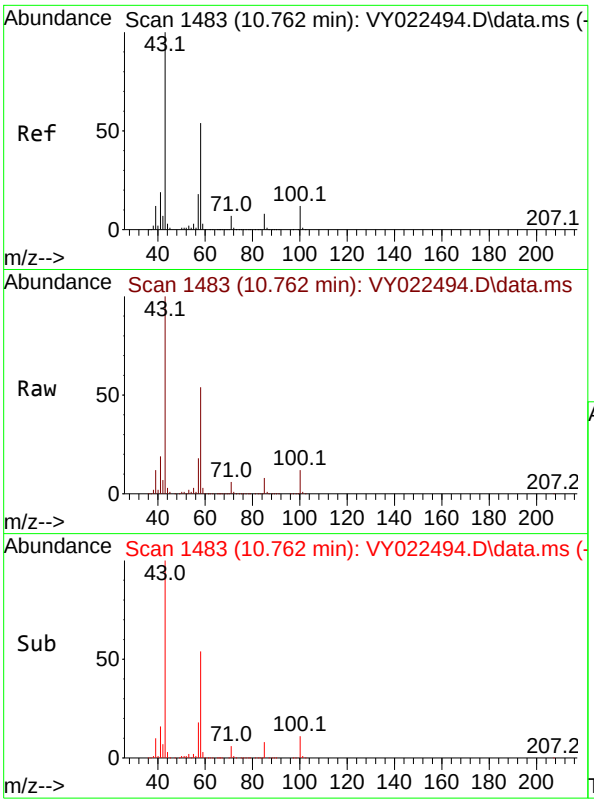


#58
2-Chloroethyl Vinyl ether
Concen: 260.896 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 63 Resp: 279669

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.6	32.4



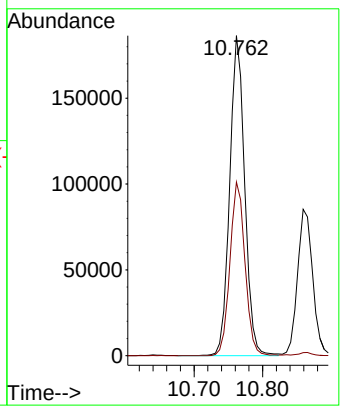


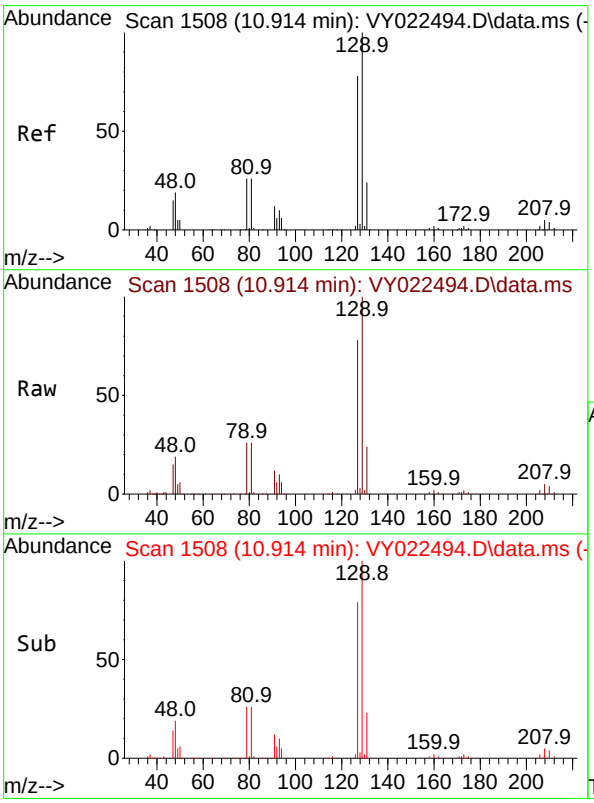
#59
2-Hexanone
Concen: 266.885 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 283601

Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.3	81.8

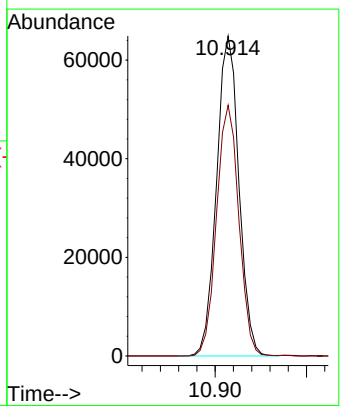


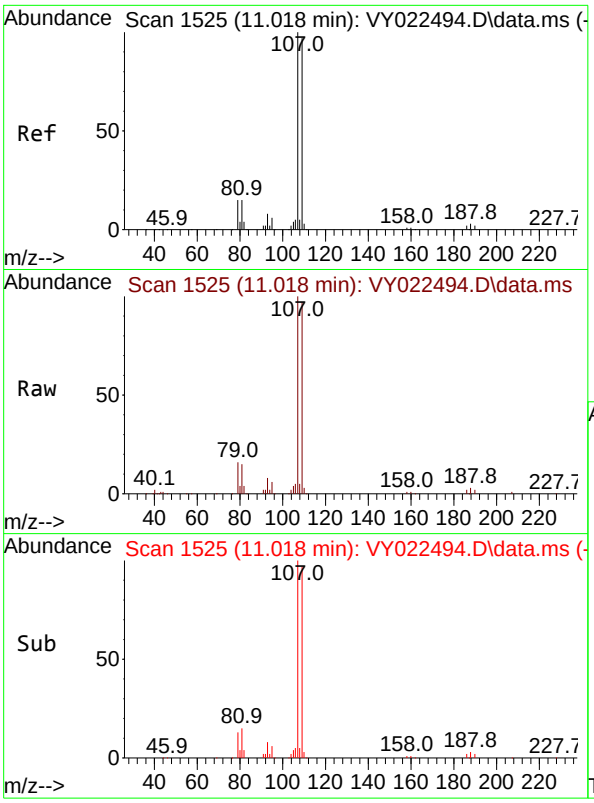


#60
Dibromochloromethane
Concen: 52.582 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:129 Resp: 110314

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.2



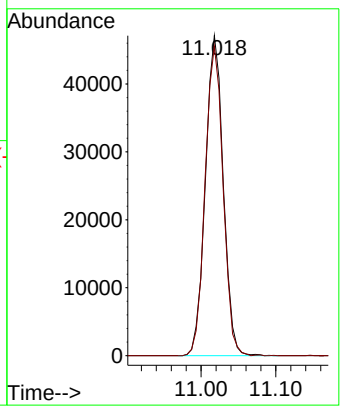


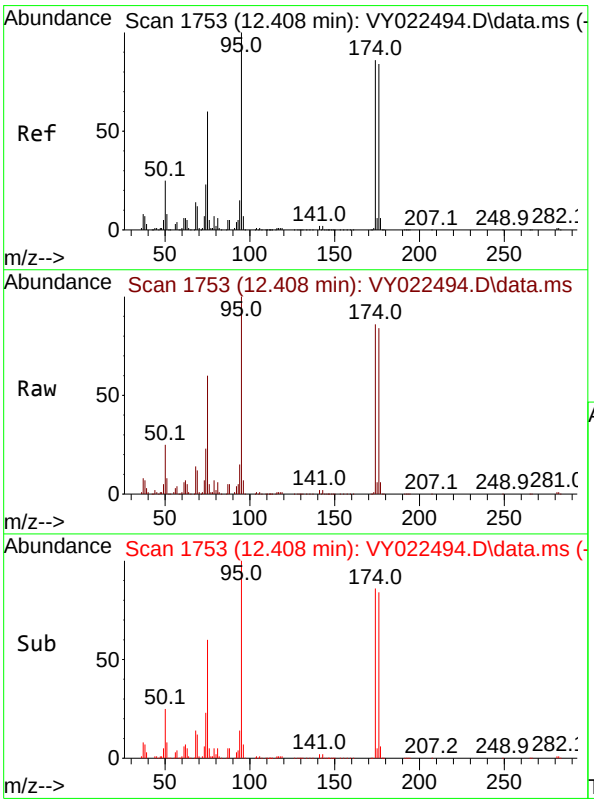
#61
1,2-Dibromoethane
Concen: 51.150 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 78151

Ion	Ratio	Lower	Upper
107	100		
109	97.1	77.7	116.5

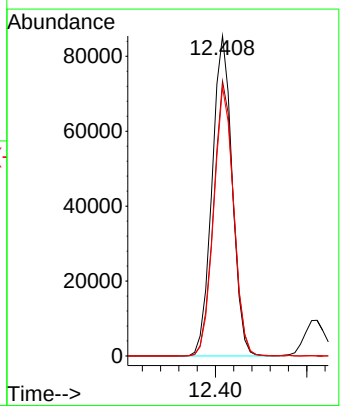


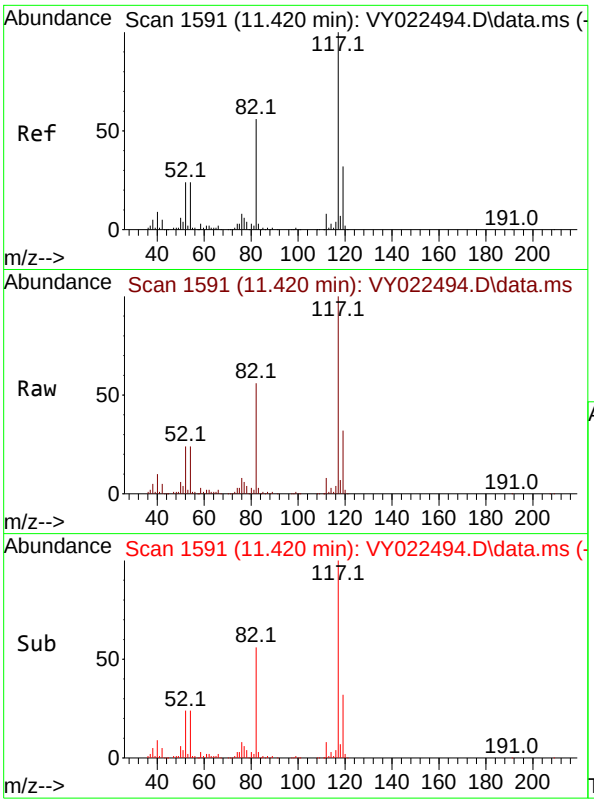


#62
4-Bromofluorobenzene
Concen: 51.503 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 95 Resp: 130393

Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	170.0
176	83.1	0.0	166.2



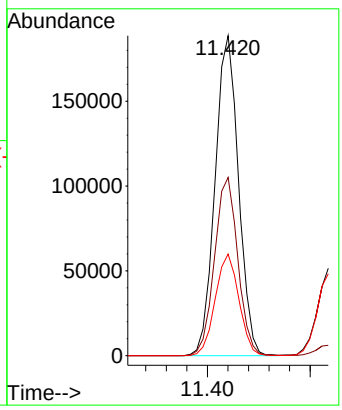


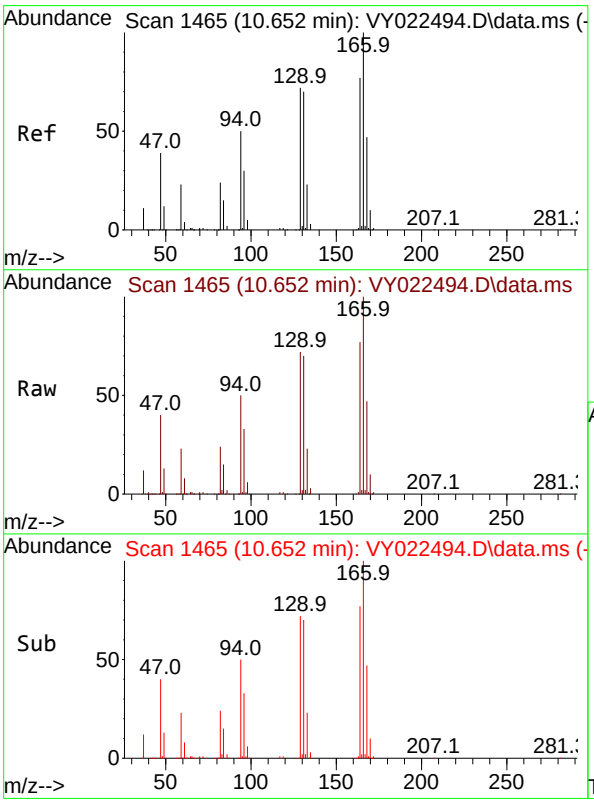
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 298187

Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.6	66.8
119	31.7	25.4	38.0

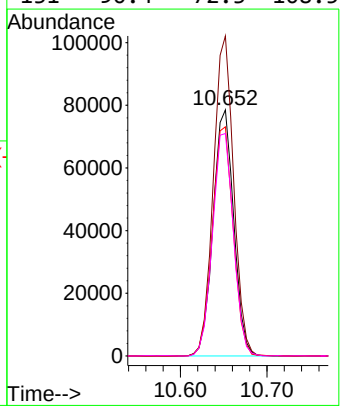


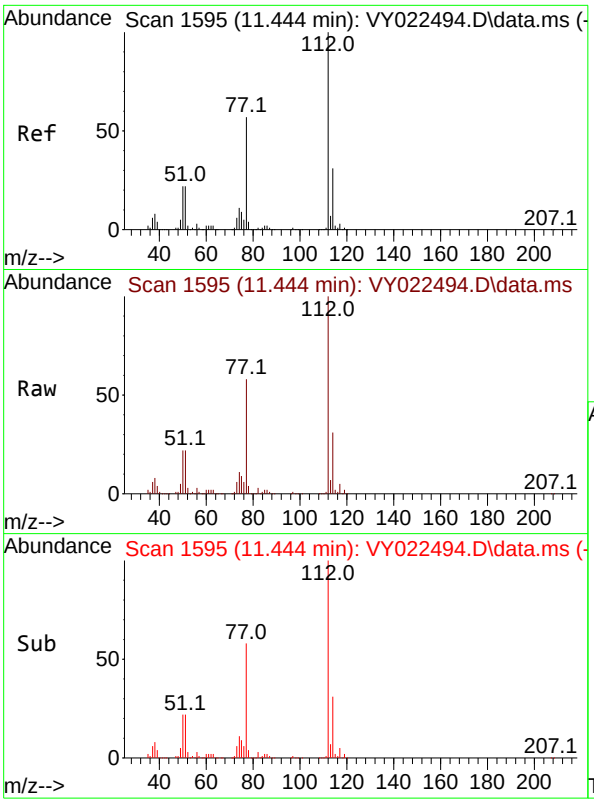


#64
Tetrachloroethene
Concen: 51.367 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:164 Resp: 130171

Ion	Ratio	Lower	Upper
164	100		
166	130.0	104.0	156.0
129	93.1	74.5	111.7
131	90.4	72.3	108.5



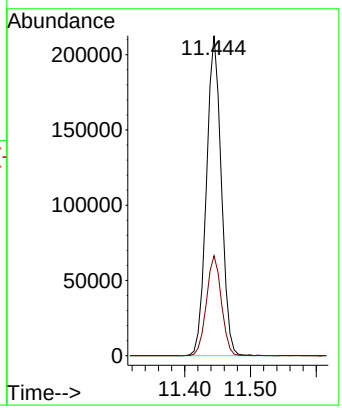


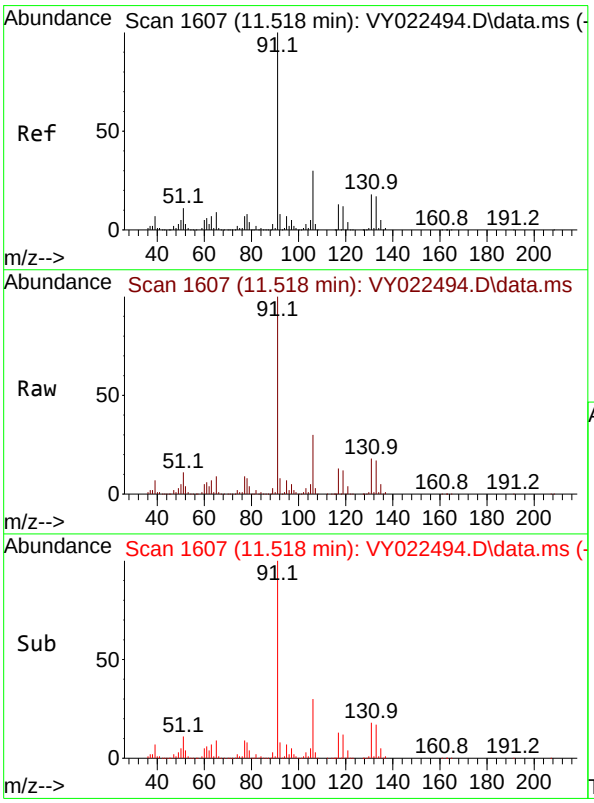
#65
Chlorobenzene
Concen: 51.447 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 332645

Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.0	37.6

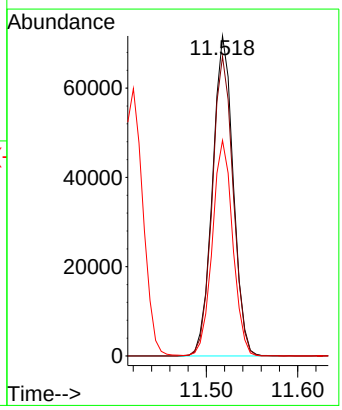


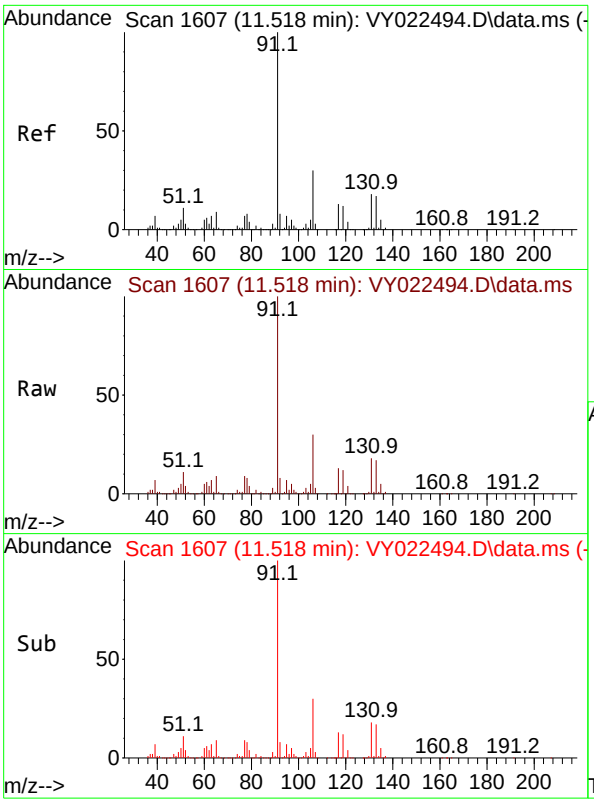


#66
1,1,1,2-Tetrachloroethane
Concen: 51.526 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:131 Resp: 112934

Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.3	141.8
119	66.2	33.1	99.3



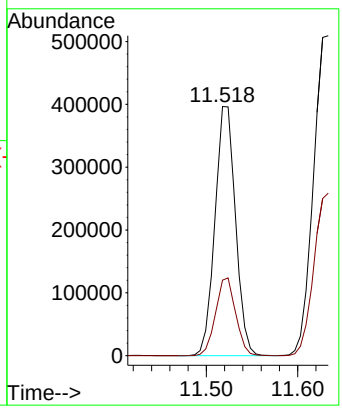


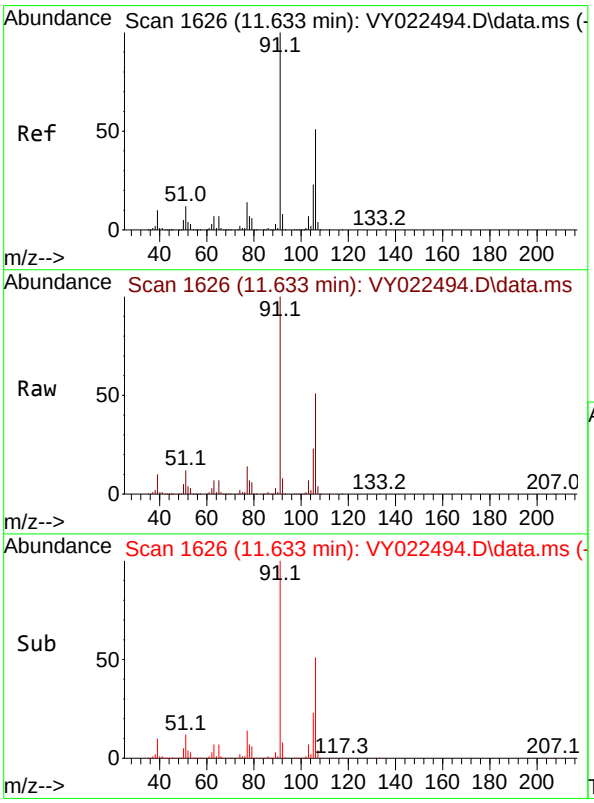
#67
Ethyl Benzene
Concen: 51.577 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 621031

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.2	36.4

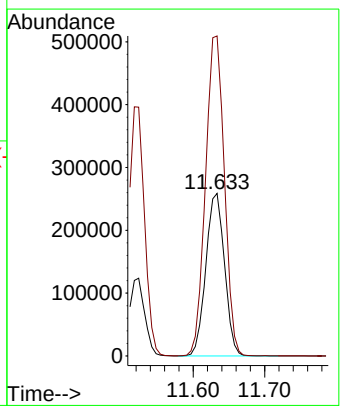


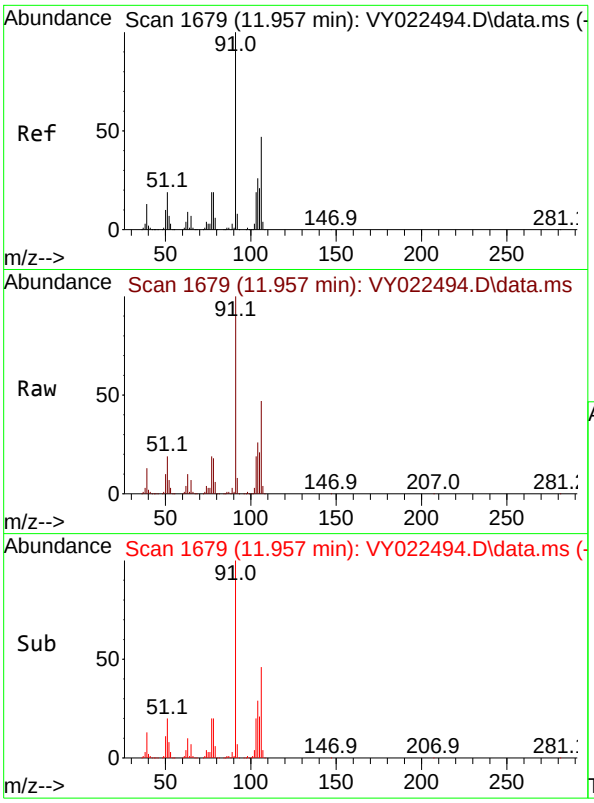


#68
m/p-Xylenes
Concen: 102.795 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:106 Resp: 468441

Ion	Ratio	Lower	Upper
106	100		
91	199.2	159.4	239.0



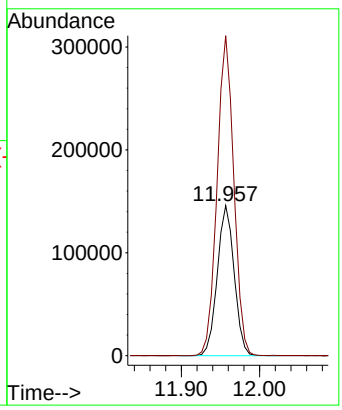


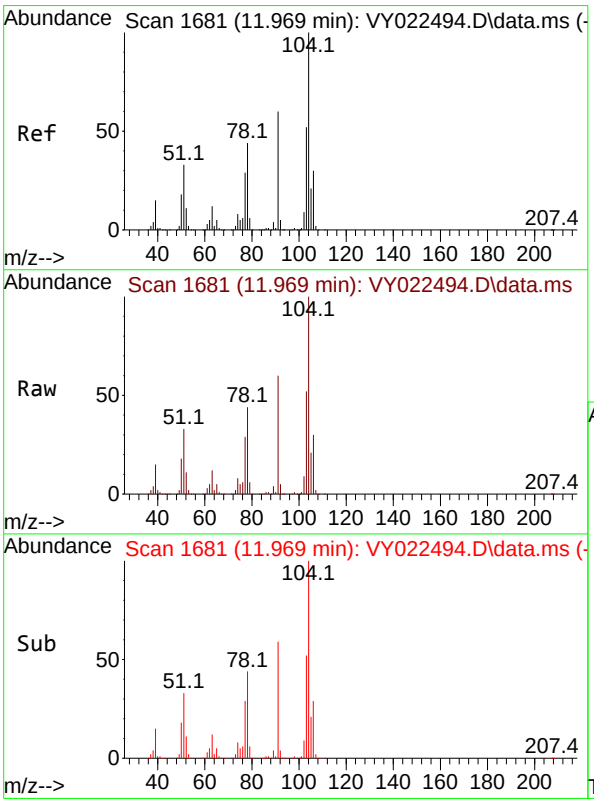
#69
o-Xylene
Concen: 51.293 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 218760

Ion	Ratio	Lower	Upper
106	100		
91	211.5	105.8	317.3

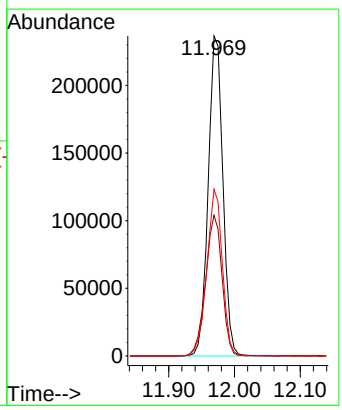


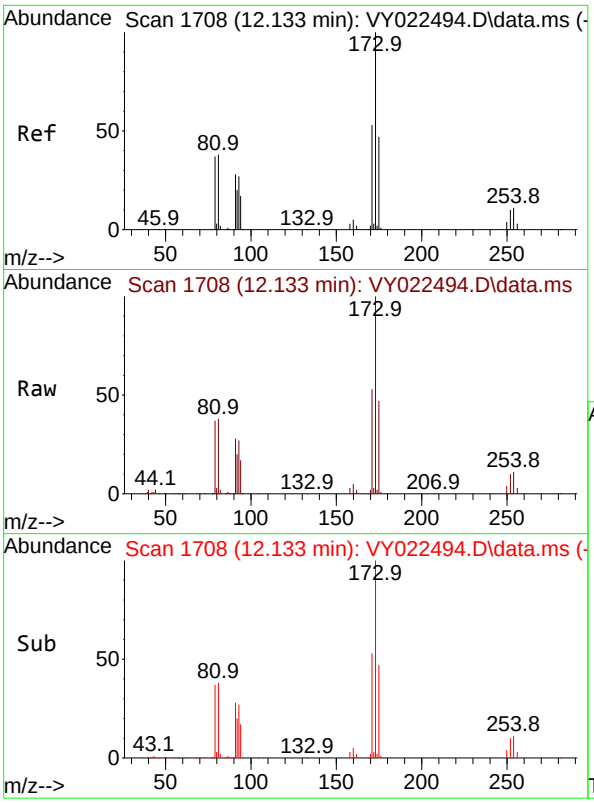


#70
Styrene
Concen: 52.052 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:104 Resp: 367553

Ion	Ratio	Lower	Upper
104	100		
78	49.4	39.5	59.3
103	55.1	44.1	66.1



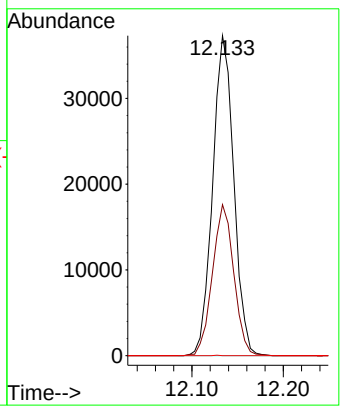


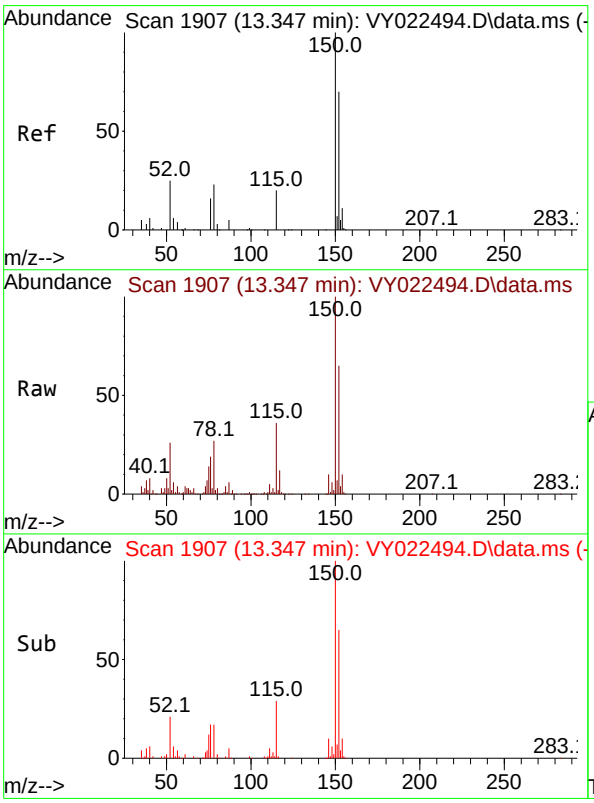
#71
Bromoform
Concen: 51.996 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 59888

Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.8	71.5
254	0.0	0.0	0.0#

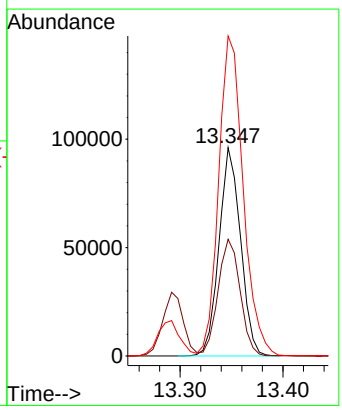


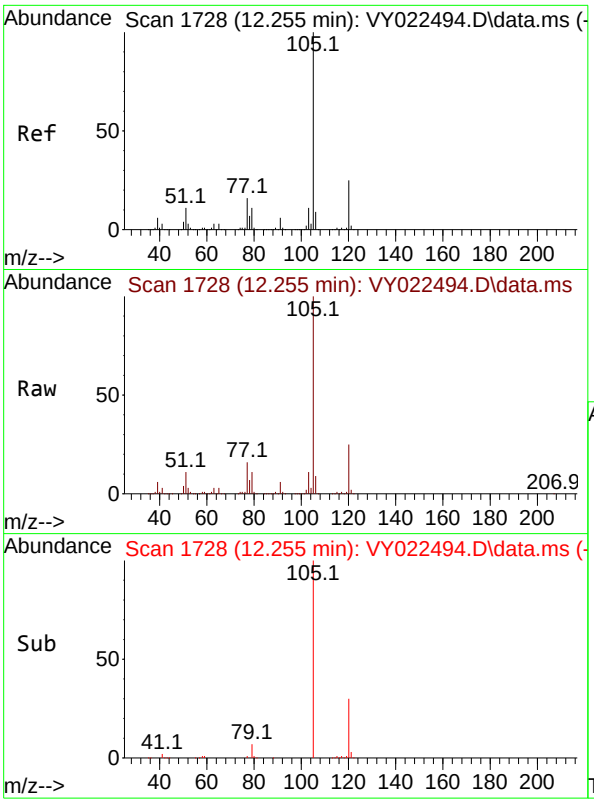


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:152 Resp: 139554

Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.9	86.7
150	174.8	0.0	349.6



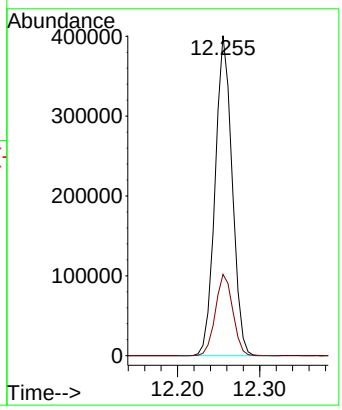


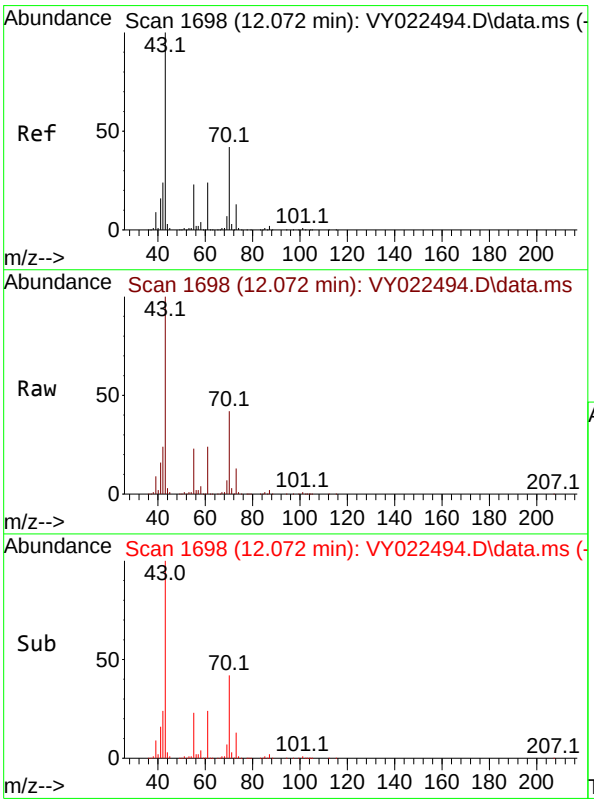
#73
Isopropylbenzene
Concen: 51.329 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 577133

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	38.9

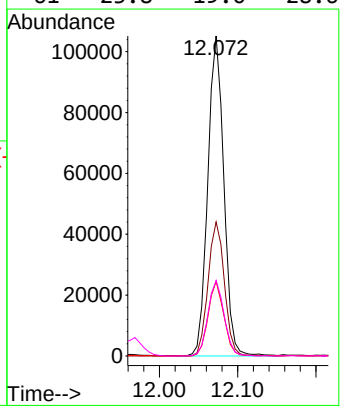


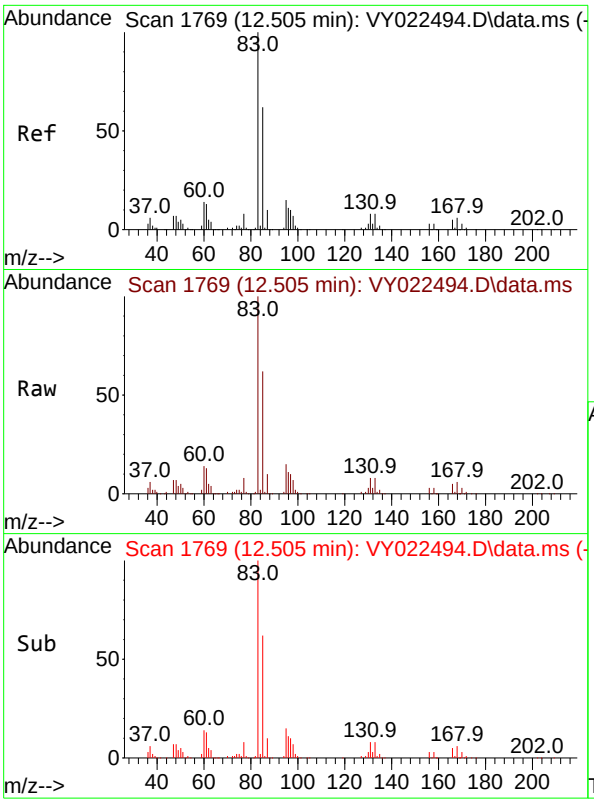


#74
N-amyl acetate
Concen: 52.627 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 43 Resp: 149637

Ion	Ratio	Lower	Upper
43	100		
70	42.7	34.2	51.2
55	22.8	18.2	27.4
61	23.8	19.0	28.6



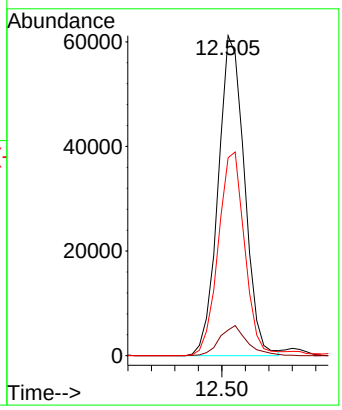


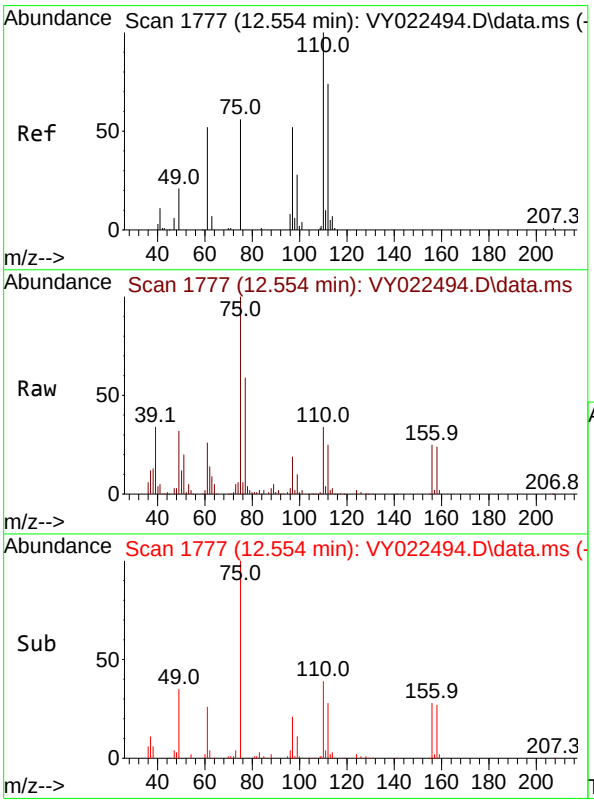
#75
1,1,2,2-Tetrachloroethane
Concen: 52.145 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 95218

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	65.2	32.6	97.8

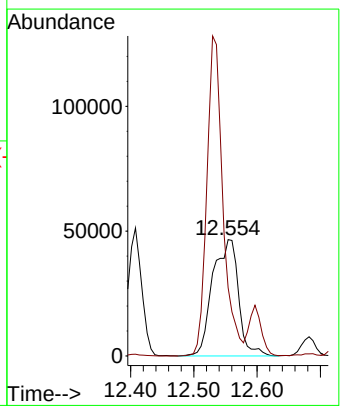


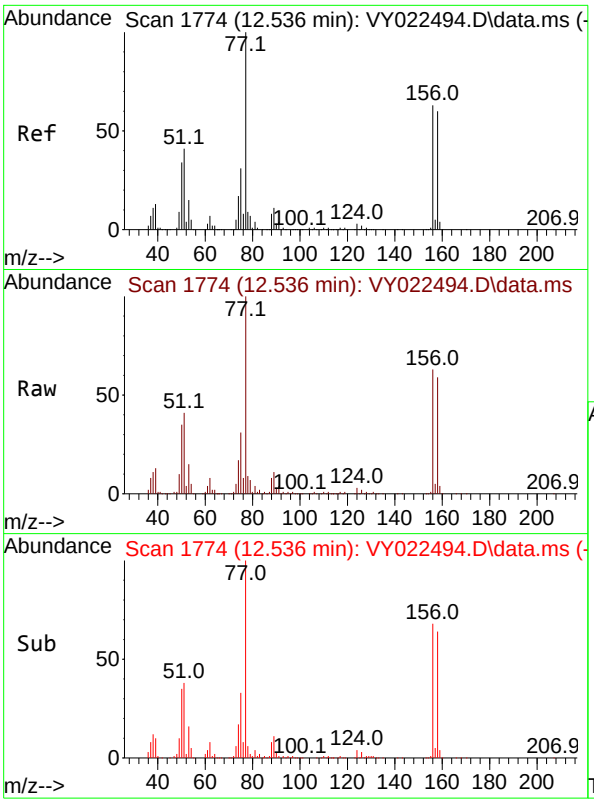


#76
1,2,3-Trichloropropane
Concen: 71.836 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 132344

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



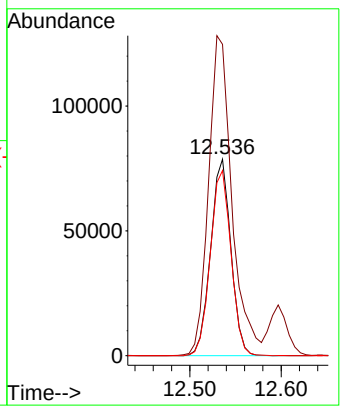


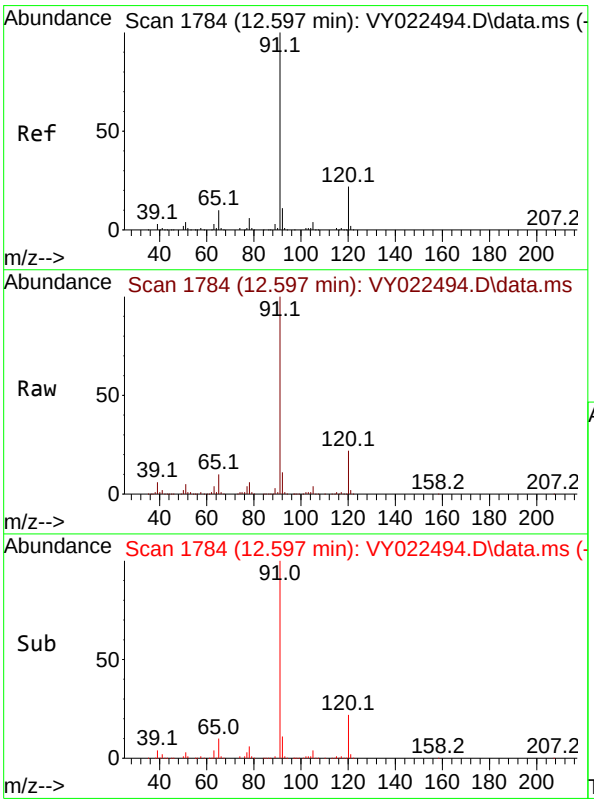
#77
Bromobenzene
Concen: 50.812 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 121092

Ion	Ratio	Lower	Upper
156	100		
77	188.1	94.0	282.1
158	96.4	48.2	144.6

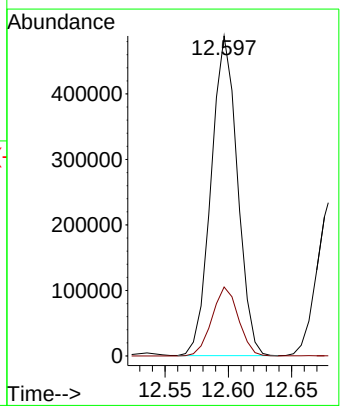


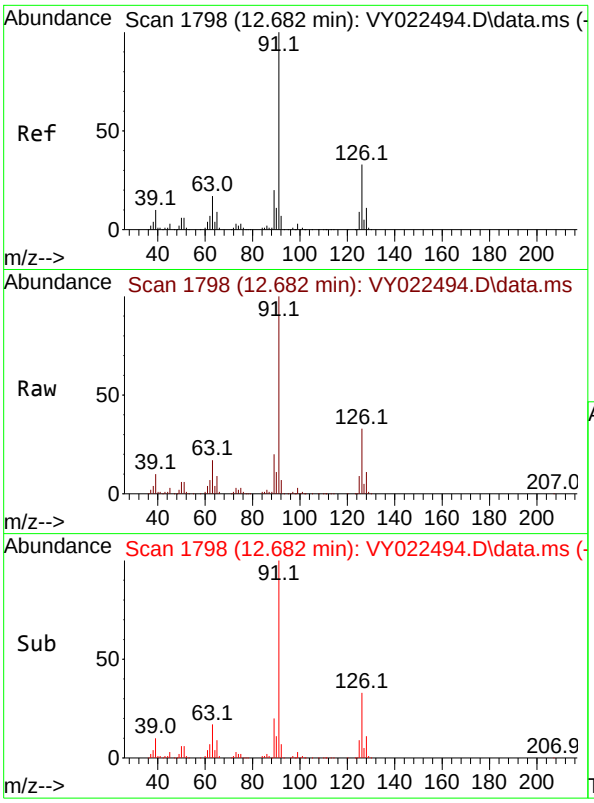


#78
n-propylbenzene
Concen: 51.667 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 91 Resp: 707143

Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.4



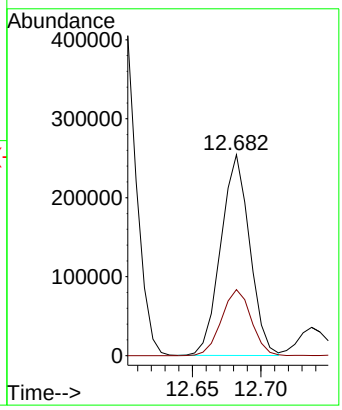


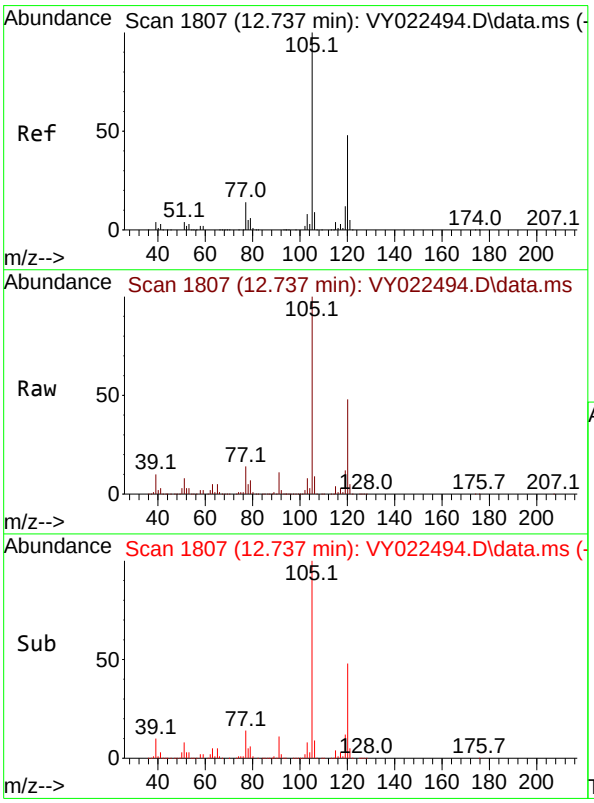
#79
2-Chlorotoluene
Concen: 51.670 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 373402

Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.0	51.0

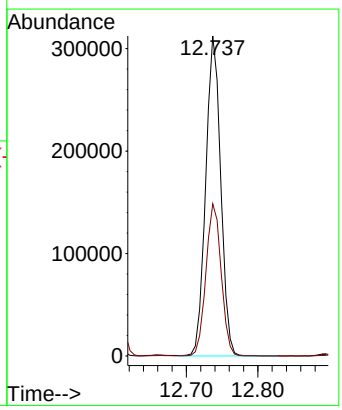


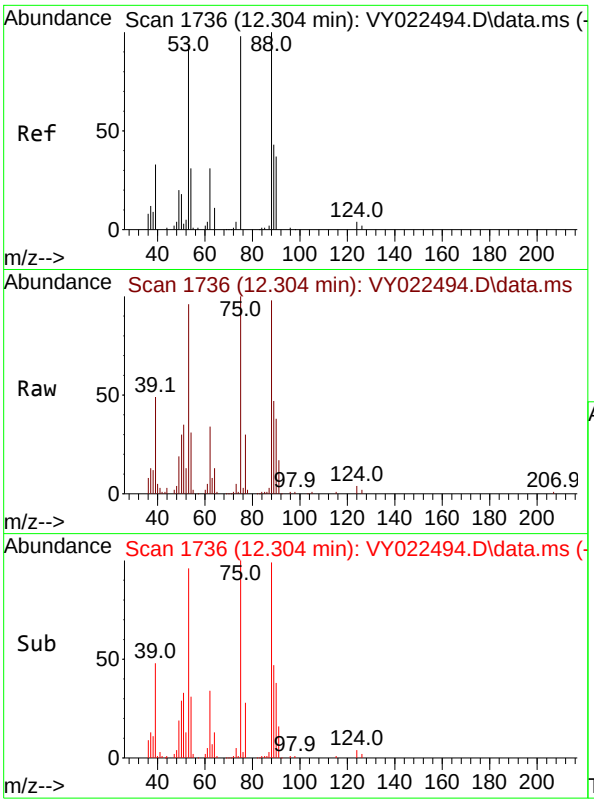


#80
1,3,5-Trimethylbenzene
Concen: 51.754 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:105 Resp: 455006

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.1	72.4



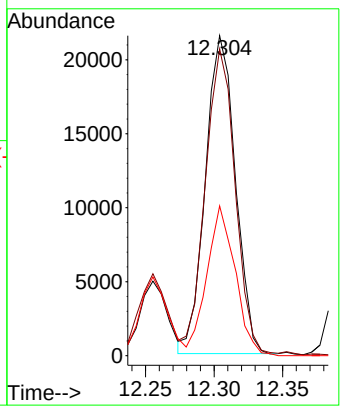


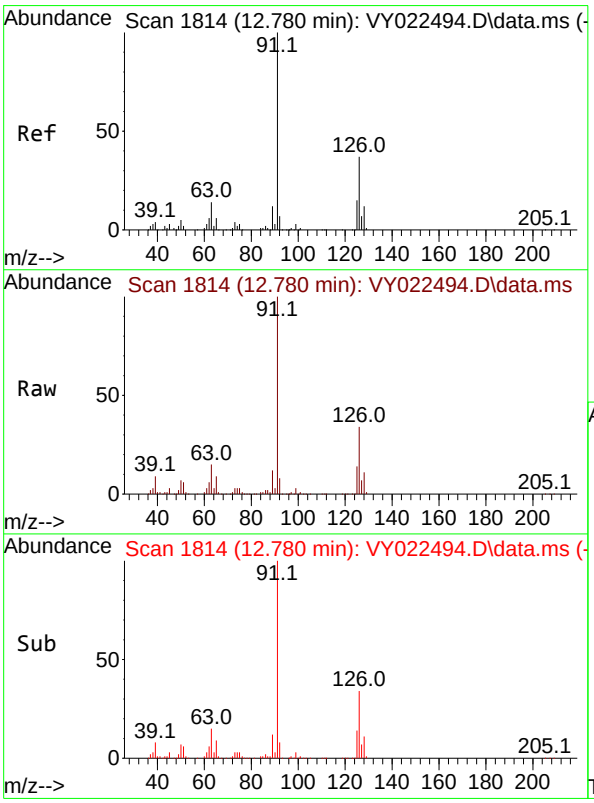
#81
trans-1,4-Dichloro-2-butene
Concen: 50.780 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 32630

Ion	Ratio	Lower	Upper
75	100		
53	98.1	78.5	117.7
89	44.6	35.7	53.5

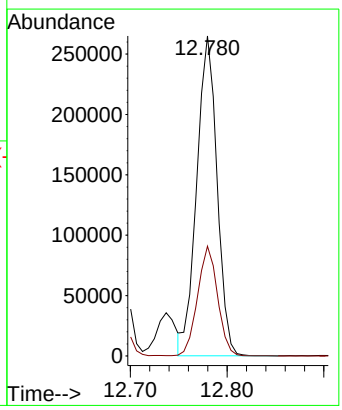


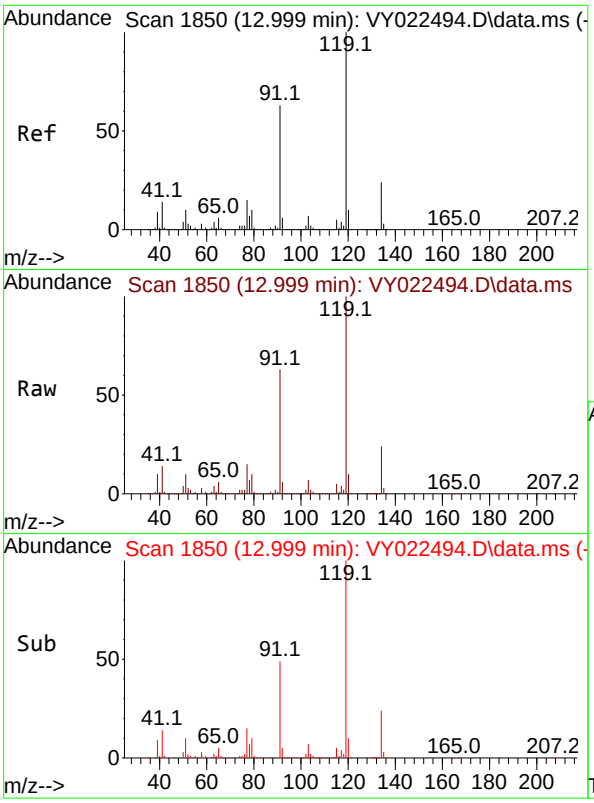


#82
4-Chlorotoluene
Concen: 51.710 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 91 Resp: 387296

Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.0	50.9



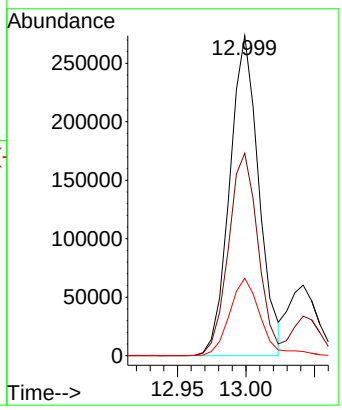


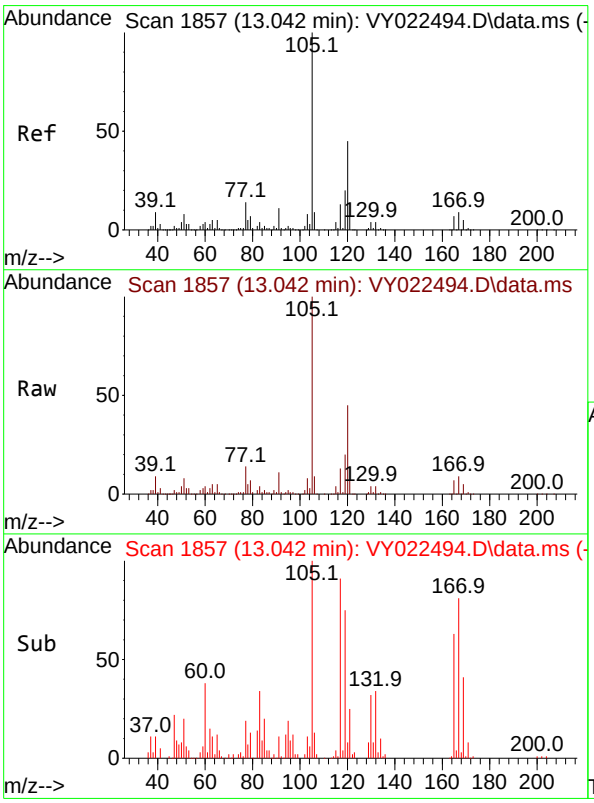
#83
tert-Butylbenzene
Concen: 50.438 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 404519

Ion	Ratio	Lower	Upper
119	100		
91	64.2	32.1	96.3
134	25.9	13.0	38.9

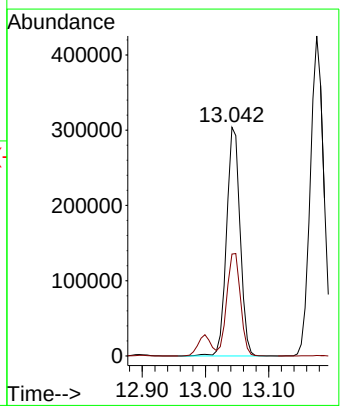


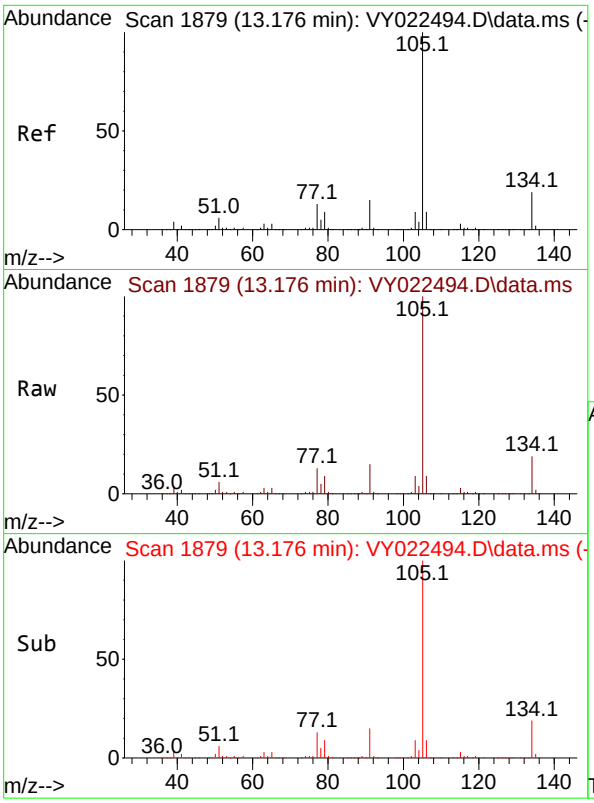


#84
1,2,4-Trimethylbenzene
Concen: 51.088 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:105 Resp: 449372

Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.1



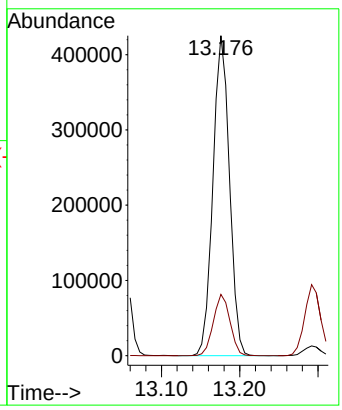


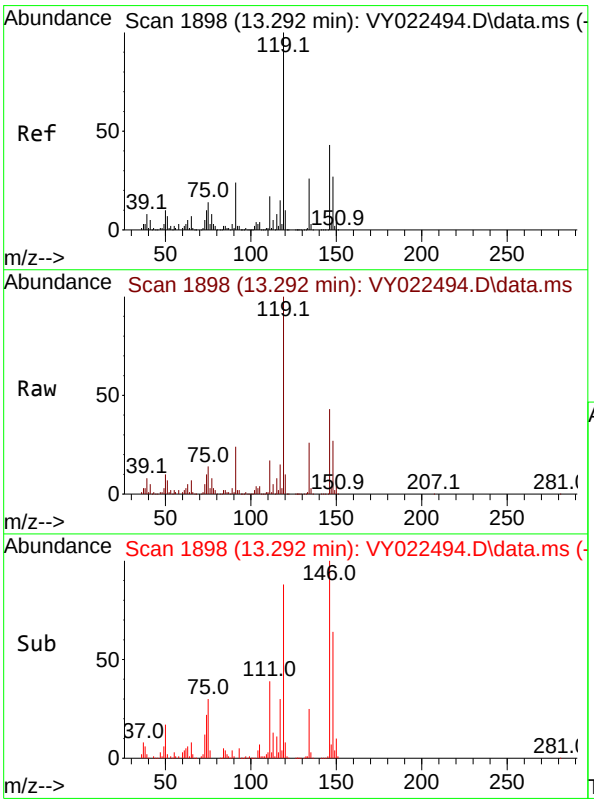
#85
sec-Butylbenzene
Concen: 51.250 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 623185

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9

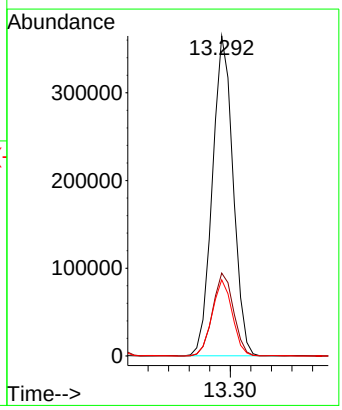


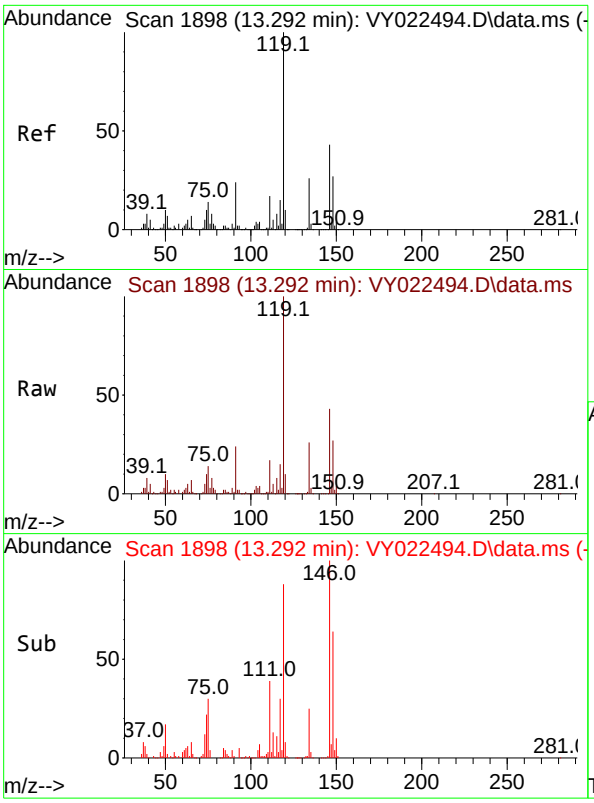


#86
p-Isopropyltoluene
Concen: 51.018 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:119 Resp: 510026

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	23.2	11.6	34.8



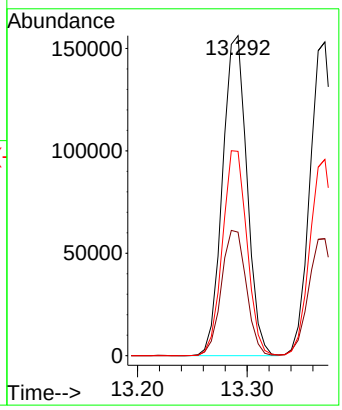


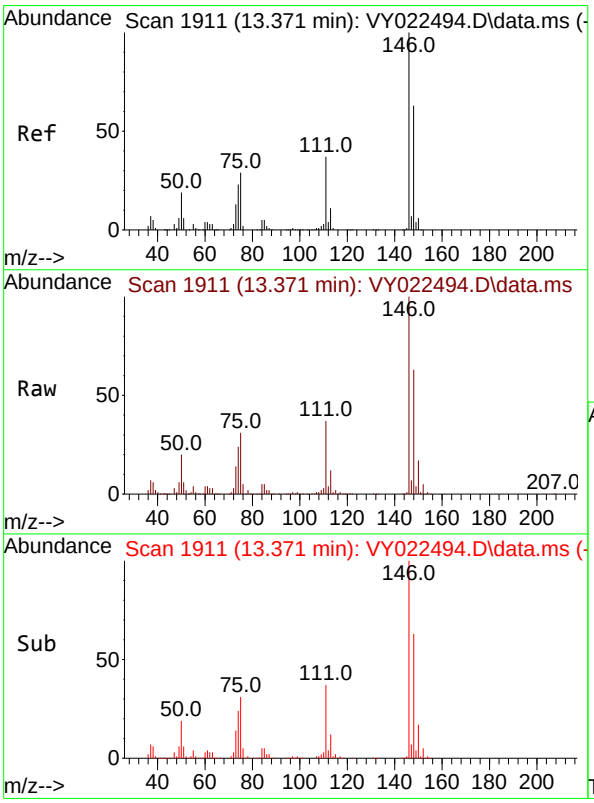
#87
1,3-Dichlorobenzene
Concen: 50.717 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 241816

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.1	60.2
148	64.2	32.1	96.3

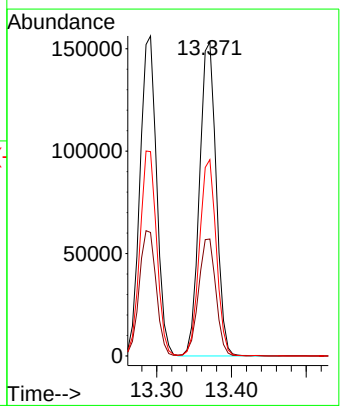


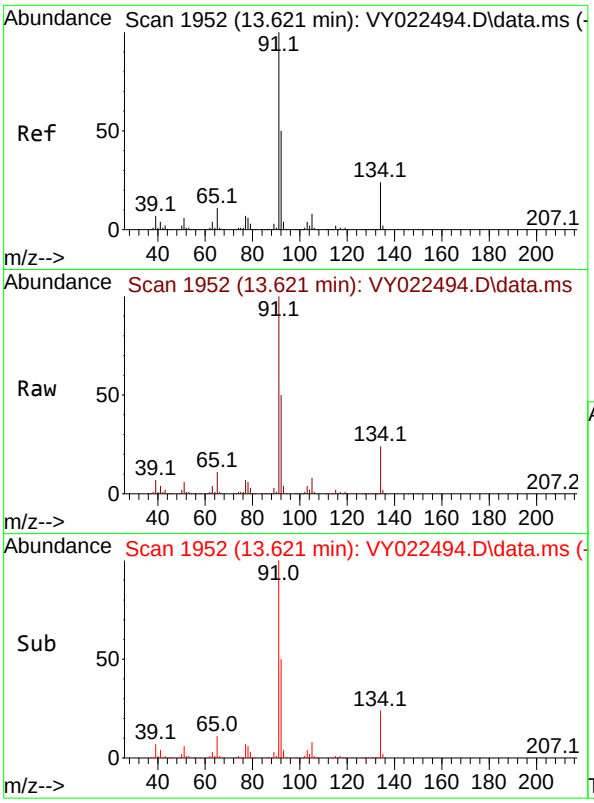


#88
1,4-Dichlorobenzene
Concen: 51.108 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:146 Resp: 237429

Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.2
148	63.2	31.6	94.8



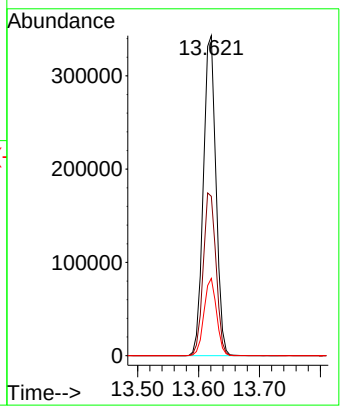


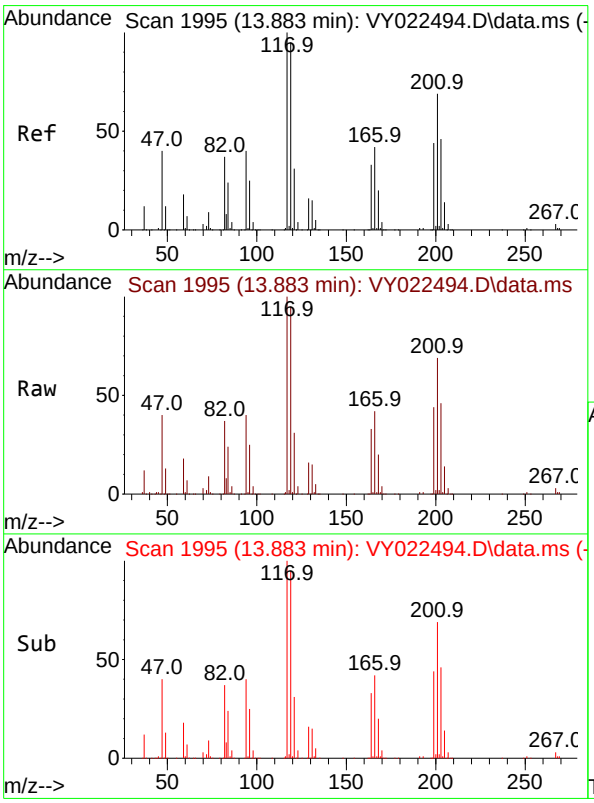
#89
n-Butylbenzene
Concen: 51.811 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 493153

Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.8
134	24.1	12.0	36.1

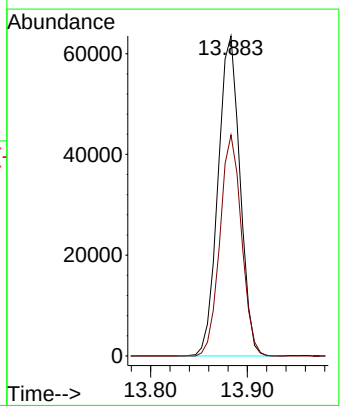


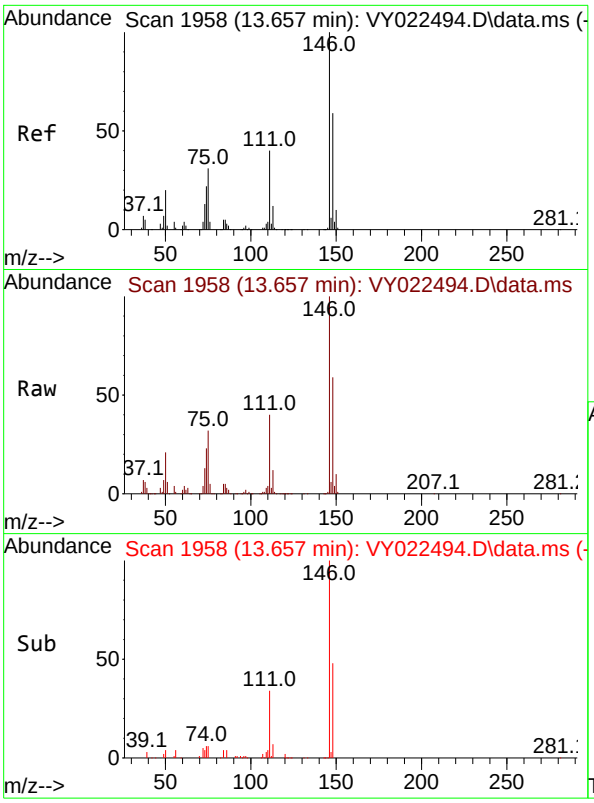


#90
Hexachloroethane
Concen: 51.068 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:117 Resp: 99901

Ion	Ratio	Lower	Upper
117	100		
201	68.0	34.0	102.0



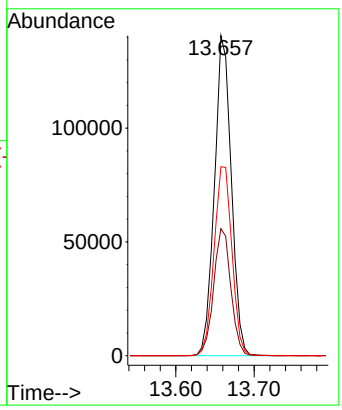


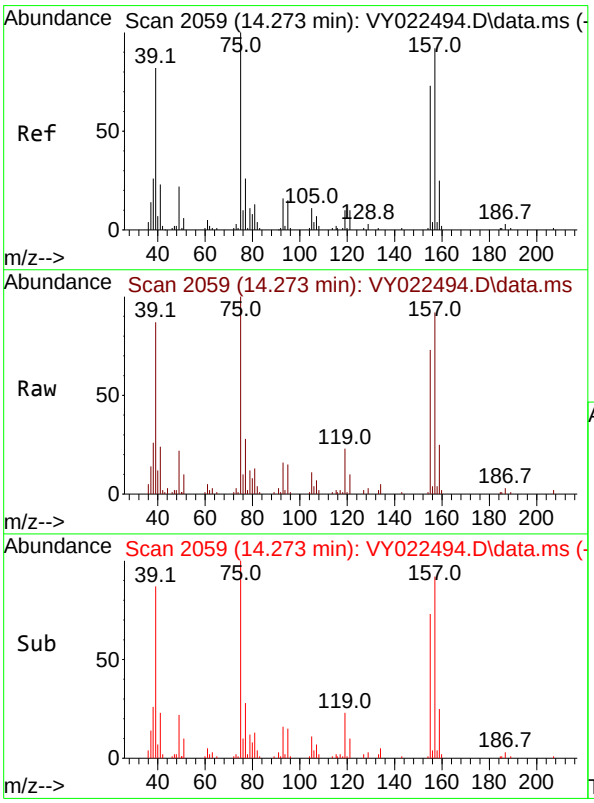
#91
1,2-Dichlorobenzene
Concen: 51.528 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 211065

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.6
148	62.7	31.4	94.0

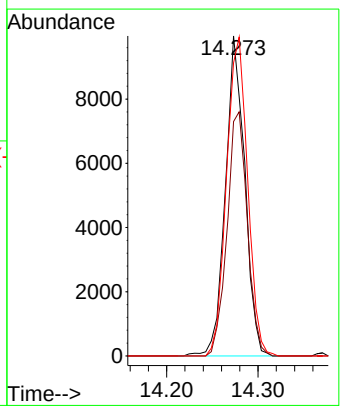


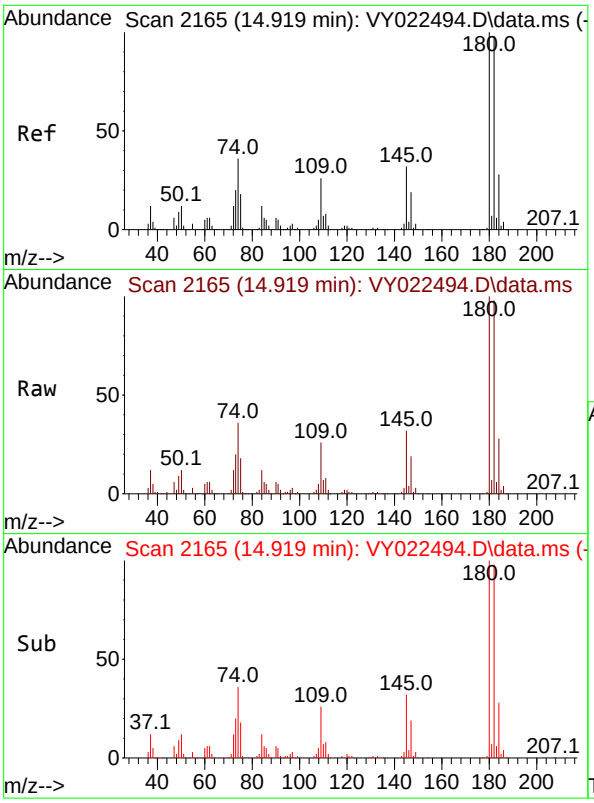


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.244 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion: 75 Resp: 14697

Ion	Ratio	Lower	Upper
75	100		
155	79.7	39.9	119.6
157	108.0	54.0	162.0



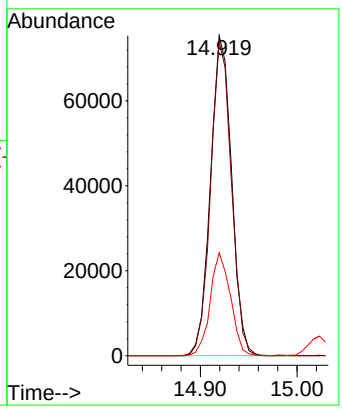


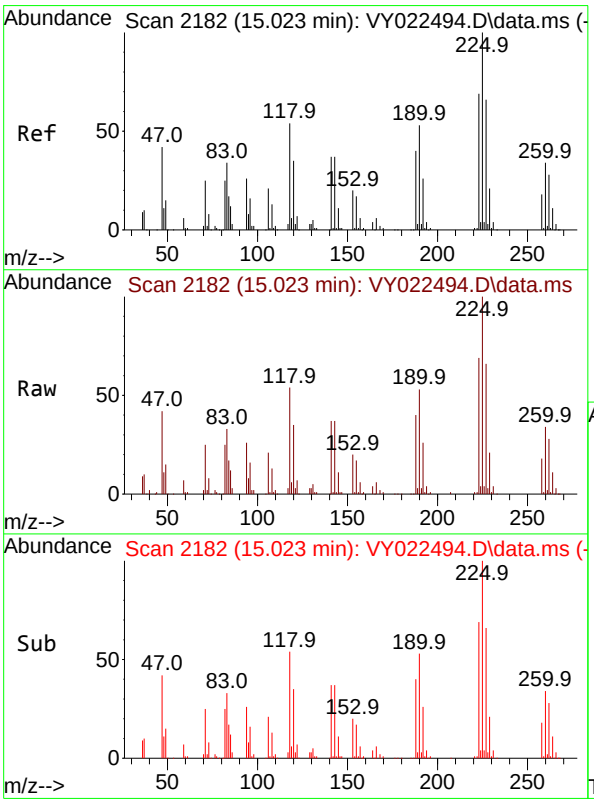
#93
1,2,4-Trichlorobenzene
Concen: 50.919 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 114007

Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.4	145.3
145	31.0	15.5	46.5

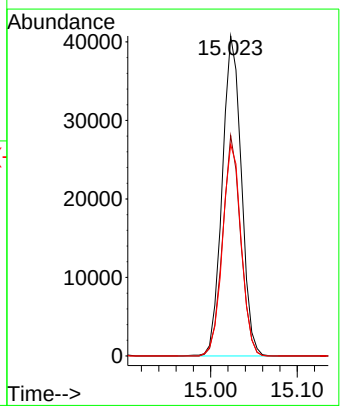


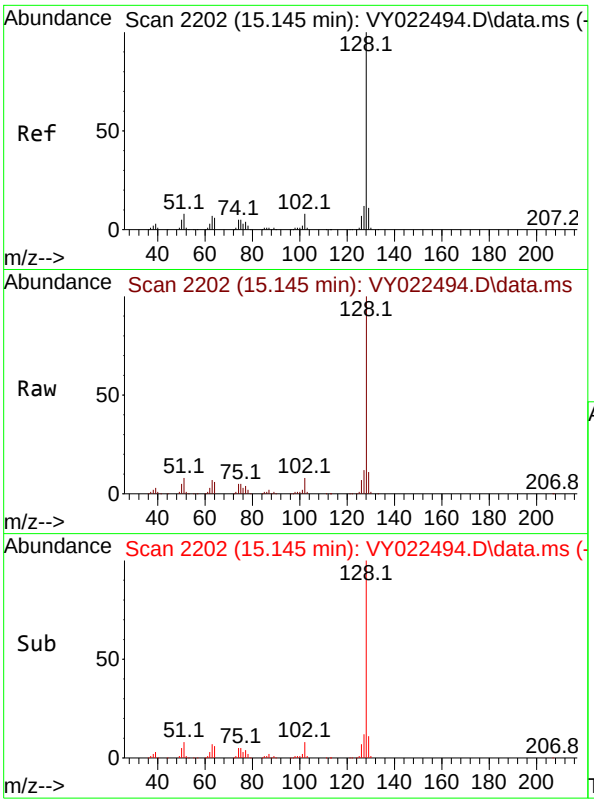


#94
Hexachlorobutadiene
Concen: 51.054 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:225 Resp: 62434

Ion	Ratio	Lower	Upper
225	100		
223	64.9	32.5	97.4
227	64.6	32.3	96.9



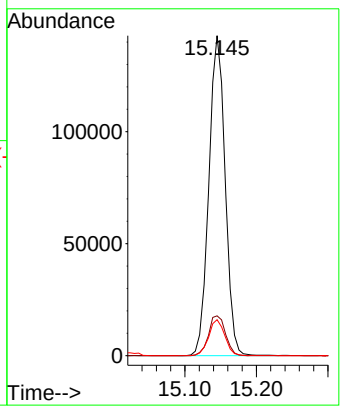


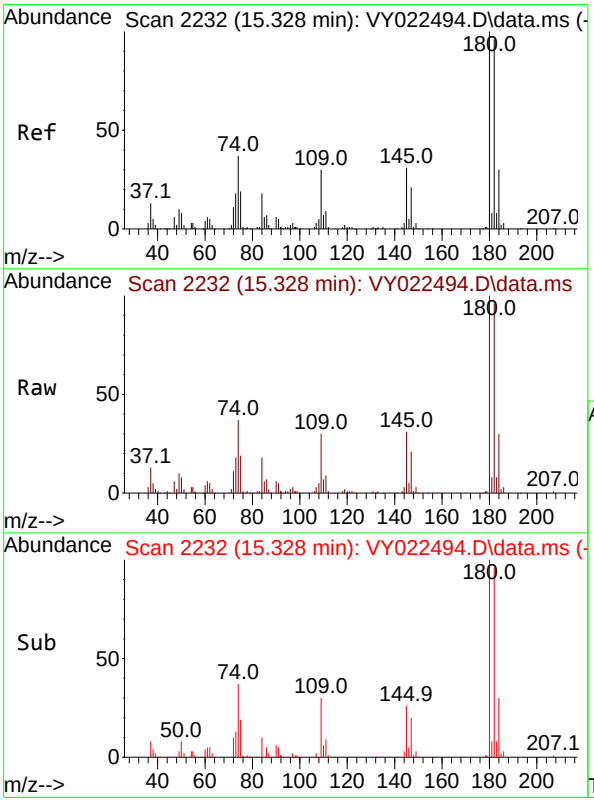
#95
Naphthalene
Concen: 52.686 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 226073

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.1	8.9	13.3

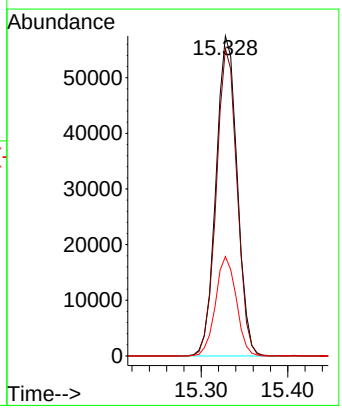




#96
1,2,3-Trichlorobenzene
Concen: 51.295 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022494.D
Acq: 02 Jun 2025 12:54

Tgt Ion:180 Resp: 97609

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.1	141.3
145	30.4	15.2	45.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	220566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	362519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	312741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	150217	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	243724	101.553	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 203.100%#			
35) Dibromofluoromethane	7.634	113	222443	104.234	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 208.460%#			
50) Toluene-d8	10.109	98	908424	105.318	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 210.640%#			
62) 4-Bromofluorobenzene	12.407	95	270310	103.359	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 206.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	175145	90.872	ug/l	97
3) Chloromethane	2.068	50	519859	91.429	ug/l	99
4) Vinyl Chloride	2.202	62	636843	95.695	ug/l	100
5) Bromomethane	2.592	94	591589	93.980	ug/l	99
6) Chloroethane	2.732	64	414935	91.070	ug/l	96
7) Trichlorofluoromethane	3.049	101	539323	95.384	ug/l	97
8) Diethyl Ether	3.458	74	122923	98.428	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.817	101	230240	97.074	ug/l	99
10) Methyl Iodide	4.006	142	278576	109.525	ug/l	99
11) Tert butyl alcohol	4.878	59	83900	489.395	ug/l #	87
12) 1,1-Dichloroethene	3.793	96	224855	99.317	ug/l	97
13) Acrolein	3.653	56	109392	522.746	ug/l	100
14) Allyl chloride	4.390	41	354774	100.560	ug/l	98
15) Acrylonitrile	5.067	53	269411	507.168	ug/l	100
16) Acetone	3.872	43	231202	487.310	ug/l	100
17) Carbon Disulfide	4.110	76	722508	99.952	ug/l	99
18) Methyl Acetate	4.390	43	132608	92.907	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	632873	100.187	ug/l	99
20) Methylene Chloride	4.622	84	241903	91.318	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	253184	100.103	ug/l	95
22) Diisopropyl ether	6.024	45	794164	101.232	ug/l	98
23) Vinyl Acetate	5.963	43	2424134	520.866	ug/l	99
24) 1,1-Dichloroethane	5.915	63	463641	99.980	ug/l	99
25) 2-Butanone	6.896	43	358881	512.798	ug/l	99
26) 2,2-Dichloropropane	6.890	77	420323	101.961	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	294837	100.858	ug/l	98
28) Bromochloromethane	7.250	49	206906	103.263	ug/l	100
29) Tetrahydrofuran	7.268	42	226299	501.243	ug/l	99
30) Chloroform	7.426	83	459957	100.373	ug/l	96
31) Cyclohexane	7.707	56	428074	91.723	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	419389	102.410	ug/l	99
36) 1,1-Dichloropropene	7.841	75	355563	103.070	ug/l	99
37) Ethyl Acetate	6.988	43	159922	105.336	ug/l	98
38) Carbon Tetrachloride	7.823	117	368617	103.651	ug/l	96
39) Methylcyclohexane	9.109	83	481512	103.323	ug/l	99
40) Benzene	8.085	78	1052881	103.542	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	72513	74.162	ug/l	#	79
42) 1,2-Dichloroethane	8.158	62	286305	103.504	ug/l		98
43) Isopropyl Acetate	8.201	43	344110	103.721	ug/l		98
44) Trichloroethene	8.865	130	253632	102.104	ug/l		100
45) 1,2-Dichloropropane	9.146	63	249363	102.865	ug/l		100
46) Dibromomethane	9.231	93	139349	102.605	ug/l		98
47) Bromodichloromethane	9.426	83	356025	103.321	ug/l		99
48) Methyl methacrylate	9.225	41	163867	107.875	ug/l		99
49) 1,4-Dioxane	9.237	88	31675	1955.012	ug/l		98
51) 4-Methyl-2-Pentanone	9.999	43	884897	537.390	ug/l		98
52) Toluene	10.170	92	676554	105.821	ug/l		100
53) t-1,3-Dichloropropene	10.395	75	339647	106.548	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	394647	105.579	ug/l		100
55) 1,1,2-Trichloroethane	10.572	97	176386	103.130	ug/l		97
56) Ethyl methacrylate	10.438	69	270253	108.807	ug/l		99
57) 1,3-Dichloropropane	10.719	76	314882	103.374	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	631985	570.744	ug/l		99
59) 2-Hexanone	10.761	43	599356	546.025	ug/l		99
60) Dibromochloromethane	10.914	129	231582	106.862	ug/l		99
61) 1,2-Dibromoethane	11.017	107	162846	103.182	ug/l		97
64) Tetrachloroethene	10.645	164	260085	97.857	ug/l		98
65) Chlorobenzene	11.444	112	700365	103.277	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	241080	104.874	ug/l		99
67) Ethyl Benzene	11.517	91	1343424	106.379	ug/l		100
68) m/p-Xylenes	11.627	106	1027669	215.017	ug/l		99
69) o-Xylene	11.956	106	478106	106.884	ug/l		100
70) Styrene	11.968	104	807331	109.011	ug/l		99
71) Bromoform	12.133	173	129134	106.900	ug/l	#	98
73) Isopropylbenzene	12.255	105	1251781	103.429	ug/l		100
74) N-amyl acetate	12.072	43	331256	108.232	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	201554	102.543	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	285086	143.759	ug/l	#	100
77) Bromobenzene	12.535	156	260522	101.560	ug/l		99
78) n-propylbenzene	12.596	91	1517453	103.002	ug/l		99
79) 2-Chlorotoluene	12.682	91	801096	102.984	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	983812	103.959	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	72518	104.845	ug/l		97
82) 4-Chlorotoluene	12.779	91	836500	103.758	ug/l		99
83) tert-Butylbenzene	12.999	119	886942	102.740	ug/l		100
84) 1,2,4-Trimethylbenzene	13.041	105	992770	104.854	ug/l		100
85) sec-Butylbenzene	13.175	105	1348209	103.006	ug/l		100
86) p-Isopropyltoluene	13.291	119	1148821	106.760	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	543396	105.879	ug/l		99
88) 1,4-Dichlorobenzene	13.364	146	503842	100.757	ug/l		98
89) n-Butylbenzene	13.621	91	1062595	103.713	ug/l		99
90) Hexachloroethane	13.883	117	213148	101.224	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	447574	101.511	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	29357	98.805	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	255752	106.117	ug/l		97
94) Hexachlorobutadiene	15.023	225	132452	100.622	ug/l		99
95) Naphthalene	15.145	128	499554	108.155	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	213300	104.136	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

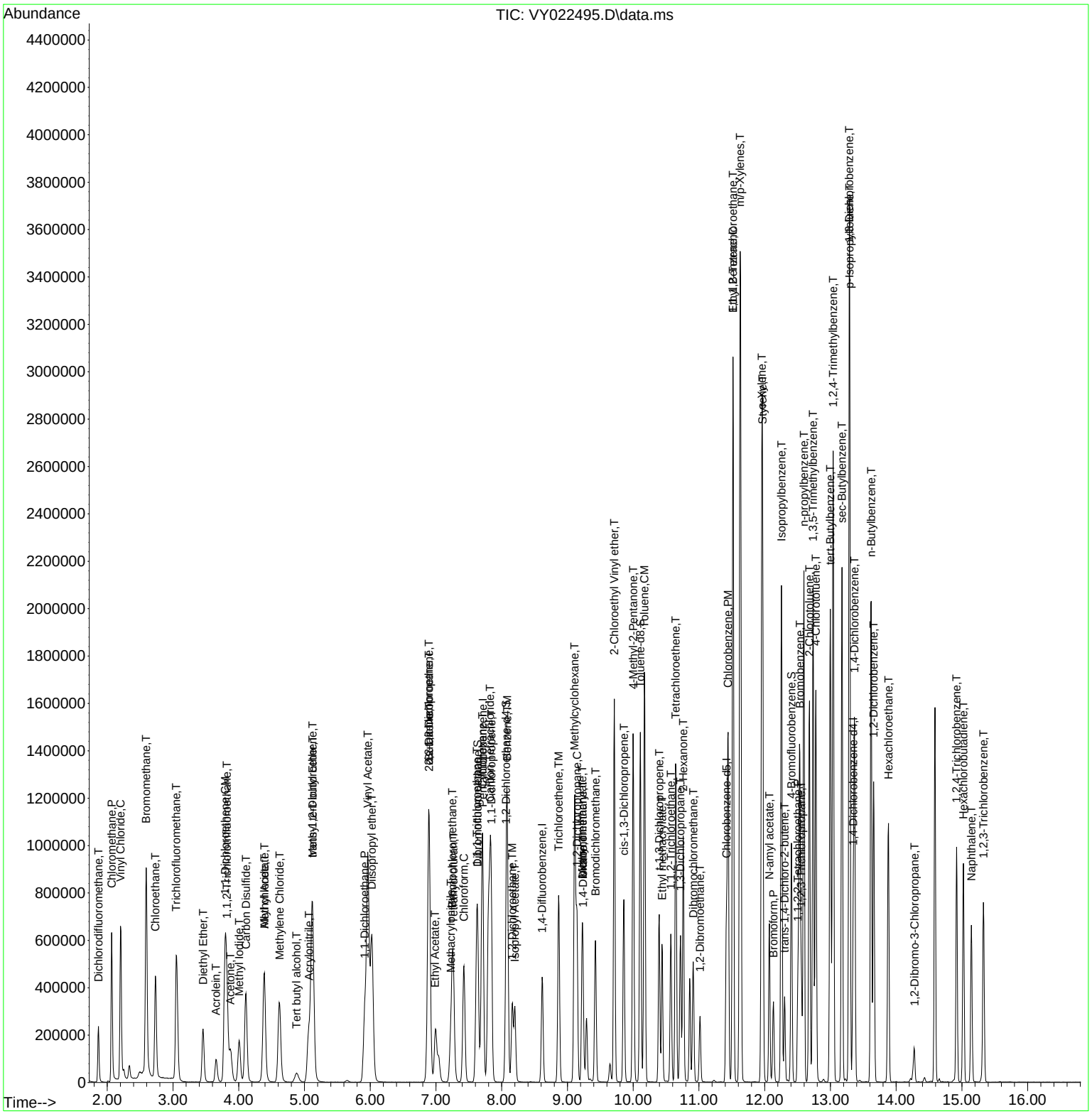
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

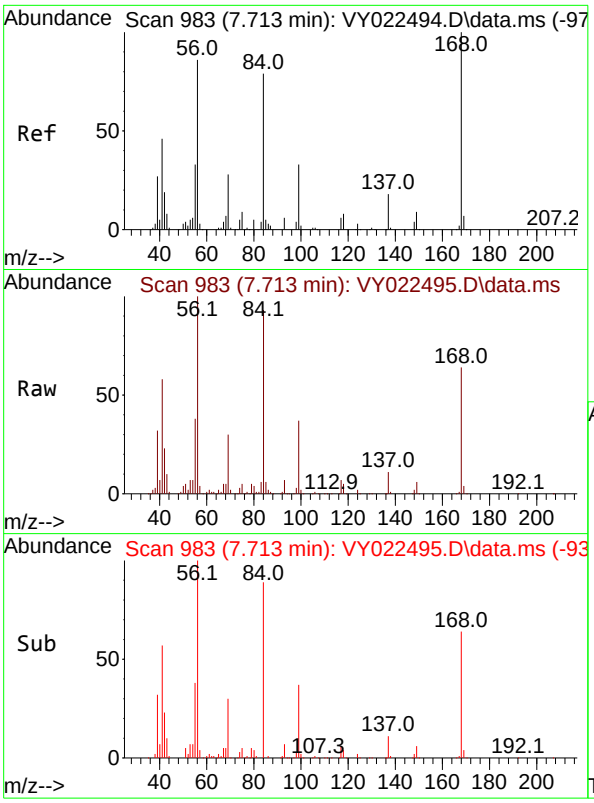
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022495.D
Acq On : 02 Jun 2025 13:17
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Jun 03 02:56:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration



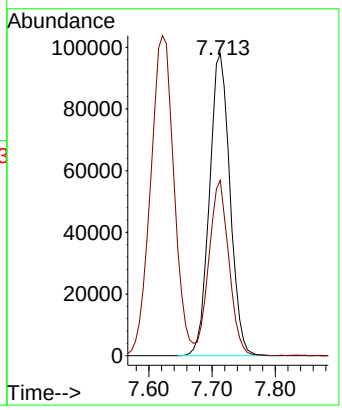


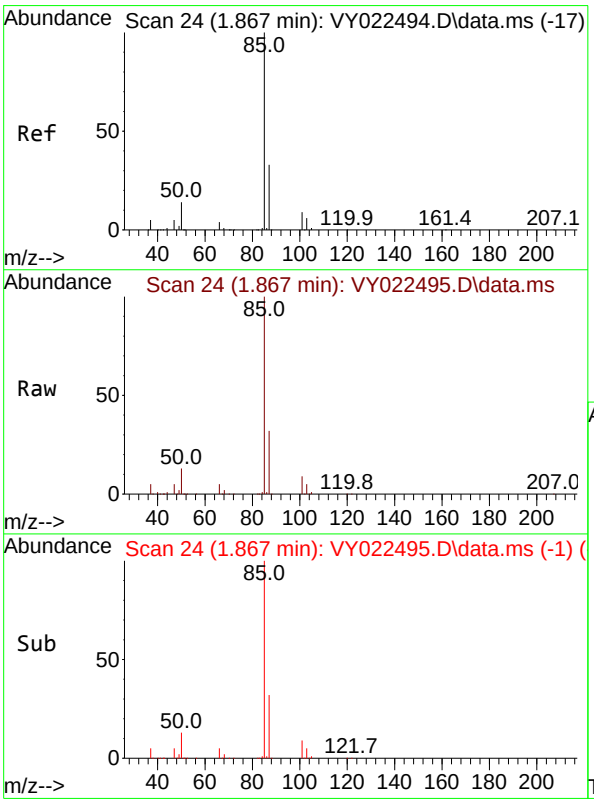
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 220566

Ion	Ratio	Lower	Upper
168	100		
99	58.1	44.3	66.5

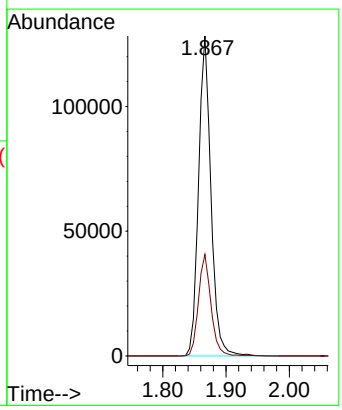


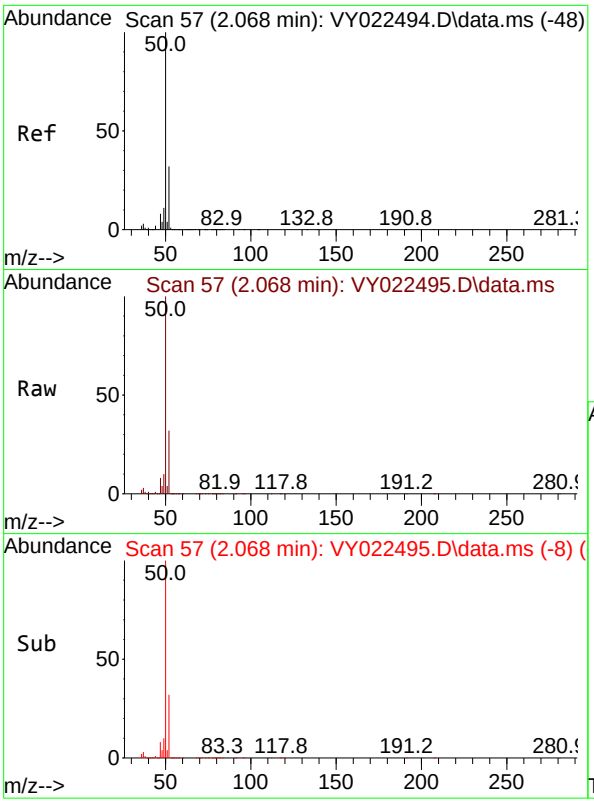


#2
Dichlorodifluoromethane
Concen: 90.872 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 85 Resp: 175145

Ion	Ratio	Lower	Upper
85	100		
87	31.8	16.7	50.0



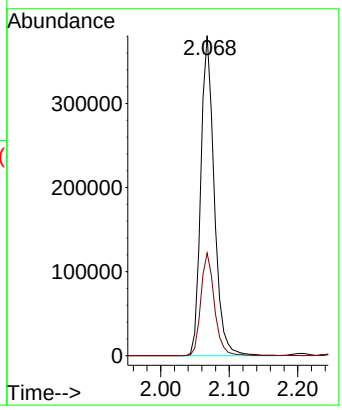


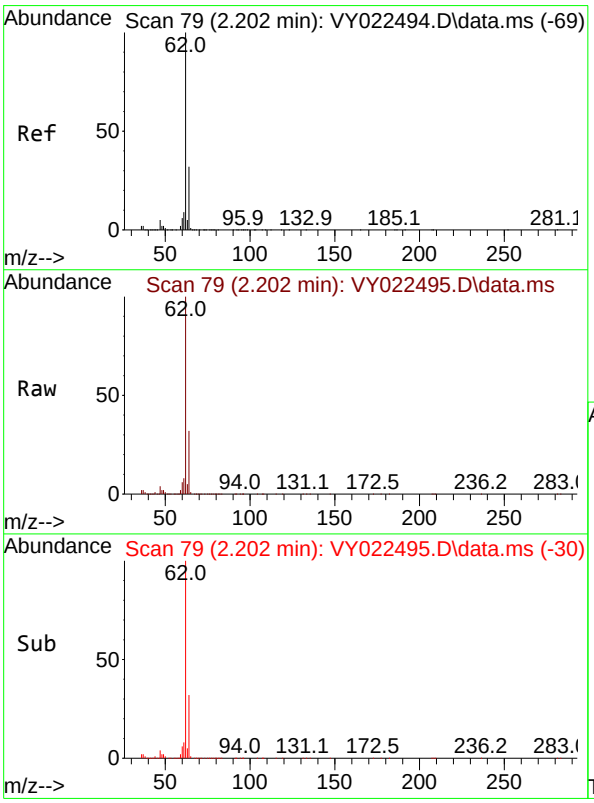
#3
Chloromethane
Concen: 91.429 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 519859

Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.0	39.0

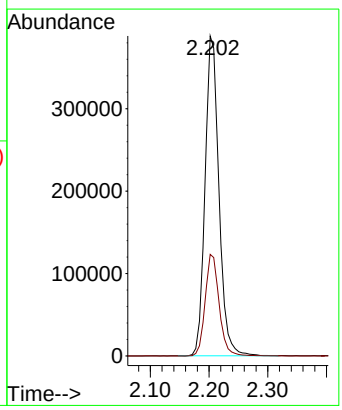


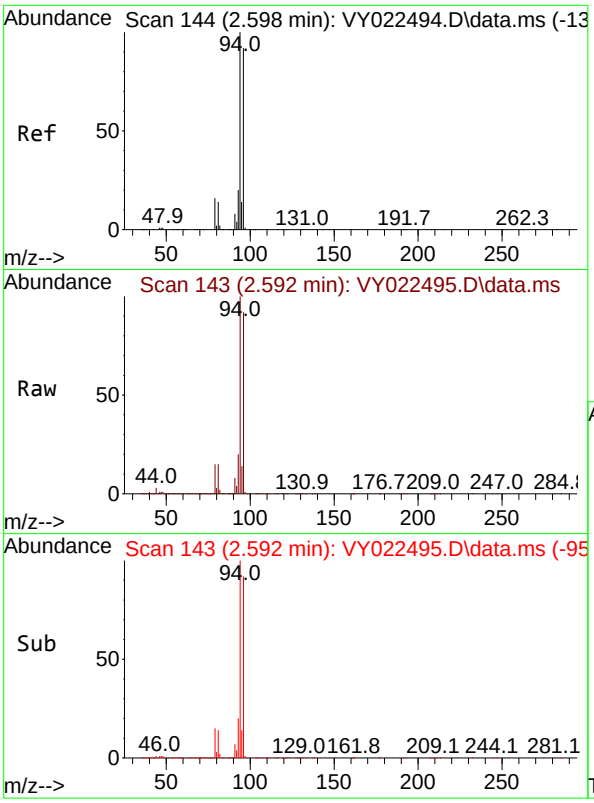


#4
Vinyl Chloride
Concen: 95.695 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 62 Resp: 636843

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.3	37.9



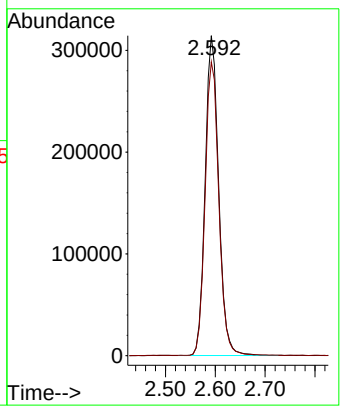


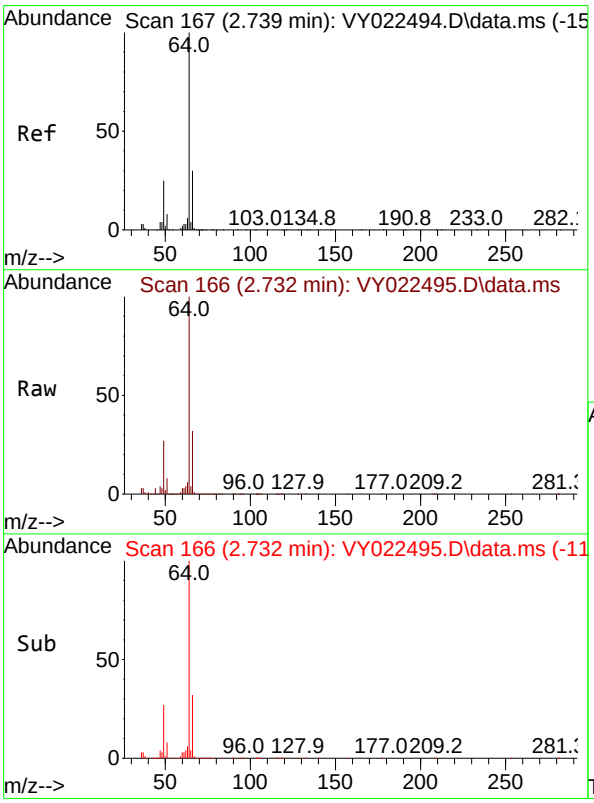
#5
Bromomethane
Concen: 93.980 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 591589

Ion	Ratio	Lower	Upper
94	100		
96	91.7	74.0	111.0

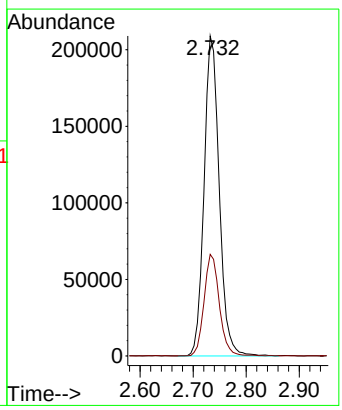


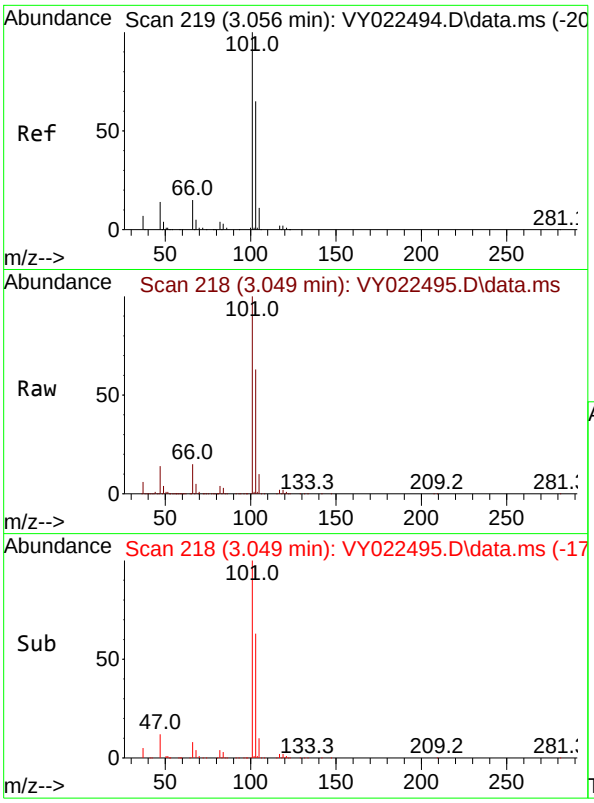


#6
Chloroethane
Concen: 91.070 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 64 Resp: 414935

Ion	Ratio	Lower	Upper
64	100		
66	31.7	23.8	35.6



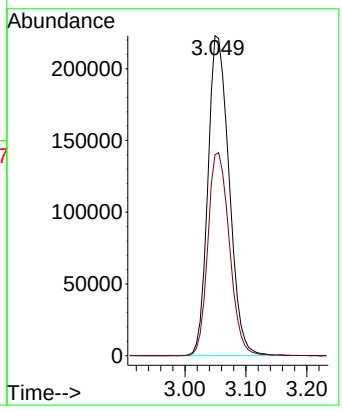


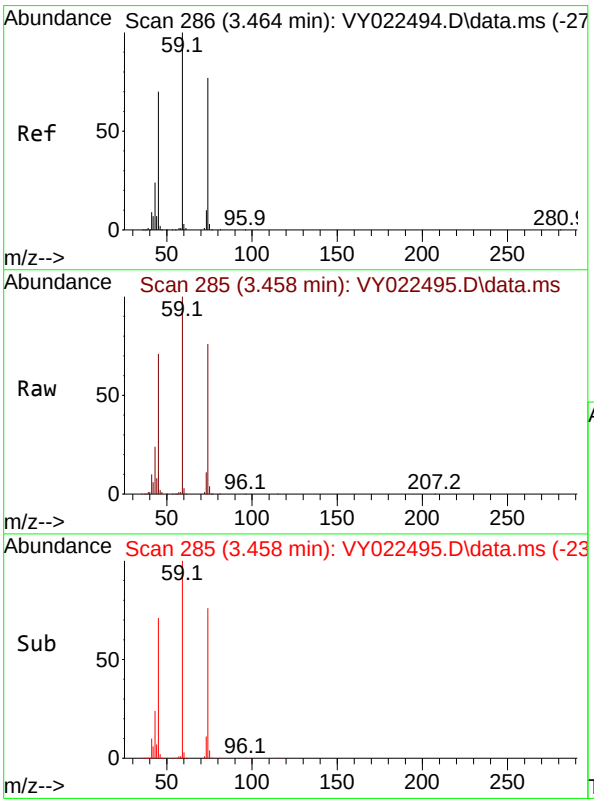
#7
Trichlorofluoromethane
Concen: 95.384 ug/l
RT: 3.049 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 539323

Ion	Ratio	Lower	Upper
101	100		
103	62.8	52.2	78.2

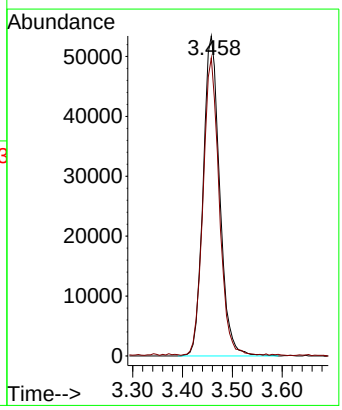


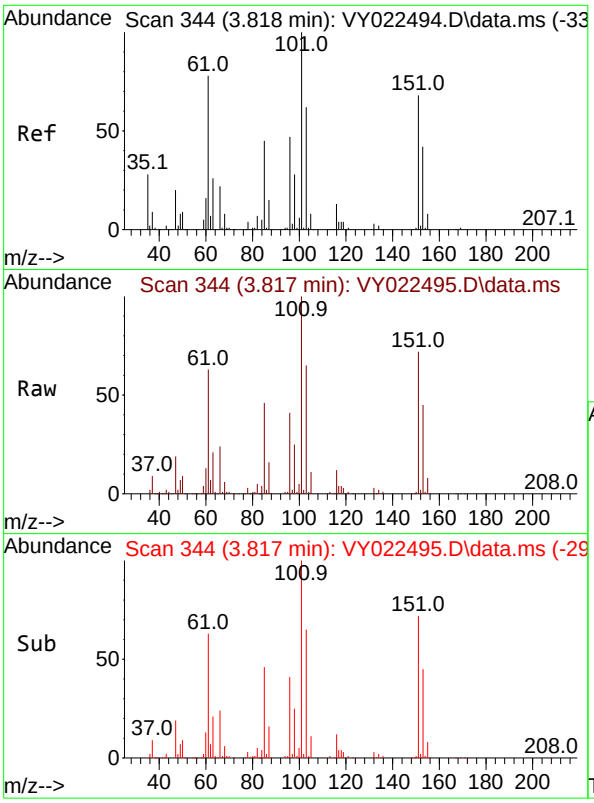


#8
Diethyl Ether
Concen: 98.428 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 74 Resp: 122923

Ion	Ratio	Lower	Upper
74	100		
45	90.6	45.9	137.6



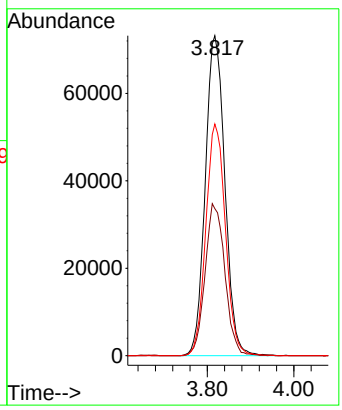


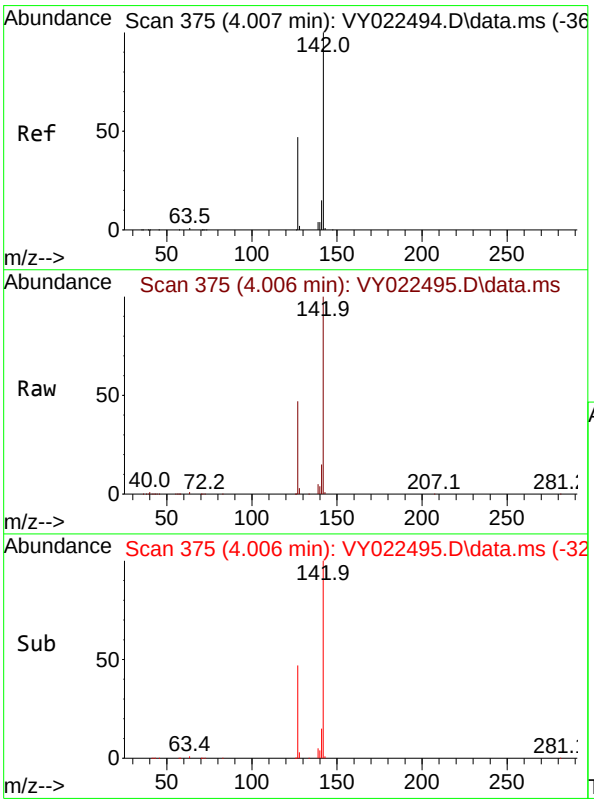
#9
1,1,2-Trichlorotrifluoroethane
Concen: 97.074 ug/l
RT: 3.817 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 230240

Ion	Ratio	Lower	Upper
101	100		
85	48.1	39.3	58.9
151	72.4	57.8	86.8

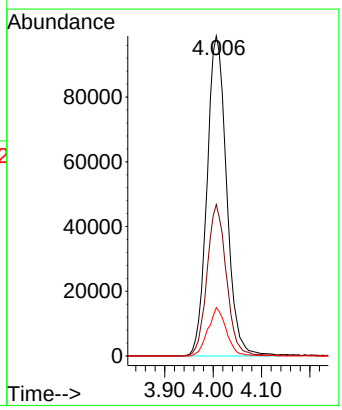


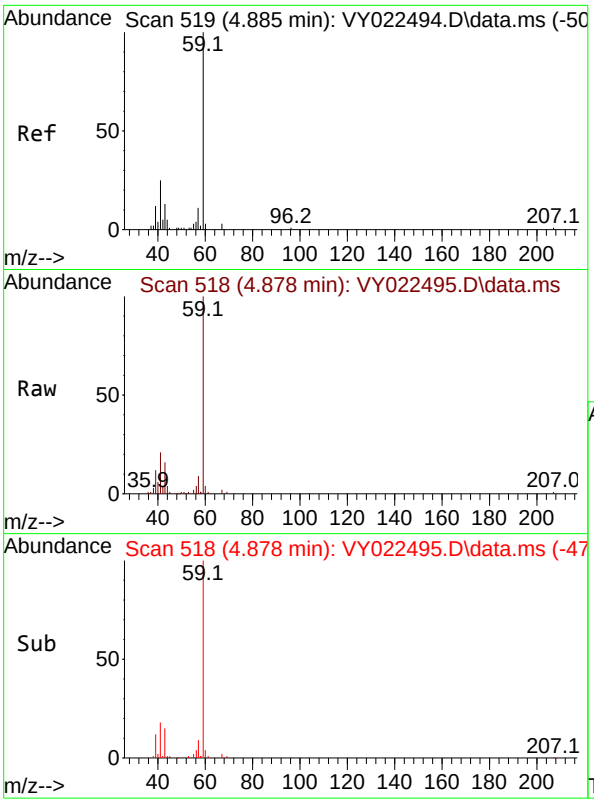


#10
Methyl Iodide
Concen: 109.525 ug/l
RT: 4.006 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:142 Resp: 278576

Ion	Ratio	Lower	Upper
142	100		
127	47.0	37.1	55.7
141	14.2	11.4	17.2



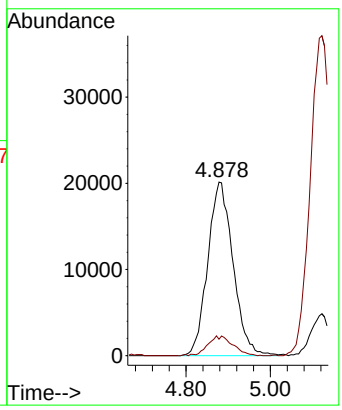


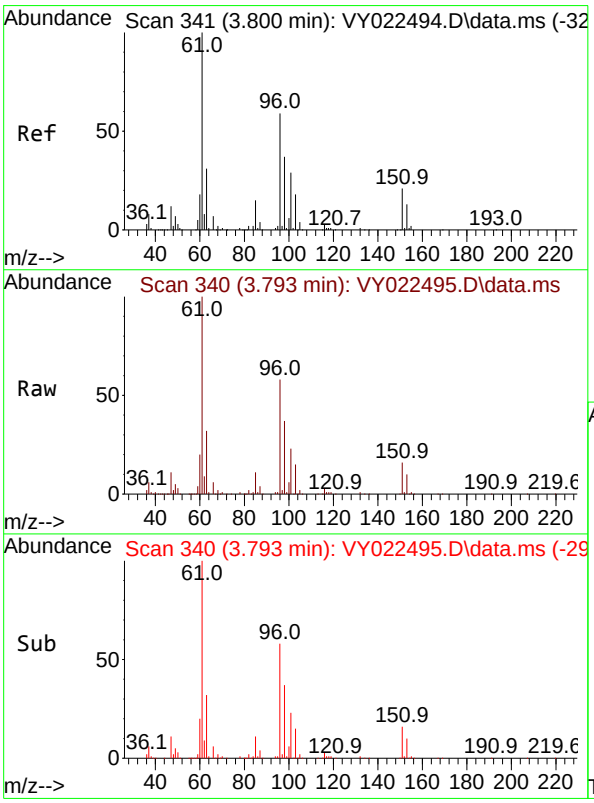
#11
Tert butyl alcohol
Concen: 489.395 ug/l
RT: 4.878 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 83900

Ion	Ratio	Lower	Upper
59	100		
57	5.4	8.0	12.0#

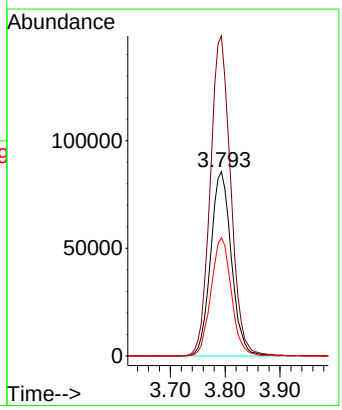


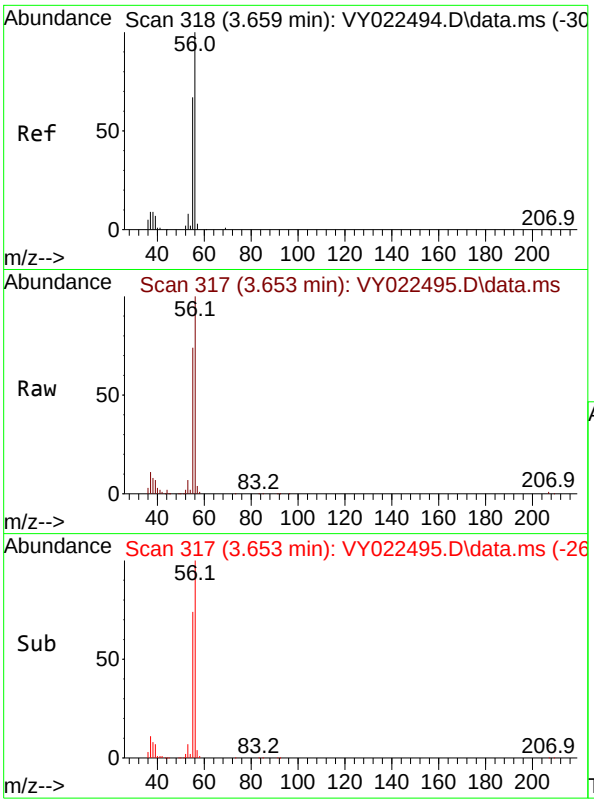


#12
1,1-Dichloroethene
Concen: 99.317 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 96 Resp: 224855

Ion	Ratio	Lower	Upper
96	100		
61	173.6	134.6	201.8
98	64.1	50.2	75.4



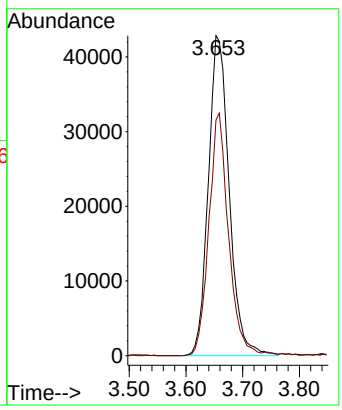


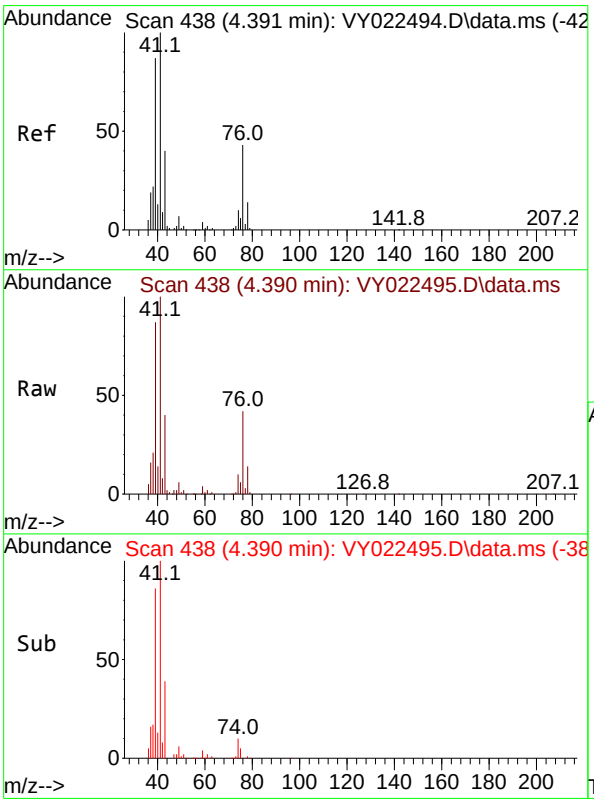
#13
Acrolein
Concen: 522.746 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 109392

Ion	Ratio	Lower	Upper
56	100		
55	71.1	57.0	85.6

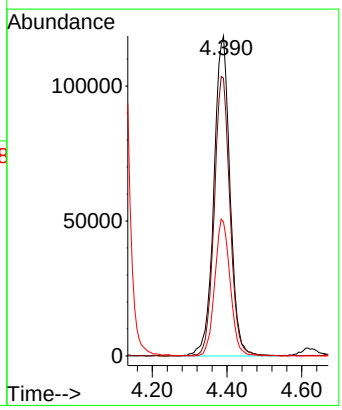


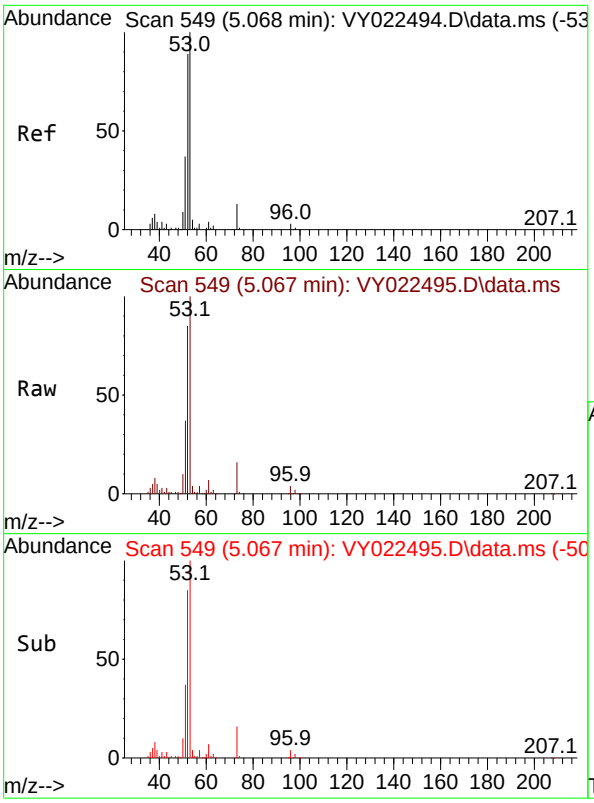


#14
Allyl chloride
Concen: 100.560 ug/l
RT: 4.390 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 41 Resp: 354774

Ion	Ratio	Lower	Upper
41	100		
39	85.0	69.1	103.7
76	40.8	33.5	50.3



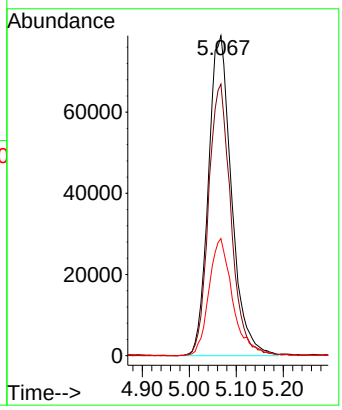


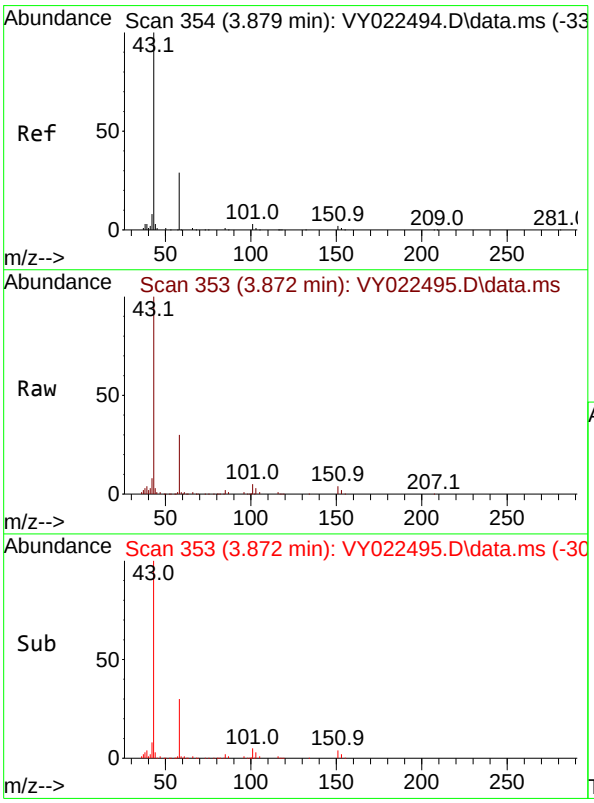
#15
Acrylonitrile
Concen: 507.168 ug/l
RT: 5.067 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 269411

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.7	98.5
51	37.8	30.1	45.1

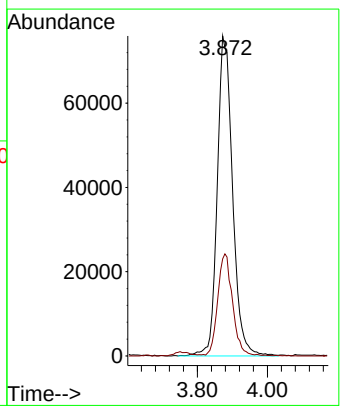


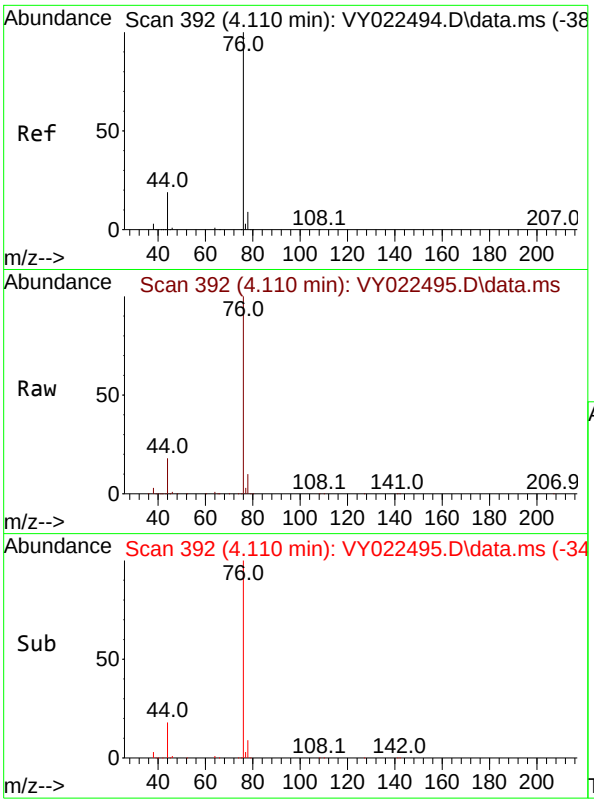


#16
Acetone
Concen: 487.310 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 231202

Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.0	36.0



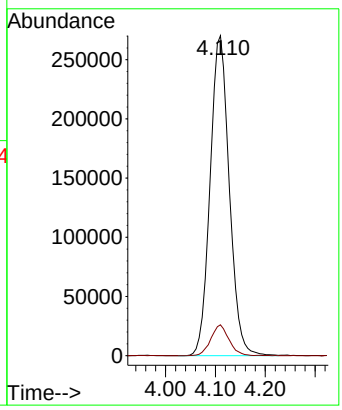


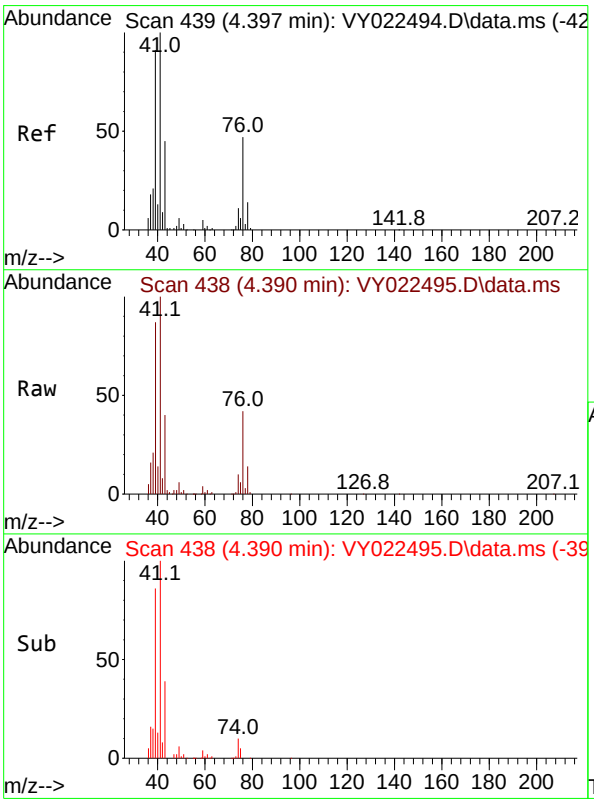
#17
Carbon Disulfide
Concen: 99.952 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 722508

Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.2

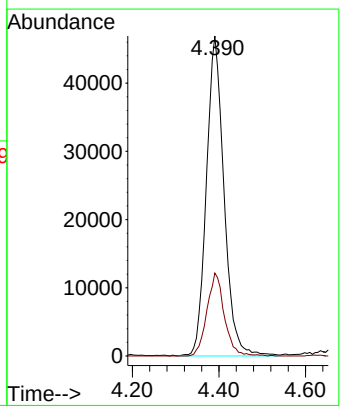


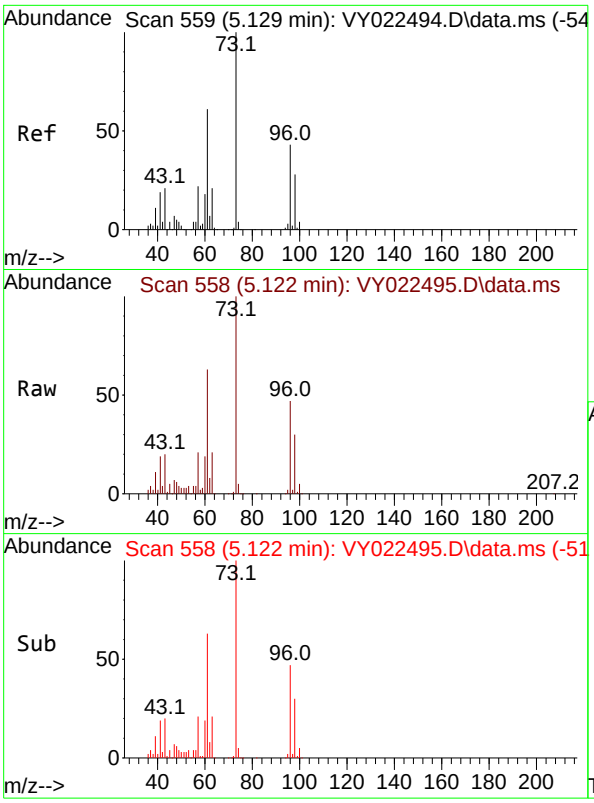


#18
Methyl Acetate
Concen: 92.907 ug/l
RT: 4.390 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 132608

Ion	Ratio	Lower	Upper
43	100		
74	25.5	19.8	29.6



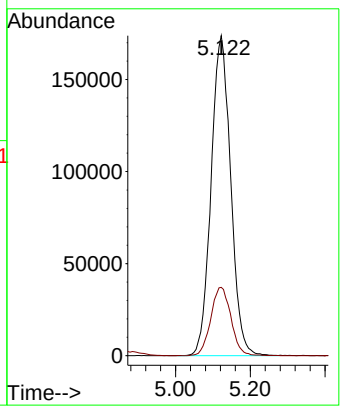


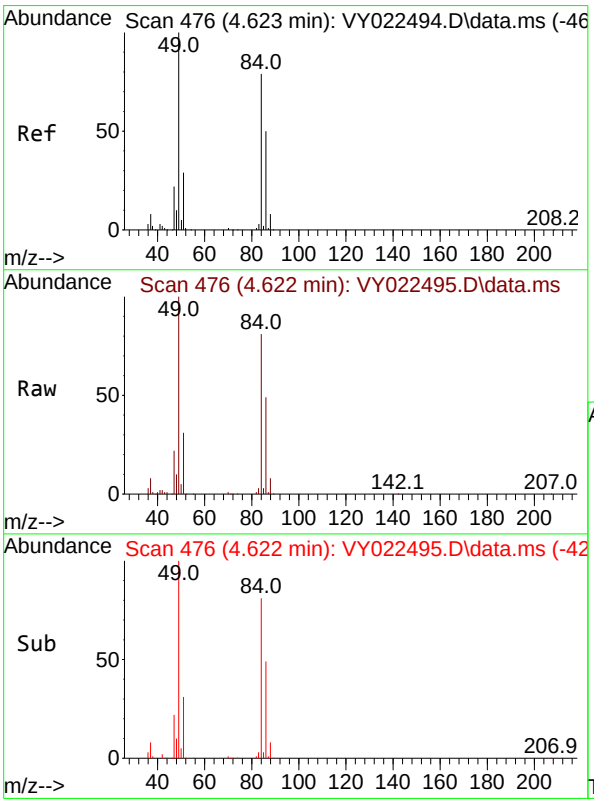
#19
Methyl tert-butyl Ether
Concen: 100.187 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 632873

Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.4	26.0

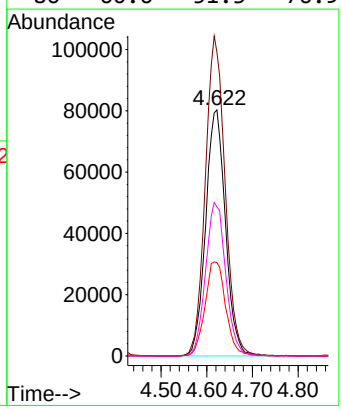


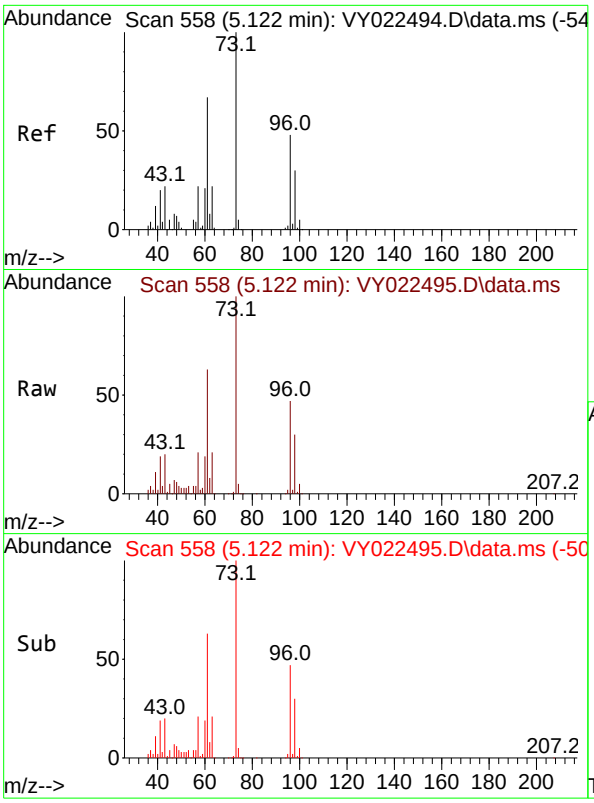


#20
Methylene Chloride
Concen: 91.318 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 84 Resp: 241903

Ion	Ratio	Lower	Upper
84	100		
49	123.5	101.9	152.9
51	38.0	29.8	44.8
86	60.6	51.3	76.9



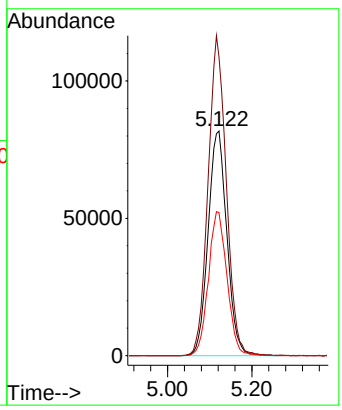


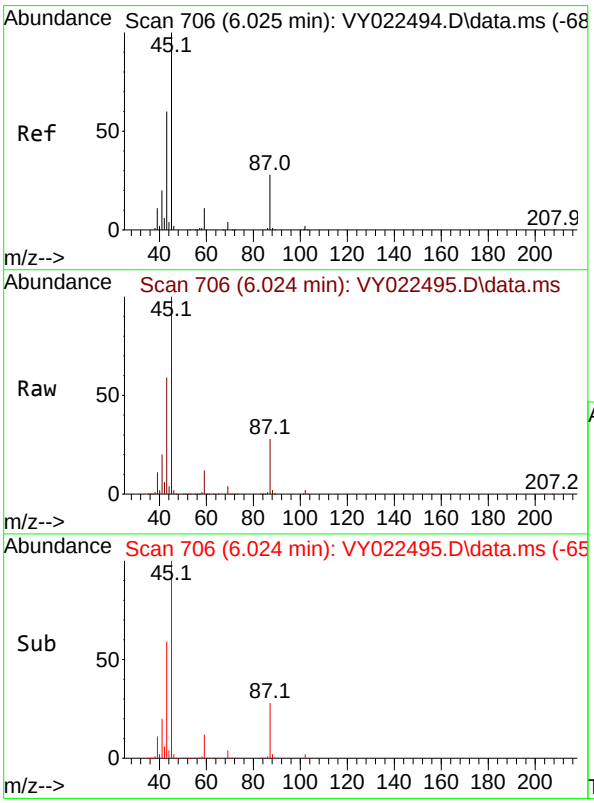
#21
trans-1,2-Dichloroethene
Concen: 100.103 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 253184

Ion	Ratio	Lower	Upper
96	100		
61	132.9	112.6	169.0
98	63.7	50.6	75.8

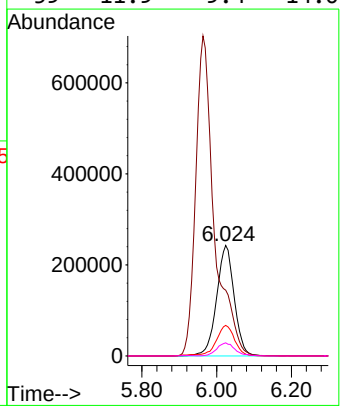


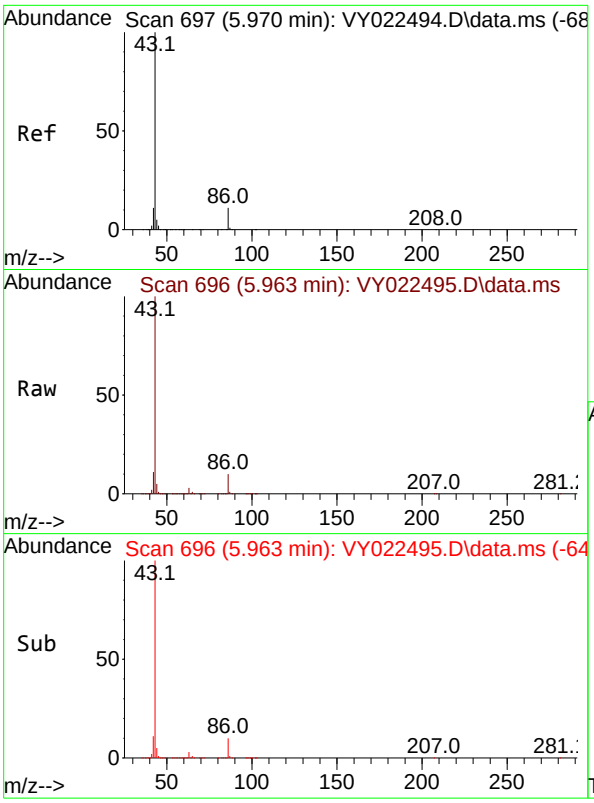


#22
Diisopropyl ether
Concen: 101.232 ug/l
RT: 6.024 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 45 Resp: 794164

Ion	Ratio	Lower	Upper
45	100		
43	59.3	48.3	72.5
87	27.6	23.0	34.6
59	11.9	9.4	14.0



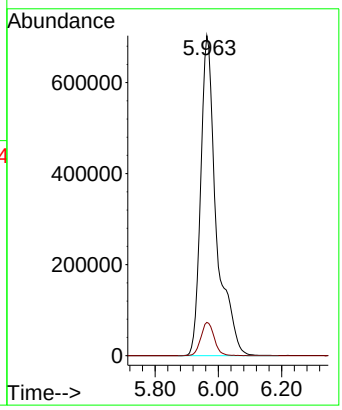


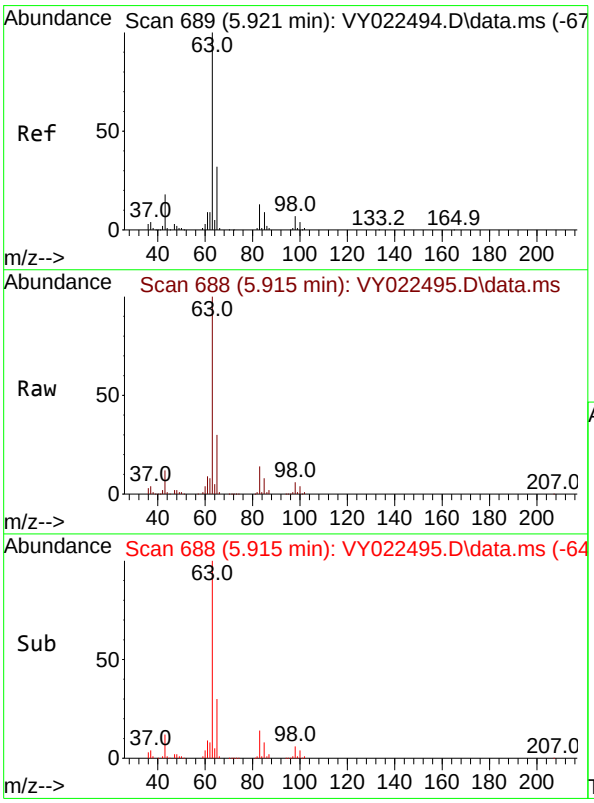
#23
Vinyl Acetate
Concen: 520.866 ug/l
RT: 5.963 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2424134

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.6	12.8

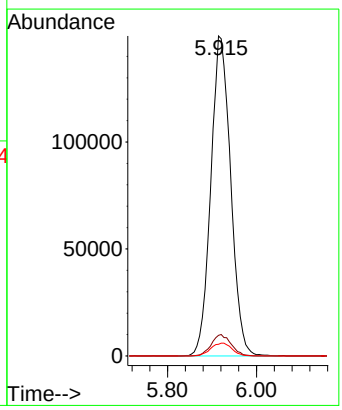


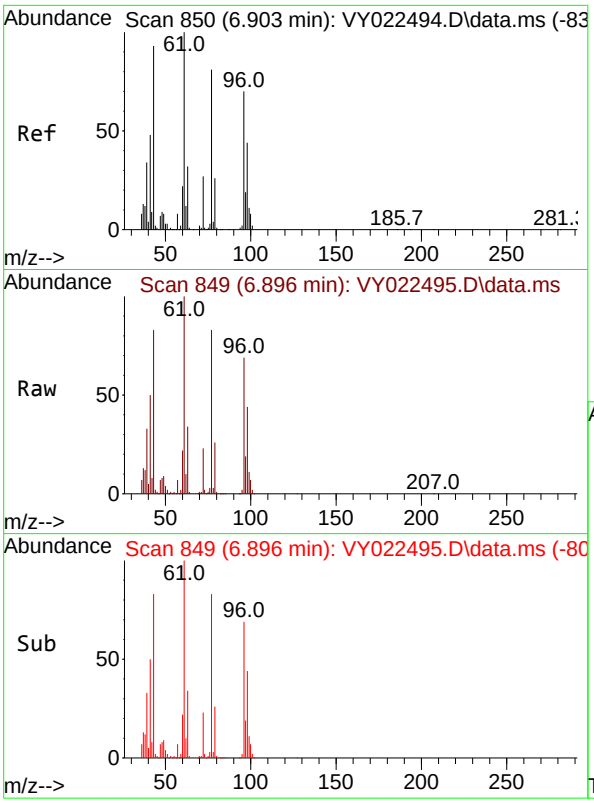


#24
1,1-Dichloroethane
Concen: 99.980 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 63 Resp: 463641

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.1
100	3.7	2.1	6.3



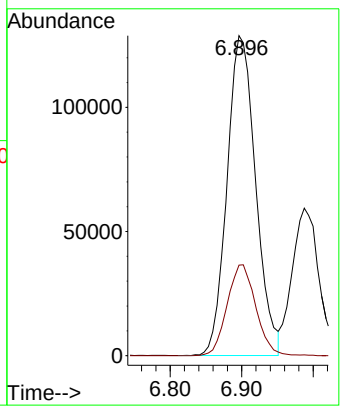


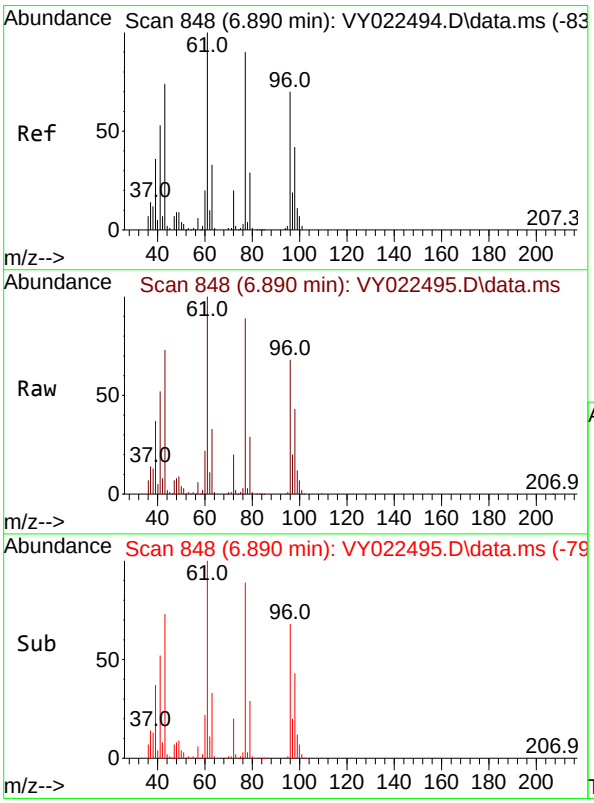
#25
2-Butanone
Concen: 512.798 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 358881

Ion	Ratio	Lower	Upper
43	100		
72	28.3	22.9	34.3

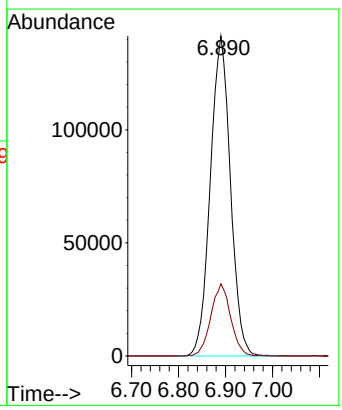


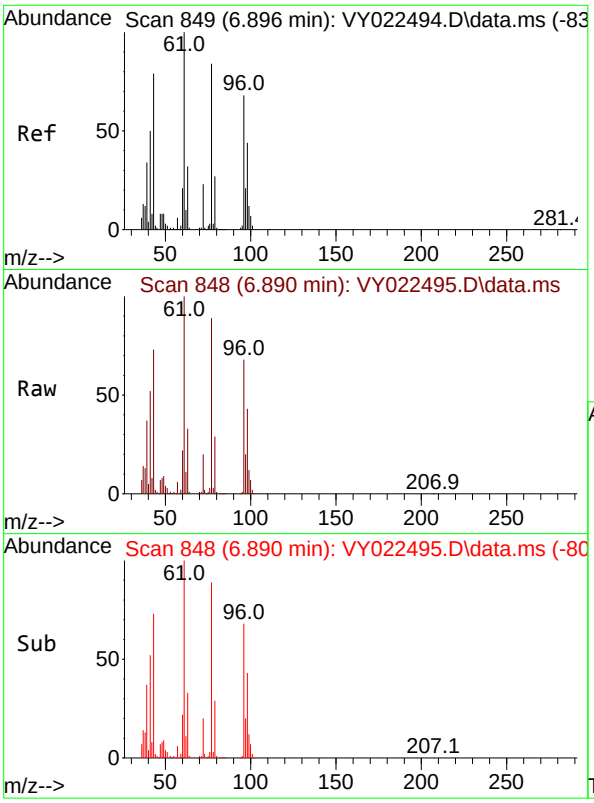


#26
2,2-Dichloropropane
Concen: 101.961 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 77 Resp: 420323

Ion	Ratio	Lower	Upper
77	100		
97	22.2	11.4	34.2



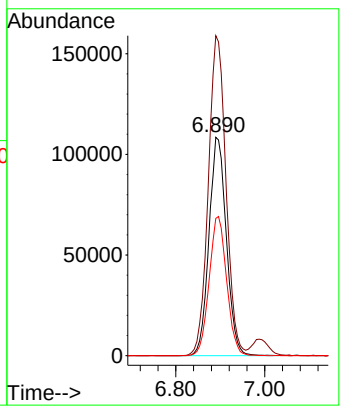


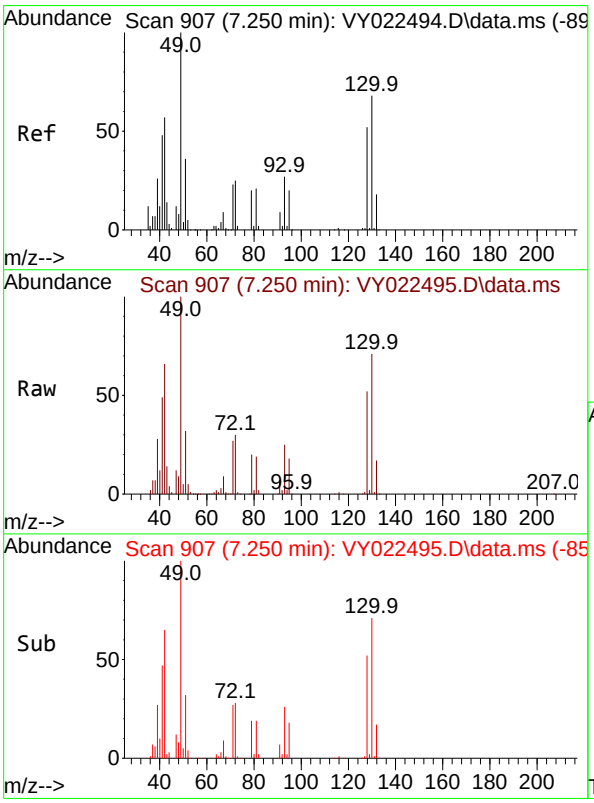
#27
cis-1,2-Dichloroethene
Concen: 100.858 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 294837

Ion	Ratio	Lower	Upper
96	100		
61	149.1	0.0	290.0
98	64.1	0.0	128.4

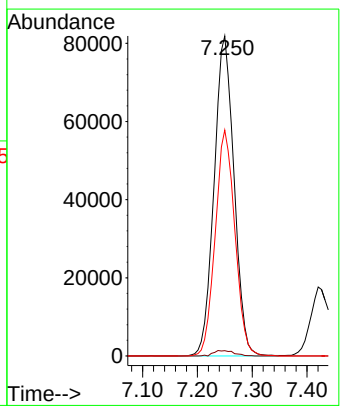


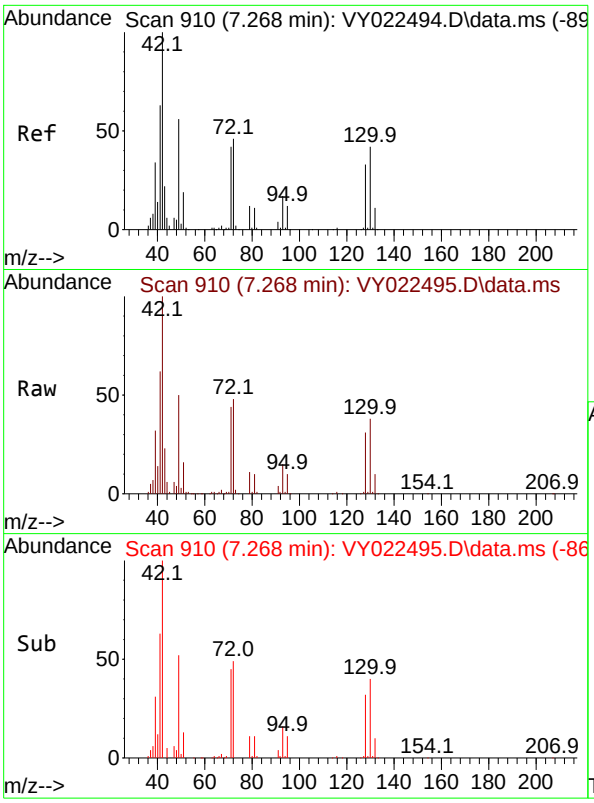


#28
Bromochloromethane
Concen: 103.263 ug/l
RT: 7.250 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 49 Resp: 206906

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	69.7	55.7	83.5



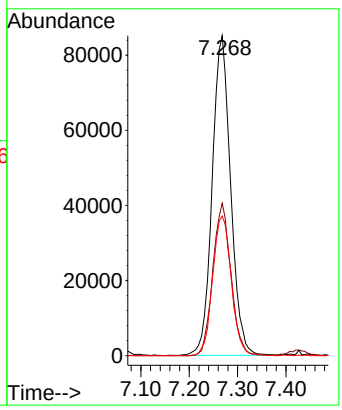


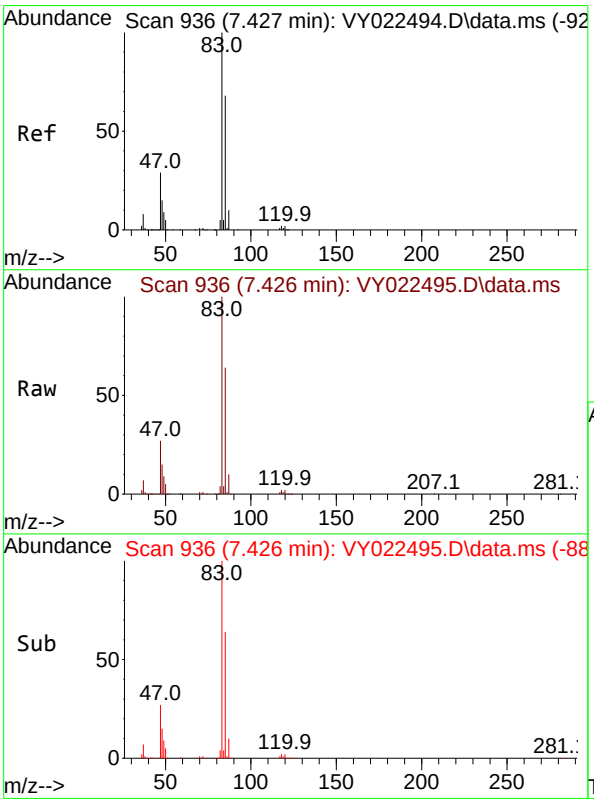
#29
Tetrahydrofuran
Concen: 501.243 ug/l
RT: 7.268 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 226299

Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.4	56.2
71	44.1	34.2	51.2

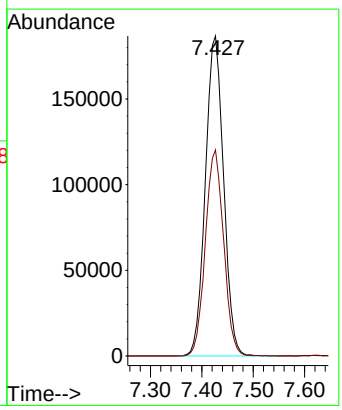


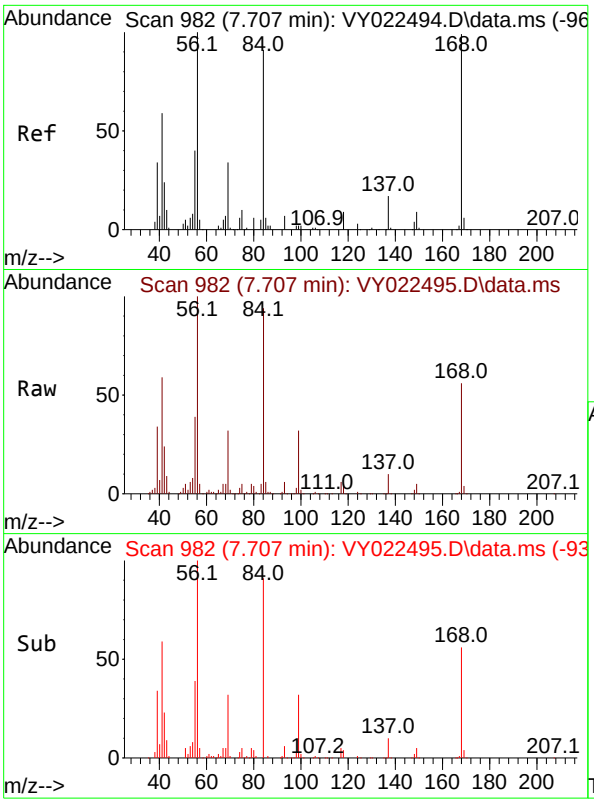


#30
Chloroform
Concen: 100.373 ug/l
RT: 7.426 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 83 Resp: 459957

Ion	Ratio	Lower	Upper
83	100		
85	64.4	54.2	81.4



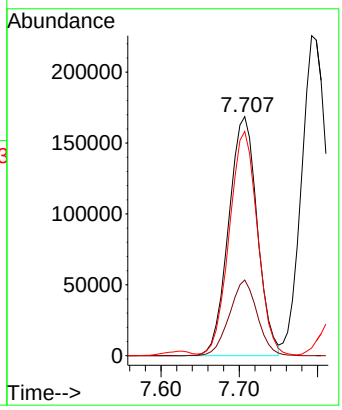


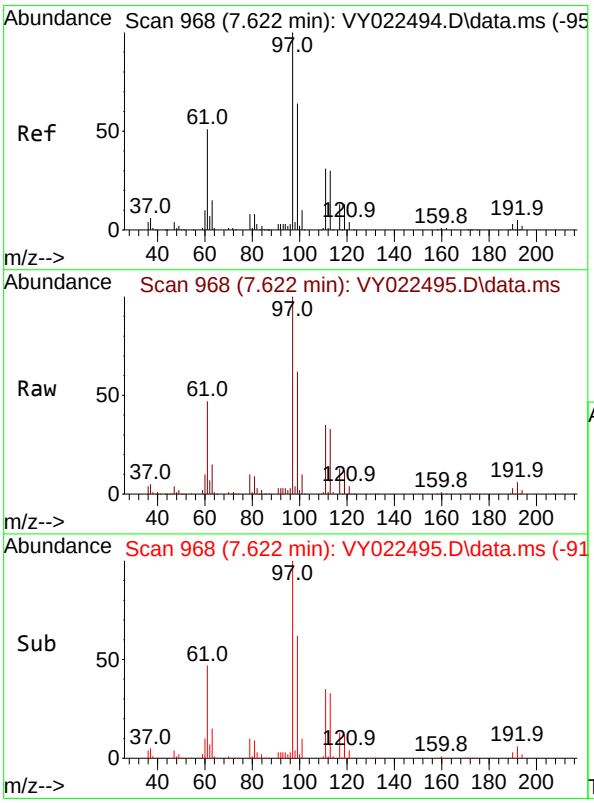
#31
Cyclohexane
Concen: 91.723 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 428074

Ion	Ratio	Lower	Upper
56	100		
69	31.6	27.0	40.6
84	91.9	72.6	109.0

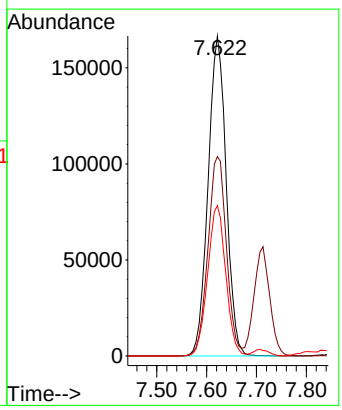


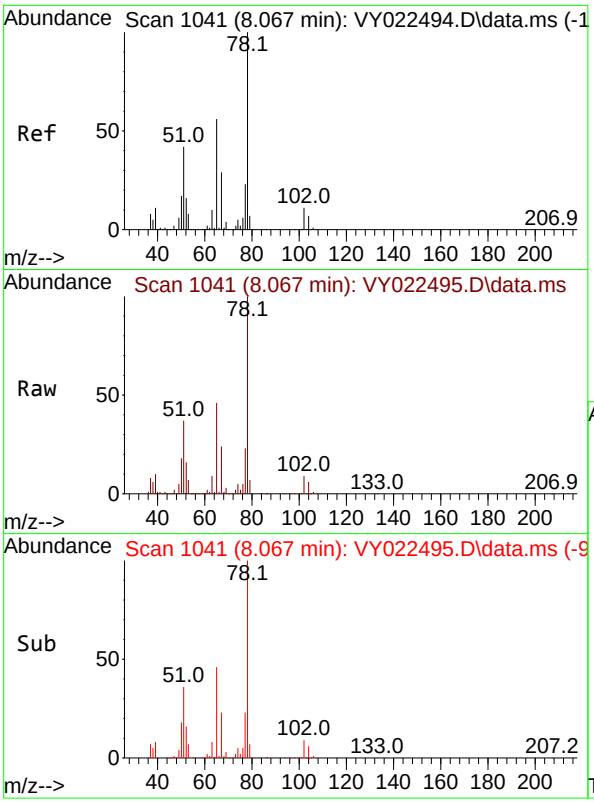


#32
1,1,1-Trichloroethane
Concen: 102.410 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 97 Resp: 419389

Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.9	76.3
61	47.3	38.5	57.7



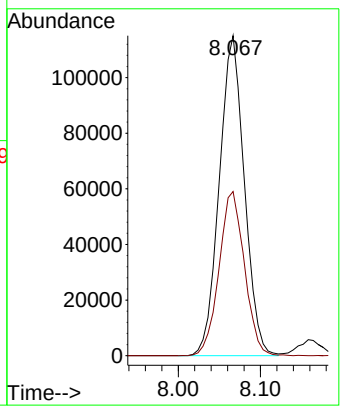


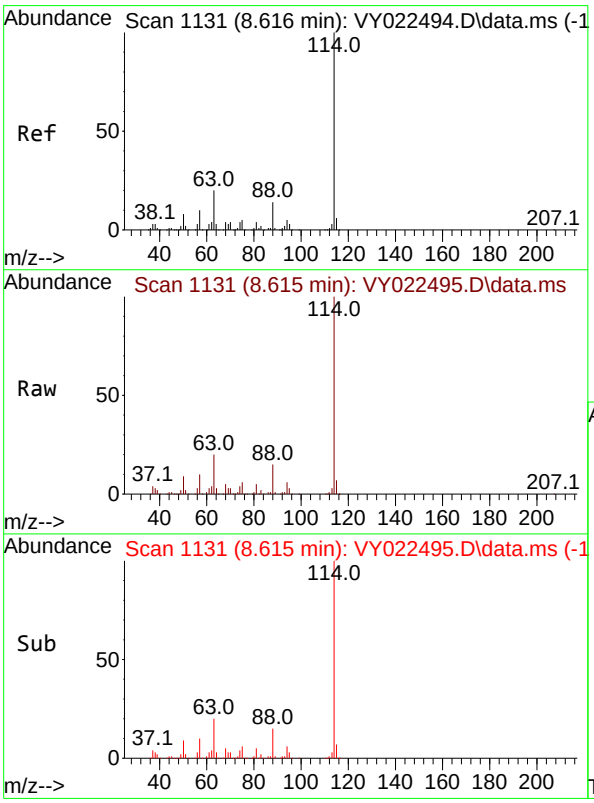
#33
1,2-Dichloroethane-d4
Concen: 101.553 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 243724

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.4

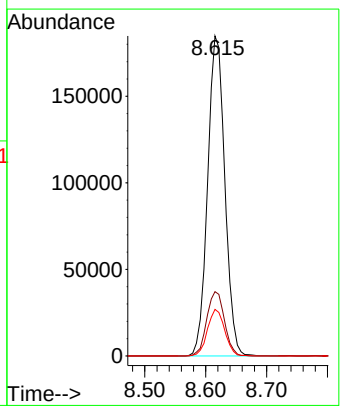


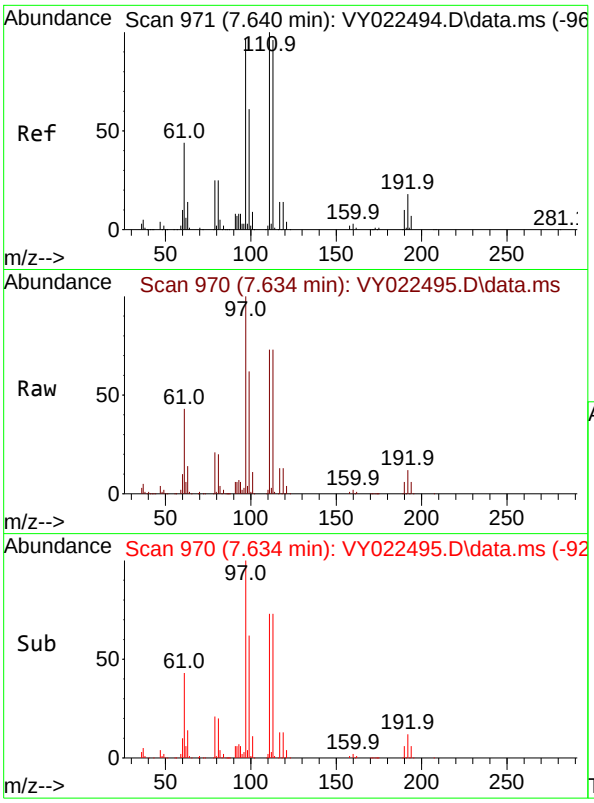


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:114 Resp: 362519

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.8
88	14.5	0.0	27.8



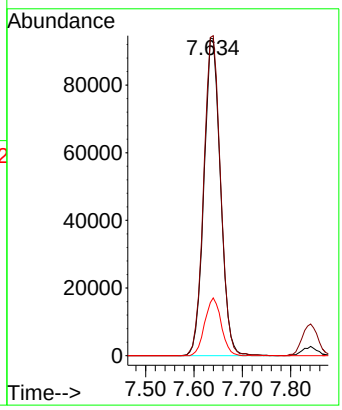


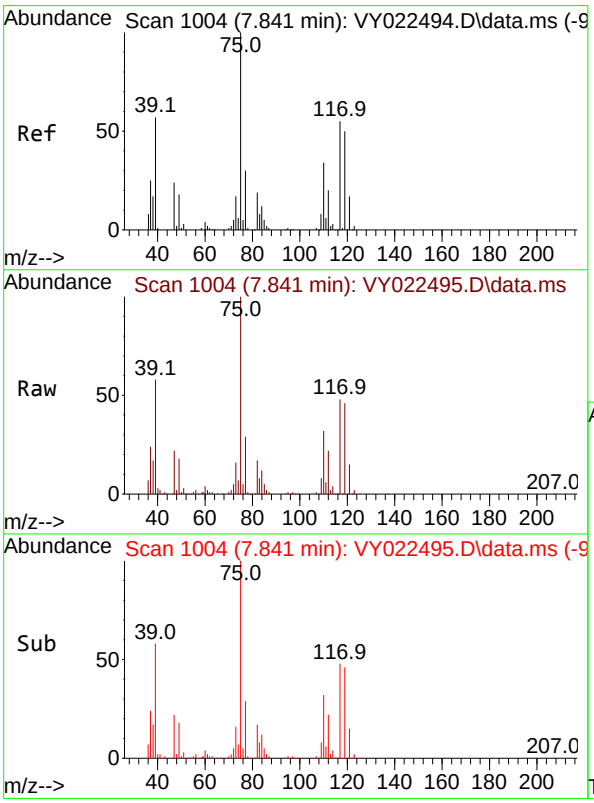
#35
Dibromofluoromethane
Concen: 104.234 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 222443

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.1	121.7
192	18.2	14.2	21.2

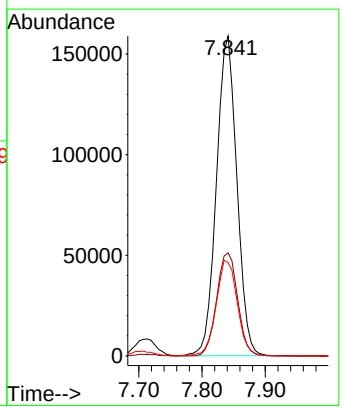


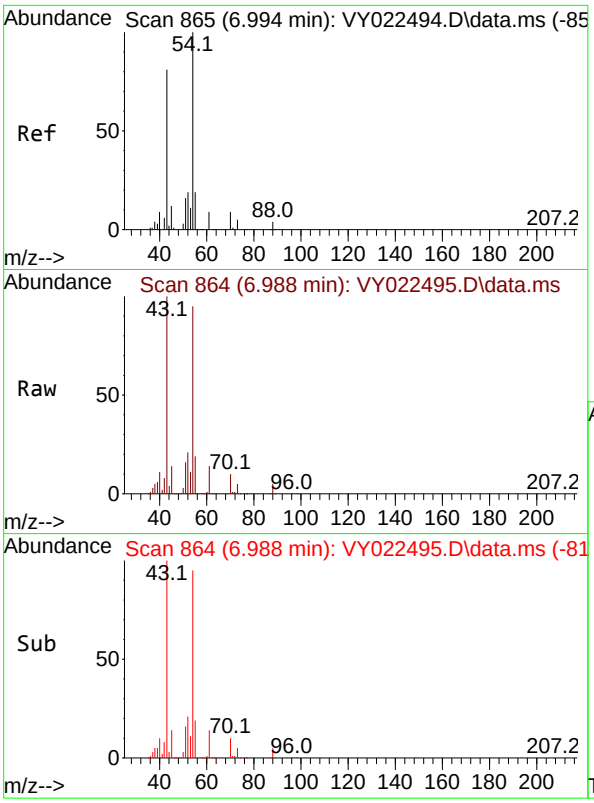


#36
1,1-Dichloropropene
Concen: 103.070 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 75 Resp: 355563

Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.9	50.7
77	31.1	24.8	37.2



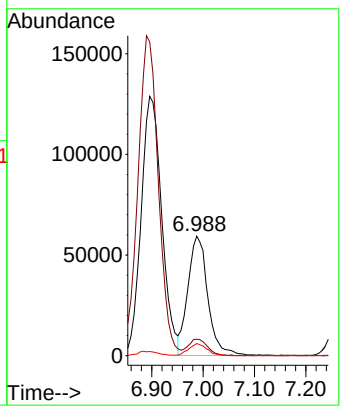


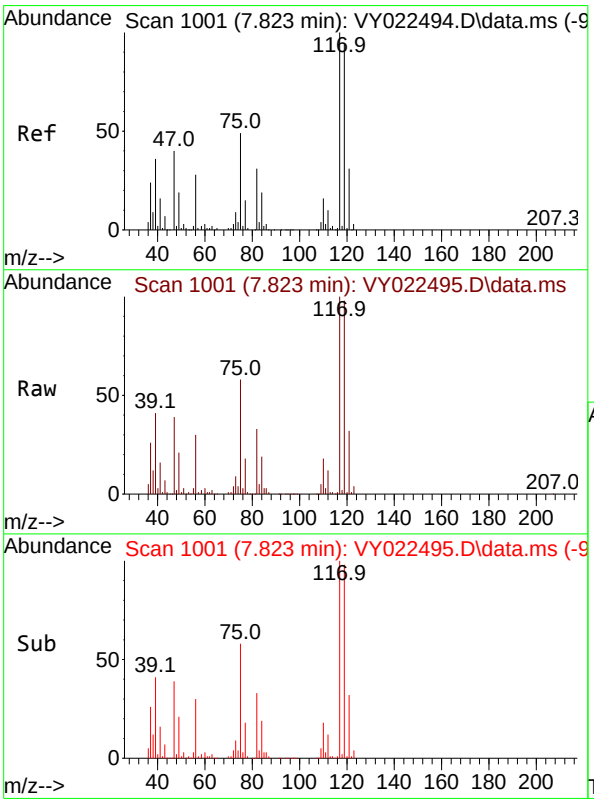
#37
Ethyl Acetate
Concen: 105.336 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 159922

Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.5	17.3
70	9.3	7.2	10.8

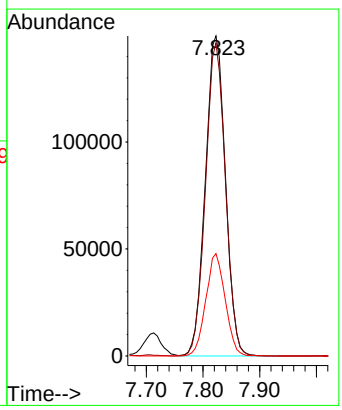


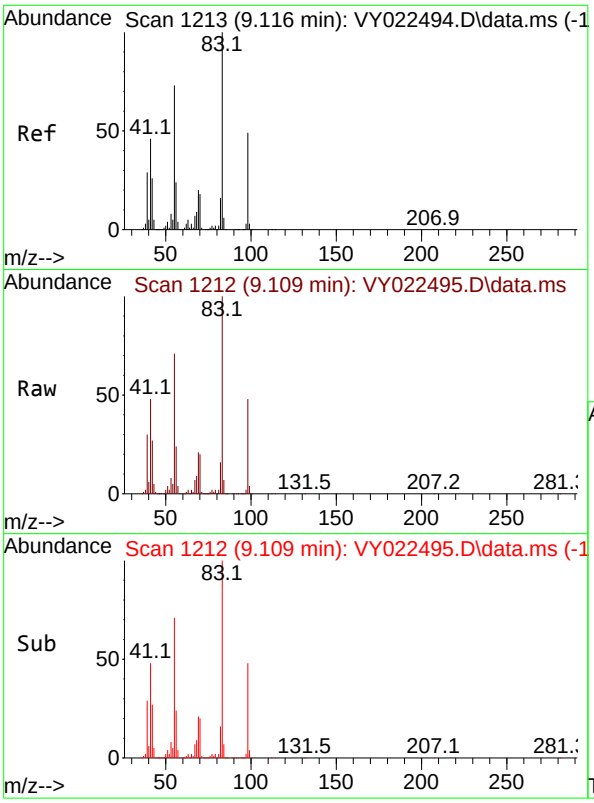


#38
Carbon Tetrachloride
Concen: 103.651 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:117 Resp: 368617

Ion	Ratio	Lower	Upper
117	100		
119	97.9	75.0	112.6
121	32.0	25.0	37.4



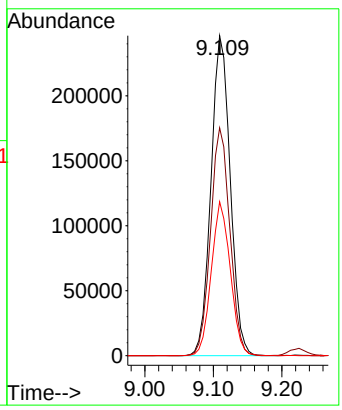


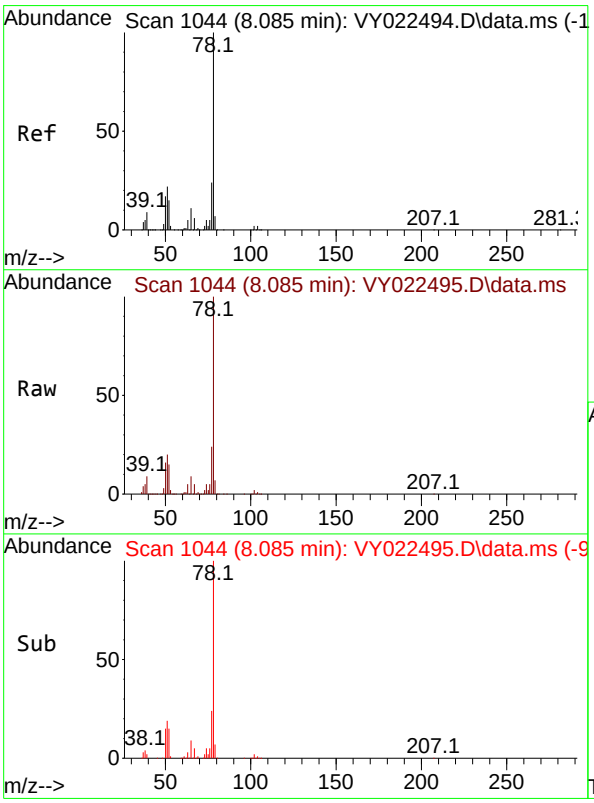
#39
Methylcyclohexane
Concen: 103.323 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 481512

Ion	Ratio	Lower	Upper
83	100		
55	71.2	58.1	87.1
98	48.1	39.0	58.6

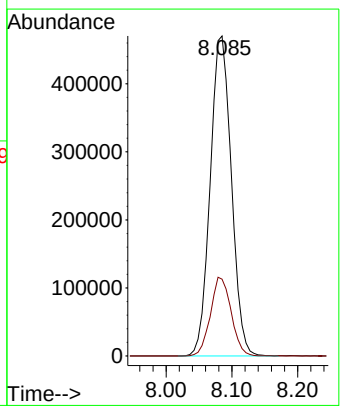


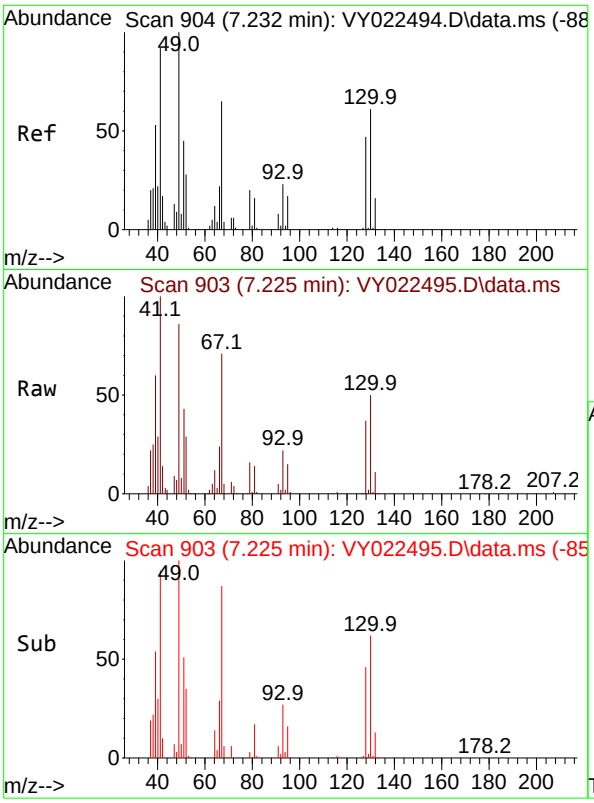


#40
Benzene
Concen: 103.542 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 78 Resp: 1052881

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9



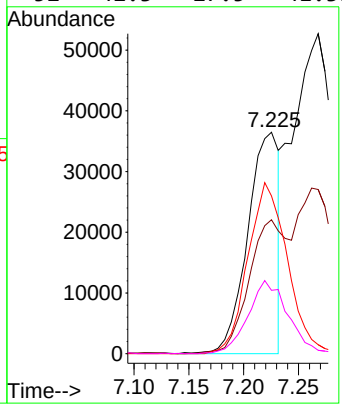


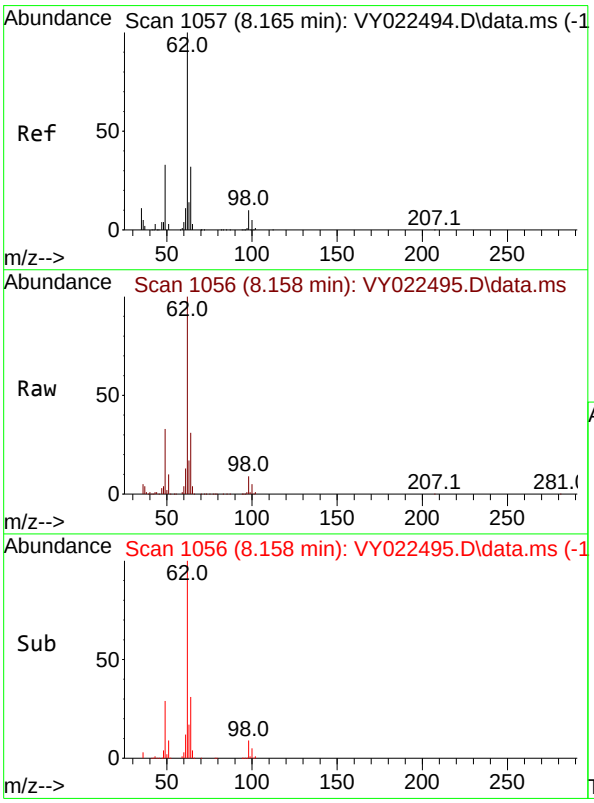
#41
Methacrylonitrile
Concen: 74.162 ug/l
RT: 7.225 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 72513

Ion	Ratio	Lower	Upper
41	100		
39	77.5	46.6	69.8#
67	97.5	63.3	94.9#
52	42.3	27.5	41.3#

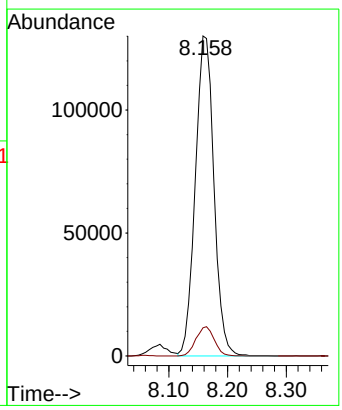


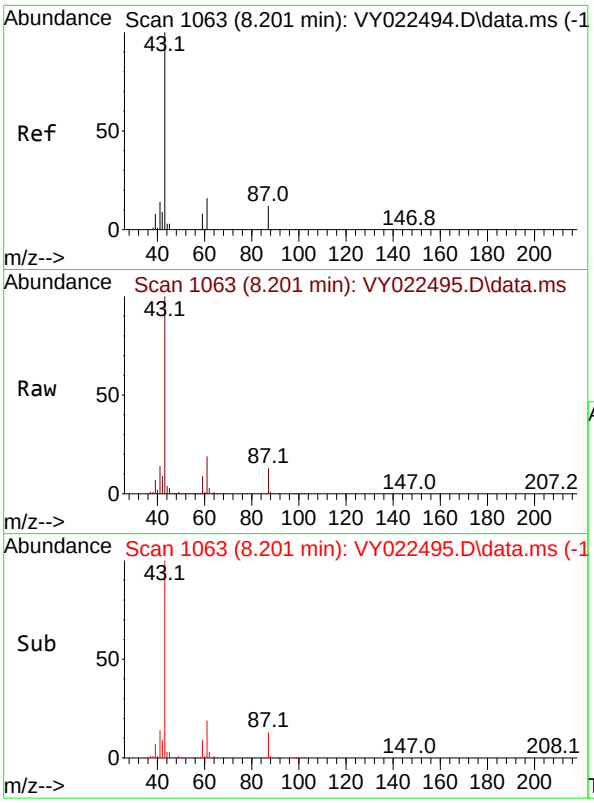


#42
1,2-Dichloroethane
Concen: 103.504 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 62 Resp: 286305

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	19.2



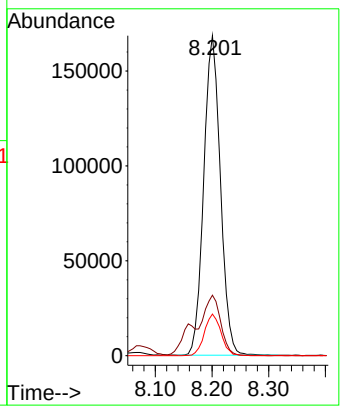


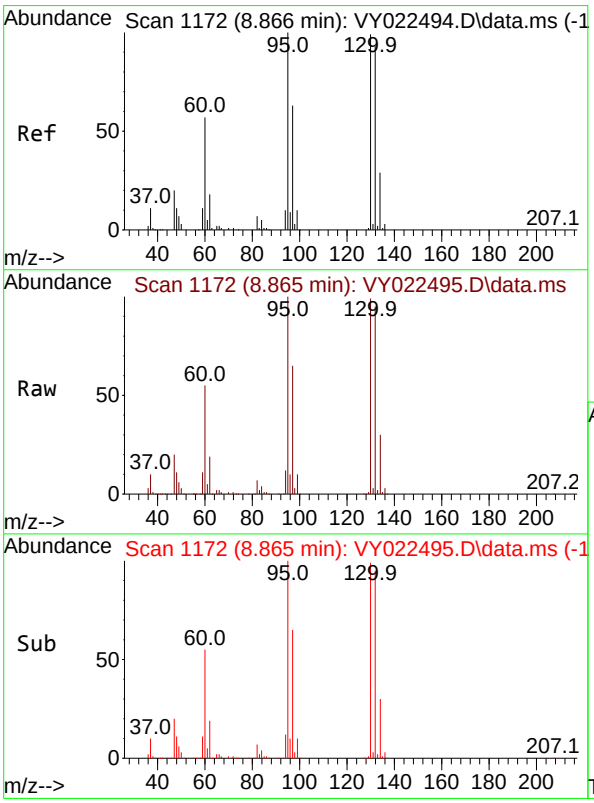
#43
Isopropyl Acetate
Concen: 103.721 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 344110

Ion	Ratio	Lower	Upper
43	100		
61	20.5	15.6	23.4
87	13.0	10.2	15.4

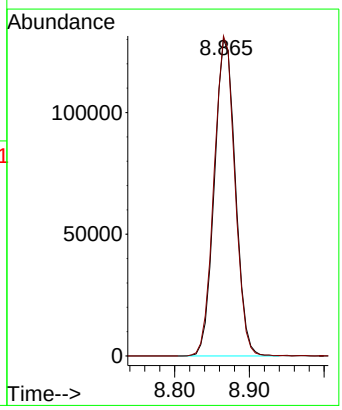


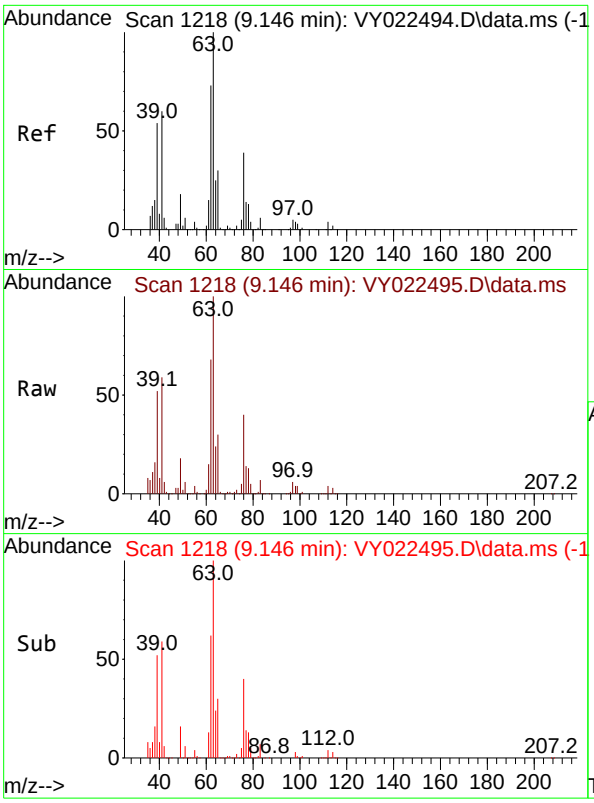


#44
Trichloroethene
Concen: 102.104 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:130 Resp: 253632

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	203.0



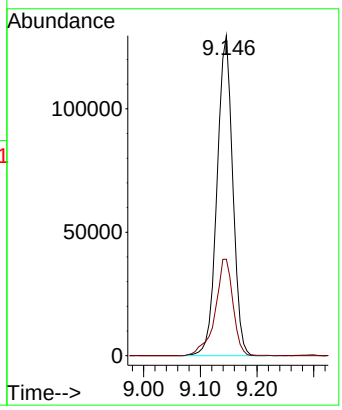


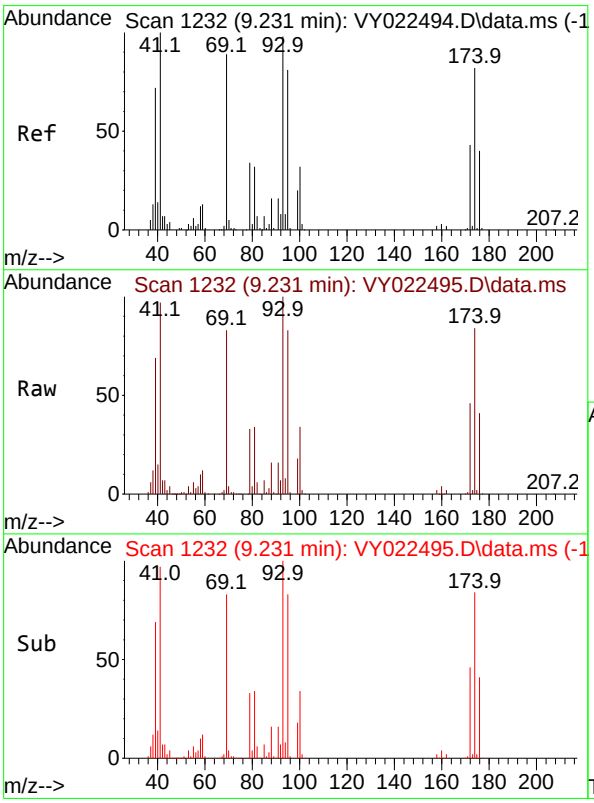
#45
1,2-Dichloropropane
Concen: 102.865 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 249363

Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.0	36.0

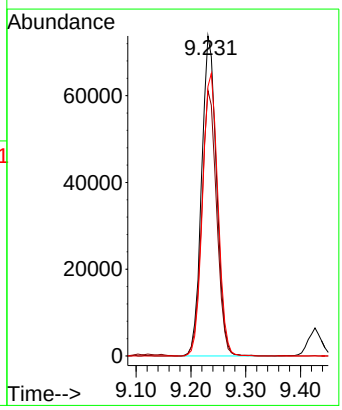


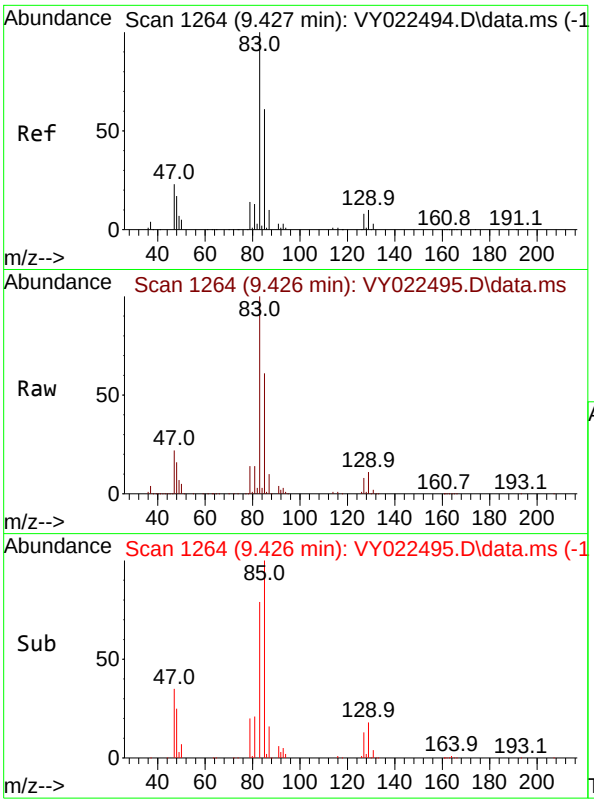


#46
Dibromomethane
Concen: 102.605 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 93 Resp: 139349

Ion	Ratio	Lower	Upper
93	100		
95	82.5	65.6	98.4
174	90.4	70.4	105.6



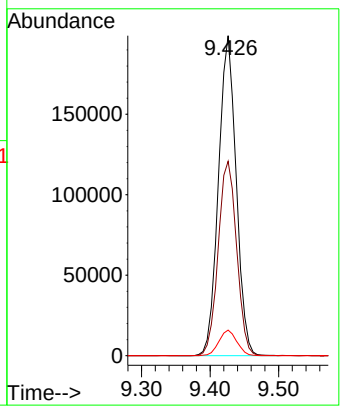


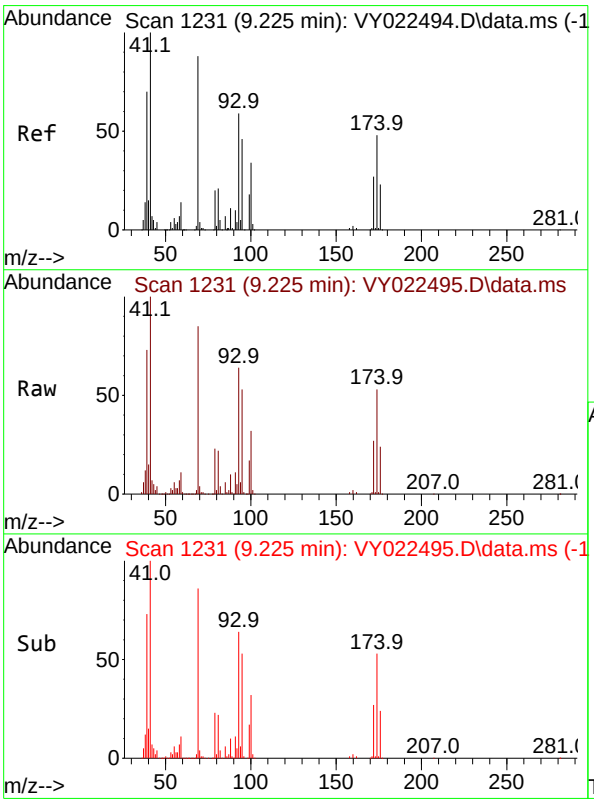
#47
Bromodichloromethane
Concen: 103.321 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 356025

Ion	Ratio	Lower	Upper
83	100		
85	60.7	49.1	73.7
127	8.0	6.2	9.4

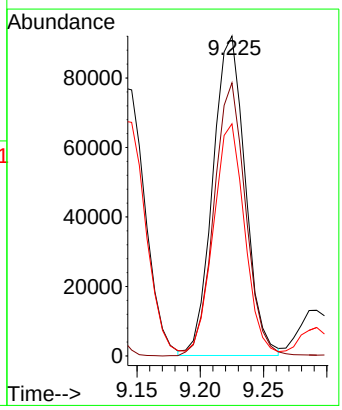


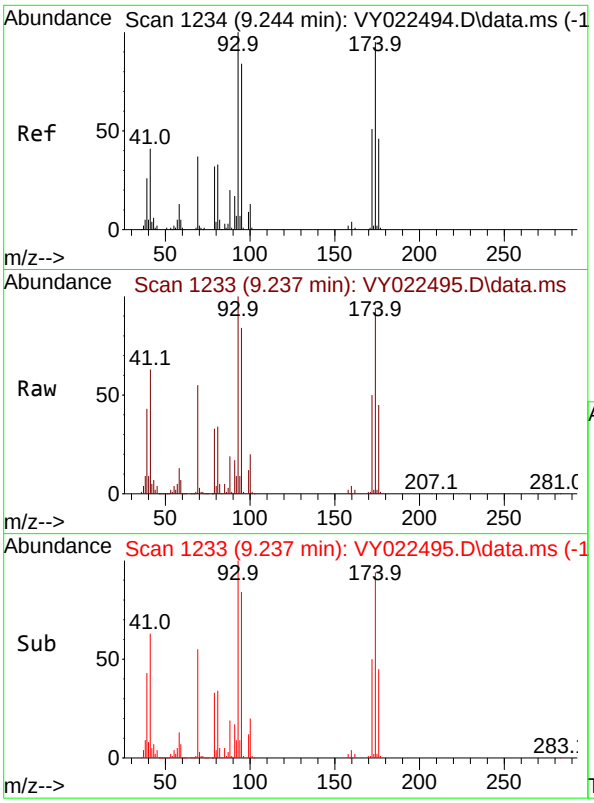


#48
Methyl methacrylate
Concen: 107.875 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 41 Resp: 163867

Ion	Ratio	Lower	Upper
41	100		
69	84.0	67.8	101.8
39	68.0	55.0	82.4



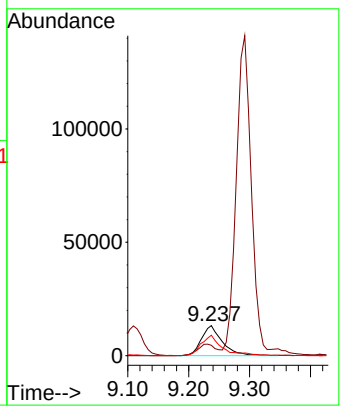


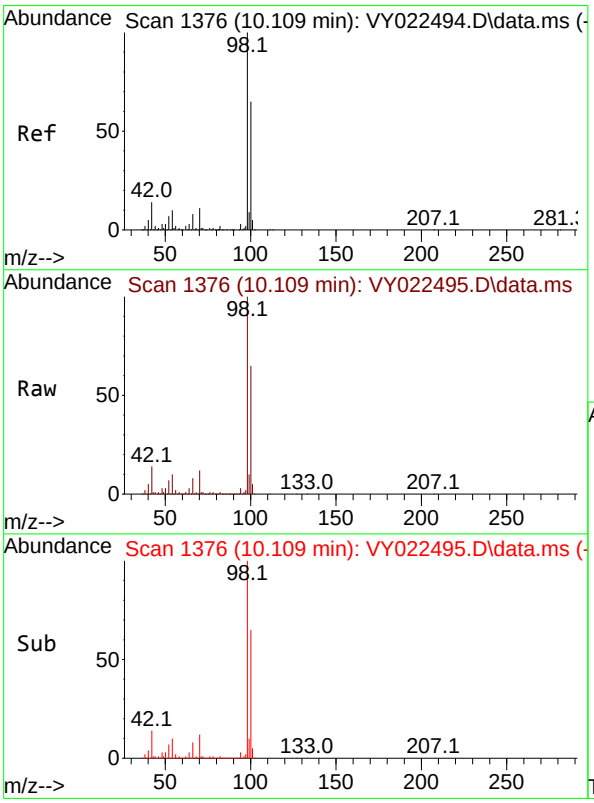
#49
1,4-Dioxane
Concen: 1955.012 ug/l
RT: 9.237 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 31675

Ion	Ratio	Lower	Upper
88	100		
43	35.0	25.4	38.2
58	69.1	54.9	82.3

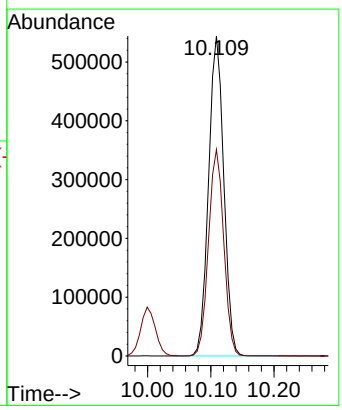


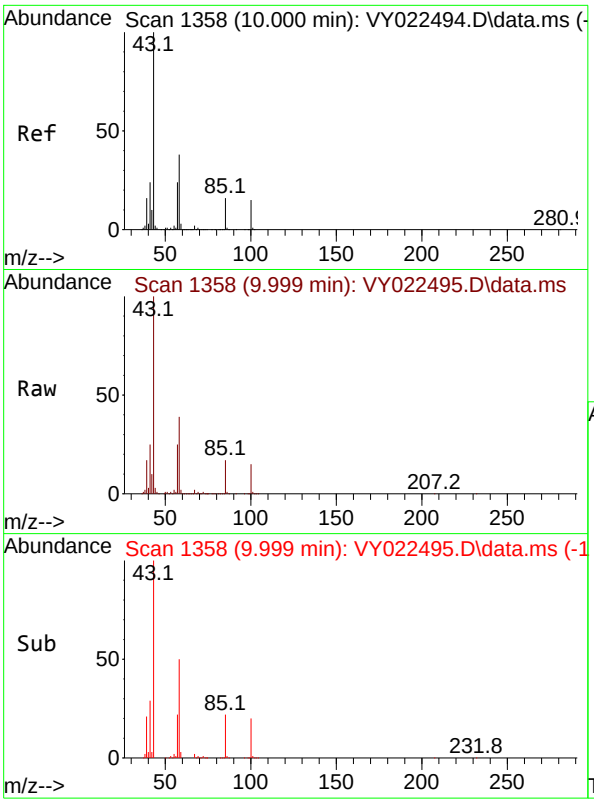


#50
Toluene-d8
Concen: 105.318 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 98 Resp: 908424

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0



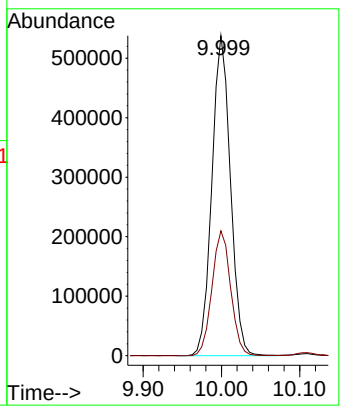


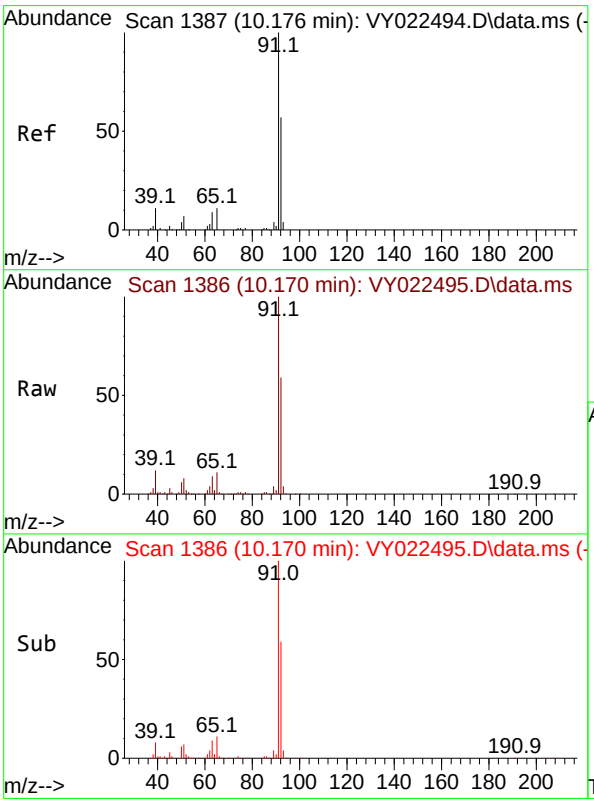
#51
4-Methyl-2-Pentanone
Concen: 537.390 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 884897

Ion	Ratio	Lower	Upper
43	100		
58	39.3	30.4	45.6

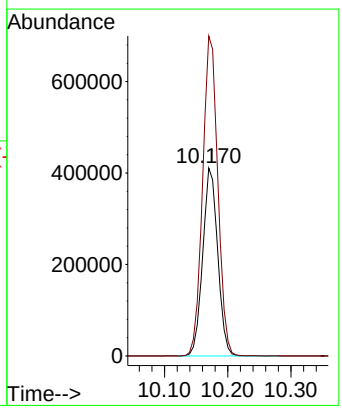


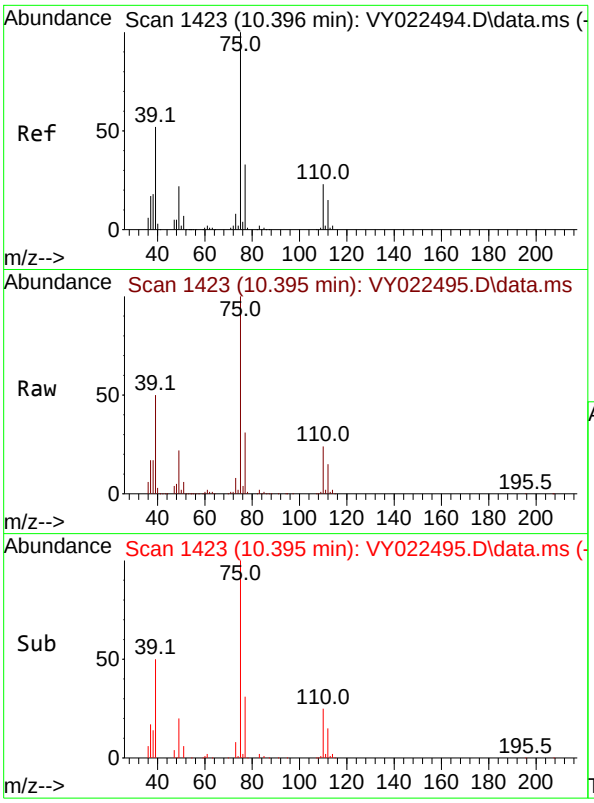


#52
Toluene
Concen: 105.821 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 92 Resp: 676554

Ion	Ratio	Lower	Upper
92	100		
91	173.1	139.0	208.4



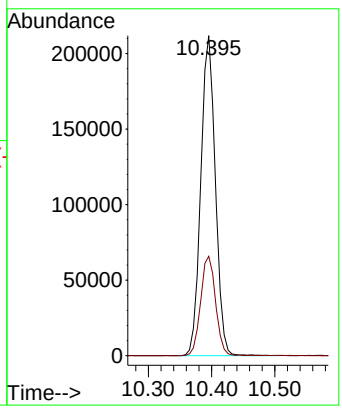


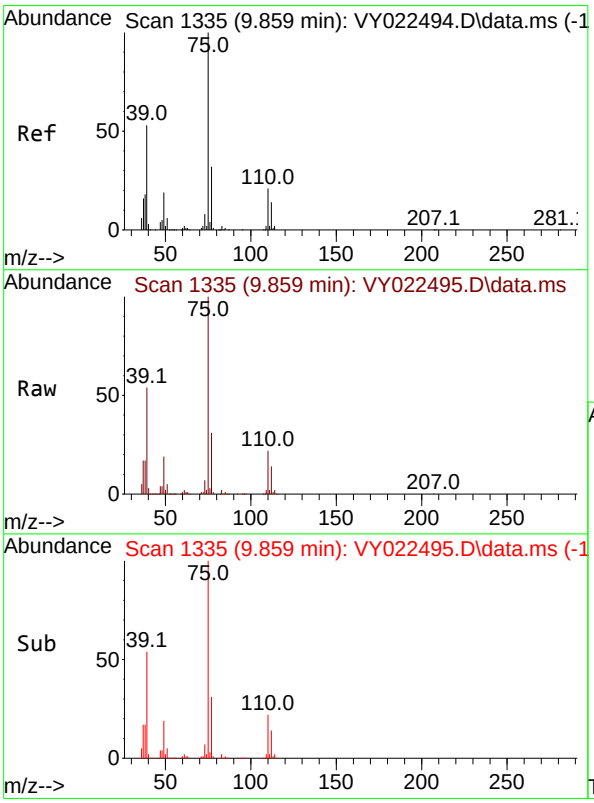
#53
t-1,3-Dichloropropene
Concen: 106.548 ug/l
RT: 10.395 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 339647

Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.5	39.7

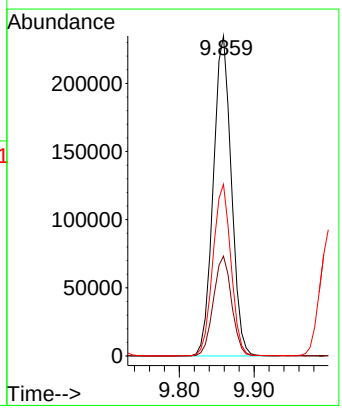


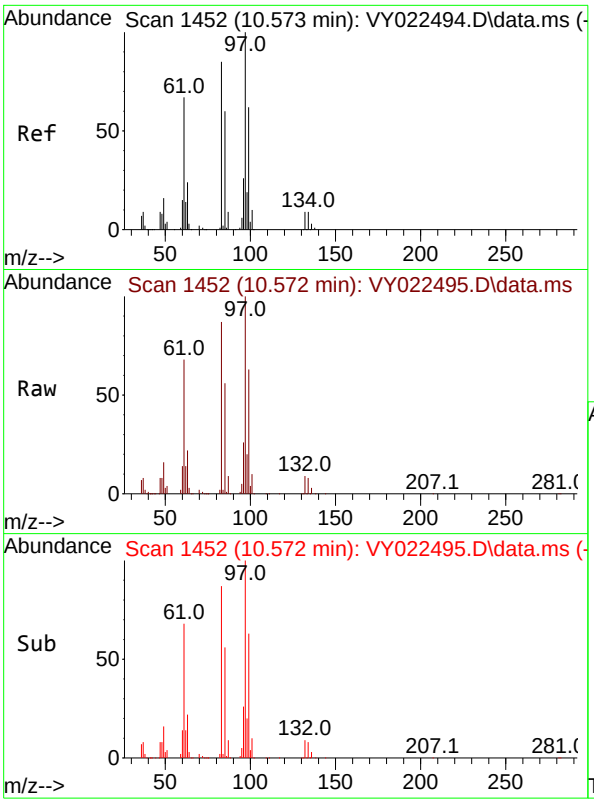


#54
cis-1,3-Dichloropropene
Concen: 105.579 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 75 Resp: 394647

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.3	37.9
39	53.6	42.7	64.1



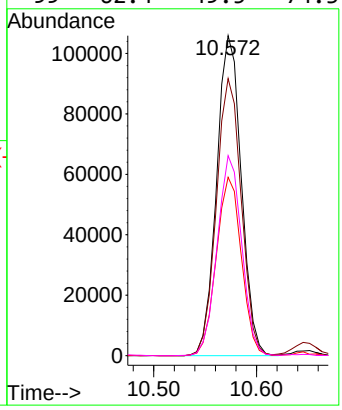


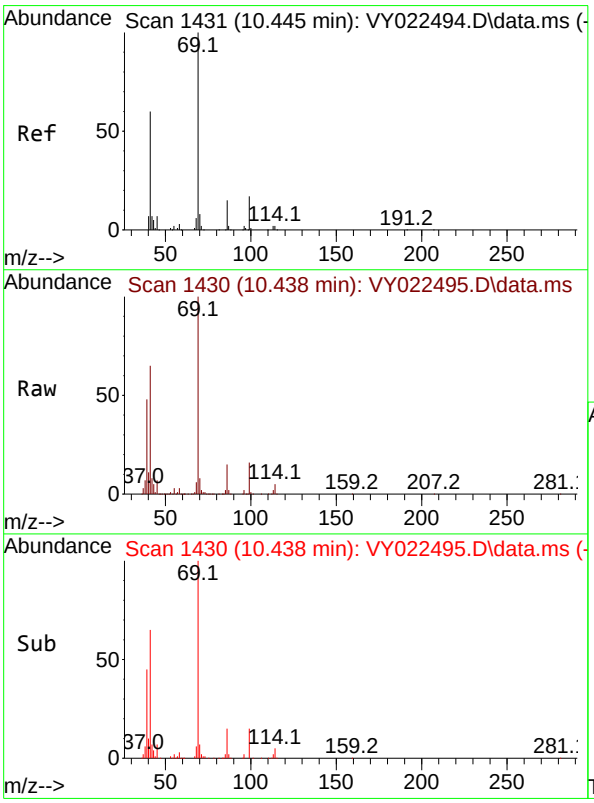
#55
1,1,2-Trichloroethane
Concen: 103.130 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 176386

Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.1	102.1
85	55.8	48.2	72.2
99	62.4	49.5	74.3

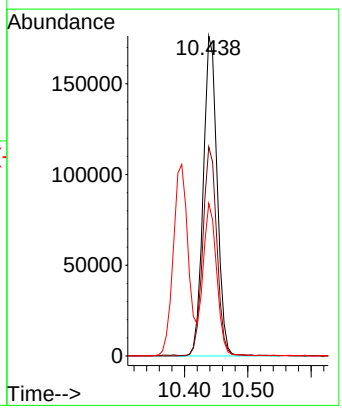


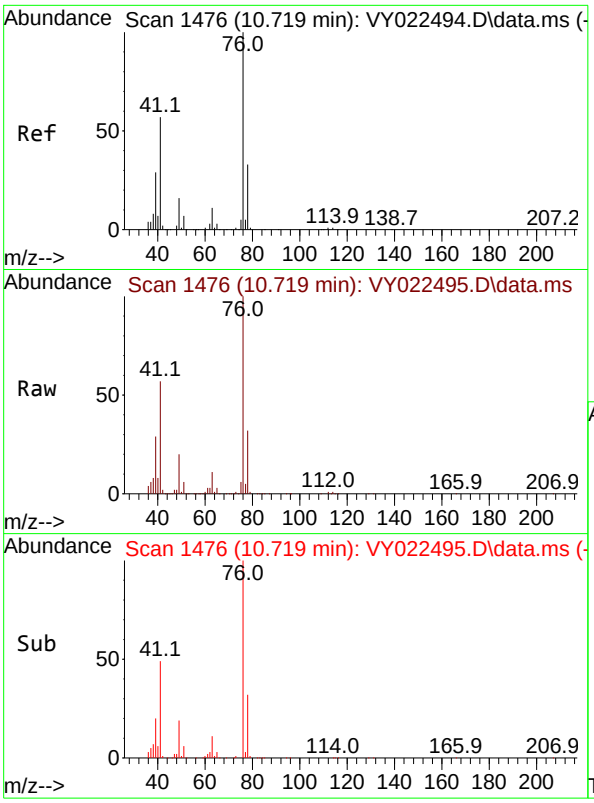


#56
Ethyl methacrylate
Concen: 108.807 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 69 Resp: 270253

Ion	Ratio	Lower	Upper
69	100		
41	65.7	52.2	78.2
39	45.6	36.7	55.1



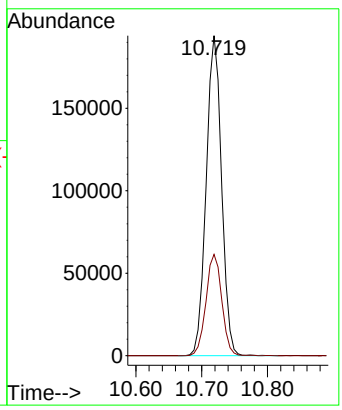


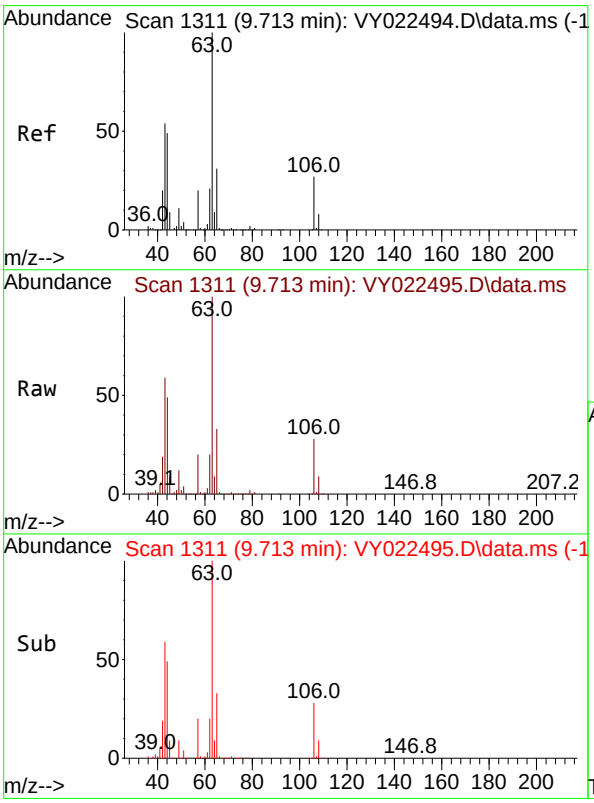
#57
1,3-Dichloropropane
Concen: 103.374 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 314882

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.8

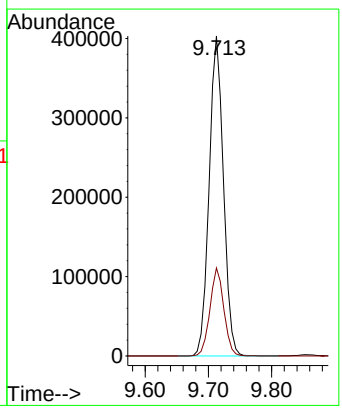


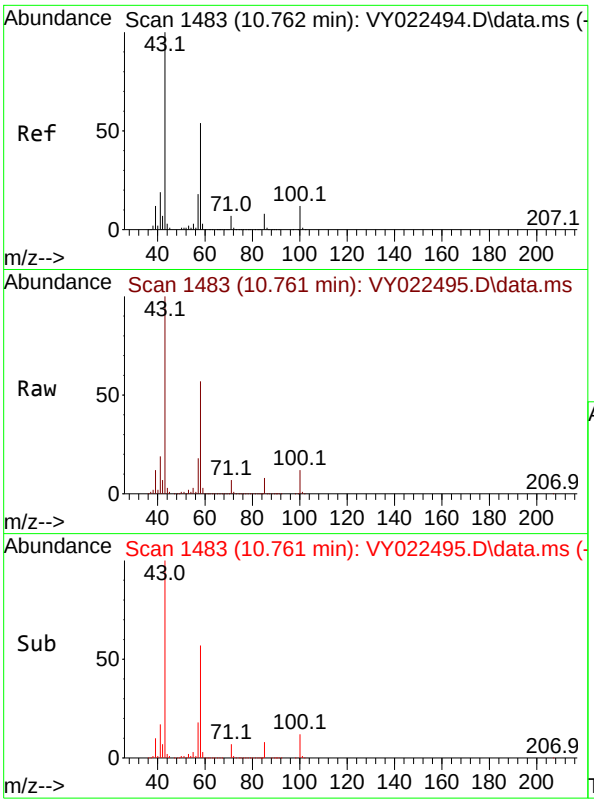


#58
2-Chloroethyl Vinyl ether
Concen: 570.744 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 63 Resp: 631985

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.6	32.4



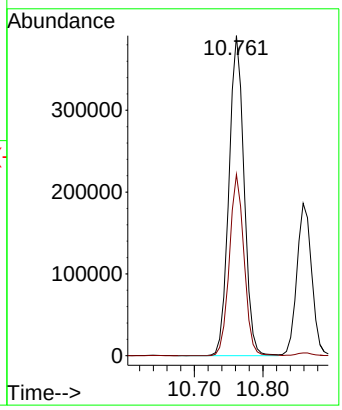


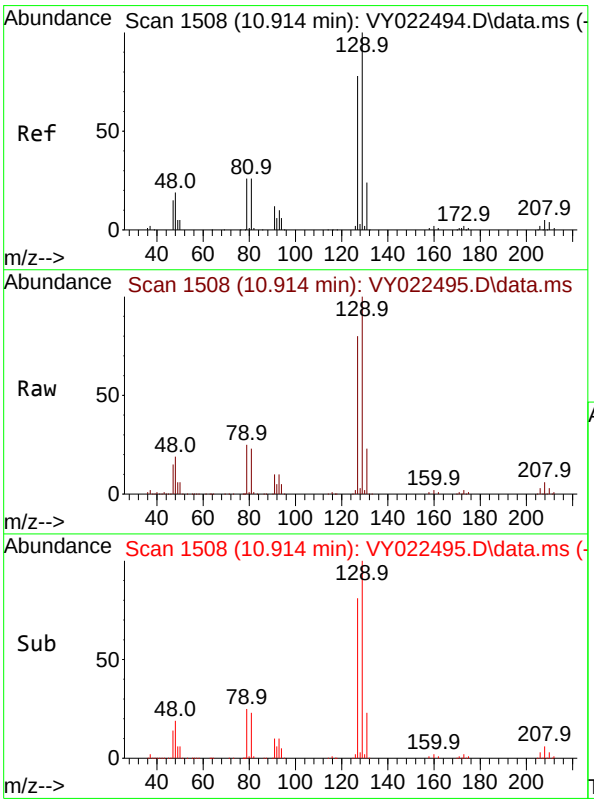
#59
2-Hexanone
Concen: 546.025 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 599356

Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.3	81.8

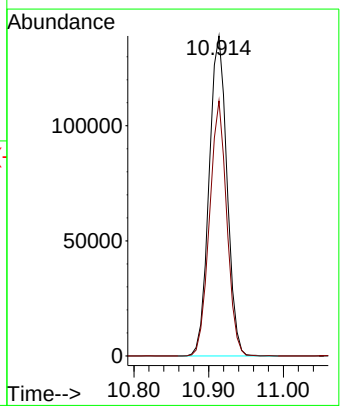


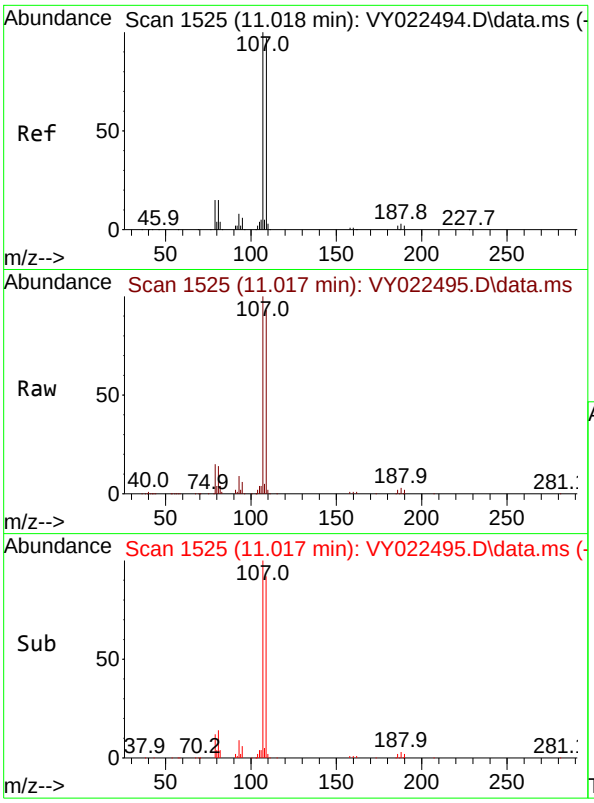


#60
Dibromochloromethane
Concen: 106.862 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:129 Resp: 231582

Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.1	117.2



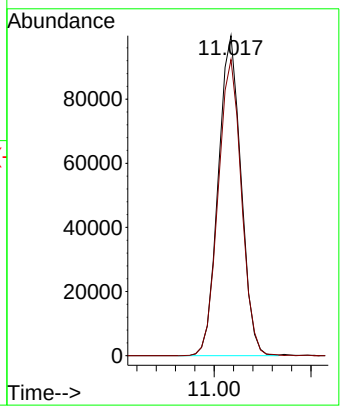


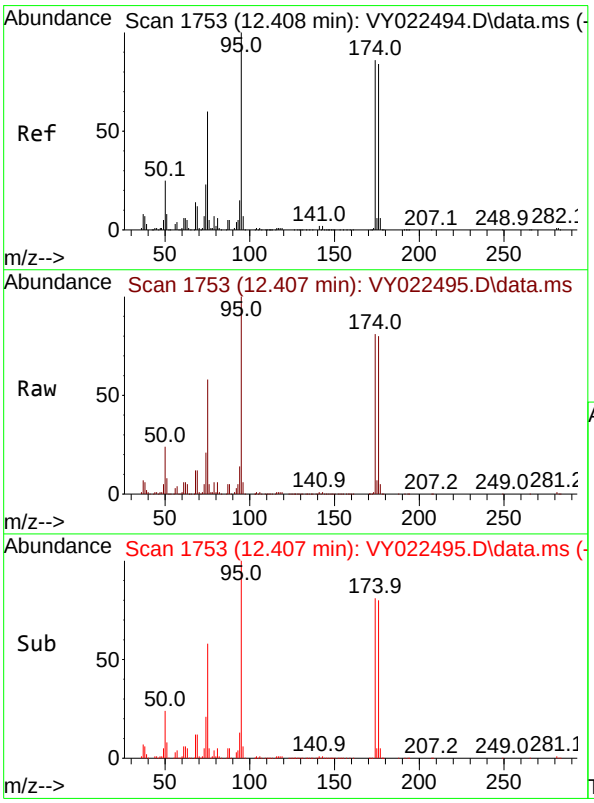
#61
1,2-Dibromoethane
Concen: 103.182 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 162846

Ion	Ratio	Lower	Upper
107	100		
109	94.4	77.7	116.5

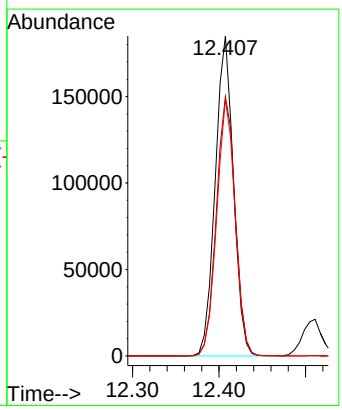


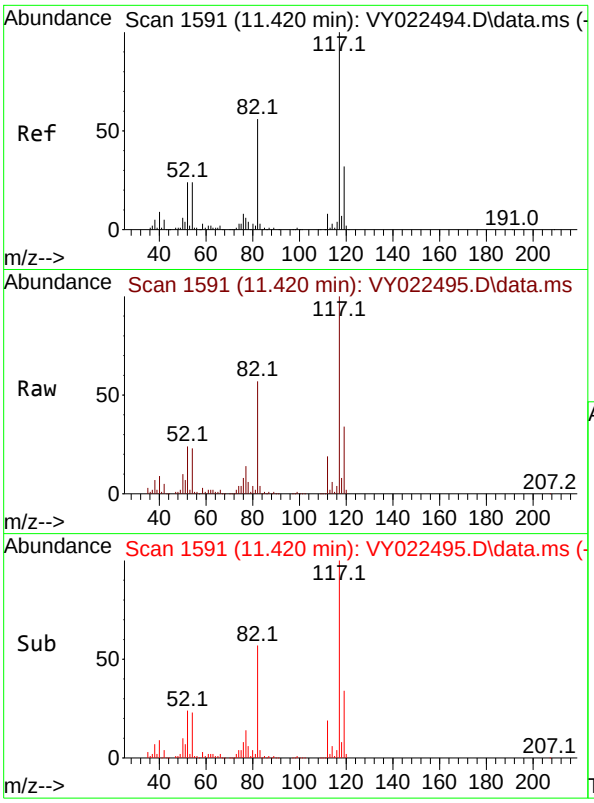


#62
4-Bromofluorobenzene
Concen: 103.359 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 95 Resp: 270310

Ion	Ratio	Lower	Upper
95	100		
174	84.4	0.0	170.0
176	80.8	0.0	166.2



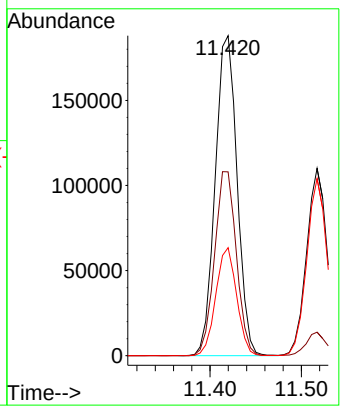


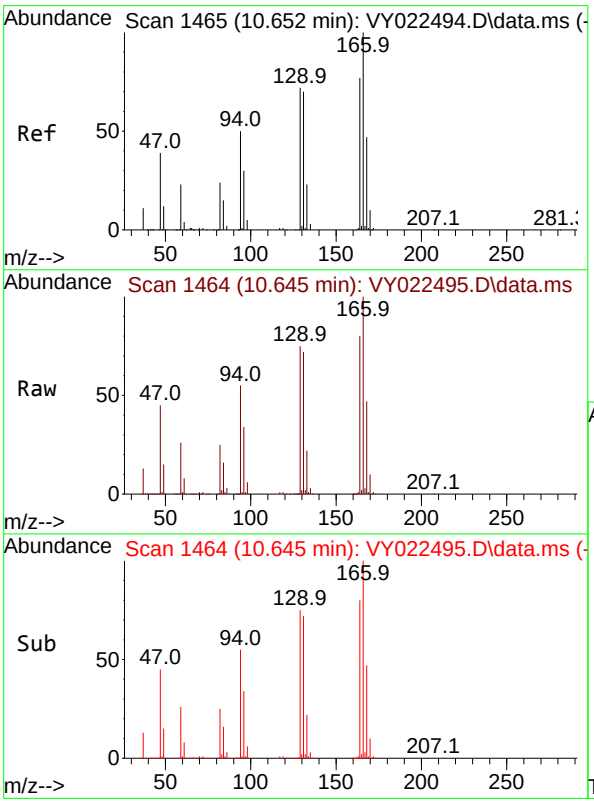
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 312741

Ion	Ratio	Lower	Upper
117	100		
82	57.4	44.6	66.8
119	33.8	25.4	38.0

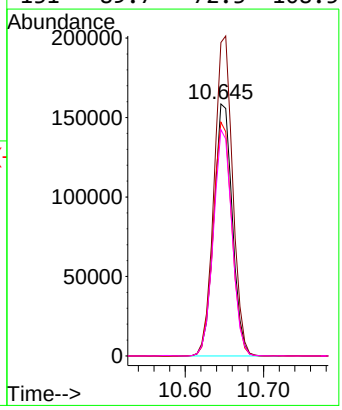


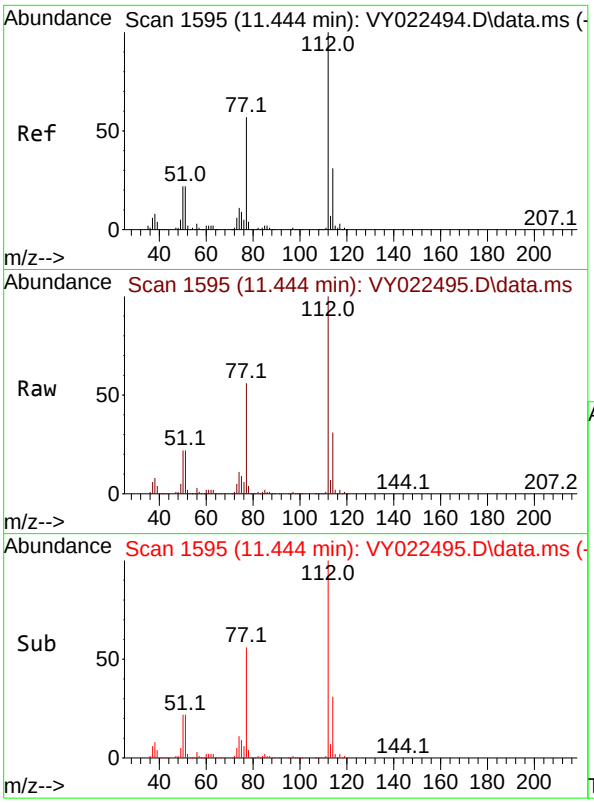


#64
Tetrachloroethene
Concen: 97.857 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:164 Resp: 260085

Ion	Ratio	Lower	Upper
164	100		
166	124.4	104.0	156.0
129	92.8	74.5	111.7
131	89.7	72.3	108.5



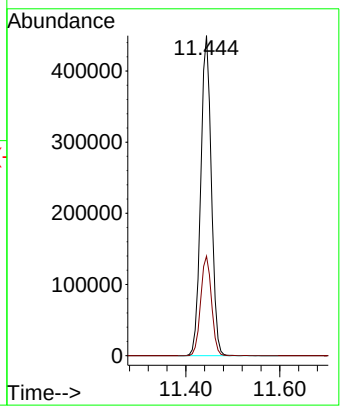


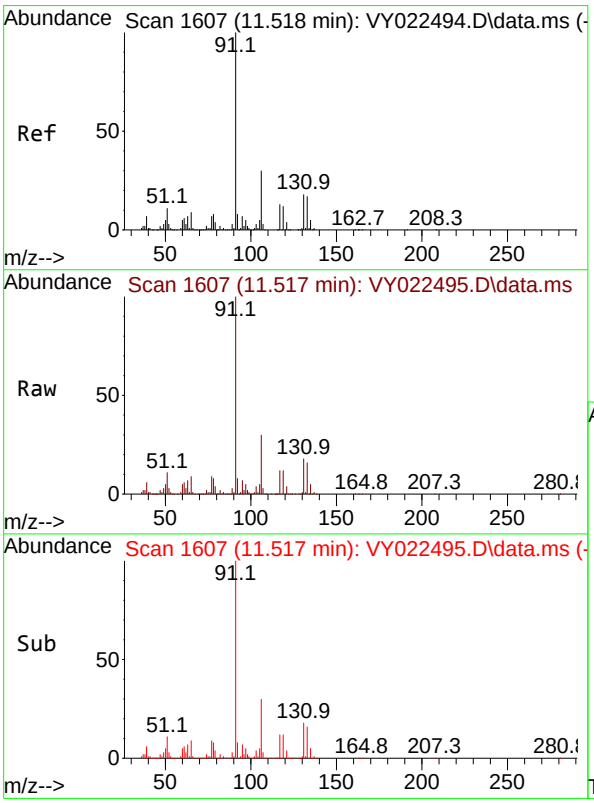
#65
Chlorobenzene
Concen: 103.277 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 700365

Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.0	37.6

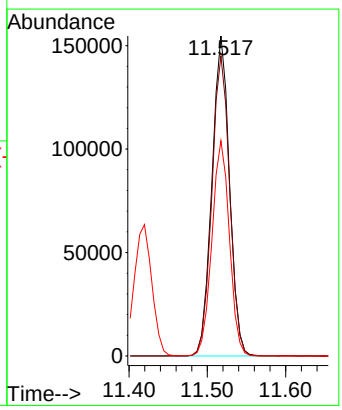


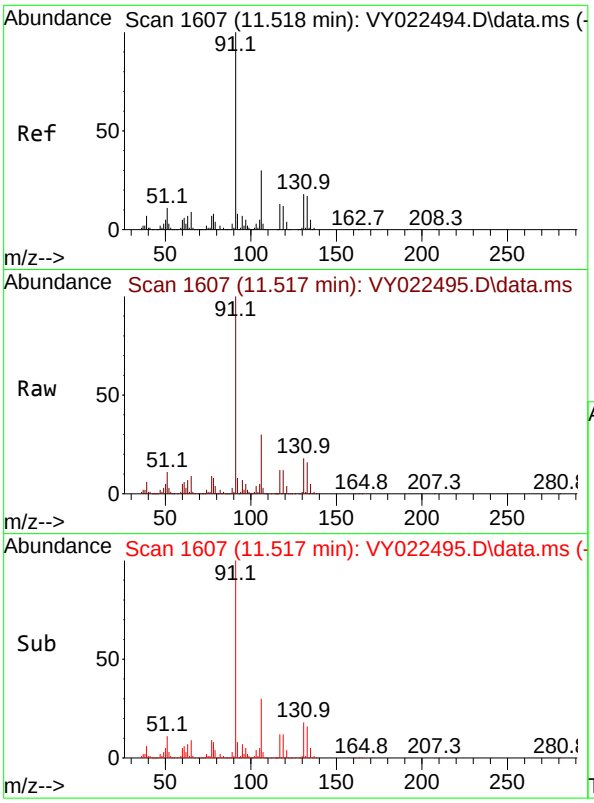


#66
1,1,1,2-Tetrachloroethane
Concen: 104.874 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:131 Resp: 241080

Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.3	141.8
119	66.9	33.1	99.3



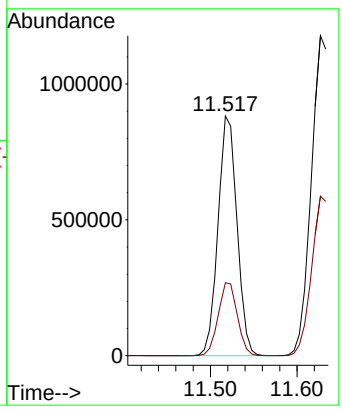


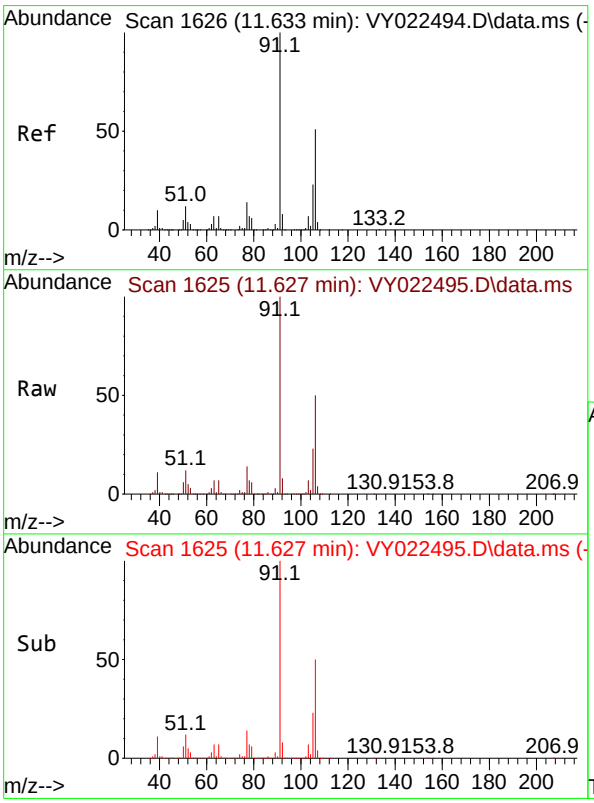
#67
Ethyl Benzene
Concen: 106.379 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1343424

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.2	36.4

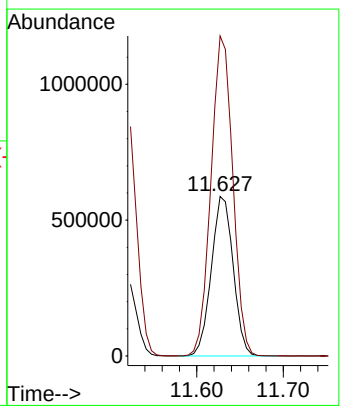


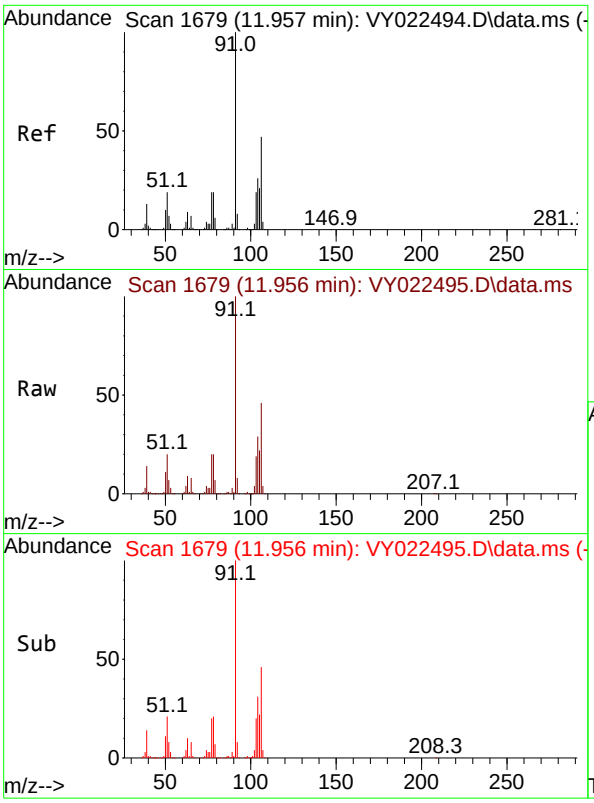


#68
m/p-Xylenes
Concen: 215.017 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:106 Resp: 1027669

Ion	Ratio	Lower	Upper
106	100		
91	200.6	159.4	239.0



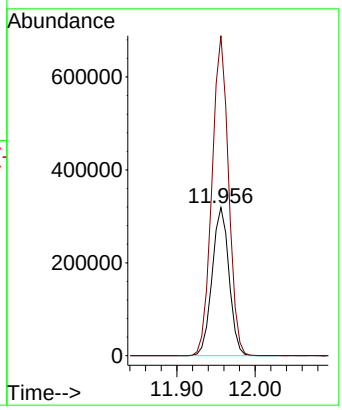


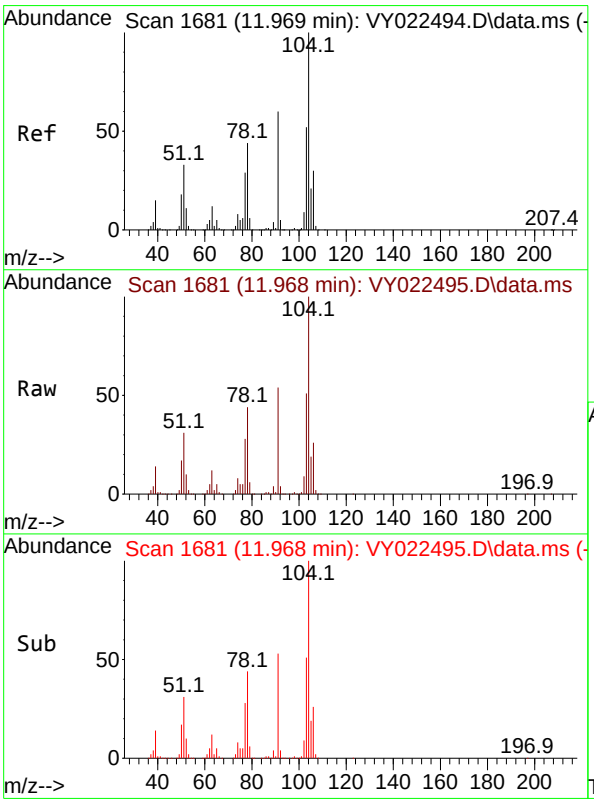
#69
o-Xylene
Concen: 106.884 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 478106

Ion	Ratio	Lower	Upper
106	100		
91	212.3	105.8	317.3

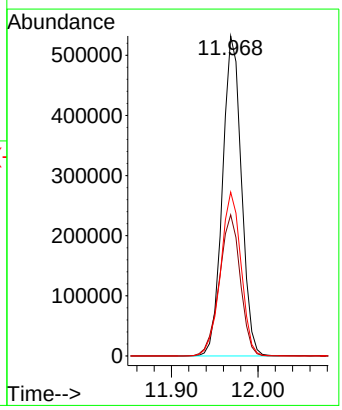


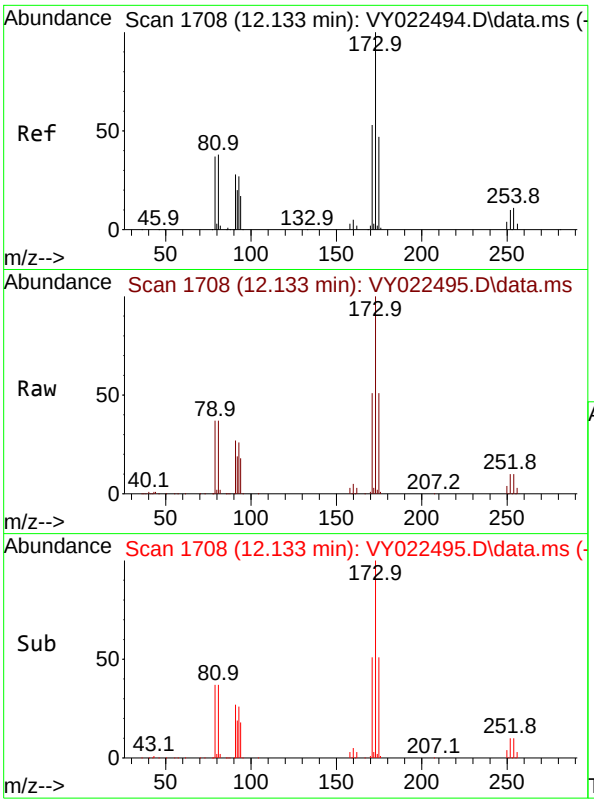


#70
Styrene
Concen: 109.011 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:104 Resp: 807331

Ion	Ratio	Lower	Upper
104	100		
78	48.7	39.5	59.3
103	55.3	44.1	66.1



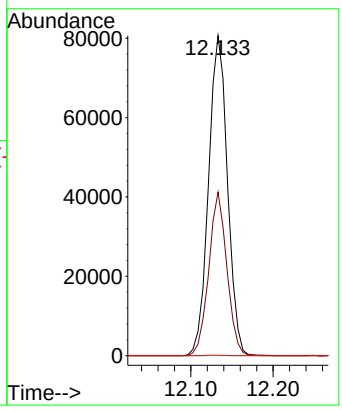


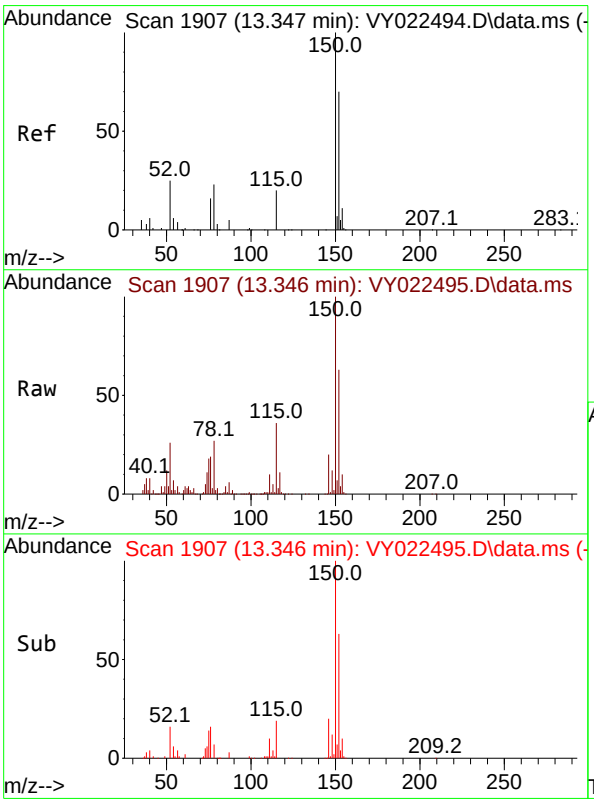
#71
Bromoform
Concen: 106.900 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 129134

Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.8	71.5
254	0.2	0.0	0.0#

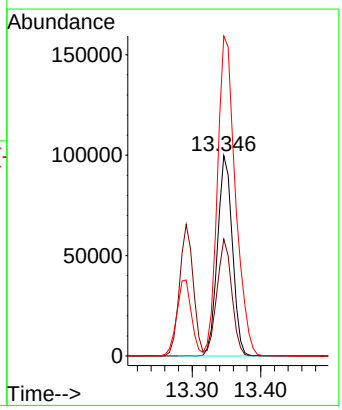


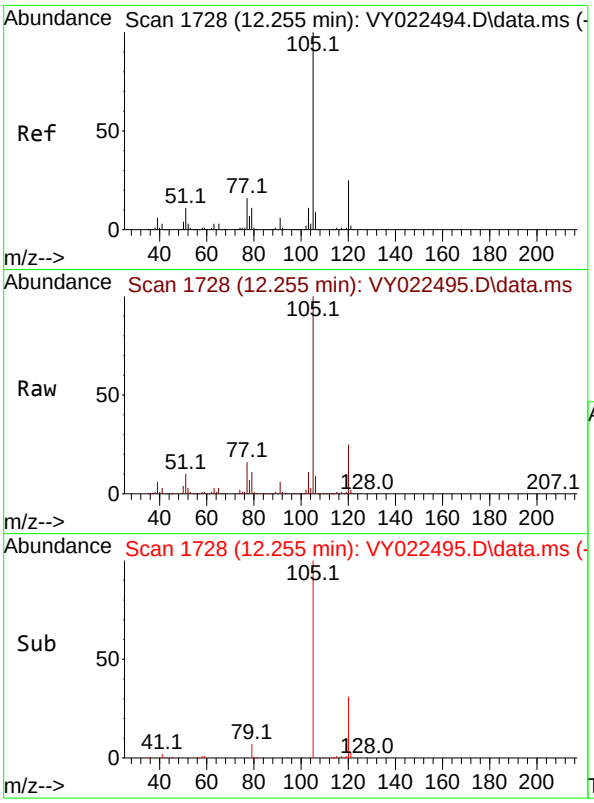


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:152 Resp: 150217

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.9	86.7
150	192.2	0.0	349.6



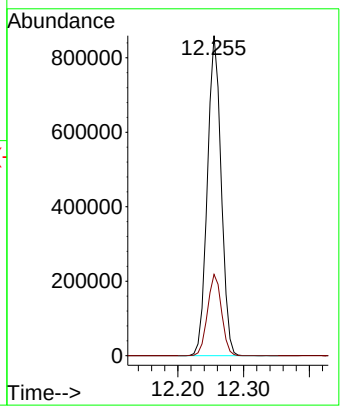


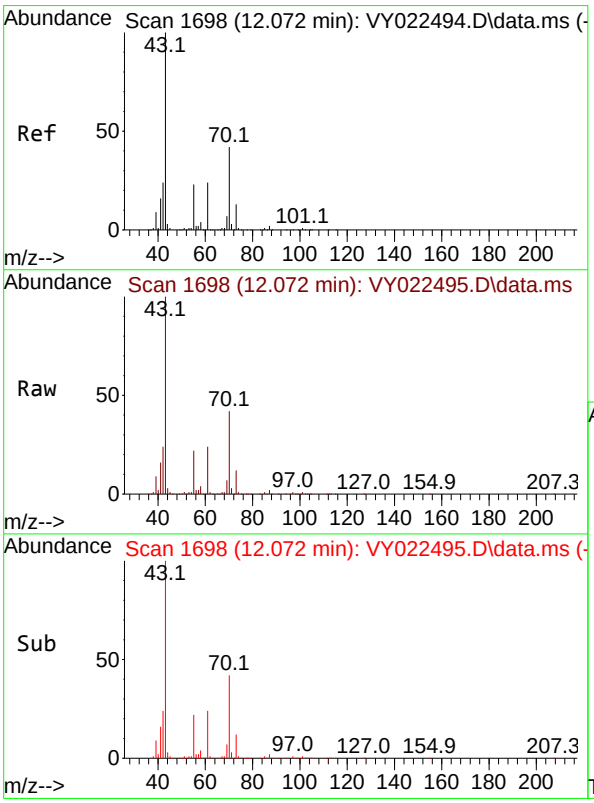
#73
Isopropylbenzene
Concen: 103.429 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1251781

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	38.9

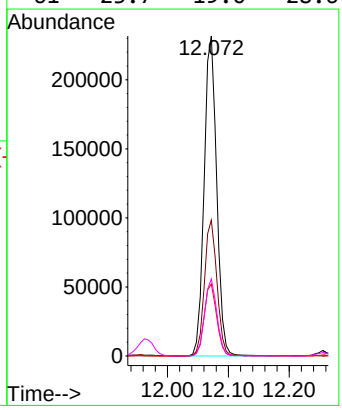


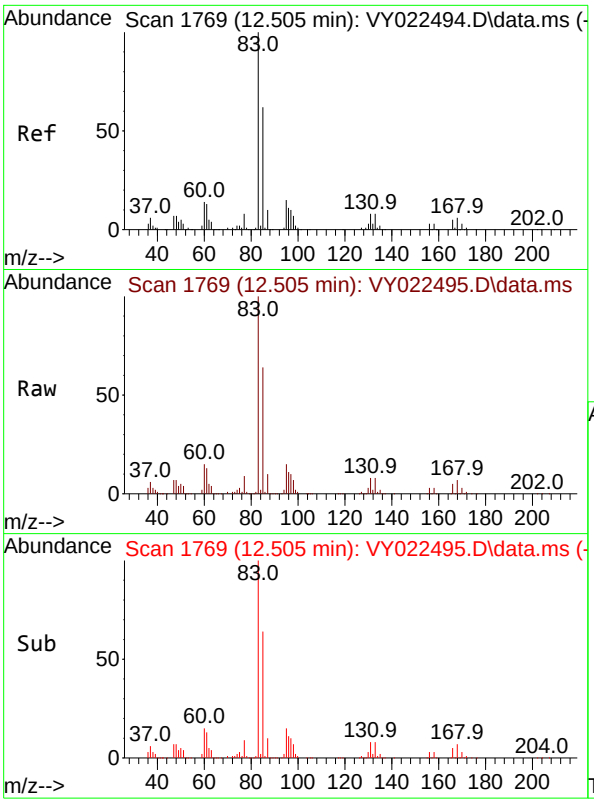


#74
N-amyl acetate
Concen: 108.232 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 43 Resp: 331256

Ion	Ratio	Lower	Upper
43	100		
70	42.4	34.2	51.2
55	22.5	18.2	27.4
61	23.7	19.0	28.6



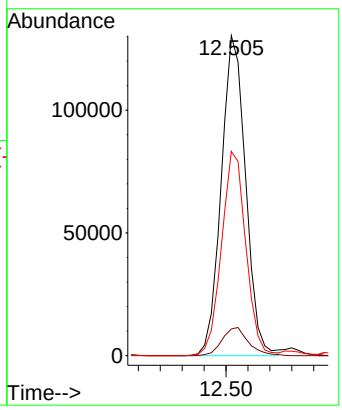


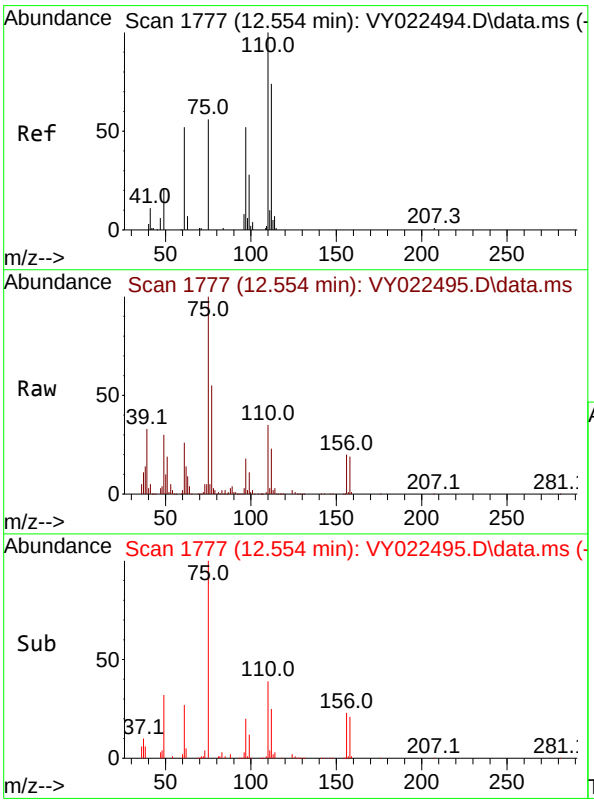
#75
1,1,2,2-Tetrachloroethane
Concen: 102.543 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 201554

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	63.7	32.6	97.8

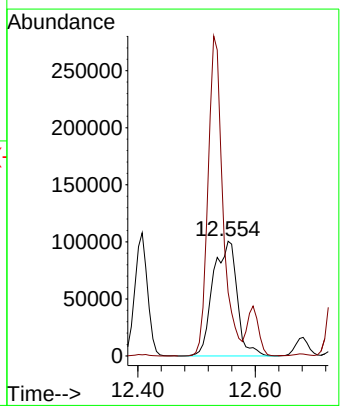


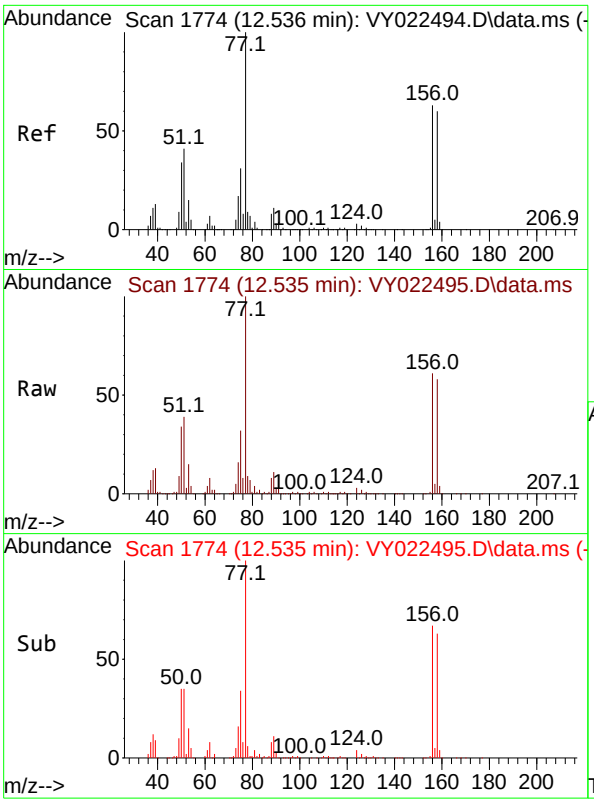


#76
1,2,3-Trichloropropane
Concen: 143.759 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 75 Resp: 285086

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



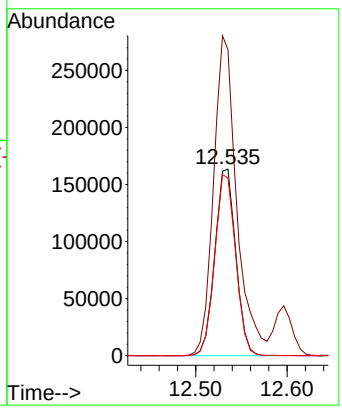


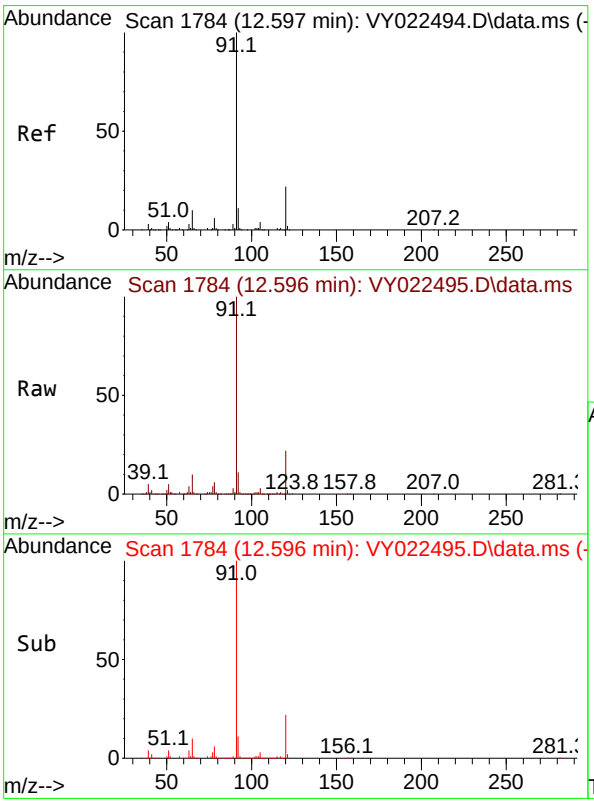
#77
Bromobenzene
Concen: 101.560 ug/l
RT: 12.535 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 260522

Ion	Ratio	Lower	Upper
156	100		
77	189.8	94.0	282.1
158	97.1	48.2	144.6

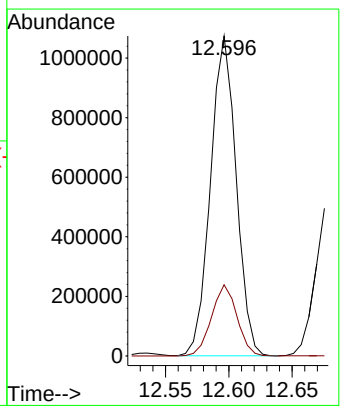


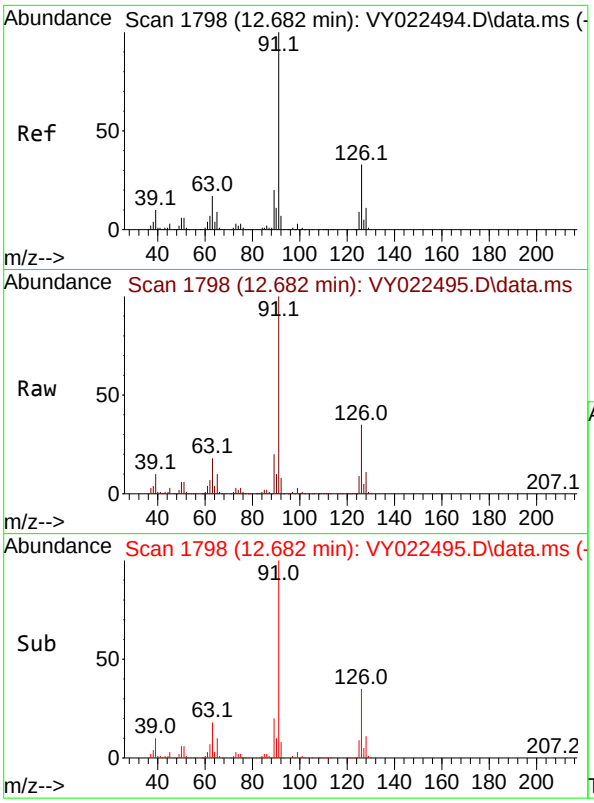


#78
n-propylbenzene
Concen: 103.002 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 91 Resp: 1517453

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4



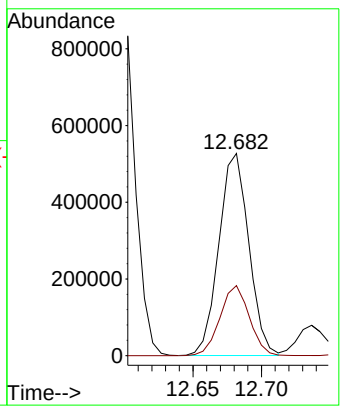


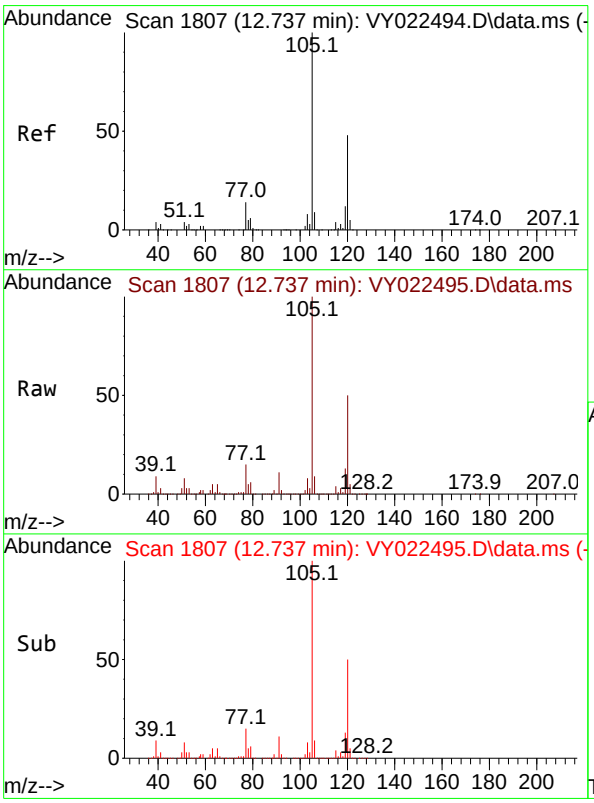
#79
2-Chlorotoluene
Concen: 102.984 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 801096

Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.0	51.0

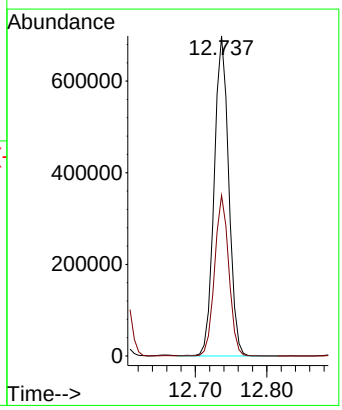


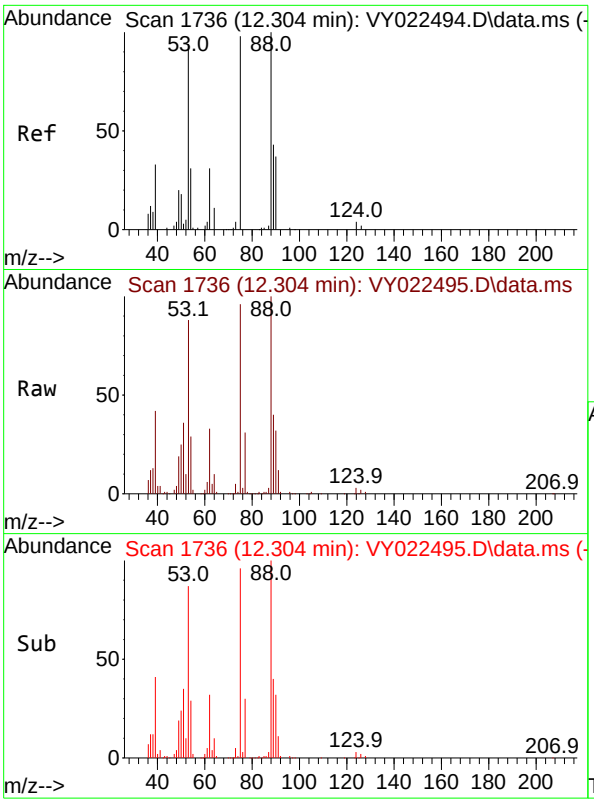


#80
1,3,5-Trimethylbenzene
Concen: 103.959 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:105 Resp: 983812

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.1	72.4



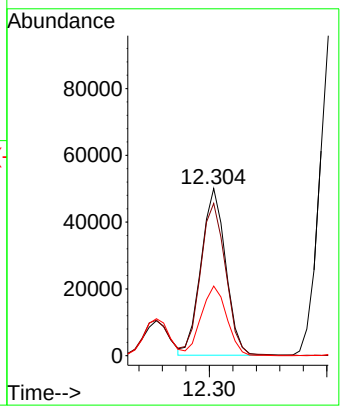


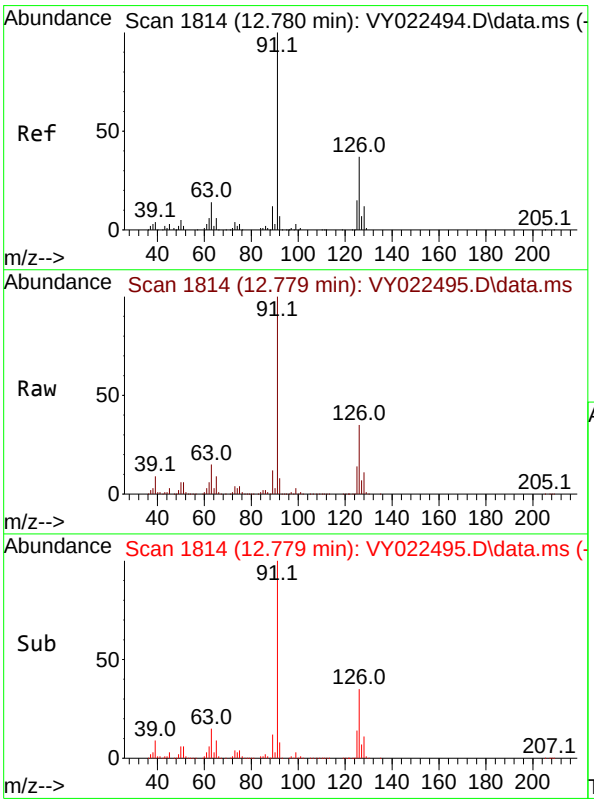
#81
trans-1,4-Dichloro-2-butene
Concen: 104.845 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 72518

Ion	Ratio	Lower	Upper
75	100		
53	94.6	78.5	117.7
89	43.2	35.7	53.5

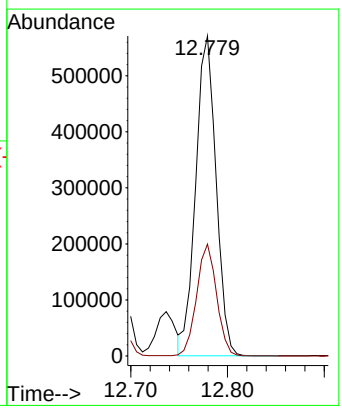


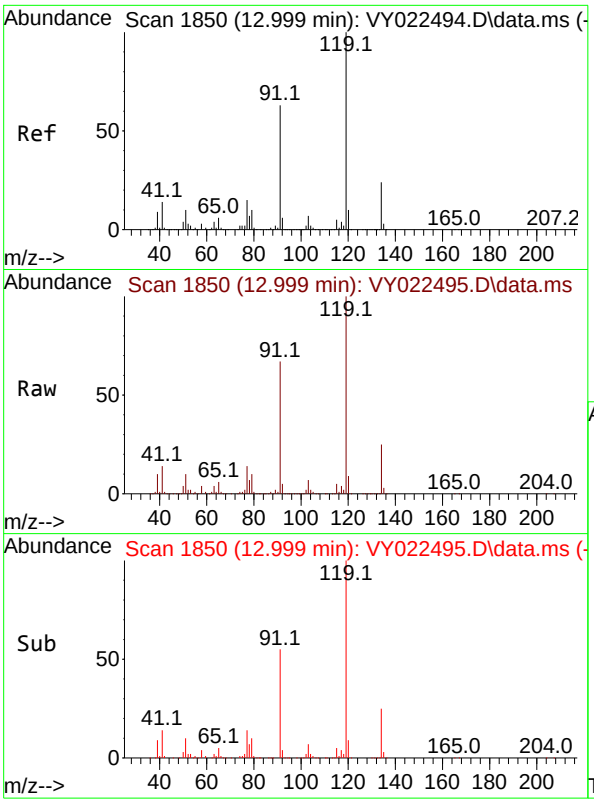


#82
4-Chlorotoluene
Concen: 103.758 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 91 Resp: 836500

Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.0	50.9



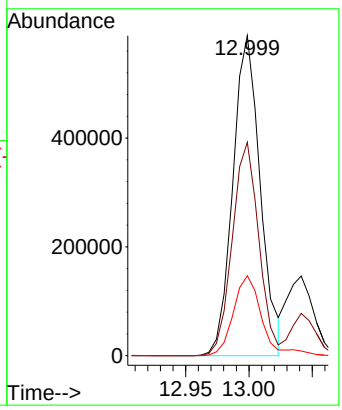


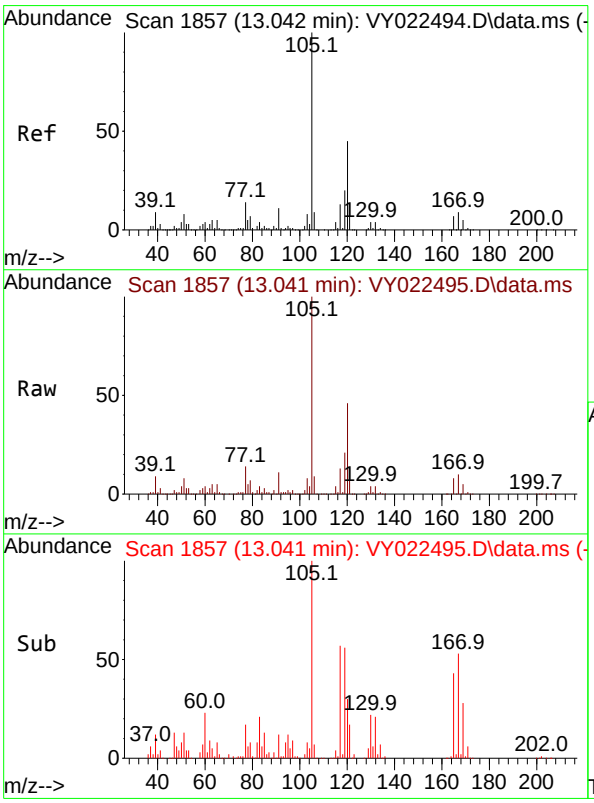
#83
tert-Butylbenzene
Concen: 102.740 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 886942

Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.1	96.3
134	25.9	13.0	38.9

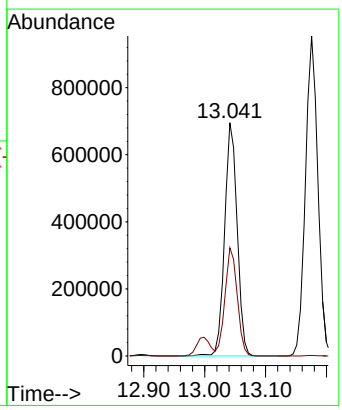


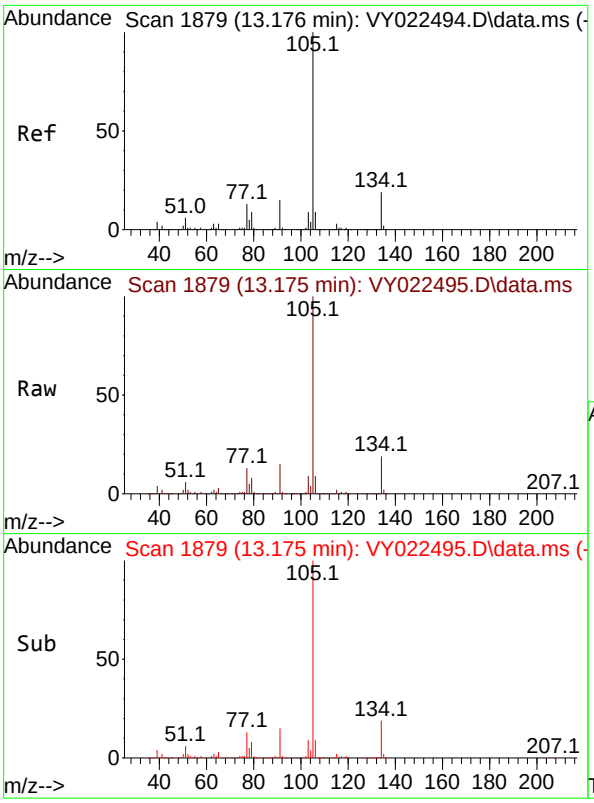


#84
1,2,4-Trimethylbenzene
Concen: 104.854 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:105 Resp: 992770

Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.1



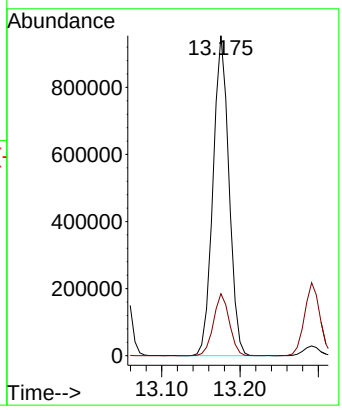


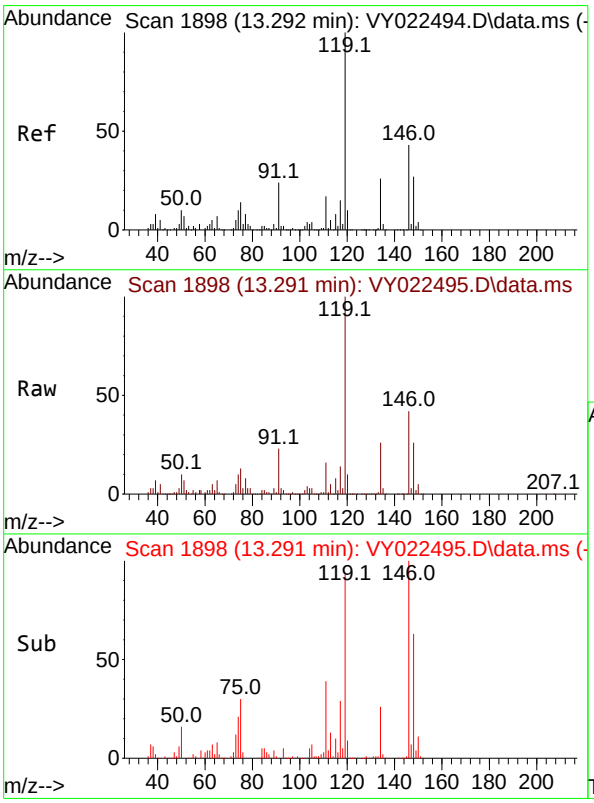
#85
sec-Butylbenzene
Concen: 103.006 ug/l
RT: 13.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1348209

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9

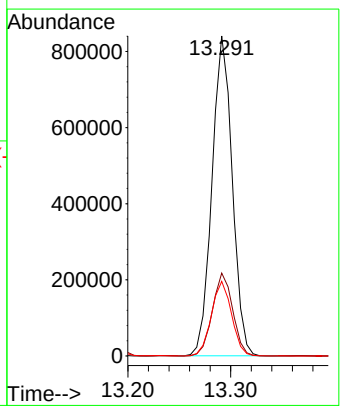


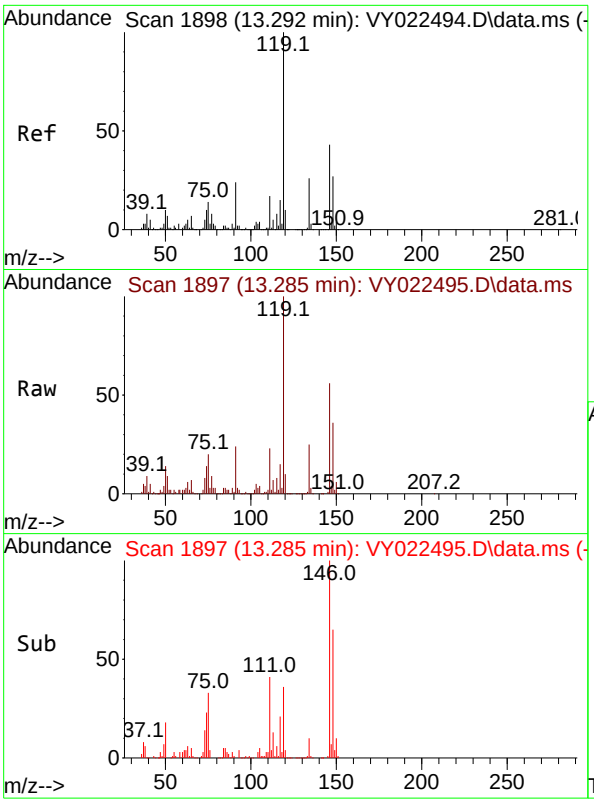


#86
p-Isopropyltoluene
Concen: 106.760 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:119 Resp: 1148821

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.1
91	23.2	11.6	34.8



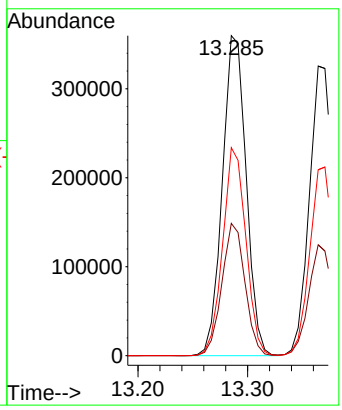


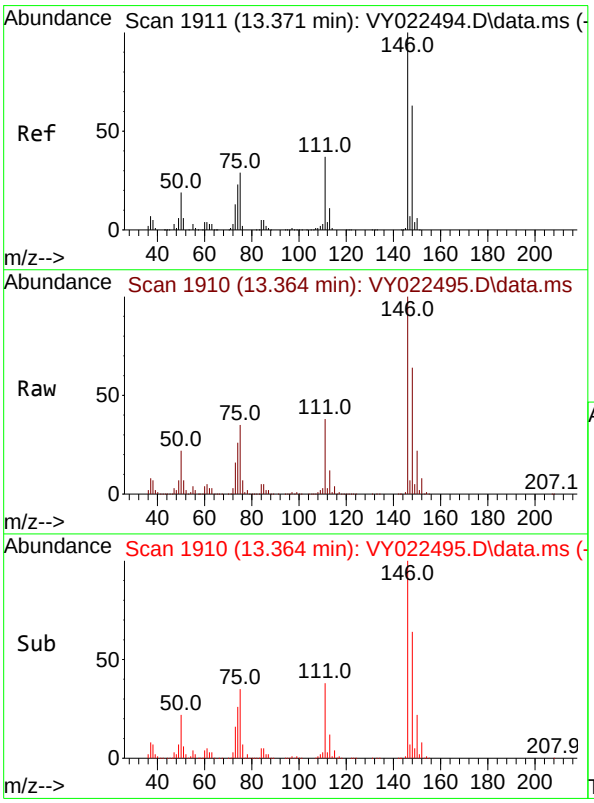
#87
1,3-Dichlorobenzene
Concen: 105.879 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.007 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 543396

Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.2
148	63.4	32.1	96.3

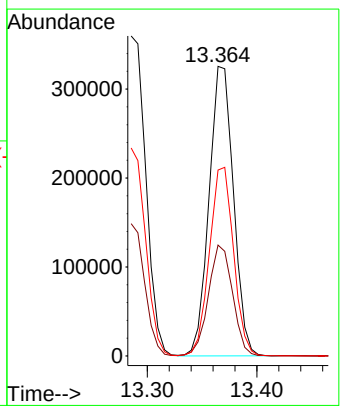


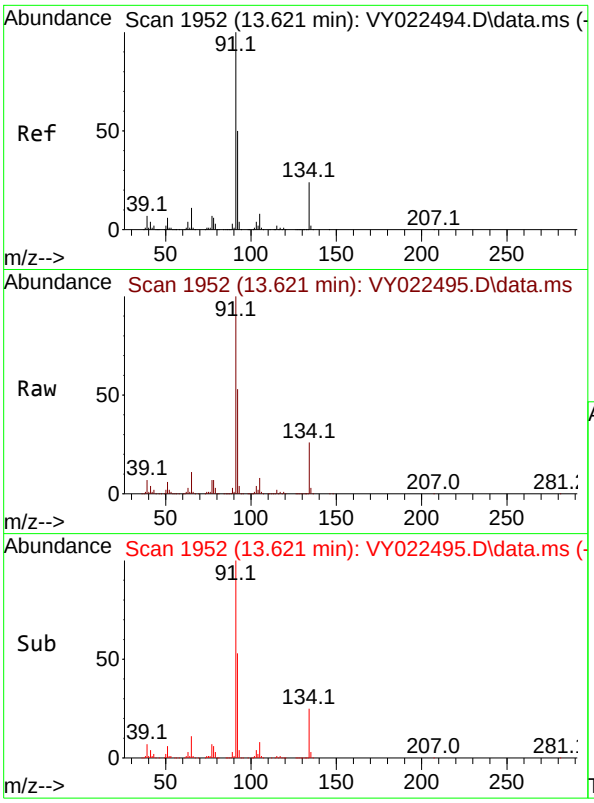


#88
1,4-Dichlorobenzene
Concen: 100.757 ug/l
RT: 13.364 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:146 Resp: 503842

Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.4	58.2
148	64.7	31.6	94.8



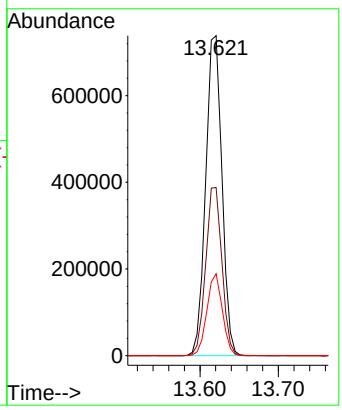


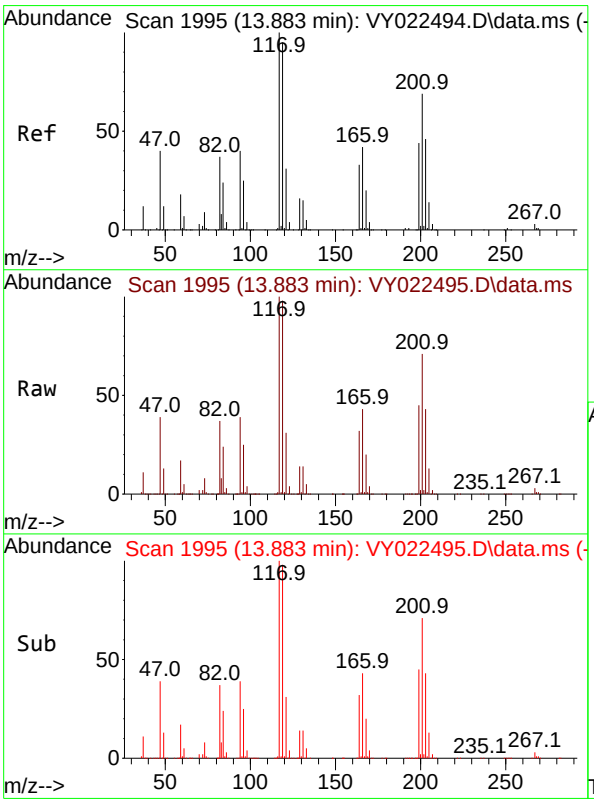
#89
n-Butylbenzene
Concen: 103.713 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1062595

Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.9	77.8
134	24.4	12.0	36.1

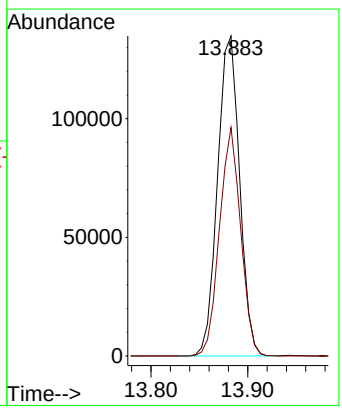


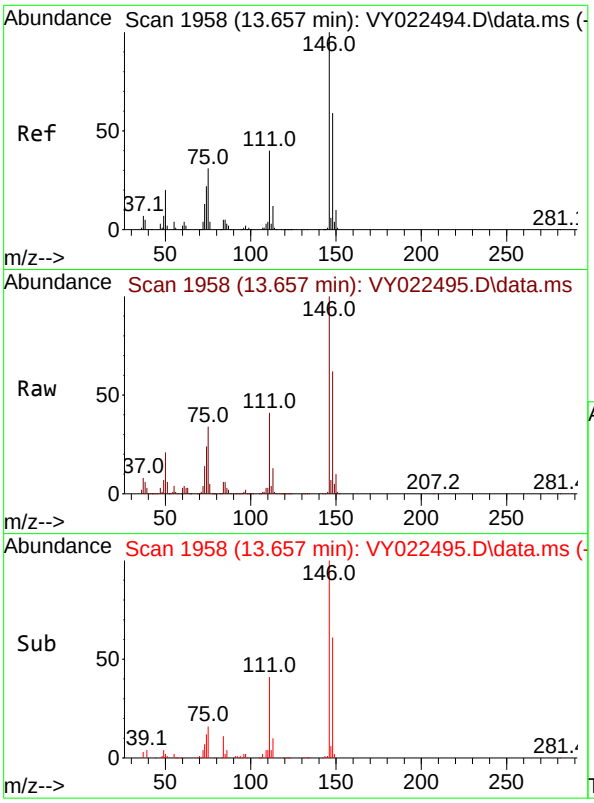


#90
Hexachloroethane
Concen: 101.224 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:117 Resp: 213148

Ion	Ratio	Lower	Upper
117	100		
201	68.6	34.0	102.0



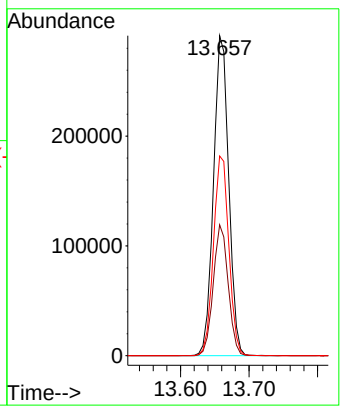


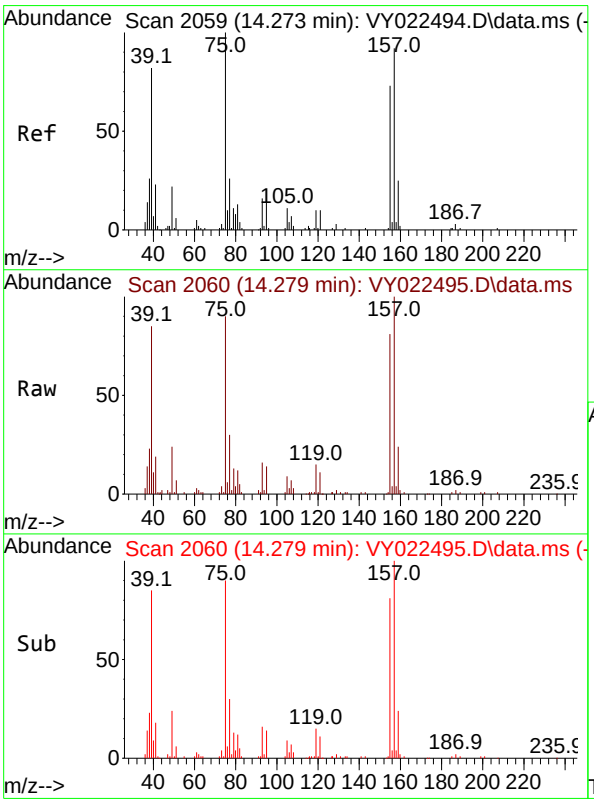
#91
1,2-Dichlorobenzene
Concen: 101.511 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 447574

Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.2	60.6
148	63.2	31.4	94.0

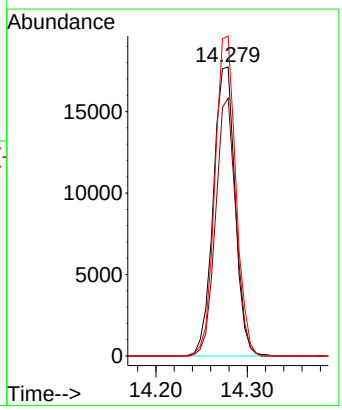


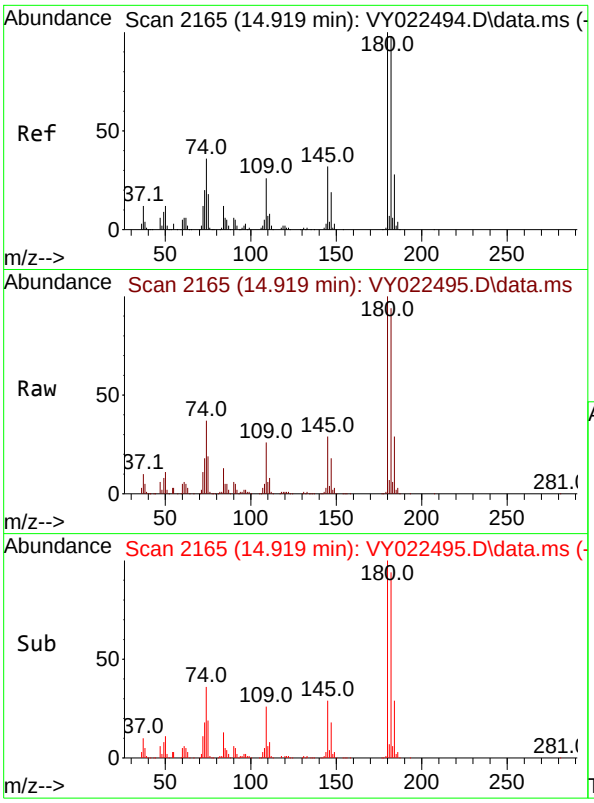


#92
1,2-Dibromo-3-Chloropropane
Concen: 98.805 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion: 75 Resp: 29357

Ion	Ratio	Lower	Upper
75	100		
155	83.2	39.9	119.6
157	106.6	54.0	162.0



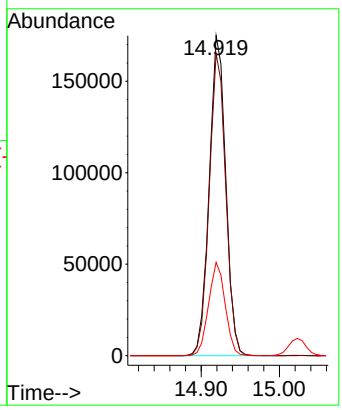


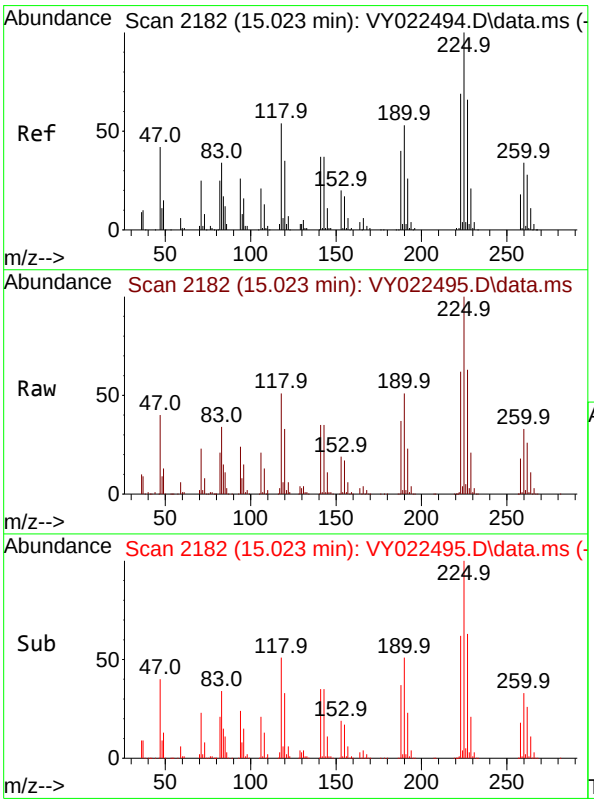
#93
1,2,4-Trichlorobenzene
Concen: 106.117 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 255752

Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.4	145.3
145	29.3	15.5	46.5

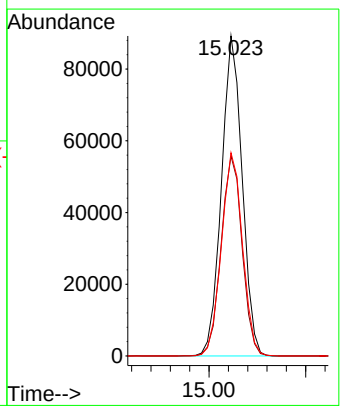


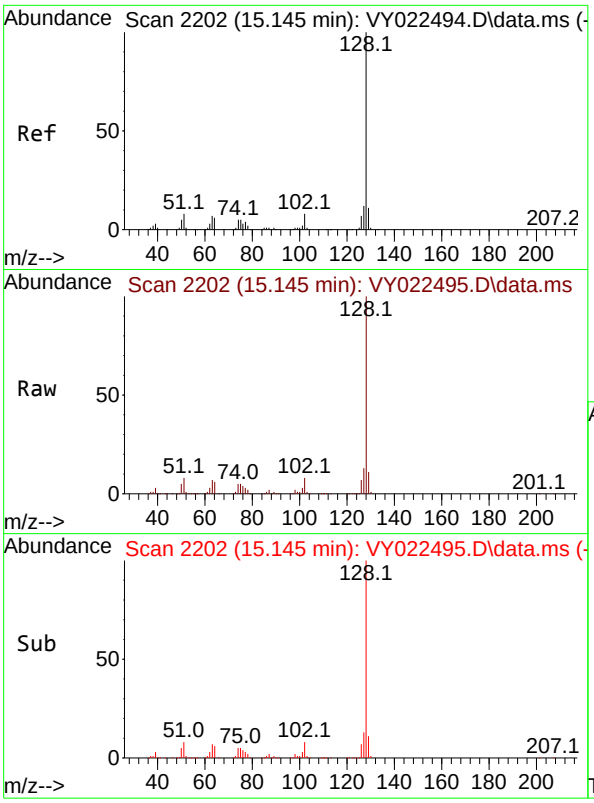


#94
Hexachlorobutadiene
Concen: 100.622 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:225 Resp: 132452

Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.5	97.4
227	64.6	32.3	96.9



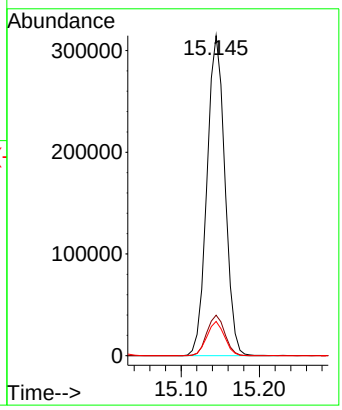


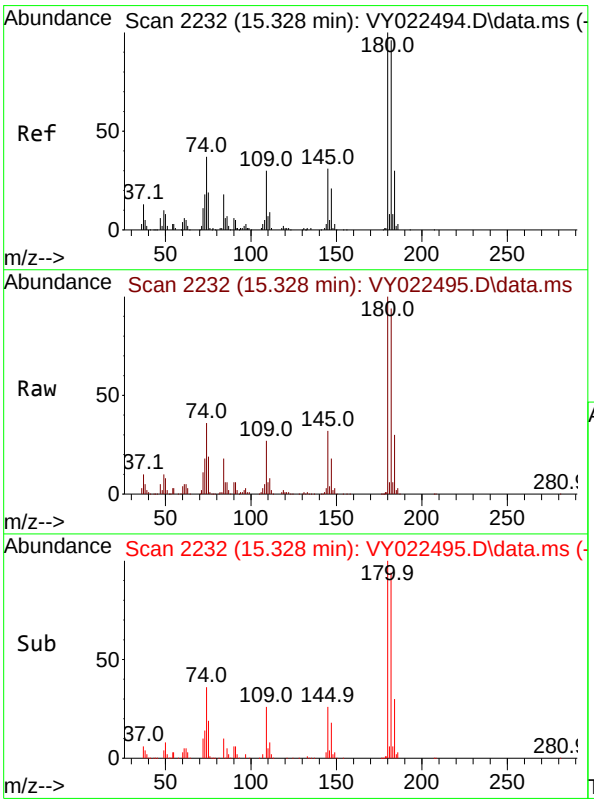
#95
Naphthalene
Concen: 108.155 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 499554

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	10.6	8.9	13.3

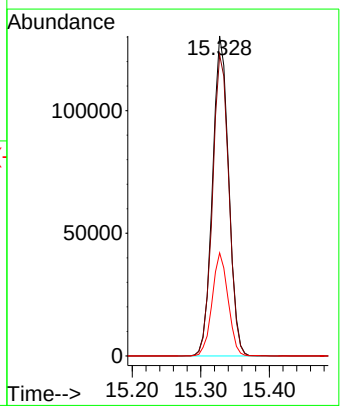




#96
1,2,3-Trichlorobenzene
Concen: 104.136 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022495.D
Acq: 02 Jun 2025 13:17

Tgt Ion:180 Resp: 213300

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.1	141.3
145	31.7	15.2	45.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	225293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	367991	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	313951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	150326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	377706	154.078	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 308.160%#			
35) Dibromofluoromethane	7.634	113	348038	160.661	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 321.320%#			
50) Toluene-d8	10.109	98	1432587	163.617	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 327.240%#			
62) 4-Bromofluorobenzene	12.408	95	426573	160.684	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 321.360%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	273817	139.086	ug/l	96
3) Chloromethane	2.068	50	800733	137.873	ug/l	99
4) Vinyl Chloride	2.202	62	967746	142.366	ug/l	99
5) Bromomethane	2.586	94	970833	150.991	ug/l	99
6) Chloroethane	2.733	64	651603	140.013	ug/l	95
7) Trichlorofluoromethane	3.050	101	885391	153.303	ug/l	98
8) Diethyl Ether	3.458	74	191391	150.036	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	360800	148.929	ug/l	100
10) Methyl Iodide	4.007	142	416014	160.129	ug/l	100
11) Tert butyl alcohol	4.879	59	128018	731.071	ug/l	100
12) 1,1-Dichloroethene	3.793	96	353193	152.730	ug/l	98
13) Acrolein	3.653	56	156417	731.778	ug/l	100
14) Allyl chloride	4.385	41	551896	153.152	ug/l	100
15) Acrylonitrile	5.061	53	406745	749.634	ug/l	99
16) Acetone	3.879	43	311886	643.577	ug/l	95
17) Carbon Disulfide	4.104	76	1126077	152.513	ug/l	99
18) Methyl Acetate	4.391	43	203507	139.589	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	988071	153.134	ug/l	99
20) Methylene Chloride	4.616	84	371818	137.416	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	399937	154.808	ug/l	99
22) Diisopropyl ether	6.025	45	1244804	155.346	ug/l	99
23) Vinyl Acetate	5.964	43	3806024	800.629	ug/l	100
24) 1,1-Dichloroethane	5.921	63	730276	154.173	ug/l	100
25) 2-Butanone	6.896	43	530692	742.386	ug/l	99
26) 2,2-Dichloropropane	6.890	77	664024	157.698	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	466804	156.334	ug/l	98
28) Bromochloromethane	7.250	49	320509	156.605	ug/l	100
29) Tetrahydrofuran	7.268	42	342435	742.566	ug/l	100
30) Chloroform	7.421	83	717477	153.285	ug/l	94
31) Cyclohexane	7.701	56	667836	140.095	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	660456	157.892	ug/l	99
36) 1,1-Dichloropropene	7.841	75	562935	160.756	ug/l	100
37) Ethyl Acetate	6.988	43	238966	155.059	ug/l	98
38) Carbon Tetrachloride	7.823	117	593167	164.311	ug/l	99
39) Methylcyclohexane	9.109	83	770382	162.851	ug/l	100
40) Benzene	8.085	78	1675603	162.332	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	136495	137.523	ug/l		98
42) 1,2-Dichloroethane	8.158	62	442216	157.491	ug/l		98
43) Isopropyl Acetate	8.201	43	522842	155.250	ug/l		98
44) Trichloroethene	8.866	130	394832	156.583	ug/l		97
45) 1,2-Dichloropropane	9.140	63	385206	156.539	ug/l		99
46) Dibromomethane	9.231	93	218014	158.140	ug/l		100
47) Bromodichloromethane	9.426	83	560425	160.221	ug/l		97
48) Methyl methacrylate	9.225	41	252724	163.897	ug/l		99
49) 1,4-Dioxane	9.231	88	50874	3093.301	ug/l		95
51) 4-Methyl-2-Pentanone	10.000	43	1358512	812.744	ug/l		98
52) Toluene	10.170	92	1093200	168.447	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	537922	166.237	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	615667	162.259	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	274460	158.086	ug/l		97
56) Ethyl methacrylate	10.438	69	423233	167.865	ug/l		99
57) 1,3-Dichloropropane	10.719	76	488570	158.010	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	1000760	890.345	ug/l		100
59) 2-Hexanone	10.762	43	896627	804.699	ug/l		100
60) Dibromochloromethane	10.914	129	356873	162.227	ug/l		100
61) 1,2-Dibromoethane	11.018	107	254128	158.625	ug/l		96
64) Tetrachloroethene	10.646	164	406758	152.453	ug/l		98
65) Chlorobenzene	11.444	112	1113347	163.544	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	395046	171.190	ug/l		99
67) Ethyl Benzene	11.518	91	2196819	173.285	ug/l		100
68) m/p-Xylenes	11.627	106	1694177	353.103	ug/l		100
69) o-Xylene	11.957	106	777688	173.188	ug/l		99
70) Styrene	11.969	104	1334986	179.564	ug/l		99
71) Bromoform	12.133	173	201469	166.138	ug/l	#	99
73) Isopropylbenzene	12.255	105	2011262	166.060	ug/l		100
74) N-amyl acetate	12.072	43	508301	165.957	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	310641	157.927	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	444562	224.014	ug/l	#	100
77) Bromobenzene	12.530	156	417122	162.489	ug/l		100
78) n-propylbenzene	12.597	91	2416013	163.876	ug/l		98
79) 2-Chlorotoluene	12.682	91	1275581	163.862	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1576906	166.511	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	111432	160.989	ug/l		96
82) 4-Chlorotoluene	12.780	91	1334965	165.467	ug/l		99
83) tert-Butylbenzene	12.999	119	1434641	166.064	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1623289	171.323	ug/l		99
85) sec-Butylbenzene	13.176	105	2140445	163.415	ug/l		100
86) p-Isopropyltoluene	13.292	119	1877539	174.353	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	885058	172.326	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	803022	160.470	ug/l		99
89) n-Butylbenzene	13.615	91	1691118	164.939	ug/l		99
90) Hexachloroethane	13.877	117	338845	160.801	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	705129	159.809	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	44514	149.709	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	390170	161.773	ug/l		97
94) Hexachlorobutadiene	15.023	225	199423	151.389	ug/l		98
95) Naphthalene	15.145	128	753279	162.970	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	321960	157.072	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration

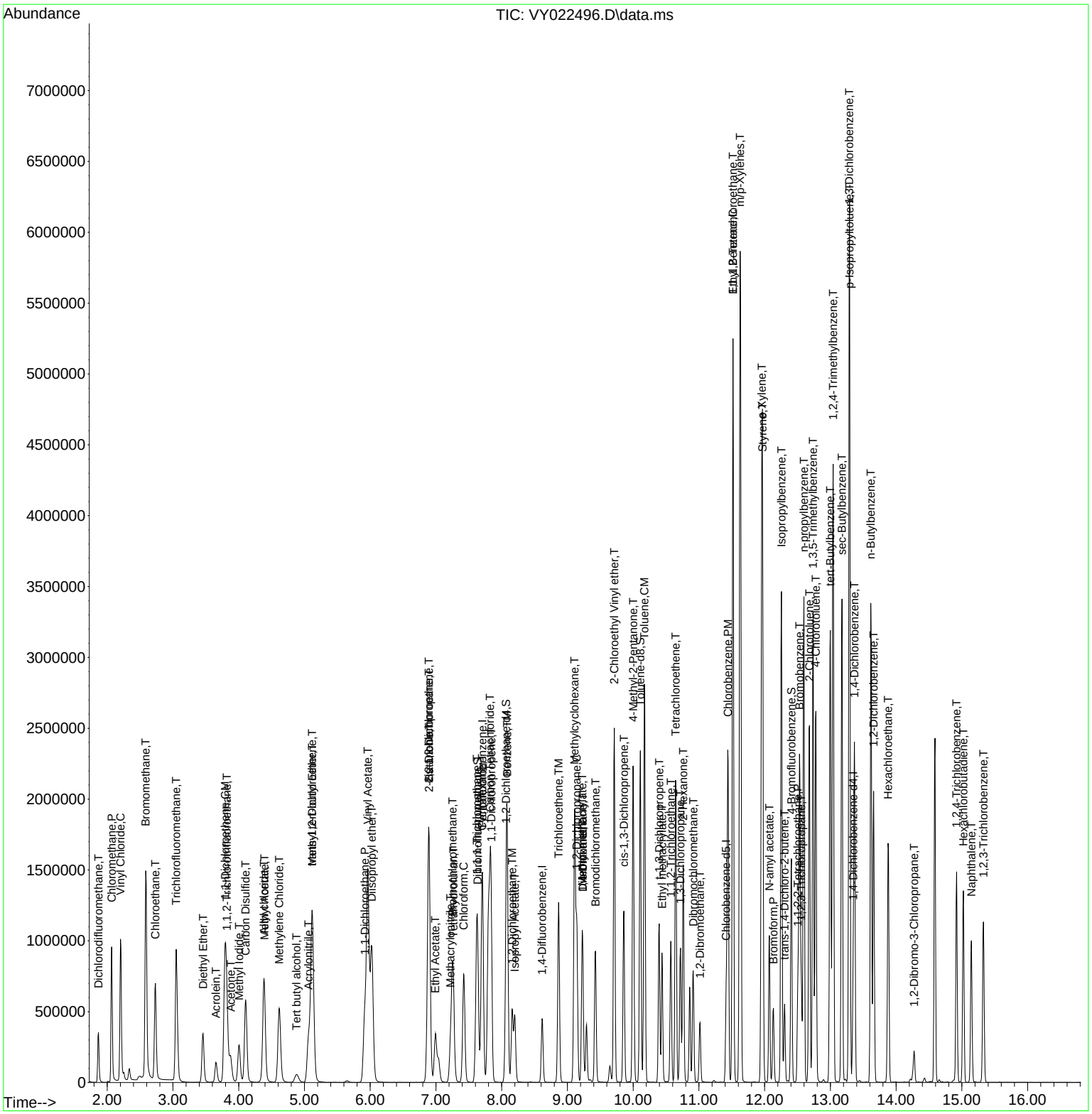
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

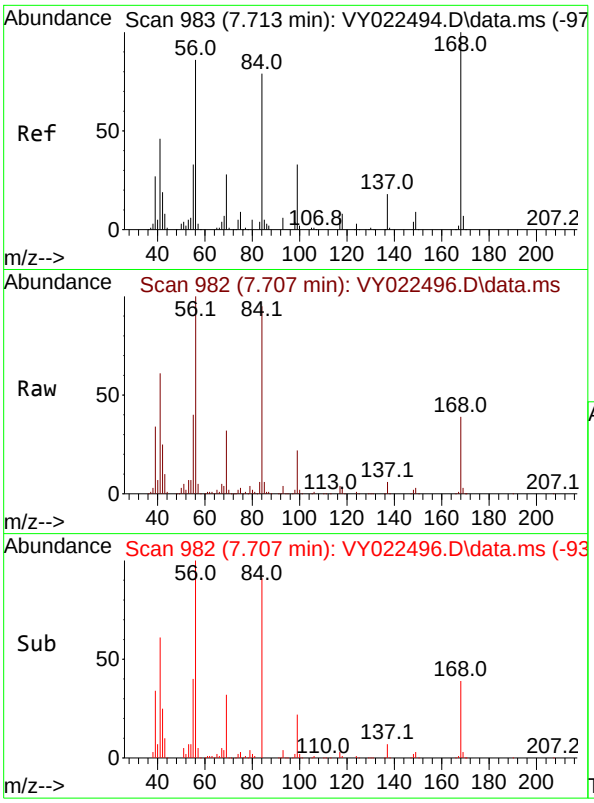
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022496.D
Acq On : 02 Jun 2025 13:39
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Jun 03 02:57:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 02:50:07 2025
Response via : Initial Calibration



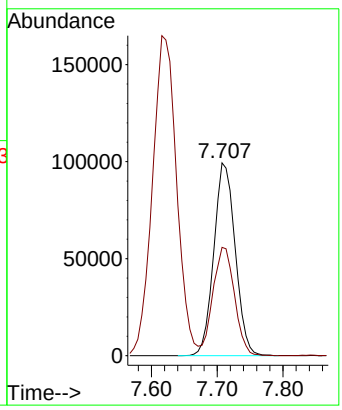


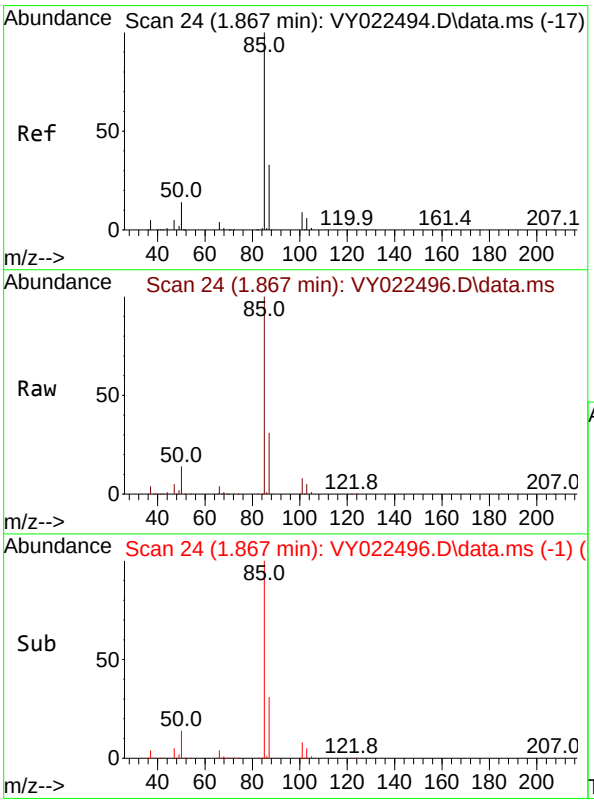
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 225293

Ion	Ratio	Lower	Upper
168	100		
99	56.1	44.3	66.5

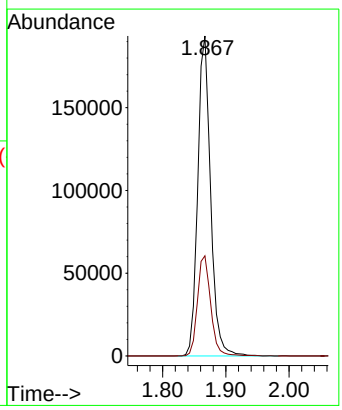


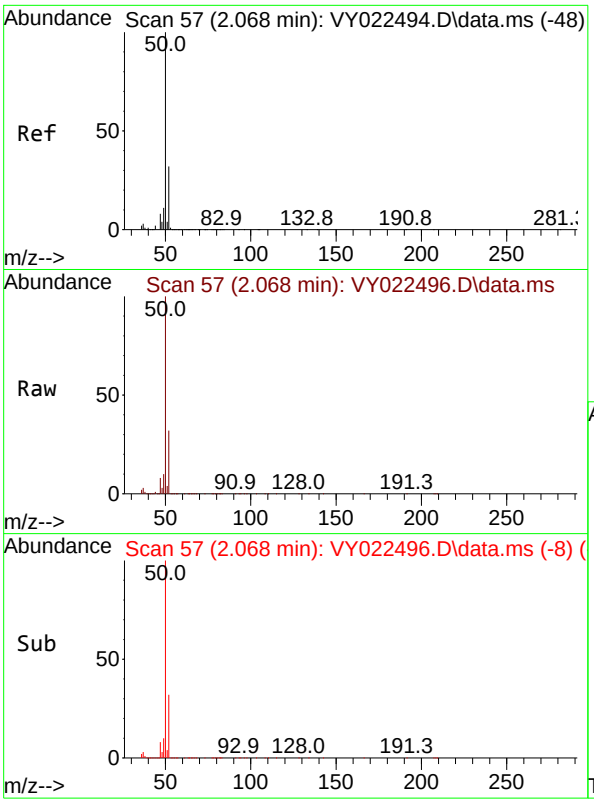


#2
Dichlorodifluoromethane
Concen: 139.086 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 85 Resp: 273817

Ion	Ratio	Lower	Upper
85	100		
87	31.3	16.7	50.0



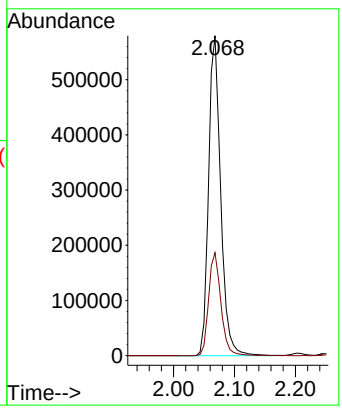


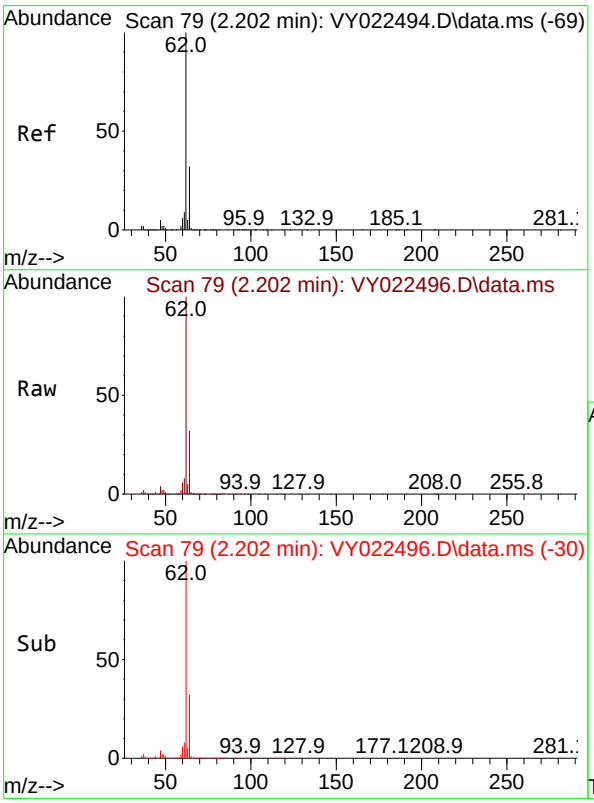
#3
Chloromethane
Concen: 137.873 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 800733

Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.0	39.0

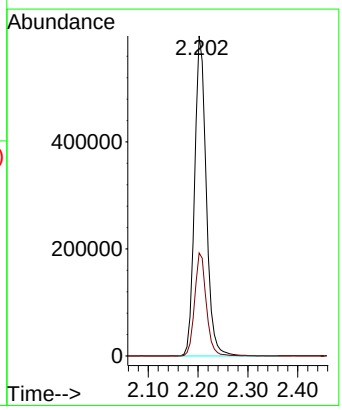


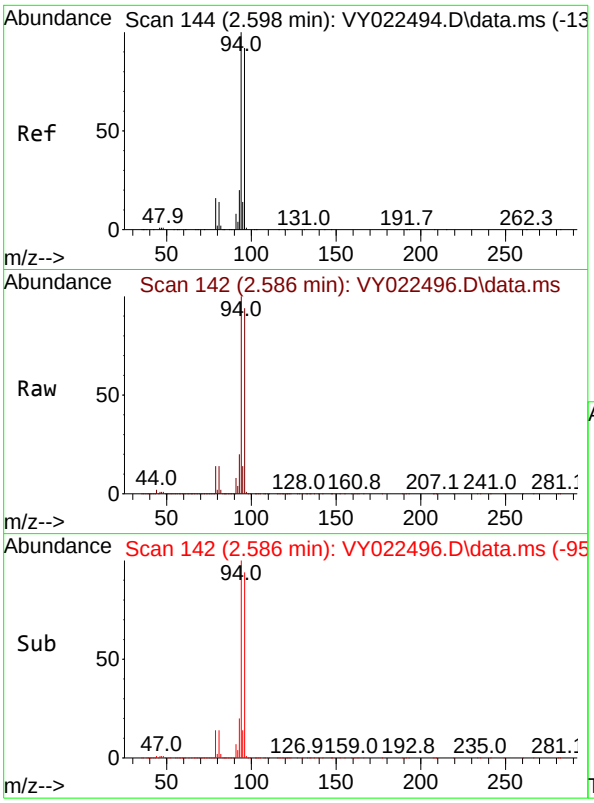


#4
Vinyl Chloride
Concen: 142.366 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 62 Resp: 967746

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.3	37.9



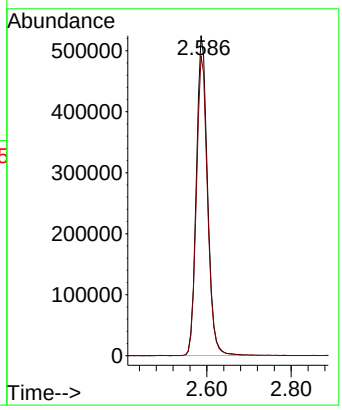


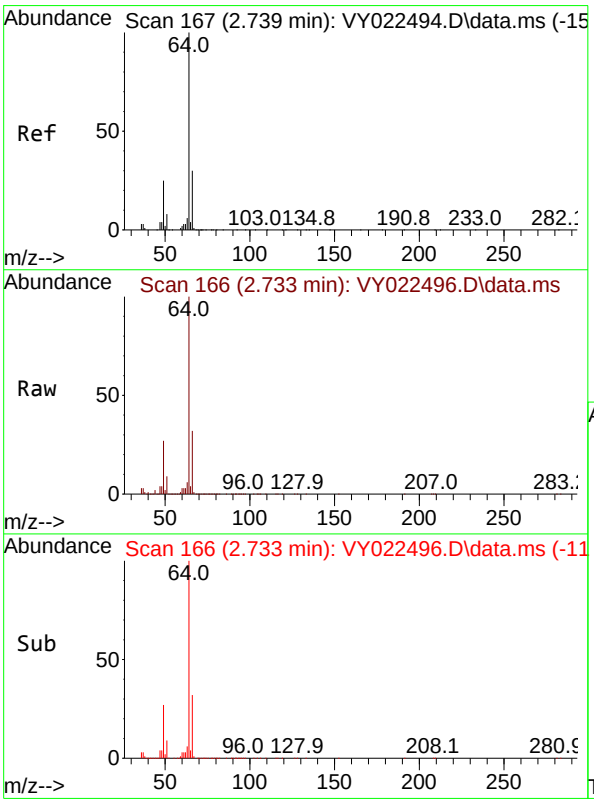
#5
Bromomethane
Concen: 150.991 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 970833

Ion	Ratio	Lower	Upper
94	100		
96	93.7	74.0	111.0

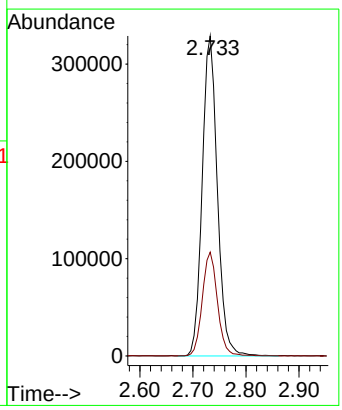


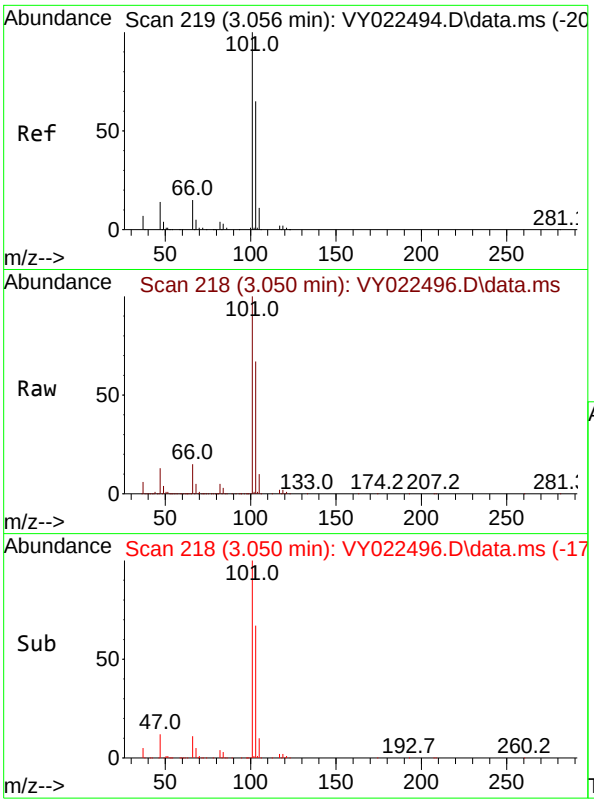


#6
Chloroethane
Concen: 140.013 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 64 Resp: 651603

Ion	Ratio	Lower	Upper
64	100		
66	32.4	23.8	35.6



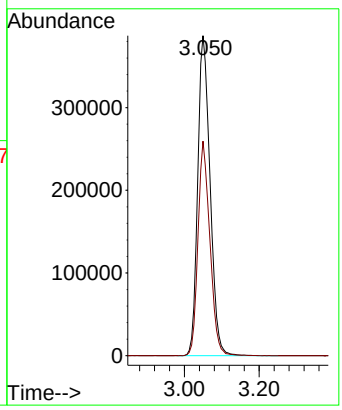


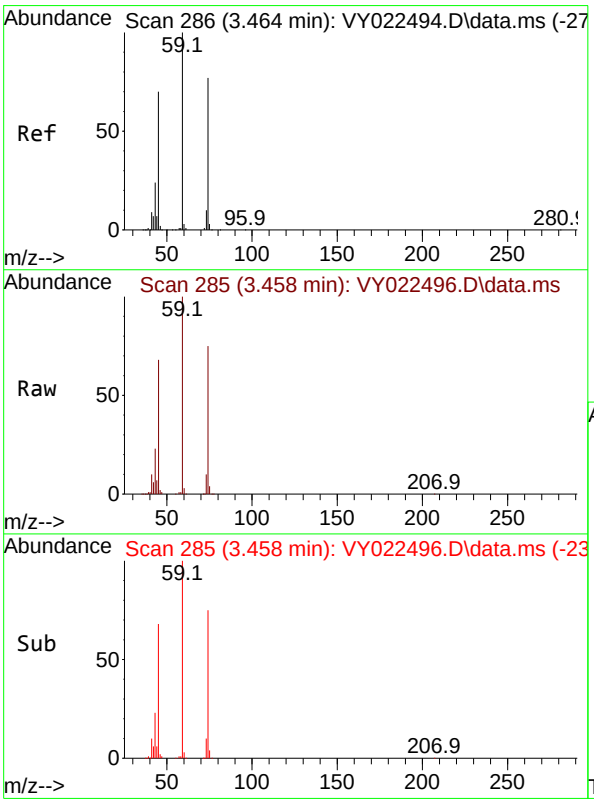
#7
Trichlorofluoromethane
Concen: 153.303 ug/l
RT: 3.050 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 885391

Ion	Ratio	Lower	Upper
101	100		
103	67.0	52.2	78.2

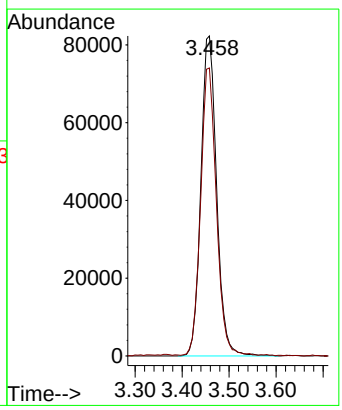


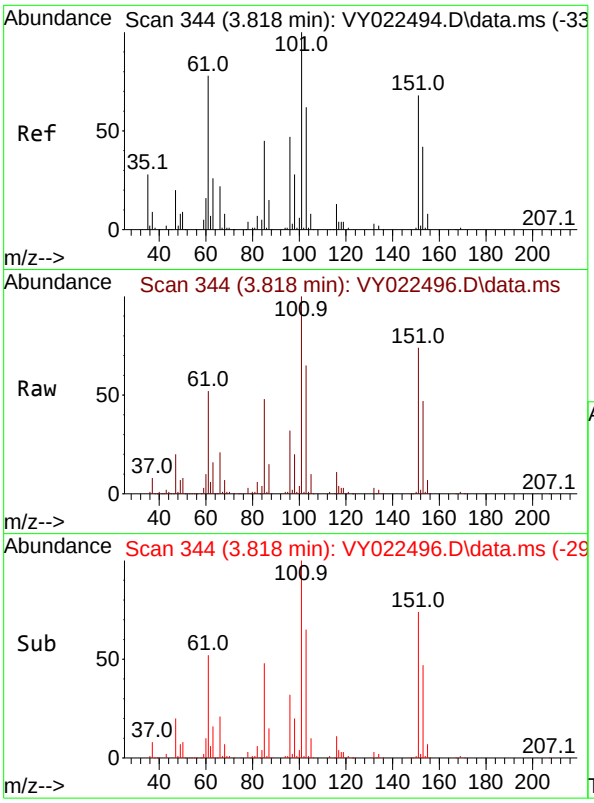


#8
Diethyl Ether
Concen: 150.036 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 74 Resp: 191391

Ion	Ratio	Lower	Upper
74	100		
45	89.8	45.9	137.6



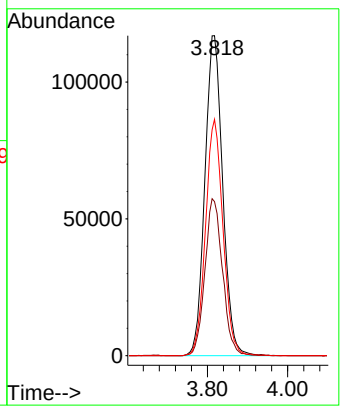


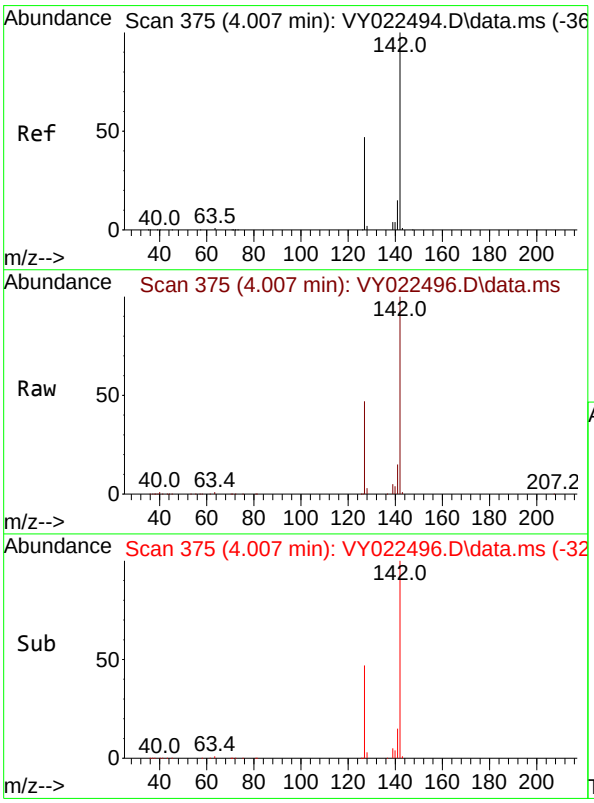
#9
1,1,2-Trichlorotrifluoroethane
Concen: 148.929 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 360800

Ion	Ratio	Lower	Upper
101	100		
85	48.7	39.3	58.9
151	72.4	57.8	86.8

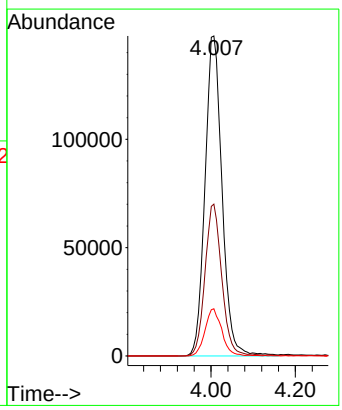


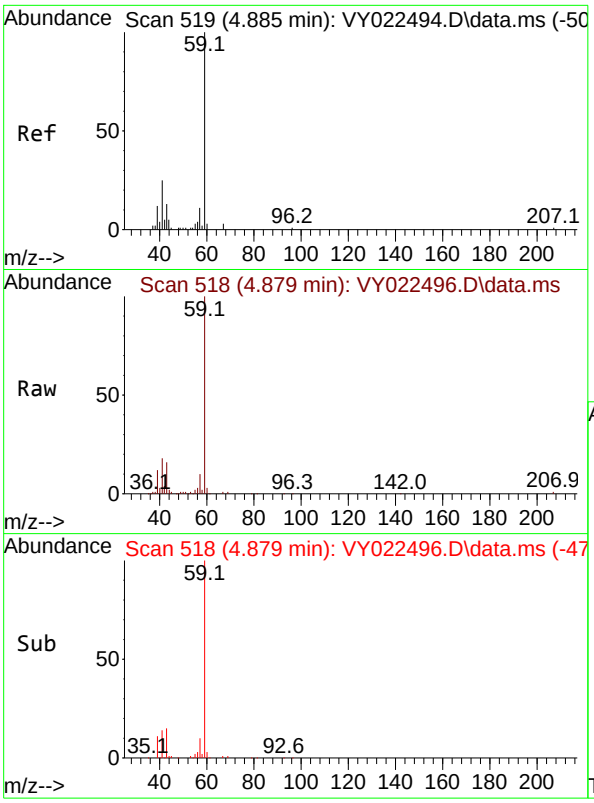


#10
Methyl Iodide
Concen: 160.129 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:142 Resp: 416014

Ion	Ratio	Lower	Upper
142	100		
127	46.7	37.1	55.7
141	14.6	11.4	17.2



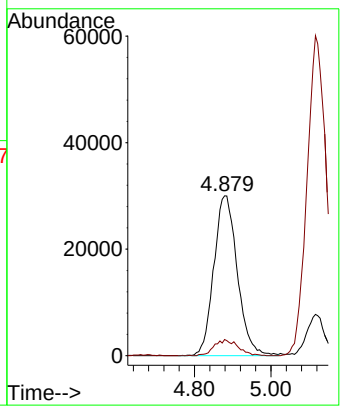


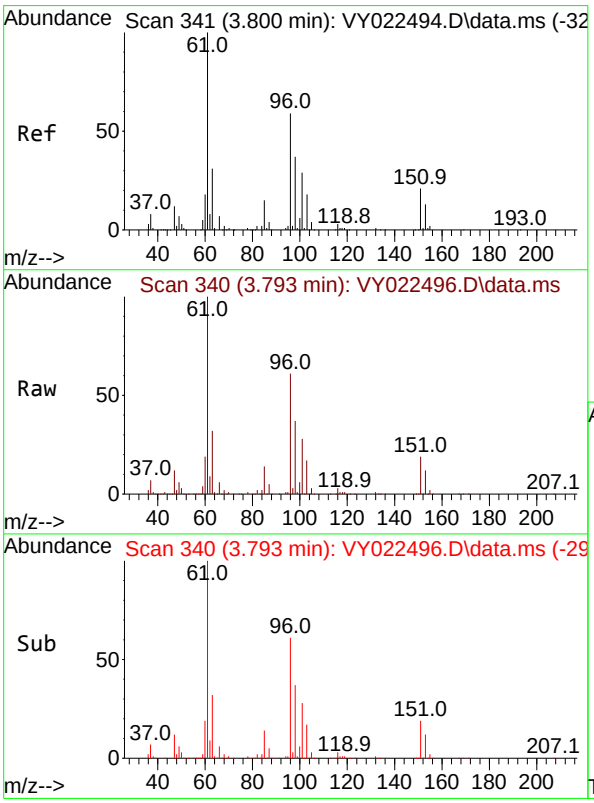
#11
Tert butyl alcohol
Concen: 731.071 ug/l
RT: 4.879 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 128018

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.0	12.0

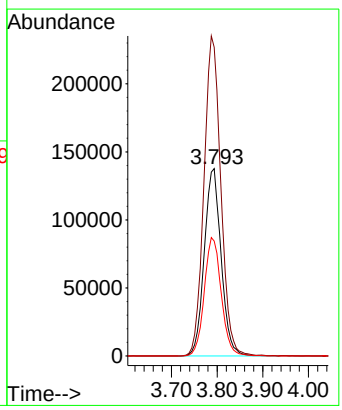


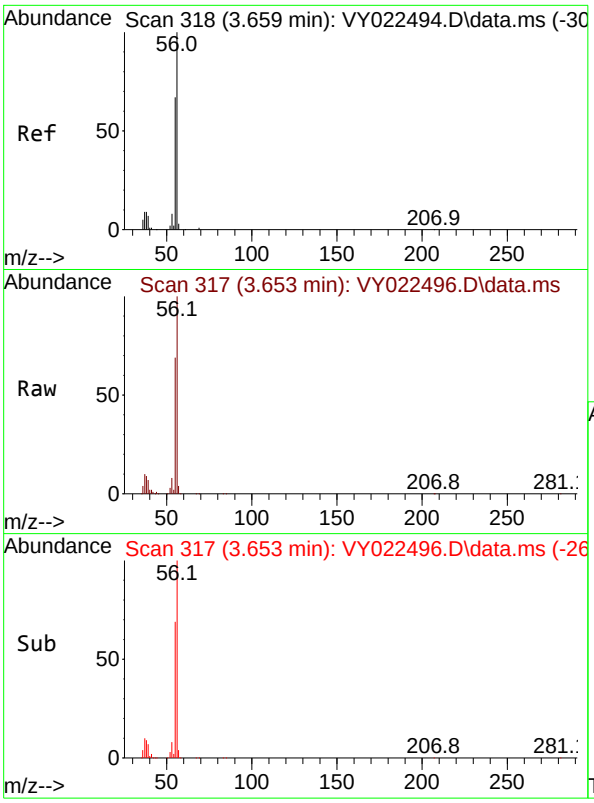


#12
1,1-Dichloroethene
Concen: 152.730 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 96 Resp: 353193

Ion	Ratio	Lower	Upper
96	100		
61	164.8	134.6	201.8
98	61.3	50.2	75.4



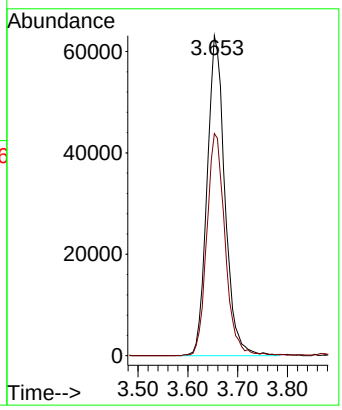


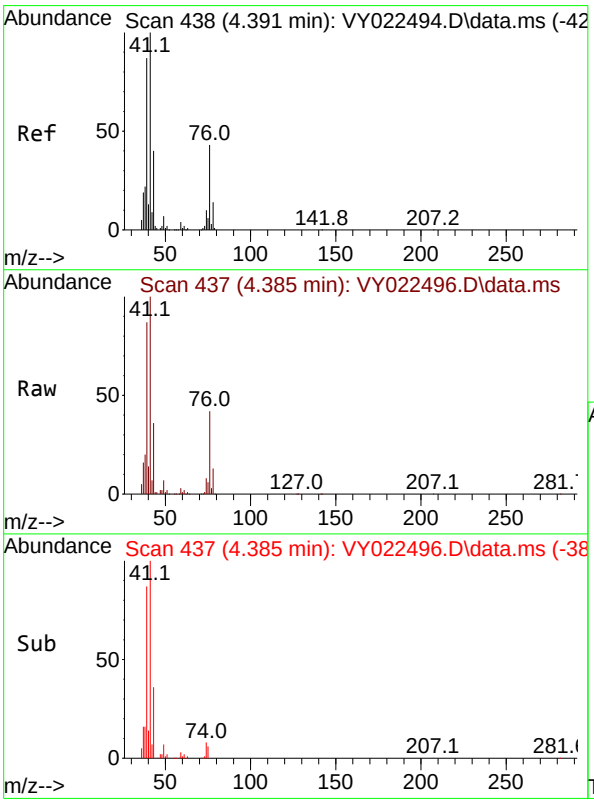
#13
Acrolein
Concen: 731.778 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 156417

Ion	Ratio	Lower	Upper
56	100		
55	70.9	57.0	85.6

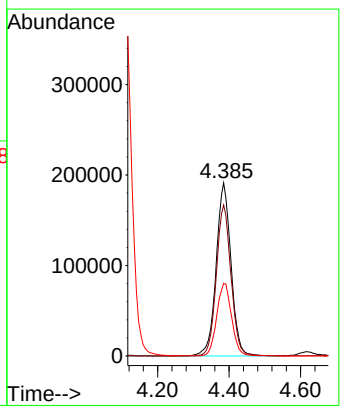


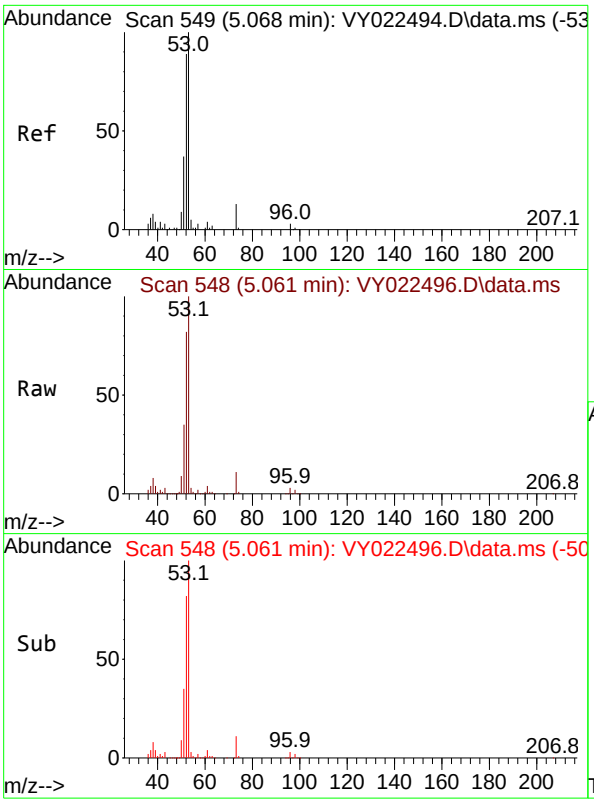


#14
Allyl chloride
Concen: 153.152 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 41 Resp: 551896

Ion	Ratio	Lower	Upper
41	100		
39	86.2	69.1	103.7
76	41.5	33.5	50.3



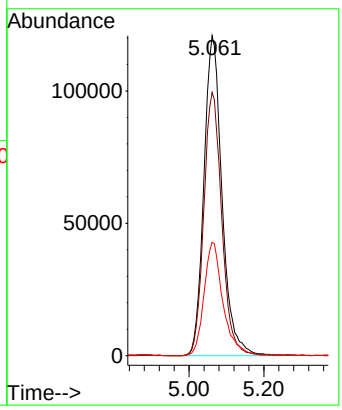


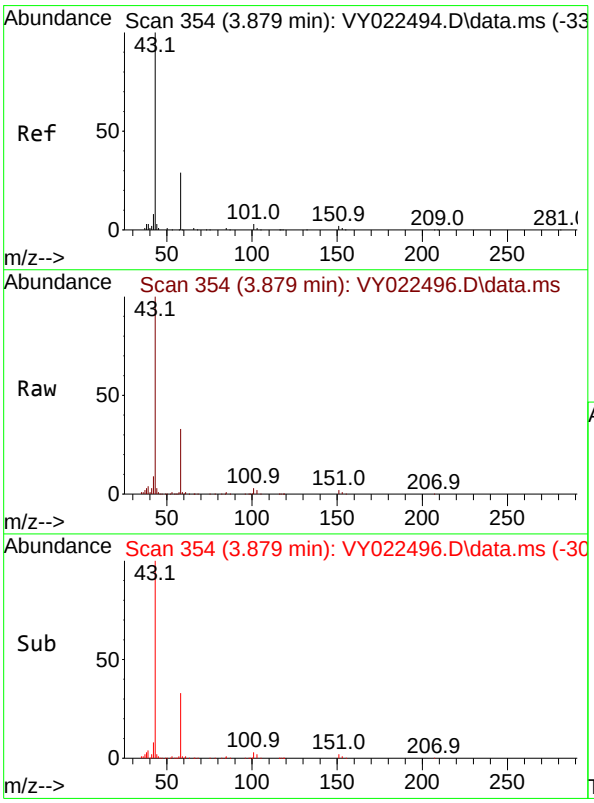
#15
Acrylonitrile
Concen: 749.634 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 406745

Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.7	98.5
51	37.1	30.1	45.1

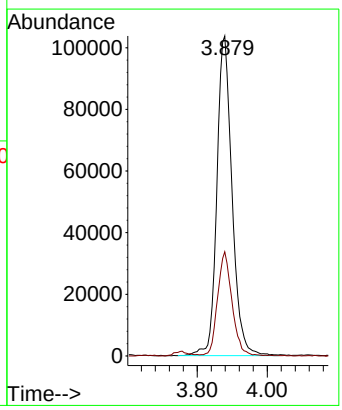


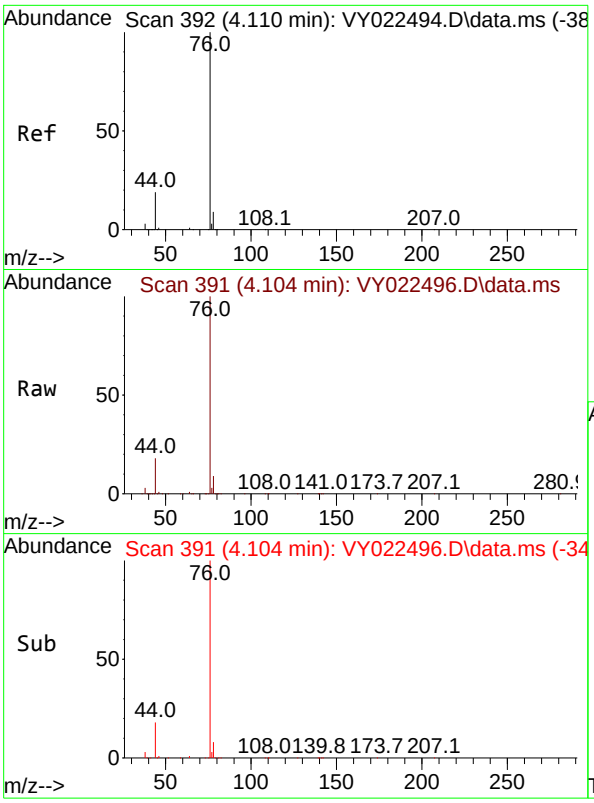


#16
Acetone
Concen: 643.577 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 311886

Ion	Ratio	Lower	Upper
43	100		
58	32.5	24.0	36.0



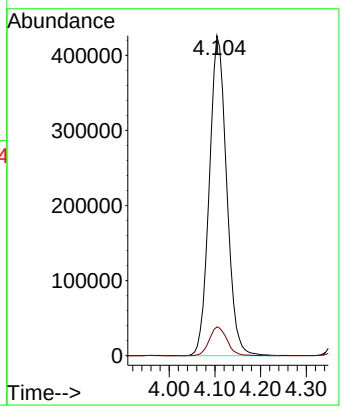


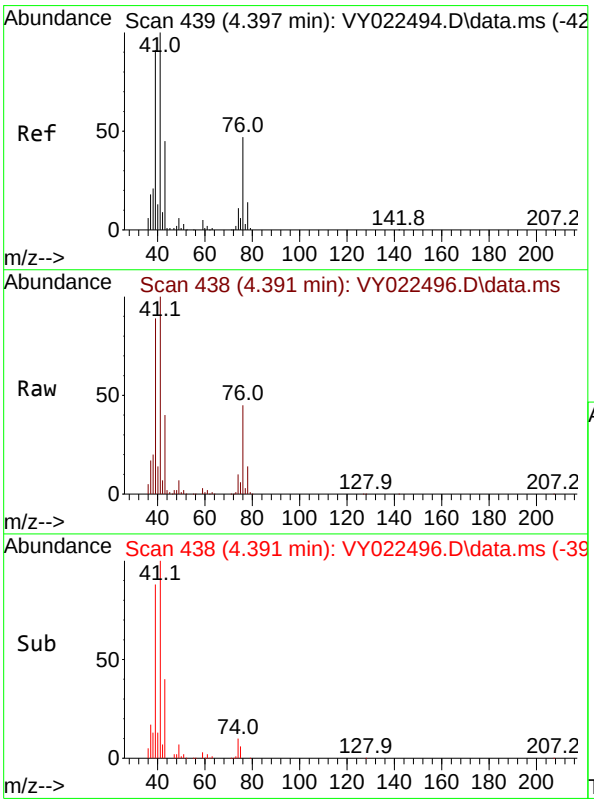
#17
Carbon Disulfide
Concen: 152.513 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 1126077

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

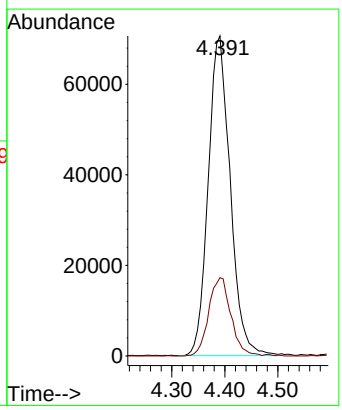


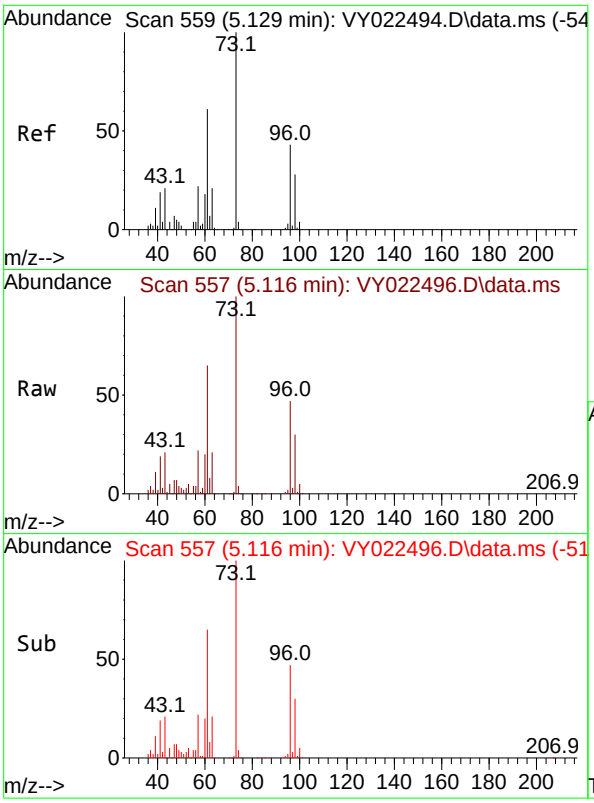


#18
Methyl Acetate
Concen: 139.589 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 203507

Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.8	29.6



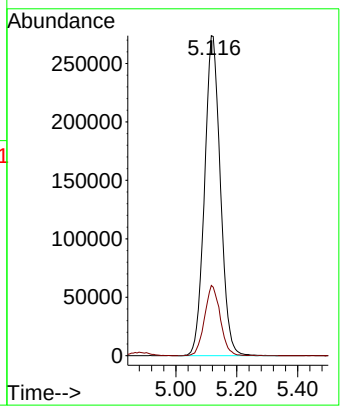


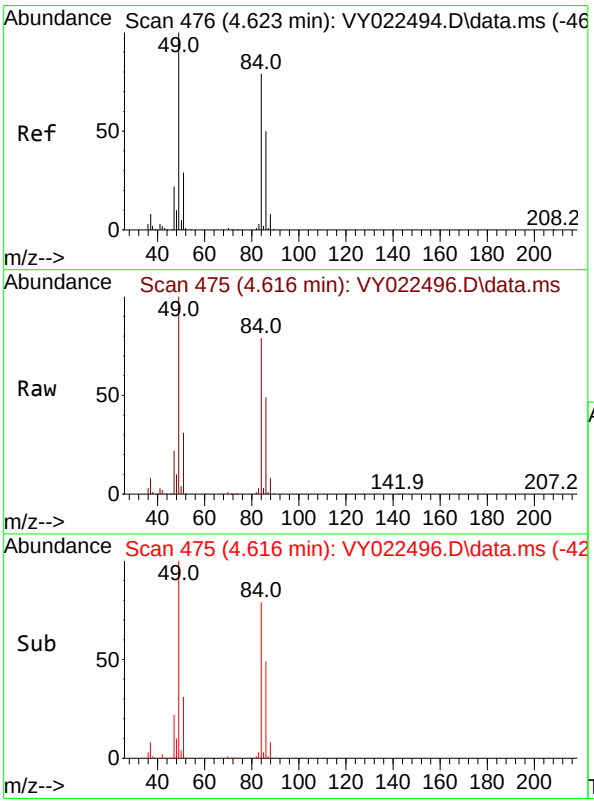
#19
Methyl tert-butyl Ether
Concen: 153.134 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 988071

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.0

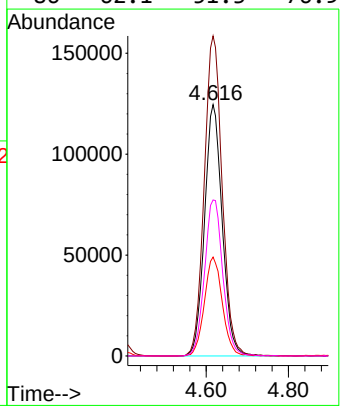


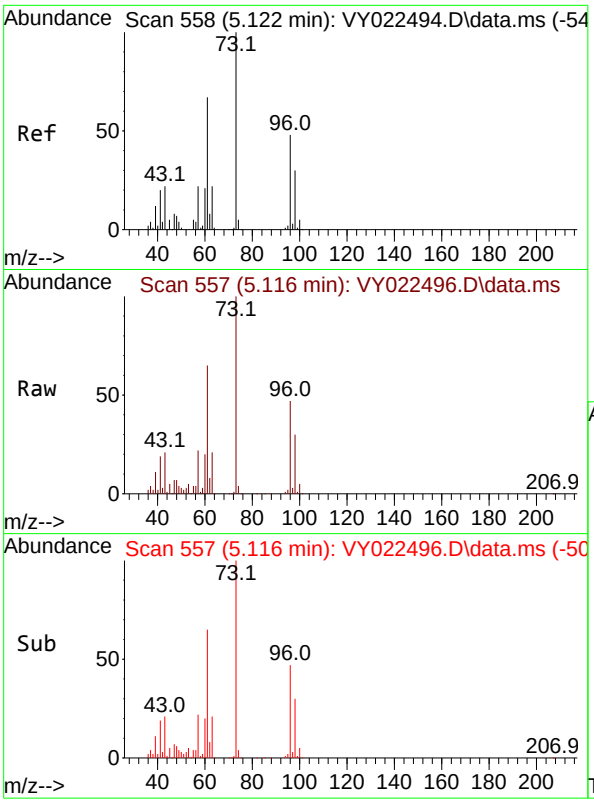


#20
Methylene Chloride
Concen: 137.416 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 84 Resp: 371818

Ion	Ratio	Lower	Upper
84	100		
49	127.3	101.9	152.9
51	39.4	29.8	44.8
86	62.1	51.3	76.9



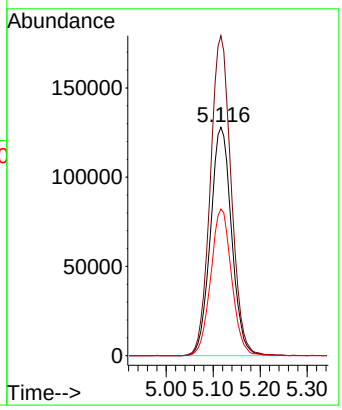


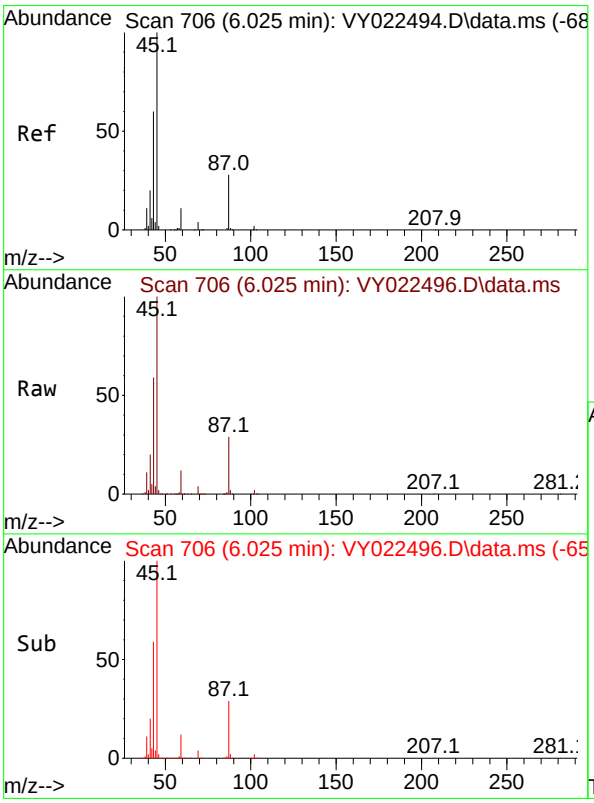
#21
trans-1,2-Dichloroethene
Concen: 154.808 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 399937

Ion	Ratio	Lower	Upper
96	100		
61	140.1	112.6	169.0
98	64.1	50.6	75.8

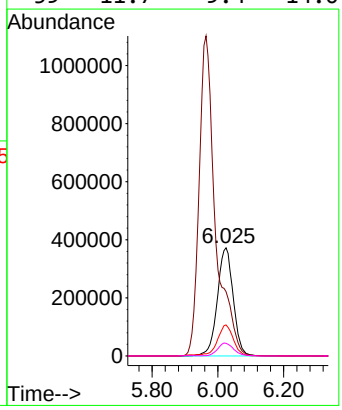


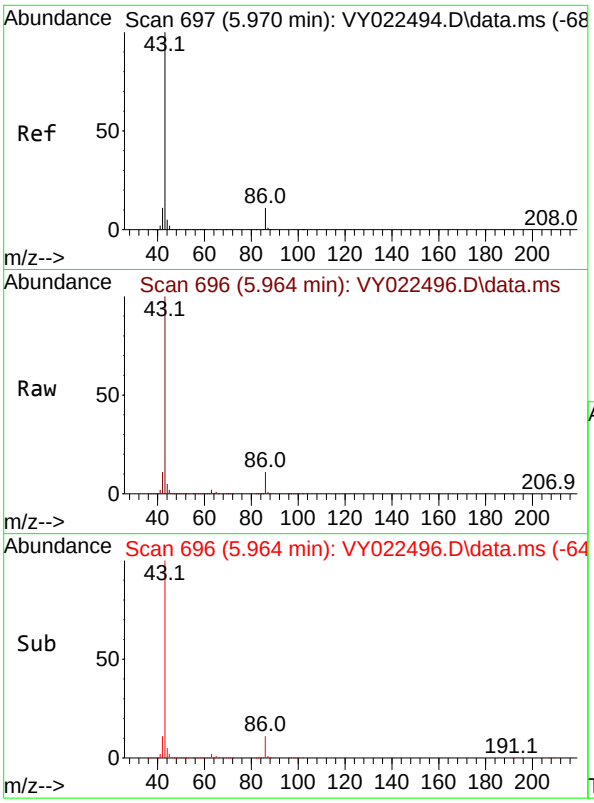


#22
Diisopropyl ether
Concen: 155.346 ug/l
RT: 6.025 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 45 Resp: 1244804

Ion	Ratio	Lower	Upper
45	100		
43	59.5	48.3	72.5
87	28.6	23.0	34.6
59	11.7	9.4	14.0



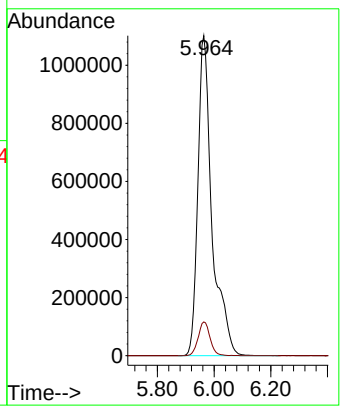


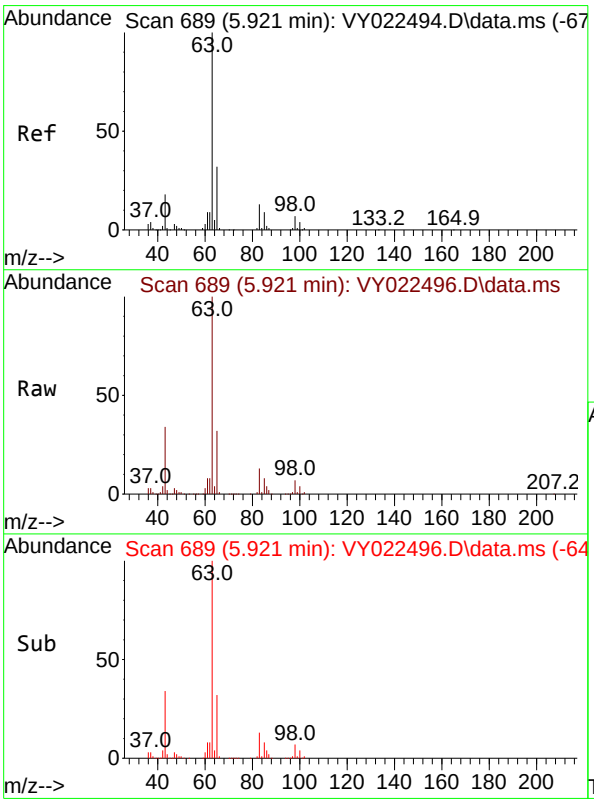
#23
Vinyl Acetate
Concen: 800.629 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 3806024

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.6	12.8

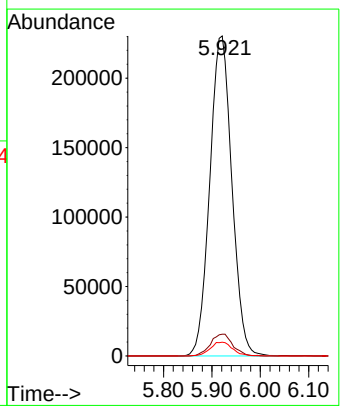


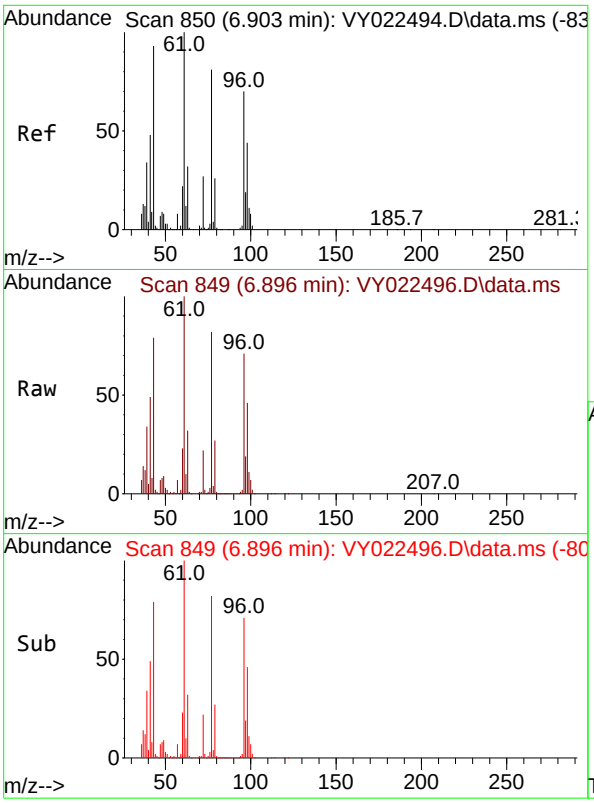


#24
1,1-Dichloroethane
Concen: 154.173 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 63 Resp: 730276

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.1
100	4.3	2.1	6.3



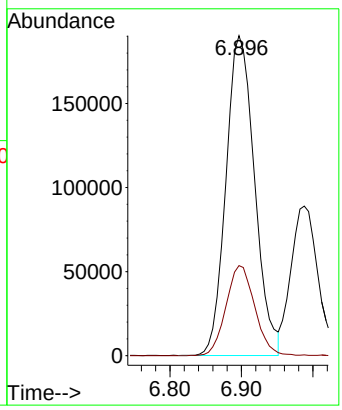


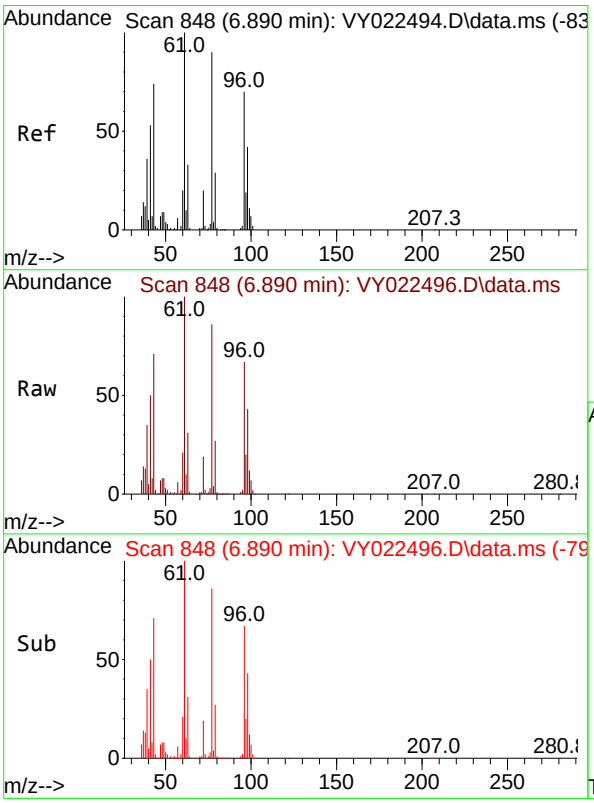
#25
2-Butanone
Concen: 742.386 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 530692

Ion	Ratio	Lower	Upper
43	100		
72	28.2	22.9	34.3

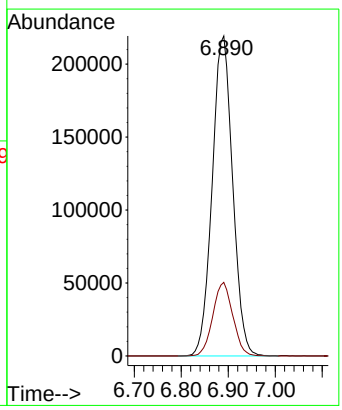


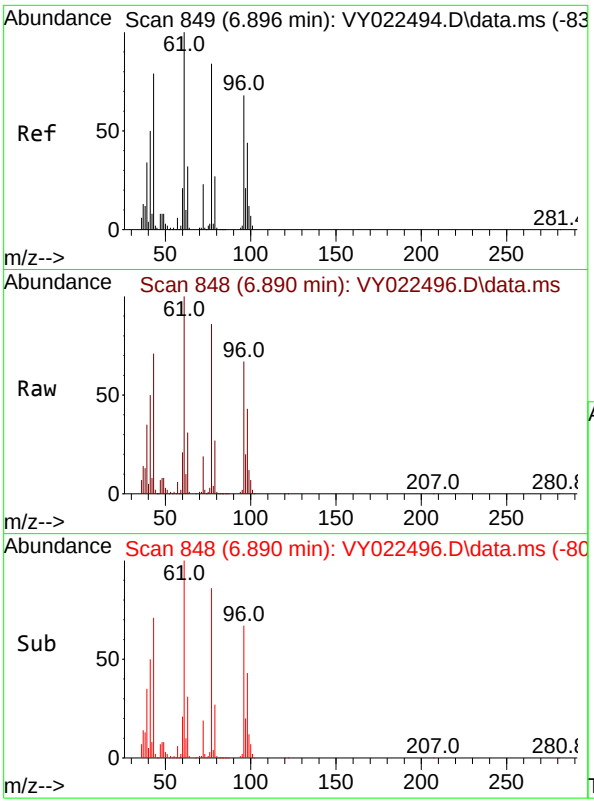


#26
2,2-Dichloropropane
Concen: 157.698 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 77 Resp: 664024

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.4	34.2



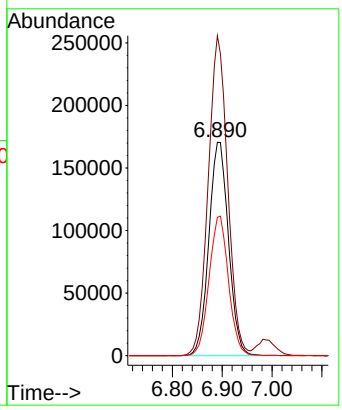


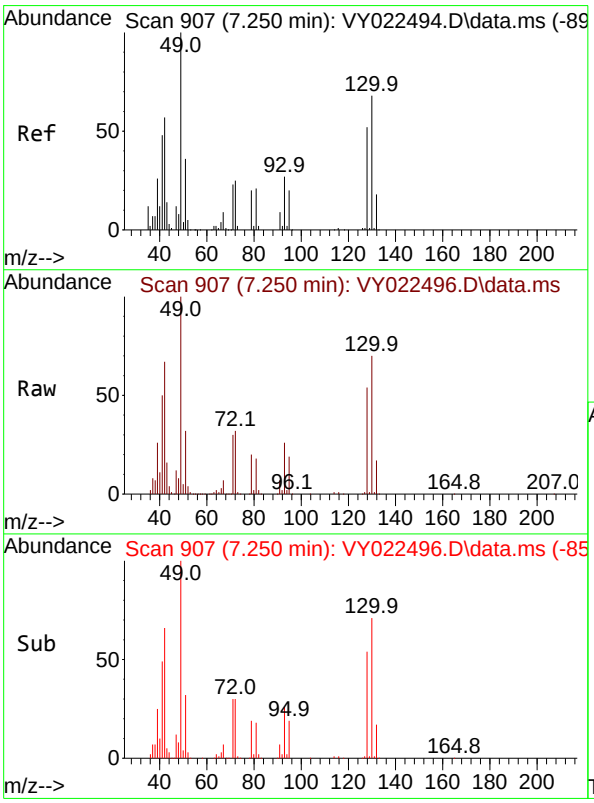
#27
cis-1,2-Dichloroethene
Concen: 156.334 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 466804

Ion	Ratio	Lower	Upper
96	100		
61	148.6	0.0	290.0
98	64.7	0.0	128.4

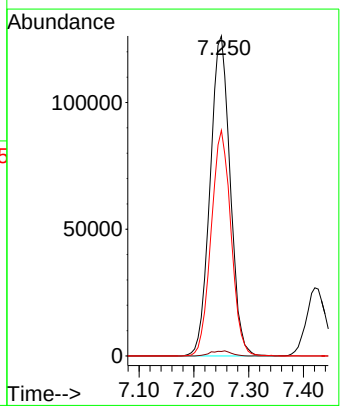


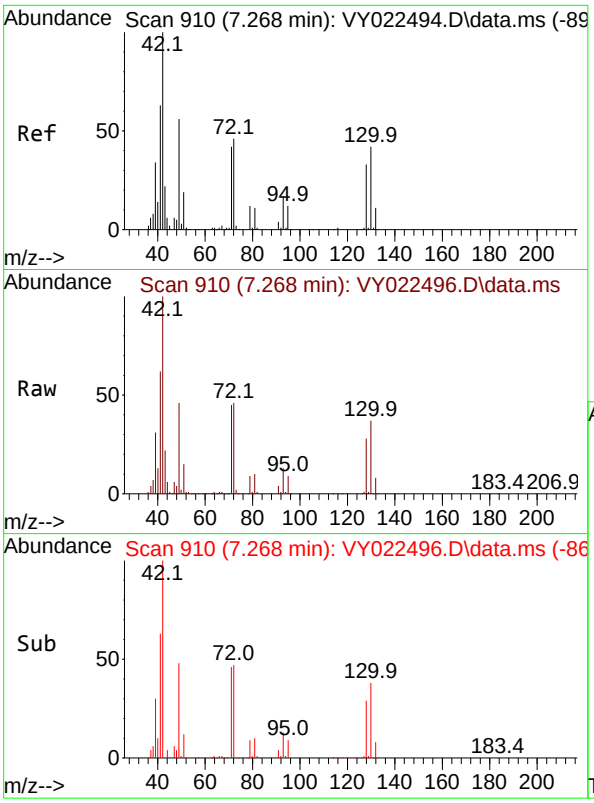


#28
Bromochloromethane
Concen: 156.605 ug/l
RT: 7.250 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 49 Resp: 320509

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	69.8	55.7	83.5



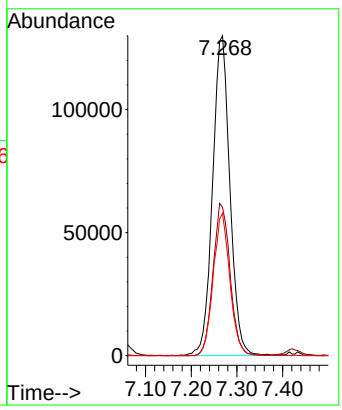


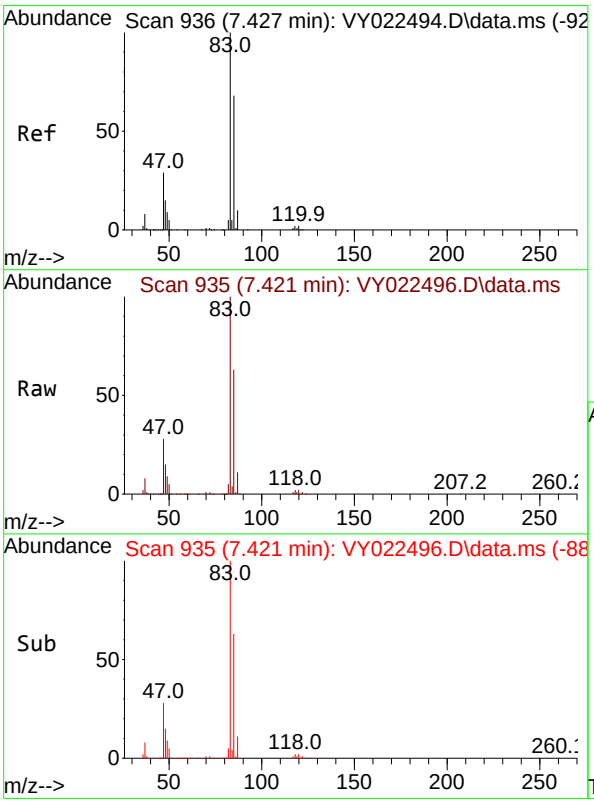
#29
Tetrahydrofuran
Concen: 742.566 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 342435

Ion	Ratio	Lower	Upper
42	100		
72	47.0	37.4	56.2
71	42.9	34.2	51.2

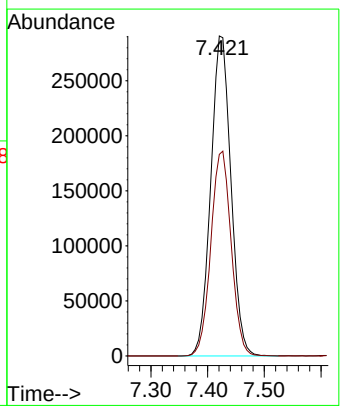


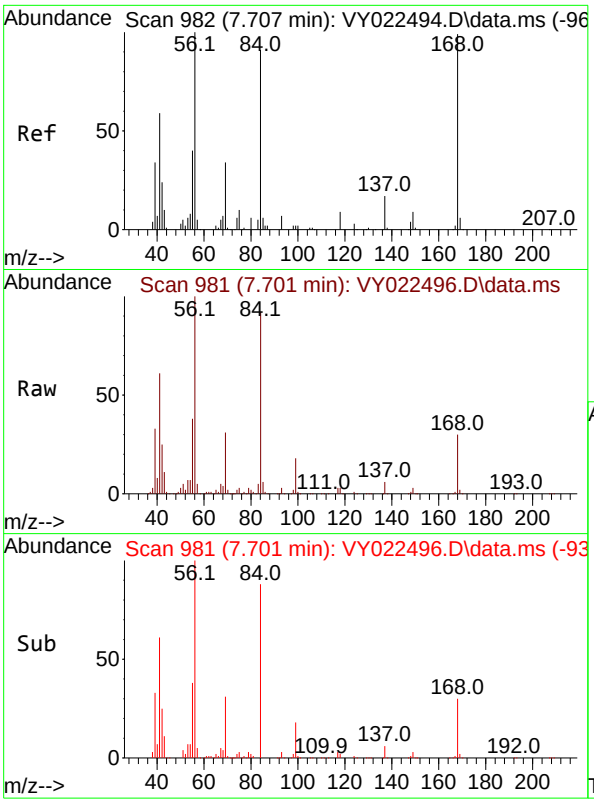


#30
Chloroform
Concen: 153.285 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 83 Resp: 717477

Ion	Ratio	Lower	Upper
83	100		
85	63.0	54.2	81.4



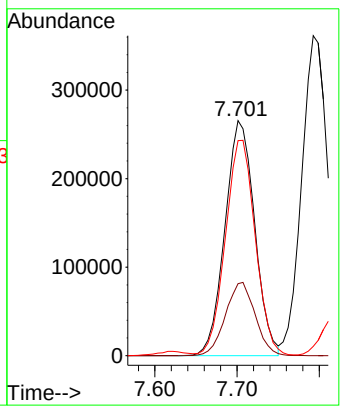


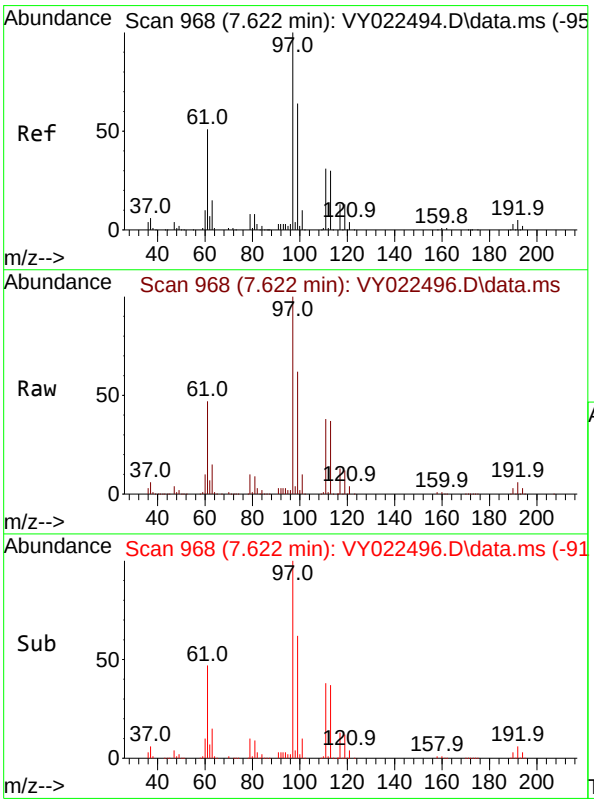
#31
Cyclohexane
Concen: 140.095 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 667836

Ion	Ratio	Lower	Upper
56	100		
69	30.6	27.0	40.6
84	89.9	72.6	109.0

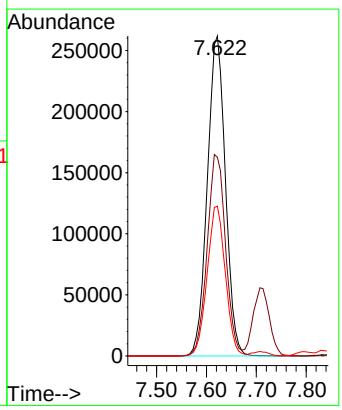


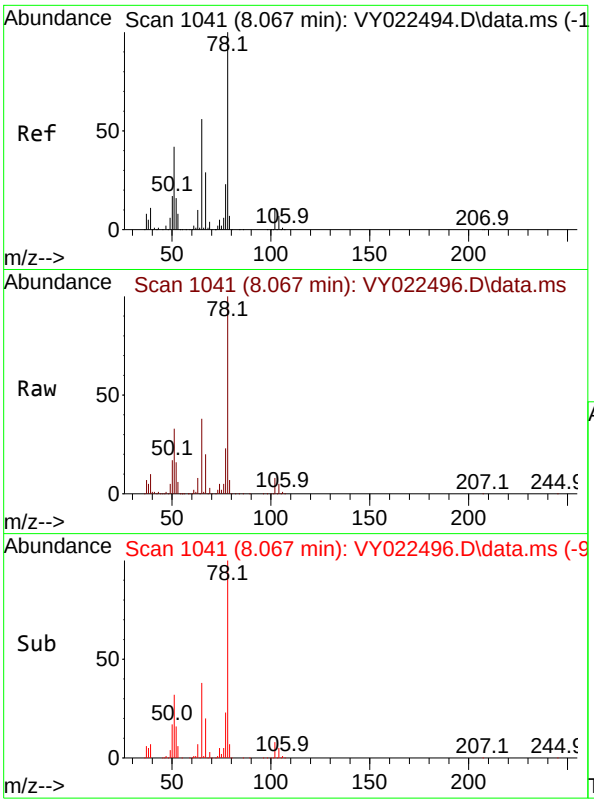


#32
1,1,1-Trichloroethane
Concen: 157.892 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 97 Resp: 660456

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.9	76.3
61	47.2	38.5	57.7



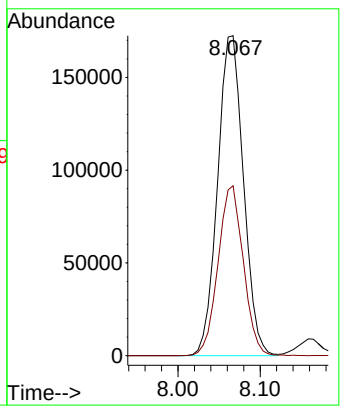


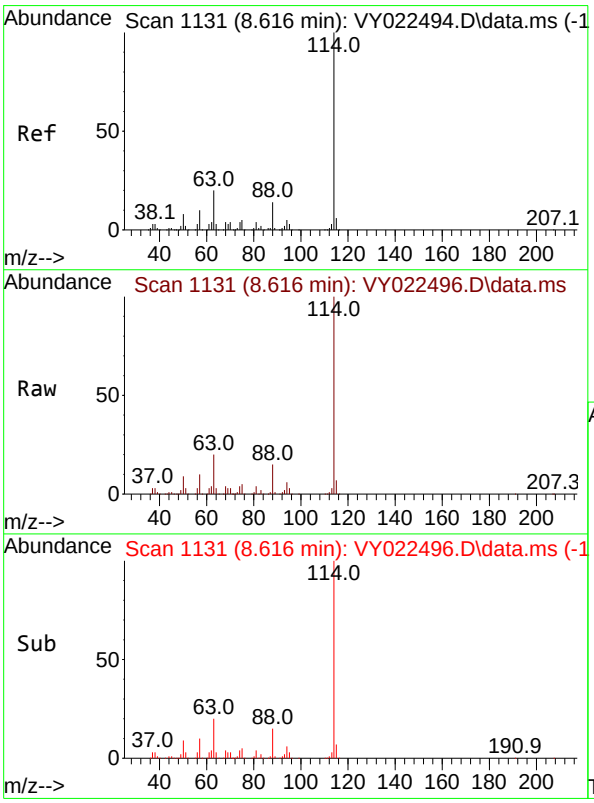
#33
1,2-Dichloroethane-d4
Concen: 154.078 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 377706

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.4

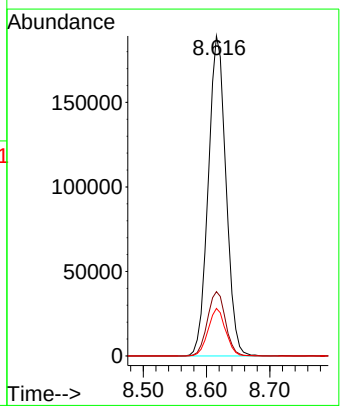


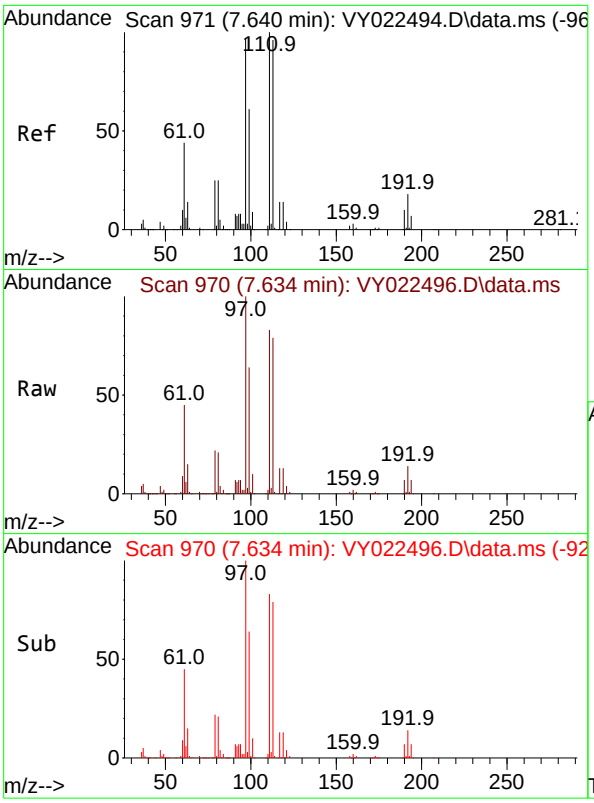


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:114 Resp: 367991

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.8
88	14.8	0.0	27.8



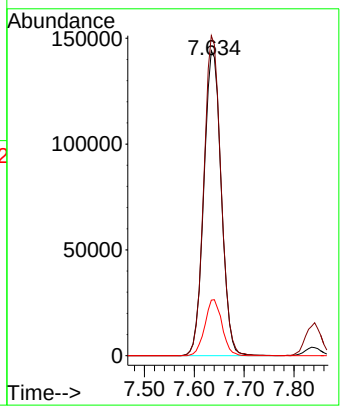


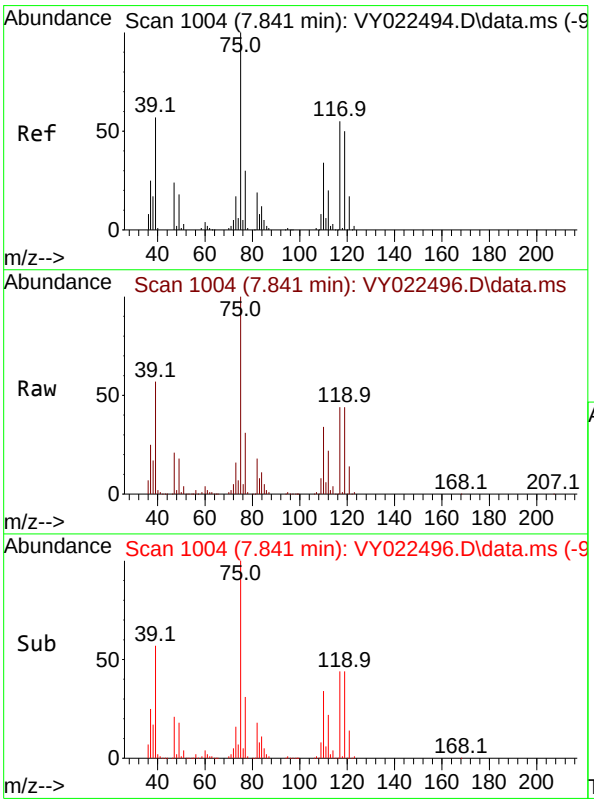
#35
Dibromofluoromethane
Concen: 160.661 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 348038

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.1	121.7
192	18.2	14.2	21.2

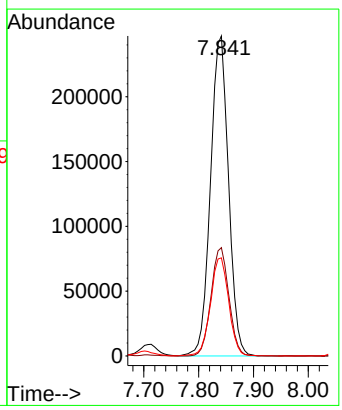


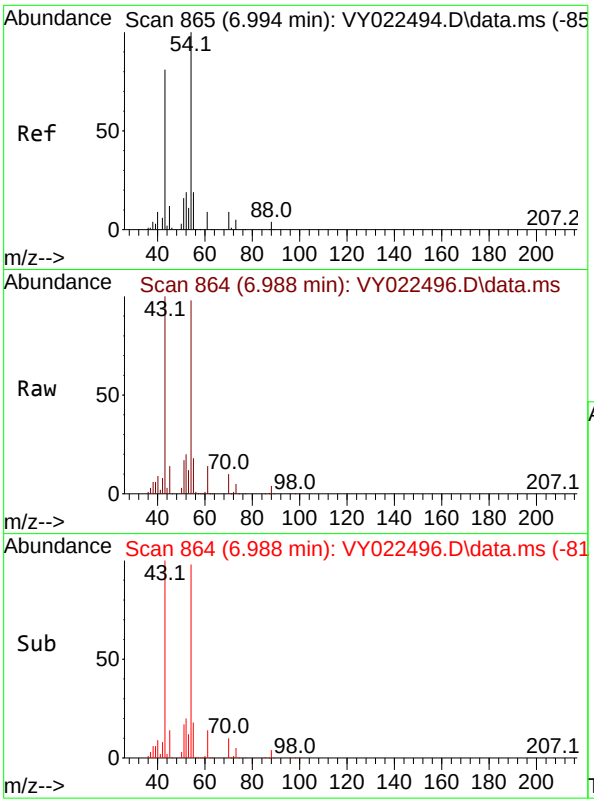


#36
1,1-Dichloropropene
Concen: 160.756 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 75 Resp: 562935

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.9	50.7
77	31.1	24.8	37.2



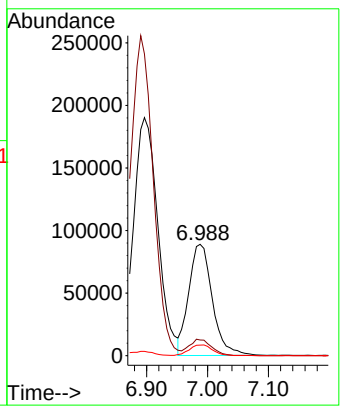


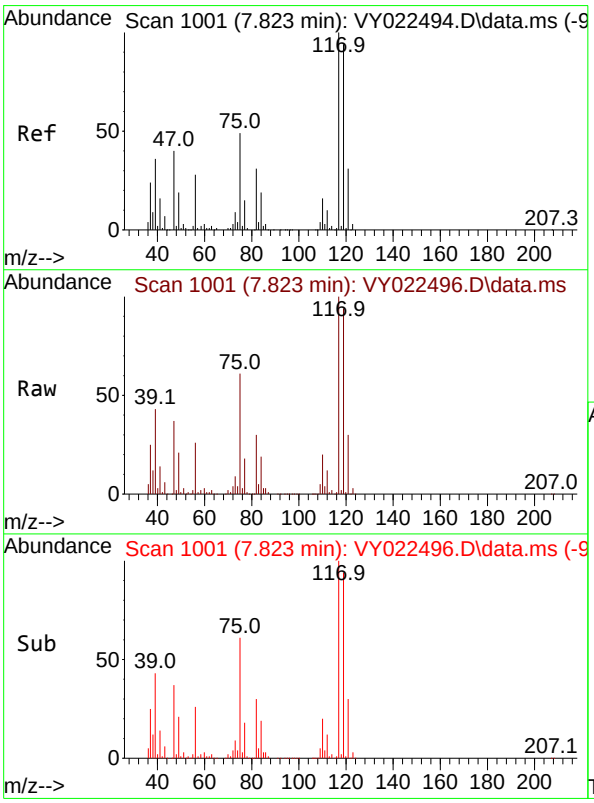
#37
Ethyl Acetate
Concen: 155.059 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 238966

Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.5	17.3
70	9.4	7.2	10.8

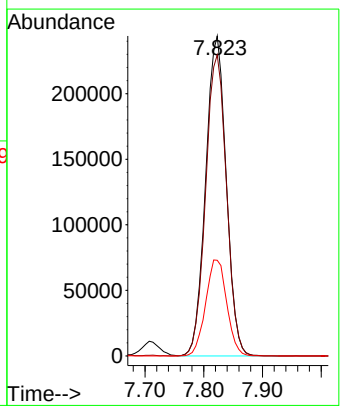


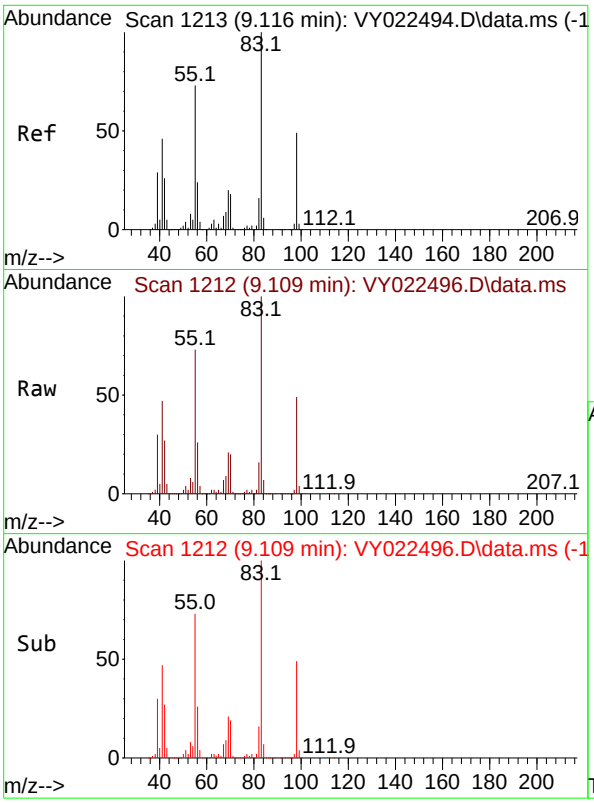


#38
Carbon Tetrachloride
Concen: 164.311 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:117 Resp: 593167

Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.0	112.6
121	29.9	25.0	37.4



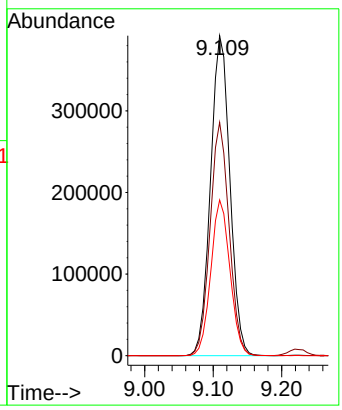


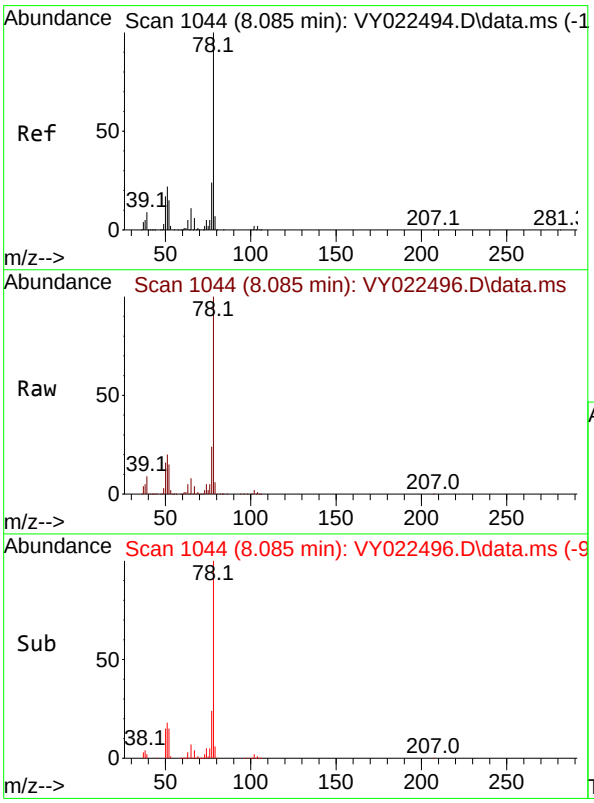
#39
Methylcyclohexane
Concen: 162.851 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 770382

Ion	Ratio	Lower	Upper
83	100		
55	72.9	58.1	87.1
98	48.7	39.0	58.6

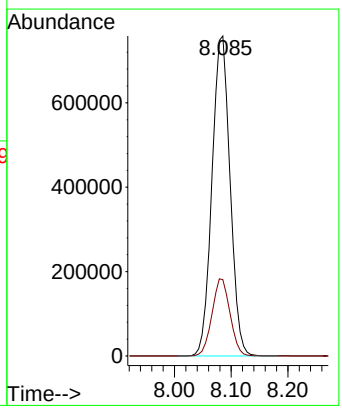


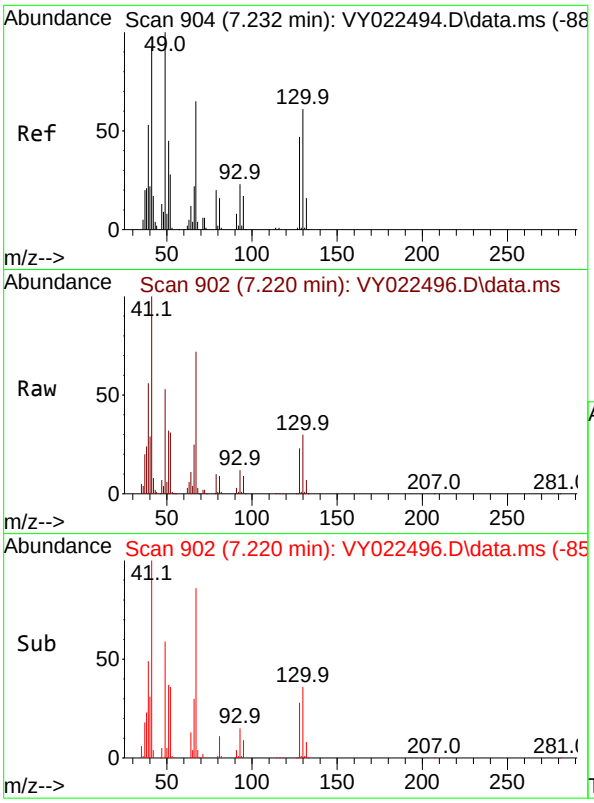


#40
Benzene
Concen: 162.332 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 78 Resp: 1675603

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.3	28.9



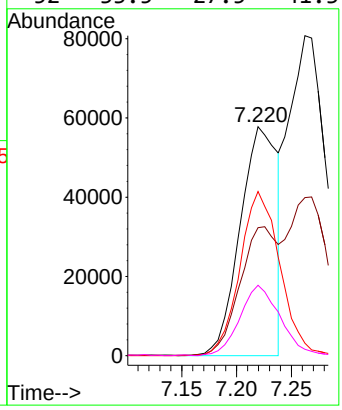


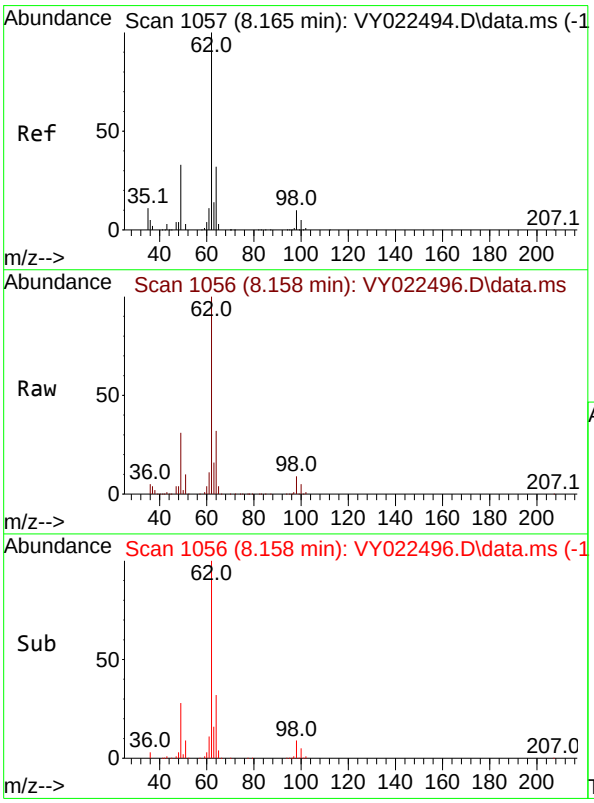
#41
Methacrylonitrile
Concen: 137.523 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 136495

Ion	Ratio	Lower	Upper
41	100		
39	56.5	46.6	69.8
67	77.5	63.3	94.9
52	33.5	27.5	41.3

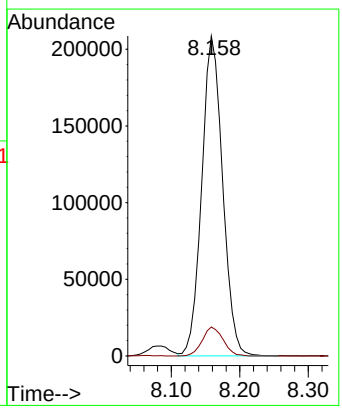


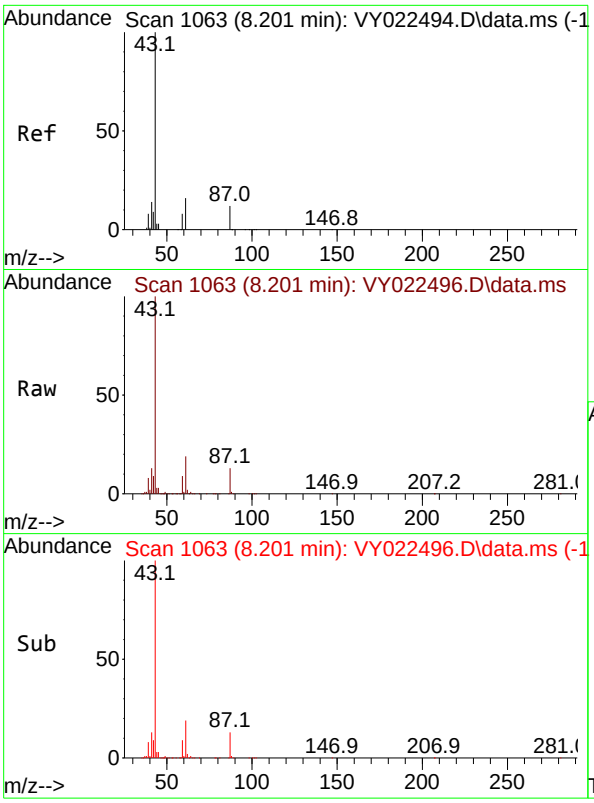


#42
1,2-Dichloroethane
Concen: 157.491 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 62 Resp: 442216

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	19.2



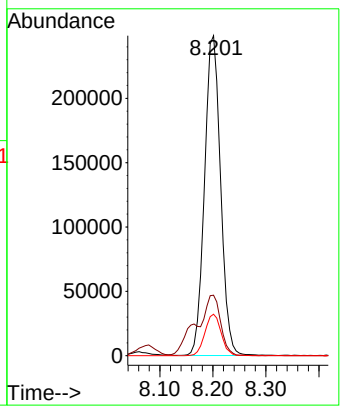


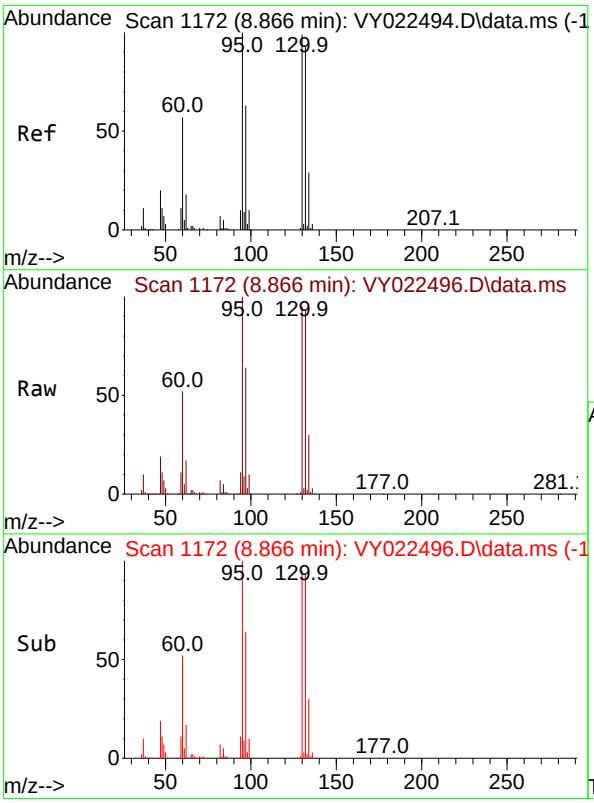
#43
Isopropyl Acetate
Concen: 155.250 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 522842

Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.6	23.4
87	13.1	10.2	15.4

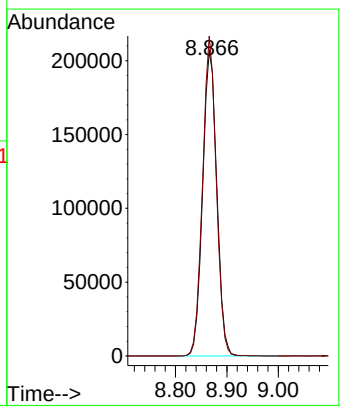


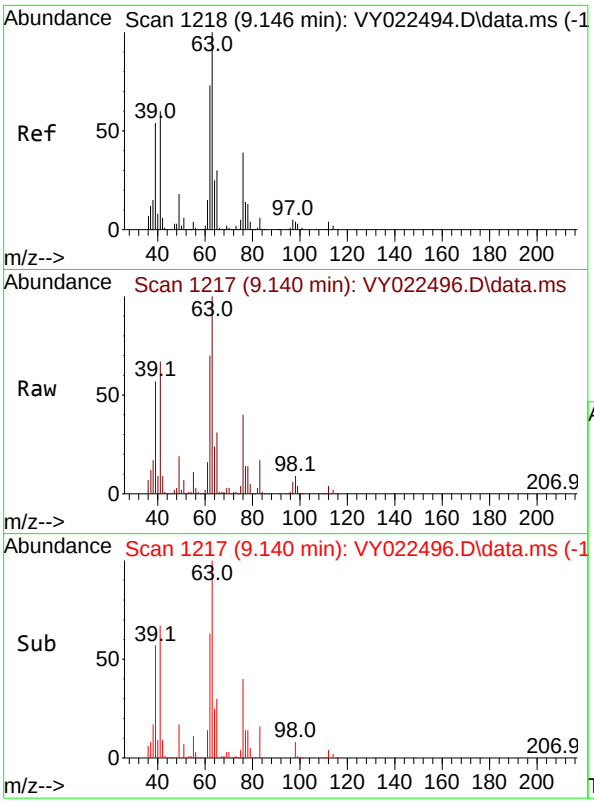


#44
Trichloroethene
Concen: 156.583 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:130 Resp: 394832

Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	203.0



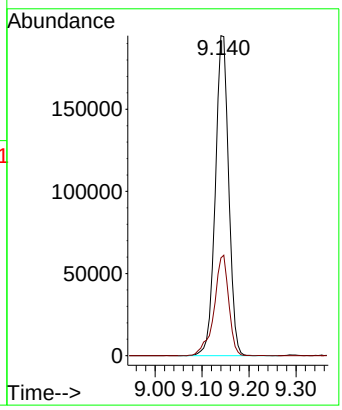


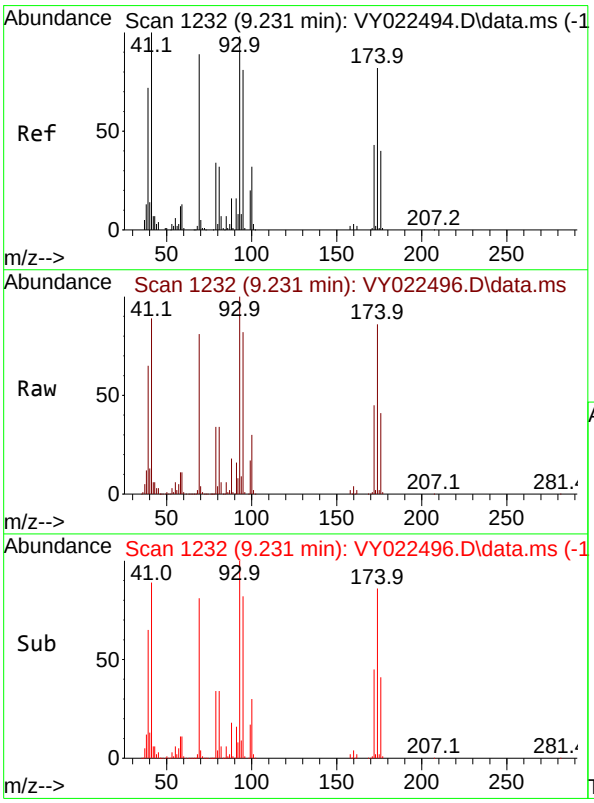
#45
1,2-Dichloropropane
Concen: 156.539 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 385206

Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.0	36.0

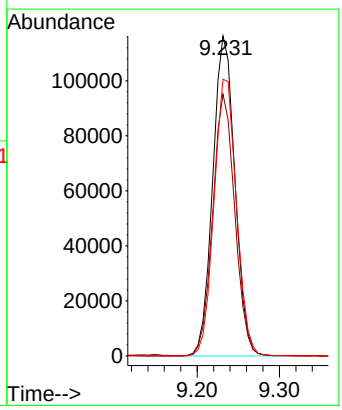


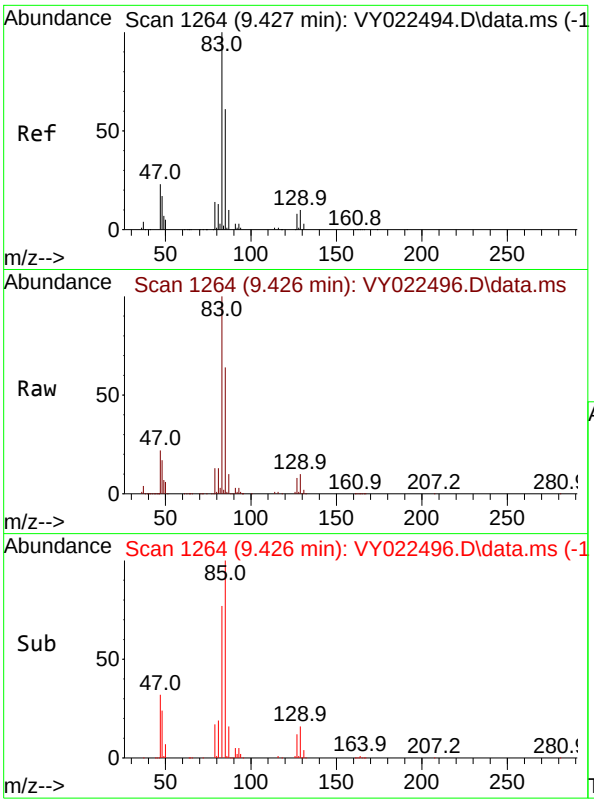


#46
Dibromomethane
Concen: 158.140 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 93 Resp: 218014

Ion	Ratio	Lower	Upper
93	100		
95	81.6	65.6	98.4
174	87.8	70.4	105.6



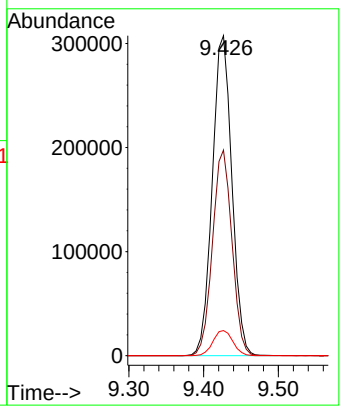


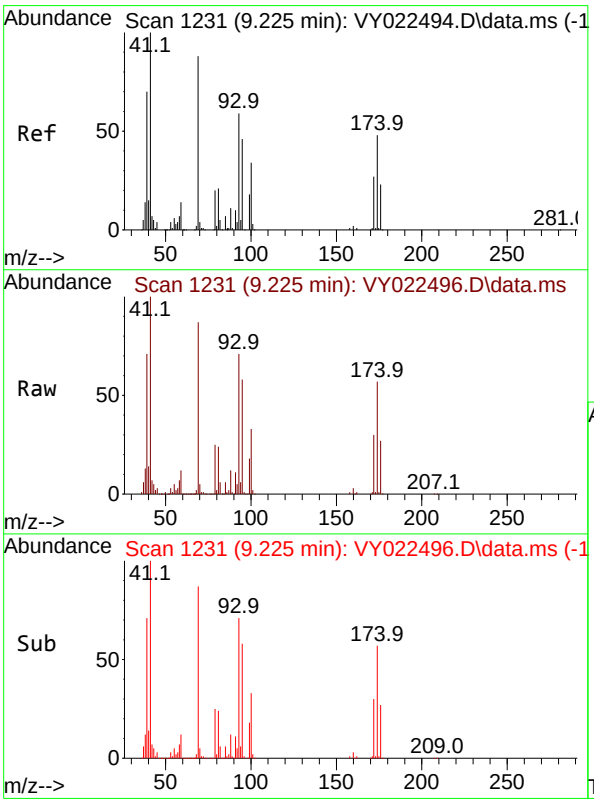
#47
Bromodichloromethane
Concen: 160.221 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 560425

Ion	Ratio	Lower	Upper
83	100		
85	64.3	49.1	73.7
127	7.9	6.2	9.4

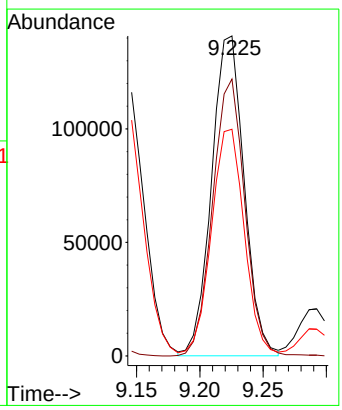


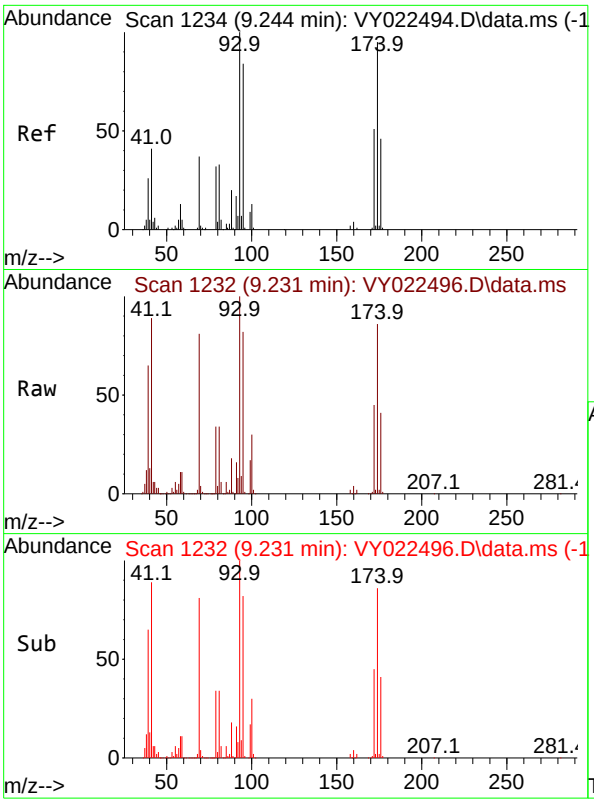


#48
Methyl methacrylate
Concen: 163.897 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 41 Resp: 252724

Ion	Ratio	Lower	Upper
41	100		
69	85.6	67.8	101.8
39	69.7	55.0	82.4



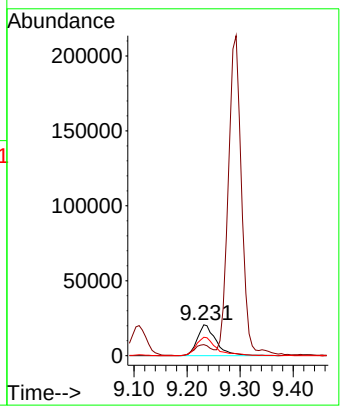


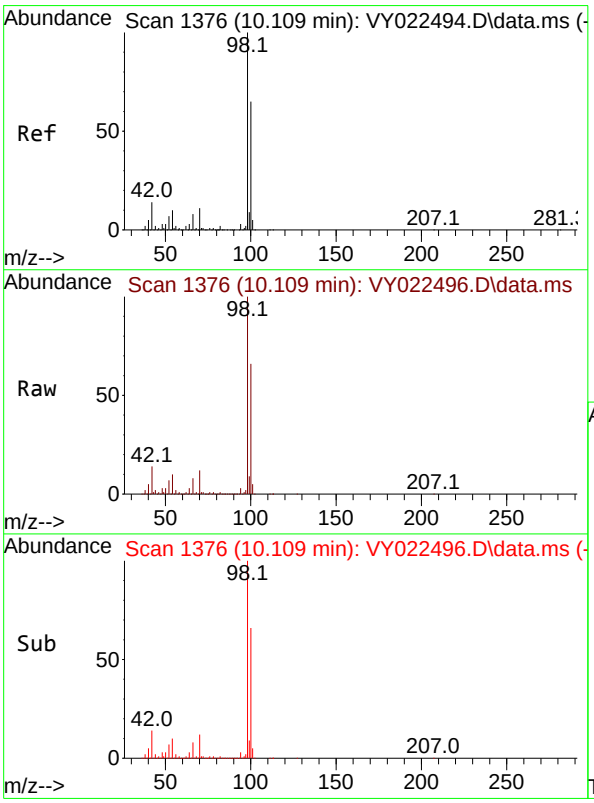
#49
1,4-Dioxane
Concen: 3093.301 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 50874

Ion	Ratio	Lower	Upper
88	100		
43	33.3	25.4	38.2
58	64.1	54.9	82.3

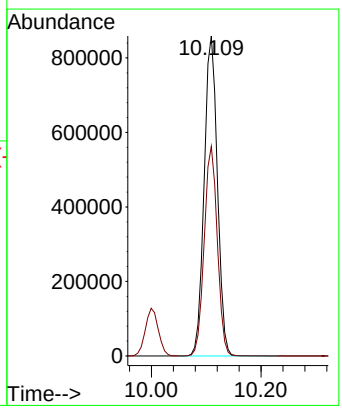


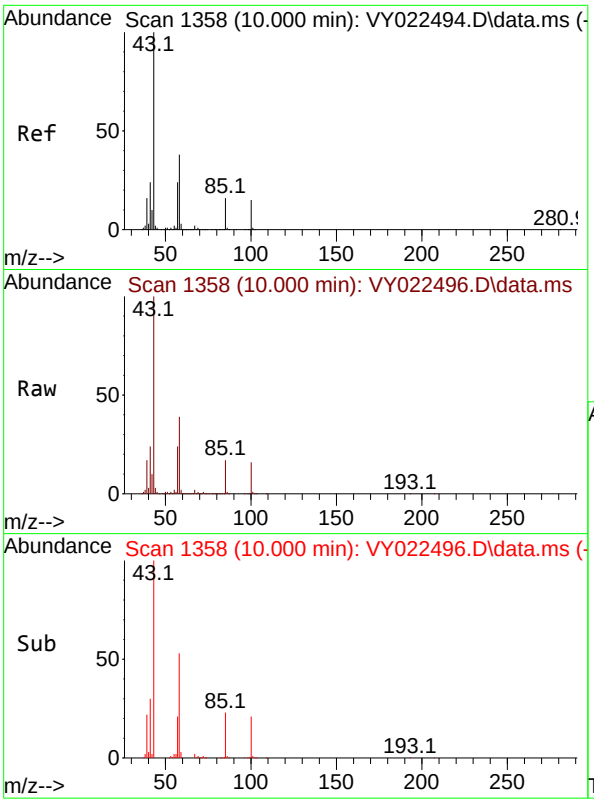


#50
Toluene-d8
Concen: 163.617 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 98 Resp: 1432587

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.4	77.0



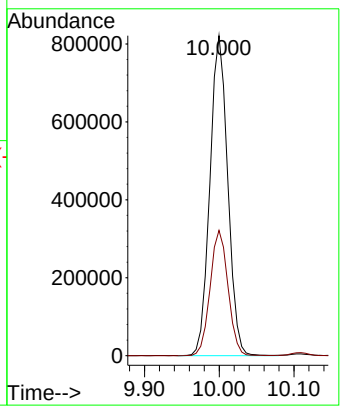


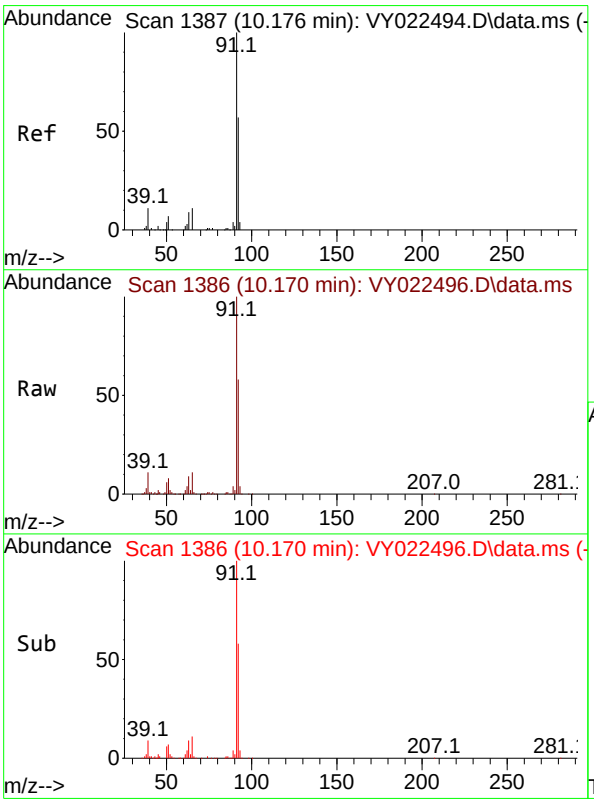
#51
4-Methyl-2-Pentanone
Concen: 812.744 ug/l
RT: 10.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1358512

Ion	Ratio	Lower	Upper
43	100		
58	39.3	30.4	45.6

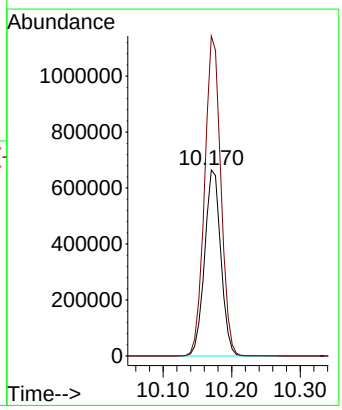


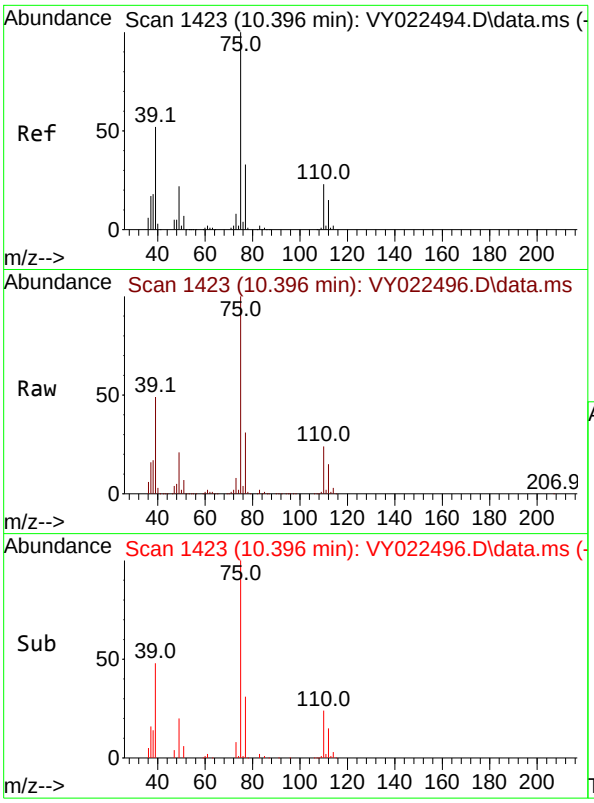


#52
Toluene
Concen: 168.447 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 92 Resp: 1093200

Ion	Ratio	Lower	Upper
92	100		
91	172.1	139.0	208.4



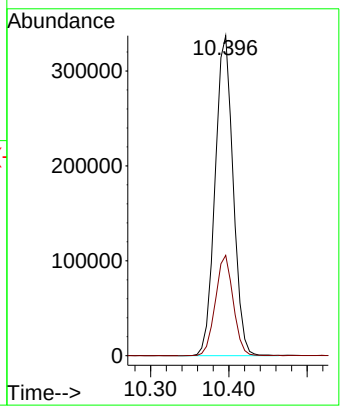


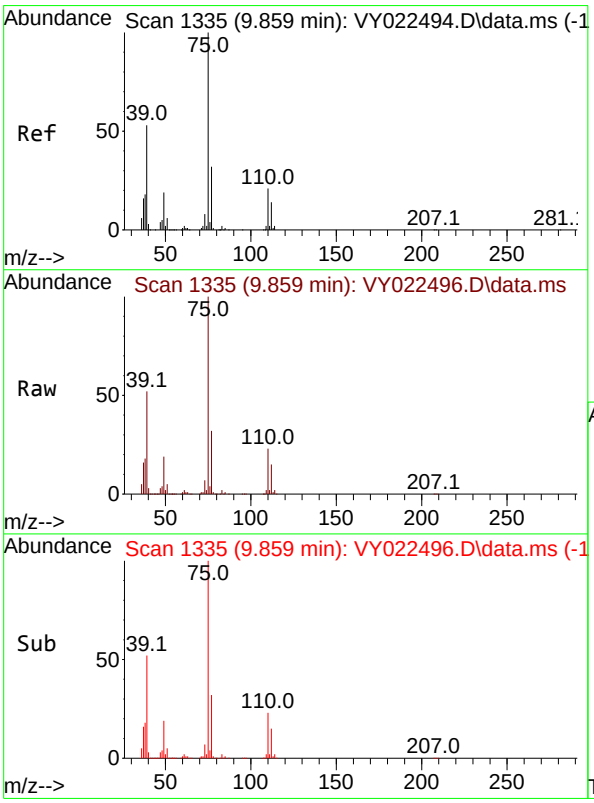
#53
t-1,3-Dichloropropene
Concen: 166.237 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 537922

Ion	Ratio	Lower	Upper
75	100		
77	31.3	26.5	39.7

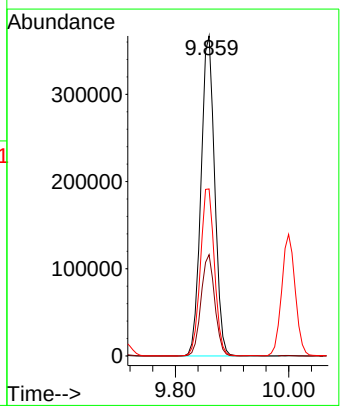


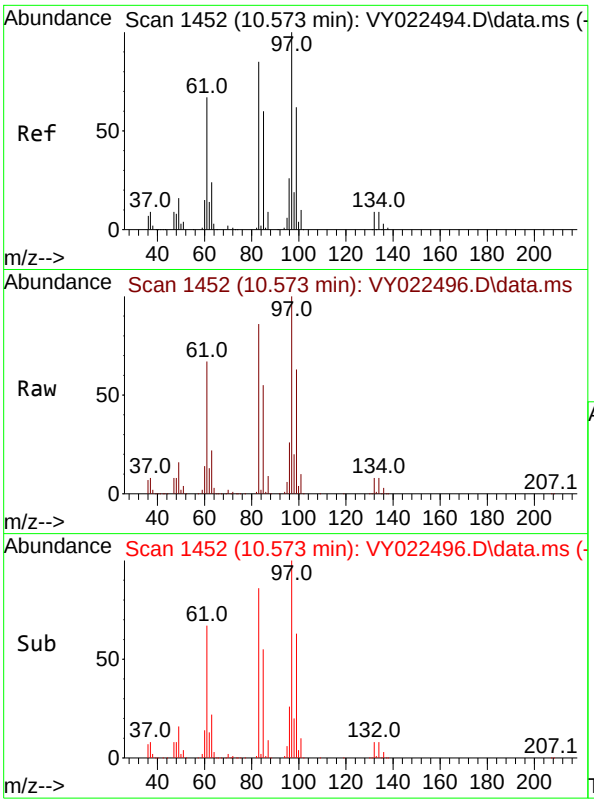


#54
cis-1,3-Dichloropropene
Concen: 162.259 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 75 Resp: 615667

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	52.2	42.7	64.1



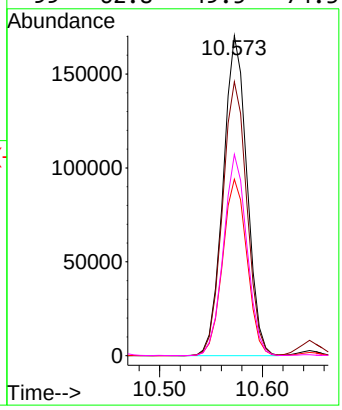


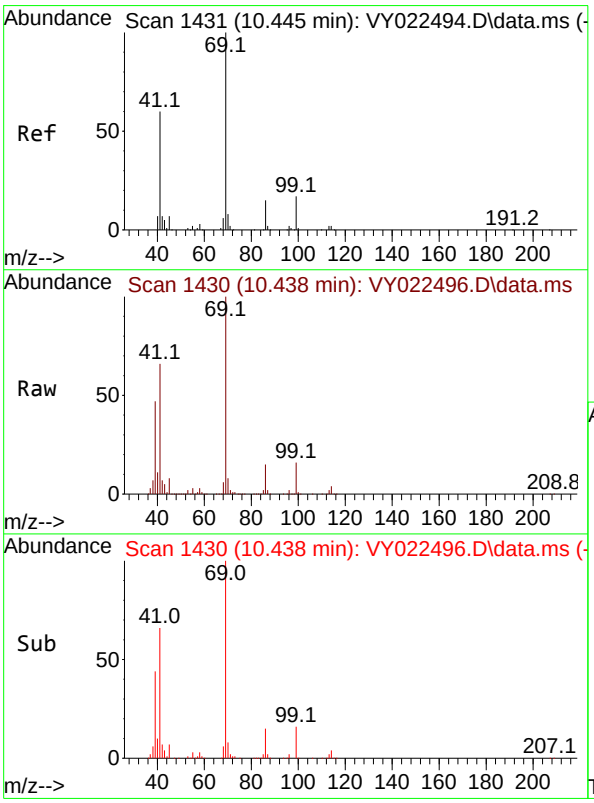
#55
1,1,2-Trichloroethane
Concen: 158.086 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 274460

Ion	Ratio	Lower	Upper
97	100		
83	85.6	68.1	102.1
85	55.1	48.2	72.2
99	62.8	49.5	74.3

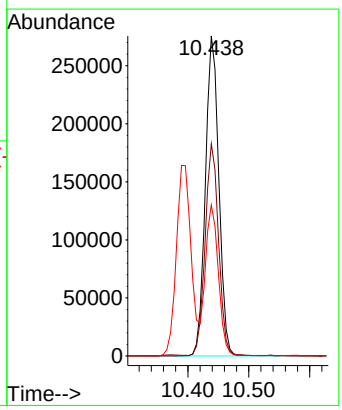


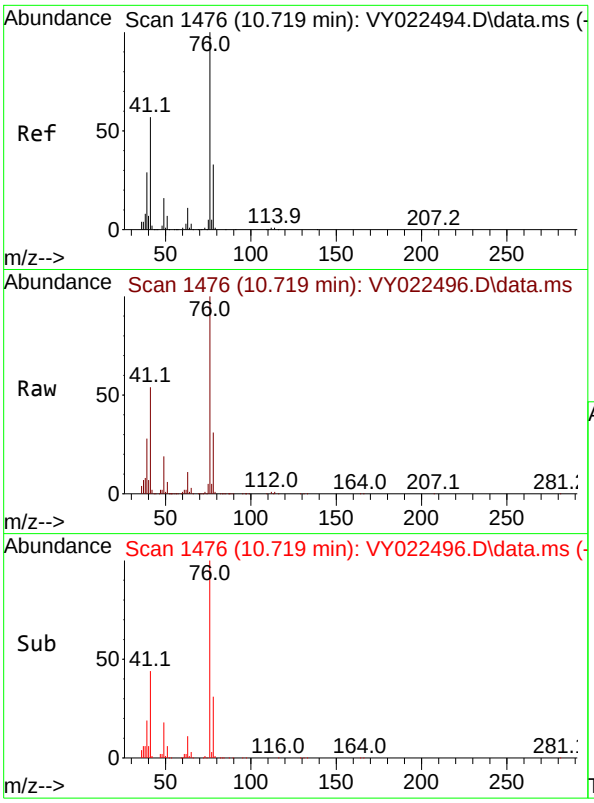


#56
Ethyl methacrylate
Concen: 167.865 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 69 Resp: 423233

Ion	Ratio	Lower	Upper
69	100		
41	66.0	52.2	78.2
39	44.7	36.7	55.1



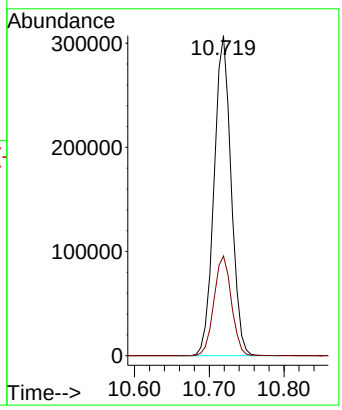


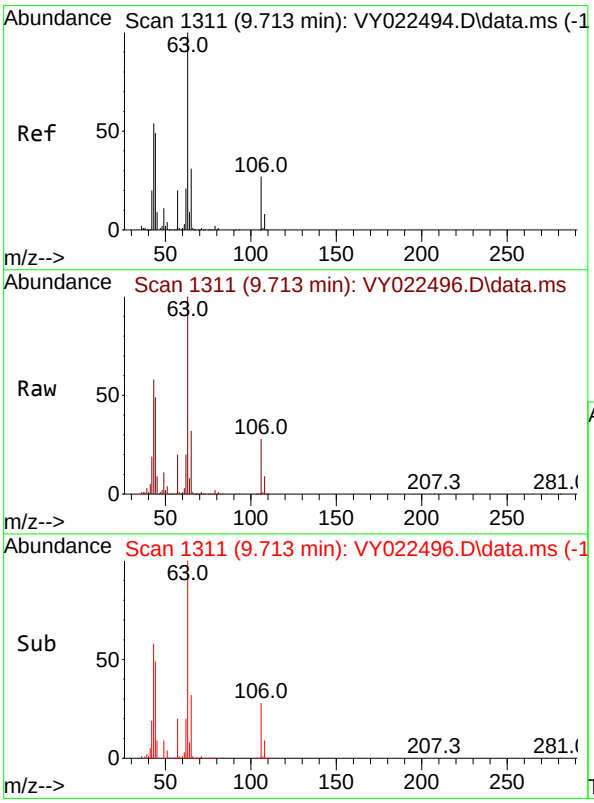
#57
1,3-Dichloropropane
Concen: 158.010 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 488570

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.8

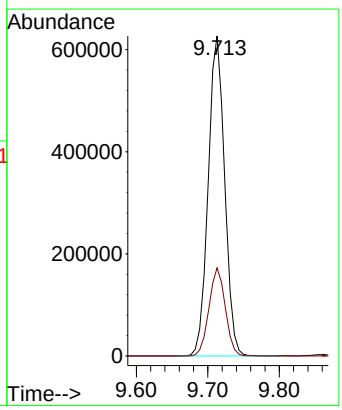


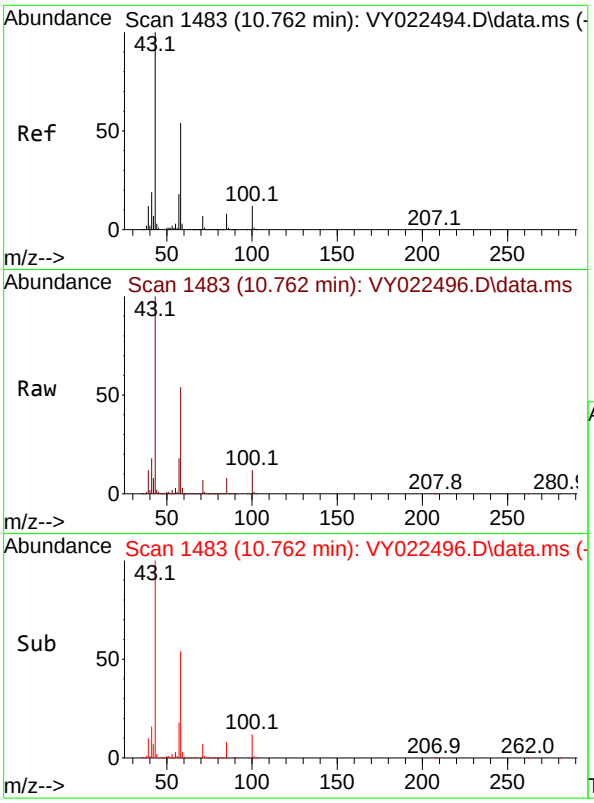


#58
2-Chloroethyl Vinyl ether
Concen: 890.345 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 63 Resp: 1000760

Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.6	32.4



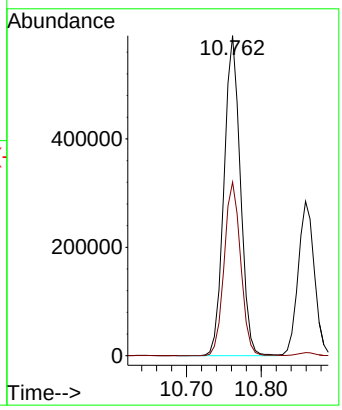


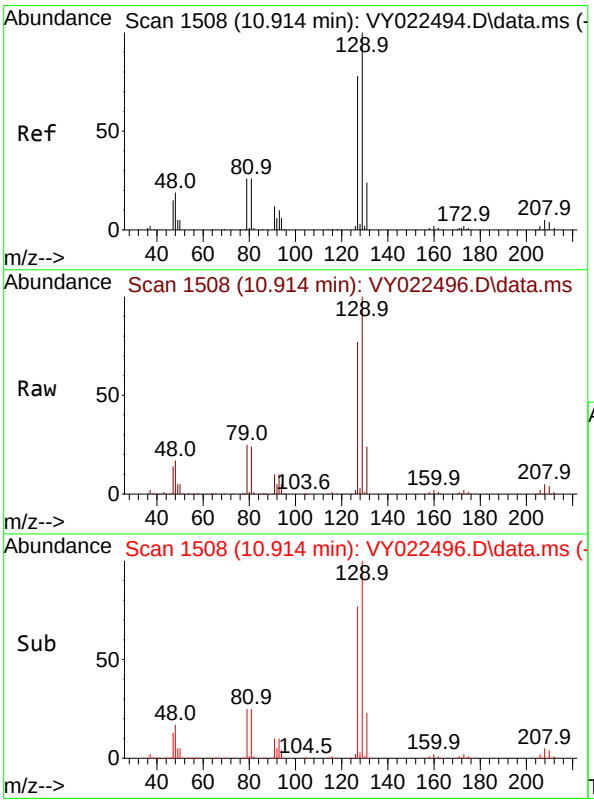
#59
2-Hexanone
Concen: 804.699 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 896627

Ion	Ratio	Lower	Upper
43	100		
58	54.6	27.3	81.8

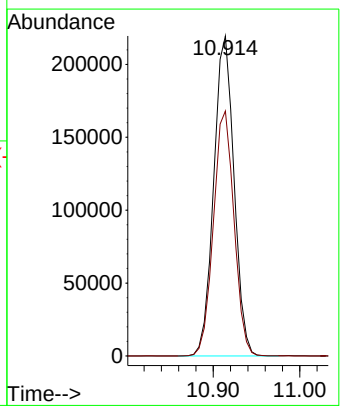


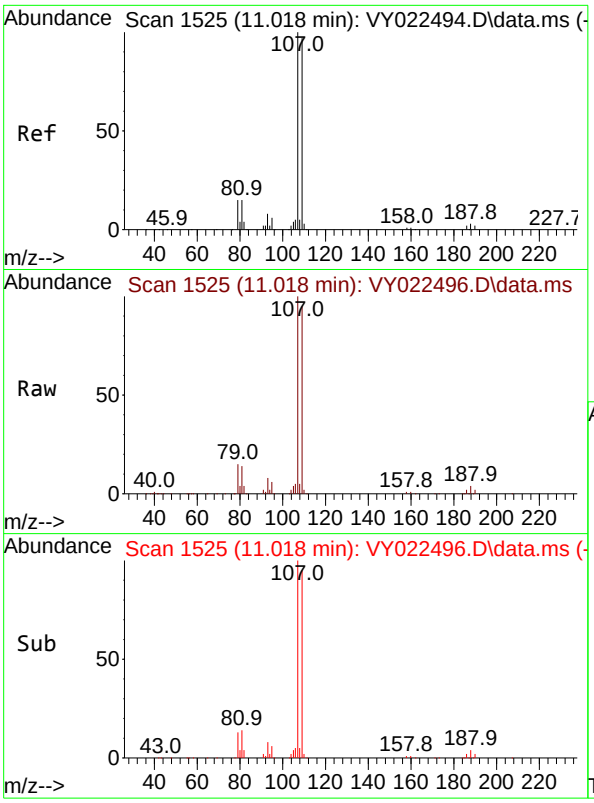


#60
Dibromochloromethane
Concen: 162.227 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:129 Resp: 356873

Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.1	117.2



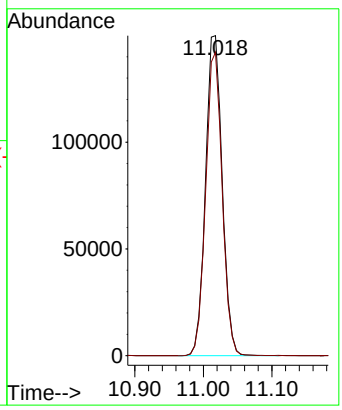


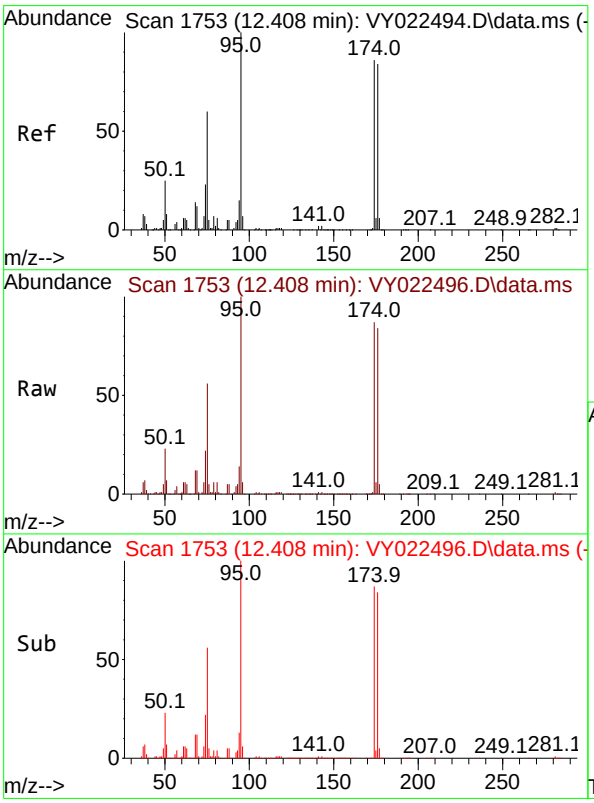
#61
1,2-Dibromoethane
Concen: 158.625 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 254128

Ion	Ratio	Lower	Upper
107	100		
109	93.4	77.7	116.5

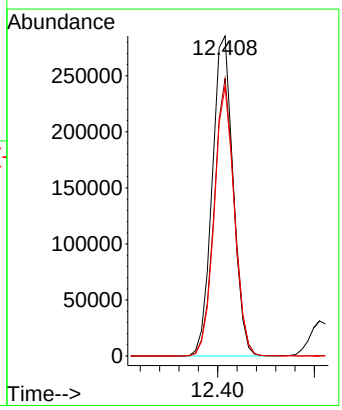


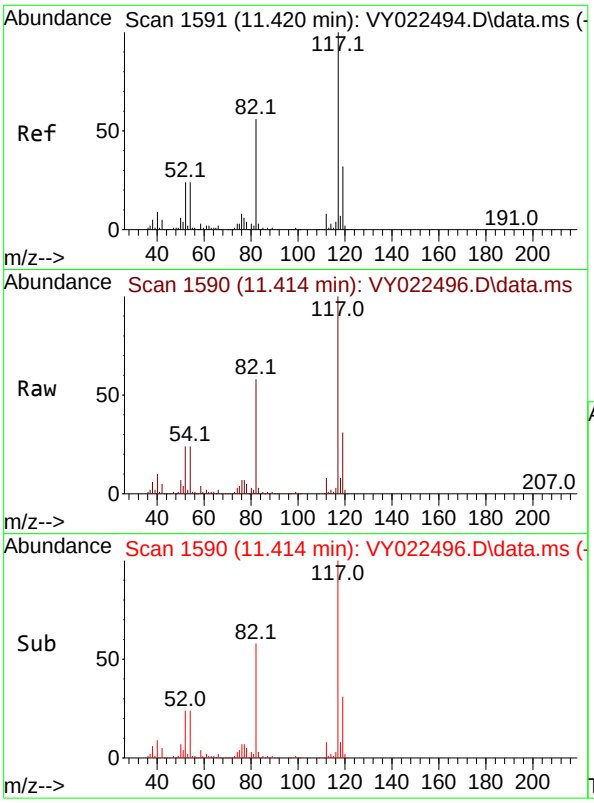


#62
4-Bromofluorobenzene
Concen: 160.684 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 95 Resp: 426573

Ion	Ratio	Lower	Upper
95	100		
174	83.8	0.0	170.0
176	81.1	0.0	166.2



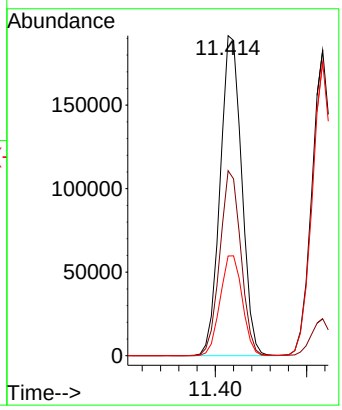


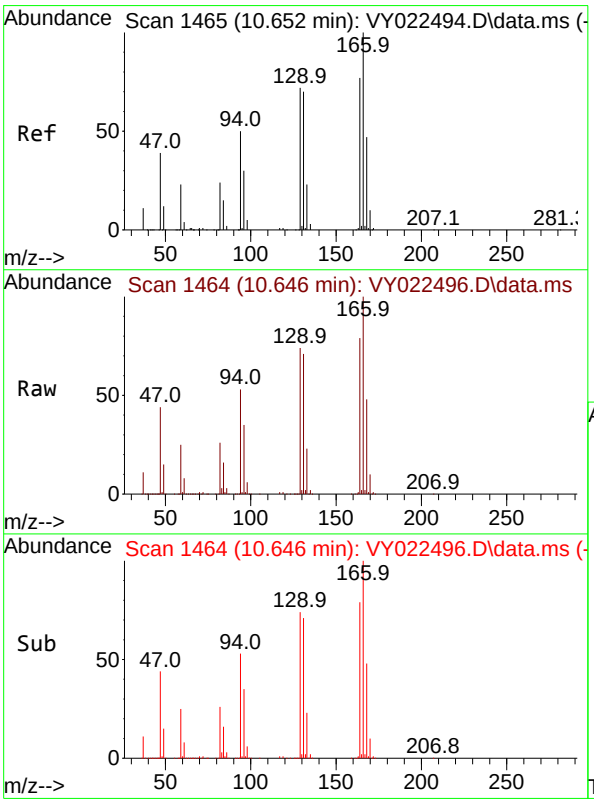
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 313951

Ion	Ratio	Lower	Upper
117	100		
82	57.8	44.6	66.8
119	31.2	25.4	38.0

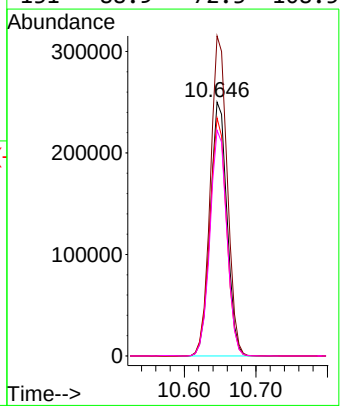


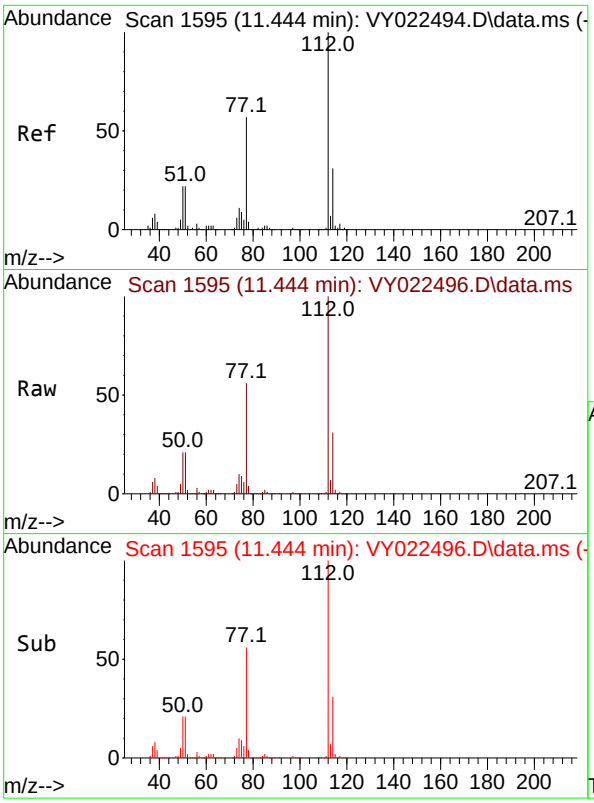


#64
Tetrachloroethene
Concen: 152.453 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:164 Resp: 406758

Ion	Ratio	Lower	Upper
164	100		
166	126.1	104.0	156.0
129	93.8	74.5	111.7
131	88.9	72.3	108.5



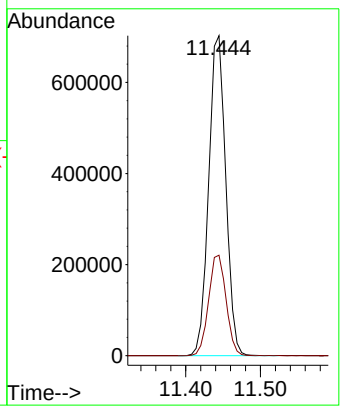


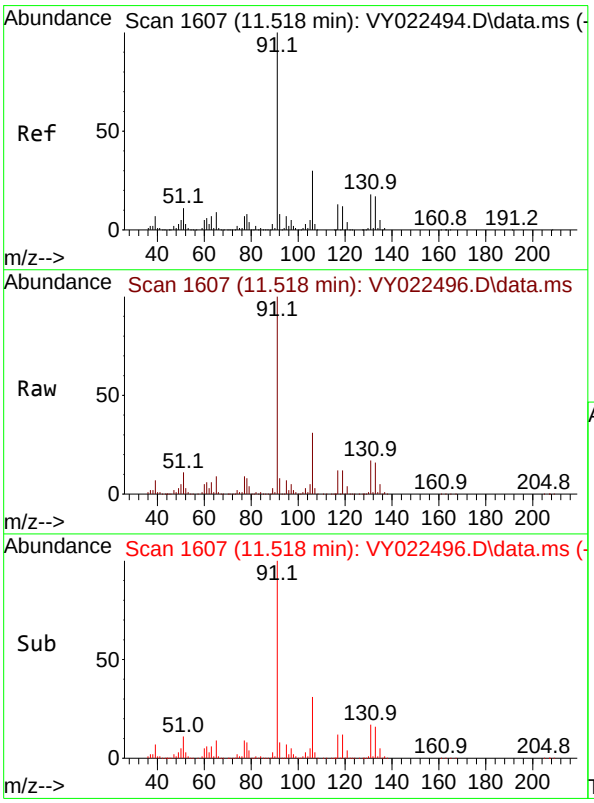
#65
Chlorobenzene
Concen: 163.544 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 1113347

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.0	37.6

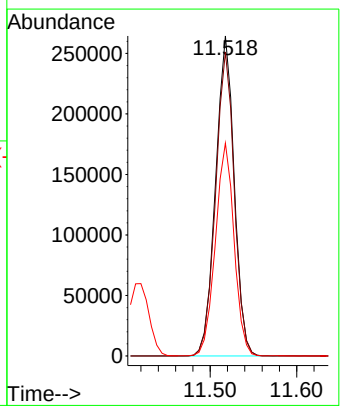


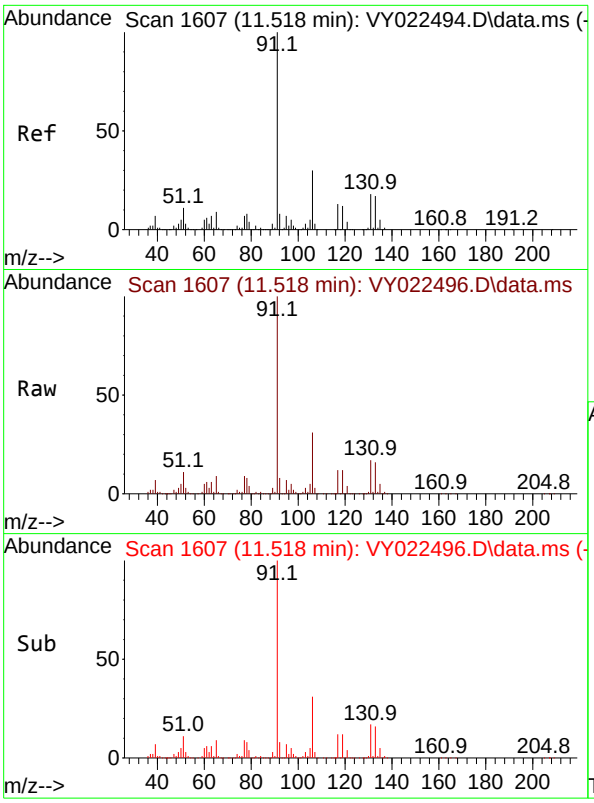


#66
1,1,1,2-Tetrachloroethane
Concen: 171.190 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:131 Resp: 395046

Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.3	141.8
119	66.8	33.1	99.3



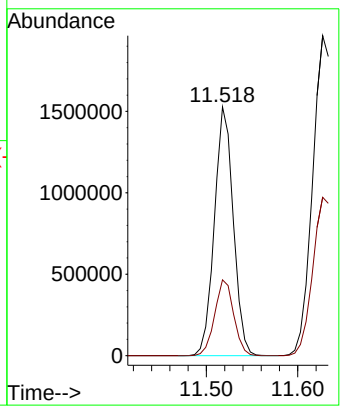


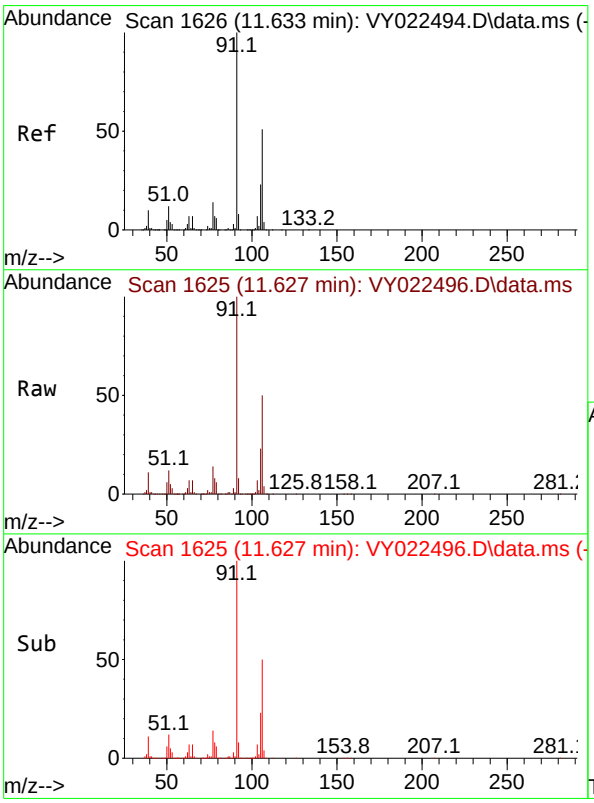
#67
Ethyl Benzene
Concen: 173.285 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 2196819

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.2	36.4

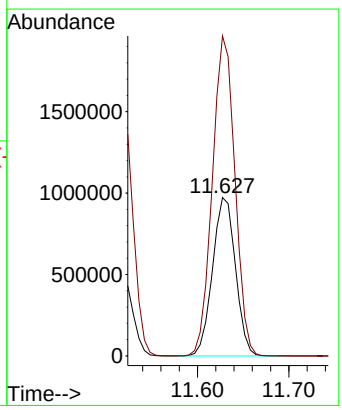


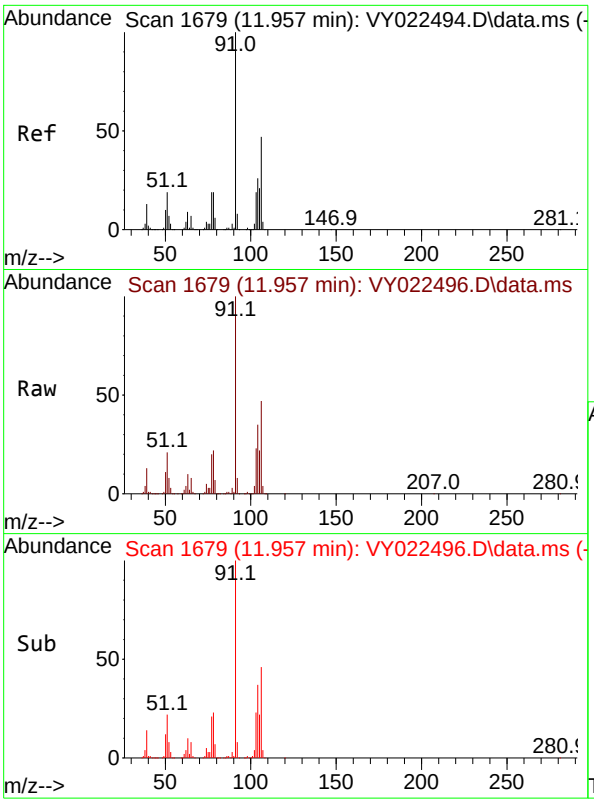


#68
m/p-Xylenes
Concen: 353.103 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:106 Resp: 1694177

Ion	Ratio	Lower	Upper
106	100		
91	199.2	159.4	239.0



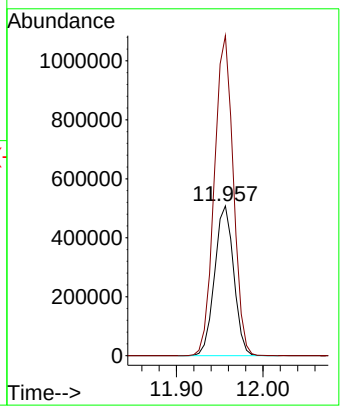


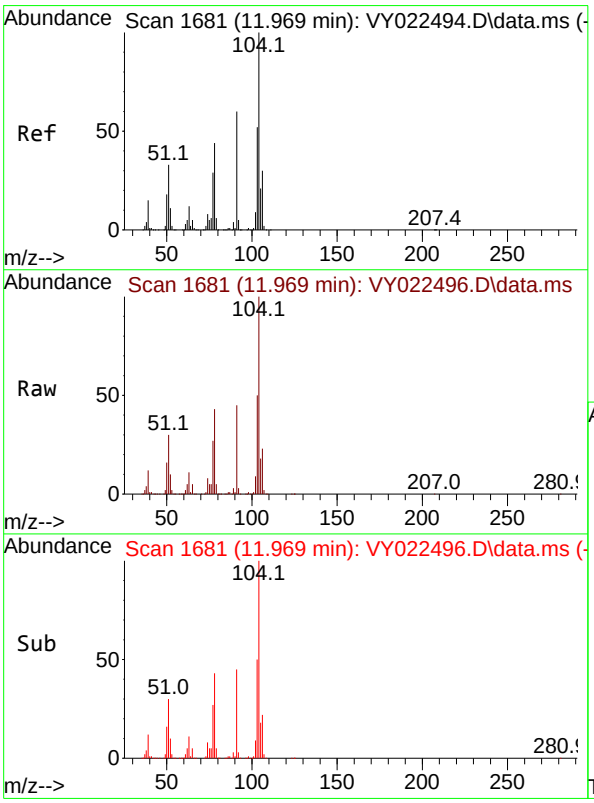
#69
o-Xylene
Concen: 173.188 ug/l
RT: 11.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 777688

Ion	Ratio	Lower	Upper
106	100		
91	212.3	105.8	317.3

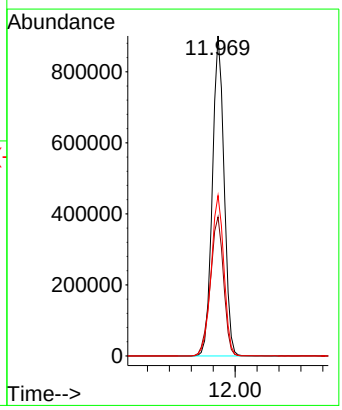


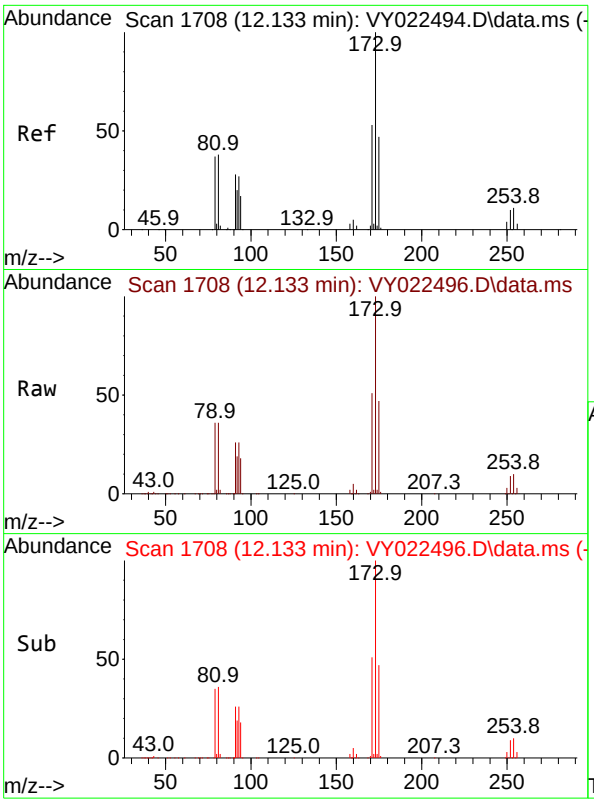


#70
Styrene
Concen: 179.564 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:104 Resp: 1334986

Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.5	59.3
103	54.6	44.1	66.1



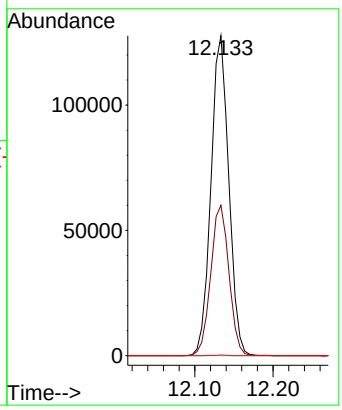


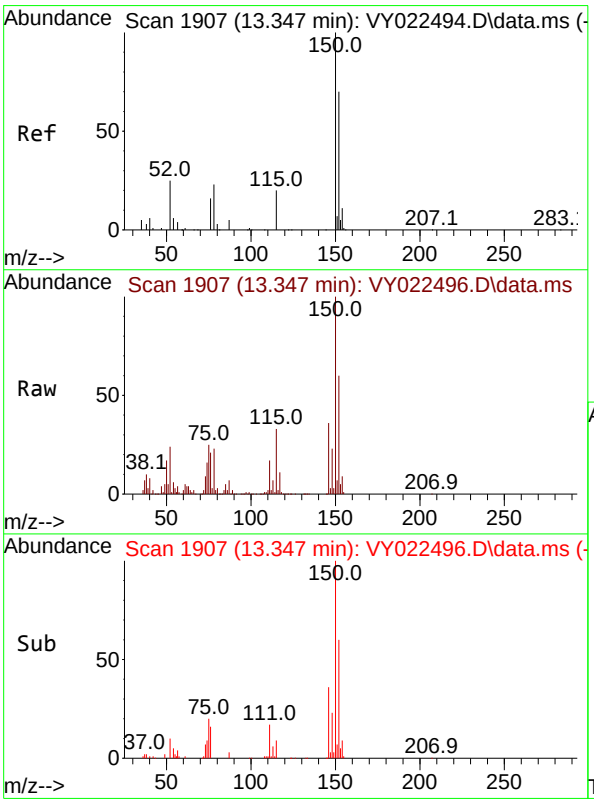
#71
Bromoform
Concen: 166.138 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 201469

Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.8	71.5
254	0.2	0.0	0.0#

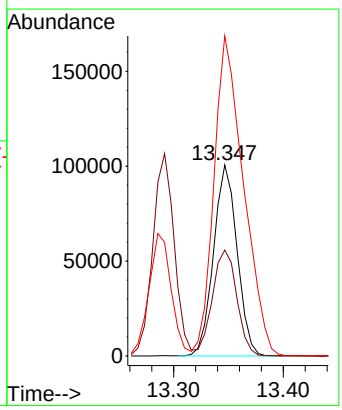


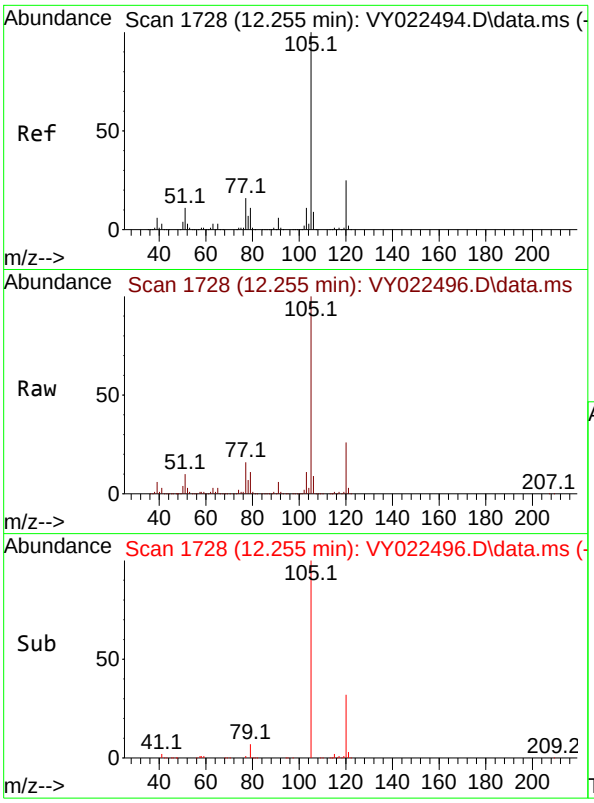


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:152 Resp: 150326

Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.9	86.7
150	210.0	0.0	349.6



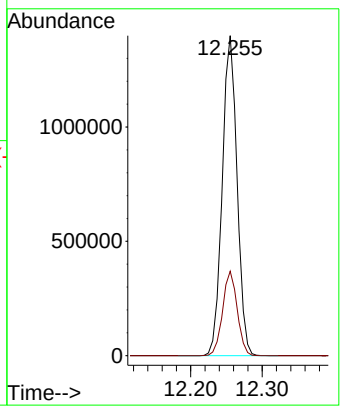


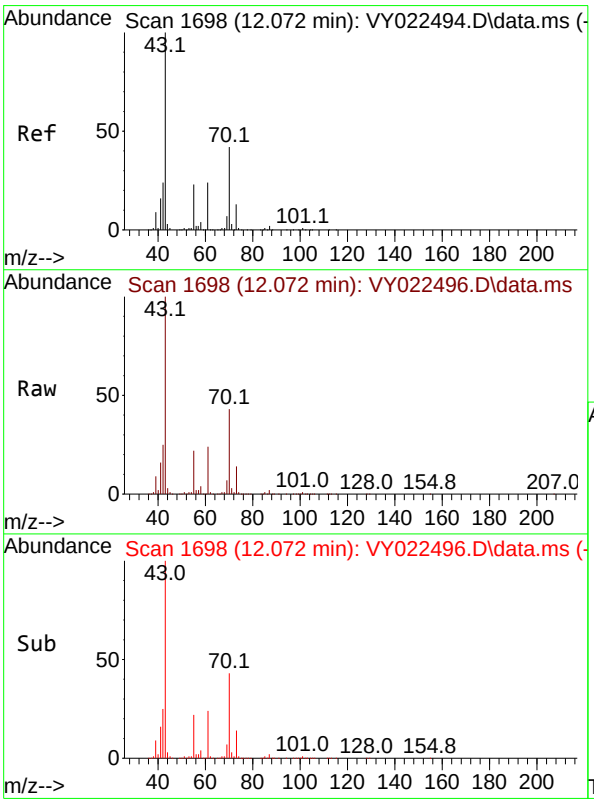
#73
Isopropylbenzene
Concen: 166.060 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 2011262

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.0	38.9

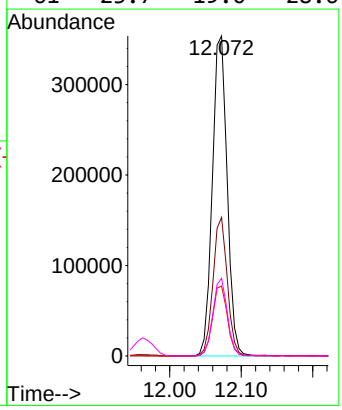


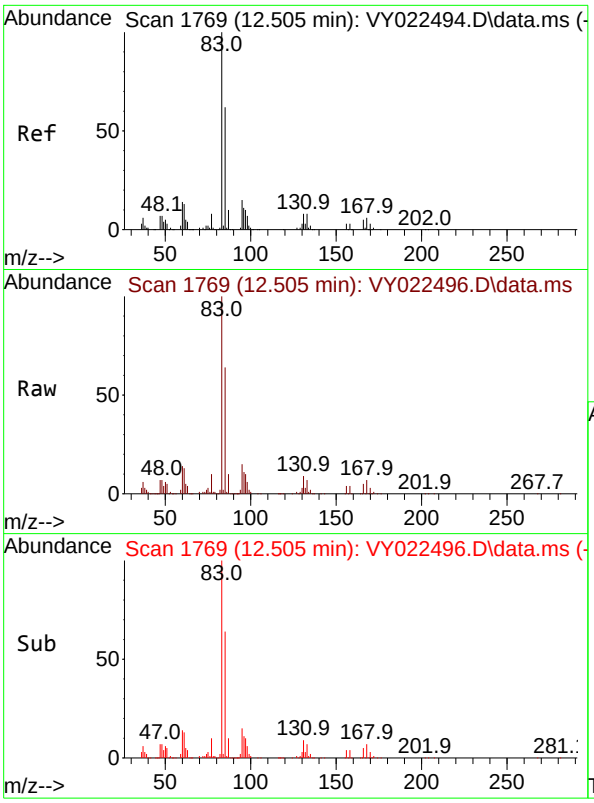


#74
N-amyl acetate
Concen: 165.957 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 43 Resp: 508301

Ion	Ratio	Lower	Upper
43	100		
70	42.1	34.2	51.2
55	22.1	18.2	27.4
61	23.7	19.0	28.6



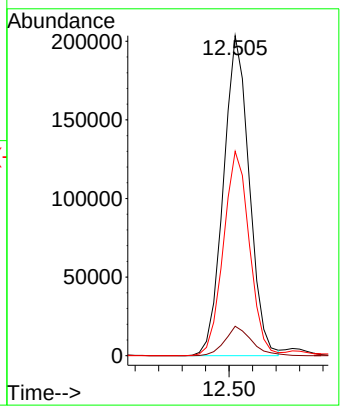


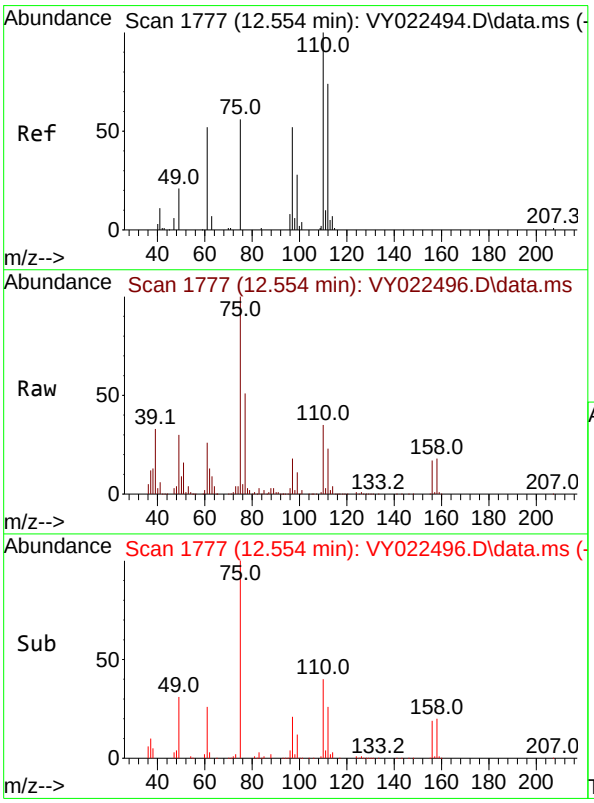
#75
1,1,2,2-Tetrachloroethane
Concen: 157.927 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 310641

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	64.3	32.6	97.8

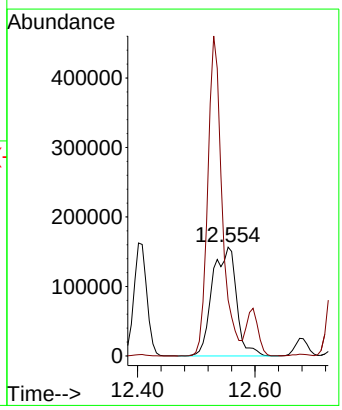


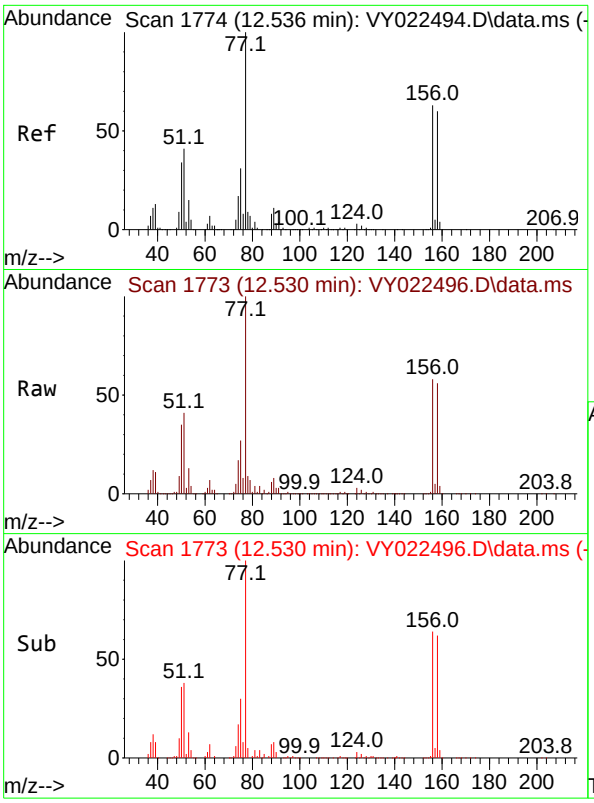


#76
1,2,3-Trichloropropane
Concen: 224.014 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 75 Resp: 444562

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



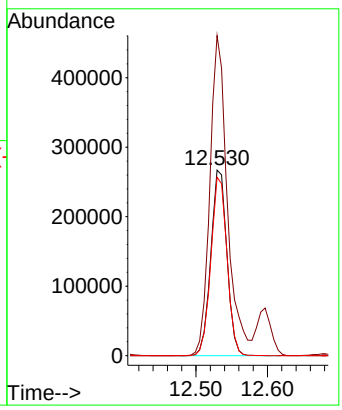


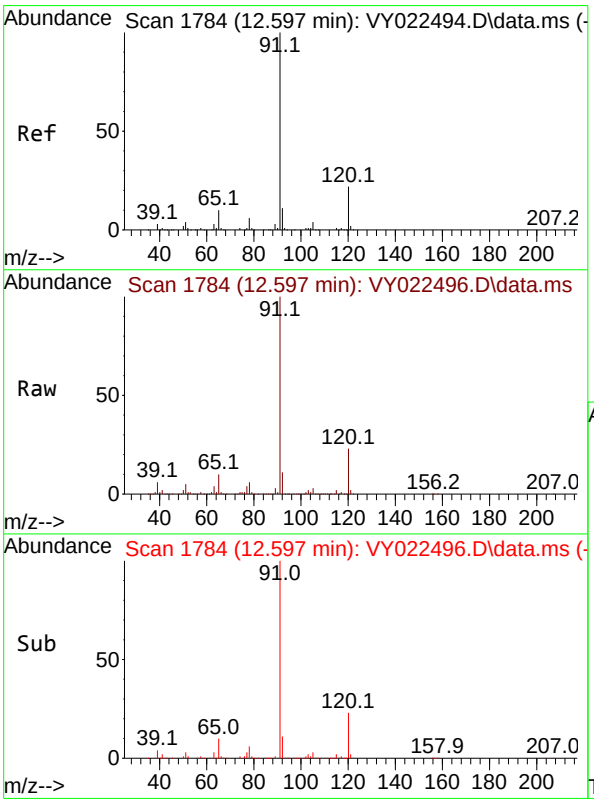
#77
Bromobenzene
Concen: 162.489 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 417122

Ion	Ratio	Lower	Upper
156	100		
77	188.4	94.0	282.1
158	96.4	48.2	144.6

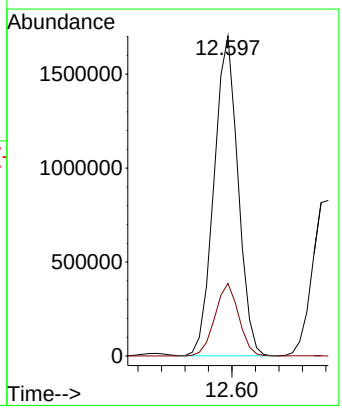


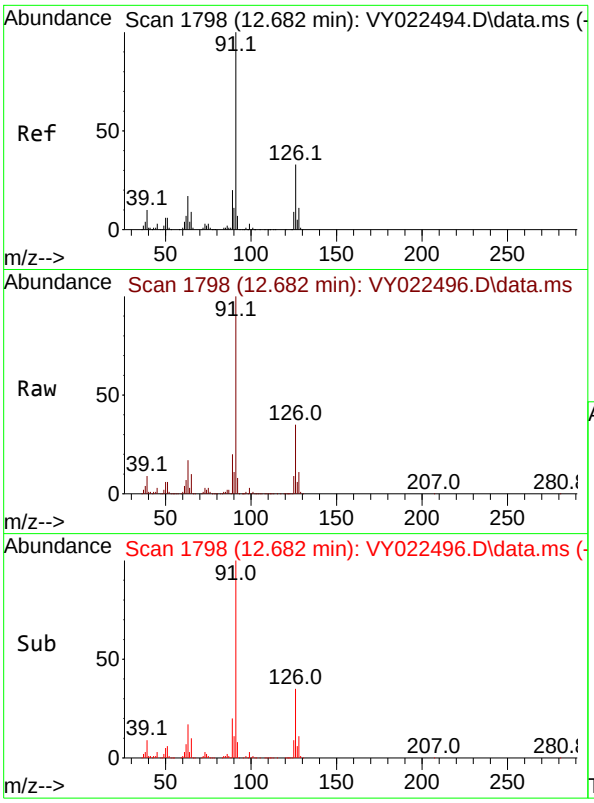


#78
n-propylbenzene
Concen: 163.876 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 91 Resp: 2416013

Ion	Ratio	Lower	Upper
91	100		
120	22.4	10.8	32.4



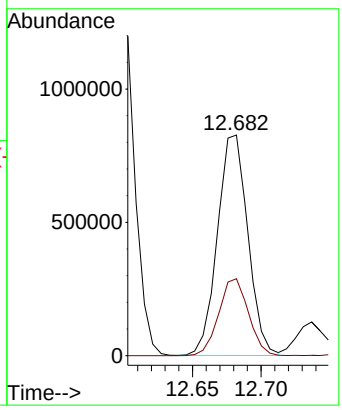


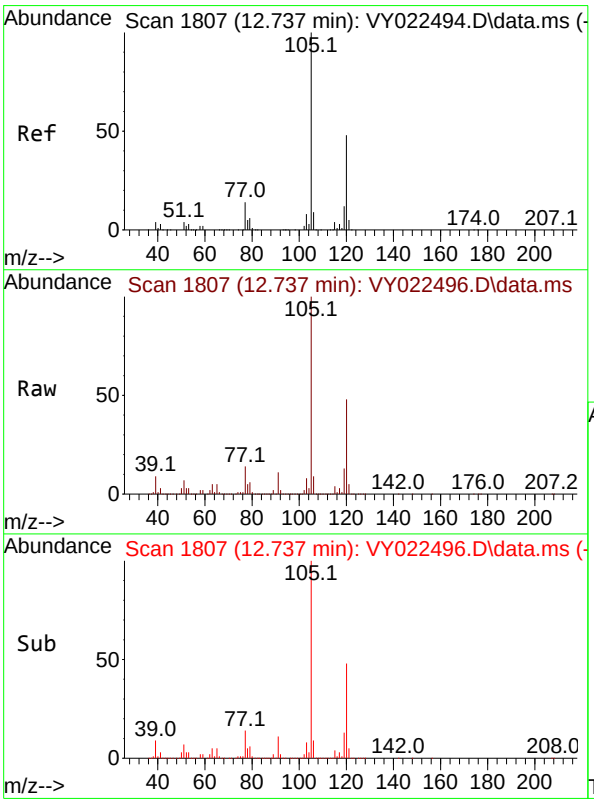
#79
2-Chlorotoluene
Concen: 163.862 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1275581

Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.0	51.0

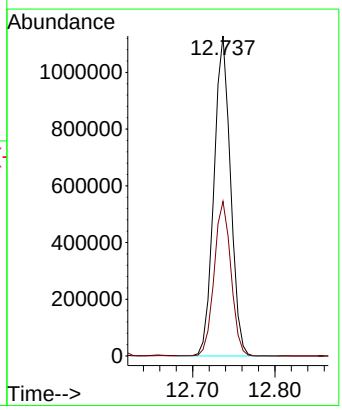


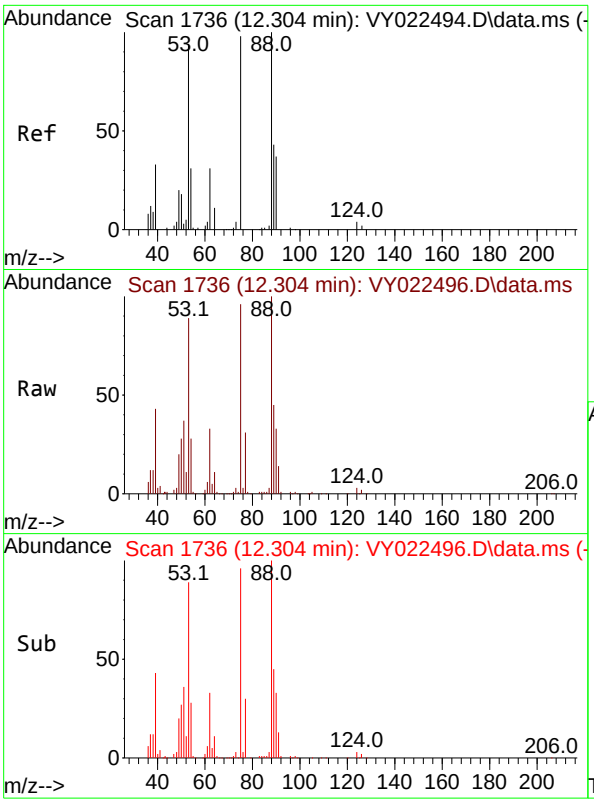


#80
1,3,5-Trimethylbenzene
Concen: 166.511 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:105 Resp: 1576906

Ion	Ratio	Lower	Upper
105	100		
120	49.0	24.1	72.4



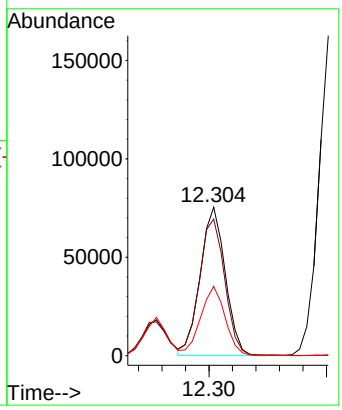


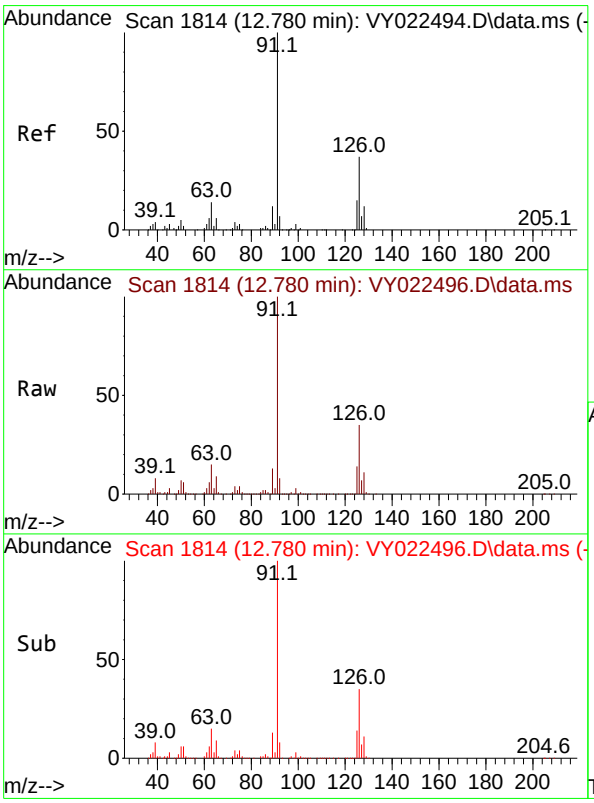
#81
trans-1,4-Dichloro-2-butene
Concen: 160.989 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 111432

Ion	Ratio	Lower	Upper
75	100		
53	93.2	78.5	117.7
89	46.1	35.7	53.5

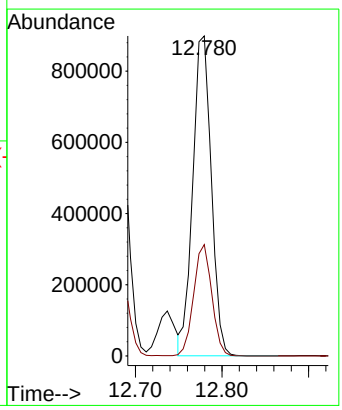


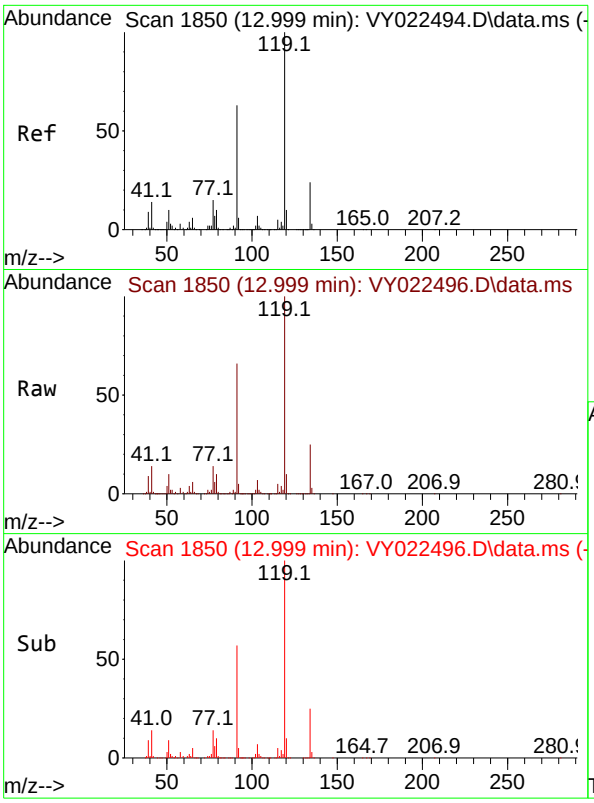


#82
4-Chlorotoluene
Concen: 165.467 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 91 Resp: 1334965

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	50.9



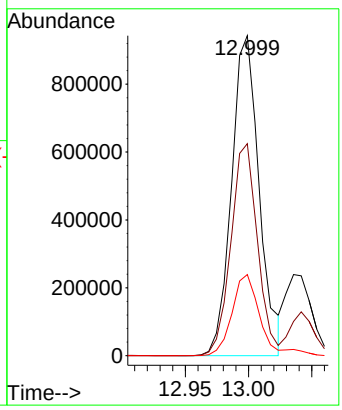


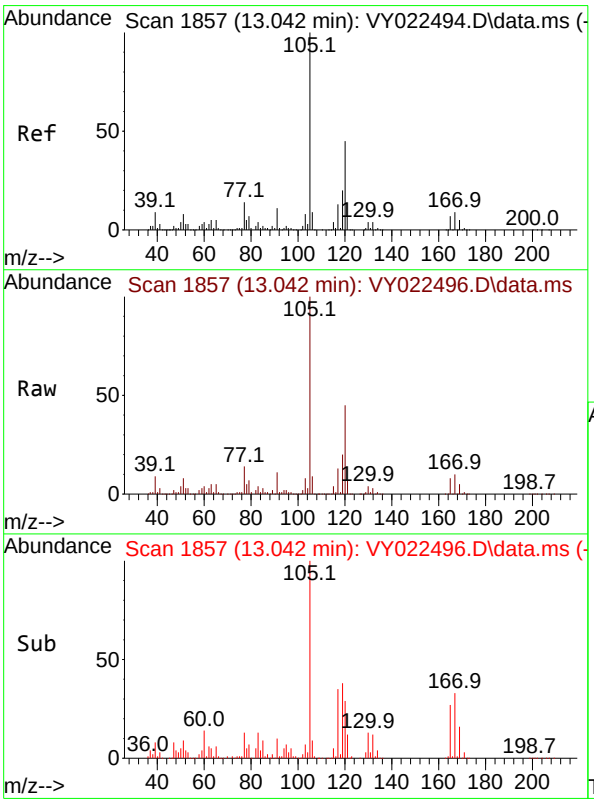
#83
tert-Butylbenzene
Concen: 166.064 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 1434641

Ion	Ratio	Lower	Upper
119	100		
91	63.7	32.1	96.3
134	25.9	13.0	38.9

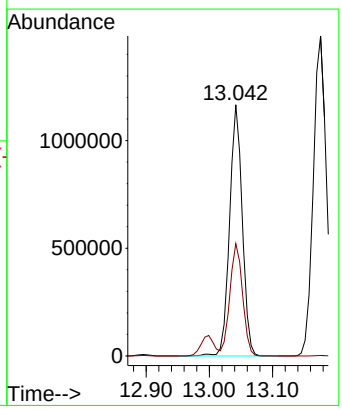


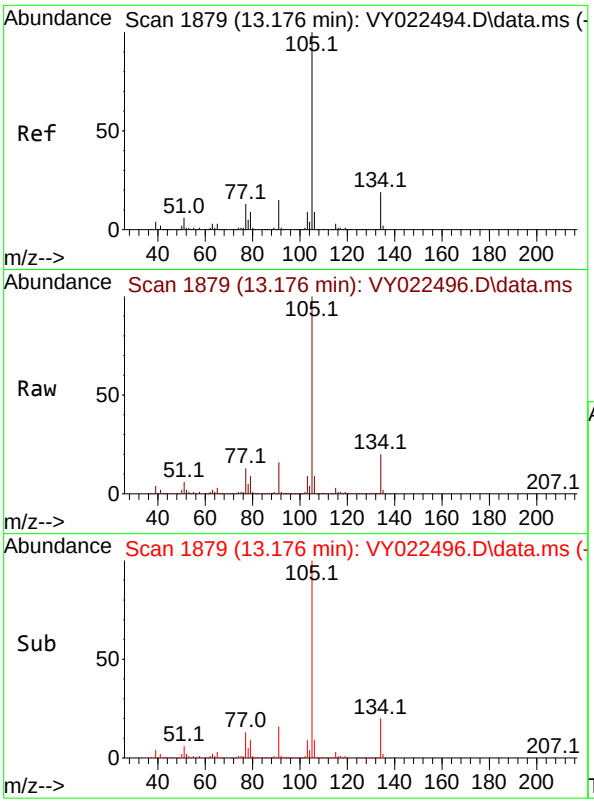


#84
1,2,4-Trimethylbenzene
Concen: 171.323 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:105 Resp: 1623289

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.7	68.1



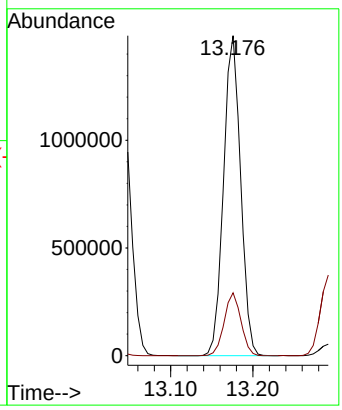


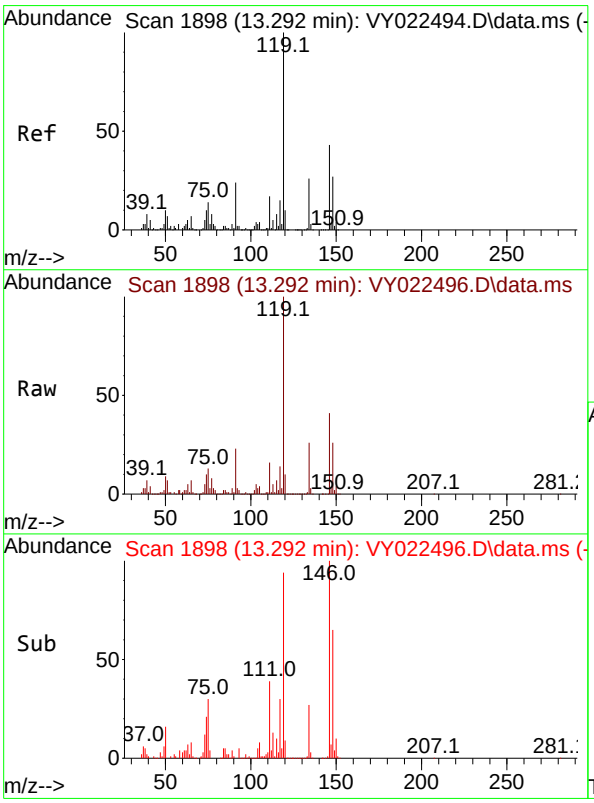
#85
sec-Butylbenzene
Concen: 163.415 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 2140445

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9

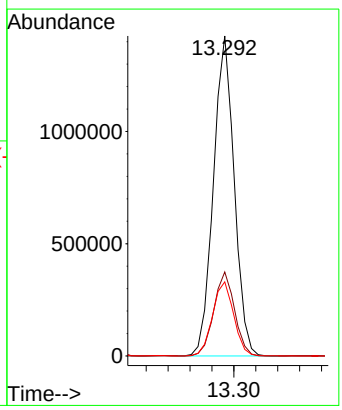


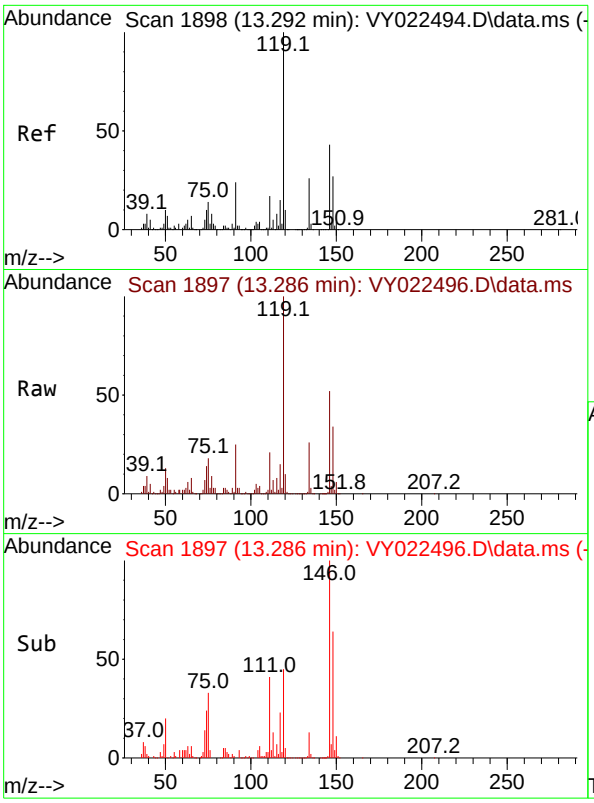


#86
p-Isopropyltoluene
Concen: 174.353 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:119 Resp: 1877539

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.1
91	23.6	11.6	34.8



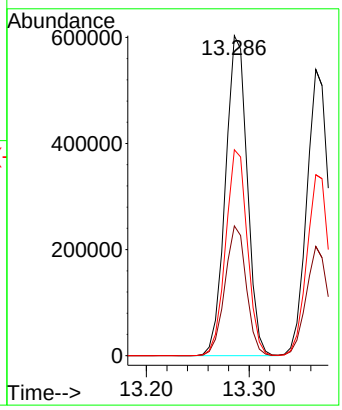


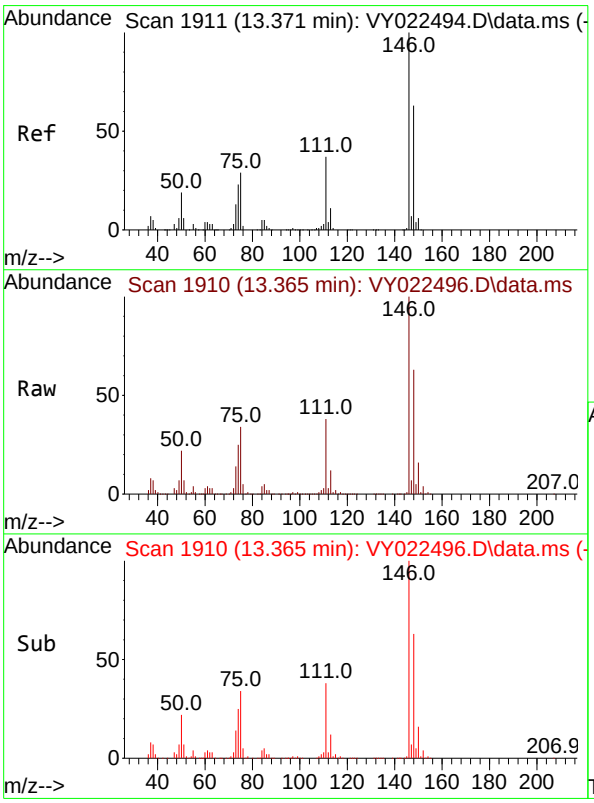
#87
1,3-Dichlorobenzene
Concen: 172.326 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 885058

Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.1	60.2
148	64.2	32.1	96.3

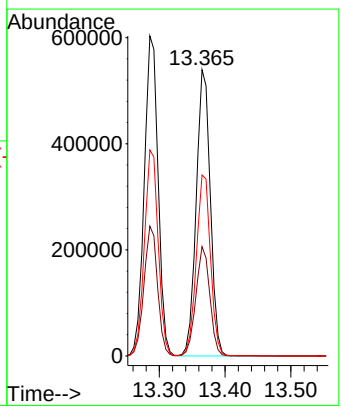


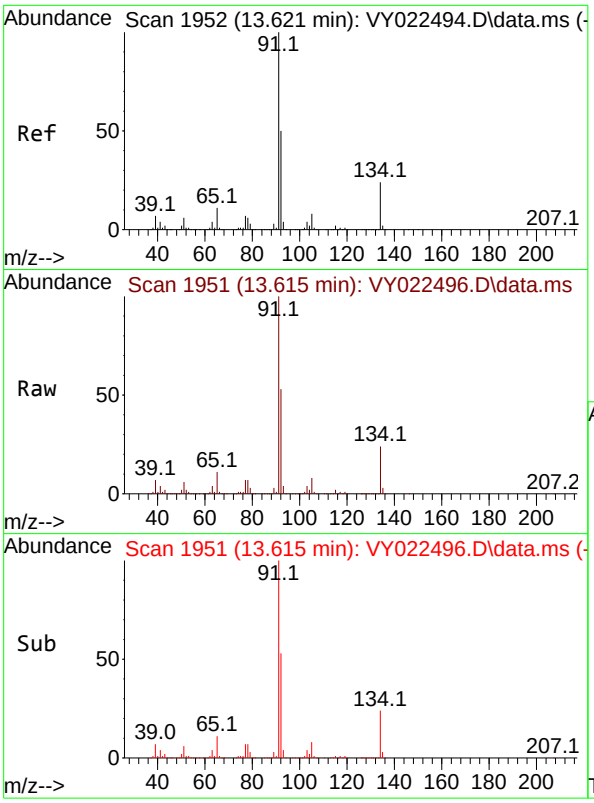


#88
1,4-Dichlorobenzene
Concen: 160.470 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:146 Resp: 803022

Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.4	58.2
148	63.7	31.6	94.8



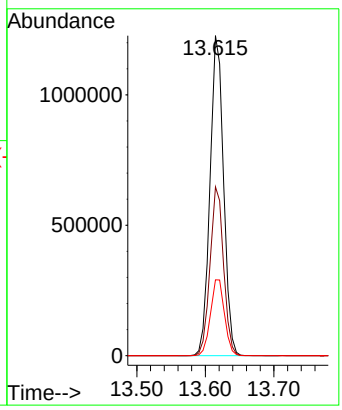


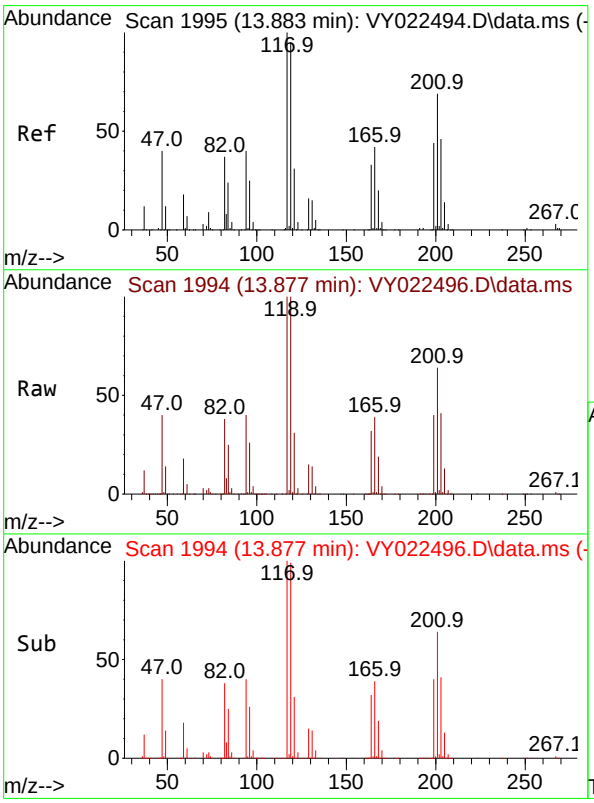
#89
n-Butylbenzene
Concen: 164.939 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1691118

Ion	Ratio	Lower	Upper
91	100		
92	52.6	25.9	77.8
134	24.6	12.0	36.1

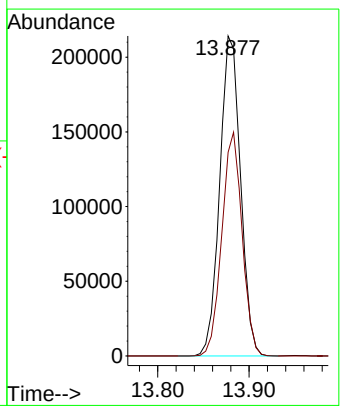


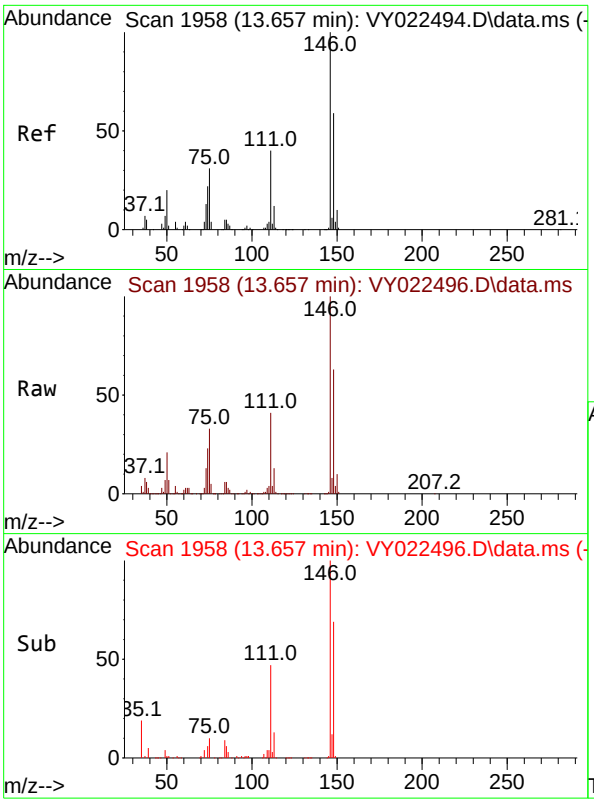


#90
Hexachloroethane
Concen: 160.801 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:117 Resp: 338845

Ion	Ratio	Lower	Upper
117	100		
201	68.2	34.0	102.0



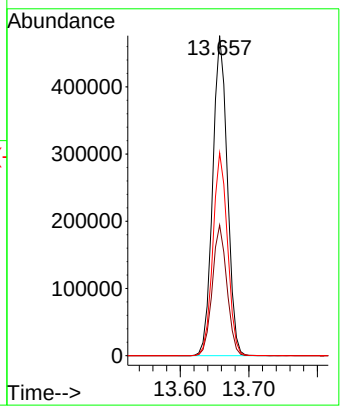


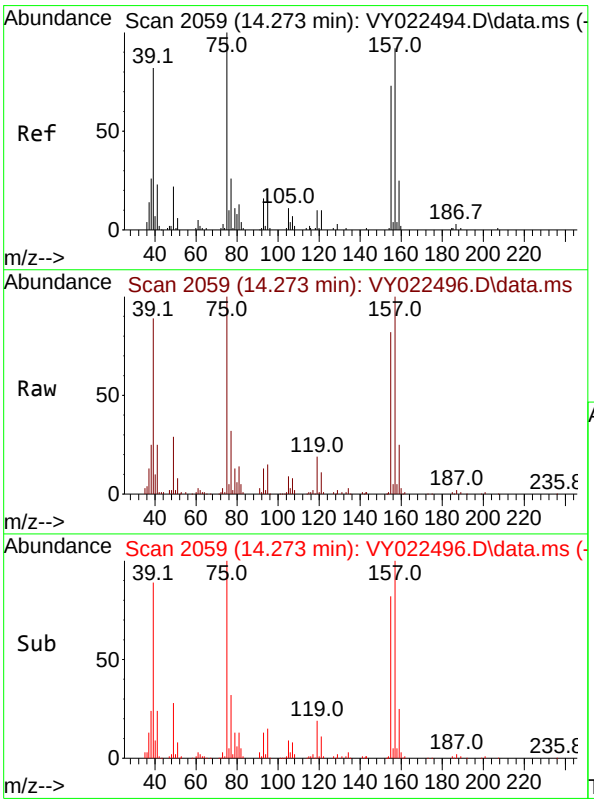
#91
1,2-Dichlorobenzene
Concen: 159.809 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 705129

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.2	60.6
148	63.2	31.4	94.0

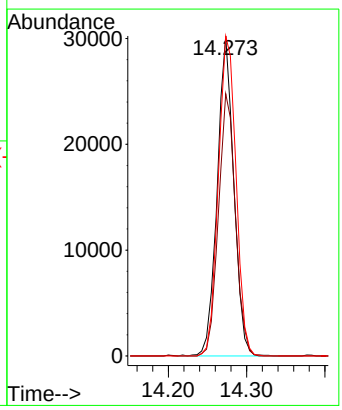


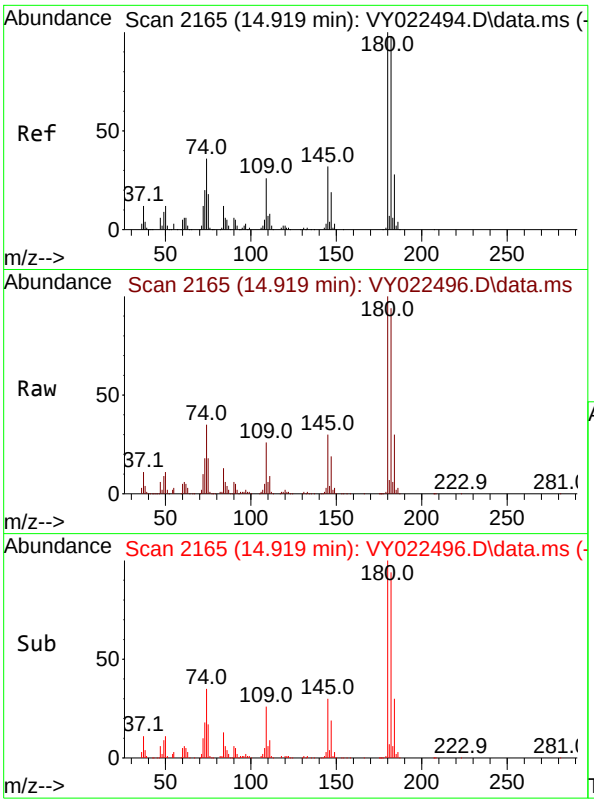


#92
1,2-Dibromo-3-Chloropropane
Concen: 149.709 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion: 75 Resp: 44514

Ion	Ratio	Lower	Upper
75	100		
155	83.7	39.9	119.6
157	106.5	54.0	162.0



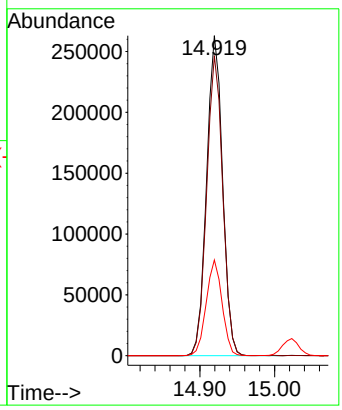


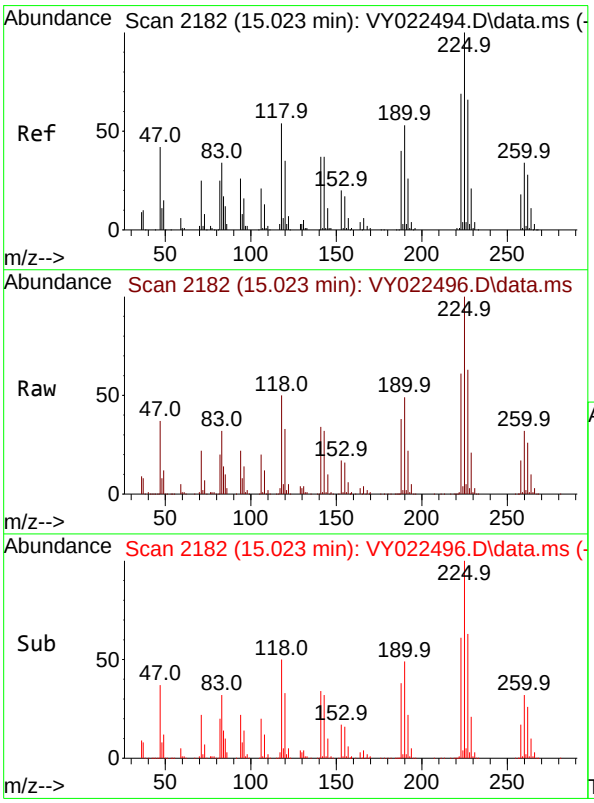
#93
1,2,4-Trichlorobenzene
Concen: 161.773 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 390170

Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.4	145.3
145	29.7	15.5	46.5

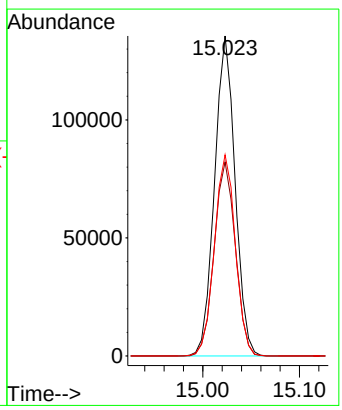


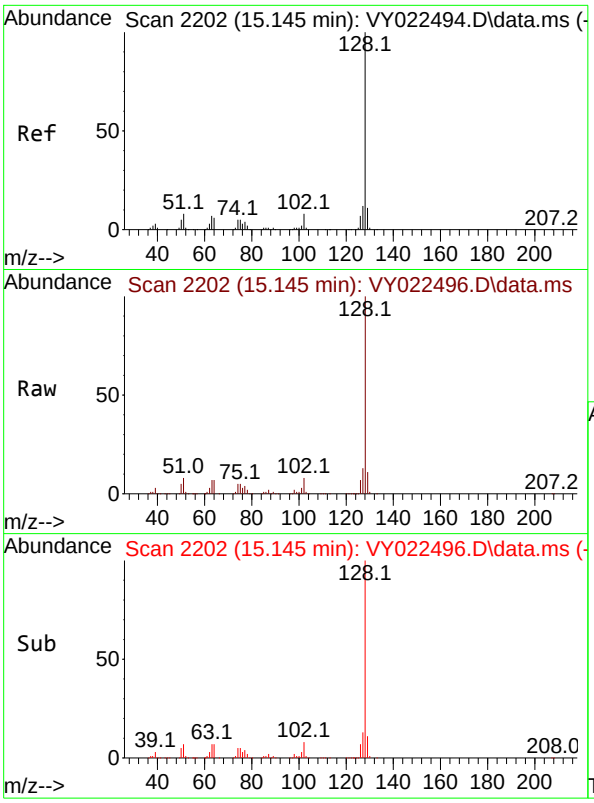


#94
Hexachlorobutadiene
Concen: 151.389 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:225 Resp: 199423

Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.5	97.4
227	64.2	32.3	96.9



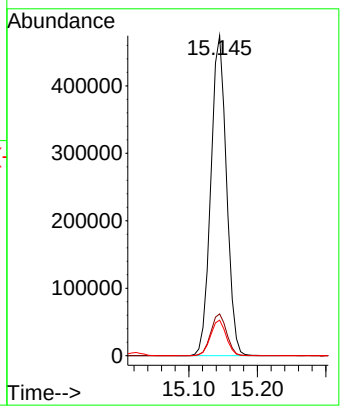


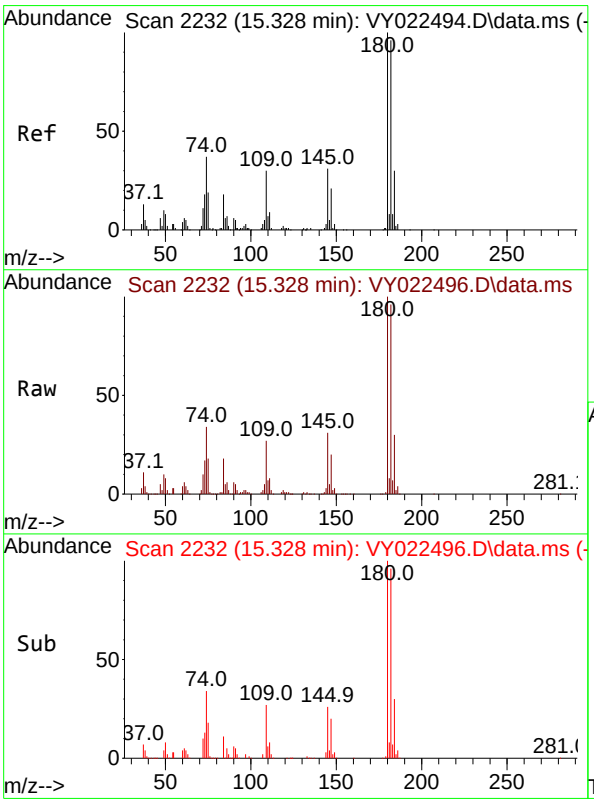
#95
Naphthalene
Concen: 162.970 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 753279

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.2	8.9	13.3

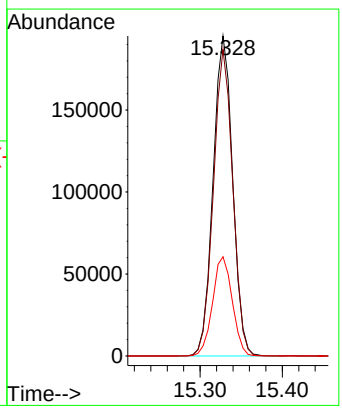




#96
1,2,3-Trichlorobenzene
Concen: 157.072 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022496.D
Acq: 02 Jun 2025 13:39

Tgt Ion:180 Resp: 321960

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.1	141.3
145	31.3	15.2	45.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	219240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	365013	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	312263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	145254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	106759	43.538	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 87.080%			
35) Dibromofluoromethane	7.634	113	101692	46.676	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.360%			
50) Toluene-d8	10.109	98	411640	46.760	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.520%			
62) 4-Bromofluorobenzene	12.408	95	120253	45.847	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	84059	42.825	ug/l	99
3) Chloromethane	2.068	50	276116	47.616	ug/l	100
4) Vinyl Chloride	2.202	62	323338	48.066	ug/l	97
5) Bromomethane	2.599	94	274123	42.515	ug/l	99
6) Chloroethane	2.733	64	205816	44.575	ug/l	96
7) Trichlorofluoromethane	3.050	101	271122	47.475	ug/l	96
8) Diethyl Ether	3.458	74	56906	44.247	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	108788	45.230	ug/l	99
10) Methyl Iodide	4.007	142	116830	44.885	ug/l	100
11) Tert butyl alcohol	4.879	59	36036	205.761	ug/l	97
12) 1,1-Dichloroethene	3.787	96	106297	46.234	ug/l	98
13) Acrolein	3.653	56	48776	223.473	ug/l	98
14) Allyl chloride	4.385	41	165428	45.834	ug/l	99
15) Acrylonitrile	5.061	53	118175	216.963	ug/l	100
16) Acetone	3.873	43	110479	221.854	ug/l	99
17) Carbon Disulfide	4.104	76	341772	46.432	ug/l	100
18) Methyl Acetate	4.391	43	57416	38.935	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	284761	43.974	ug/l	99
20) Methylene Chloride	4.616	84	115624	40.875	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	118427	46.024	ug/l	95
22) Diisopropyl ether	6.019	45	354328	44.104	ug/l	96
23) Vinyl Acetate	5.964	43	1064896	223.951	ug/l	100
24) 1,1-Dichloroethane	5.915	63	217965	46.053	ug/l	98
25) 2-Butanone	6.897	43	158557	220.736	ug/l	98
26) 2,2-Dichloropropane	6.890	77	195035	46.639	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	136882	46.024	ug/l	99
28) Bromochloromethane	7.244	49	96031	46.547	ug/l	100
29) Tetrahydrofuran	7.262	42	98109	211.767	ug/l	100
30) Chloroform	7.427	83	215264	45.919	ug/l	94
31) Cyclohexane	7.701	56	206176	43.757	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	194039	46.627	ug/l	99
36) 1,1-Dichloropropene	7.835	75	166116	46.978	ug/l	99
37) Ethyl Acetate	6.988	43	68761	43.605	ug/l	98
38) Carbon Tetrachloride	7.823	117	173199	47.747	ug/l	97
39) Methylcyclohexane	9.110	83	222971	46.923	ug/l	99
40) Benzene	8.085	78	491078	47.020	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	39730	43.134	ug/l		99
42) 1,2-Dichloroethane	8.158	62	130161	45.644	ug/l		98
43) Isopropyl Acetate	8.201	43	150263	44.122	ug/l	#	88
44) Trichloroethene	8.866	130	118971	46.609	ug/l		97
45) 1,2-Dichloropropane	9.140	63	114988	46.587	ug/l		96
46) Dibromomethane	9.231	93	64473	46.430	ug/l		98
47) Bromodichloromethane	9.427	83	164872	46.825	ug/l		100
48) Methyl methacrylate	9.219	41	70644	44.198	ug/l		98
49) 1,4-Dioxane	9.231	88	13433	816.553	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.000	43	372276	219.250	ug/l		98
52) Toluene	10.170	92	309375	47.137	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	152066	46.094	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	177445	46.206	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	79596	44.953	ug/l		96
56) Ethyl methacrylate	10.439	69	115237	45.029	ug/l		99
57) 1,3-Dichloropropane	10.719	76	143407	45.696	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	283213	243.746	ug/l		99
59) 2-Hexanone	10.762	43	249926	220.088	ug/l		99
60) Dibromochloromethane	10.914	129	101515	45.114	ug/l		100
61) 1,2-Dibromoethane	11.018	107	74173	45.960	ug/l		97
64) Tetrachloroethene	10.646	164	121944	45.398	ug/l		98
65) Chlorobenzene	11.444	112	317533	45.953	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	105830	45.464	ug/l		98
67) Ethyl Benzene	11.518	91	605560	47.248	ug/l		99
68) m/p-Xylenes	11.633	106	454148	93.473	ug/l		100
69) o-Xylene	11.957	106	209354	45.959	ug/l		98
70) Styrene	11.969	104	352505	46.815	ug/l		98
71) Bromoform	12.133	173	55559	44.852	ug/l	#	98
73) Isopropylbenzene	12.255	105	559690	46.933	ug/l		100
74) N-amyl acetate	12.072	43	136915	45.502	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	87402	44.656	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	122591	73.772	ug/l	#	100
77) Bromobenzene	12.536	156	114771	45.607	ug/l		100
78) n-propylbenzene	12.597	91	680155	46.696	ug/l		99
79) 2-Chlorotoluene	12.682	91	358756	46.472	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	438873	46.876	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	29567	42.968	ug/l		100
82) 4-Chlorotoluene	12.780	91	368631	46.289	ug/l		100
83) tert-Butylbenzene	12.999	119	400440	47.655	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	437631	46.735	ug/l		99
85) sec-Butylbenzene	13.176	105	607968	47.241	ug/l		100
86) p-Isopropyltoluene	13.292	119	501979	47.321	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	234193	45.932	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	223096	45.113	ug/l		98
89) n-Butylbenzene	13.621	91	482774	47.968	ug/l		100
90) Hexachloroethane	13.883	117	97273	47.101	ug/l		98
91) 1,2-Dichlorobenzene	13.658	146	195728	45.213	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12728	44.665	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	109742	46.481	ug/l		97
94) Hexachlorobutadiene	15.023	225	59236	45.457	ug/l		98
95) Naphthalene	15.145	128	203925	45.009	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	89699	44.331	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

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

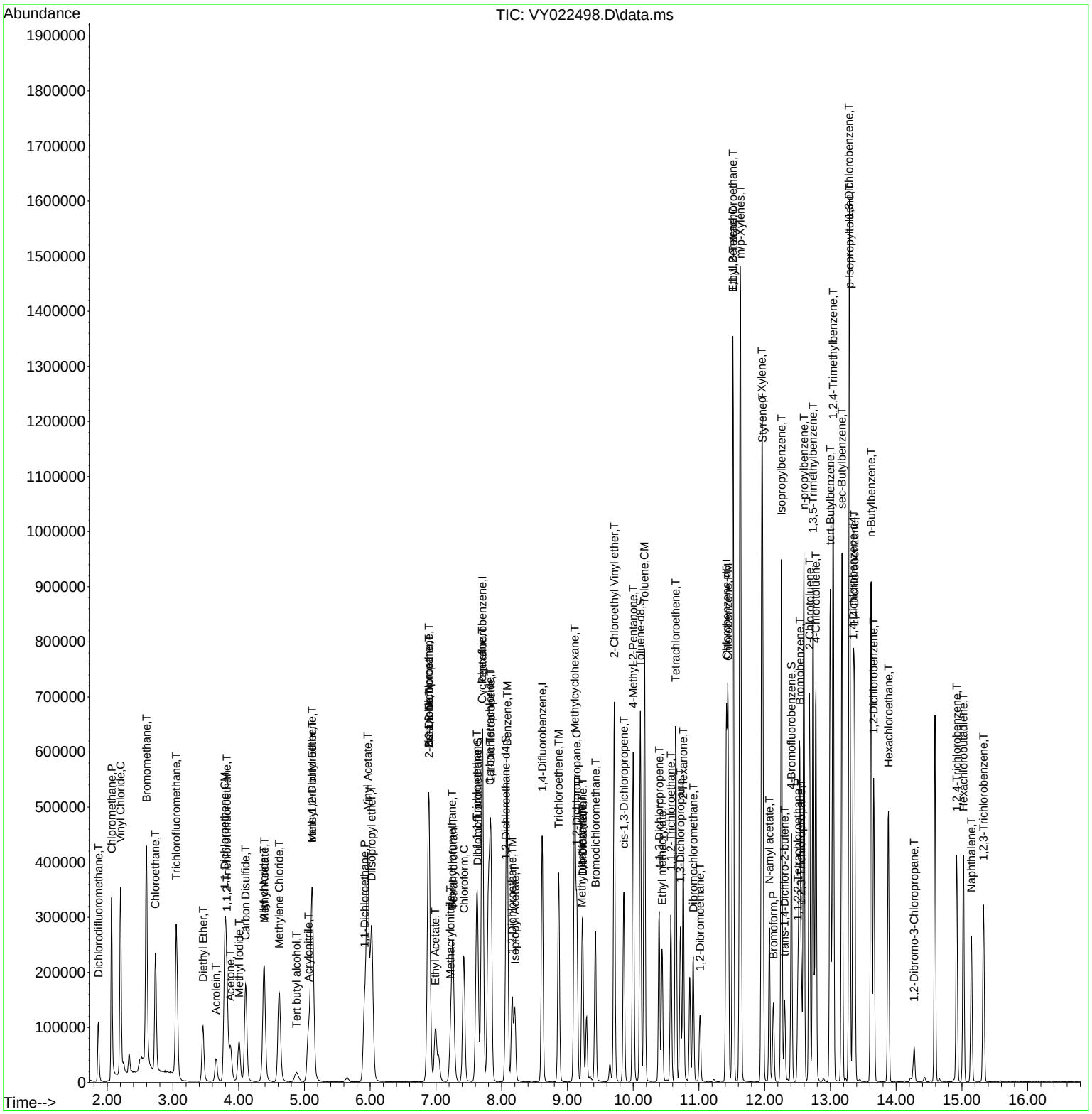
(#) = qualifier out of range (m) = manual integration (+) = signals summed

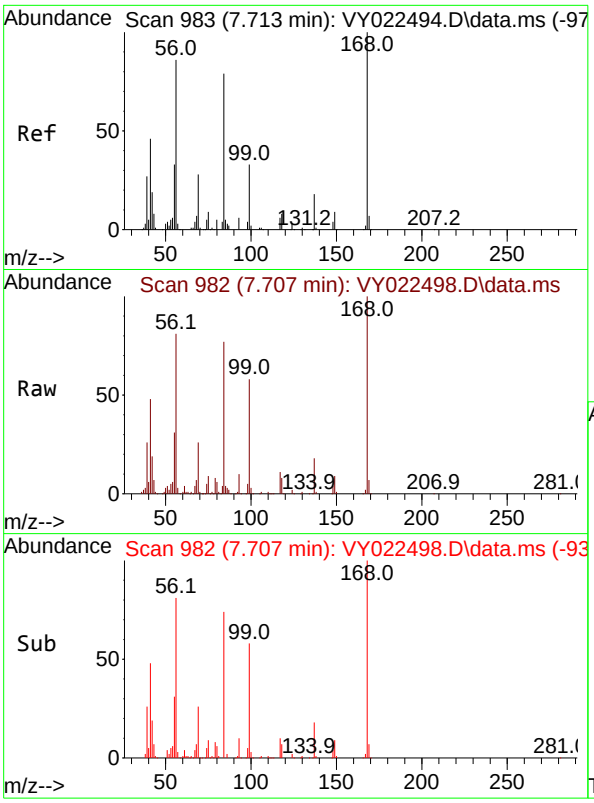
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
Data File : VY022498.D
Acq On : 02 Jun 2025 14:59
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Quant Time: Jun 03 03:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration



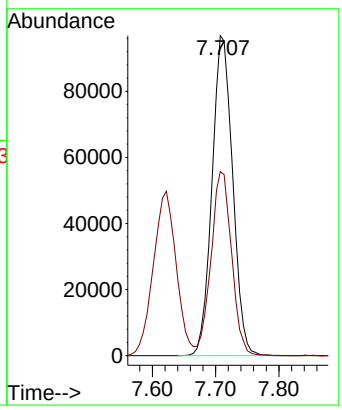


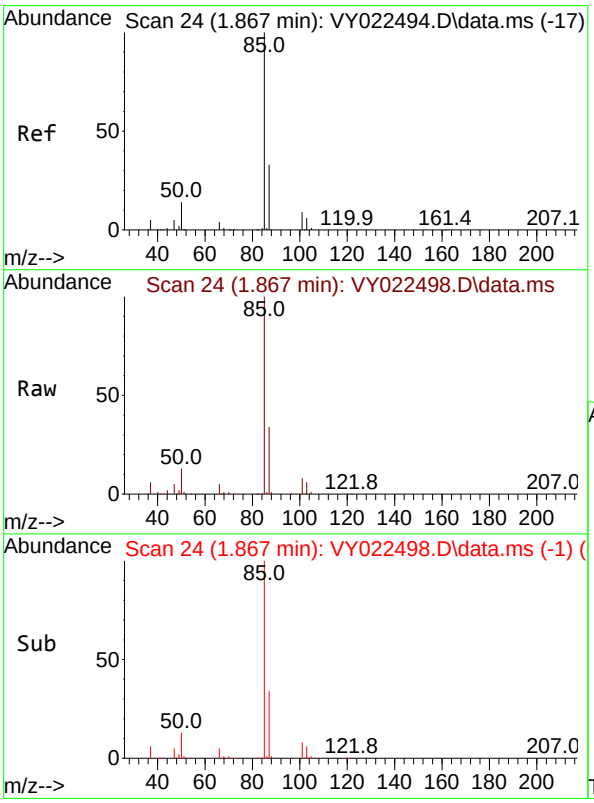
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:168 Resp: 219240

Ion	Ratio	Lower	Upper
168	100		
99	57.4	44.3	66.5

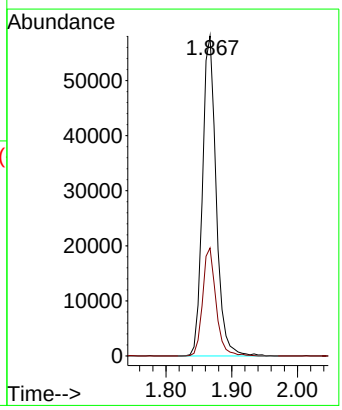


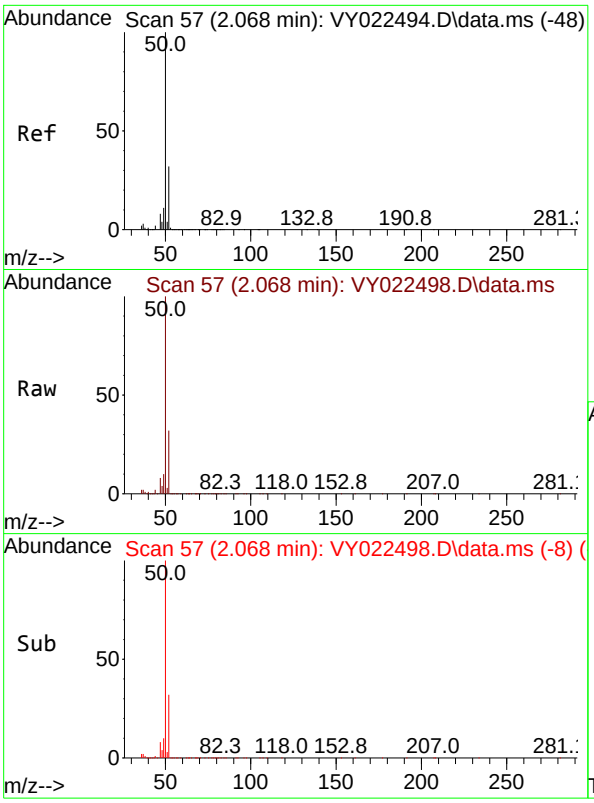


#2
Dichlorodifluoromethane
Concen: 42.825 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 85 Resp: 84059

Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.7	50.0



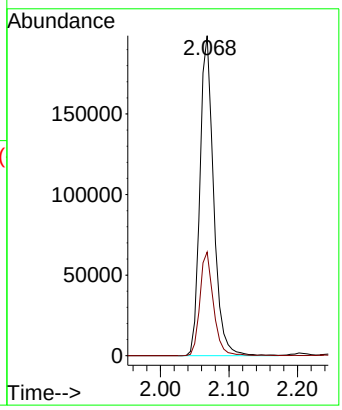


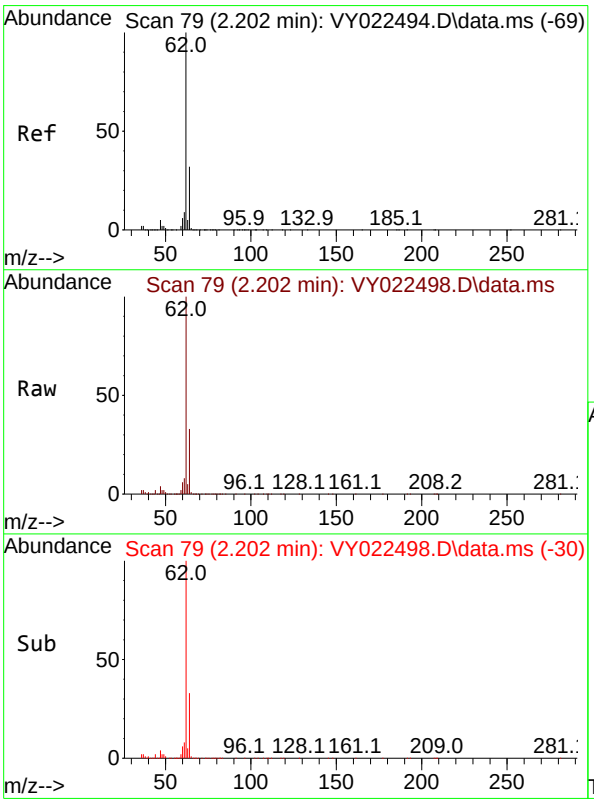
#3
Chloromethane
Concen: 47.616 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 50 Resp: 276116

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.0	39.0

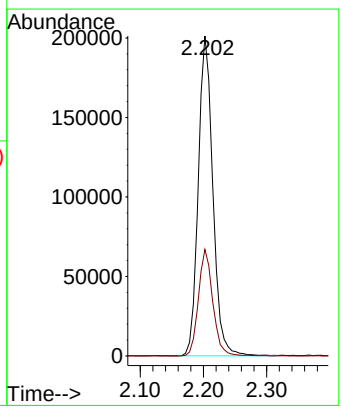


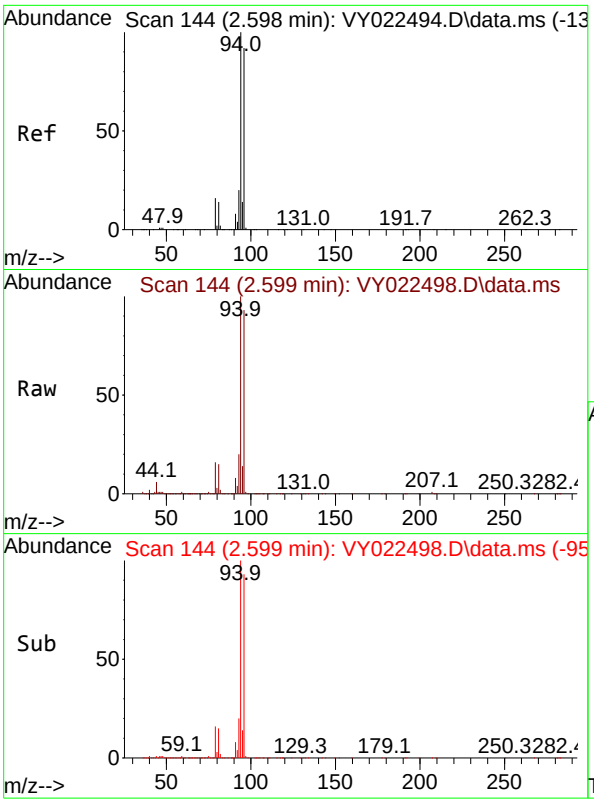


#4
Vinyl Chloride
Concen: 48.066 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 62 Resp: 323338

Ion	Ratio	Lower	Upper
62	100		
64	33.3	25.3	37.9



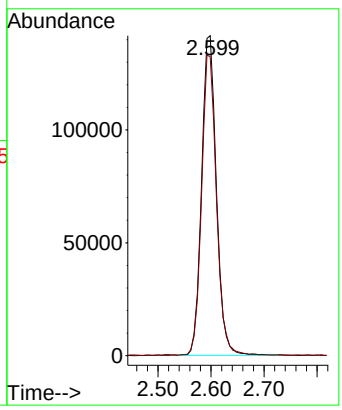


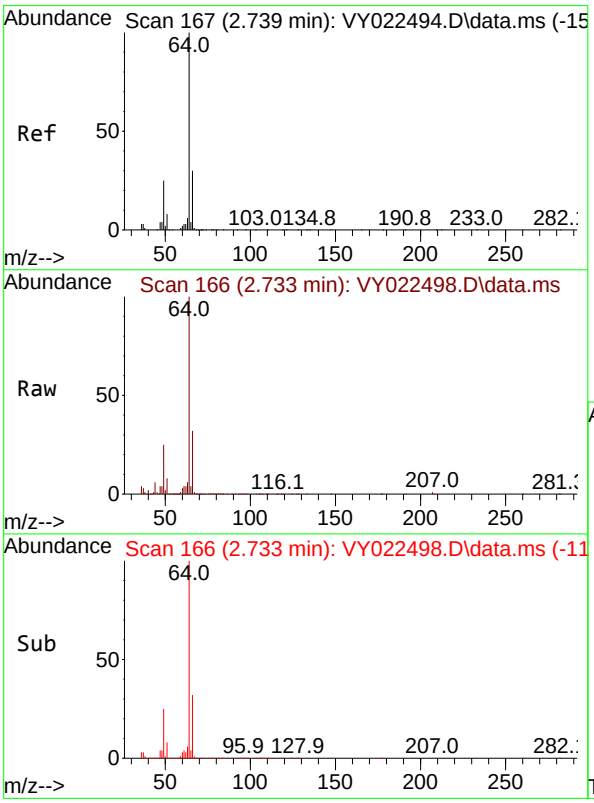
#5
Bromomethane
Concen: 42.515 ug/l
RT: 2.599 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 94 Resp: 274123

Ion	Ratio	Lower	Upper
94	100		
96	93.4	74.0	111.0

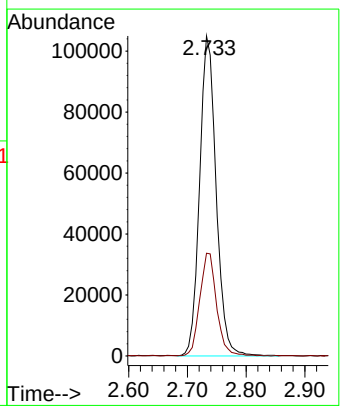


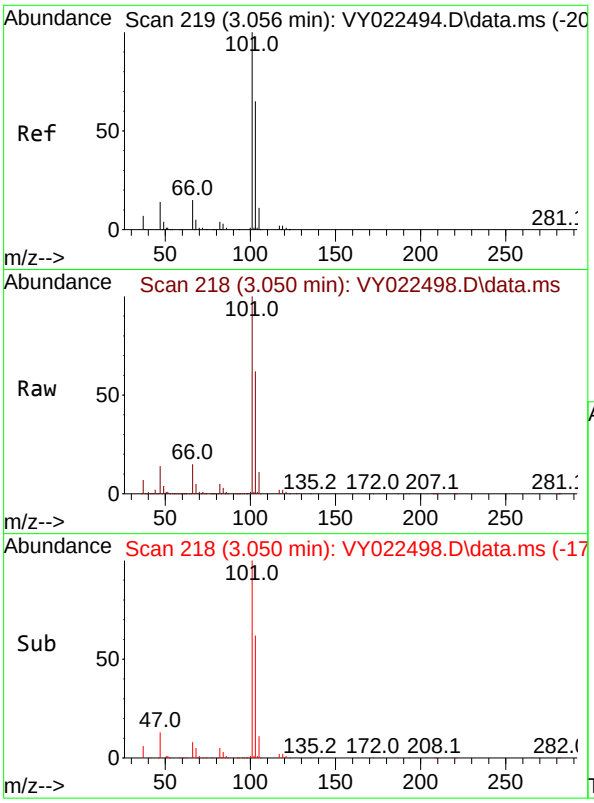


#6
Chloroethane
Concen: 44.575 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 64 Resp: 205816

Ion	Ratio	Lower	Upper
64	100		
66	32.0	23.8	35.6



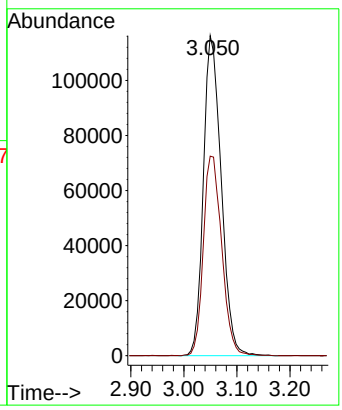


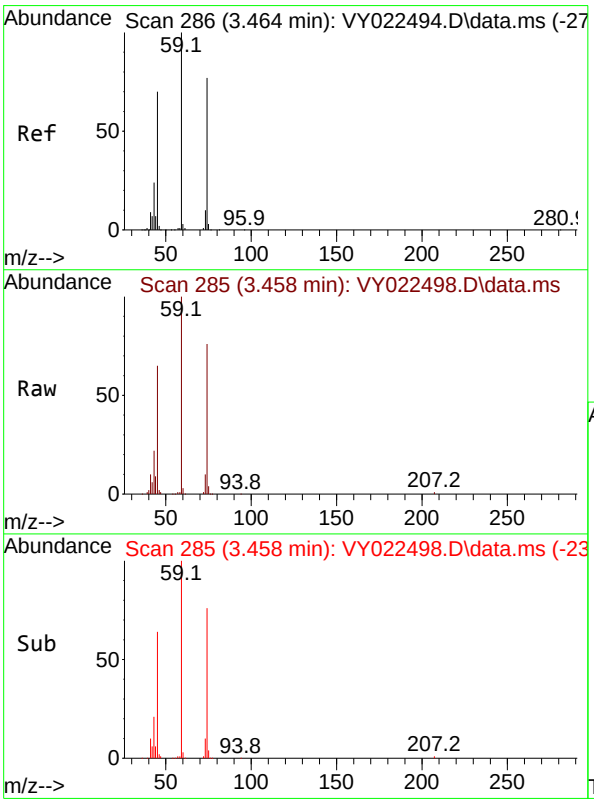
#7
Trichlorofluoromethane
Concen: 47.475 ug/l
RT: 3.050 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:101 Resp: 271122

Ion	Ratio	Lower	Upper
101	100		
103	62.4	52.2	78.2

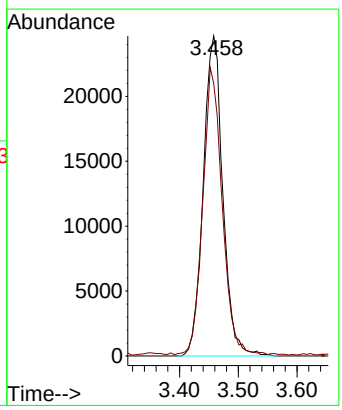


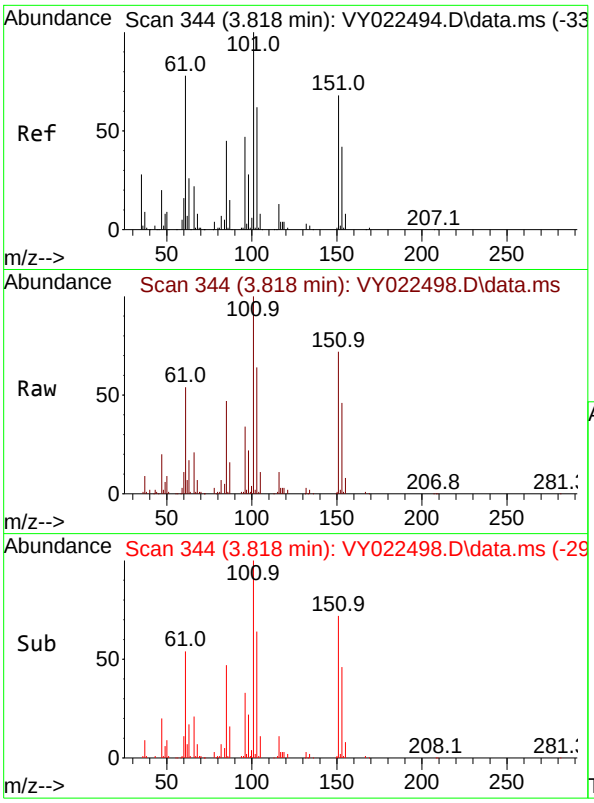


#8
Diethyl Ether
Concen: 44.247 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 74 Resp: 56906

Ion	Ratio	Lower	Upper
74	100		
45	89.1	45.9	137.6



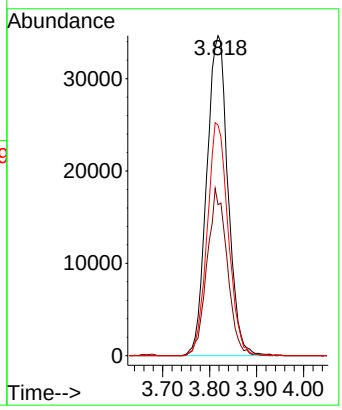


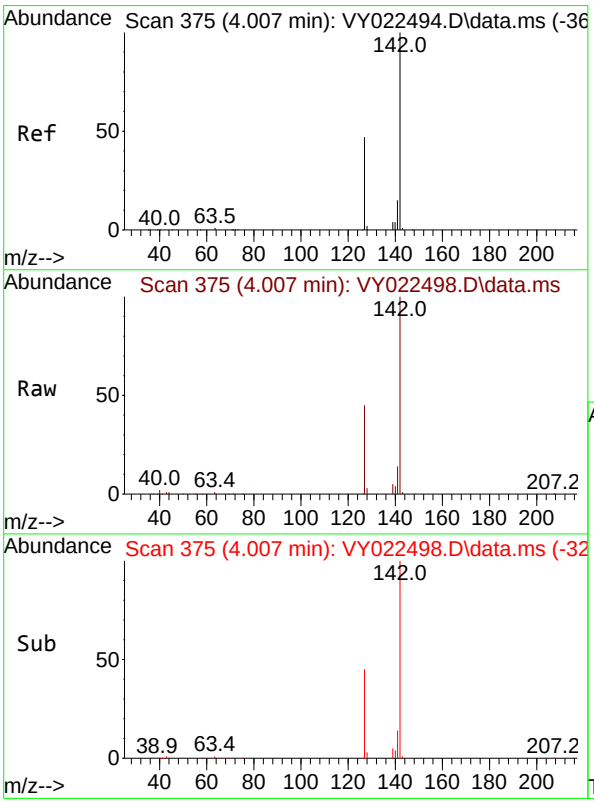
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.230 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:101 Resp: 108788

Ion	Ratio	Lower	Upper
101	100		
85	49.7	39.3	58.9
151	71.8	57.8	86.8

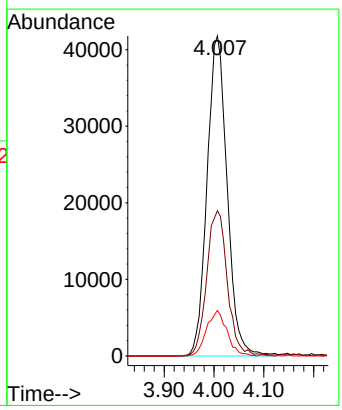


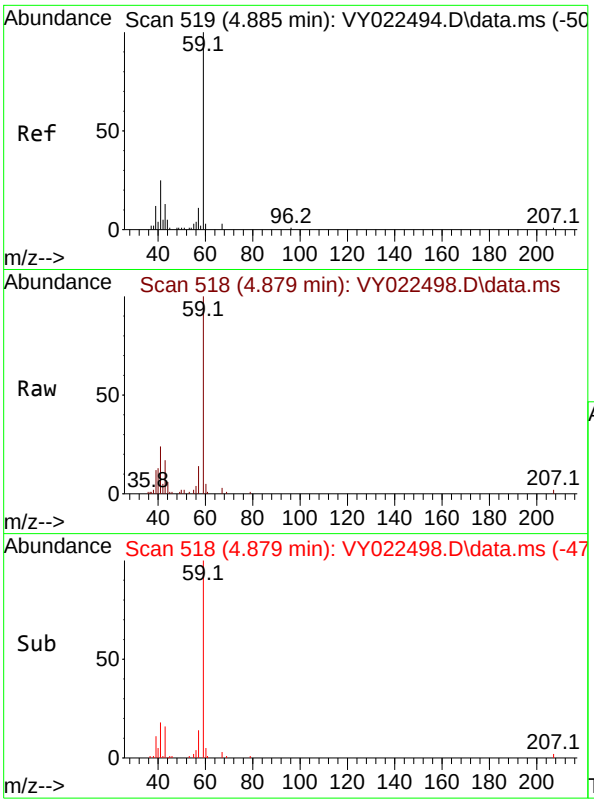


#10
Methyl Iodide
Concen: 44.885 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:142 Resp: 116830

Ion	Ratio	Lower	Upper
142	100		
127	46.7	37.1	55.7
141	14.5	11.4	17.2



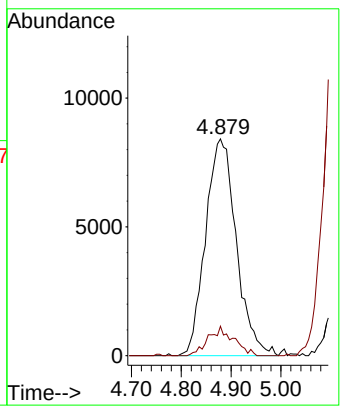


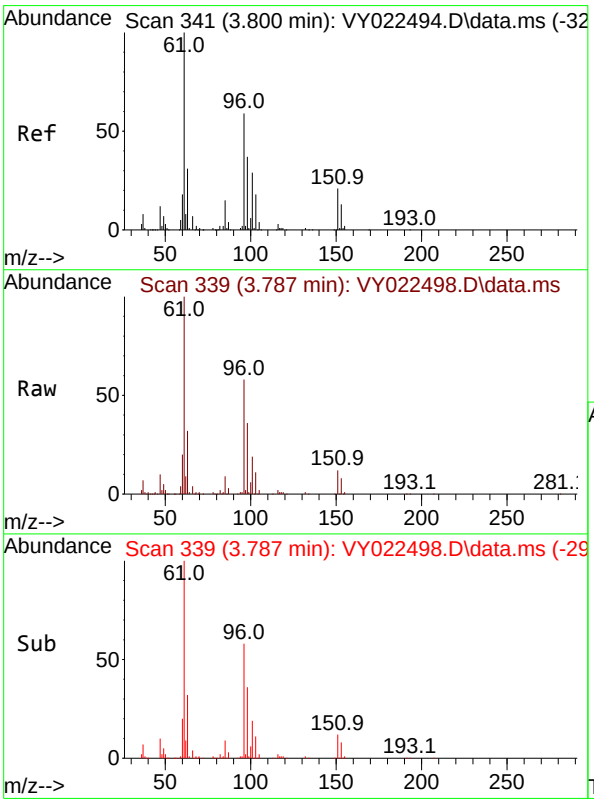
#11
Tert butyl alcohol
Concen: 205.761 ug/l
RT: 4.879 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 59 Resp: 36036

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.0	12.0

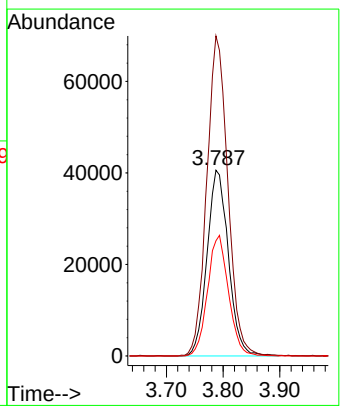


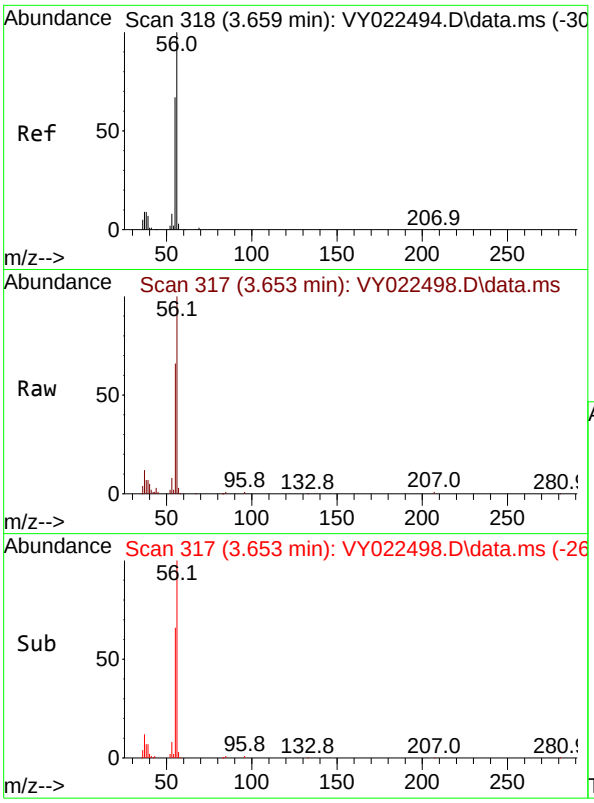


#12
1,1-Dichloroethene
Concen: 46.234 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.012 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 96 Resp: 106297

Ion	Ratio	Lower	Upper
96	100		
61	172.2	134.6	201.8
98	62.0	50.2	75.4



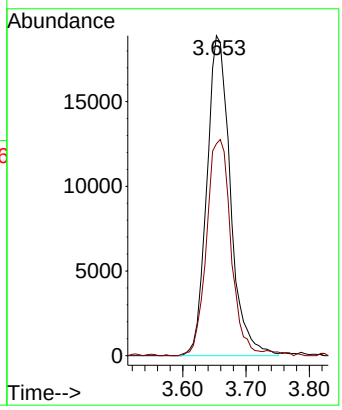


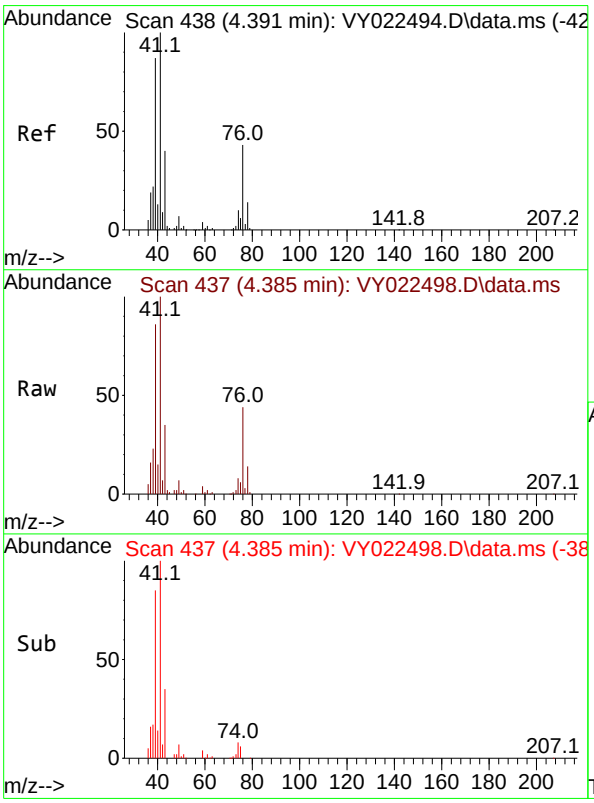
#13
Acrolein
Concen: 223.473 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 56 Resp: 48776

Ion	Ratio	Lower	Upper
56	100		
55	70.0	57.0	85.6

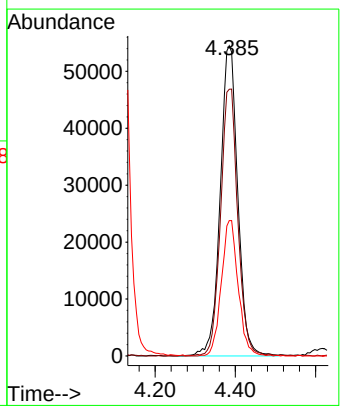


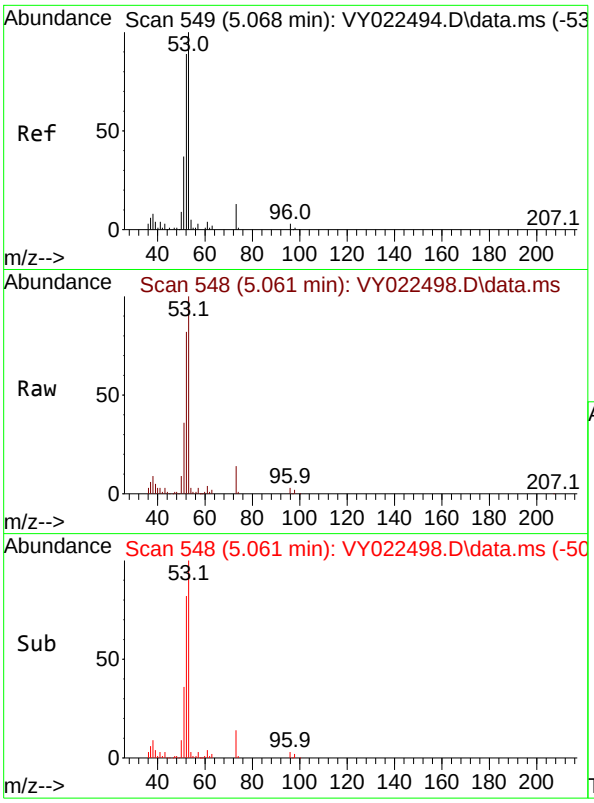


#14
Allyl chloride
Concen: 45.834 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 41 Resp: 165428

Ion	Ratio	Lower	Upper
41	100		
39	84.5	69.1	103.7
76	41.9	33.5	50.3



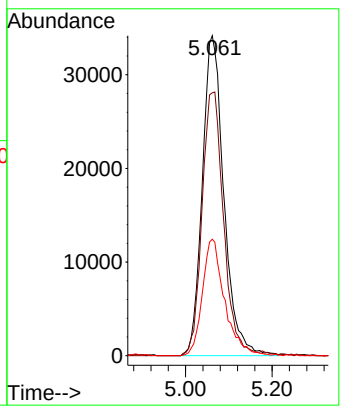


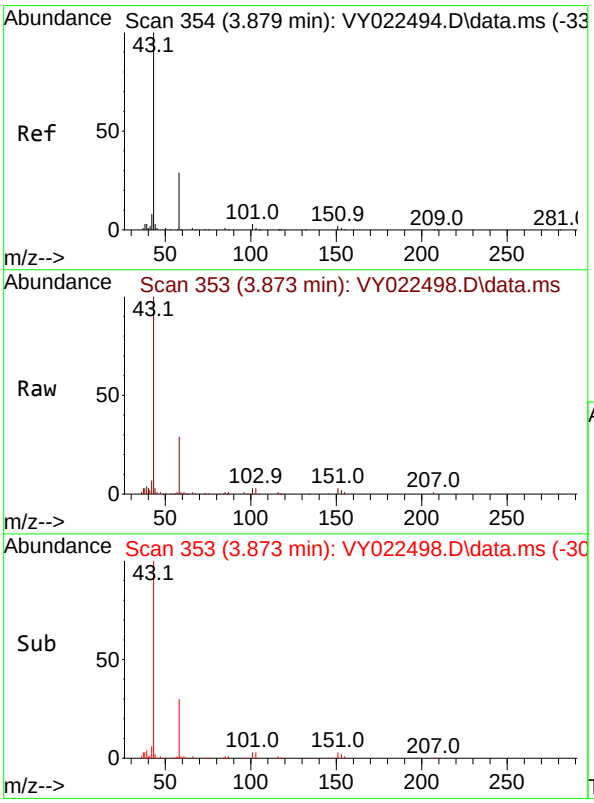
#15
Acrylonitrile
Concen: 216.963 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 53 Resp: 118175

Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	37.5	30.1	45.1

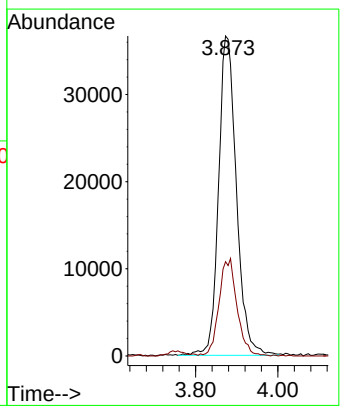


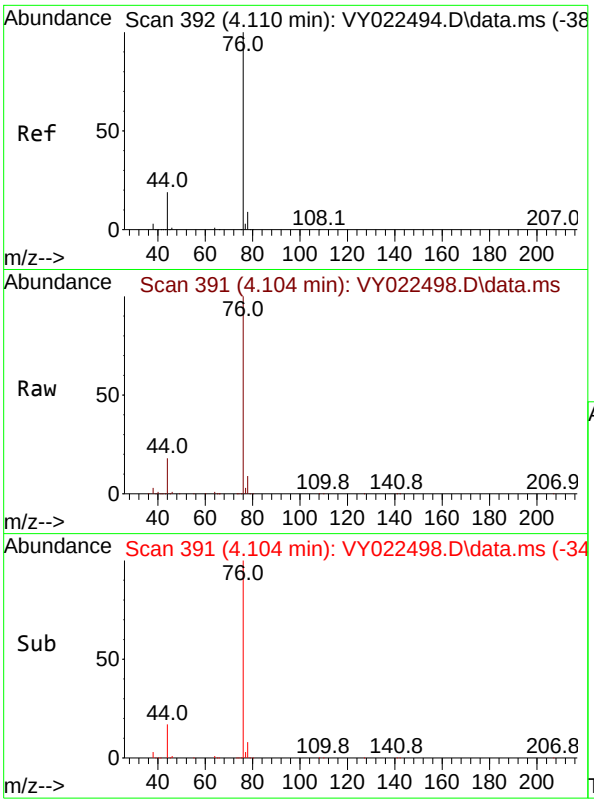


#16
Acetone
Concen: 221.854 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 110479

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.0	36.0



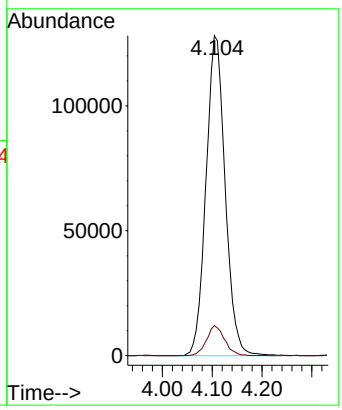


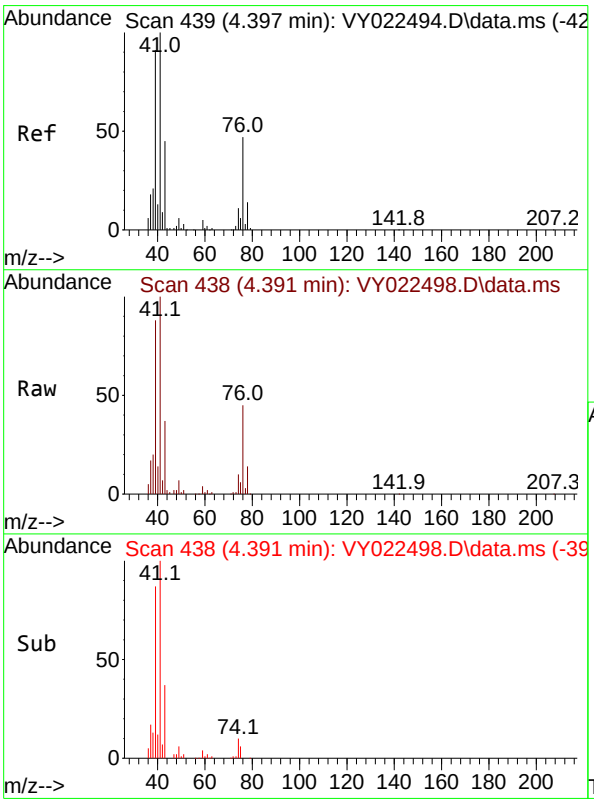
#17
Carbon Disulfide
Concen: 46.432 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 76 Resp: 341772

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2

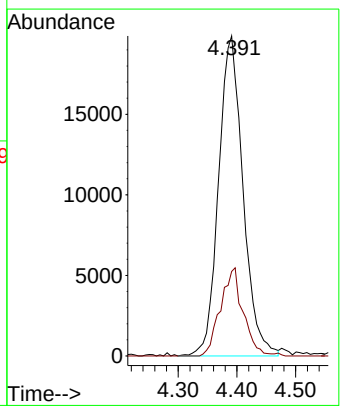


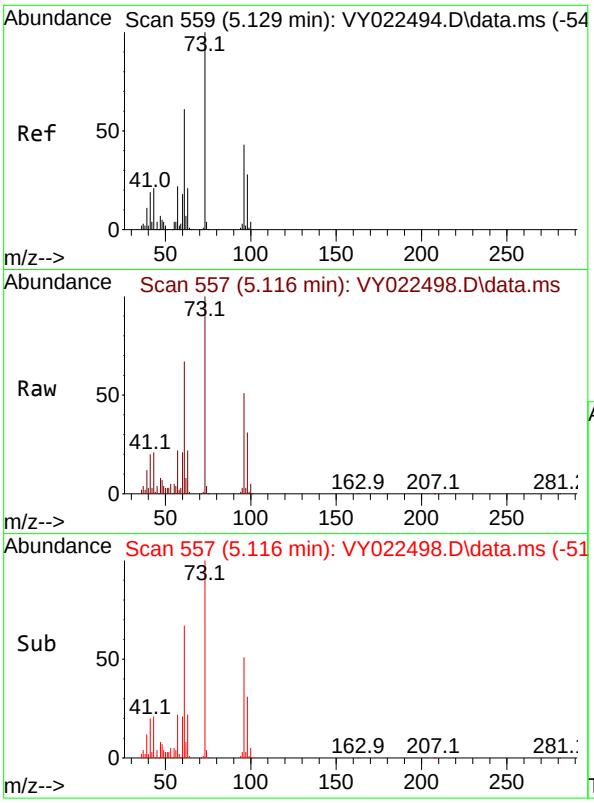


#18
Methyl Acetate
Concen: 38.935 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 57416

Ion	Ratio	Lower	Upper
43	100		
74	25.6	19.8	29.6



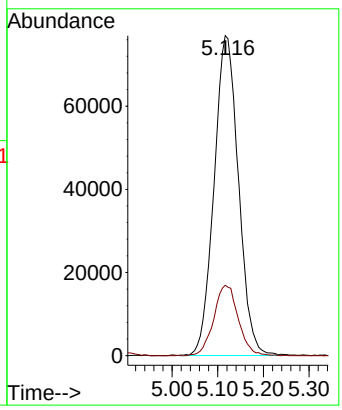


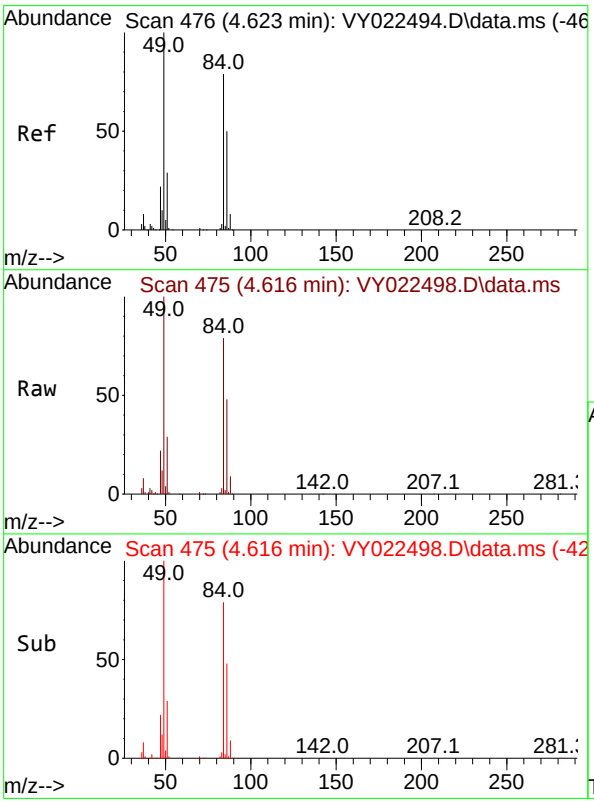
#19
Methyl tert-butyl Ether
Concen: 43.974 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 73 Resp: 284761

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.0

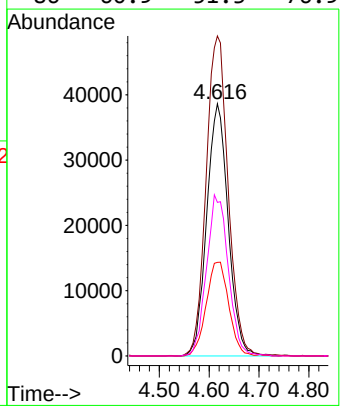


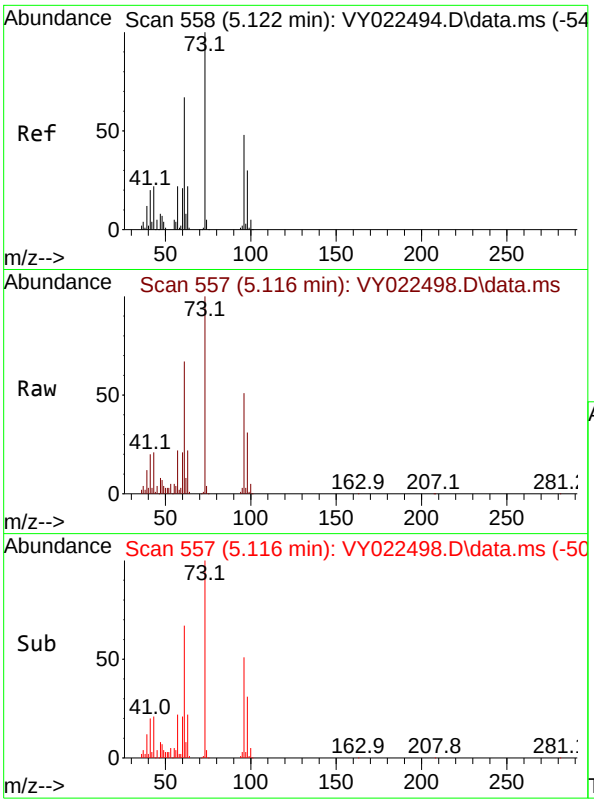


#20
Methylene Chloride
Concen: 40.875 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 84 Resp: 115624

Ion	Ratio	Lower	Upper
84	100		
49	126.9	101.9	152.9
51	37.1	29.8	44.8
86	60.9	51.3	76.9



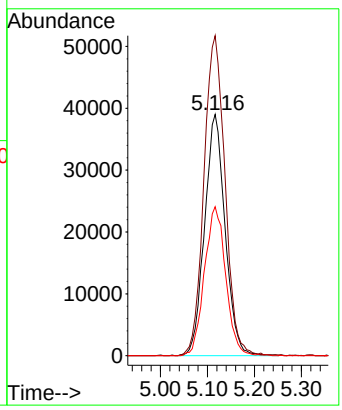


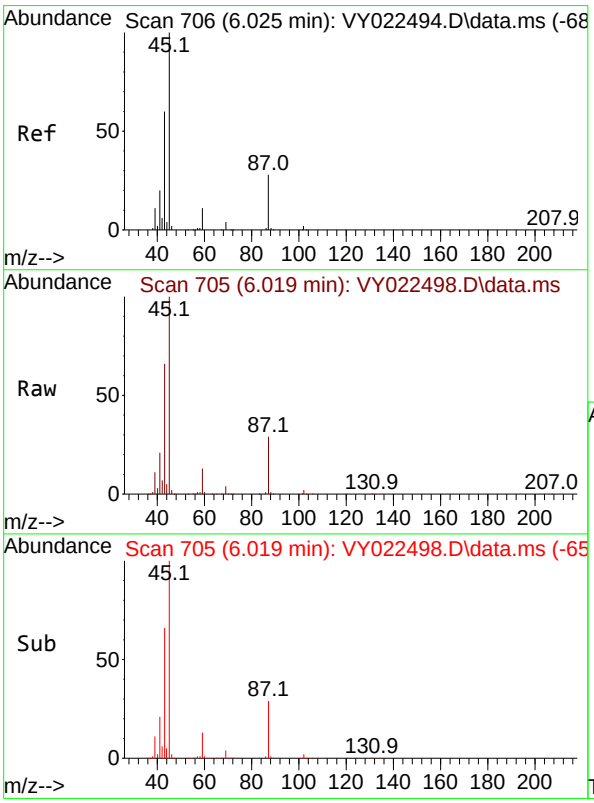
#21
trans-1,2-Dichloroethene
Concen: 46.024 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 96 Resp: 118427

Ion	Ratio	Lower	Upper
96	100		
61	132.6	112.6	169.0
98	61.8	50.6	75.8

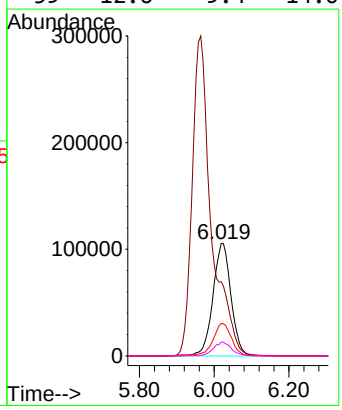


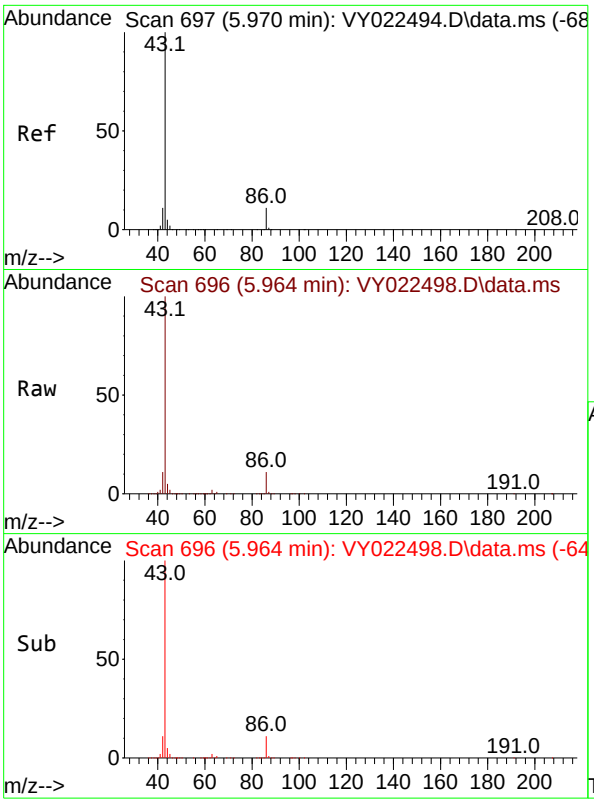


#22
Diisopropyl ether
Concen: 44.104 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 45 Resp: 354328

Ion	Ratio	Lower	Upper
45	100		
43	65.4	48.3	72.5
87	28.8	23.0	34.6
59	12.6	9.4	14.0



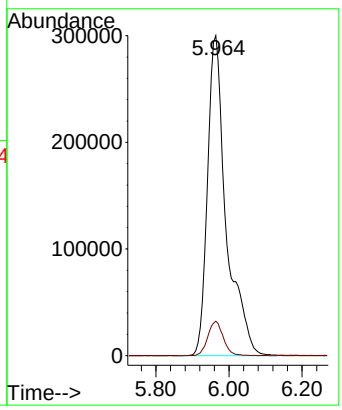


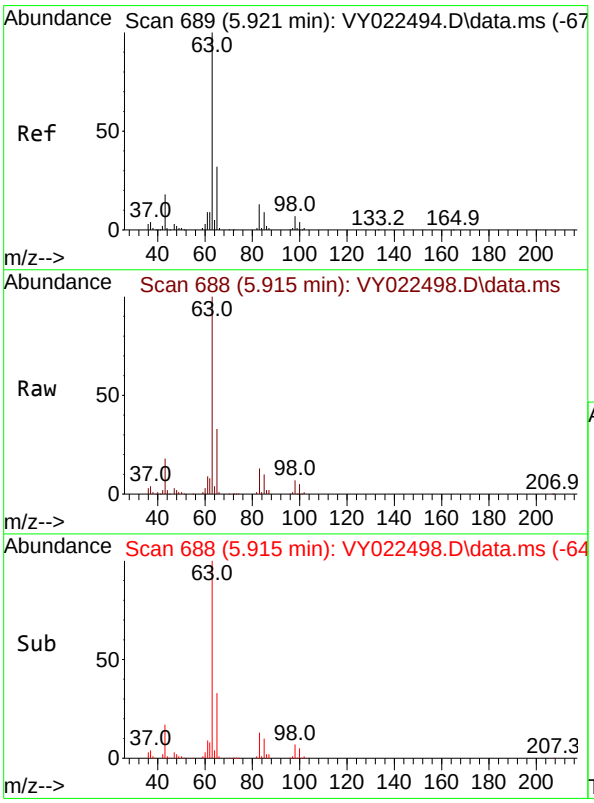
#23
Vinyl Acetate
Concen: 223.951 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 43 Resp: 1064896

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.6	12.8

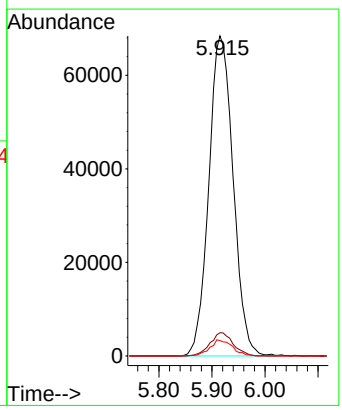


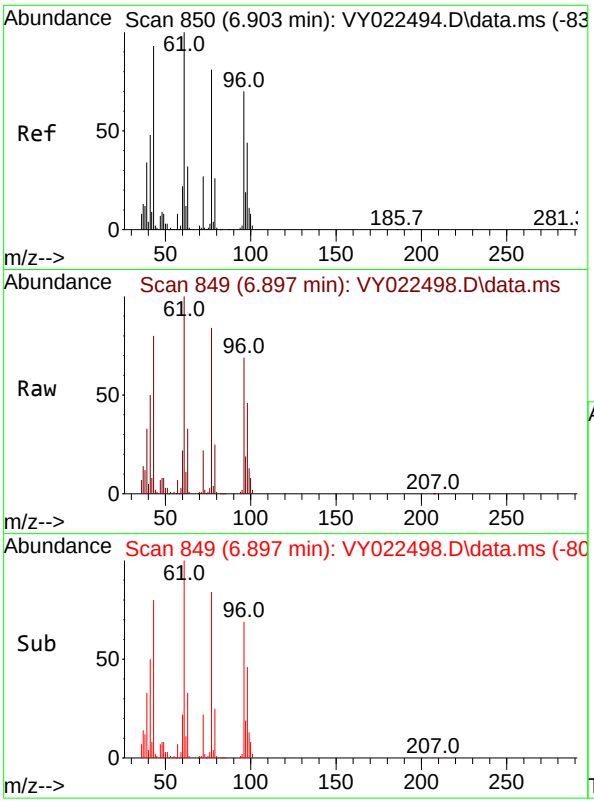


#24
1,1-Dichloroethane
Concen: 46.053 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 63 Resp: 217965

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.1
100	4.8	2.1	6.3



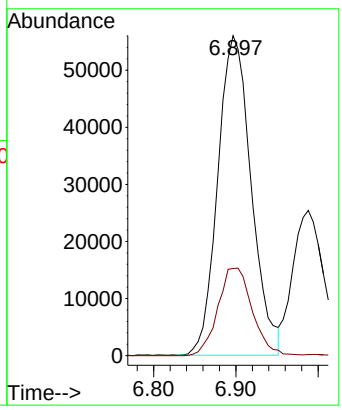


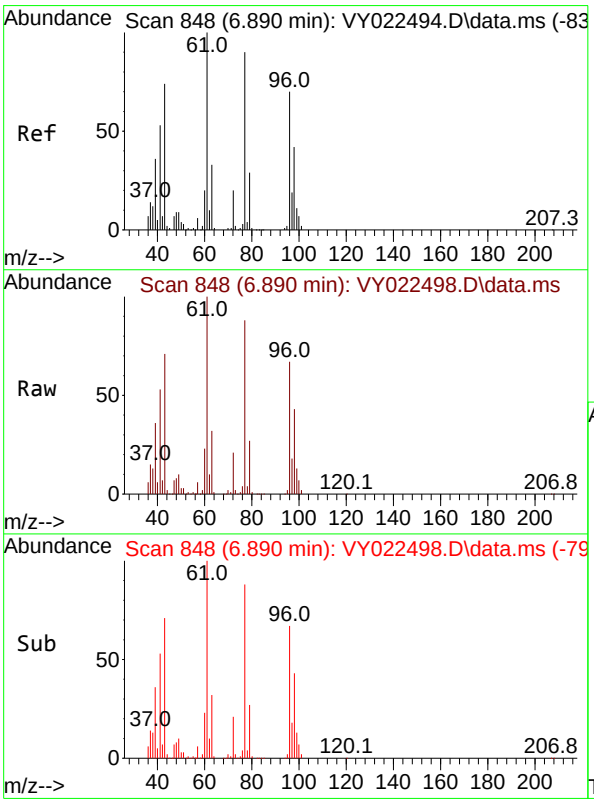
#25
2-Butanone
Concen: 220.736 ug/l
RT: 6.897 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 43 Resp: 158557

Ion	Ratio	Lower	Upper
43	100		
72	27.3	22.9	34.3

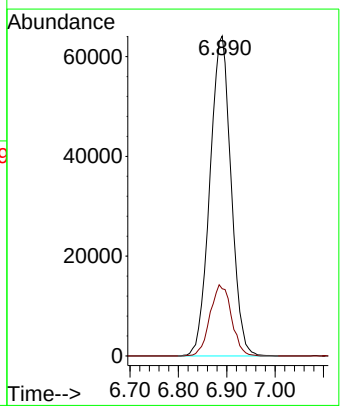


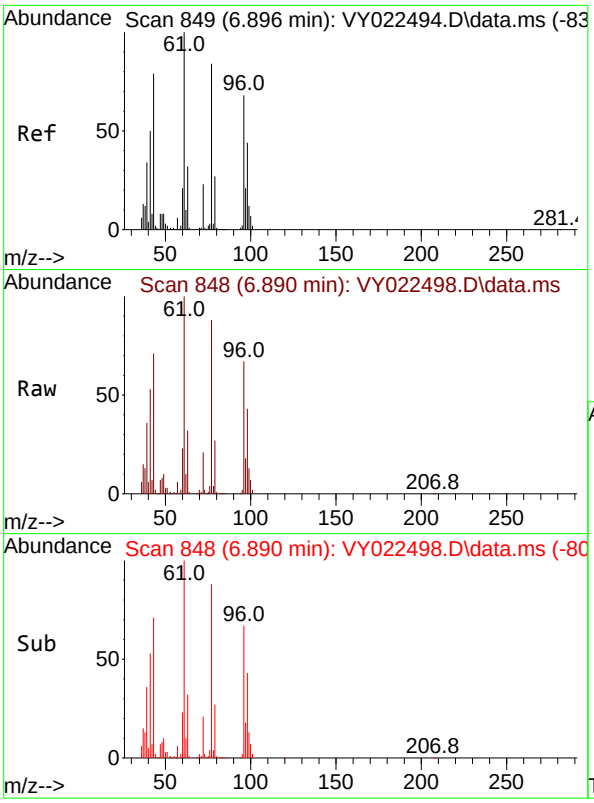


#26
2,2-Dichloropropane
Concen: 46.639 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 77 Resp: 195035

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.4	34.2



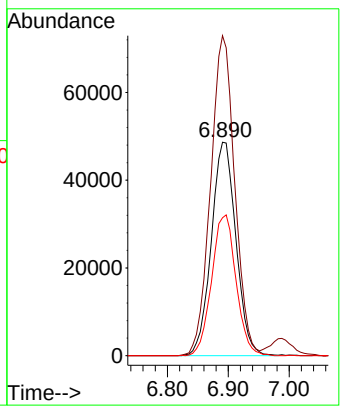


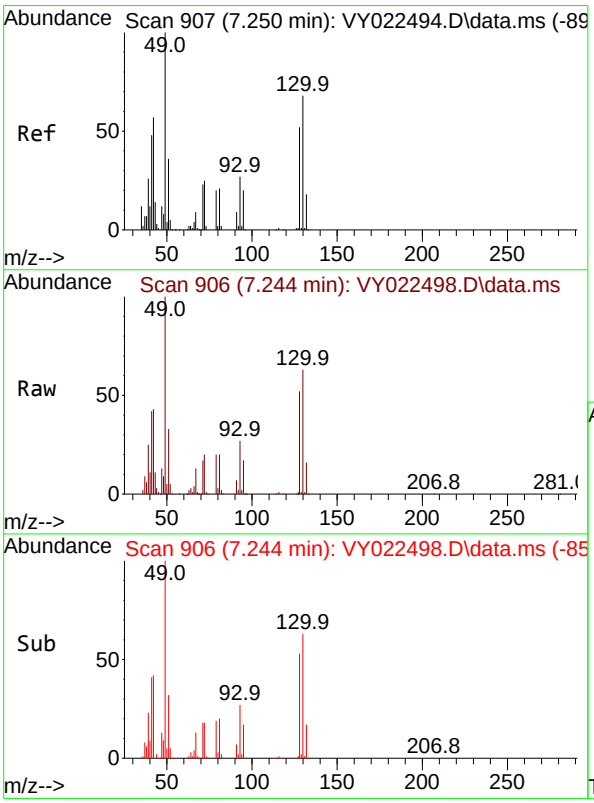
#27
cis-1,2-Dichloroethene
Concen: 46.024 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 96 Resp: 136882

Ion	Ratio	Lower	Upper
96	100		
61	146.7	0.0	290.0
98	65.3	0.0	128.4

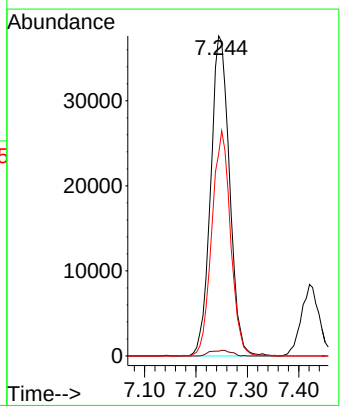


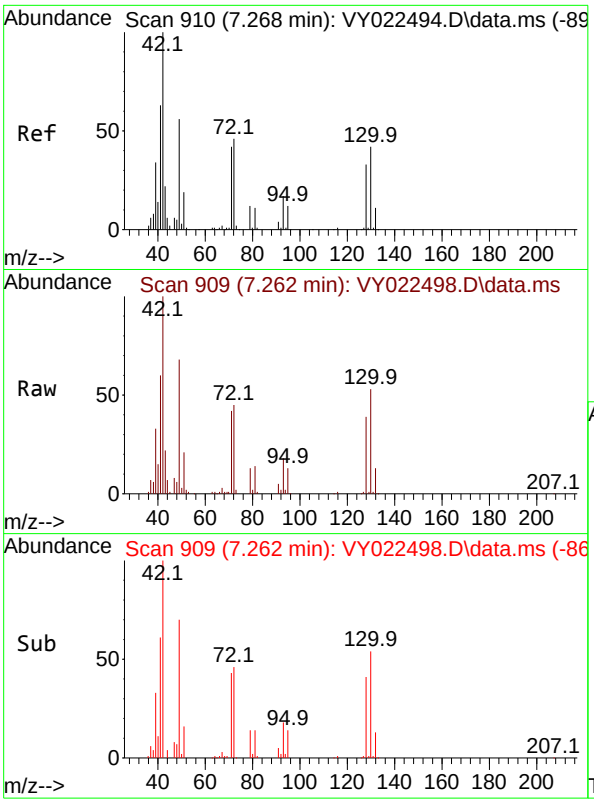


#28
Bromochloromethane
Concen: 46.547 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 49 Resp: 96031

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	69.6	55.7	83.5



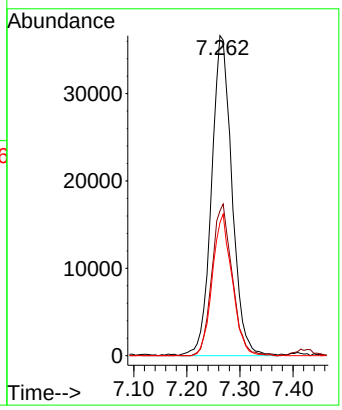


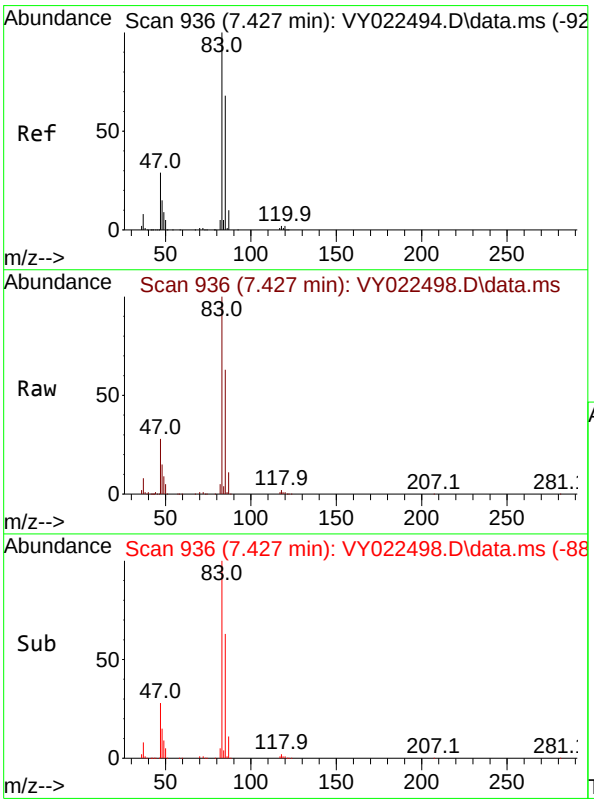
#29
Tetrahydrofuran
Concen: 211.767 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 42 Resp: 98109

Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.4	56.2
71	42.7	34.2	51.2

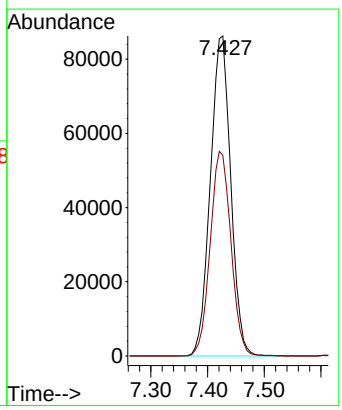


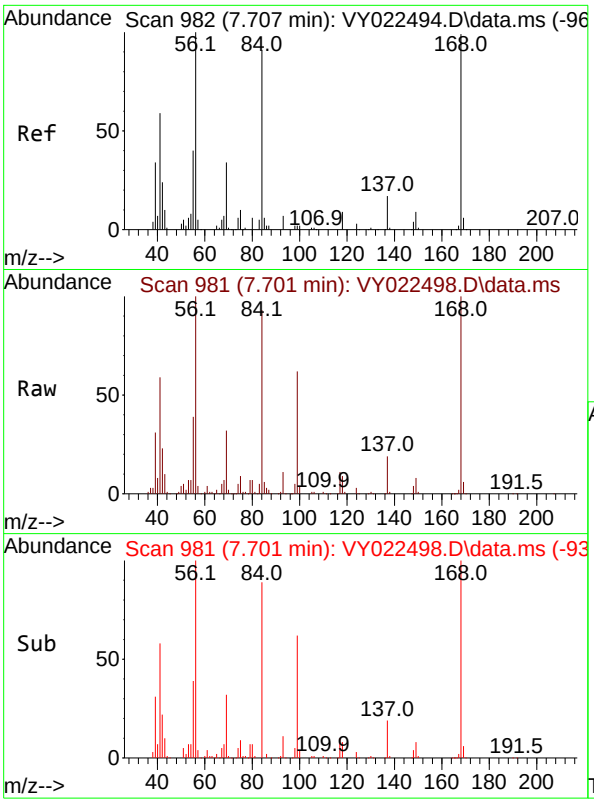


#30
Chloroform
Concen: 45.919 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 83 Resp: 215264

Ion	Ratio	Lower	Upper
83	100		
85	62.7	54.2	81.4



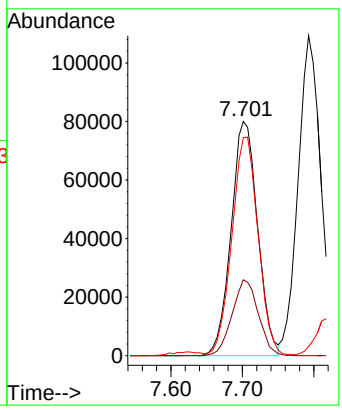


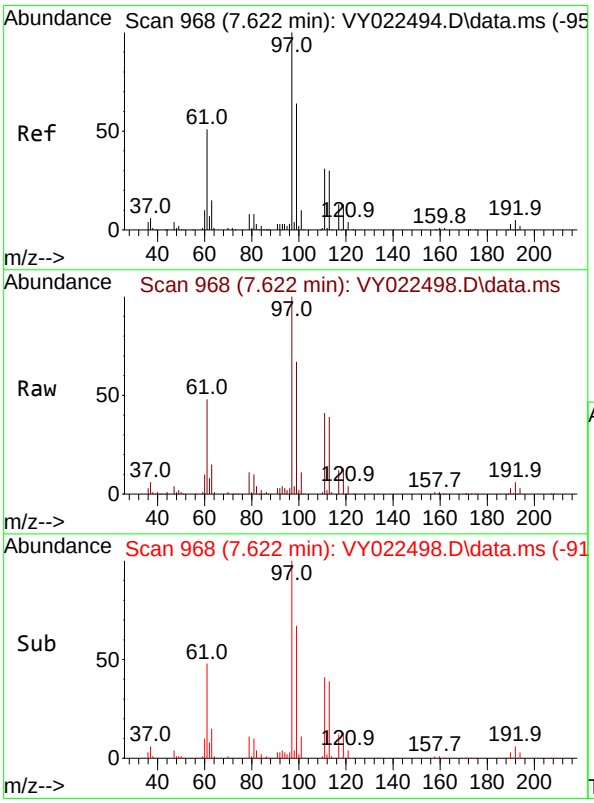
#31
Cyclohexane
Concen: 43.757 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 56 Resp: 206176

Ion	Ratio	Lower	Upper
56	100		
69	32.4	27.0	40.6
84	91.7	72.6	109.0

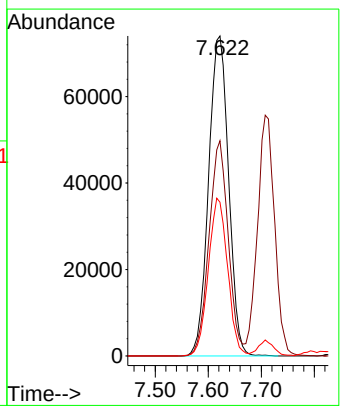


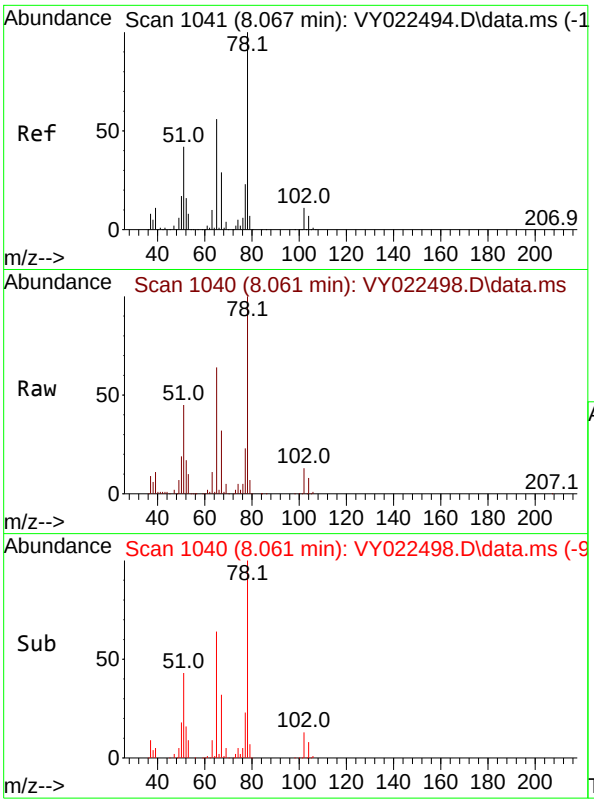


#32
1,1,1-Trichloroethane
Concen: 46.627 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 97 Resp: 194039

Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.9	76.3
61	47.8	38.5	57.7



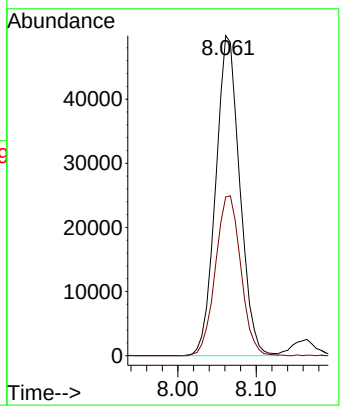


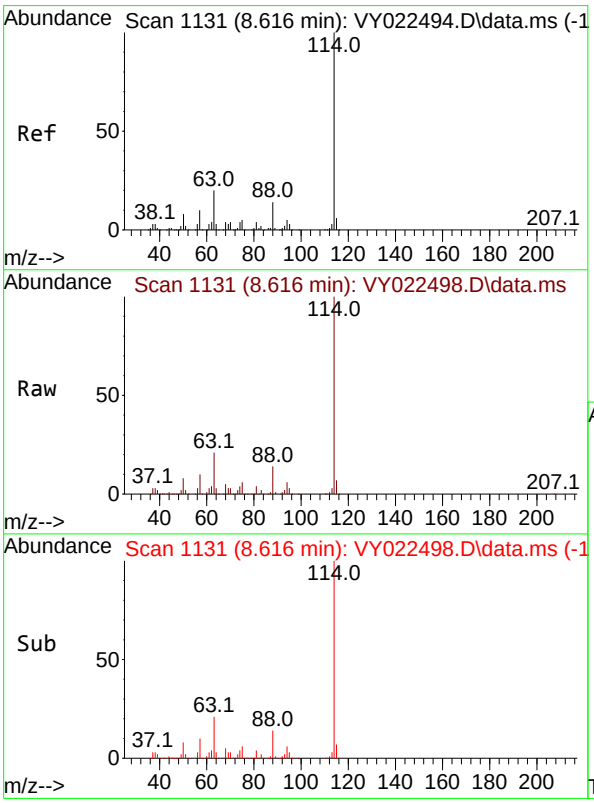
#33
1,2-Dichloroethane-d4
Concen: 43.538 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 65 Resp: 106759

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	103.4

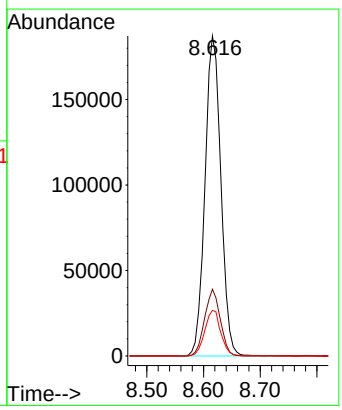


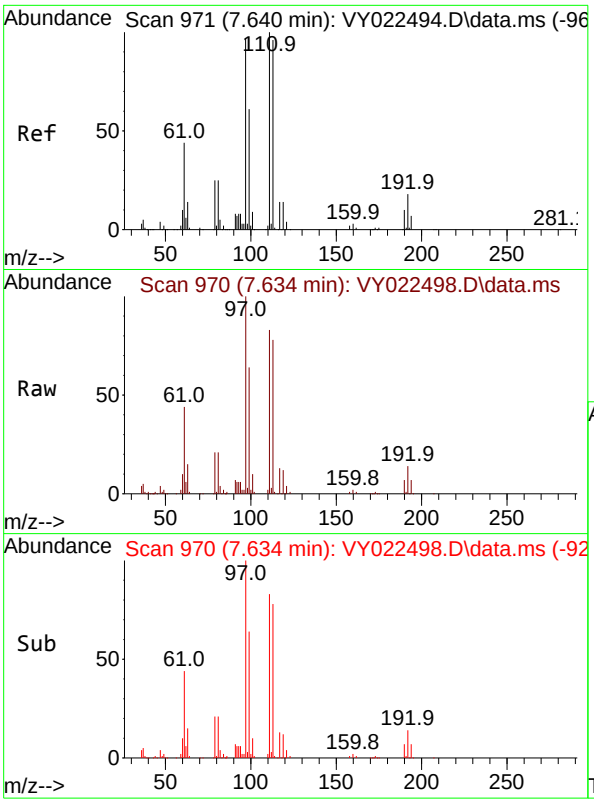


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:114 Resp: 365013

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	40.8
88	14.3	0.0	27.8



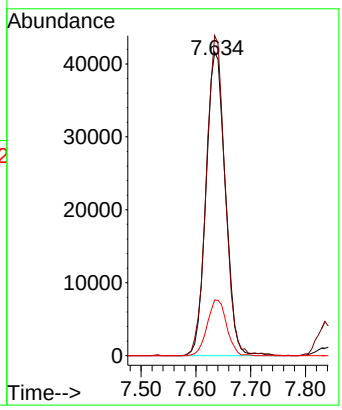


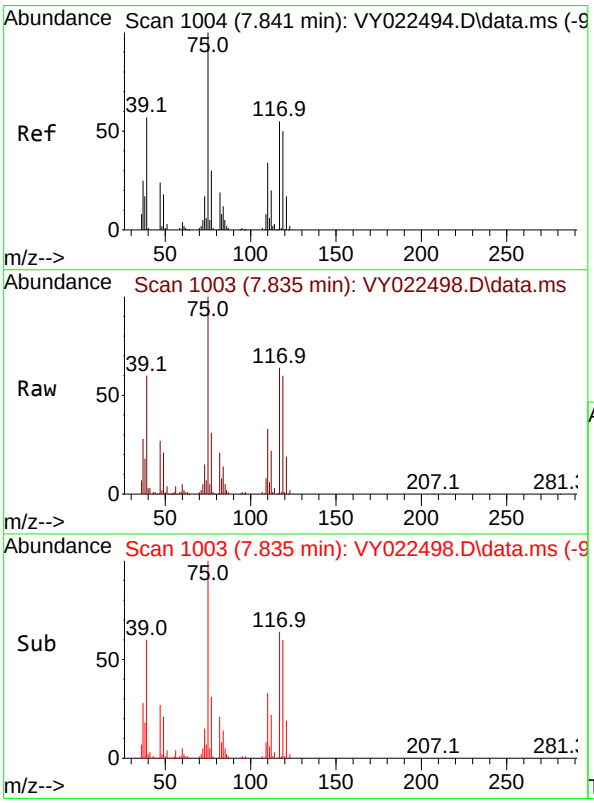
#35
Dibromofluoromethane
Concen: 46.676 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:113 Resp: 101692

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.1	121.7
192	18.4	14.2	21.2

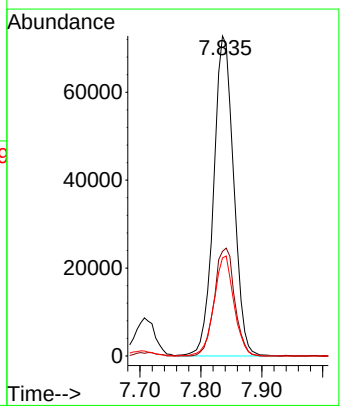


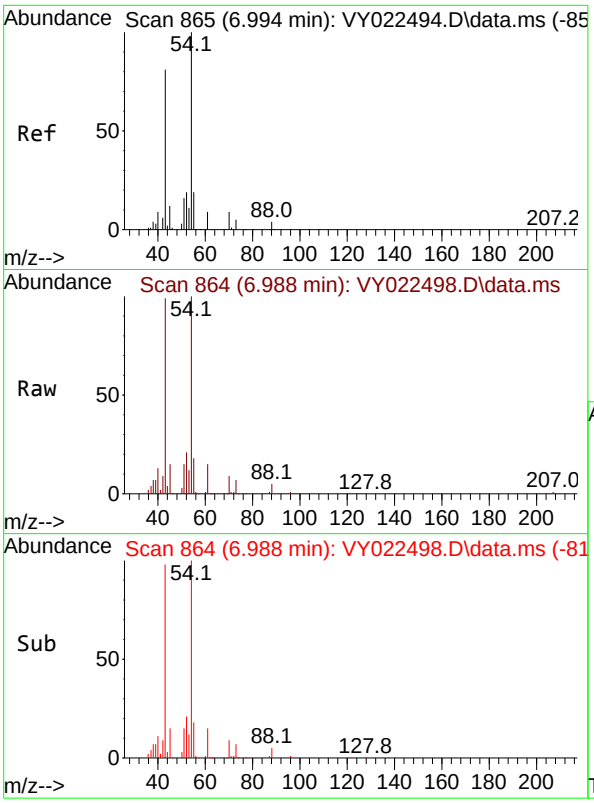


#36
1,1-Dichloropropene
Concen: 46.978 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 75 Resp: 166116

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.9	50.7
77	31.2	24.8	37.2



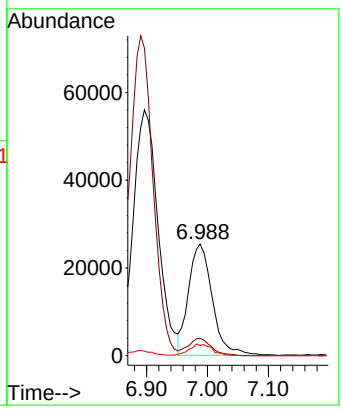


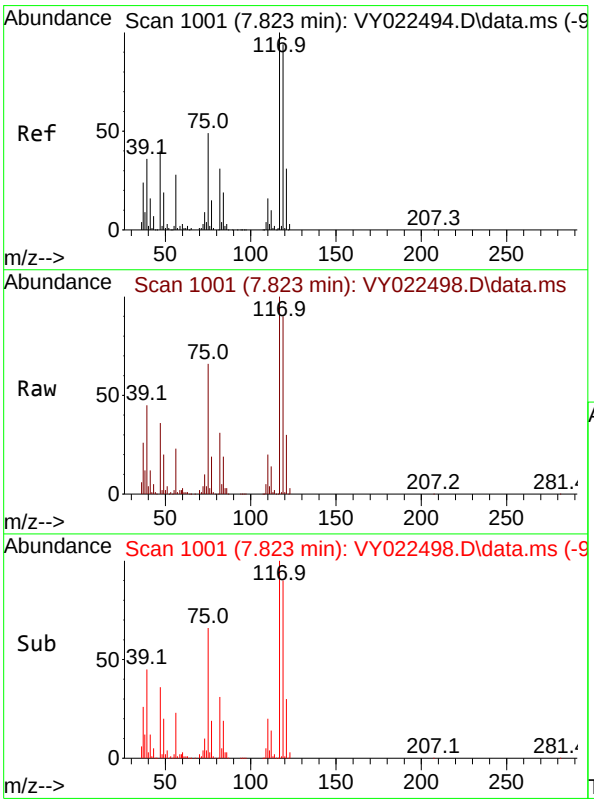
#37
Ethyl Acetate
Concen: 43.605 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 43 Resp: 68761

Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.5	17.3
70	10.1	7.2	10.8

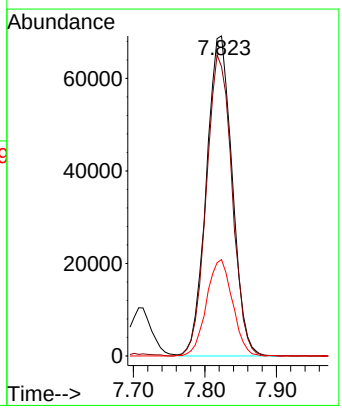


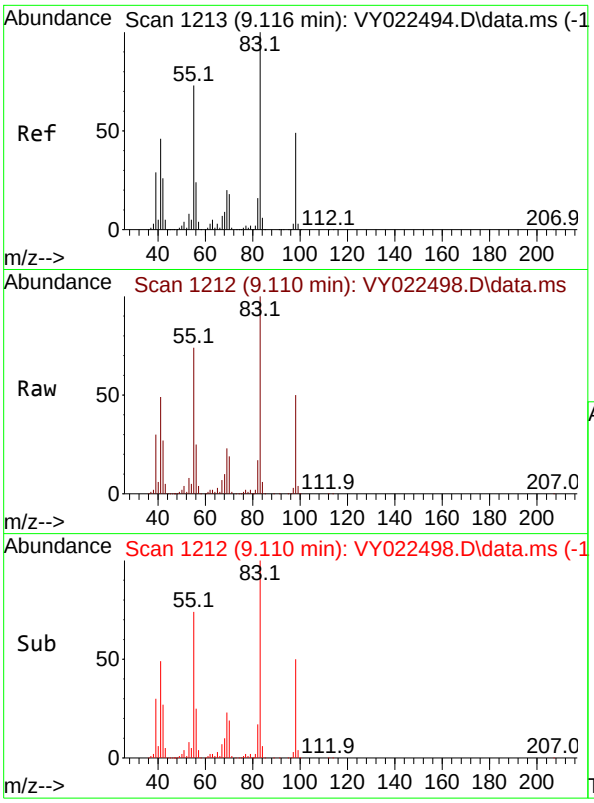


#38
Carbon Tetrachloride
Concen: 47.747 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:117 Resp: 173199

Ion	Ratio	Lower	Upper
117	100		
119	90.3	75.0	112.6
121	30.1	25.0	37.4



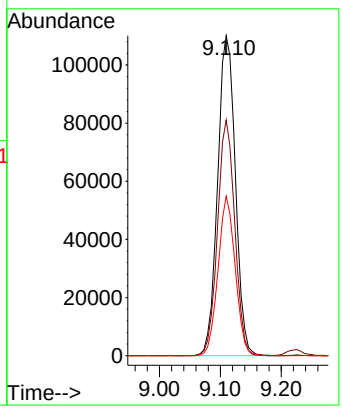


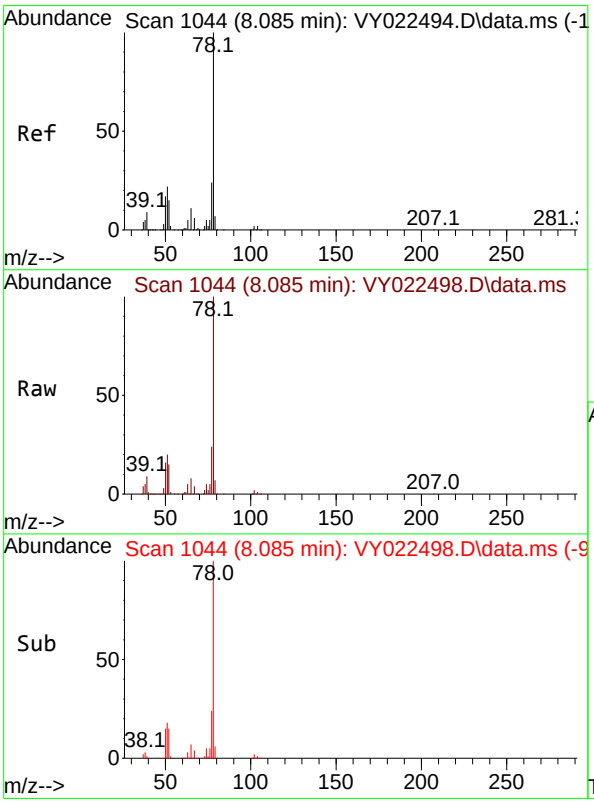
#39
Methylcyclohexane
Concen: 46.923 ug/l
RT: 9.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 83 Resp: 222971

Ion	Ratio	Lower	Upper
83	100		
55	73.7	58.1	87.1
98	49.9	39.0	58.6

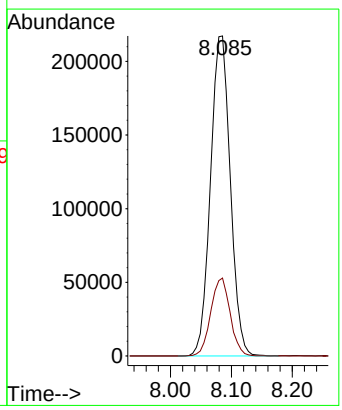


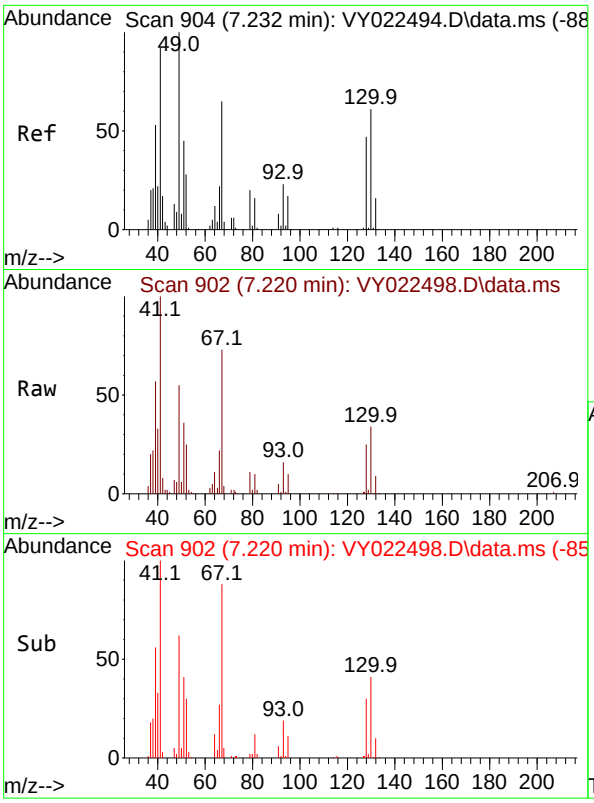


#40
Benzene
Concen: 47.020 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 78 Resp: 491078

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.3	28.9



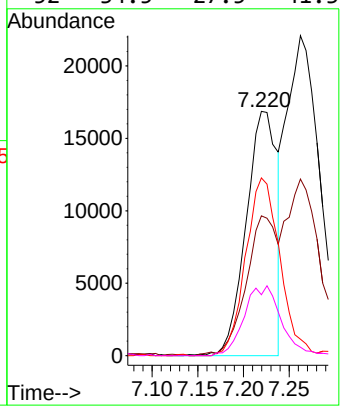


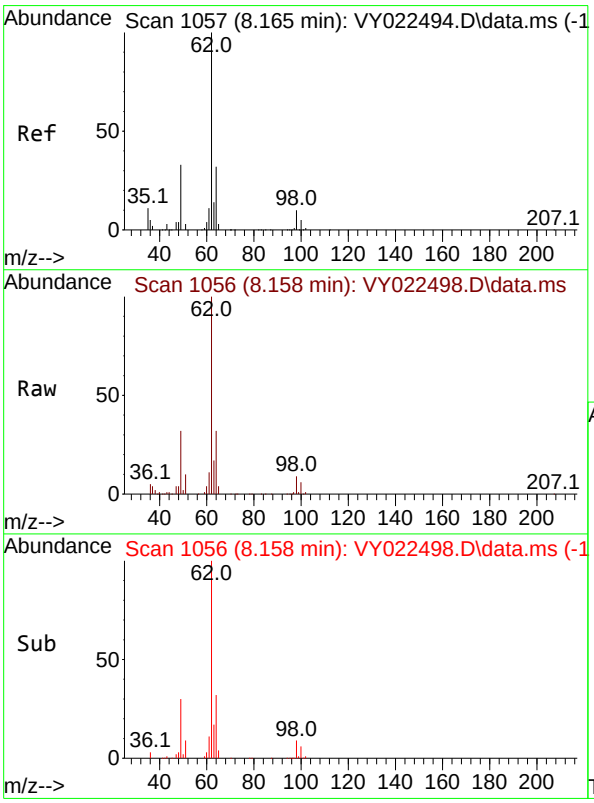
#41
Methacrylonitrile
Concen: 43.134 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 41 Resp: 39730

Ion	Ratio	Lower	Upper
41	100		
39	57.3	46.6	69.8
67	80.2	63.3	94.9
52	34.5	27.5	41.3

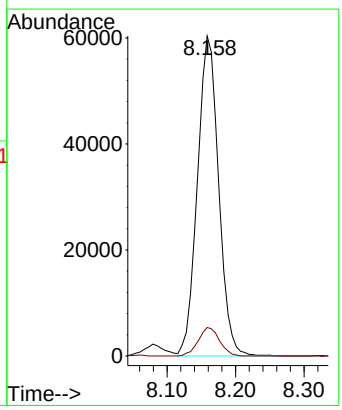


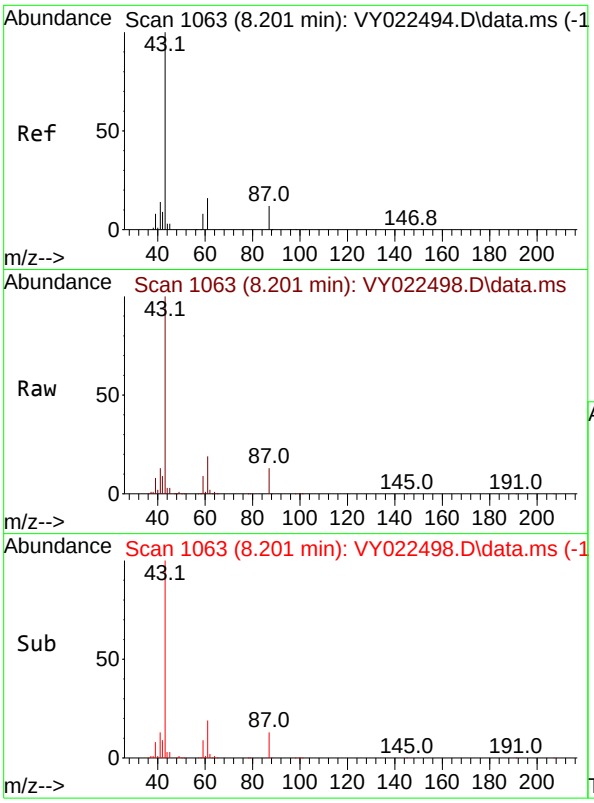


#42
1,2-Dichloroethane
Concen: 45.644 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 62 Resp: 130161

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	19.2



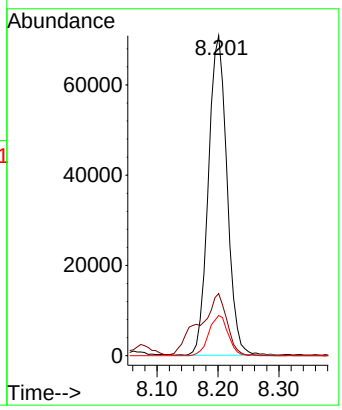


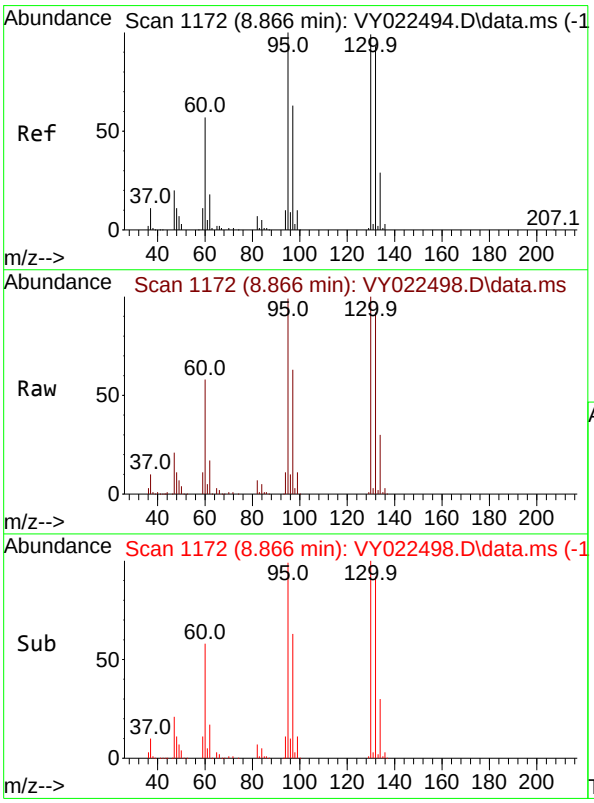
#43
Isopropyl Acetate
Concen: 44.122 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 43 Resp: 150263

Ion	Ratio	Lower	Upper
43	100		
61	28.6	15.6	23.4#
87	13.0	10.2	15.4

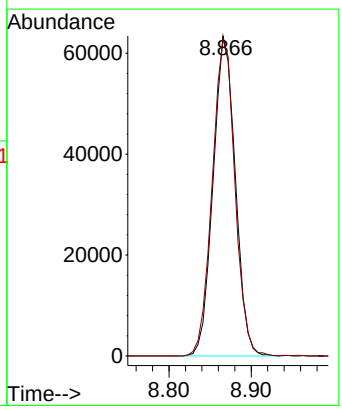


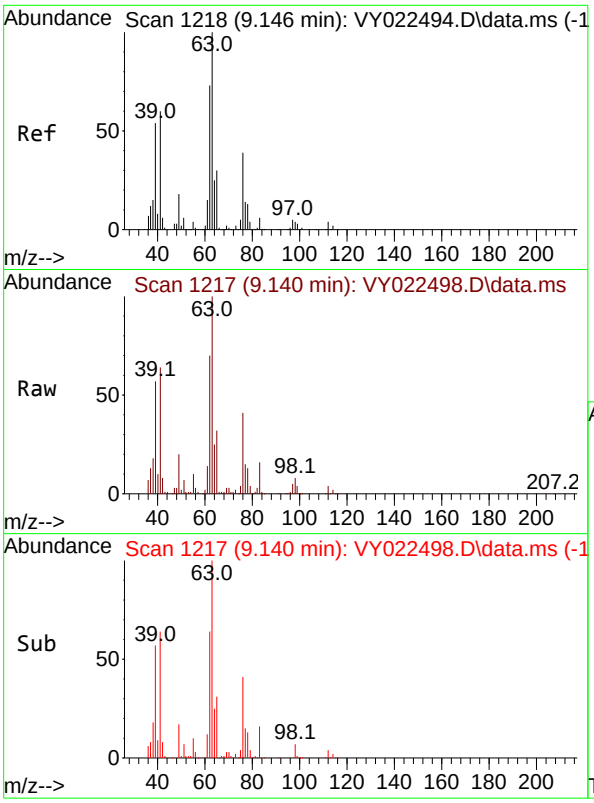


#44
Trichloroethene
Concen: 46.609 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:130 Resp: 118971

Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	203.0



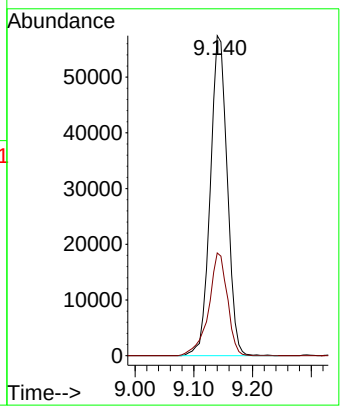


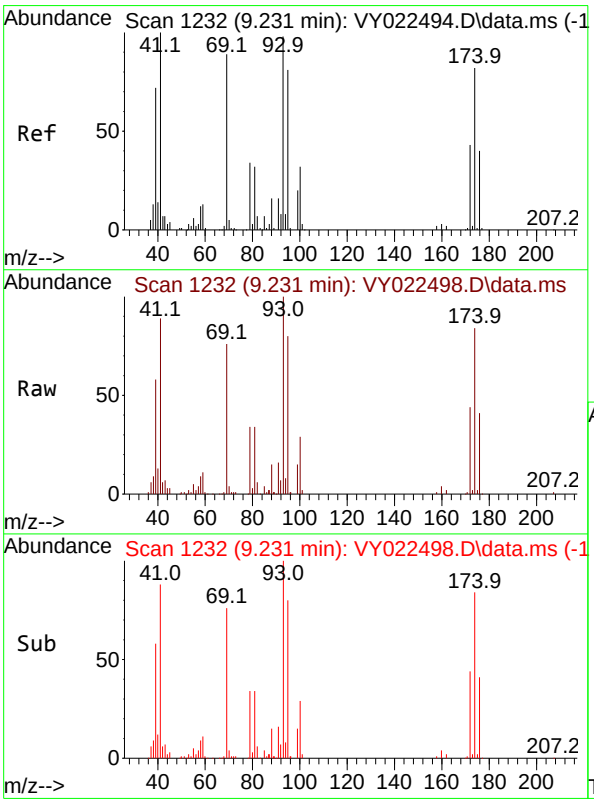
#45
1,2-Dichloropropane
Concen: 46.587 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 63 Resp: 114988

Ion	Ratio	Lower	Upper
63	100		
65	32.1	24.0	36.0

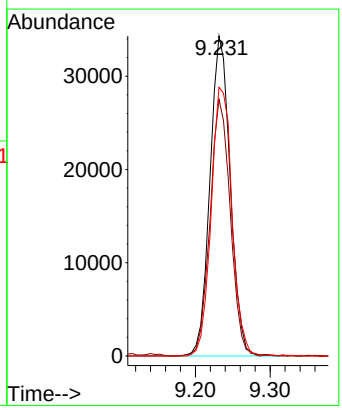


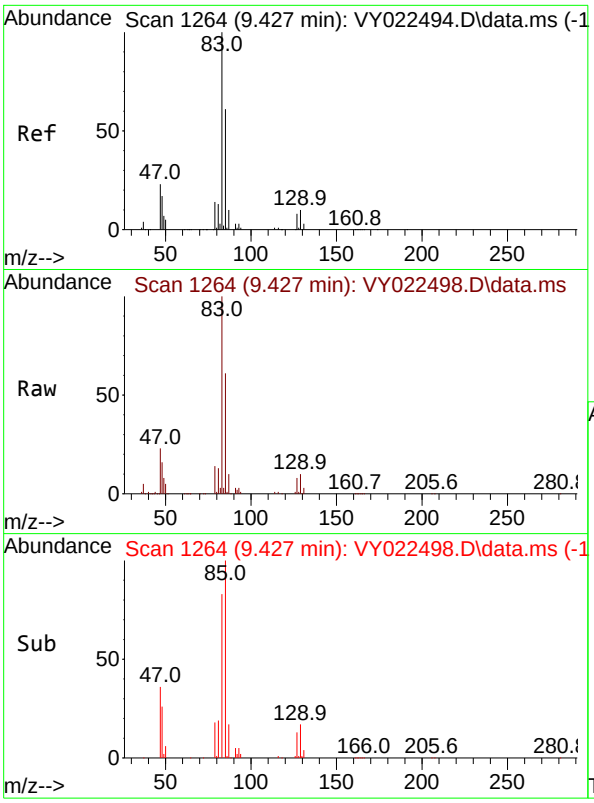


#46
Dibromomethane
Concen: 46.430 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 93 Resp: 64473

Ion	Ratio	Lower	Upper
93	100		
95	80.2	65.6	98.4
174	86.4	70.4	105.6



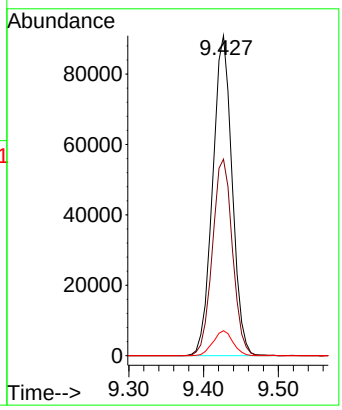


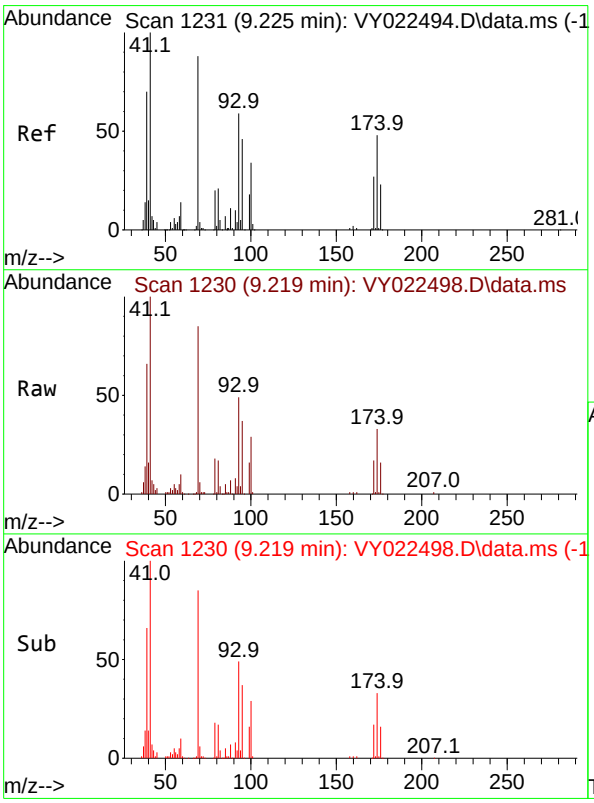
#47
Bromodichloromethane
Concen: 46.825 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 83 Resp: 164872

Ion	Ratio	Lower	Upper
83	100		
85	61.4	49.1	73.7
127	7.8	6.2	9.4

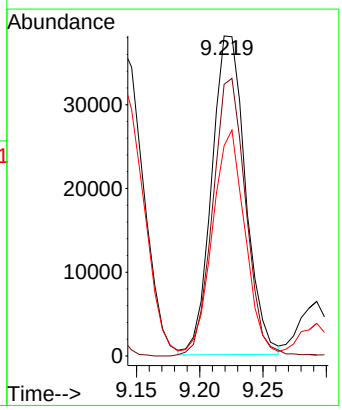


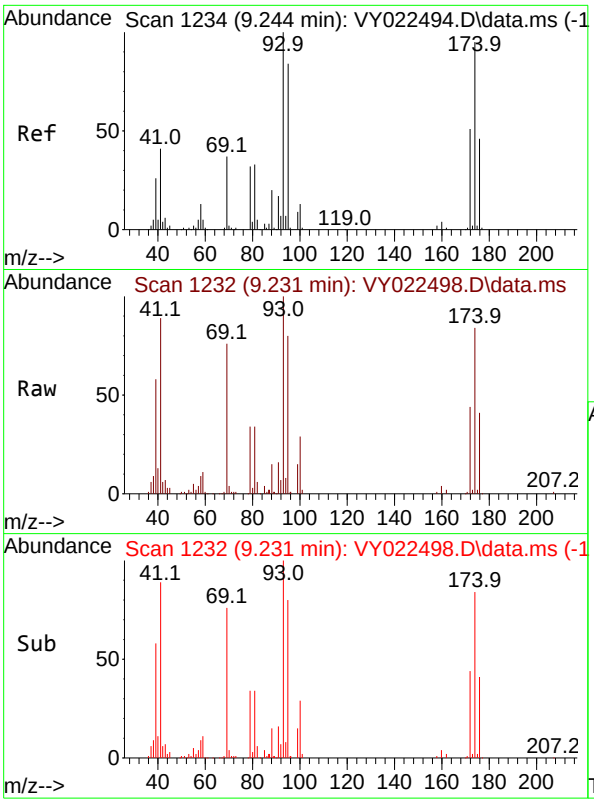


#48
Methyl methacrylate
Concen: 44.198 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 41 Resp: 70644

Ion	Ratio	Lower	Upper
41	100		
69	85.1	67.8	101.8
39	65.9	55.0	82.4



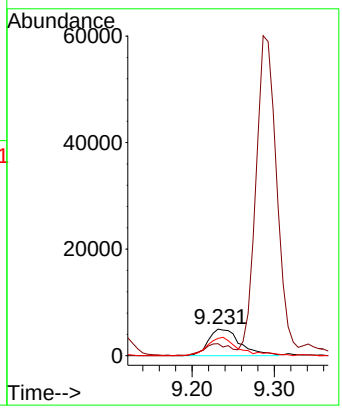


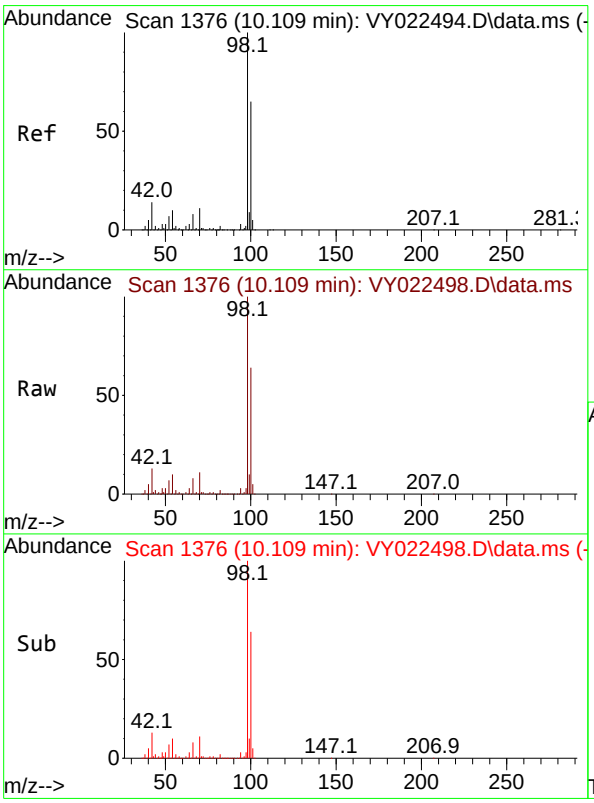
#49
1,4-Dioxane
Concen: 816.553 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 88 Resp: 13433

Ion	Ratio	Lower	Upper
88	100		
43	39.1	25.4	38.2#
58	67.7	54.9	82.3

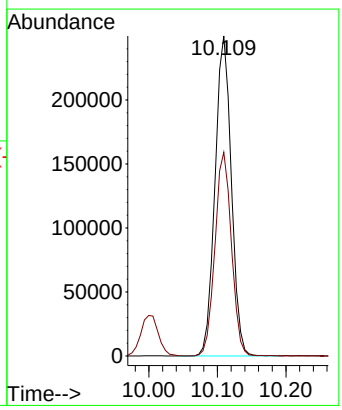


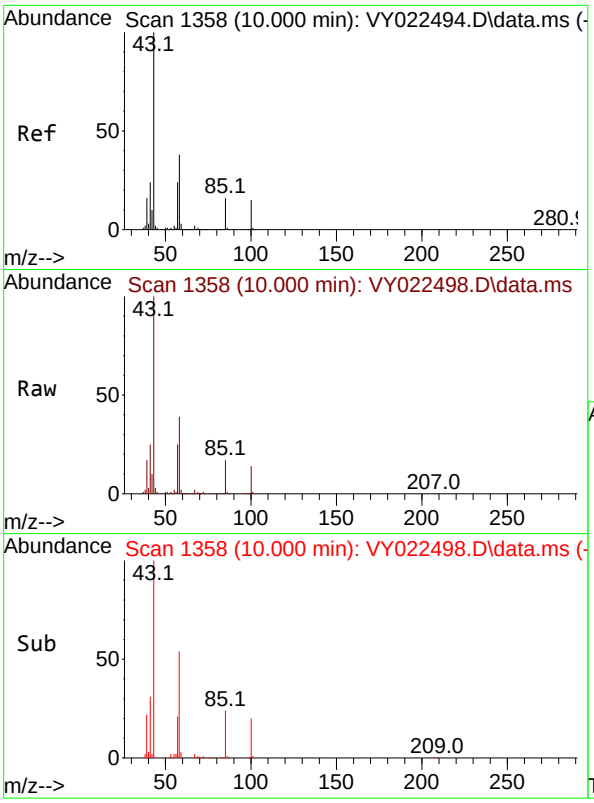


#50
Toluene-d8
Concen: 46.760 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 98 Resp: 411640

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.0



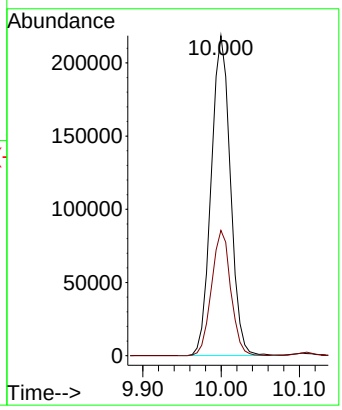


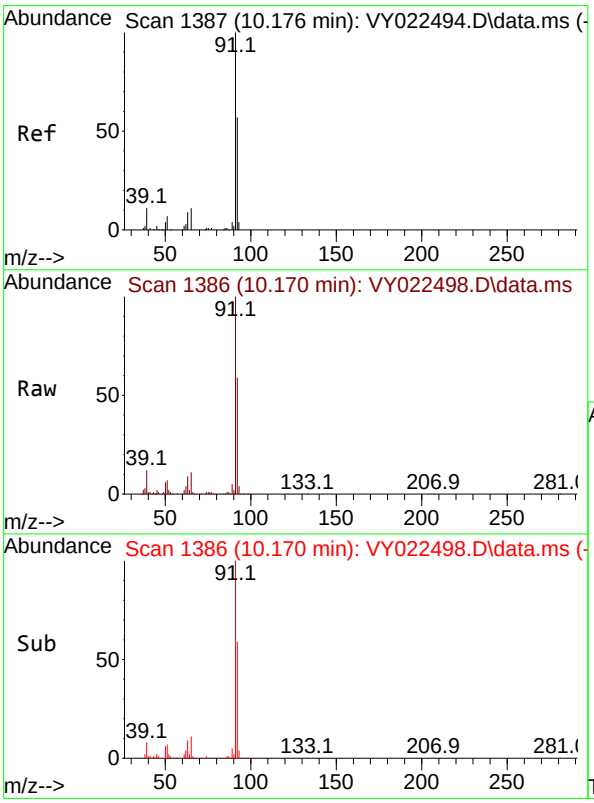
#51
4-Methyl-2-Pentanone
Concen: 219.250 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 43 Resp: 372276

Ion	Ratio	Lower	Upper
43	100		
58	39.2	30.4	45.6

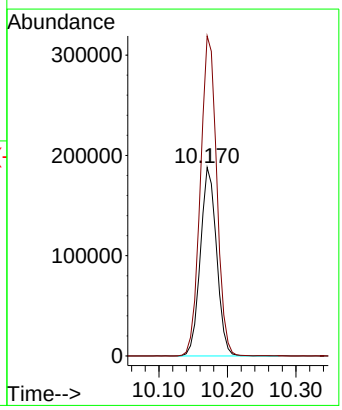


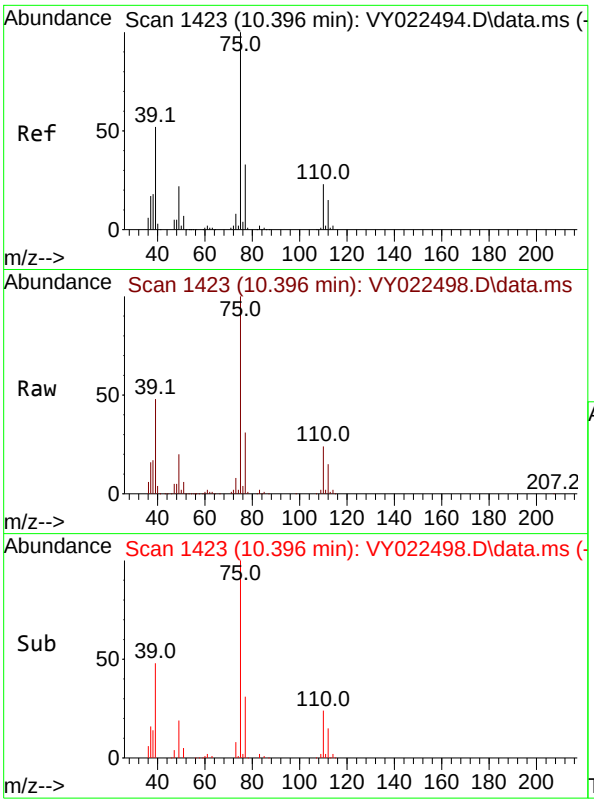


#52
Toluene
Concen: 47.137 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 92 Resp: 309375

Ion	Ratio	Lower	Upper
92	100		
91	171.7	139.0	208.4



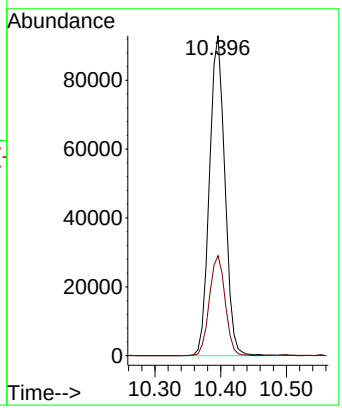


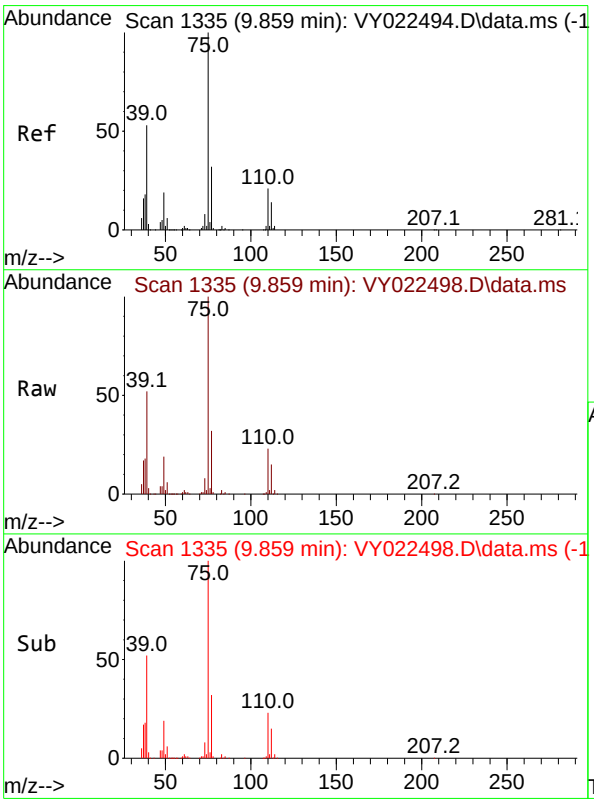
#53
t-1,3-Dichloropropene
Concen: 46.094 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 75 Resp: 152066

Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.5	39.7

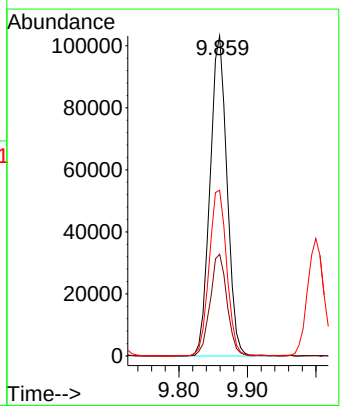


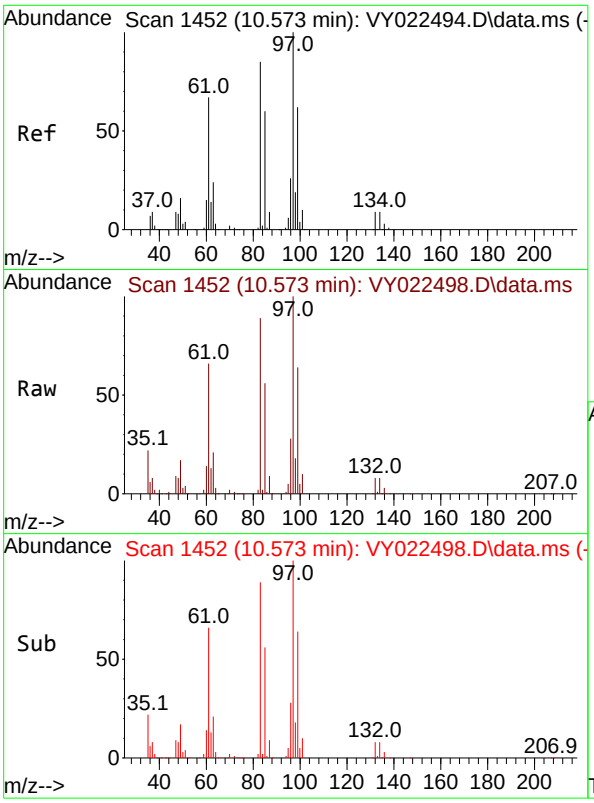


#54
cis-1,3-Dichloropropene
Concen: 46.206 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 75 Resp: 177445

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.3	37.9
39	51.6	42.7	64.1



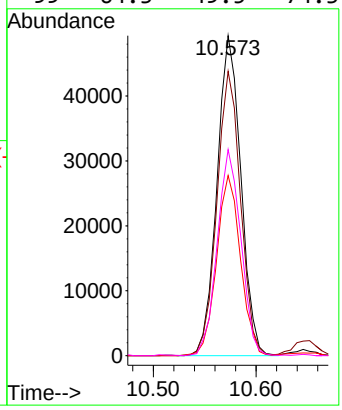


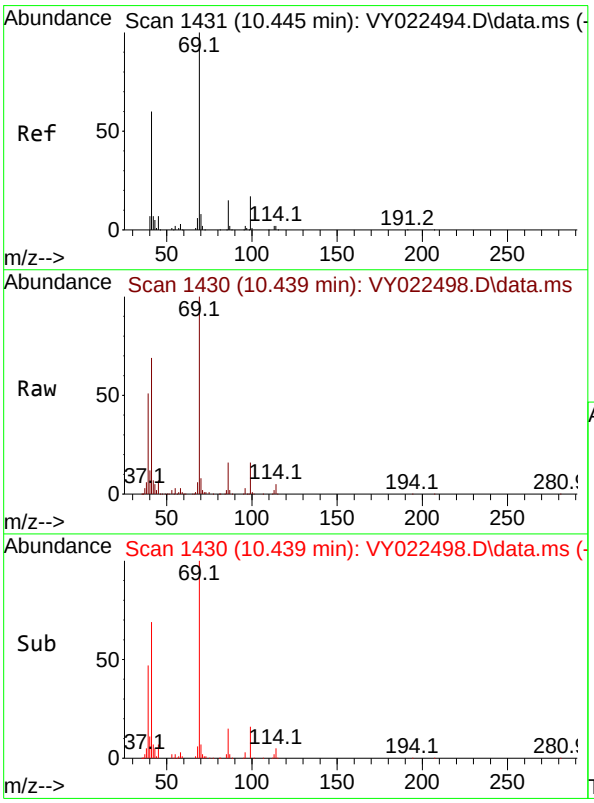
#55
1,1,2-Trichloroethane
Concen: 44.953 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 97 Resp: 79596

Ion	Ratio	Lower	Upper
97	100		
83	88.8	68.1	102.1
85	56.3	48.2	72.2
99	64.3	49.5	74.3

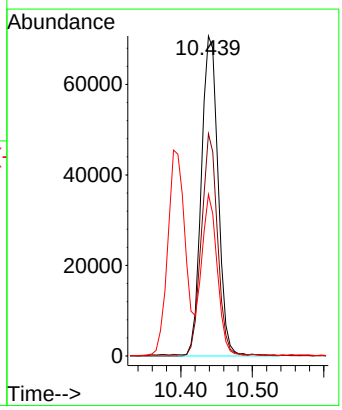


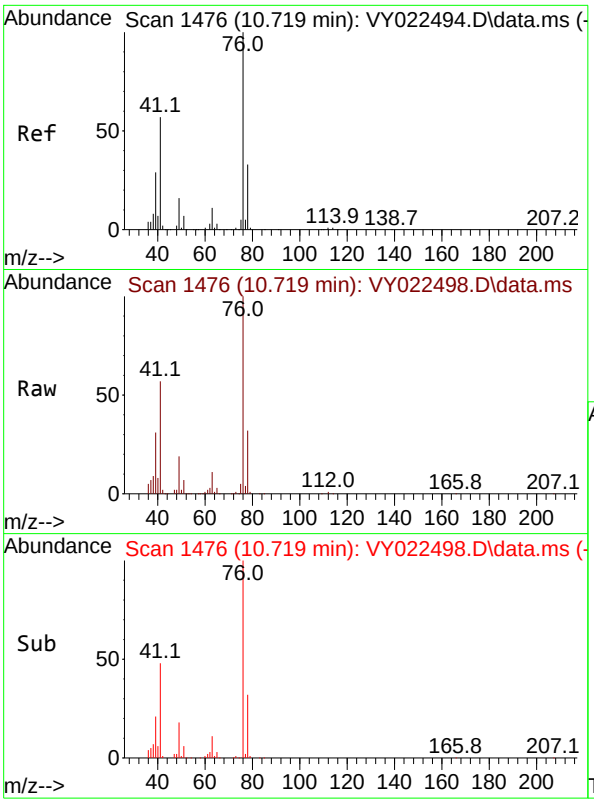


#56
Ethyl methacrylate
Concen: 45.029 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 69 Resp: 115237

Ion	Ratio	Lower	Upper
69	100		
41	65.8	52.2	78.2
39	45.6	36.7	55.1



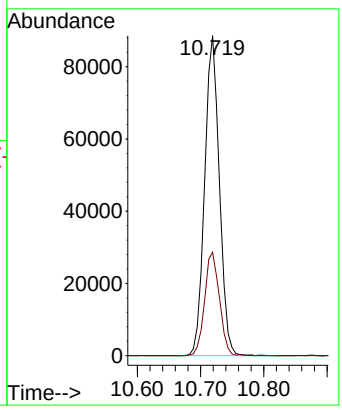


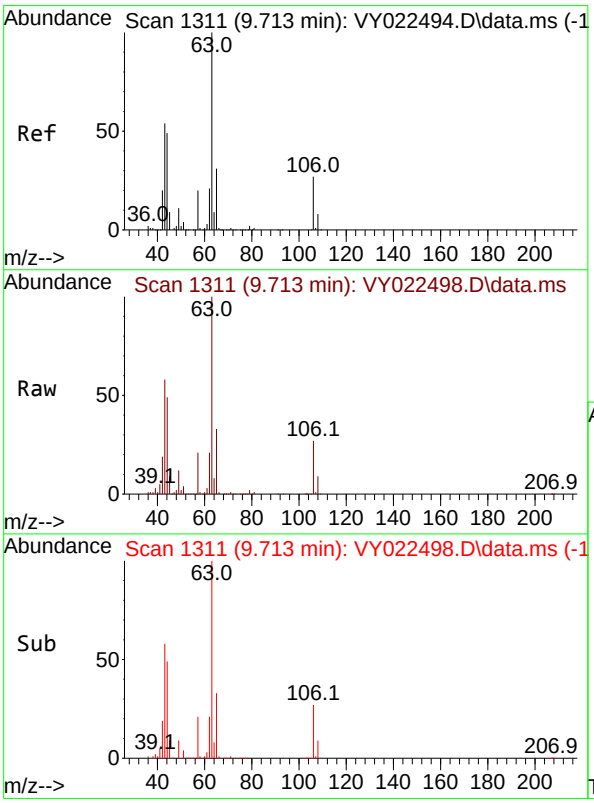
#57
1,3-Dichloropropane
Concen: 45.696 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 76 Resp: 143407

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8

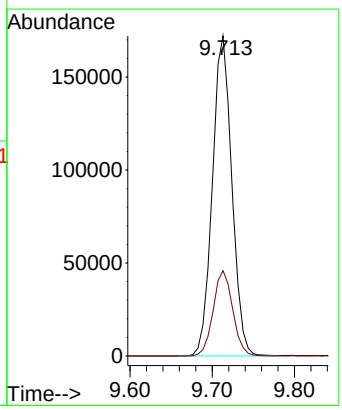


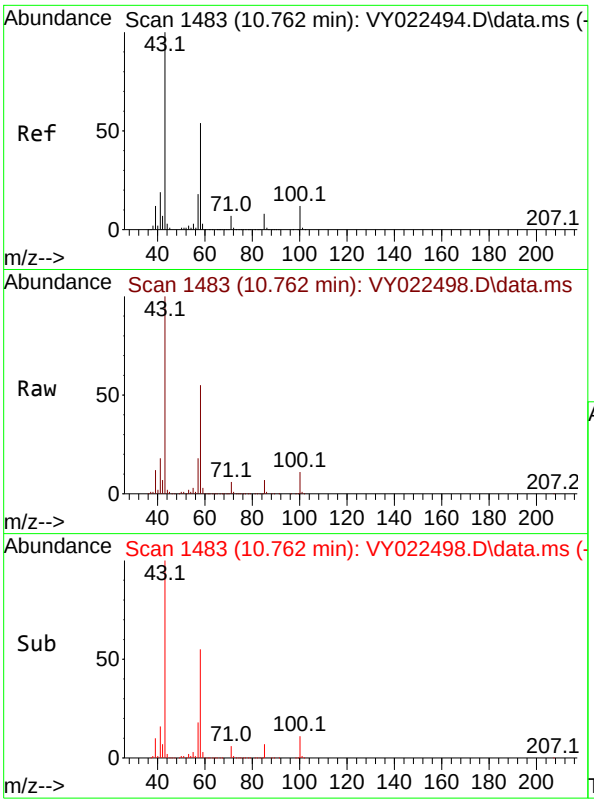


#58
2-Chloroethyl Vinyl ether
Concen: 243.746 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 63 Resp: 283213

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.6	32.4



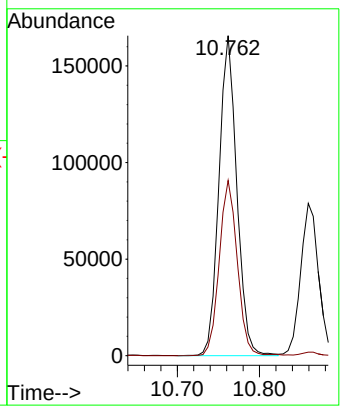


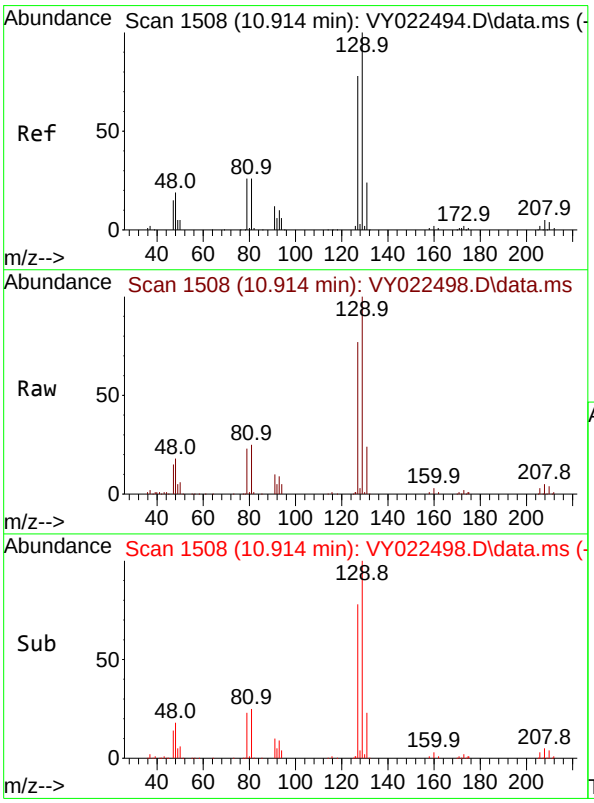
#59
2-Hexanone
Concen: 220.088 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 43 Resp: 249926

Ion	Ratio	Lower	Upper
43	100		
58	55.5	27.3	81.8

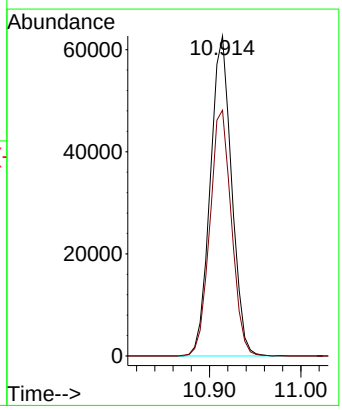


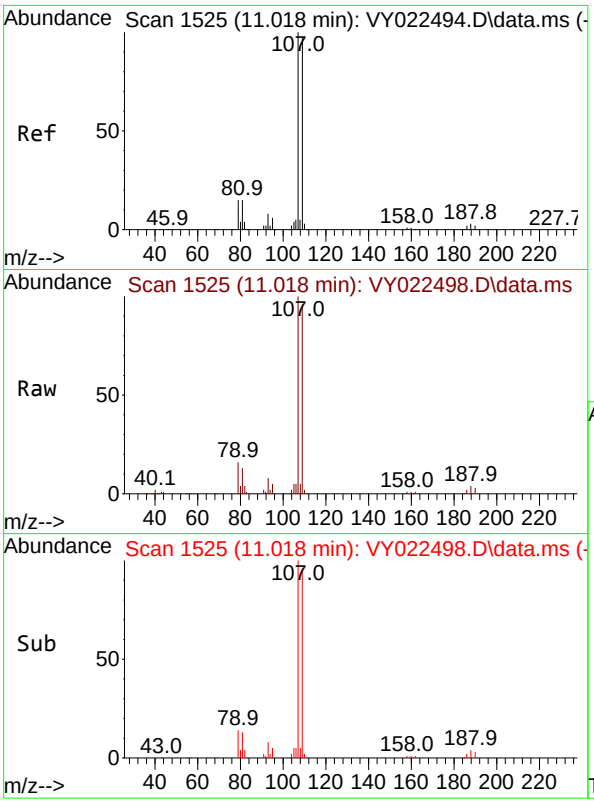


#60
Dibromochloromethane
Concen: 45.114 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:129 Resp: 101515

Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.1	117.2



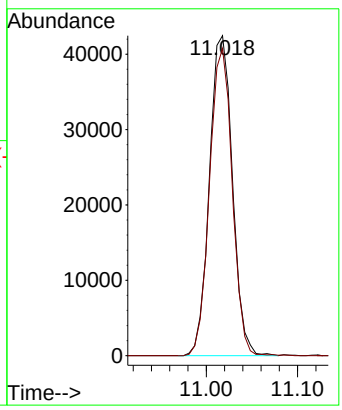


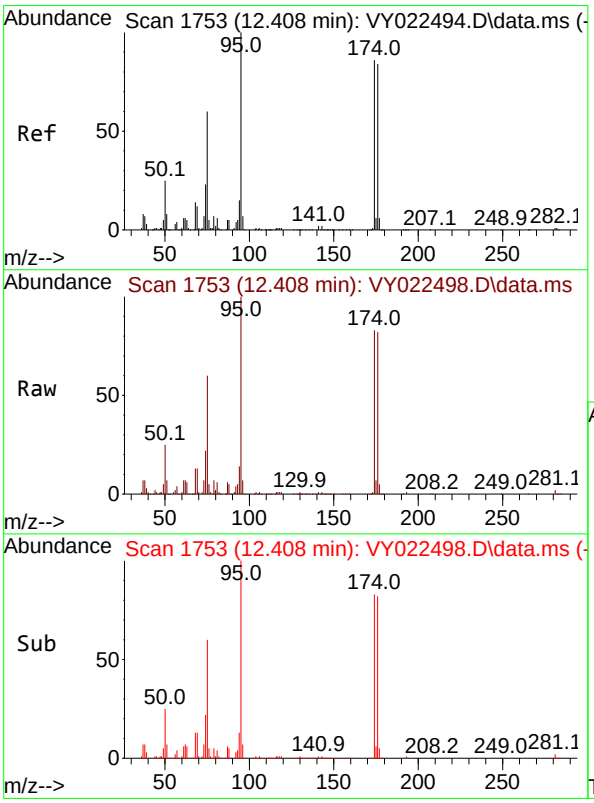
#61
1,2-Dibromoethane
Concen: 45.960 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:107 Resp: 74173

Ion	Ratio	Lower	Upper
107	100		
109	94.5	77.7	116.5

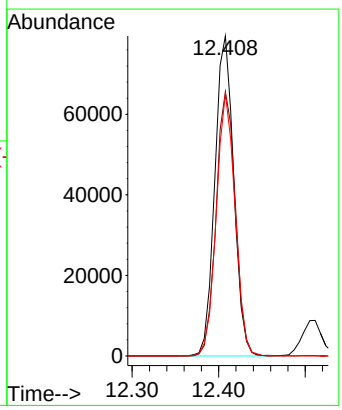


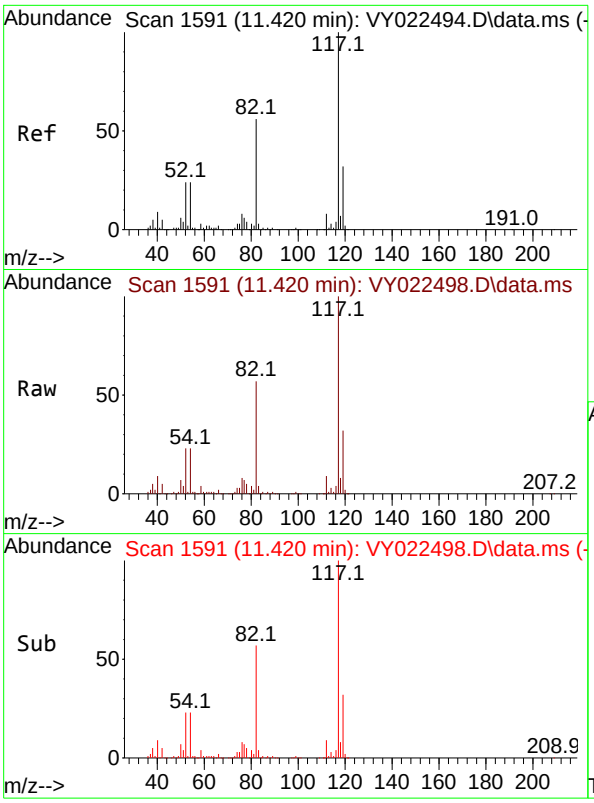


#62
4-Bromofluorobenzene
Concen: 45.847 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 95 Resp: 120253

Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	170.0
176	81.5	0.0	166.2



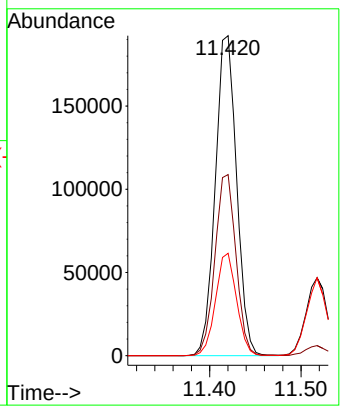


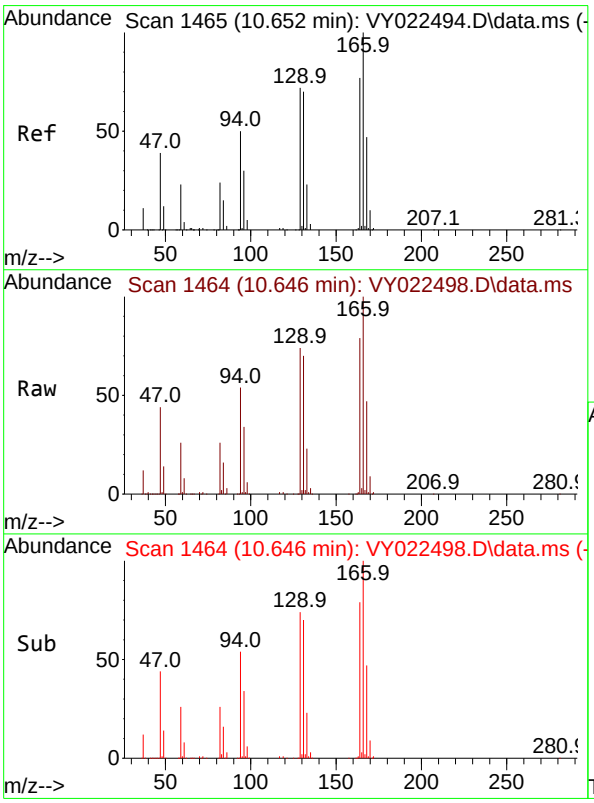
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:117 Resp: 312263

Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.6	66.8
119	32.0	25.4	38.0

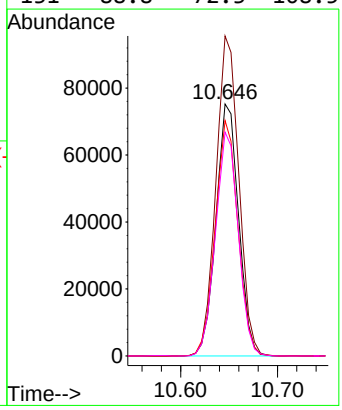


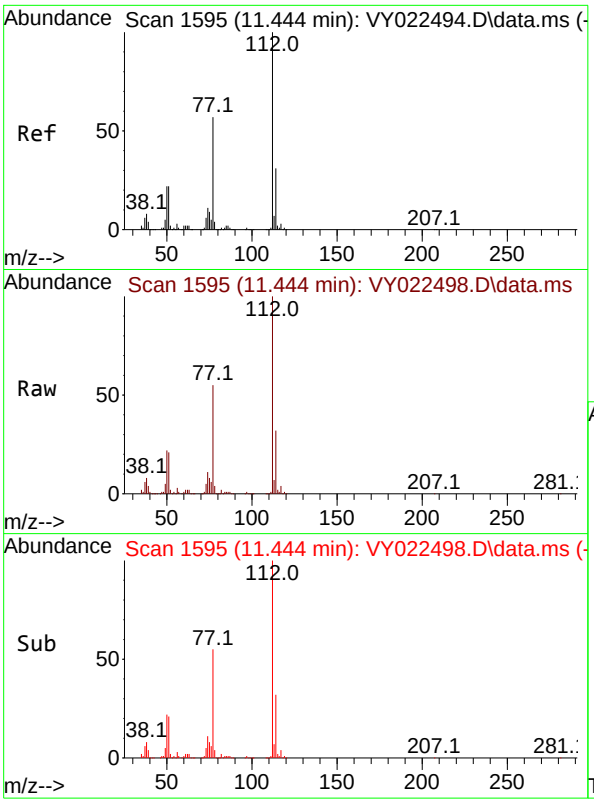


#64
Tetrachloroethene
Concen: 45.398 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:164 Resp: 121944

Ion	Ratio	Lower	Upper
164	100		
166	127.0	104.0	156.0
129	93.4	74.5	111.7
131	88.8	72.3	108.5



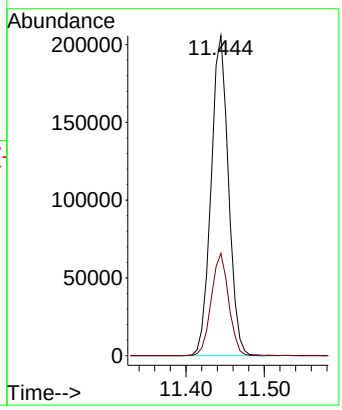


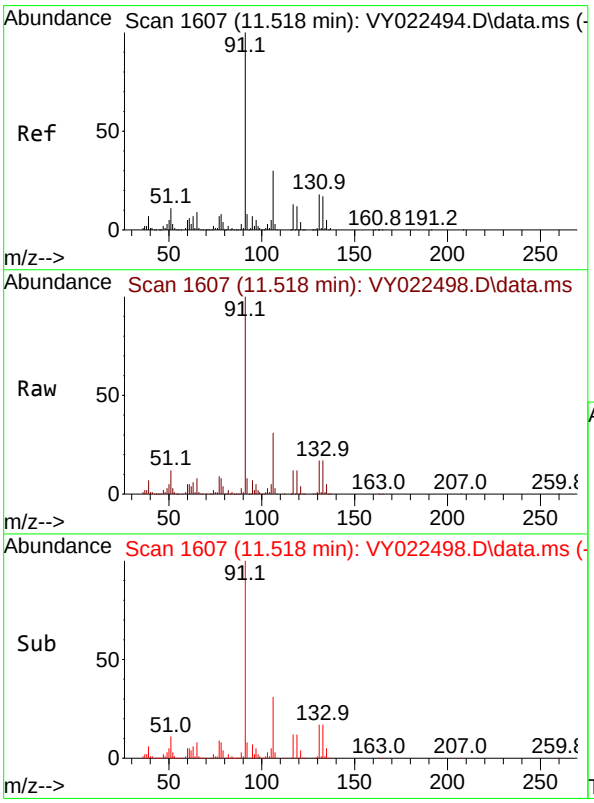
#65
Chlorobenzene
Concen: 45.953 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:112 Resp: 317533

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.0	37.6

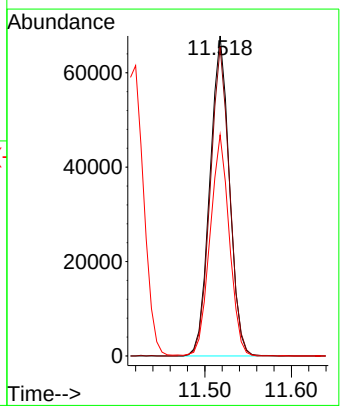


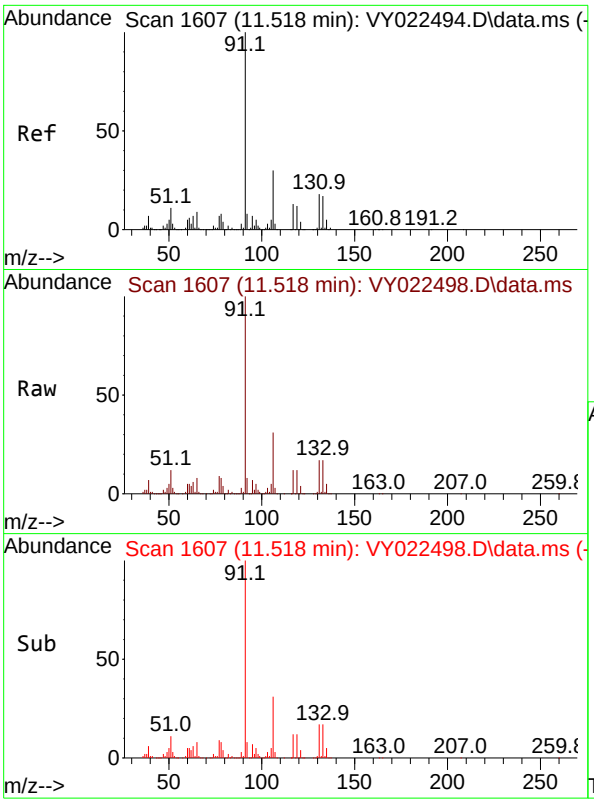


#66
1,1,1,2-Tetrachloroethane
Concen: 45.464 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:131 Resp: 105830

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.3	141.8
119	68.3	33.1	99.3



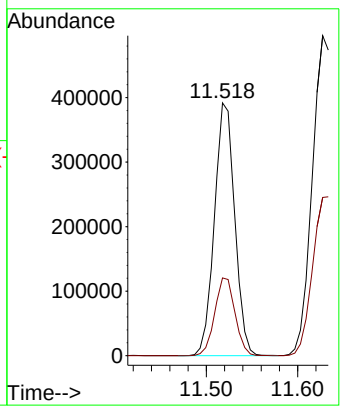


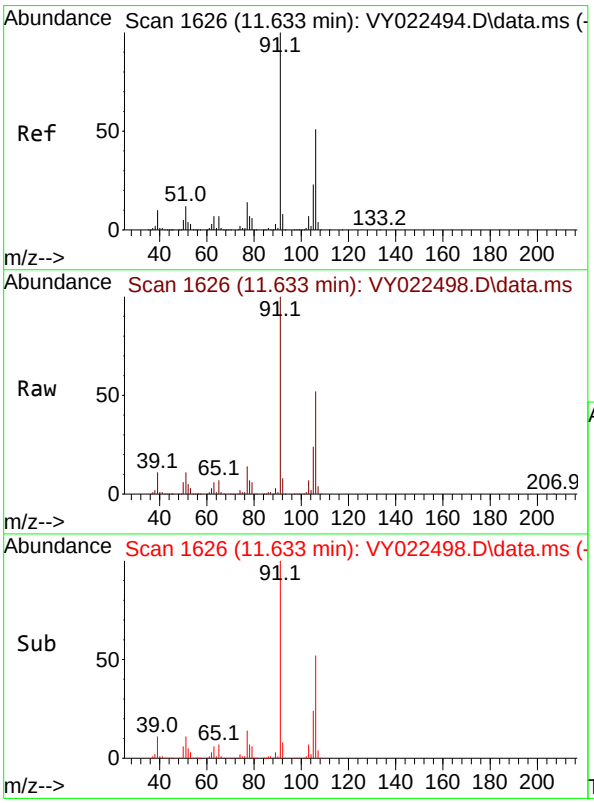
#67
Ethyl Benzene
Concen: 47.248 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 91 Resp: 605560

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.2	36.4

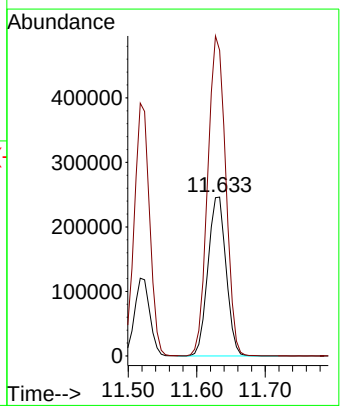


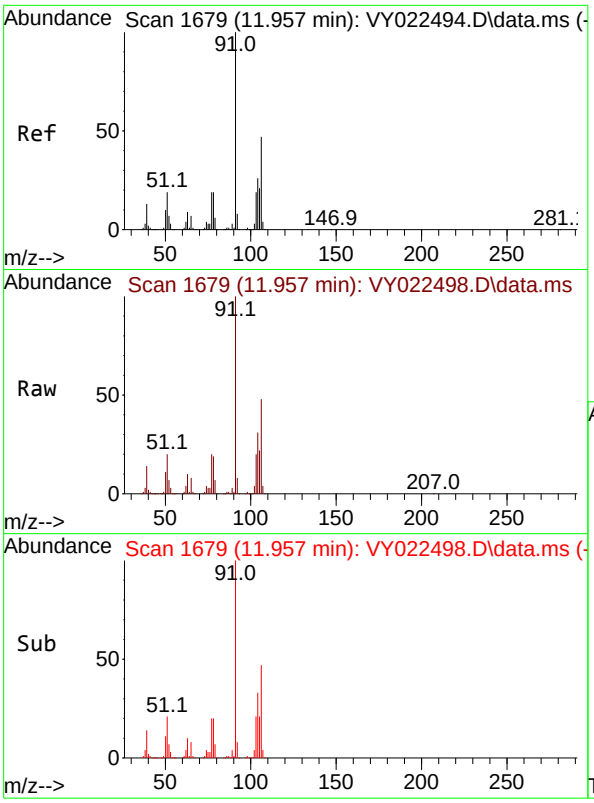


#68
m/p-Xylenes
Concen: 93.473 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:106 Resp: 454148

Ion	Ratio	Lower	Upper
106	100		
91	199.5	159.4	239.0



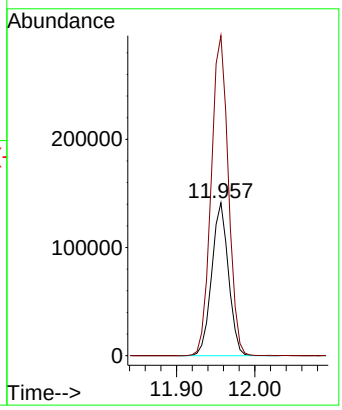


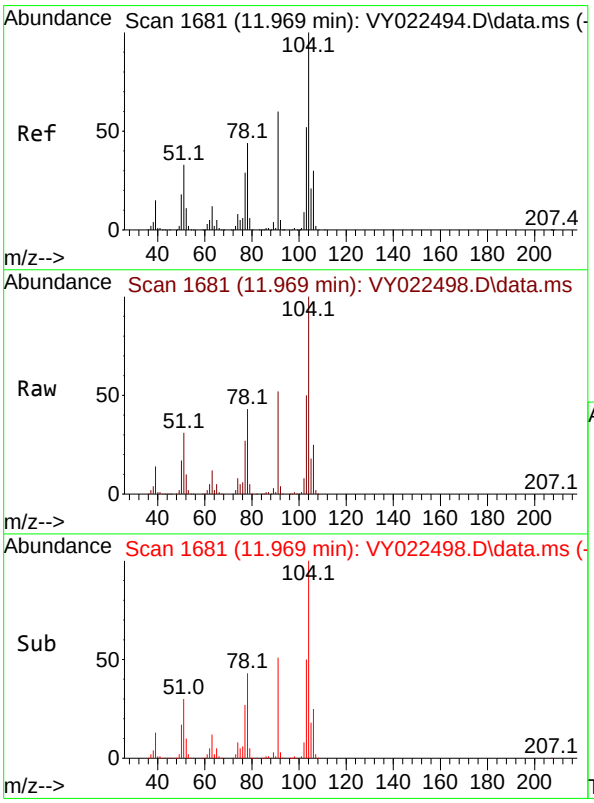
#69
o-Xylene
Concen: 45.959 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:106 Resp: 209354

Ion	Ratio	Lower	Upper
106	100		
91	214.9	105.8	317.3

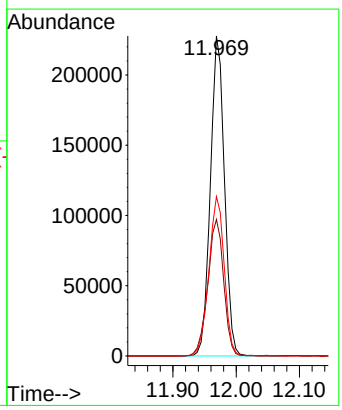


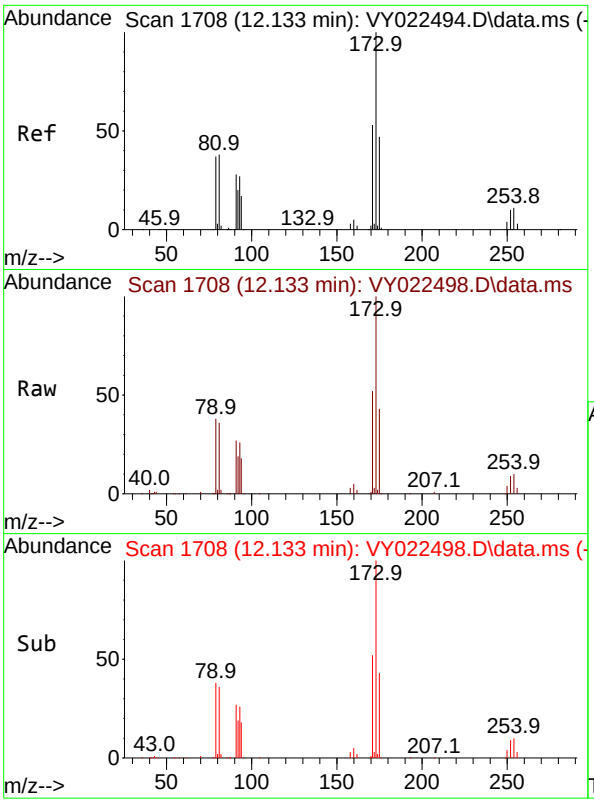


#70
Styrene
Concen: 46.815 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:104 Resp: 352505

Ion	Ratio	Lower	Upper
104	100		
78	48.0	39.5	59.3
103	54.4	44.1	66.1



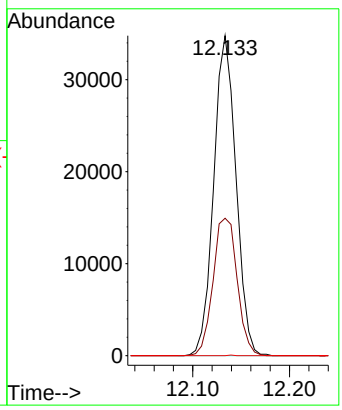


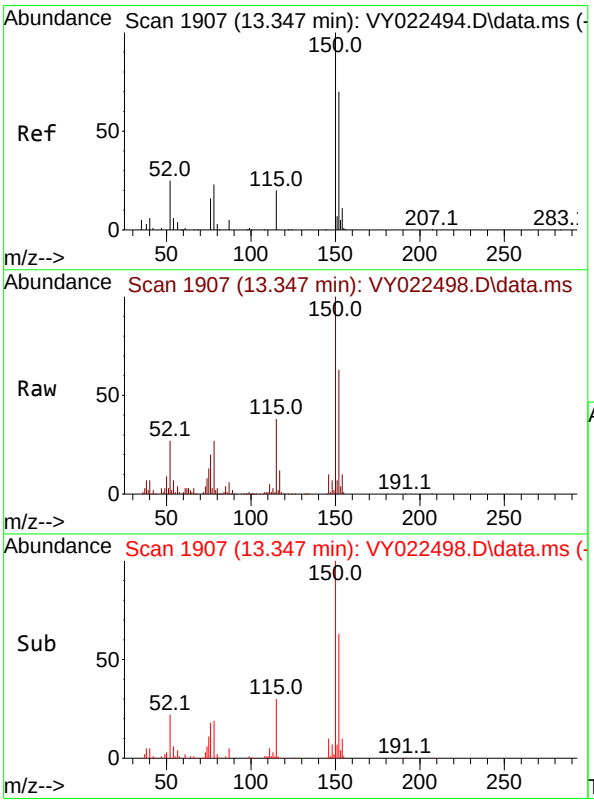
#71
Bromoform
Concen: 44.852 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:173 Resp: 55559

Ion	Ratio	Lower	Upper
173	100		
175	46.5	23.8	71.5
254	0.0	0.0	0.0#

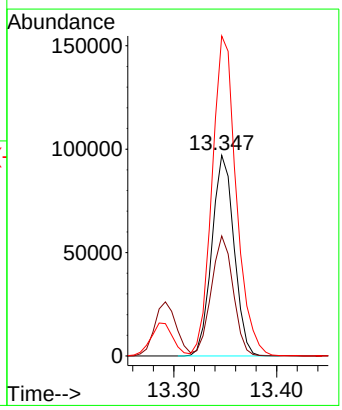


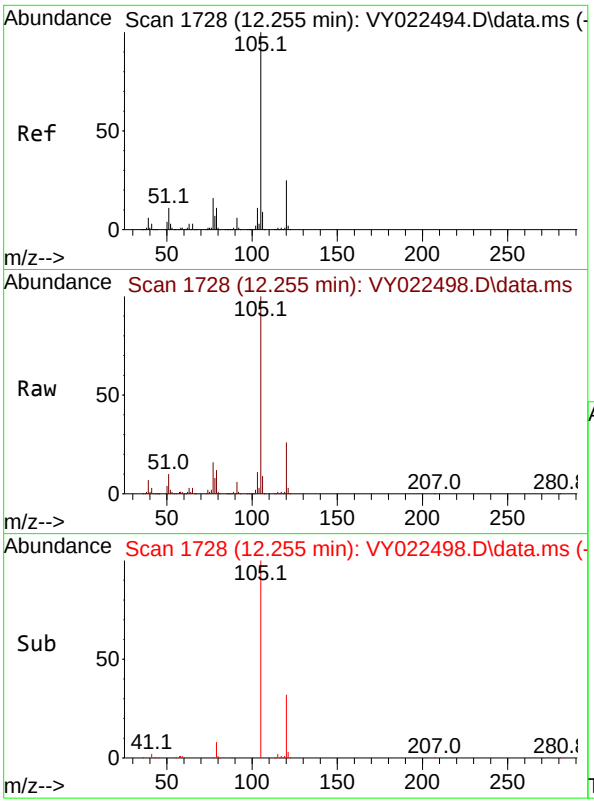


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:152 Resp: 145254

Ion	Ratio	Lower	Upper
152	100		
115	59.1	28.9	86.7
150	174.0	0.0	349.6



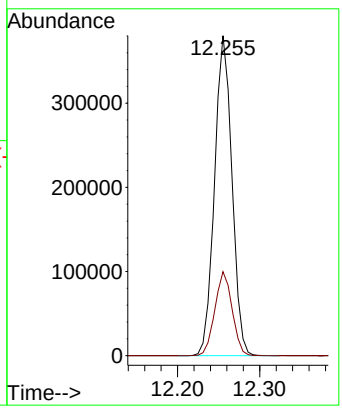


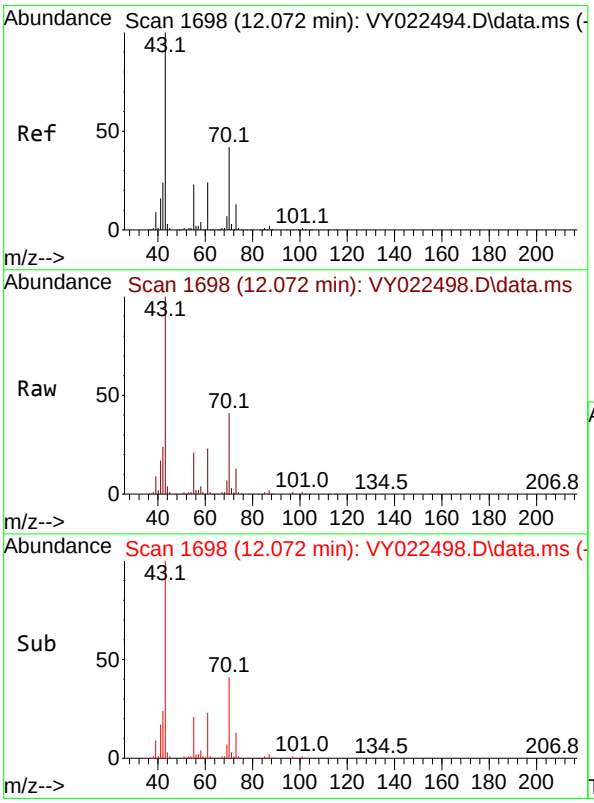
#73
Isopropylbenzene
Concen: 46.933 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:105 Resp: 559690

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.0	38.9

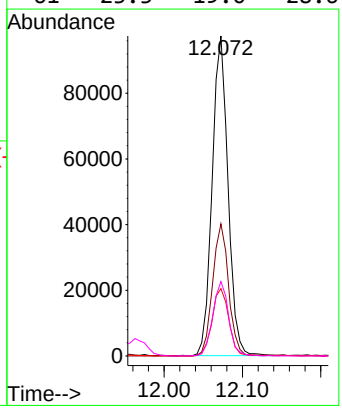


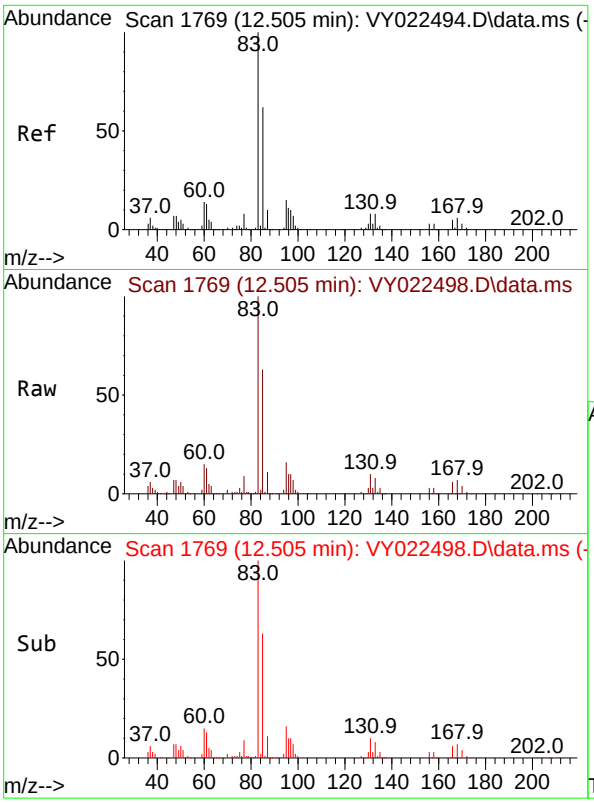


#74
N-amyl acetate
Concen: 45.502 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 43 Resp: 136915

Ion	Ratio	Lower	Upper
43	100		
70	41.8	34.2	51.2
55	22.1	18.2	27.4
61	23.3	19.0	28.6



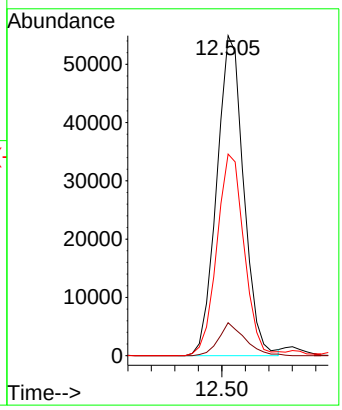


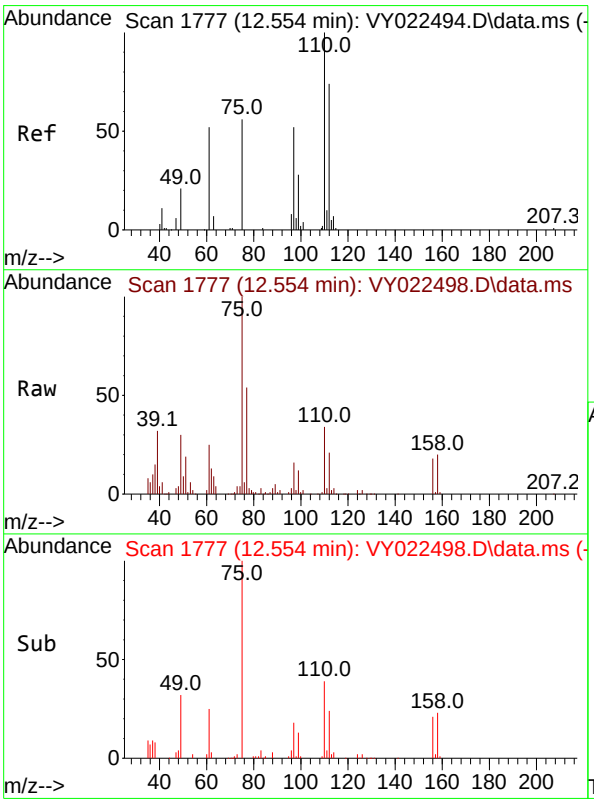
#75
1,1,2,2-Tetrachloroethane
Concen: 44.656 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 83 Resp: 87402

Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	64.1	32.6	97.8

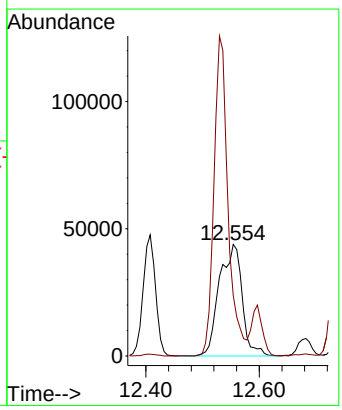


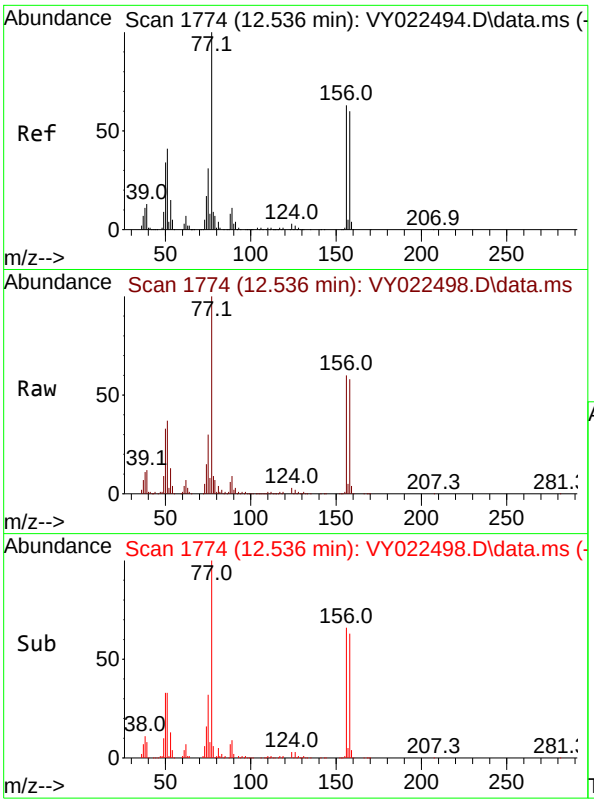


#76
1,2,3-Trichloropropane
Concen: 73.772 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 75 Resp: 122591

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



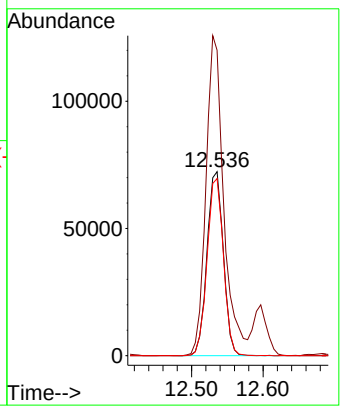


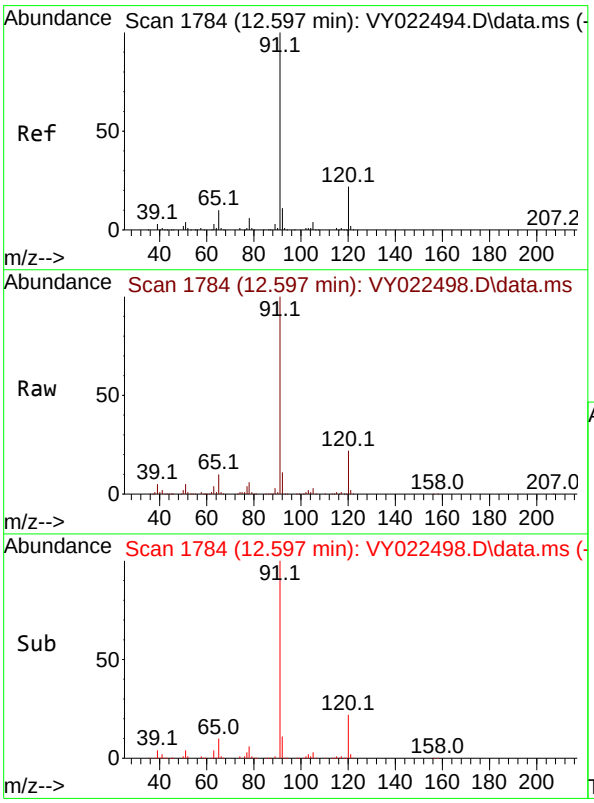
#77
Bromobenzene
Concen: 45.607 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:156 Resp: 114771

Ion	Ratio	Lower	Upper
156	100		
77	189.1	94.0	282.1
158	96.4	48.2	144.6

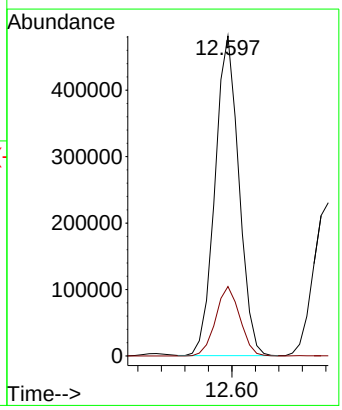


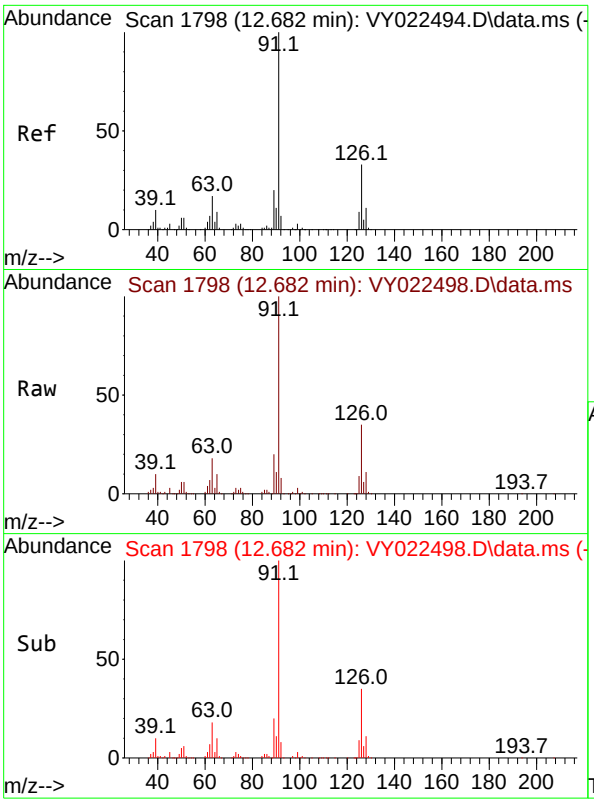


#78
n-propylbenzene
Concen: 46.696 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 91 Resp: 680155

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4



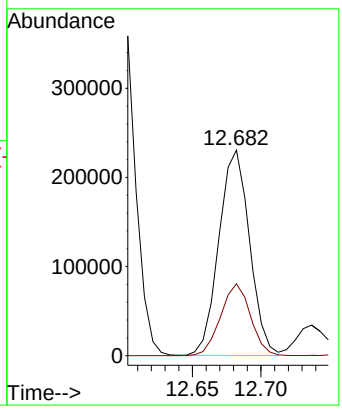


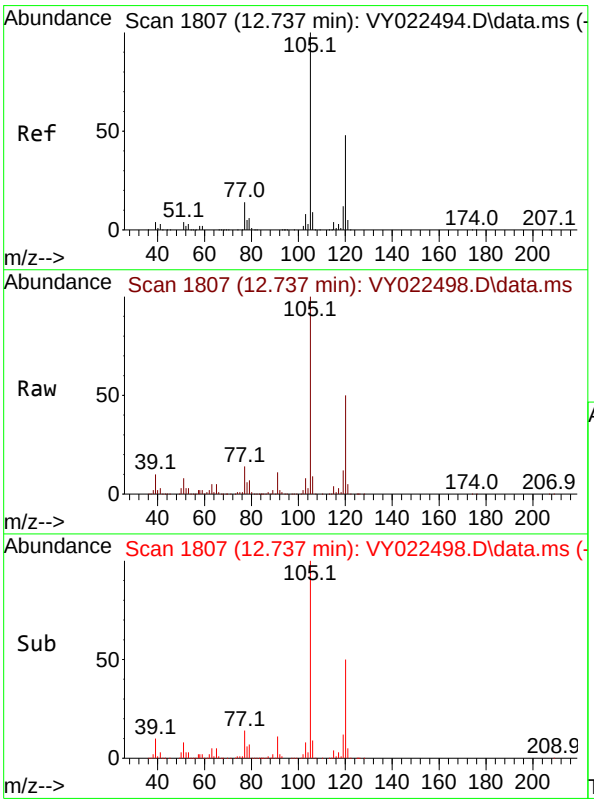
#79
2-Chlorotoluene
Concen: 46.472 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 91 Resp: 358756

Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	51.0

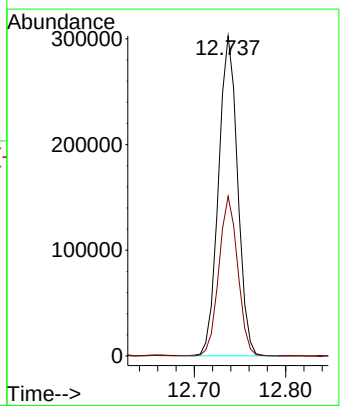


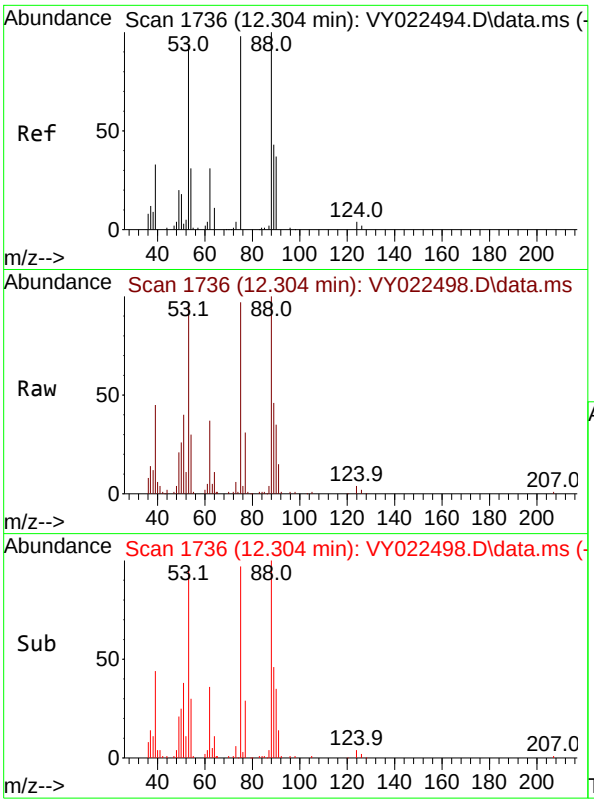


#80
1,3,5-Trimethylbenzene
Concen: 46.876 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:105 Resp: 438873

Ion	Ratio	Lower	Upper
105	100		
120	49.4	24.1	72.4



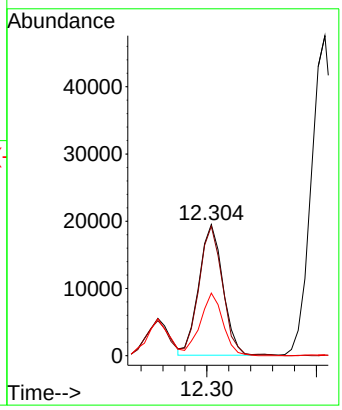


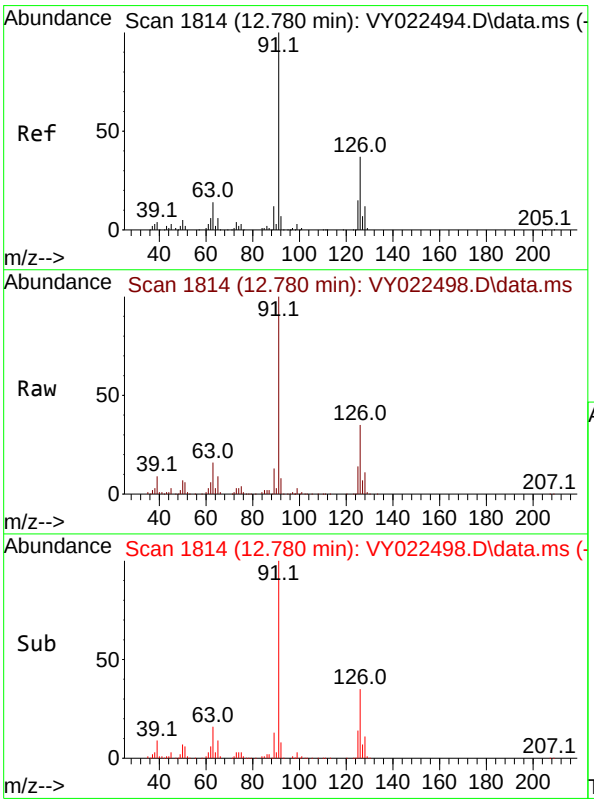
#81
trans-1,4-Dichloro-2-butene
Concen: 42.968 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 75 Resp: 29567

Ion	Ratio	Lower	Upper
75	100		
53	97.8	78.5	117.7
89	44.9	35.7	53.5

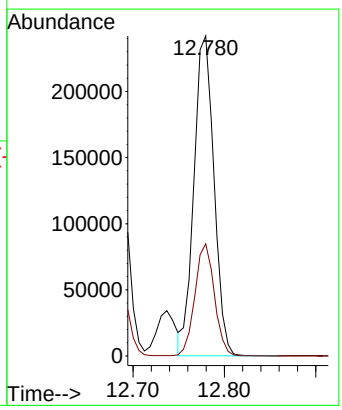


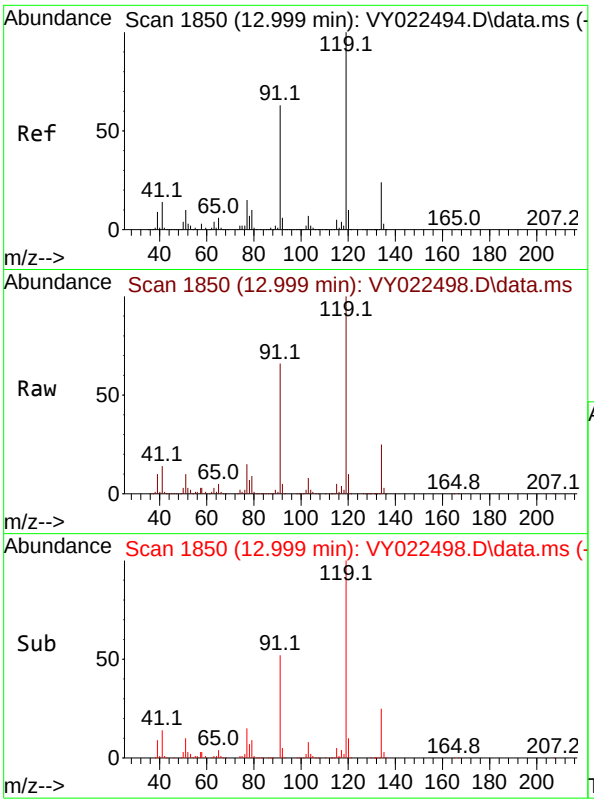


#82
4-Chlorotoluene
Concen: 46.289 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 91 Resp: 368631

Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	50.9



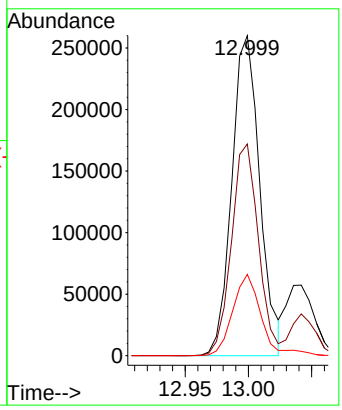


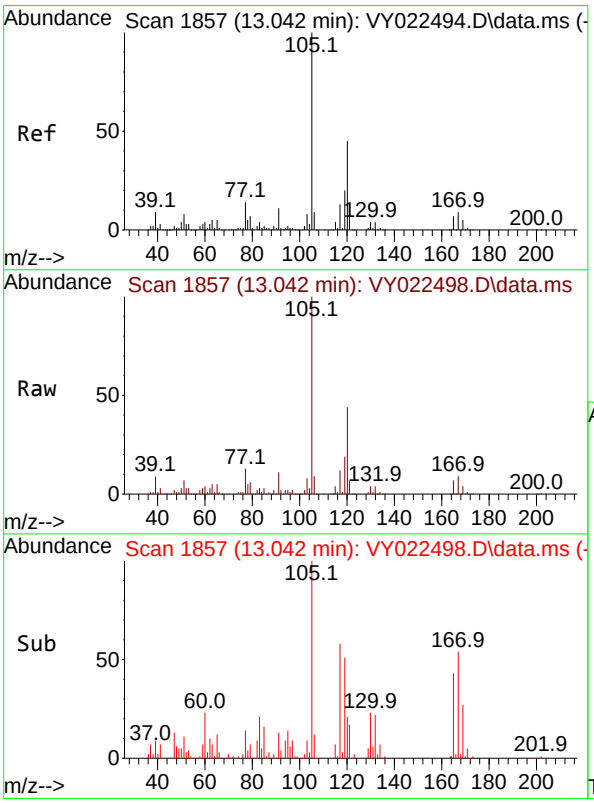
#83
tert-Butylbenzene
Concen: 47.655 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:119 Resp: 400440

Ion	Ratio	Lower	Upper
119	100		
91	63.8	32.1	96.3
134	25.9	13.0	38.9

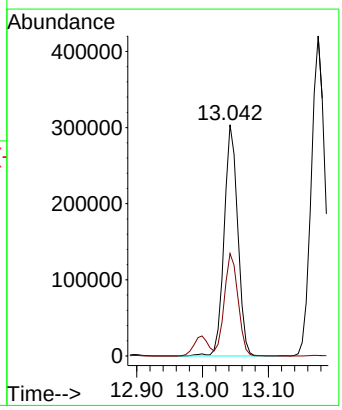


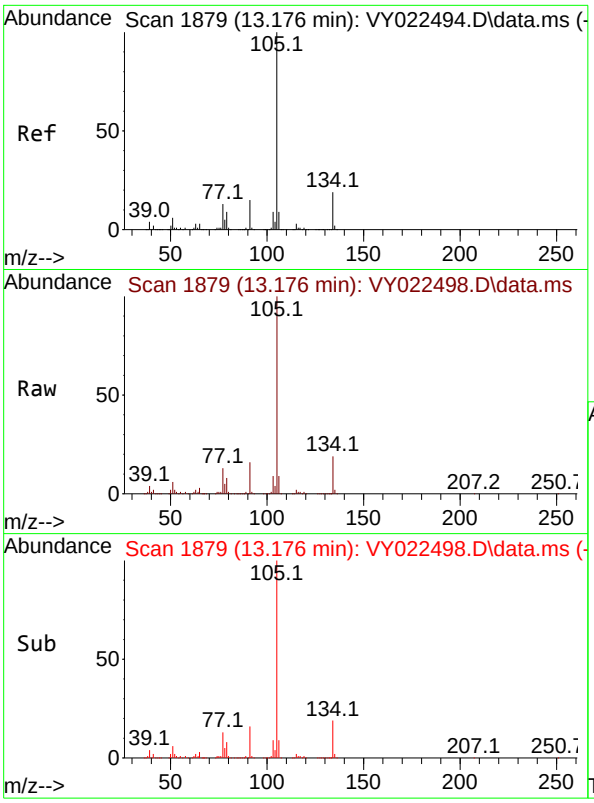


#84
1,2,4-Trimethylbenzene
Concen: 46.735 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:105 Resp: 437631

Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.7	68.1



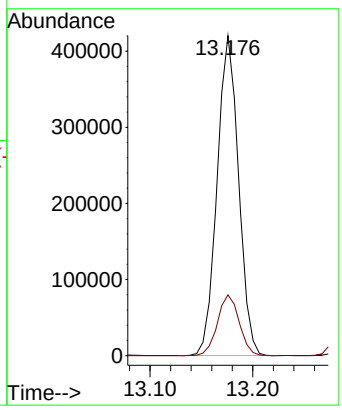


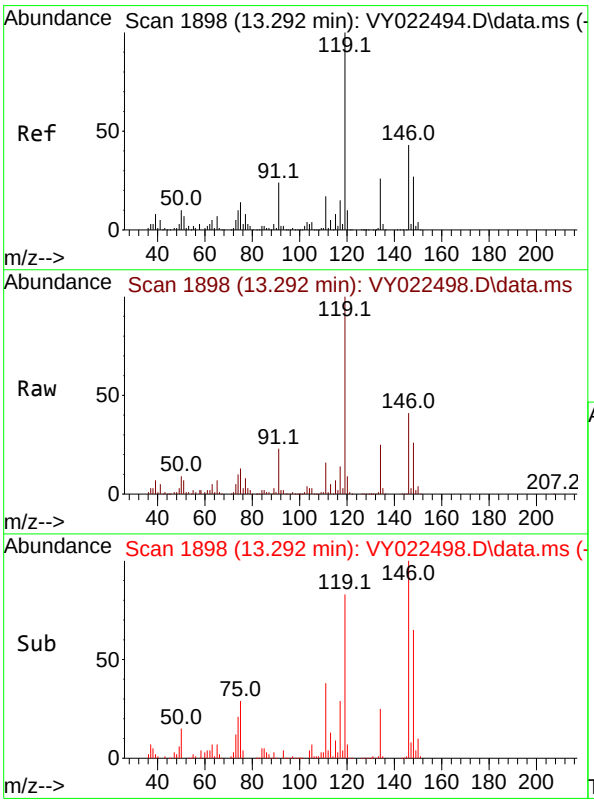
#85
sec-Butylbenzene
Concen: 47.241 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:105 Resp: 607968

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9

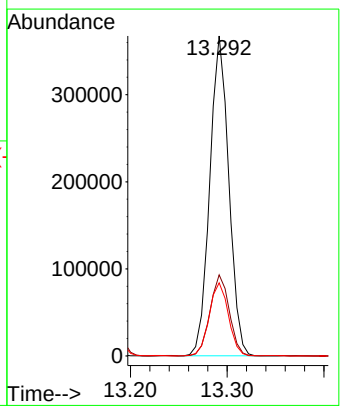


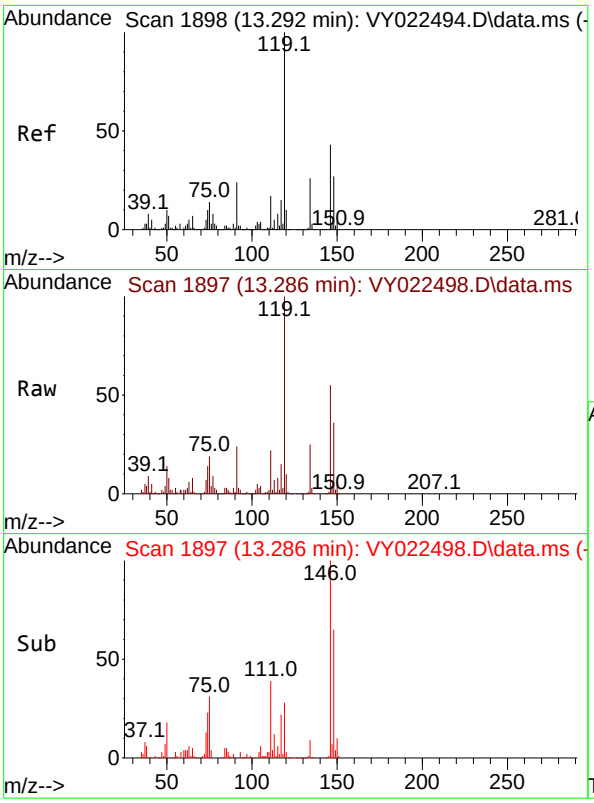


#86
p-Isopropyltoluene
Concen: 47.321 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:119 Resp: 501979

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.1	39.1
91	23.0	11.6	34.8



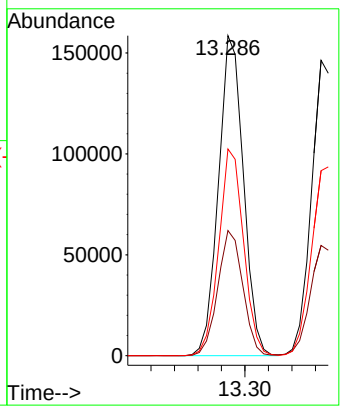


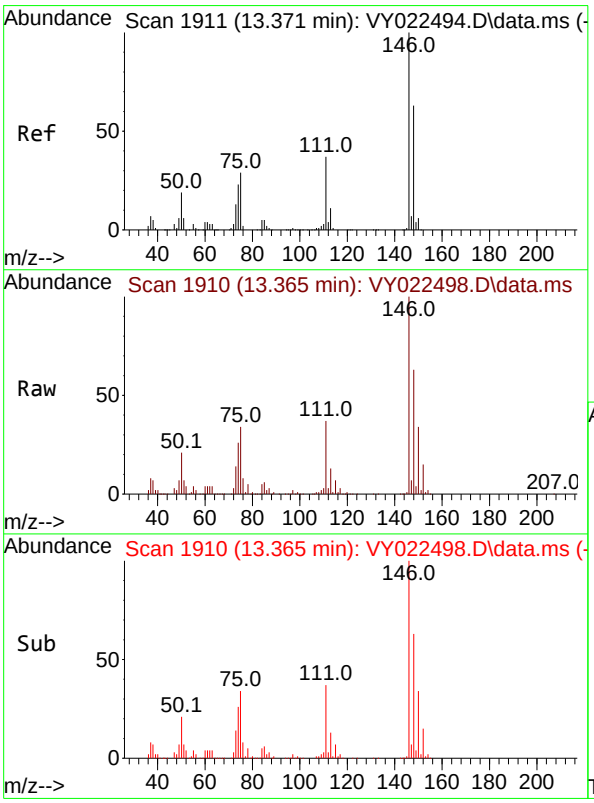
#87
1,3-Dichlorobenzene
Concen: 45.932 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:146 Resp: 234193

Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.1	60.2
148	64.1	32.1	96.3

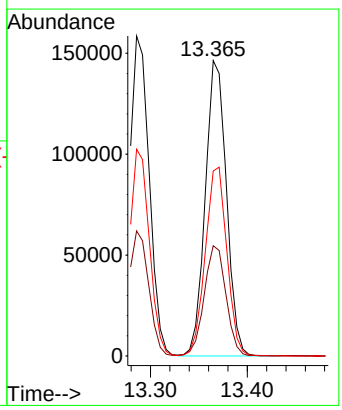


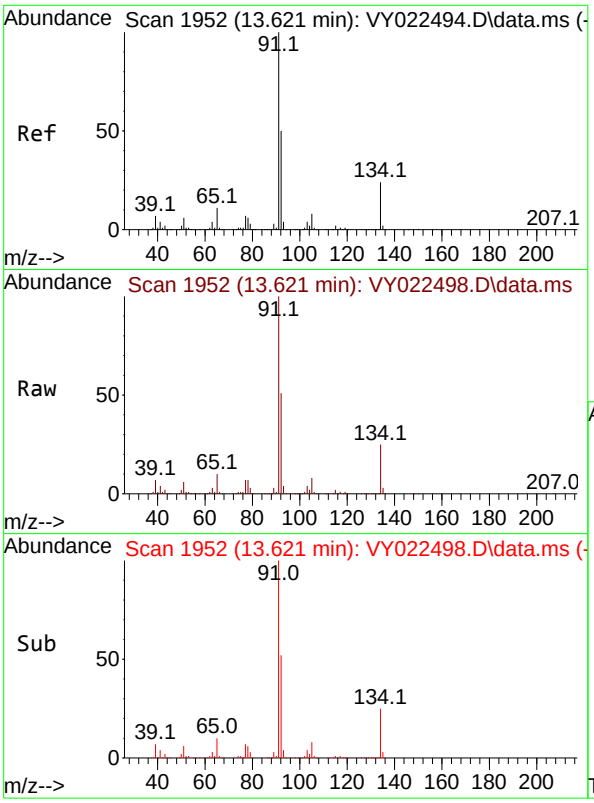


#88
1,4-Dichlorobenzene
Concen: 45.113 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:146 Resp: 223096

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.2
148	65.3	31.6	94.8



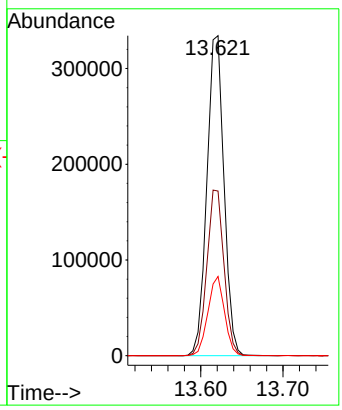


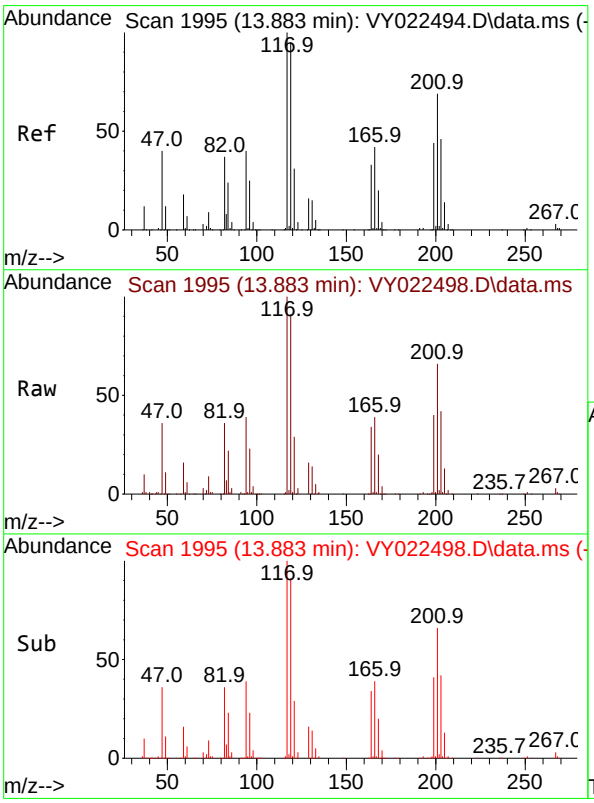
#89
n-Butylbenzene
Concen: 47.968 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion: 91 Resp: 482774

Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.8
134	24.1	12.0	36.1

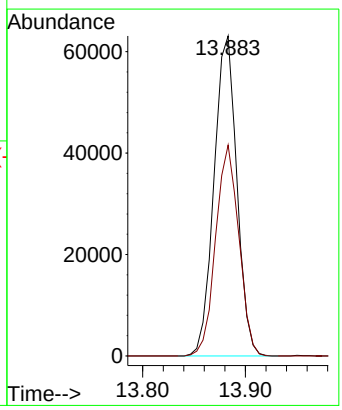


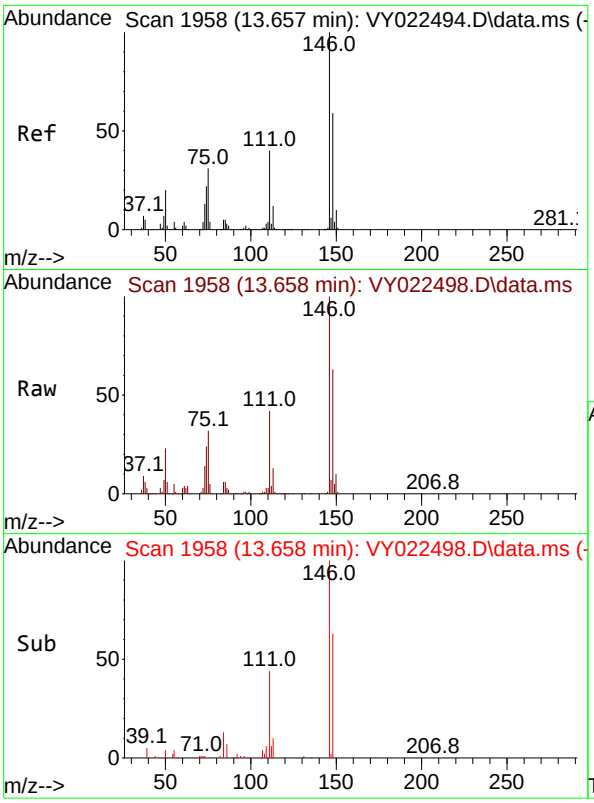


#90
Hexachloroethane
Concen: 47.101 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:117 Resp: 97273

Ion	Ratio	Lower	Upper
117	100		
201	66.8	34.0	102.0



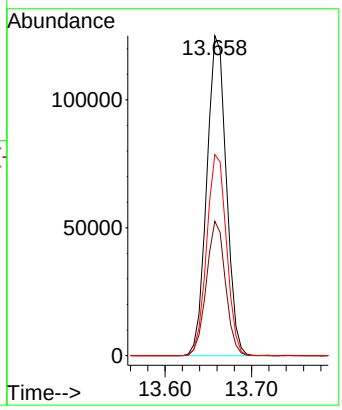


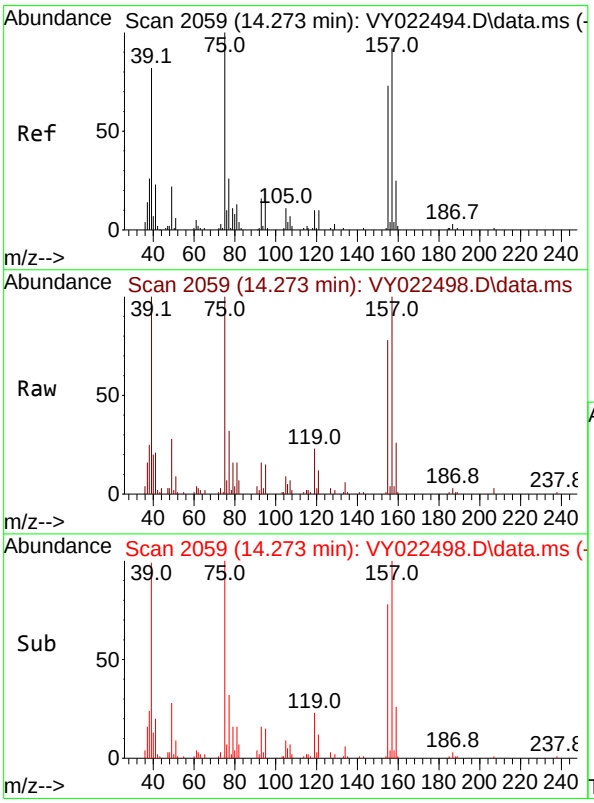
#91
1,2-Dichlorobenzene
Concen: 45.213 ug/l
RT: 13.658 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:146 Resp: 195728

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.2	60.6
148	63.8	31.4	94.0

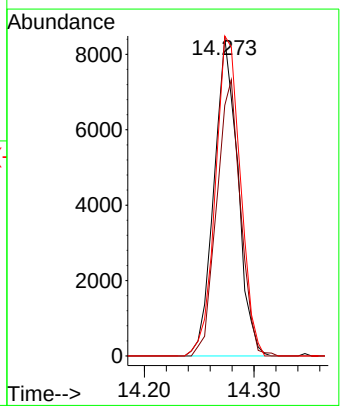


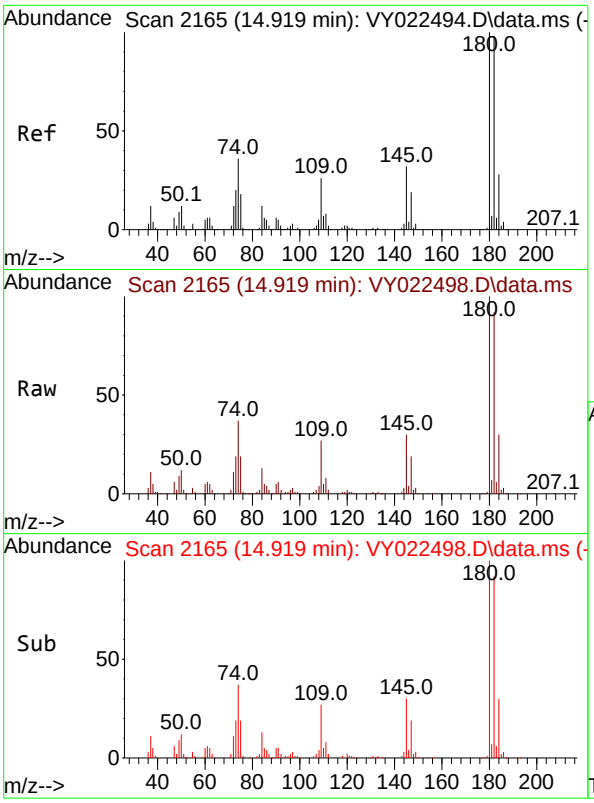


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.665 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion: 75 Resp: 12728

Ion	Ratio	Lower	Upper
75	100		
155	87.1	39.9	119.6
157	105.8	54.0	162.0



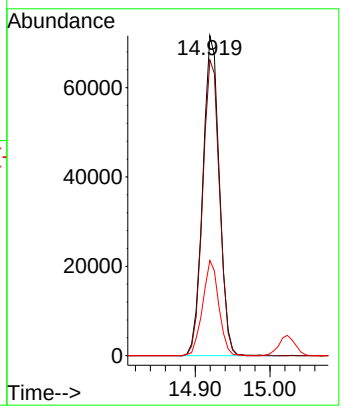


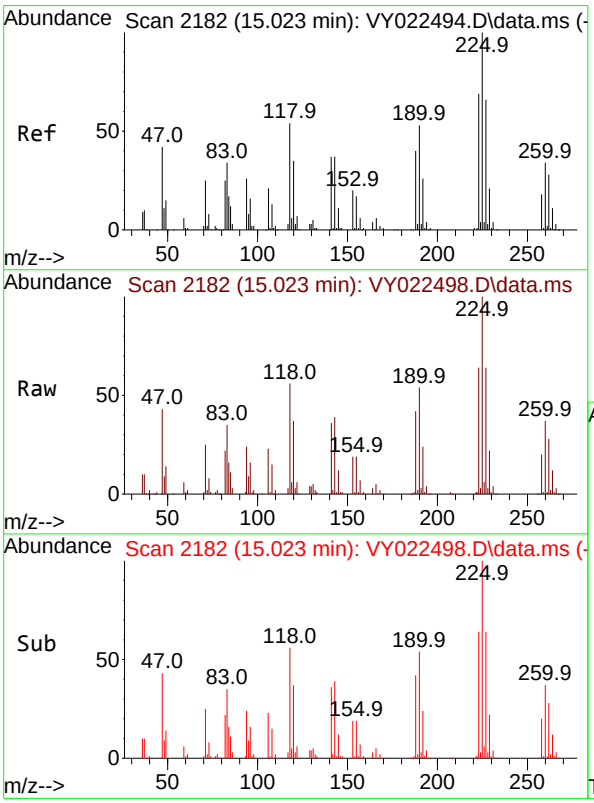
#93
1,2,4-Trichlorobenzene
Concen: 46.481 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:180 Resp: 109742

Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.4	145.3
145	29.1	15.5	46.5

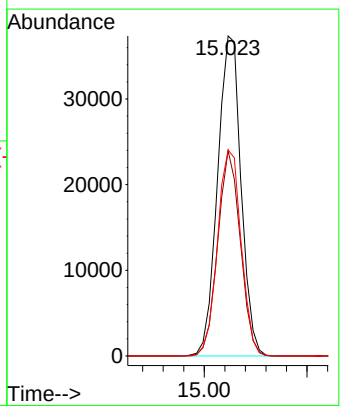


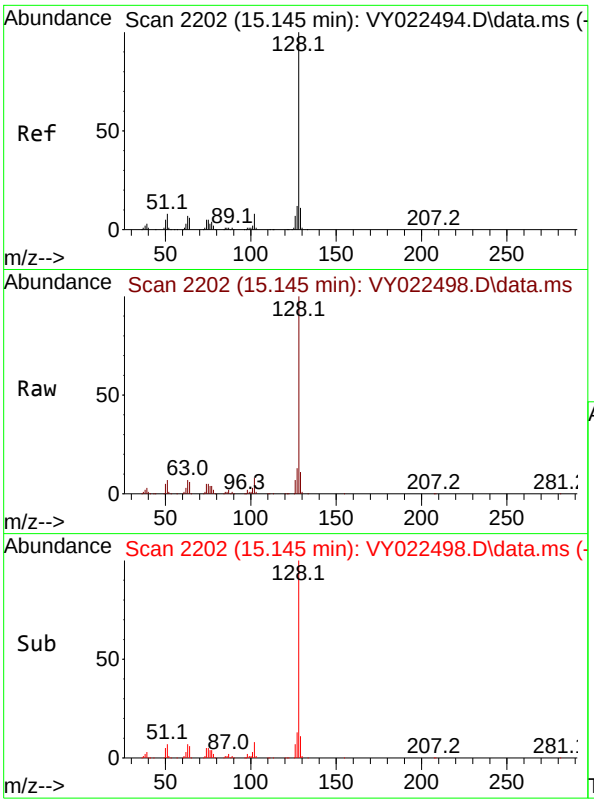


#94
Hexachlorobutadiene
Concen: 45.457 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:225 Resp: 59236

Ion	Ratio	Lower	Upper
225	100		
223	61.5	32.5	97.4
227	64.6	32.3	96.9



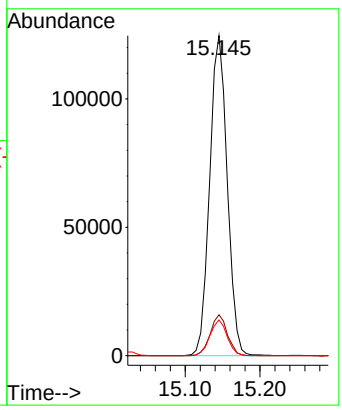


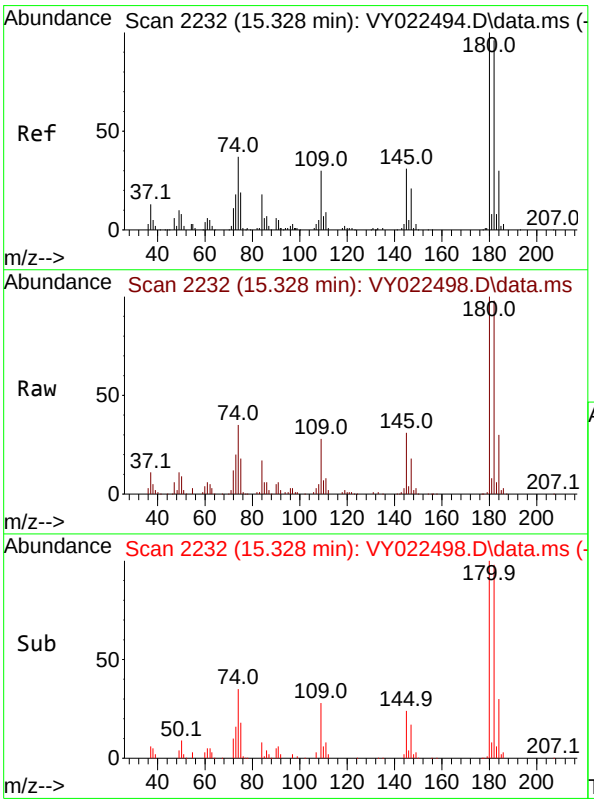
#95
Naphthalene
Concen: 45.009 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY060225

Tgt Ion:128 Resp: 203925

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.4	15.6
129	11.0	8.9	13.3

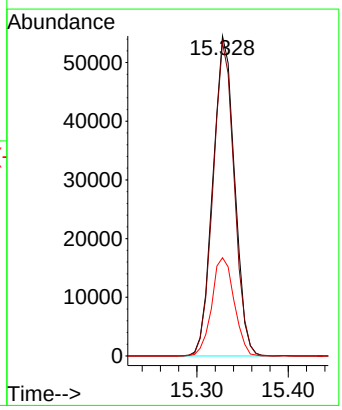




#96
1,2,3-Trichlorobenzene
Concen: 44.331 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022498.D
Acq: 02 Jun 2025 14:59

Tgt Ion:180 Resp: 89699

Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.1	141.3
145	31.8	15.2	45.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022695.D
Acq On : 16 Jun 2025 08:31
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Jun 17 05:49:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	174388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	289069	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	247096	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	115228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	98919	50.716	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.440%			
35) Dibromofluoromethane	7.640	113	91453	53.004	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.000%			
50) Toluene-d8	10.109	98	366240	52.532	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.060%			
62) 4-Bromofluorobenzene	12.407	95	107571	51.786	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	69519	44.527	ug/l	97
3) Chloromethane	2.068	50	226633	49.135	ug/l	97
4) Vinyl Chloride	2.208	62	288044	53.832	ug/l	99
5) Bromomethane	2.598	94	223301	43.541	ug/l	100
6) Chloroethane	2.738	64	190430	51.850	ug/l	93
7) Trichlorofluoromethane	3.055	101	235260	51.791	ug/l	98
8) Diethyl Ether	3.458	74	51708	50.546	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.817	101	96666	50.527	ug/l	99
10) Methyl Iodide	4.006	142	106575	51.476	ug/l	99
11) Tert butyl alcohol	4.872	59	34023	244.231	ug/l #	73
12) 1,1-Dichloroethene	3.793	96	93902	51.348	ug/l	97
13) Acrolein	3.659	56	23352	134.507	ug/l	100
14) Allyl chloride	4.390	41	145540	50.695	ug/l	100
15) Acrylonitrile	5.067	53	110892	255.955	ug/l	99
16) Acetone	3.878	43	119485	301.650	ug/l	98
17) Carbon Disulfide	4.110	76	280330	47.880	ug/l	98
18) Methyl Acetate	4.390	43	56786	48.412	ug/l	98
19) Methyl tert-butyl Ether	5.128	73	257915	50.072	ug/l	96
20) Methylene Chloride	4.622	84	105279	46.790	ug/l	97
21) trans-1,2-Dichloroethene	5.128	96	104665	51.138	ug/l	98
22) Diisopropyl ether	6.024	45	328550	51.414	ug/l	99
23) Vinyl Acetate	5.969	43	939392	248.368	ug/l	100
24) 1,1-Dichloroethane	5.921	63	200472	53.252	ug/l	99
25) 2-Butanone	6.902	43	153107	267.970	ug/l	98
26) 2,2-Dichloropropane	6.896	77	184026	55.325	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	124259	52.525	ug/l	97
28) Bromochloromethane	7.256	49	81221	49.494	ug/l	98
29) Tetrahydrofuran	7.268	42	89610	243.169	ug/l	100
30) Chloroform	7.427	83	199747	53.568	ug/l	96
31) Cyclohexane	7.707	56	175269	46.765	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	177894	53.742	ug/l	100
36) 1,1-Dichloropropene	7.841	75	148488	53.025	ug/l	99
37) Ethyl Acetate	6.994	43	61433	49.193	ug/l	98
38) Carbon Tetrachloride	7.823	117	155538	54.143	ug/l	96
39) Methylcyclohexane	9.115	83	190922	50.734	ug/l	98
40) Benzene	8.085	78	444852	53.785	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022695.D
Acq On : 16 Jun 2025 08:31
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Jun 17 05:49:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	25986	35.625	ug/l	#	75
42) 1,2-Dichloroethane	8.164	62	120862	53.518	ug/l		98
43) Isopropyl Acetate	8.201	43	136175	50.490	ug/l		99
44) Trichloroethene	8.871	130	109923	54.378	ug/l		94
45) 1,2-Dichloropropane	9.146	63	106699	54.586	ug/l		100
46) Dibromomethane	9.237	93	56327	51.221	ug/l		97
47) Bromodichloromethane	9.426	83	156346	56.070	ug/l		97
48) Methyl methacrylate	9.225	41	61103	48.272	ug/l		97
49) 1,4-Dioxane	9.237	88	12416	953.015	ug/l		96
51) 4-Methyl-2-Pentanone	9.999	43	348299	259.021	ug/l		99
52) Toluene	10.176	92	277847	53.455	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	138667	53.075	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	164783	54.182	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	73841	52.659	ug/l		96
56) Ethyl methacrylate	10.444	69	103924	51.277	ug/l		98
57) 1,3-Dichloropropane	10.719	76	131996	53.110	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	257969	280.349	ug/l		99
59) 2-Hexanone	10.761	43	239036	265.800	ug/l		99
60) Dibromochloromethane	10.914	129	95700	53.703	ug/l		99
61) 1,2-Dibromoethane	11.017	107	68002	53.207	ug/l		95
64) Tetrachloroethene	10.652	164	125705	59.140	ug/l		98
65) Chlorobenzene	11.444	112	289700	52.982	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	98730	53.599	ug/l		99
67) Ethyl Benzene	11.523	91	545428	53.780	ug/l		97
68) m/p-Xylenes	11.633	106	414254	107.748	ug/l		100
69) o-Xylene	11.956	106	192134	53.302	ug/l		100
70) Styrene	11.968	104	321446	53.948	ug/l		99
71) Bromoform	12.133	173	51977	53.026	ug/l	#	99
73) Isopropylbenzene	12.255	105	506645	53.555	ug/l		99
74) N-amyl acetate	12.072	43	119948	50.251	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	76474	49.254	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	112024	84.979	ug/l	#	100
77) Bromobenzene	12.535	156	104365	52.278	ug/l		98
78) n-propylbenzene	12.596	91	623894	53.995	ug/l		99
79) 2-Chlorotoluene	12.682	91	327036	53.402	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	400018	53.859	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	25980	47.593	ug/l		98
82) 4-Chlorotoluene	12.779	91	340887	53.959	ug/l		100
83) tert-Butylbenzene	12.999	119	356717	53.513	ug/l		100
84) 1,2,4-Trimethylbenzene	13.041	105	400978	53.979	ug/l		99
85) sec-Butylbenzene	13.176	105	552081	54.077	ug/l		99
86) p-Isopropyltoluene	13.291	119	450726	53.561	ug/l		100
87) 1,3-Dichlorobenzene	13.291	146	218598	54.045	ug/l		98
88) 1,4-Dichlorobenzene	13.364	146	208563	53.164	ug/l		99
89) n-Butylbenzene	13.621	91	432928	54.225	ug/l		99
90) Hexachloroethane	13.883	117	90202	55.059	ug/l		98
91) 1,2-Dichlorobenzene	13.663	146	182696	53.200	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11774	52.084	ug/l		92
93) 1,2,4-Trichlorobenzene	14.919	180	96629	51.592	ug/l		98
94) Hexachlorobutadiene	15.023	225	53481	51.735	ug/l		97
95) Naphthalene	15.145	128	176934	49.227	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	81492	50.769	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022695.D
Acq On : 16 Jun 2025 08:31
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Jun 17 05:49:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

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

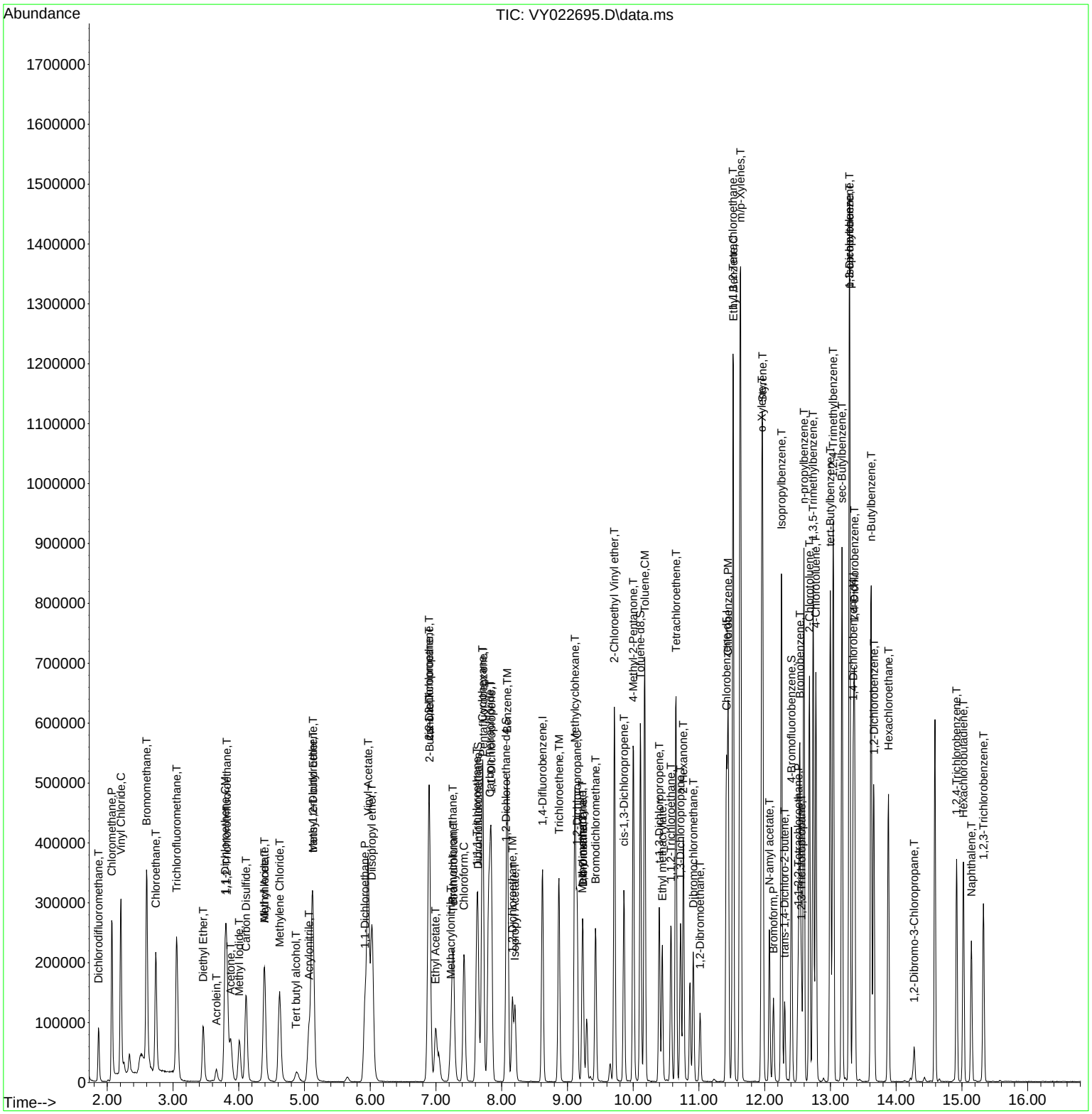
(#) = qualifier out of range (m) = manual integration (+) = signals summed

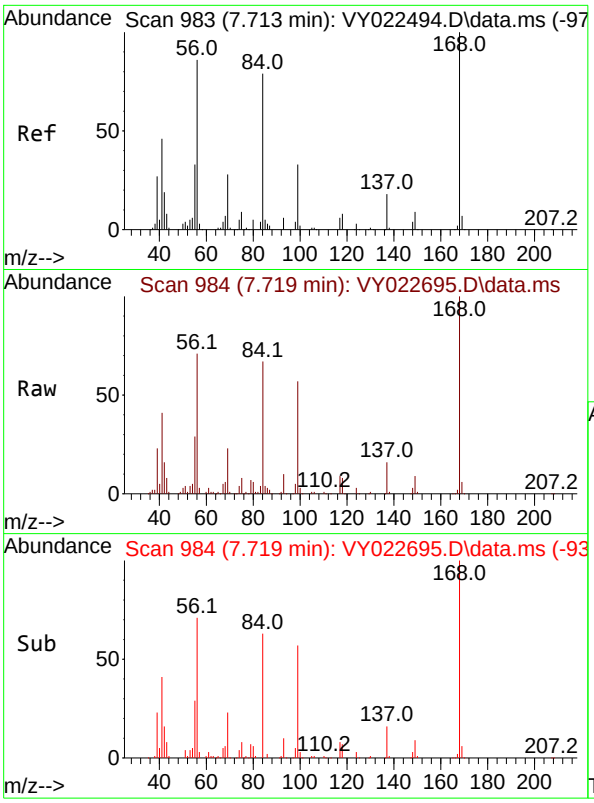
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022695.D
Acq On : 16 Jun 2025 08:31
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Jun 17 05:49:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration



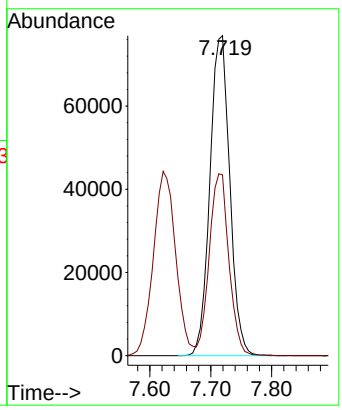


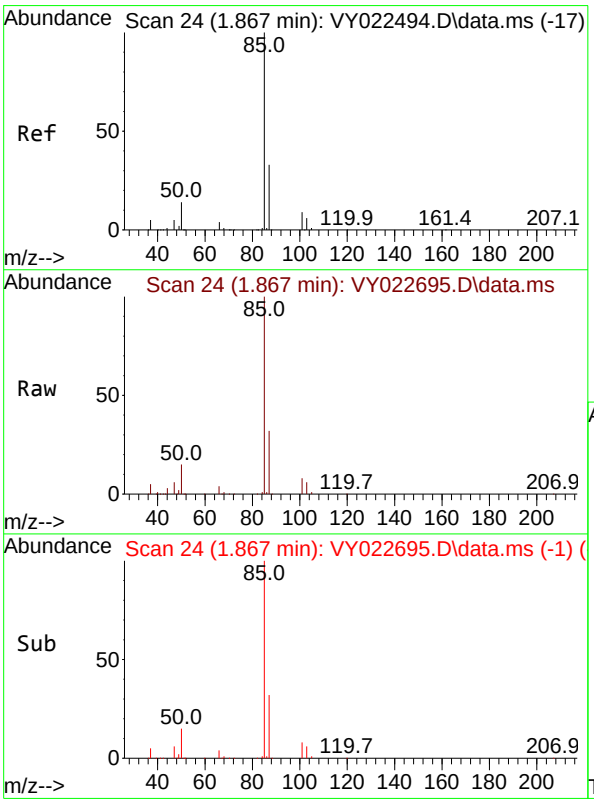
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 174388

Ion	Ratio	Lower	Upper
168	100		
99	56.5	44.3	66.5

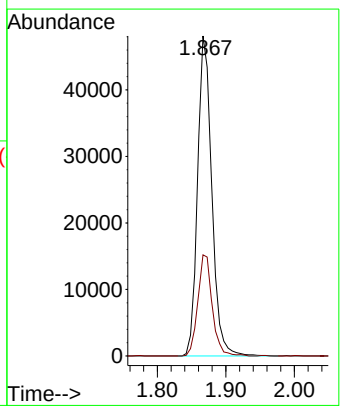


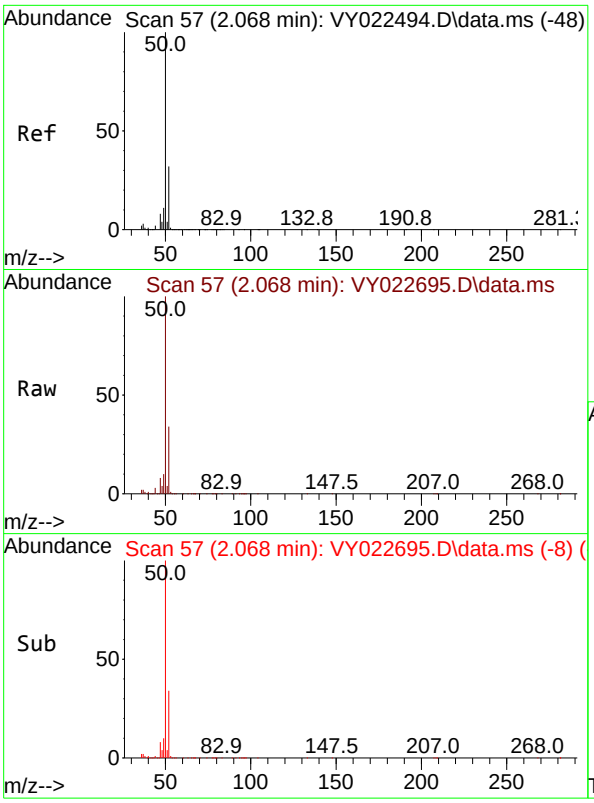


#2
Dichlorodifluoromethane
Concen: 44.527 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 85 Resp: 69519

Ion	Ratio	Lower	Upper
85	100		
87	31.6	16.7	50.0



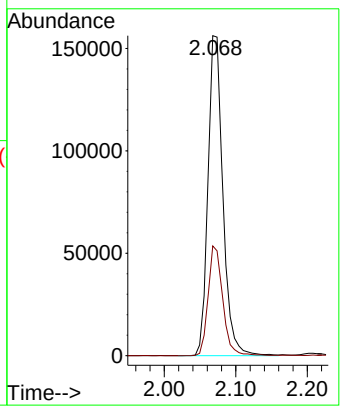


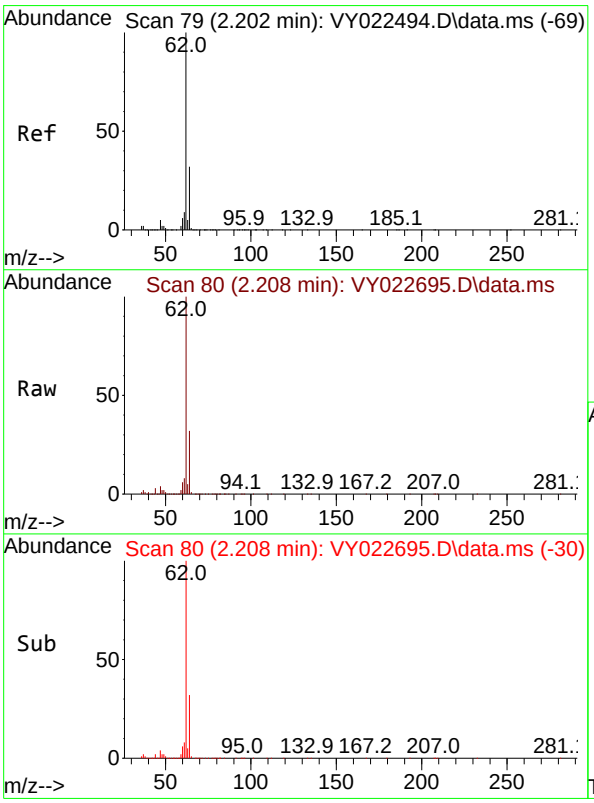
#3
Chloromethane
Concen: 49.135 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 226633

Ion	Ratio	Lower	Upper
50	100		
52	34.3	26.0	39.0

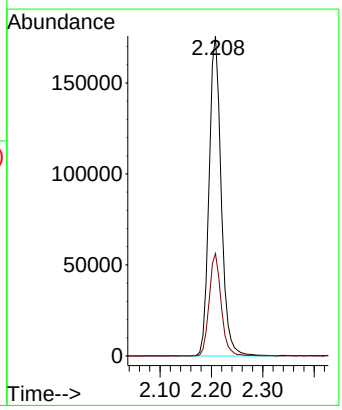


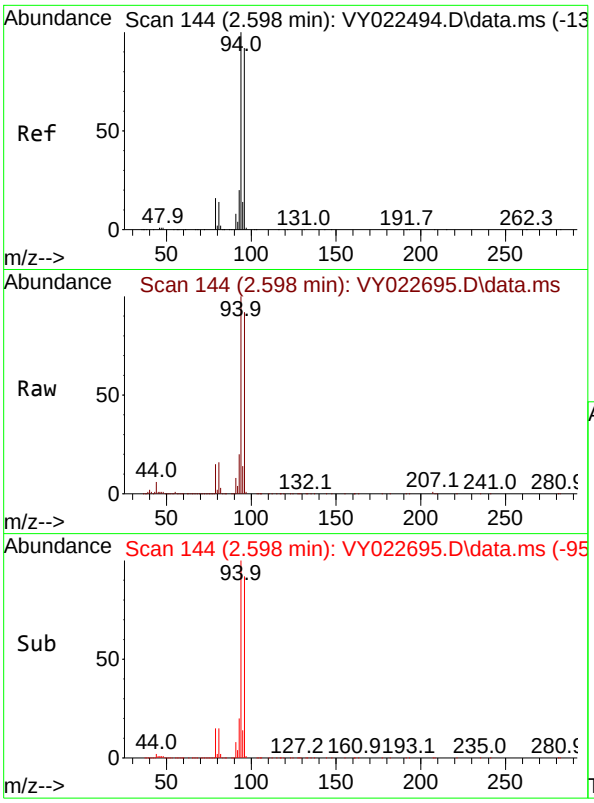


#4
Vinyl Chloride
Concen: 53.832 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 62 Resp: 288044

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.3	37.9



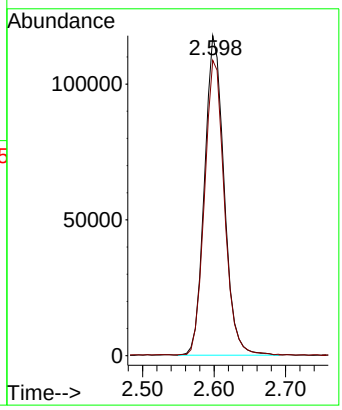


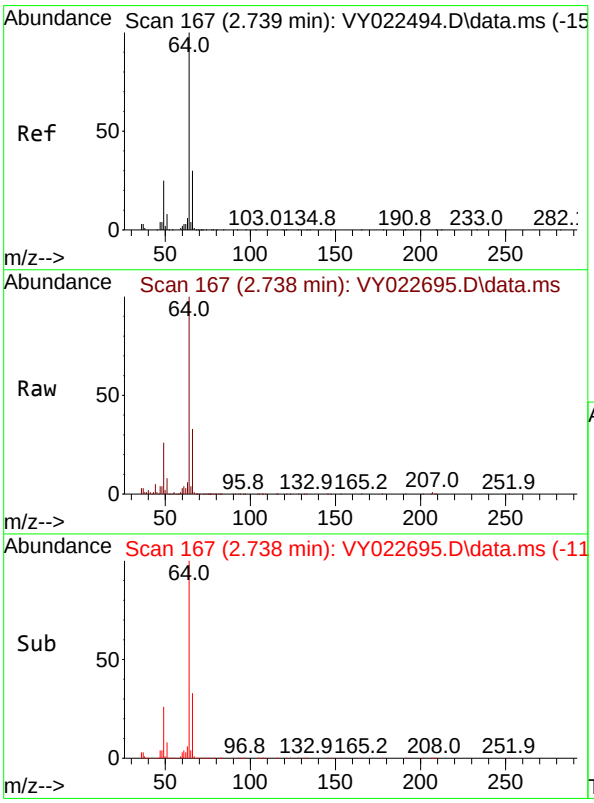
#5
Bromomethane
Concen: 43.541 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 223301

Ion	Ratio	Lower	Upper
94	100		
96	92.2	74.0	111.0

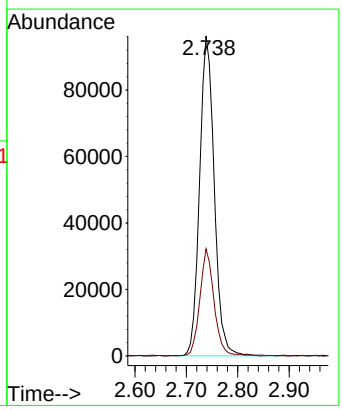


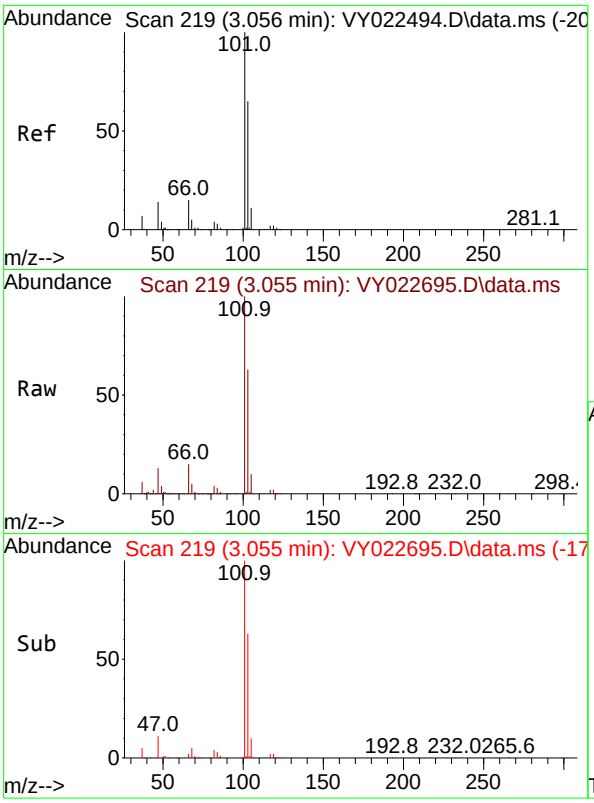


#6
Chloroethane
Concen: 51.850 ug/l
RT: 2.738 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 64 Resp: 190430

Ion	Ratio	Lower	Upper
64	100		
66	33.4	23.8	35.6



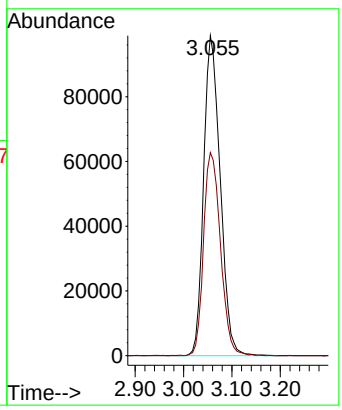


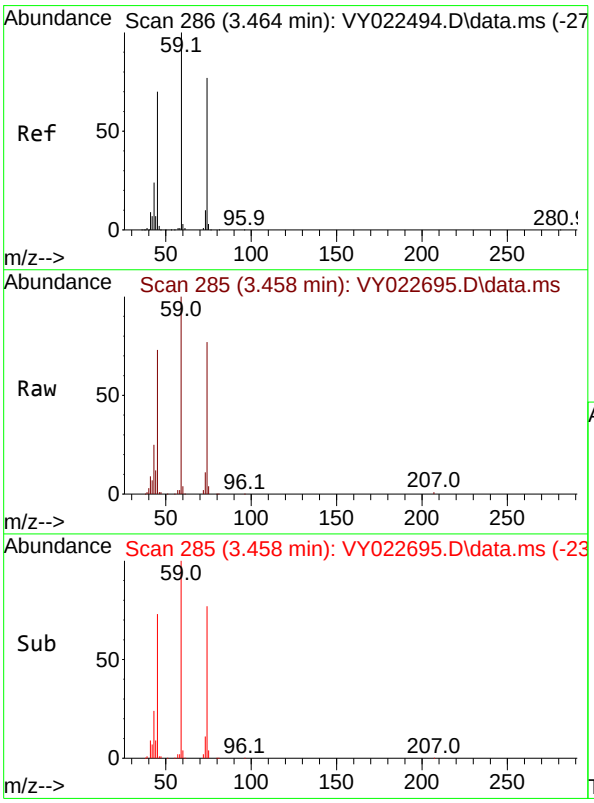
#7
Trichlorofluoromethane
Concen: 51.791 ug/l
RT: 3.055 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 235260

Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.2	78.2

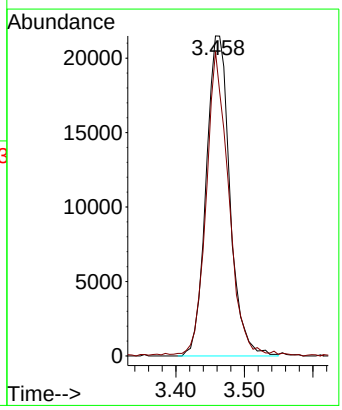


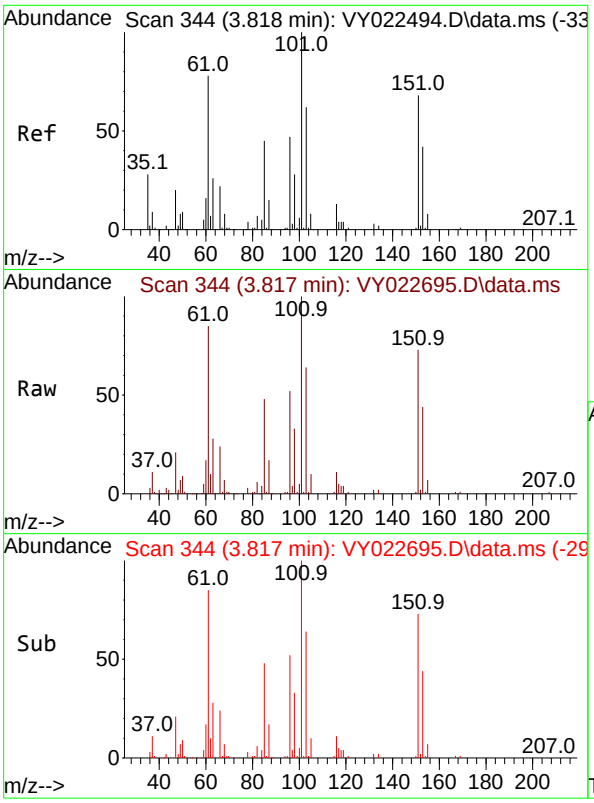


#8
Diethyl Ether
Concen: 50.546 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 74 Resp: 51708

Ion	Ratio	Lower	Upper
74	100		
45	88.0	45.9	137.6



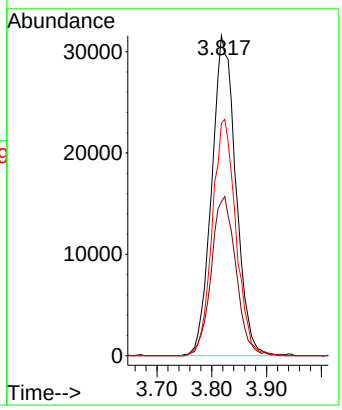


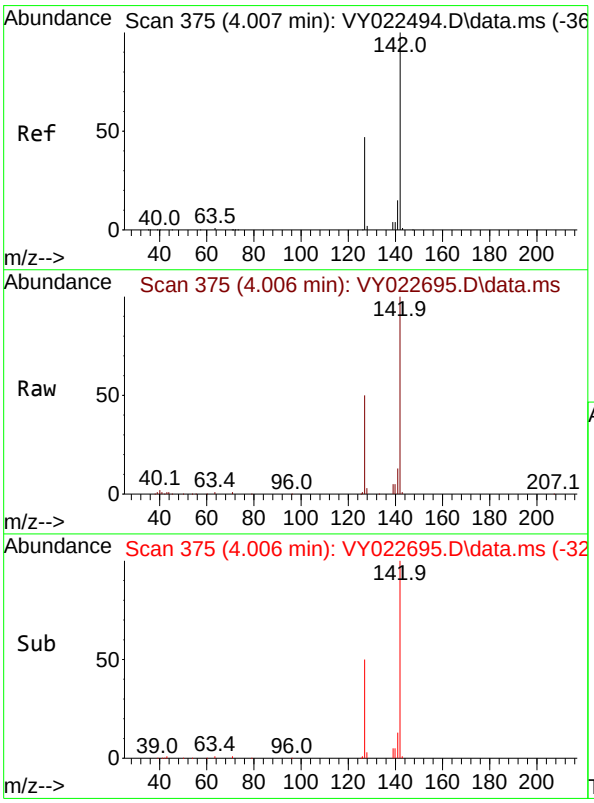
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.527 ug/l
RT: 3.817 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 96666

Ion	Ratio	Lower	Upper
101	100		
85	50.5	39.3	58.9
151	72.4	57.8	86.8

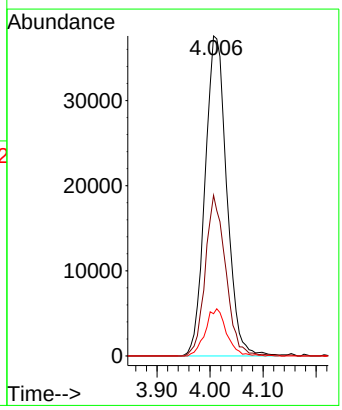


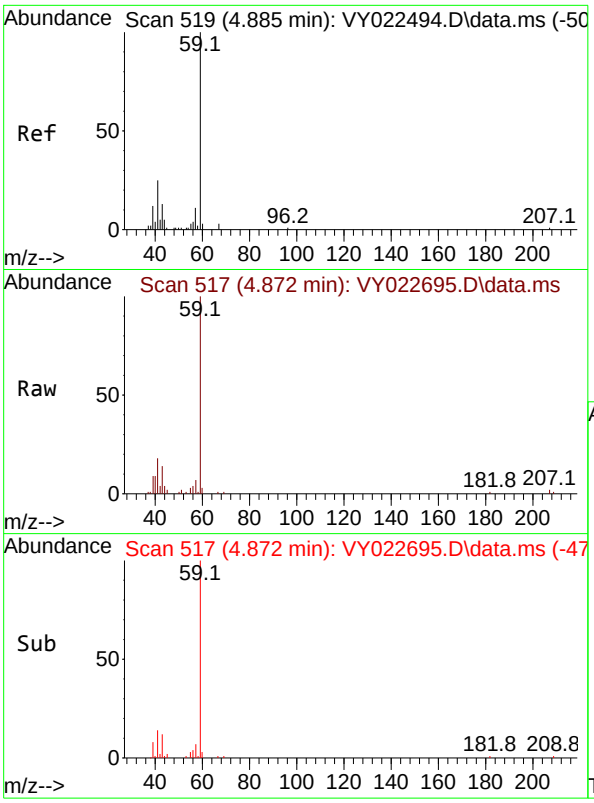


#10
Methyl Iodide
Concen: 51.476 ug/l
RT: 4.006 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:142 Resp: 106575

Ion	Ratio	Lower	Upper
142	100		
127	47.4	37.1	55.7
141	14.5	11.4	17.2



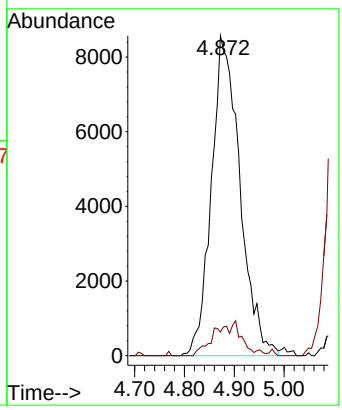


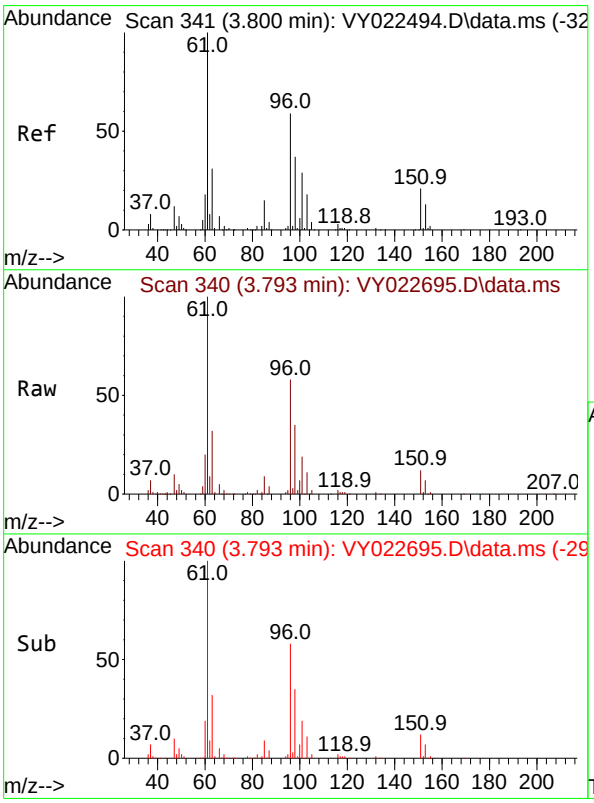
#11
Tert butyl alcohol
Concen: 244.231 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.013 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 34023

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.0	12.0#

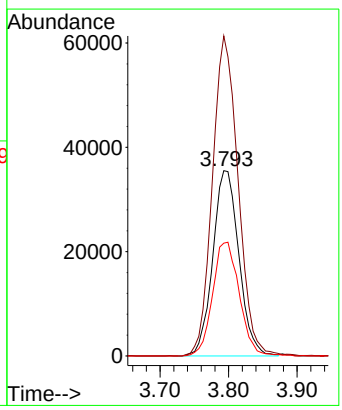


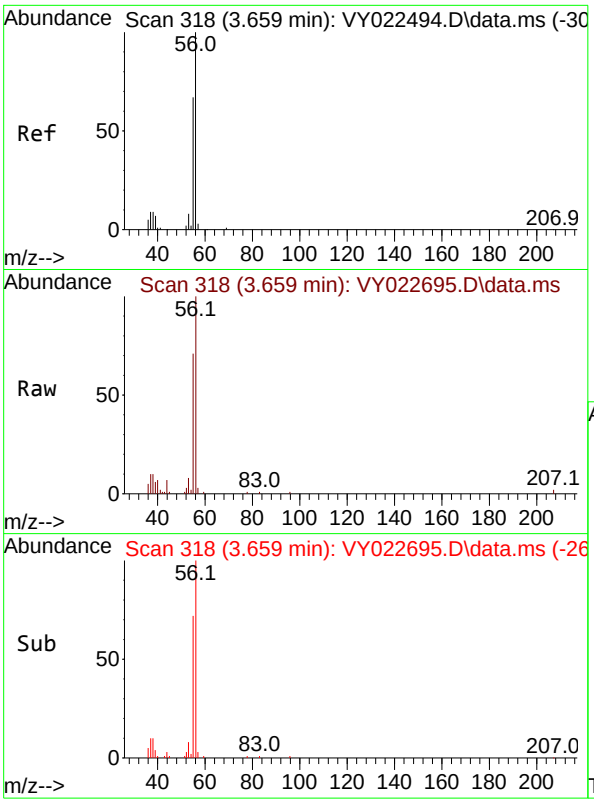


#12
1,1-Dichloroethene
Concen: 51.348 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 96 Resp: 93902

Ion	Ratio	Lower	Upper
96	100		
61	172.7	134.6	201.8
98	60.9	50.2	75.4



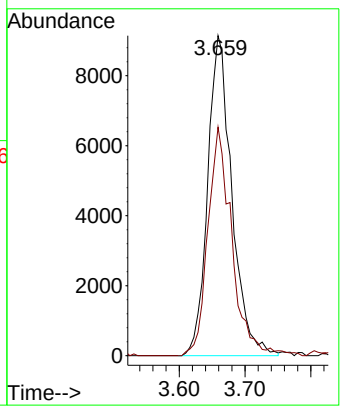


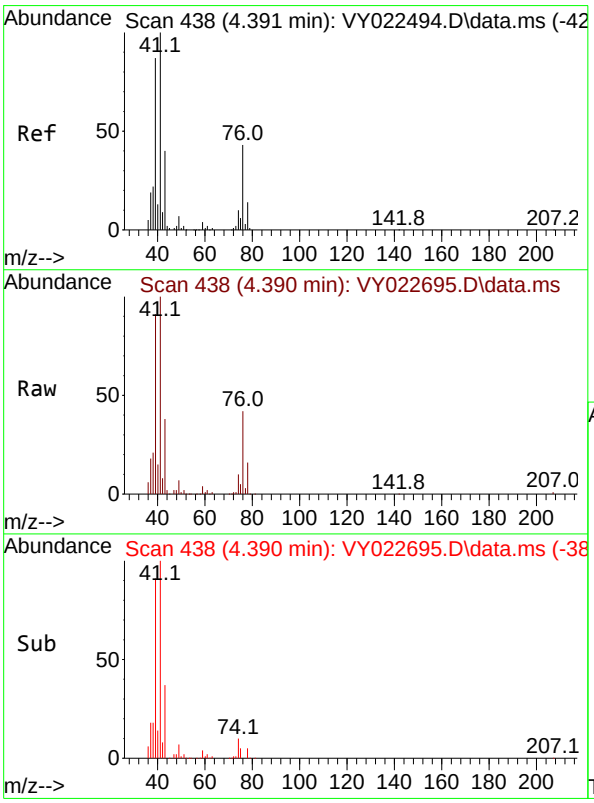
#13
Acrolein
Concen: 134.507 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 23352

Ion	Ratio	Lower	Upper
56	100		
55	71.1	57.0	85.6

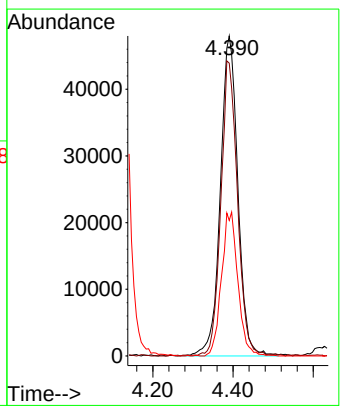


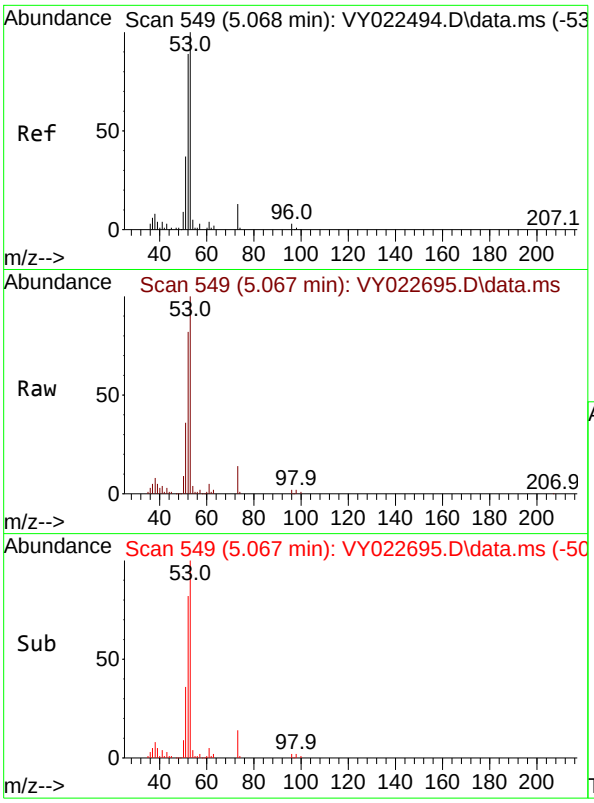


#14
Allyl chloride
Concen: 50.695 ug/l
RT: 4.390 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 41 Resp: 145540

Ion	Ratio	Lower	Upper
41	100		
39	86.9	69.1	103.7
76	42.1	33.5	50.3



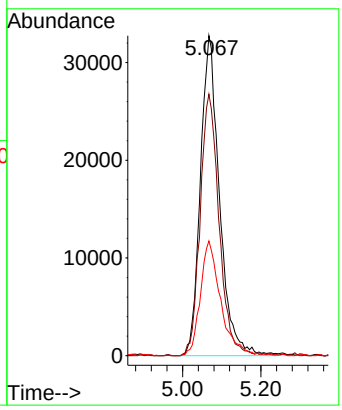


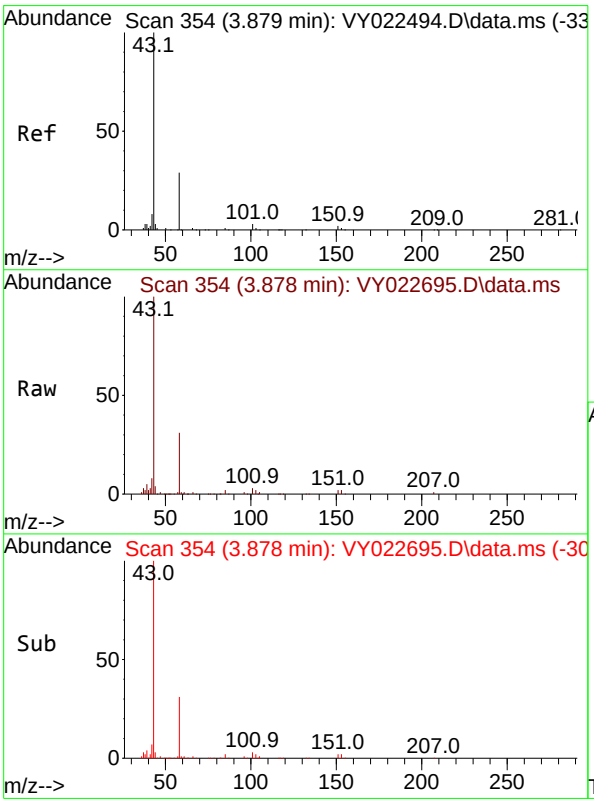
#15
Acrylonitrile
Concen: 255.955 ug/l
RT: 5.067 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 110892

Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.7	98.5
51	38.3	30.1	45.1

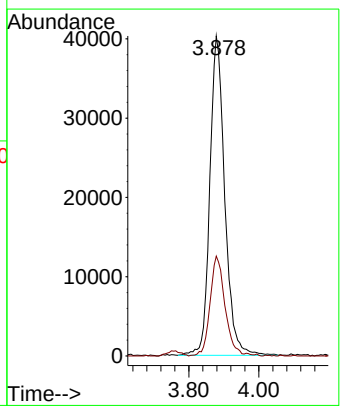


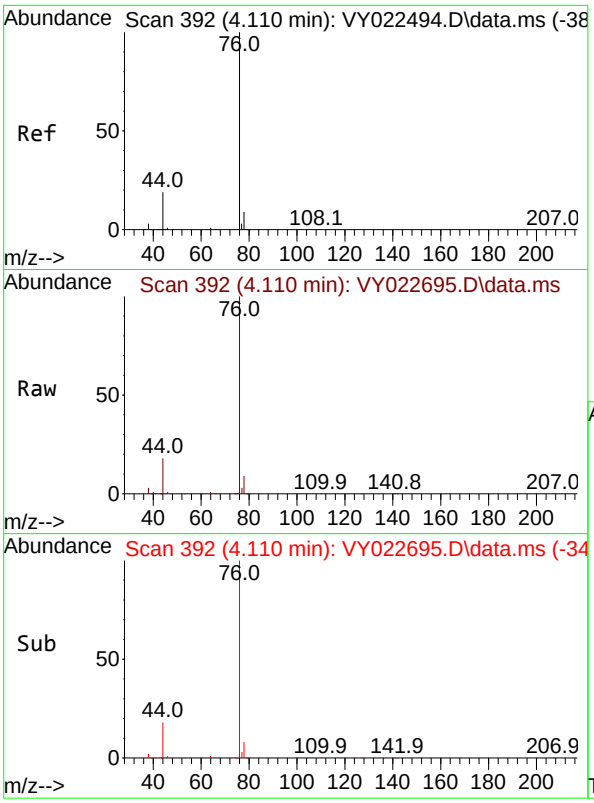


#16
Acetone
Concen: 301.650 ug/l
RT: 3.878 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 43 Resp: 119485

Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.0	36.0



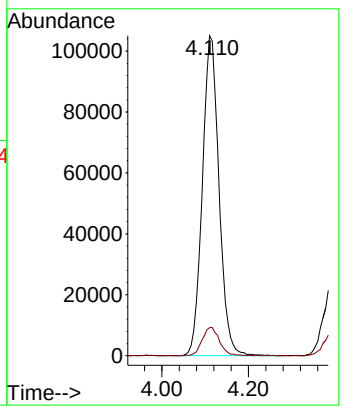


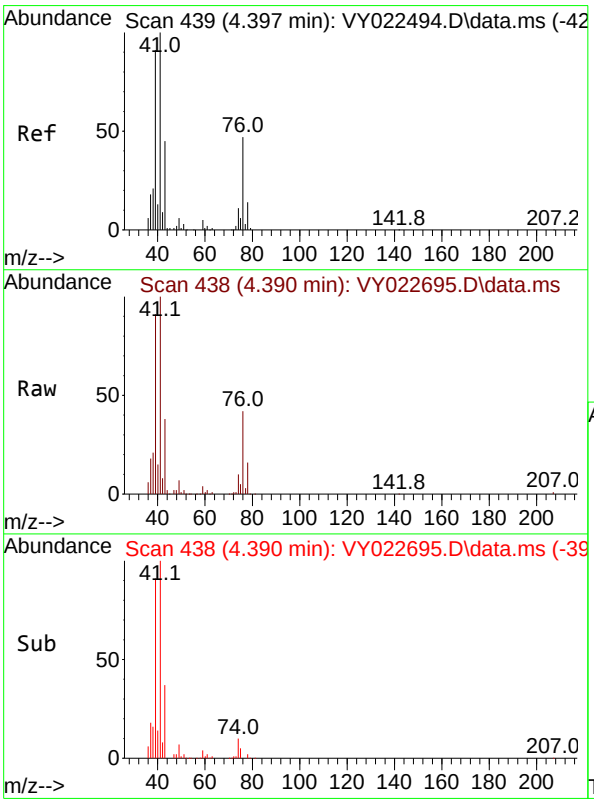
#17
Carbon Disulfide
Concen: 47.880 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 280330

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.2

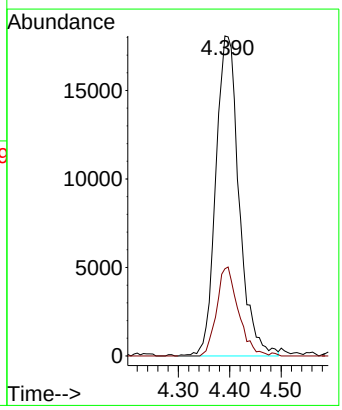


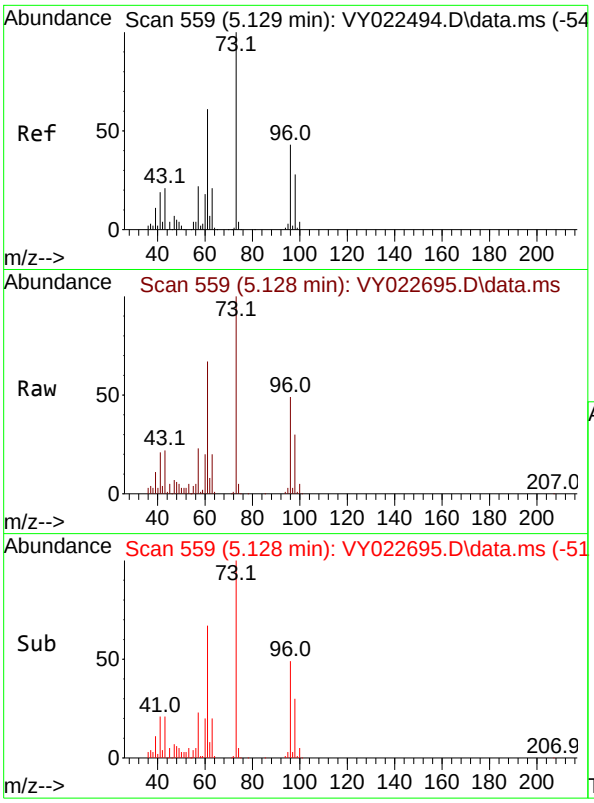


#18
Methyl Acetate
Concen: 48.412 ug/l
RT: 4.390 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 43 Resp: 56786

Ion	Ratio	Lower	Upper
43	100		
74	25.9	19.8	29.6



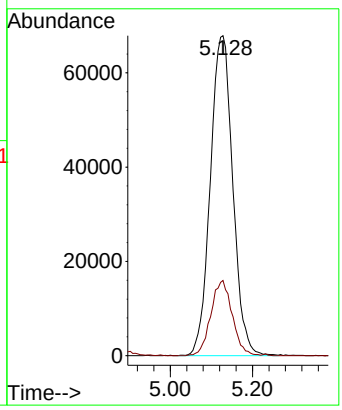


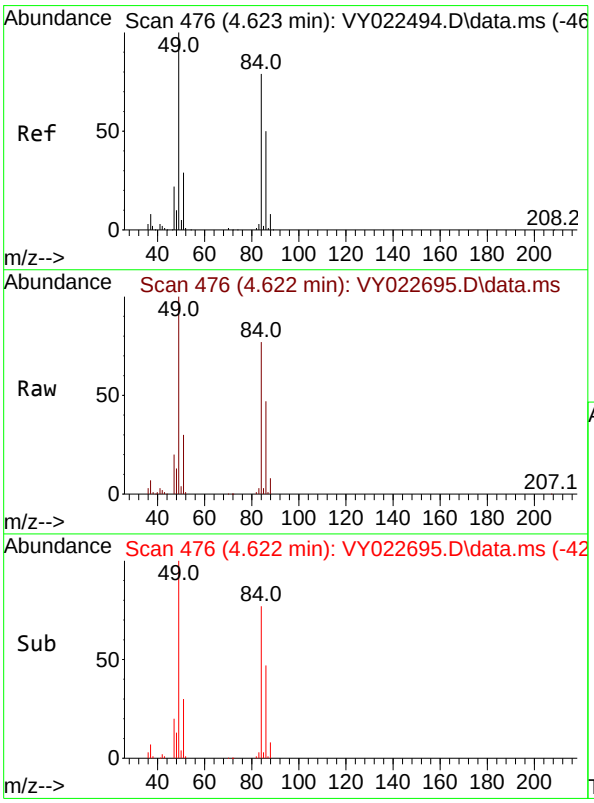
#19
Methyl tert-butyl Ether
Concen: 50.072 ug/l
RT: 5.128 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 257915

Ion	Ratio	Lower	Upper
73	100		
57	23.5	17.4	26.0

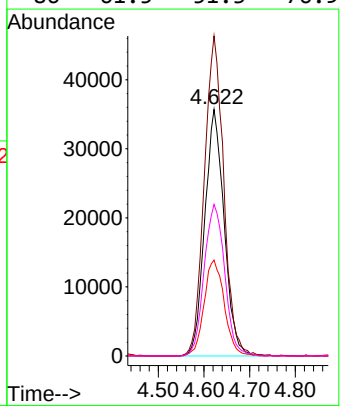


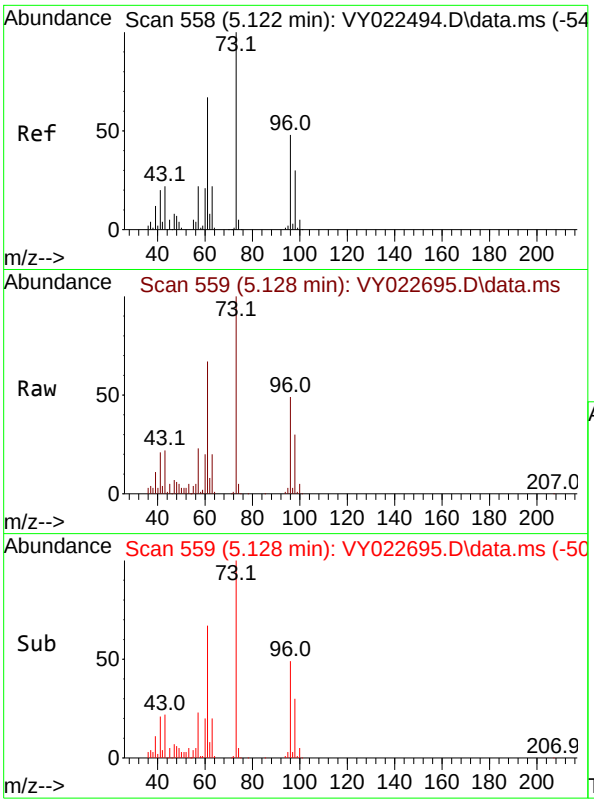


#20
Methylene Chloride
Concen: 46.790 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 84 Resp: 105279

Ion	Ratio	Lower	Upper
84	100		
49	129.7	101.9	152.9
51	38.9	29.8	44.8
86	61.5	51.3	76.9



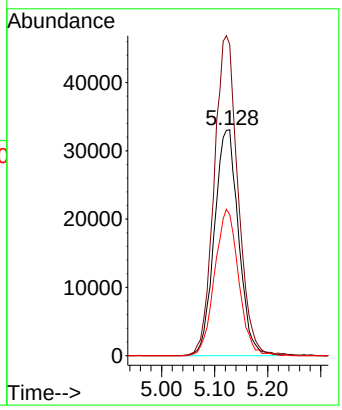


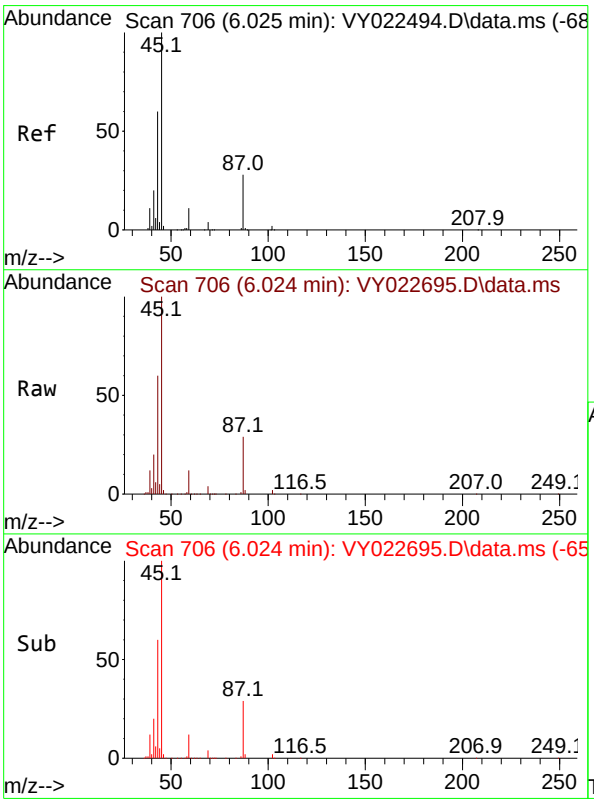
#21
trans-1,2-Dichloroethene
Concen: 51.138 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 104665

Ion	Ratio	Lower	Upper
96	100		
61	137.7	112.6	169.0
98	62.5	50.6	75.8

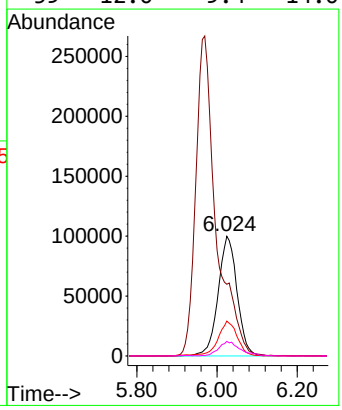


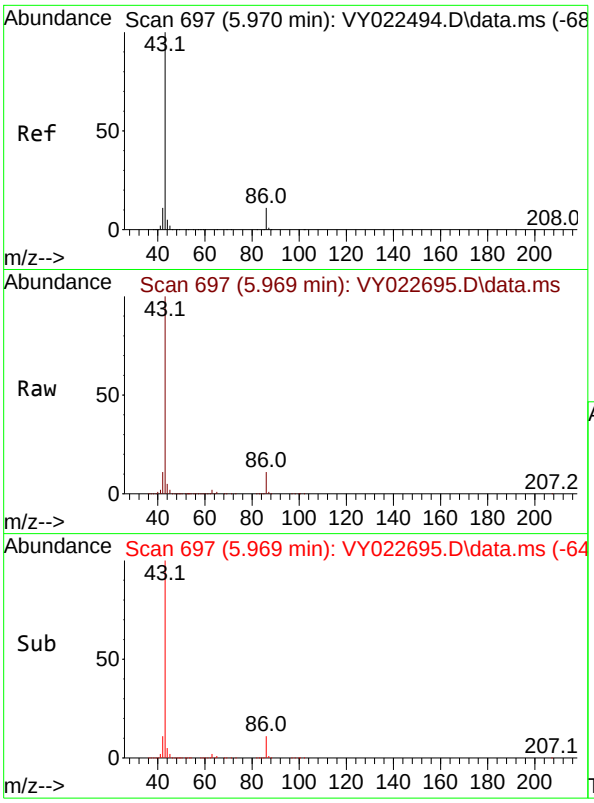


#22
Diisopropyl ether
Concen: 51.414 ug/l
RT: 6.024 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 45 Resp: 328550

Ion	Ratio	Lower	Upper
45	100		
43	59.6	48.3	72.5
87	29.1	23.0	34.6
59	12.0	9.4	14.0



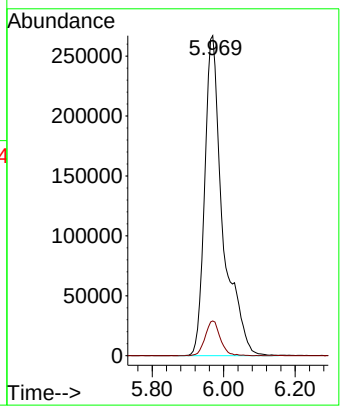


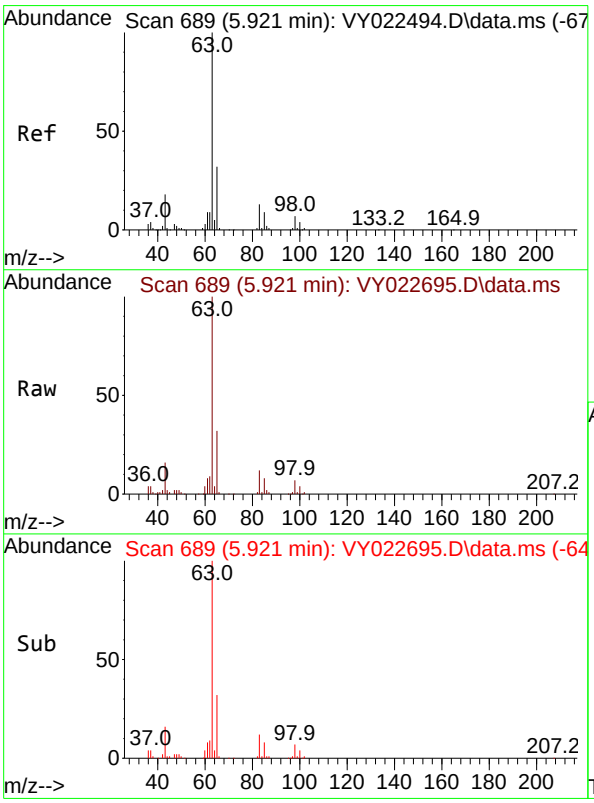
#23
Vinyl Acetate
Concen: 248.368 ug/l
RT: 5.969 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 939392

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.6	12.8

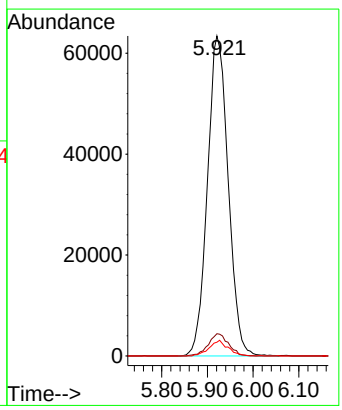


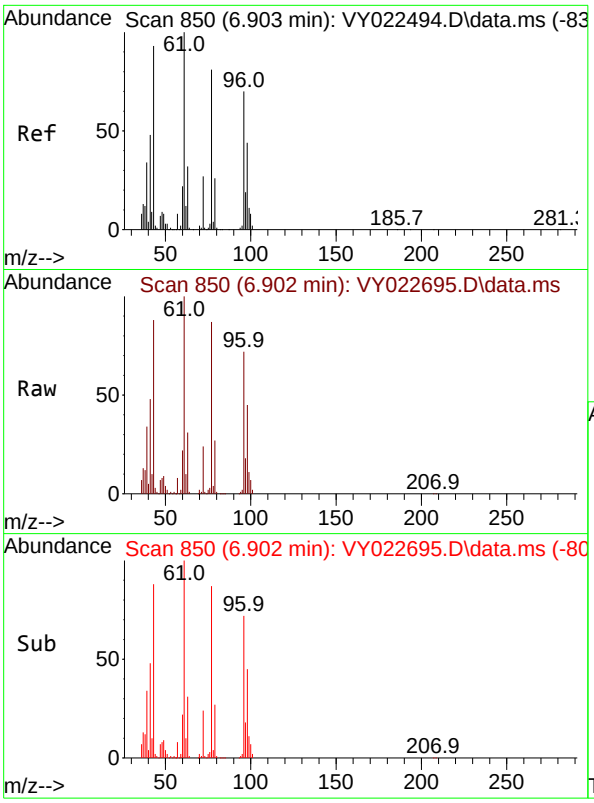


#24
1,1-Dichloroethane
Concen: 53.252 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 63 Resp: 200472

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.1
100	4.3	2.1	6.3



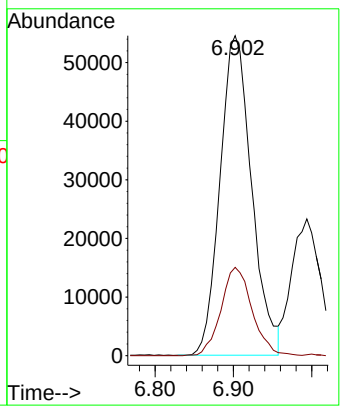


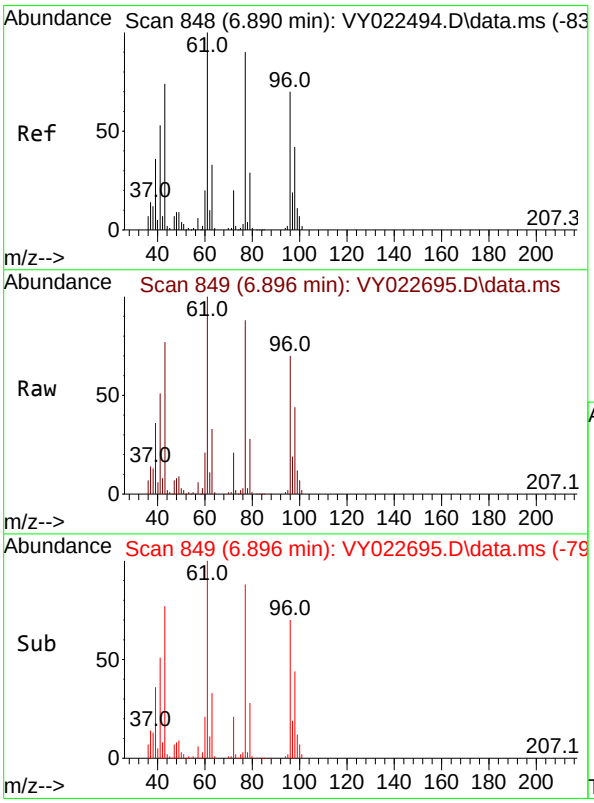
#25
2-Butanone
Concen: 267.970 ug/l
RT: 6.902 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 153107

Ion	Ratio	Lower	Upper
43	100		
72	27.6	22.9	34.3

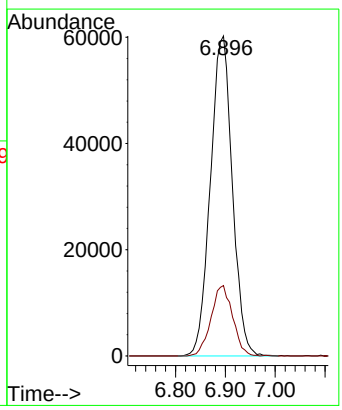


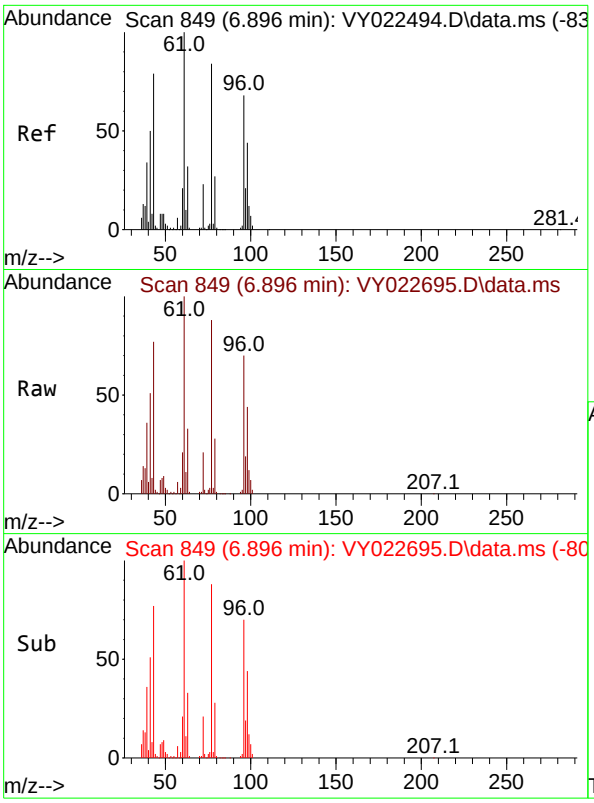


#26
2,2-Dichloropropane
Concen: 55.325 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 77 Resp: 184026

Ion	Ratio	Lower	Upper
77	100		
97	21.7	11.4	34.2



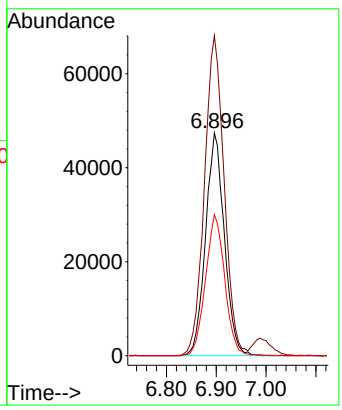


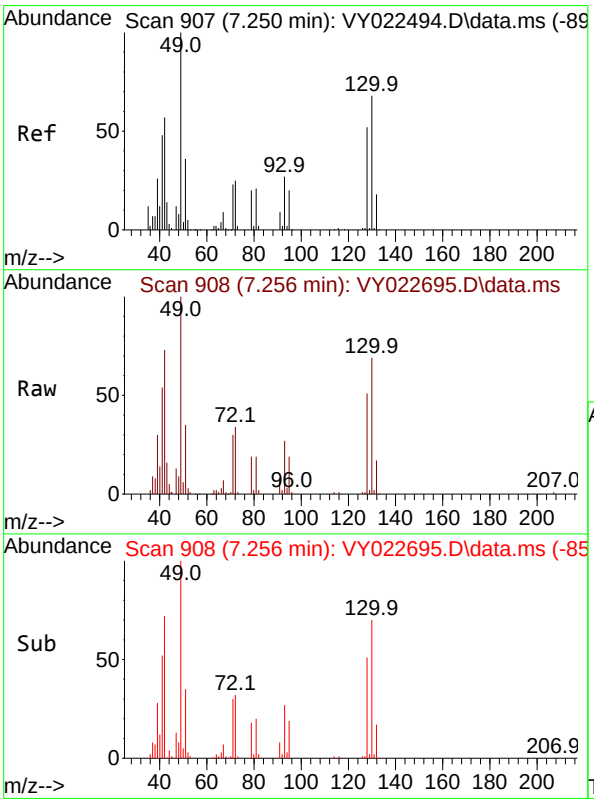
#27
cis-1,2-Dichloroethene
Concen: 52.525 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 124259

Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	290.0
98	64.8	0.0	128.4

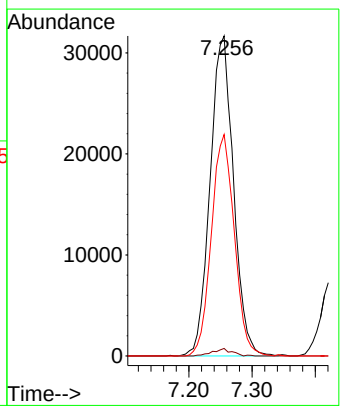


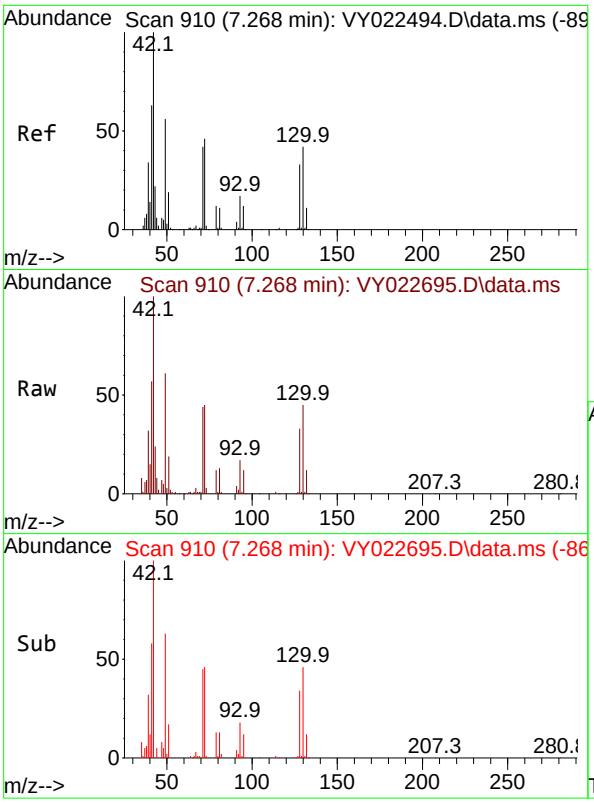


#28
Bromochloromethane
Concen: 49.494 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 49 Resp: 81221

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	68.0	55.7	83.5



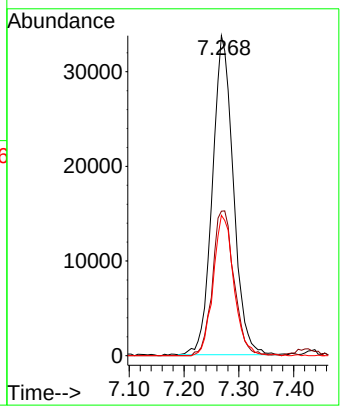


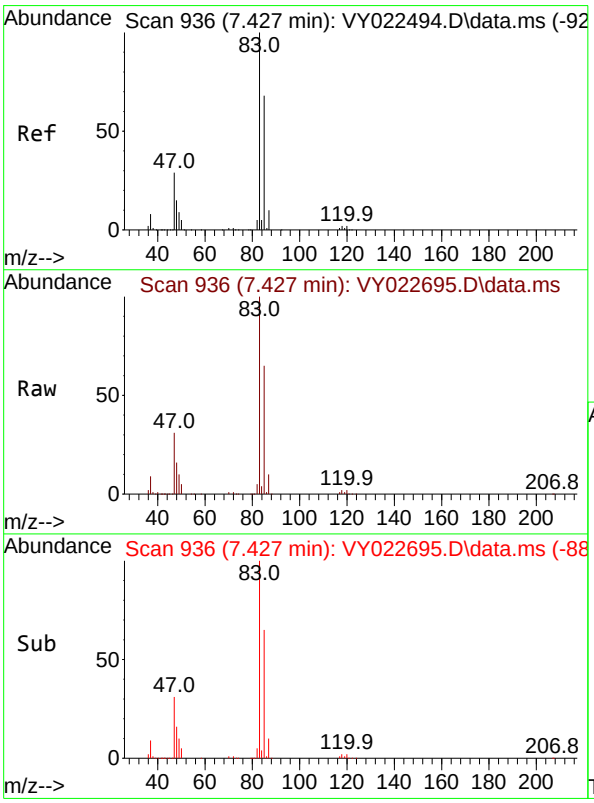
#29
Tetrahydrofuran
Concen: 243.169 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 89610

Ion	Ratio	Lower	Upper
42	100		
72	46.7	37.4	56.2
71	43.2	34.2	51.2

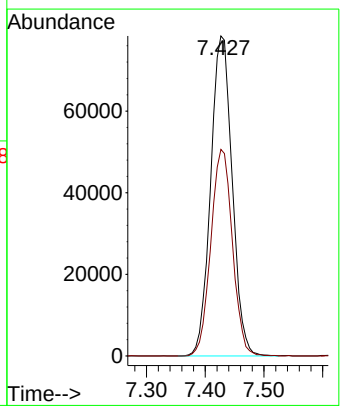


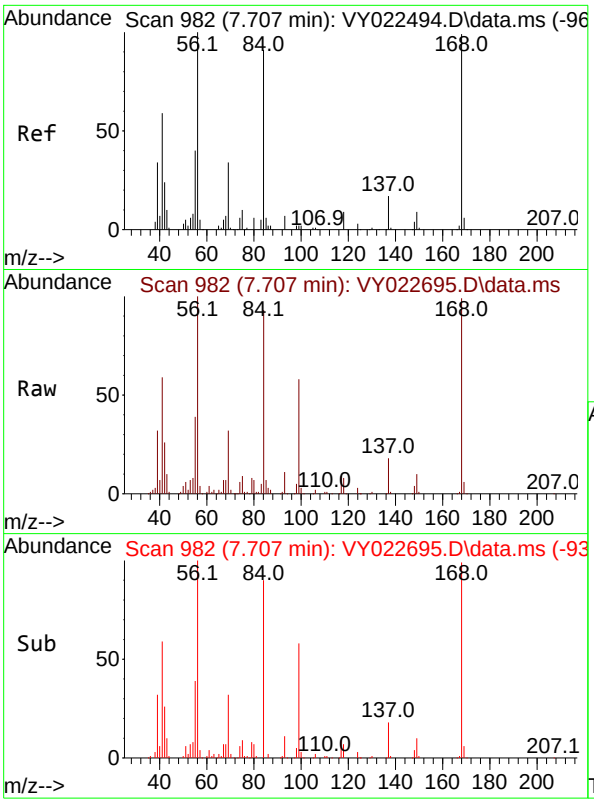


#30
Chloroform
Concen: 53.568 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 83 Resp: 199747

Ion	Ratio	Lower	Upper
83	100		
85	64.5	54.2	81.4



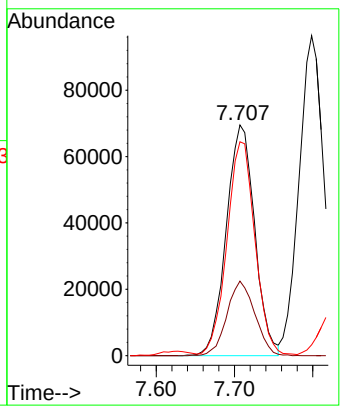


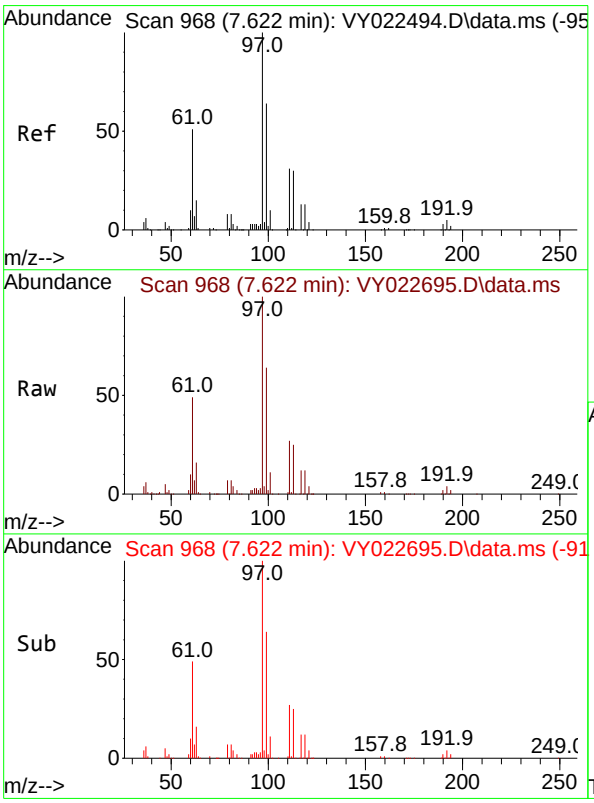
#31
Cyclohexane
Concen: 46.765 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 175269

Ion	Ratio	Lower	Upper
56	100		
69	32.3	27.0	40.6
84	90.8	72.6	109.0

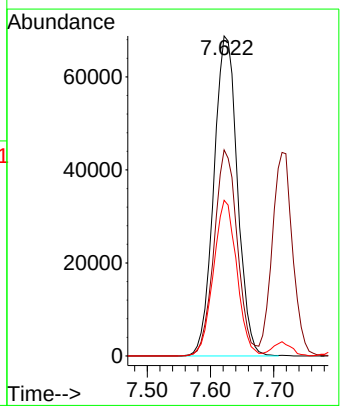


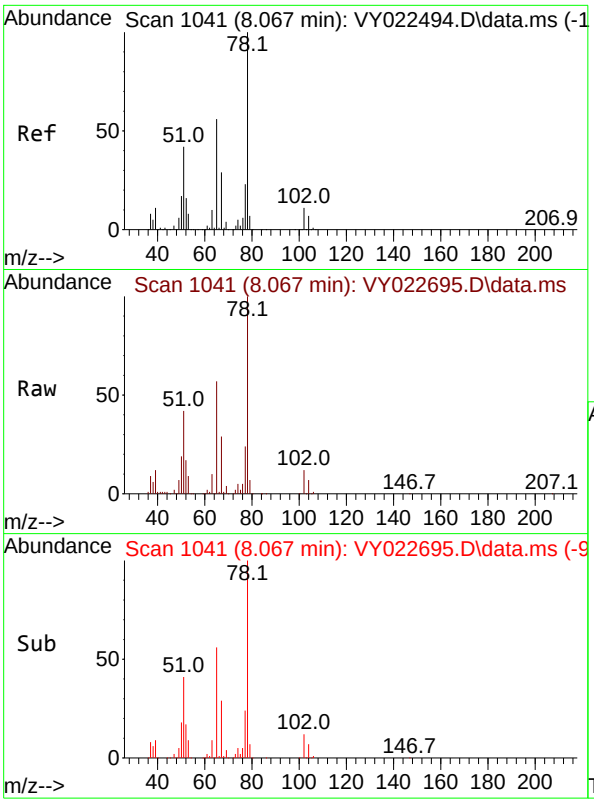


#32
1,1,1-Trichloroethane
Concen: 53.742 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 97 Resp: 177894

Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.9	76.3
61	48.2	38.5	57.7



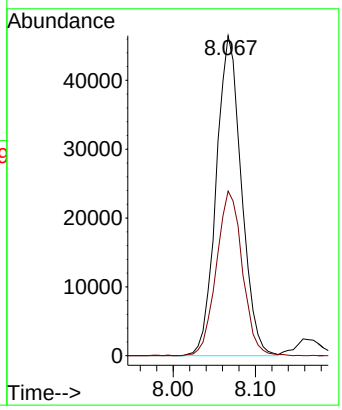


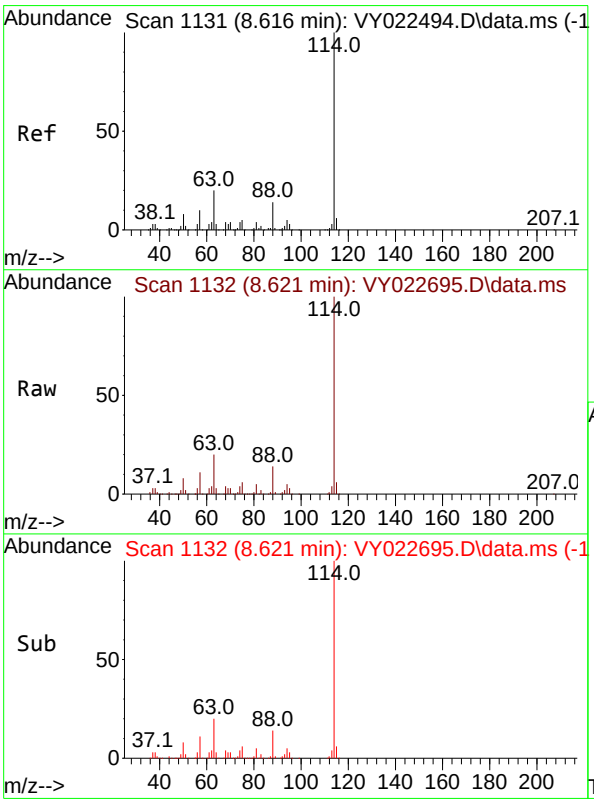
#33
1,2-Dichloroethane-d4
Concen: 50.716 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 98919

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	103.4

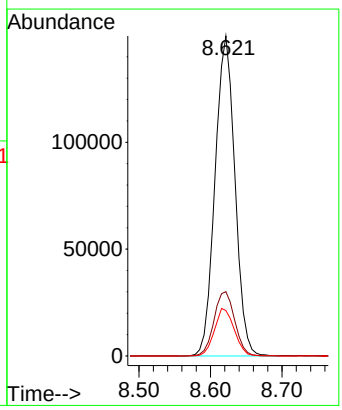


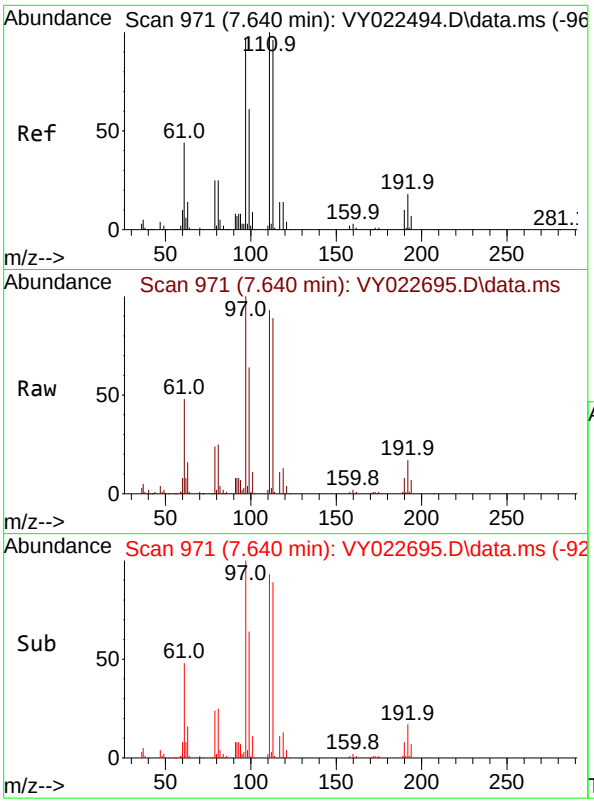


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:114 Resp: 289069

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.8
88	14.2	0.0	27.8



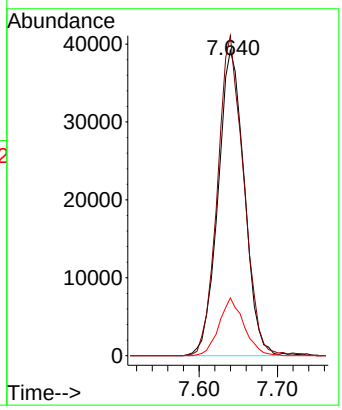


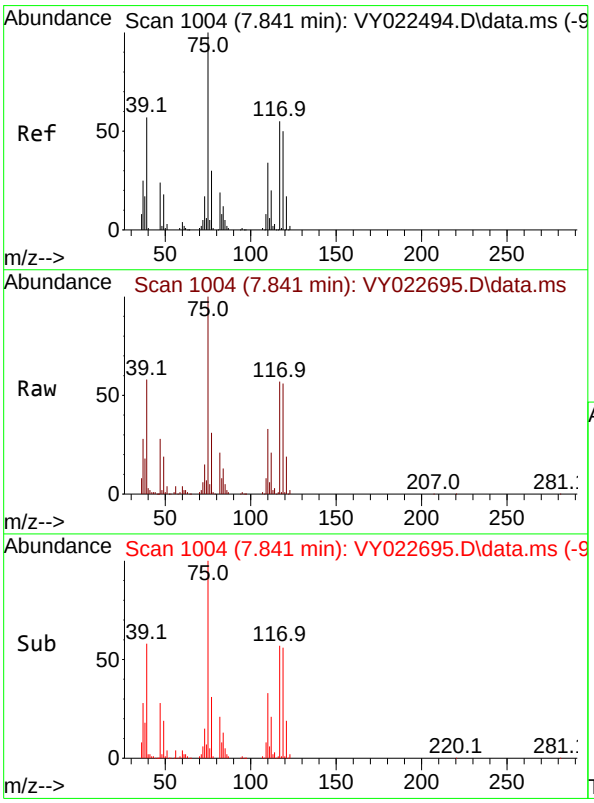
#35
Dibromofluoromethane
Concen: 53.004 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 91453

Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.1	121.7
192	17.9	14.2	21.2

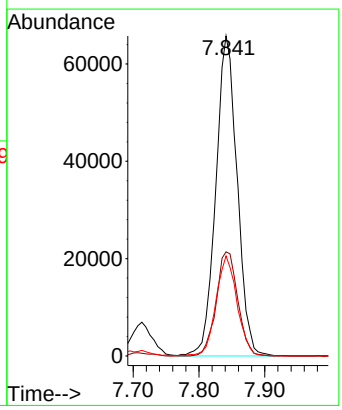


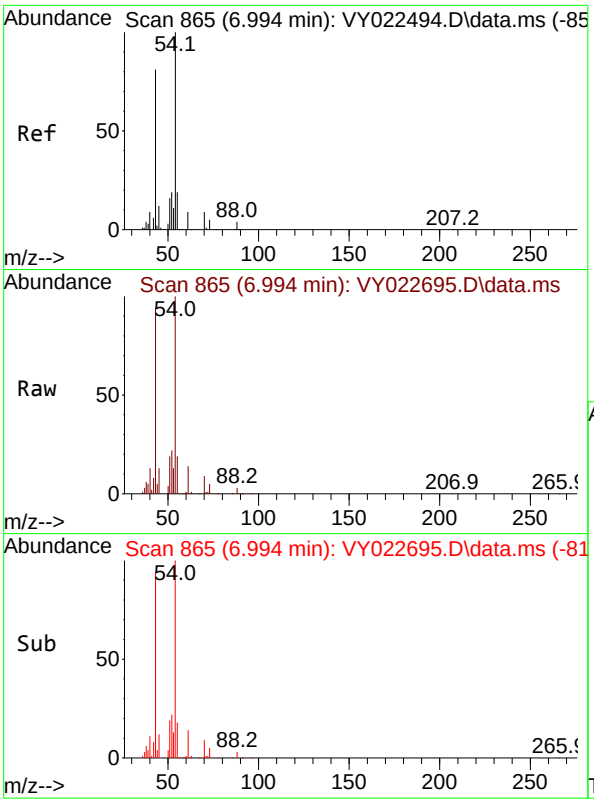


#36
1,1-Dichloropropene
Concen: 53.025 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 75 Resp: 148488

Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.9	50.7
77	30.9	24.8	37.2



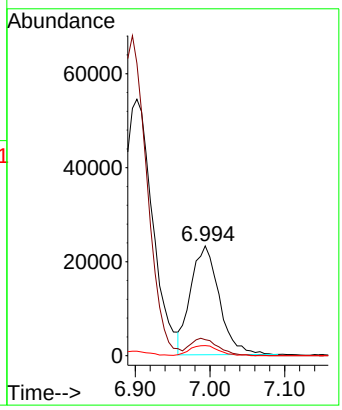


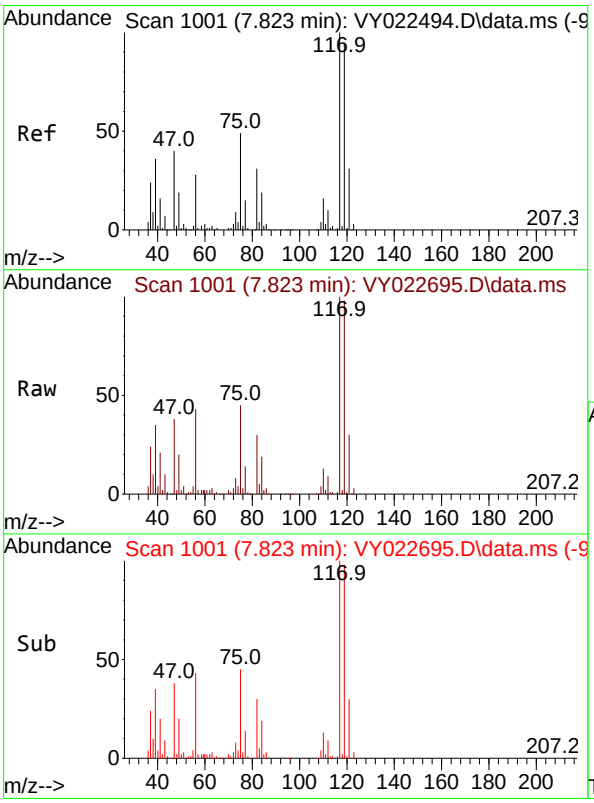
#37
Ethyl Acetate
Concen: 49.193 ug/l
RT: 6.994 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 61433

Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.5	17.3
70	9.5	7.2	10.8

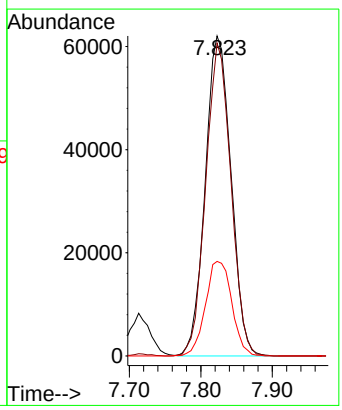


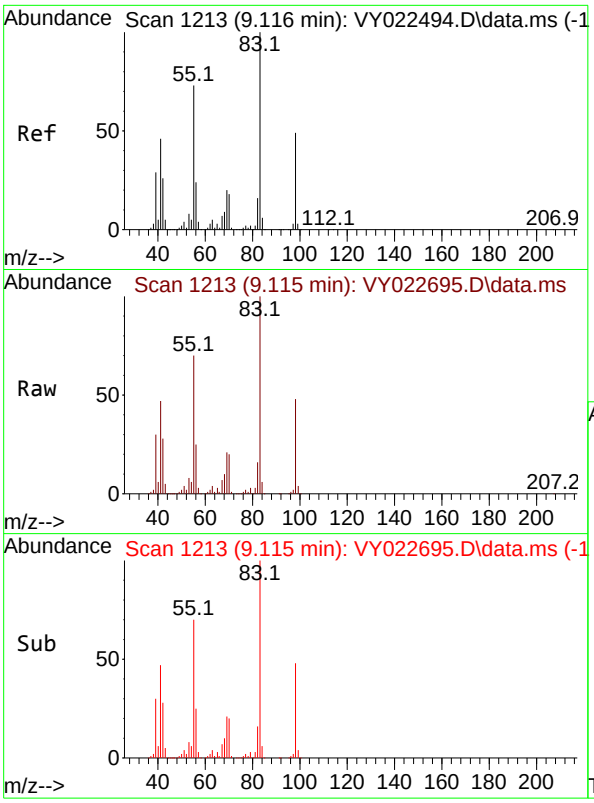


#38
Carbon Tetrachloride
Concen: 54.143 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:117 Resp: 155538

Ion	Ratio	Lower	Upper
117	100		
119	97.8	75.0	112.6
121	29.5	25.0	37.4



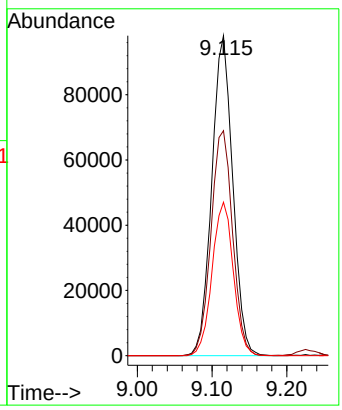


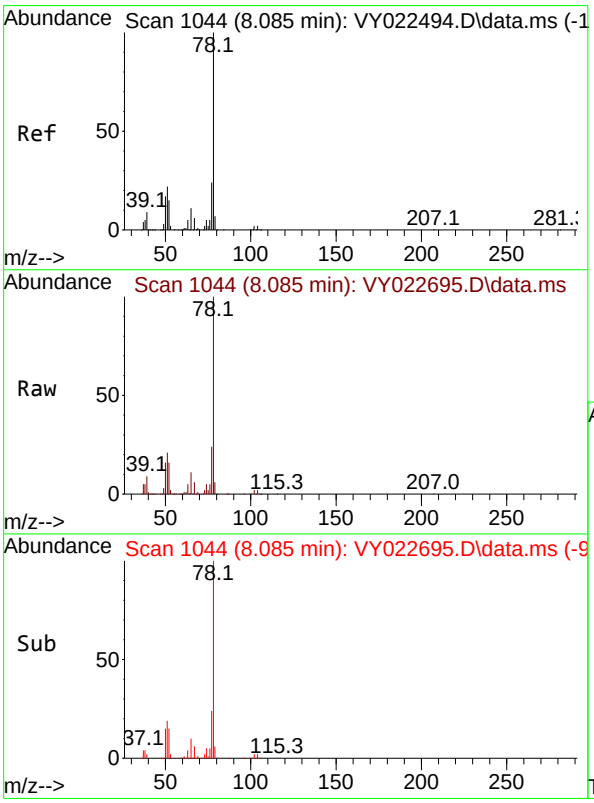
#39
Methylcyclohexane
Concen: 50.734 ug/l
RT: 9.115 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 190922

Ion	Ratio	Lower	Upper
83	100		
55	70.3	58.1	87.1
98	48.0	39.0	58.6

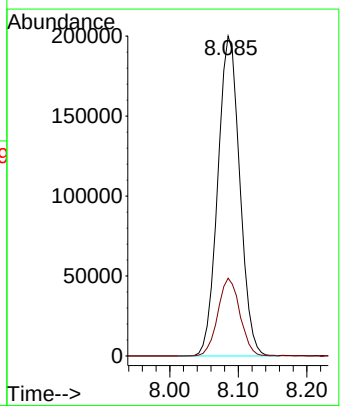


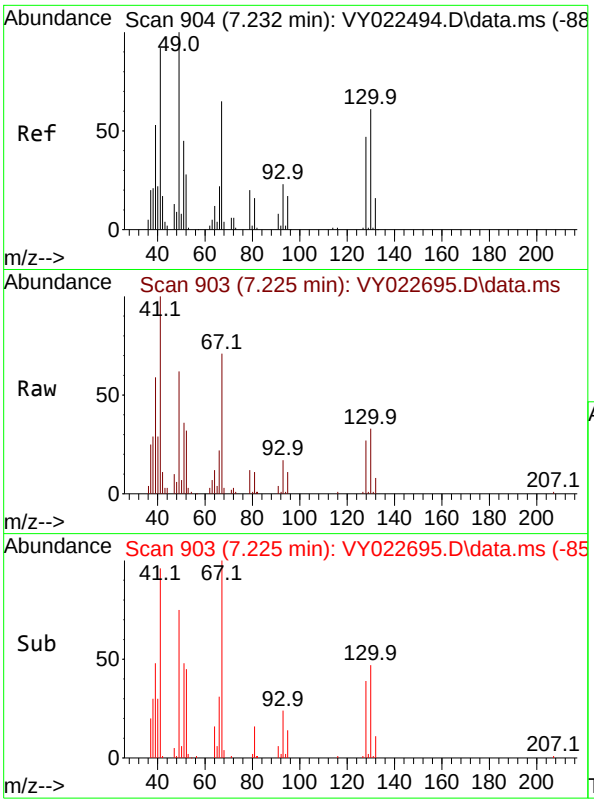


#40
Benzene
Concen: 53.785 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 78 Resp: 444852

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.3	28.9



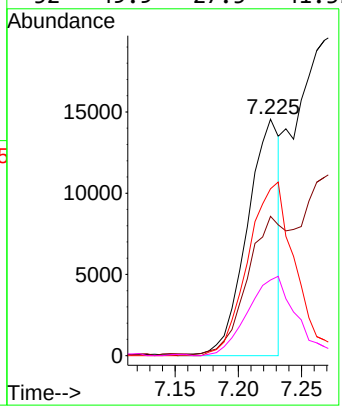


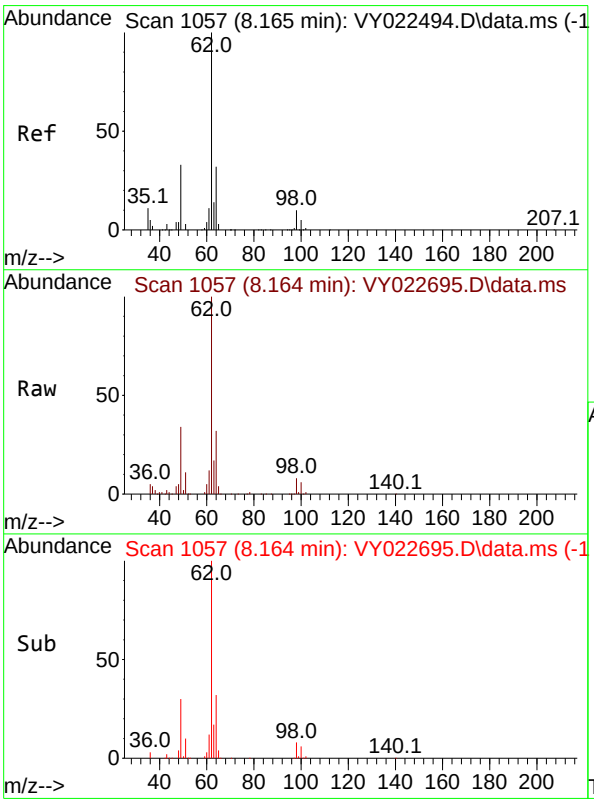
#41
Methacrylonitrile
Concen: 35.625 ug/l
RT: 7.225 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 25986

Ion	Ratio	Lower	Upper
41	100		
39	68.9	46.6	69.8
67	106.6	63.3	94.9#
52	49.9	27.5	41.3#

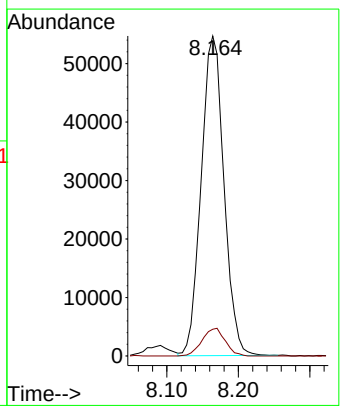


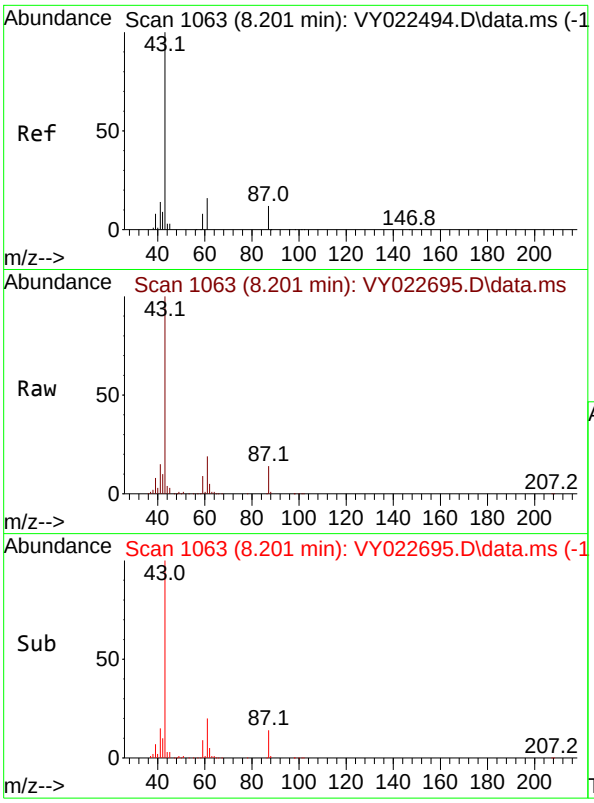


#42
1,2-Dichloroethane
Concen: 53.518 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 62 Resp: 120862

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	19.2



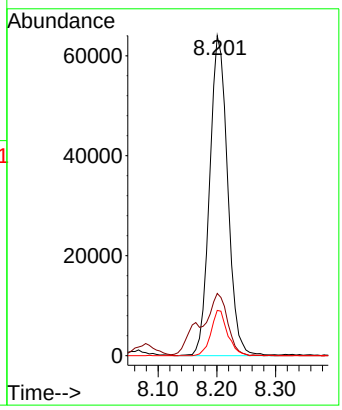


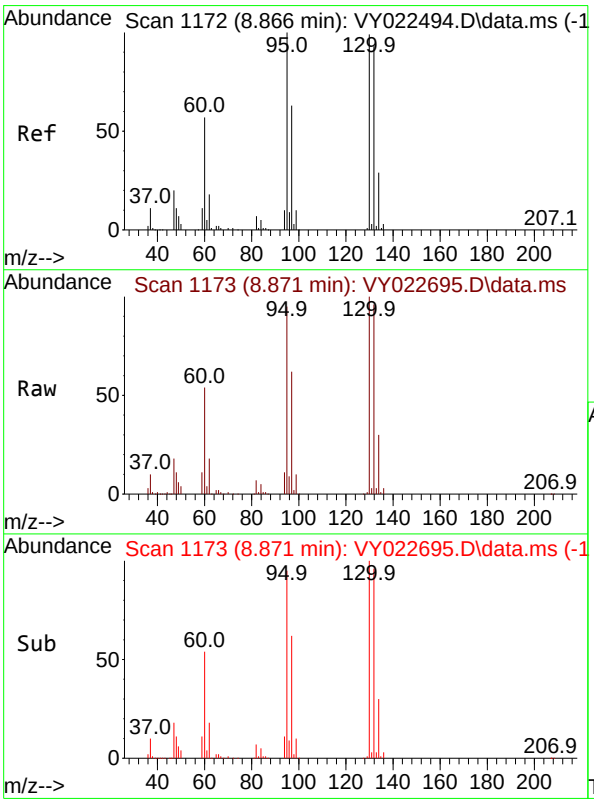
#43
Isopropyl Acetate
Concen: 50.490 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 136175

Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.6	23.4
87	13.1	10.2	15.4

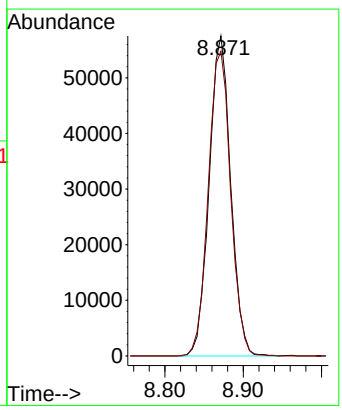


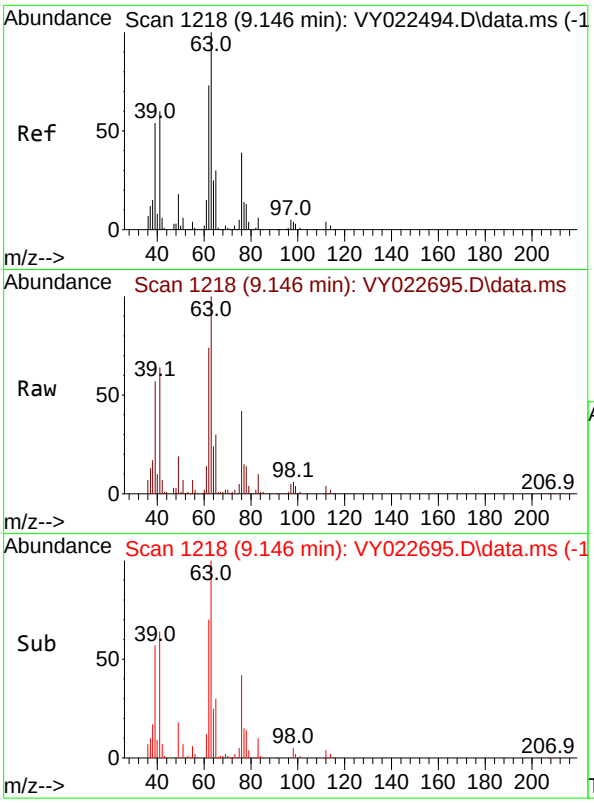


#44
Trichloroethene
Concen: 54.378 ug/l
RT: 8.871 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:130 Resp: 109923

Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	203.0



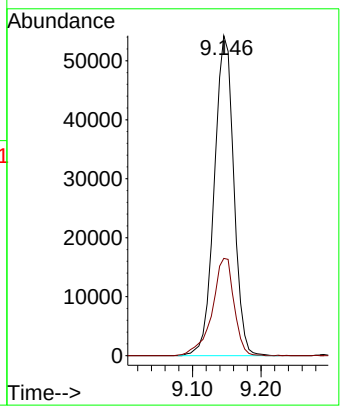


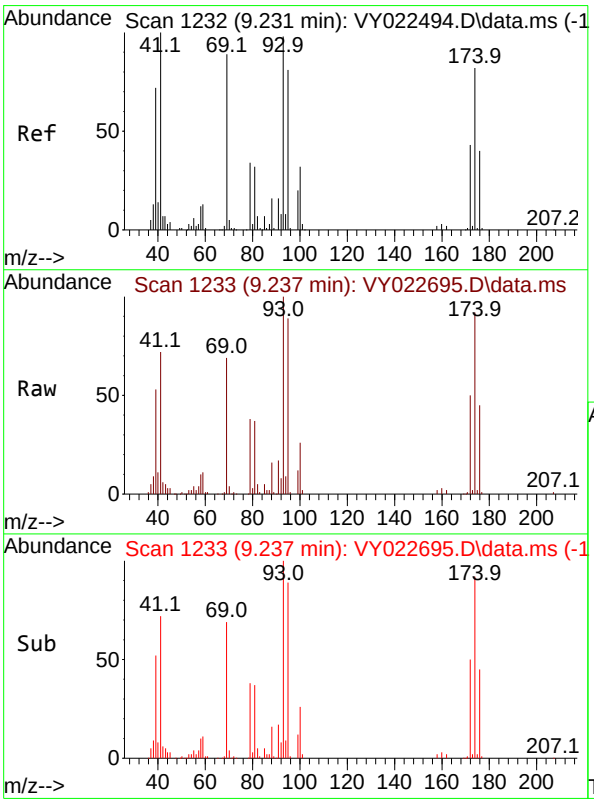
#45
1,2-Dichloropropane
Concen: 54.586 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 106699

Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.0	36.0

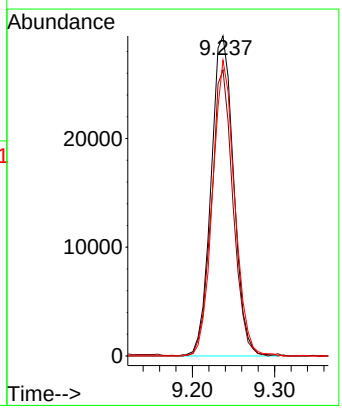


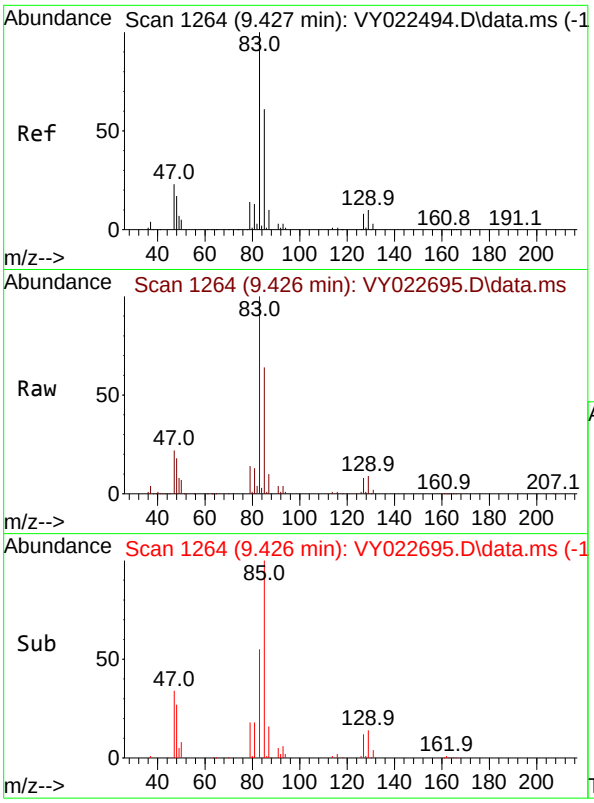


#46
Dibromomethane
Concen: 51.221 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 93 Resp: 56327

Ion	Ratio	Lower	Upper
93	100		
95	85.5	65.6	98.4
174	90.0	70.4	105.6



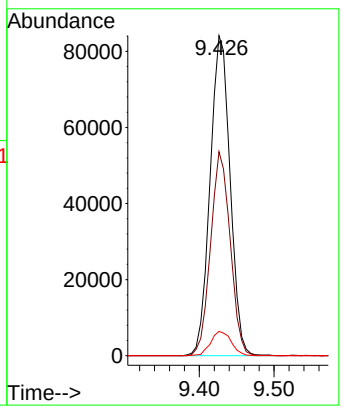


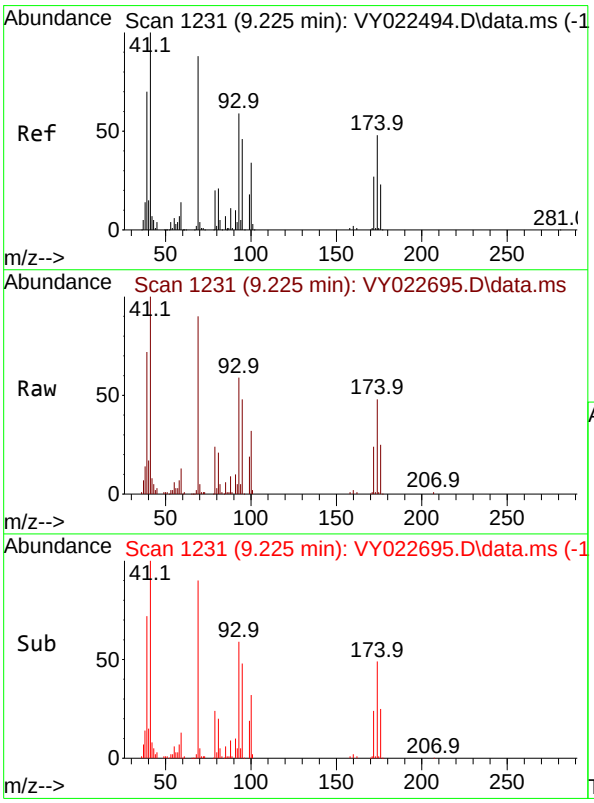
#47
Bromodichloromethane
Concen: 56.070 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 156346

Ion	Ratio	Lower	Upper
83	100		
85	63.8	49.1	73.7
127	7.6	6.2	9.4

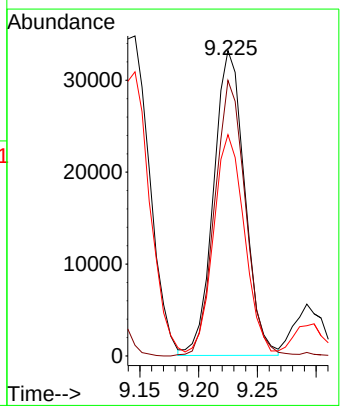


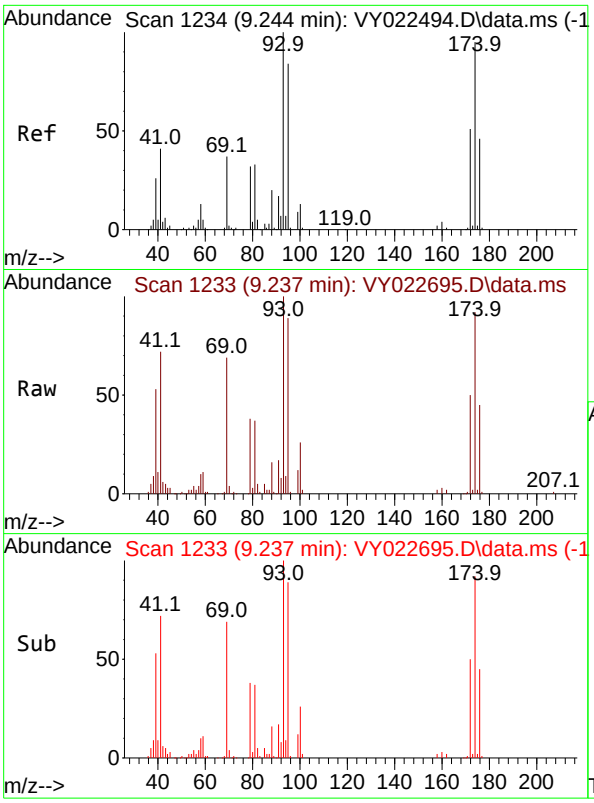


#48
Methyl methacrylate
Concen: 48.272 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 41 Resp: 61103

Ion	Ratio	Lower	Upper
41	100		
69	89.0	67.8	101.8
39	70.2	55.0	82.4



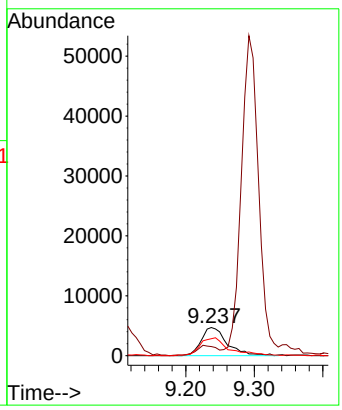


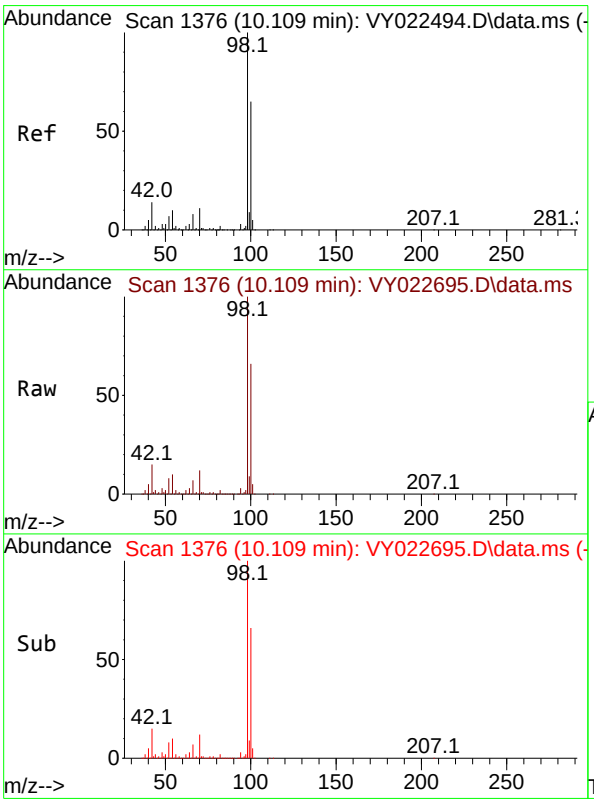
#49
1,4-Dioxane
Concen: 953.015 ug/l
RT: 9.237 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 12416

Ion	Ratio	Lower	Upper
88	100		
43	29.0	25.4	38.2
58	71.0	54.9	82.3

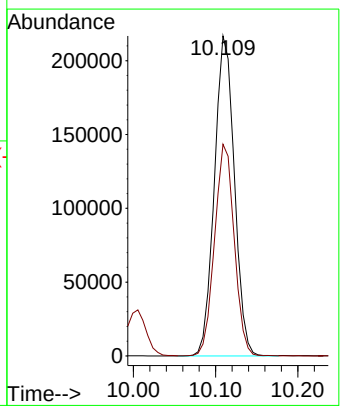


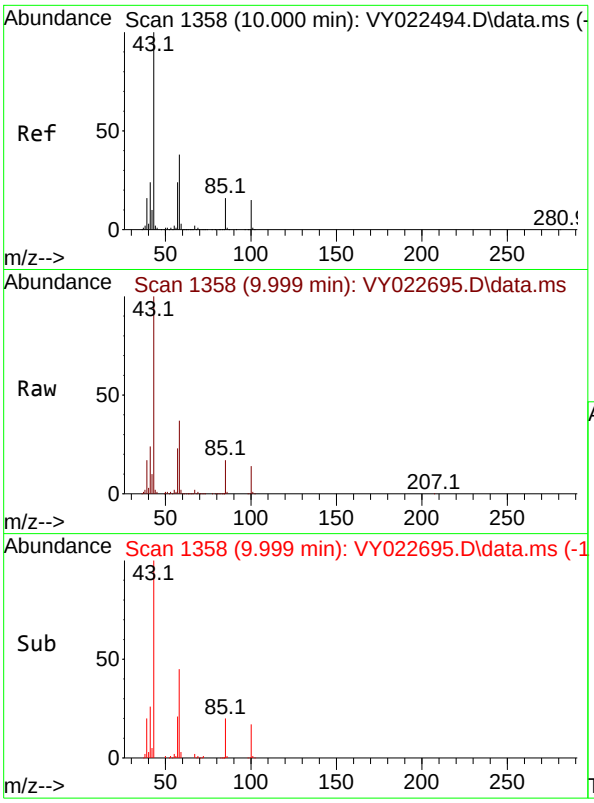


#50
Toluene-d8
Concen: 52.532 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 98 Resp: 366240

Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.4	77.0



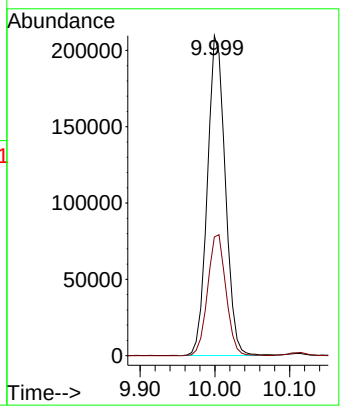


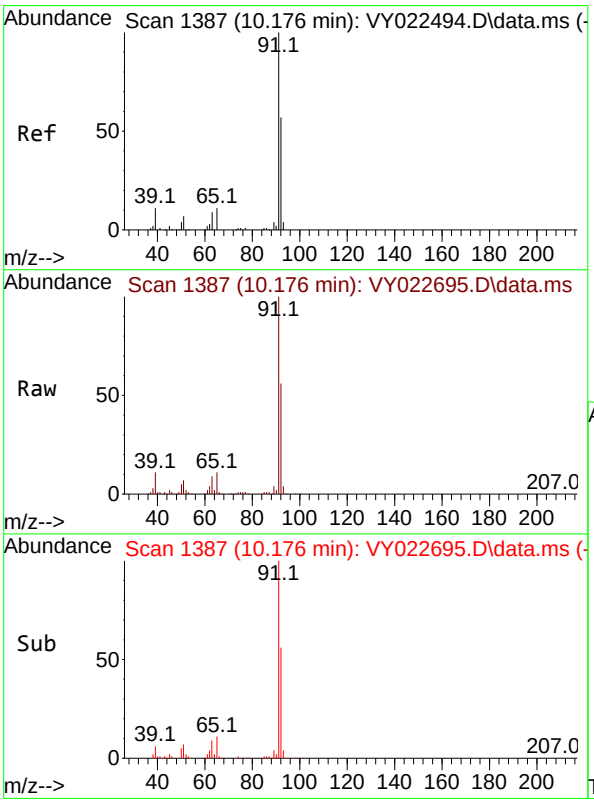
#51
4-Methyl-2-Pentanone
Concen: 259.021 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 348299

Ion	Ratio	Lower	Upper
43	100		
58	38.9	30.4	45.6

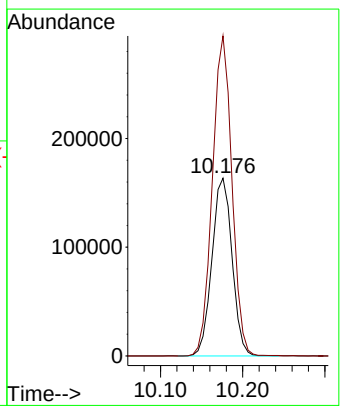


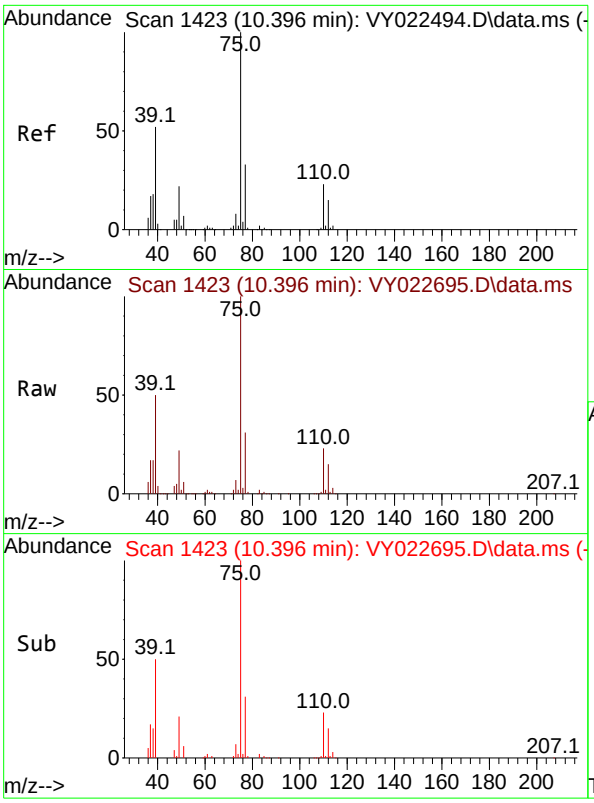


#52
Toluene
Concen: 53.455 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 92 Resp: 277847

Ion	Ratio	Lower	Upper
92	100		
91	175.0	139.0	208.4



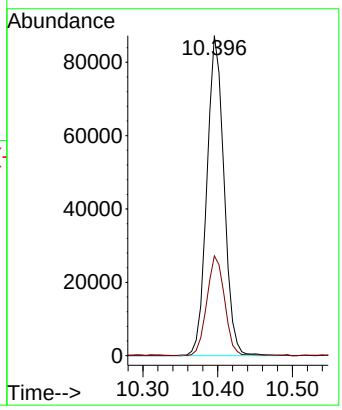


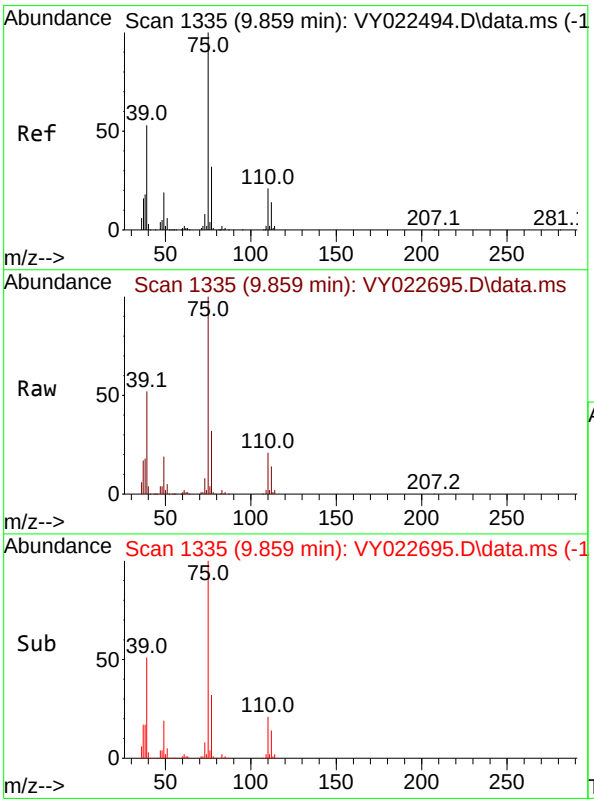
#53
t-1,3-Dichloropropene
Concen: 53.075 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 138667

Ion	Ratio	Lower	Upper
75	100		
77	31.1	26.5	39.7

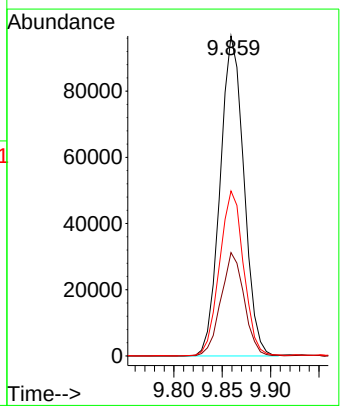


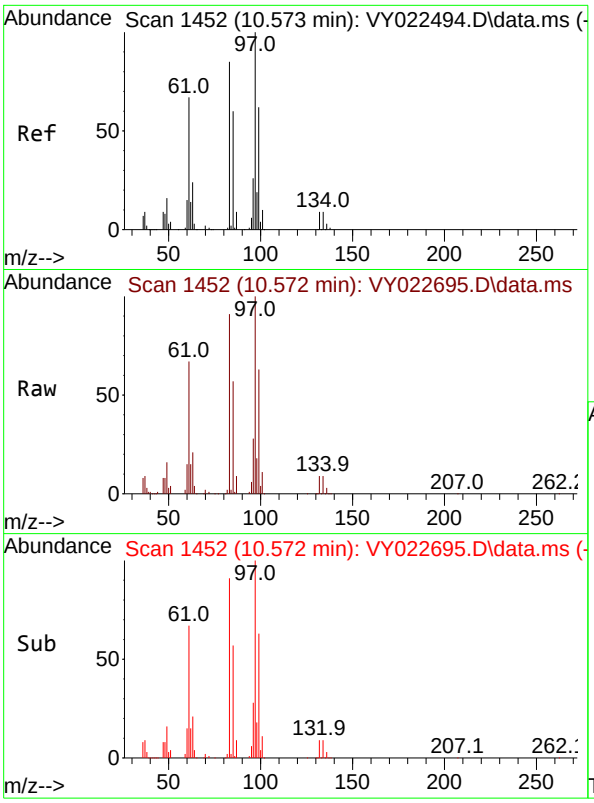


#54
cis-1,3-Dichloropropene
Concen: 54.182 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 75 Resp: 164783

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.3	37.9
39	51.5	42.7	64.1



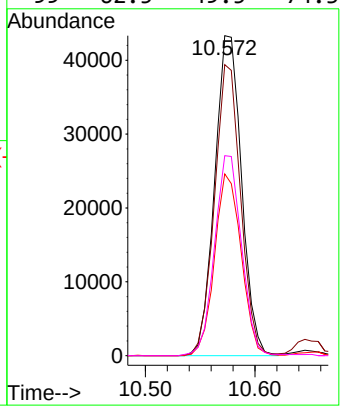


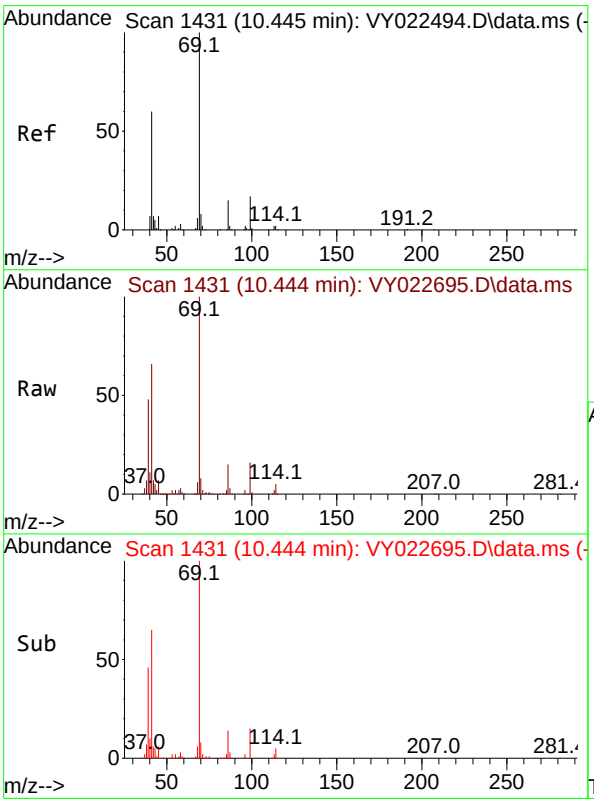
#55
1,1,2-Trichloroethane
Concen: 52.659 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 73841

Ion	Ratio	Lower	Upper
97	100		
83	91.0	68.1	102.1
85	56.8	48.2	72.2
99	62.5	49.5	74.3

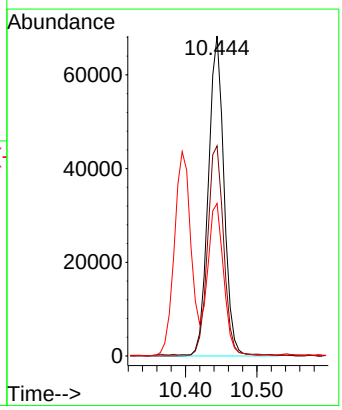


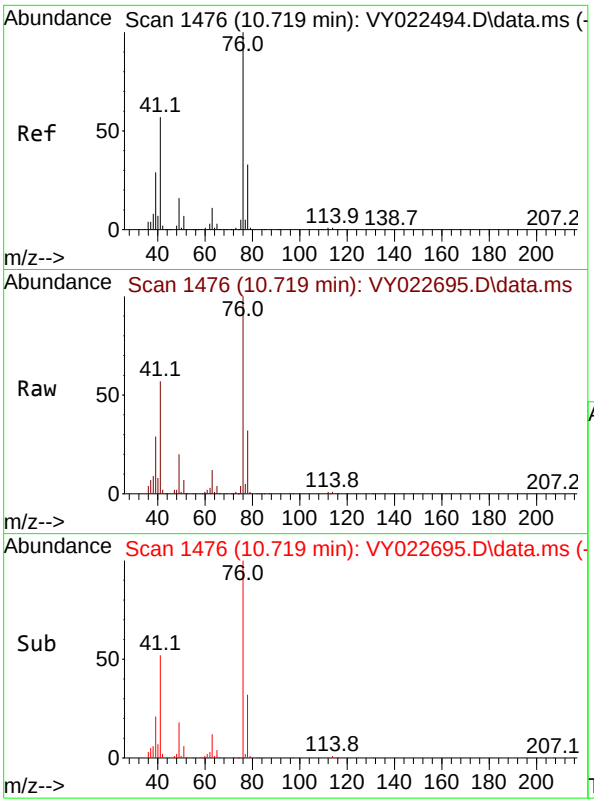


#56
Ethyl methacrylate
Concen: 51.277 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 69 Resp: 103924

Ion	Ratio	Lower	Upper
69	100		
41	66.3	52.2	78.2
39	48.1	36.7	55.1



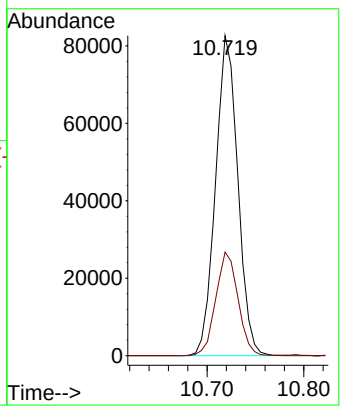


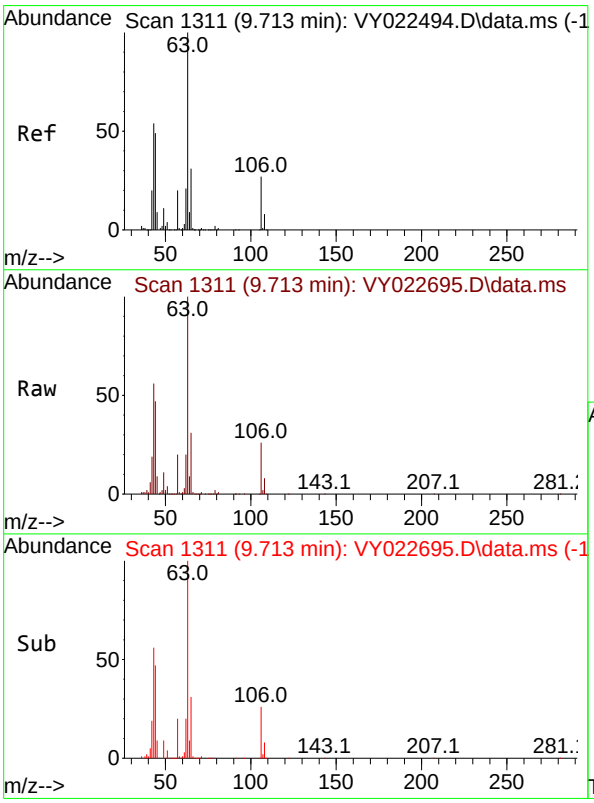
#57
1,3-Dichloropropane
Concen: 53.110 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 131996

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

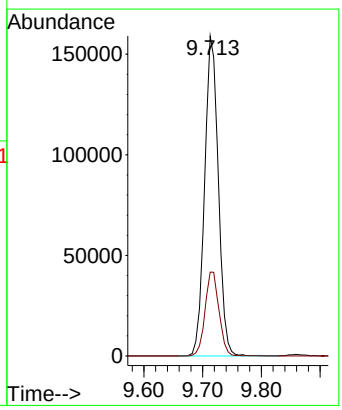


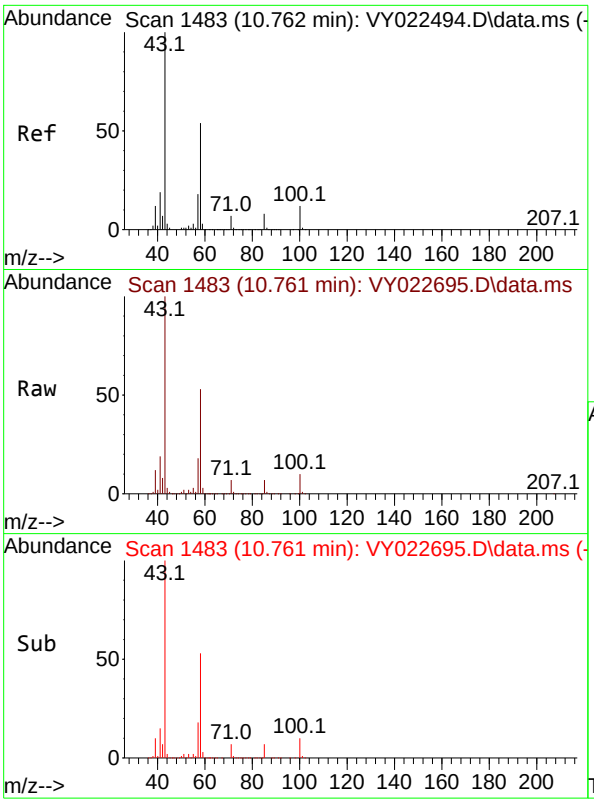


#58
2-Chloroethyl Vinyl ether
Concen: 280.349 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 63 Resp: 257969

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.6	32.4



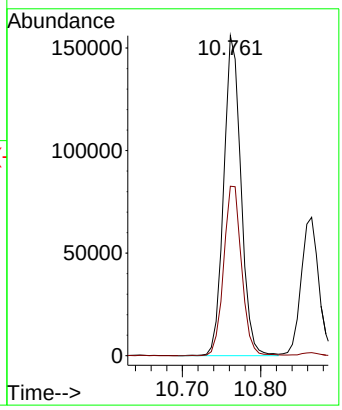


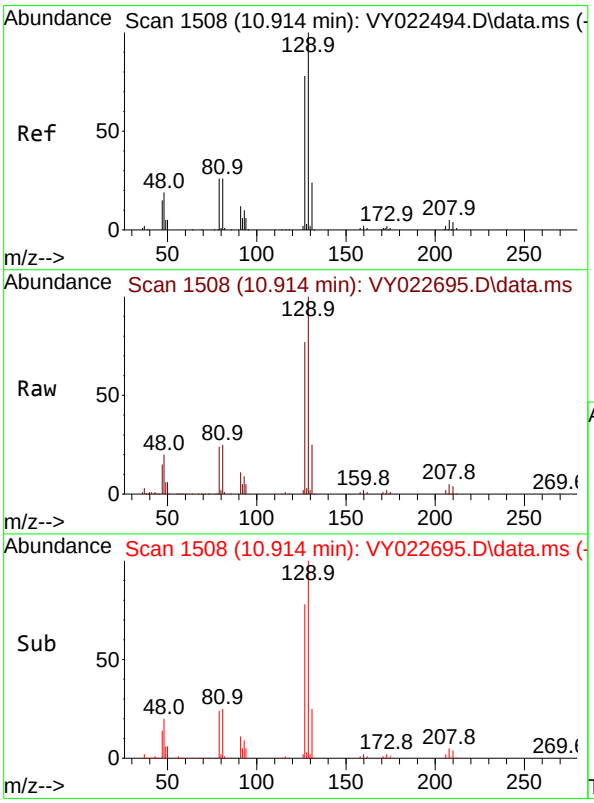
#59
2-Hexanone
Concen: 265.800 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 239036

Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.3	81.8

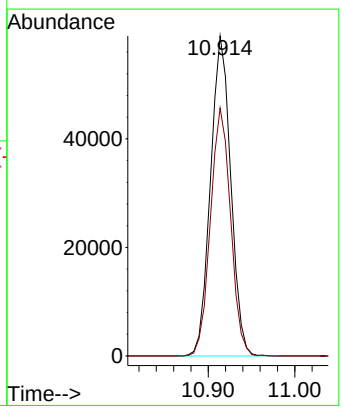


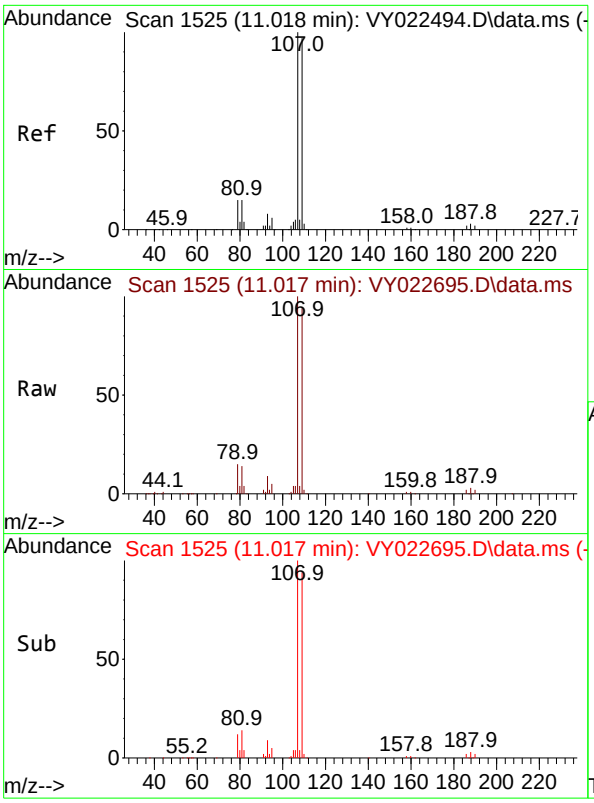


#60
Dibromochloromethane
Concen: 53.703 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:129 Resp: 95700

Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.1	117.2



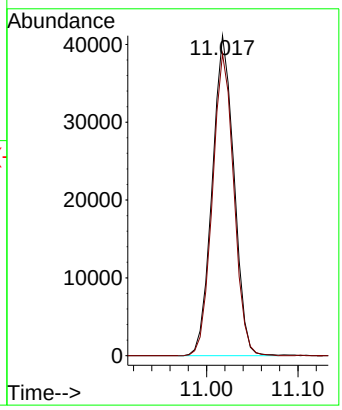


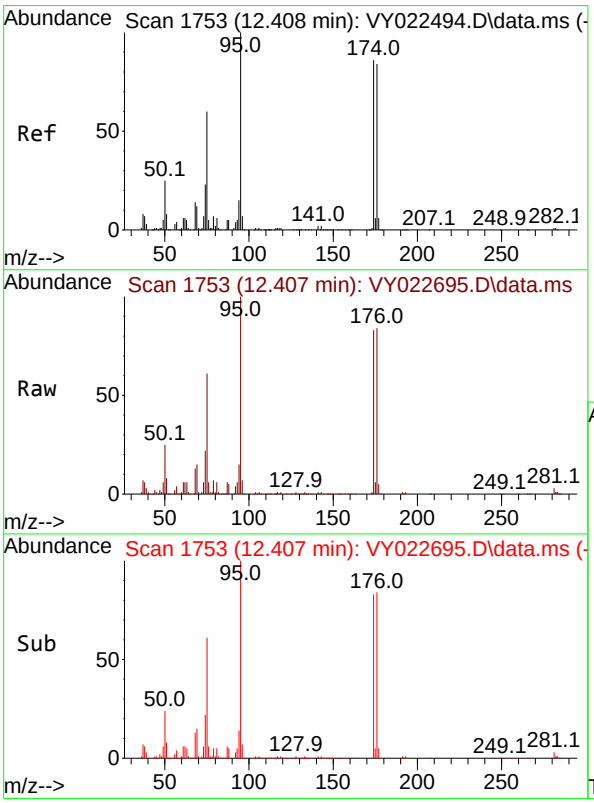
#61
1,2-Dibromoethane
Concen: 53.207 ug/l
RT: 11.017 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 68002

Ion	Ratio	Lower	Upper
107	100		
109	92.6	77.7	116.5

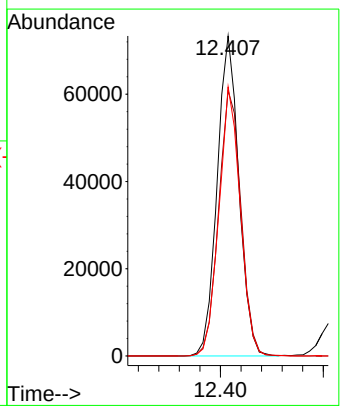


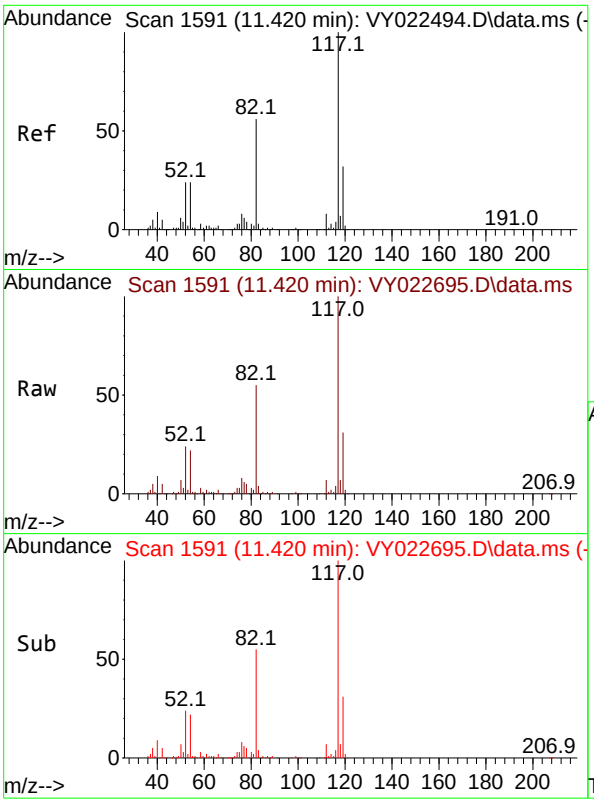


#62
4-Bromofluorobenzene
Concen: 51.786 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 95 Resp: 107571

Ion	Ratio	Lower	Upper
95	100		
174	85.3	0.0	170.0
176	82.5	0.0	166.2



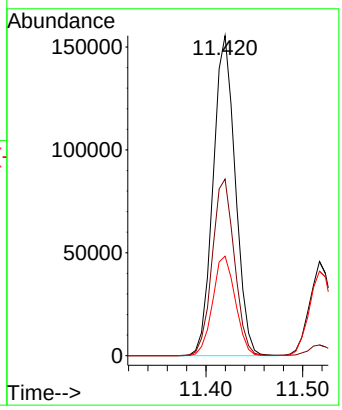


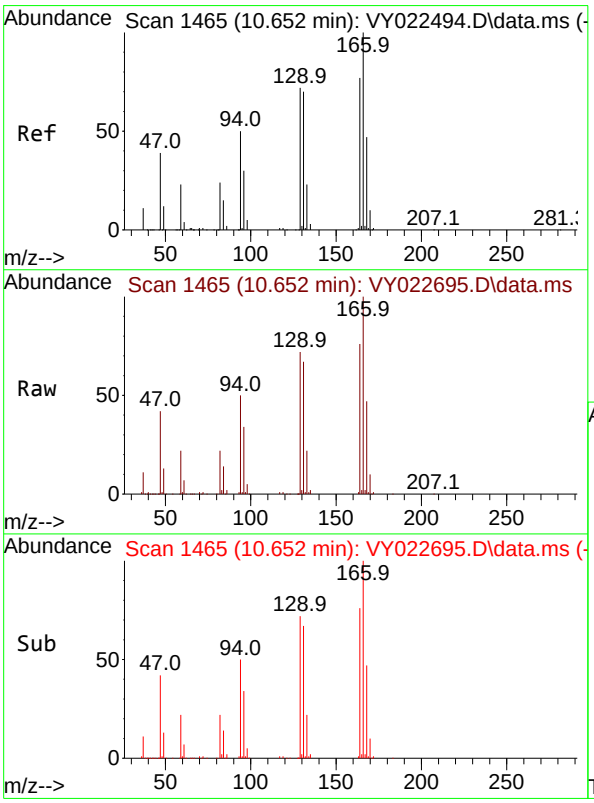
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 247096

Ion	Ratio	Lower	Upper
117	100		
82	55.2	44.6	66.8
119	31.1	25.4	38.0

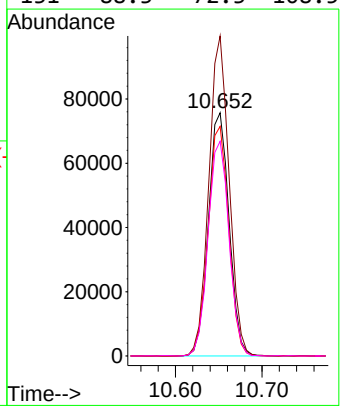


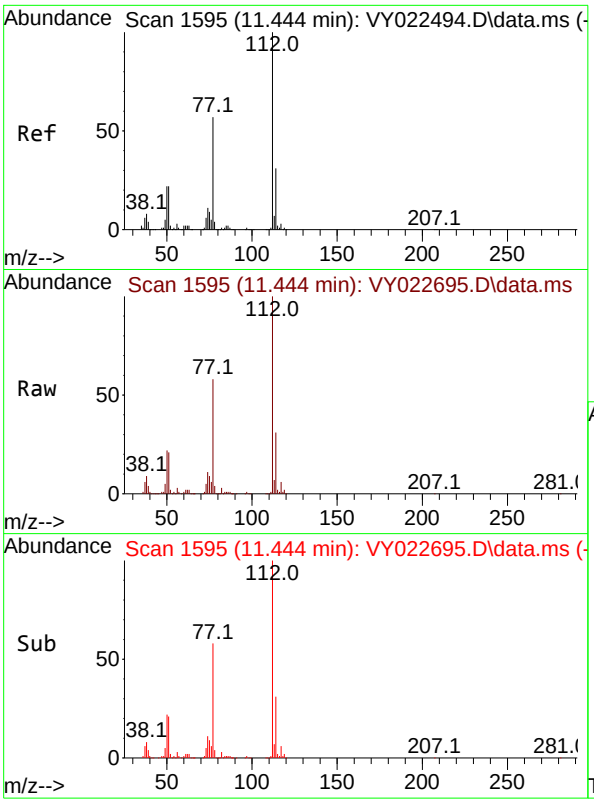


#64
Tetrachloroethene
Concen: 59.140 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:164 Resp: 125705

Ion	Ratio	Lower	Upper
164	100		
166	131.6	104.0	156.0
129	94.5	74.5	111.7
131	88.3	72.3	108.5



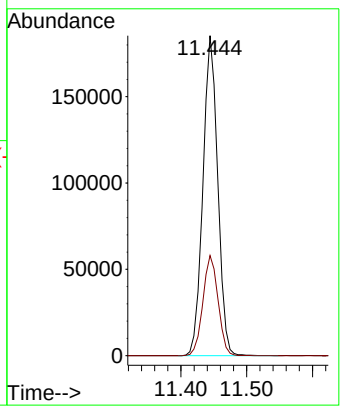


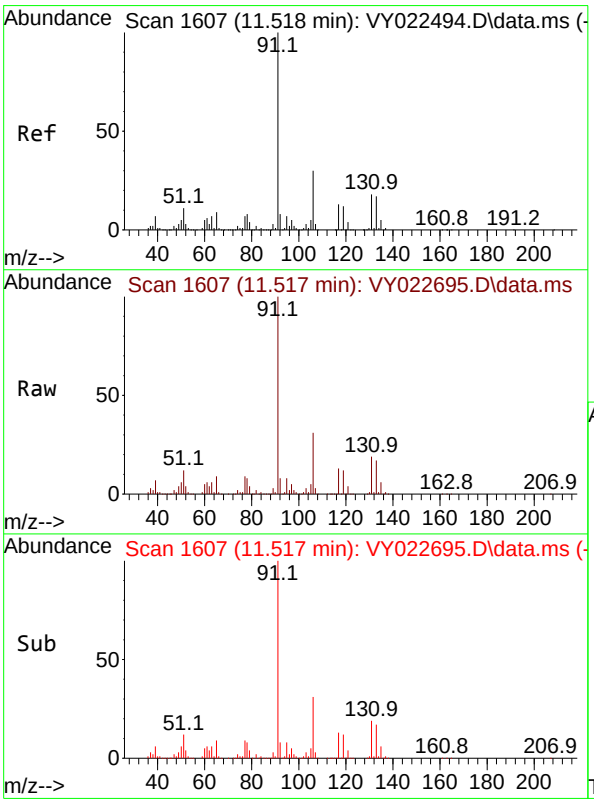
#65
Chlorobenzene
Concen: 52.982 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 289700

Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.0	37.6

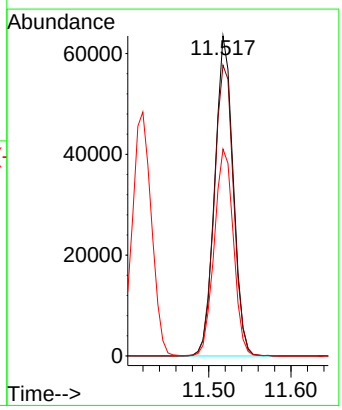


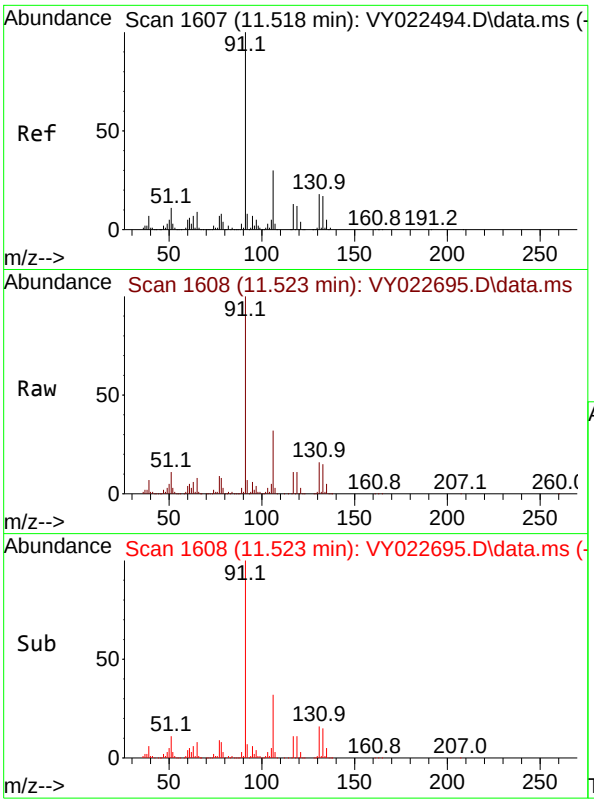


#66
1,1,1,2-Tetrachloroethane
Concen: 53.599 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:131 Resp: 98730

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.3	141.8
119	67.4	33.1	99.3



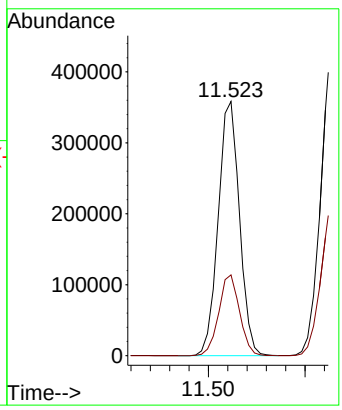


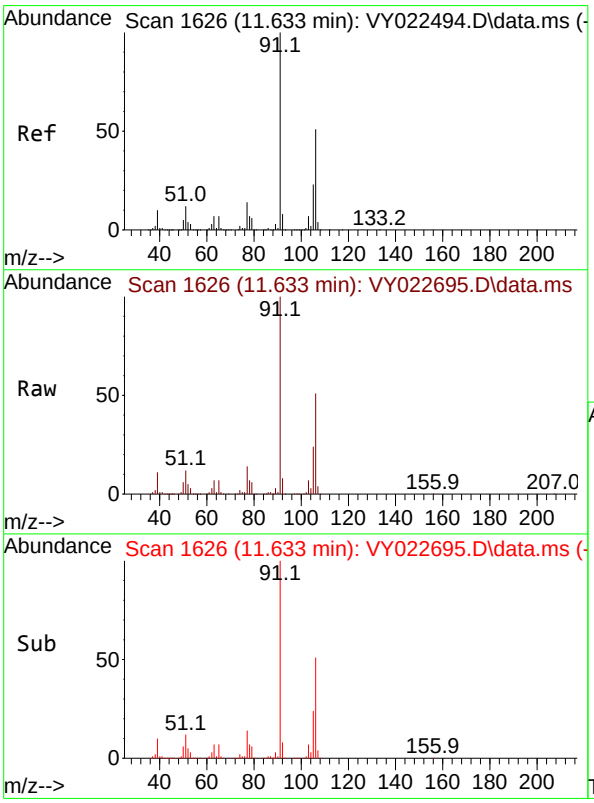
#67
Ethyl Benzene
Concen: 53.780 ug/l
RT: 11.523 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 545428

Ion	Ratio	Lower	Upper
91	100		
106	31.8	24.2	36.4

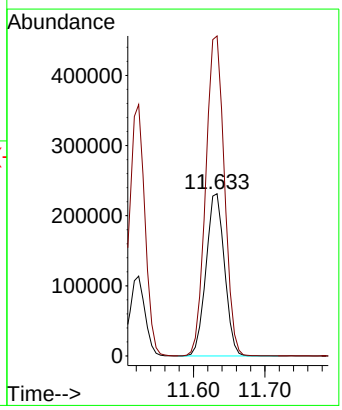


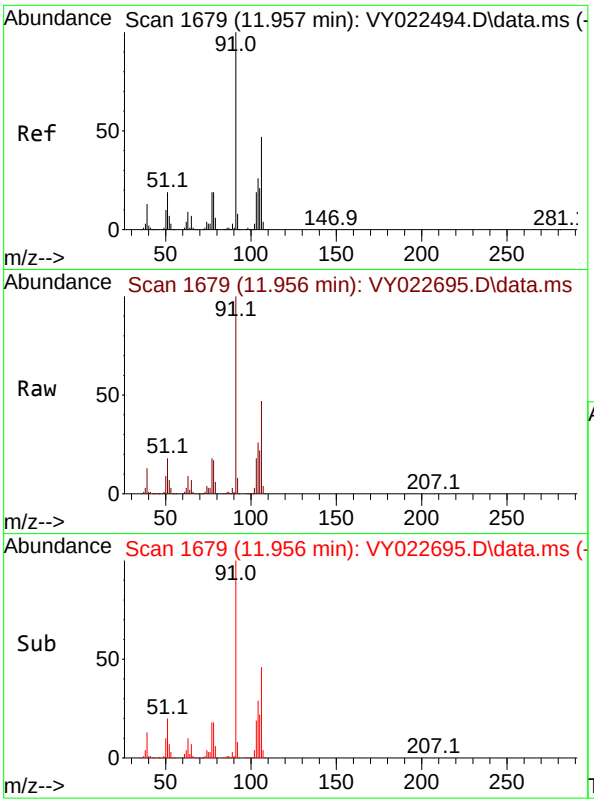


#68
m/p-Xylenes
Concen: 107.748 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:106 Resp: 414254

Ion	Ratio	Lower	Upper
106	100		
91	199.3	159.4	239.0



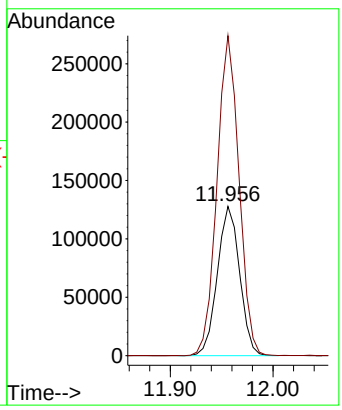


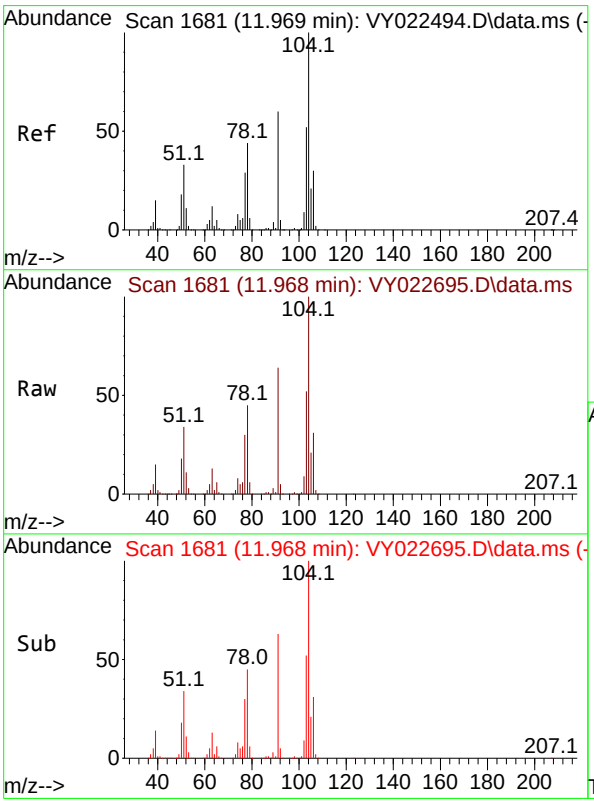
#69
o-Xylene
Concen: 53.302 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 192134

Ion	Ratio	Lower	Upper
106	100		
91	212.3	105.8	317.3

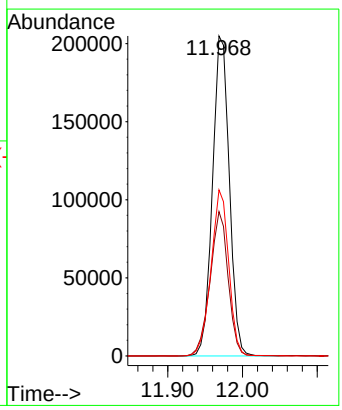


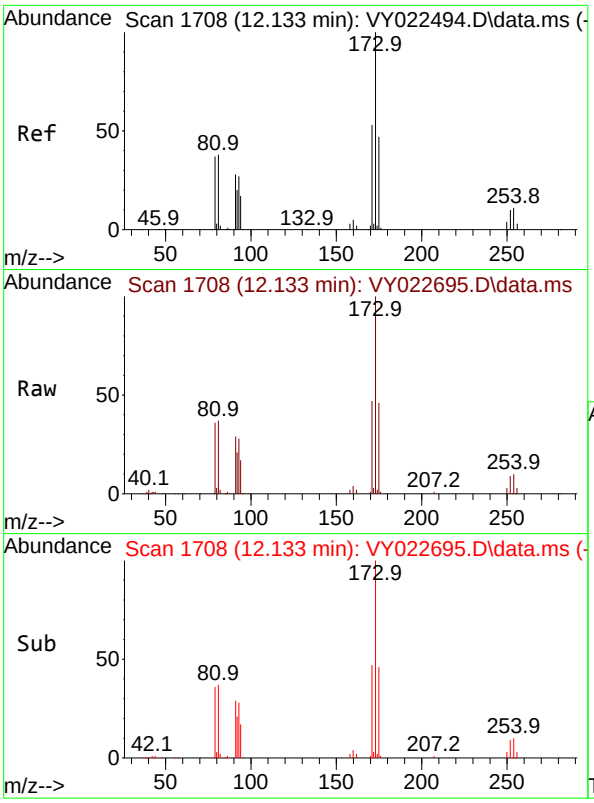


#70
Styrene
Concen: 53.948 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:104 Resp: 321446

Ion	Ratio	Lower	Upper
104	100		
78	48.5	39.5	59.3
103	54.8	44.1	66.1



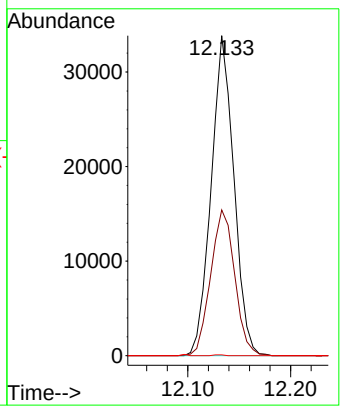


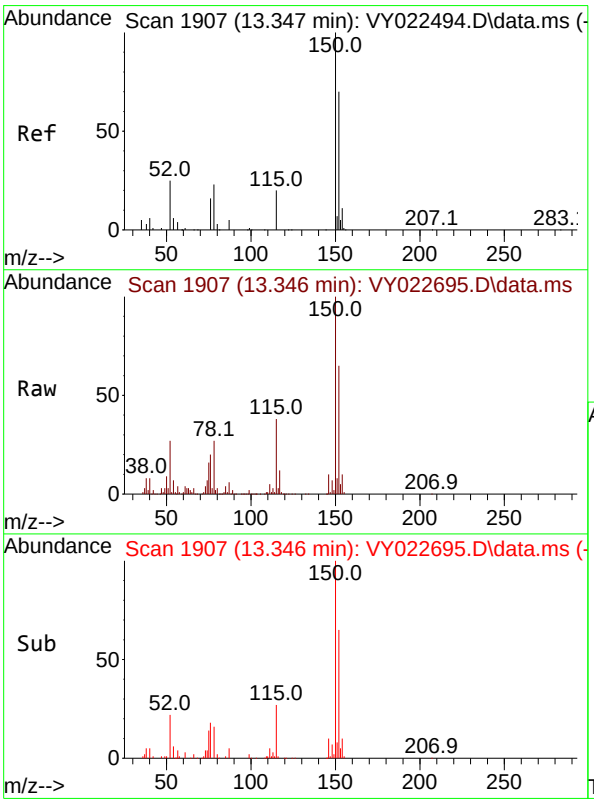
#71
Bromoform
Concen: 53.026 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 51977

Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.8	71.5
254	0.1	0.0	0.0#

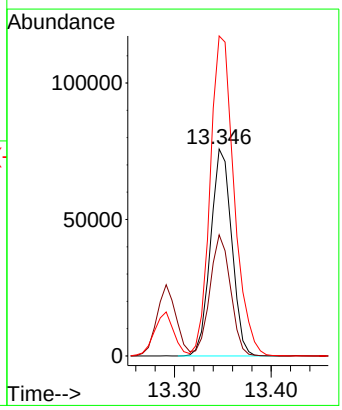


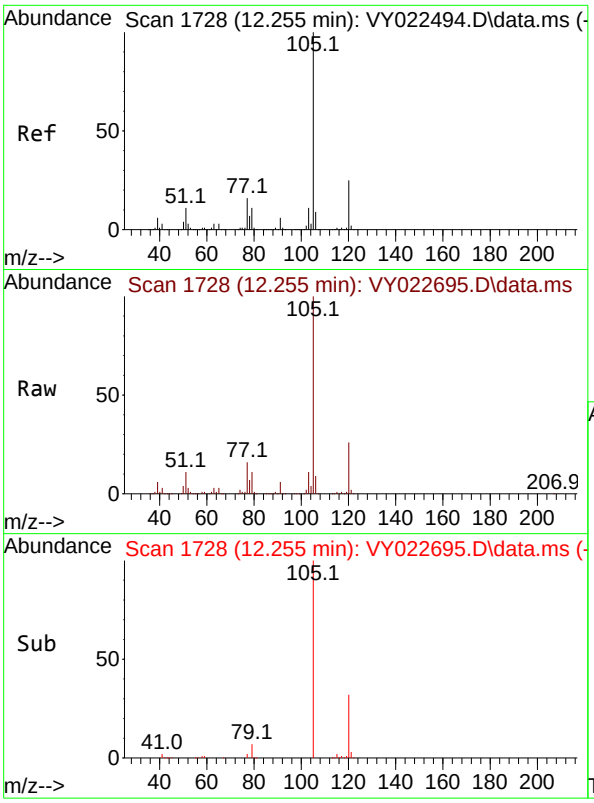


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:152 Resp: 115228

Ion	Ratio	Lower	Upper
152	100		
115	57.2	28.9	86.7
150	174.8	0.0	349.6



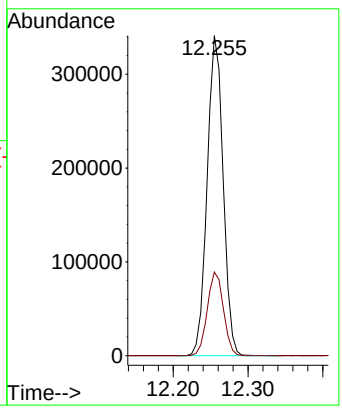


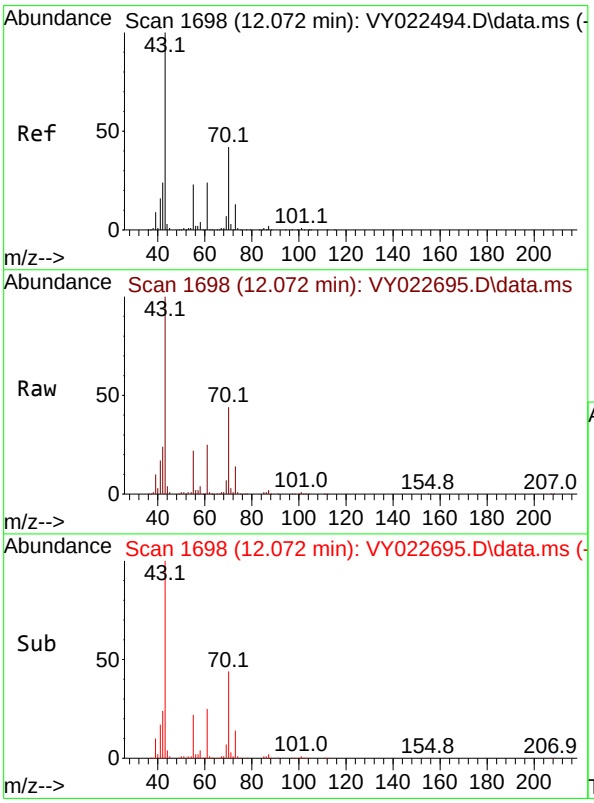
#73
Isopropylbenzene
Concen: 53.555 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 506645

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.0	38.9

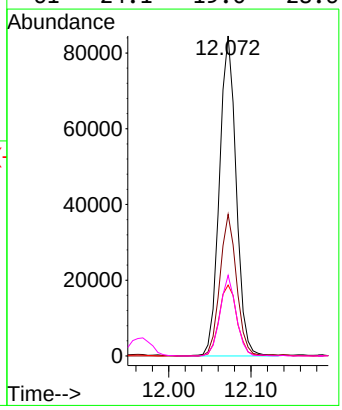


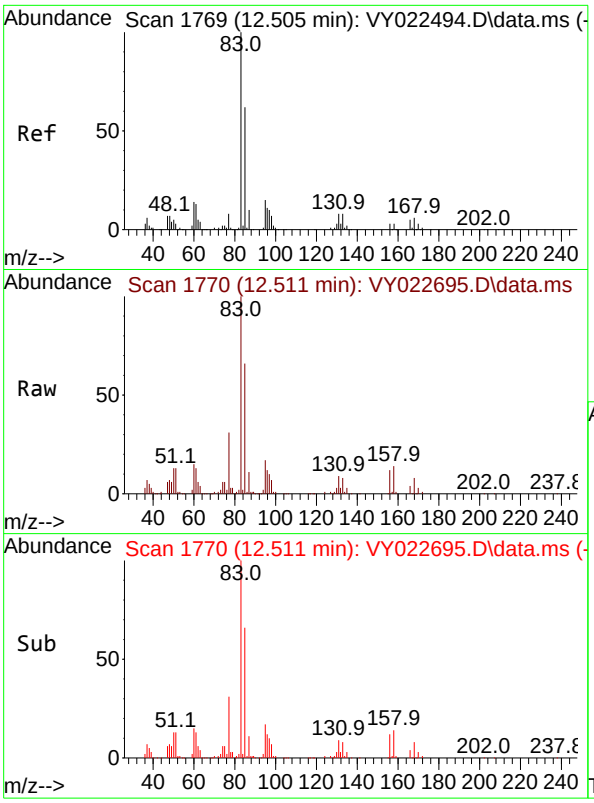


#74
N-amyl acetate
Concen: 50.251 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 43 Resp: 119948

Ion	Ratio	Lower	Upper
43	100		
70	44.1	34.2	51.2
55	23.6	18.2	27.4
61	24.1	19.0	28.6



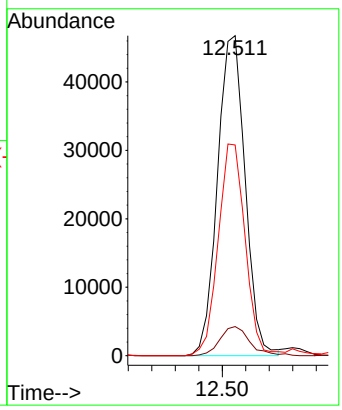


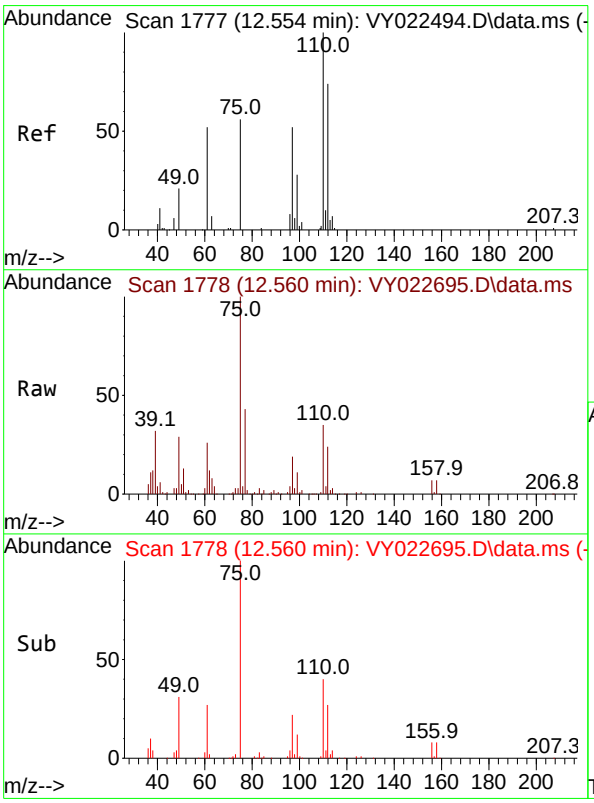
#75
1,1,2,2-Tetrachloroethane
Concen: 49.254 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 76474

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	64.6	32.6	97.8

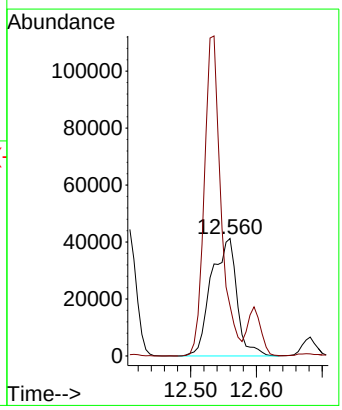


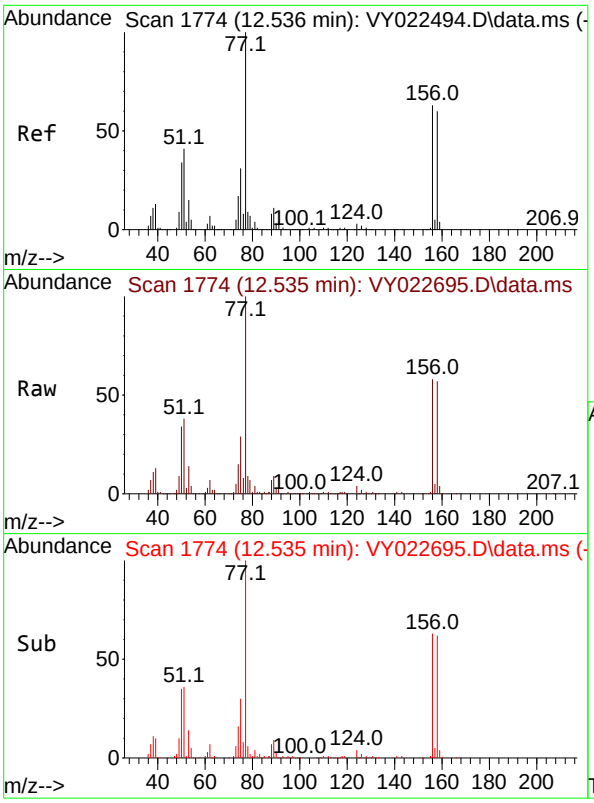


#76
1,2,3-Trichloropropane
Concen: 84.979 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 75 Resp: 112024

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



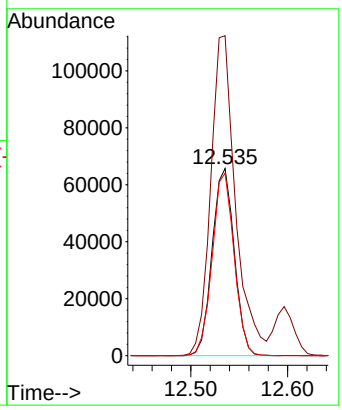


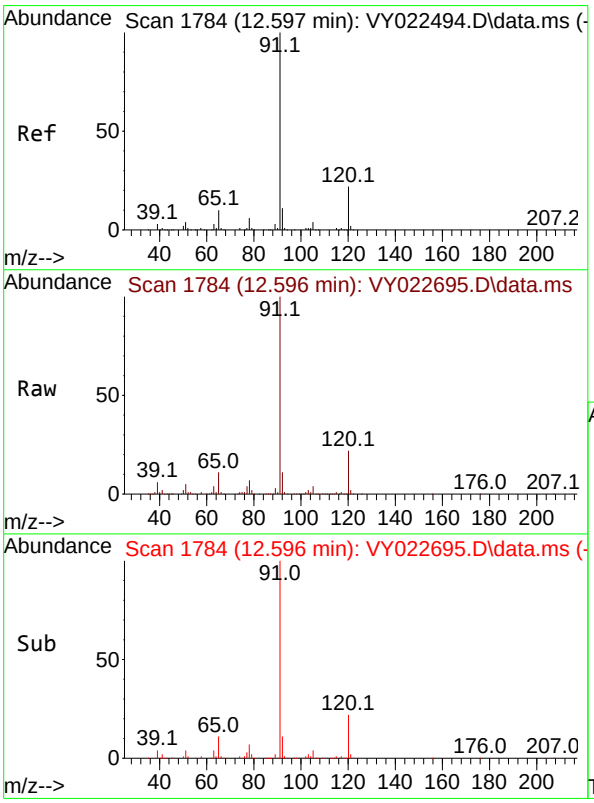
#77
Bromobenzene
Concen: 52.278 ug/l
RT: 12.535 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 104365

Ion	Ratio	Lower	Upper
156	100		
77	192.0	94.0	282.1
158	96.5	48.2	144.6

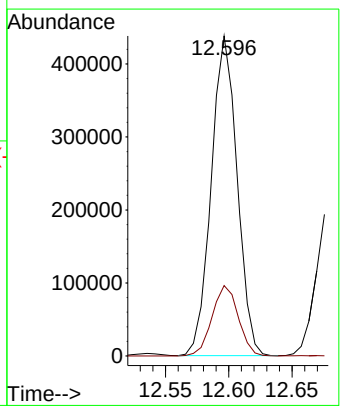


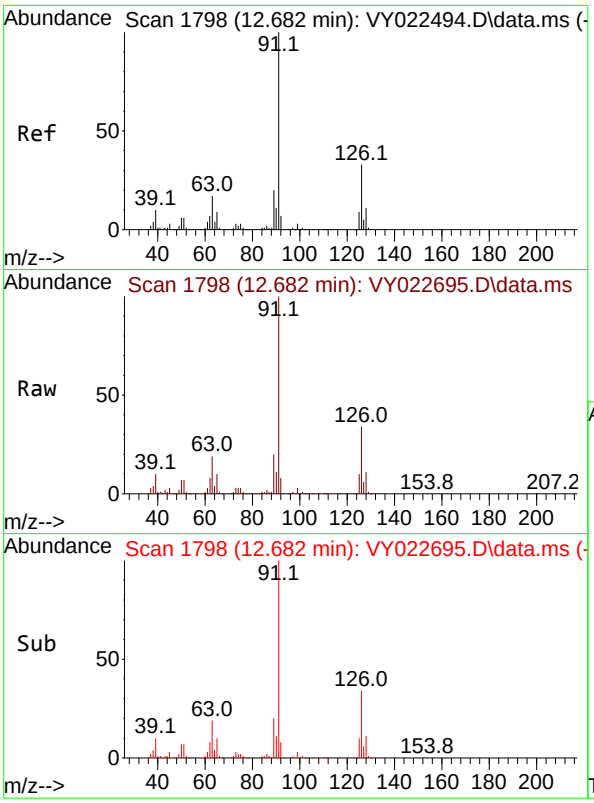


#78
n-propylbenzene
Concen: 53.995 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 91 Resp: 623894

Ion	Ratio	Lower	Upper
91	100		
120	22.2	10.8	32.4



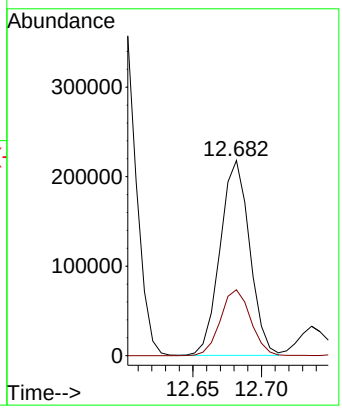


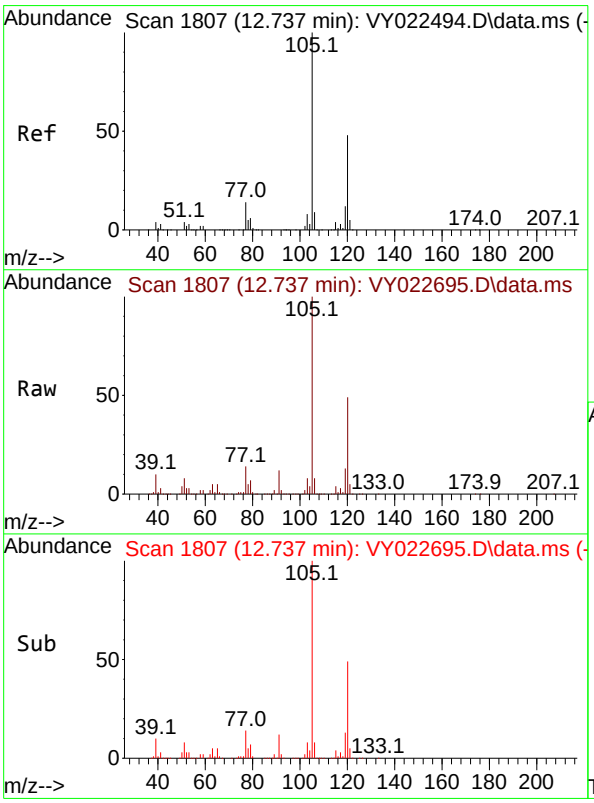
#79
2-Chlorotoluene
Concen: 53.402 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 327036

Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.0	51.0

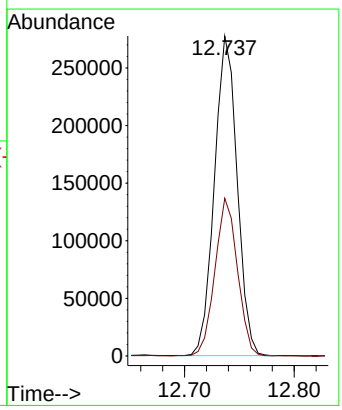


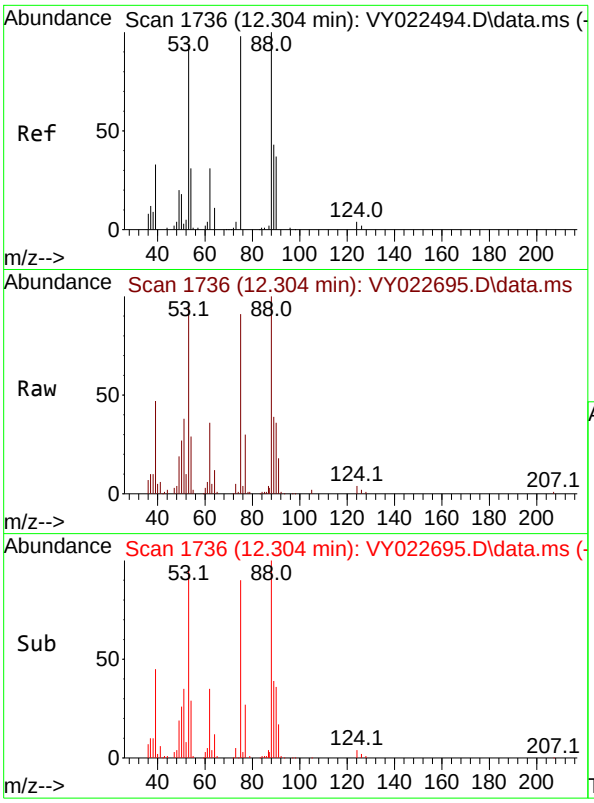


#80
1,3,5-Trimethylbenzene
Concen: 53.859 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:105 Resp: 400018

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.1	72.4



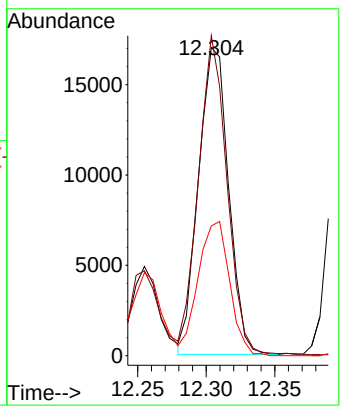


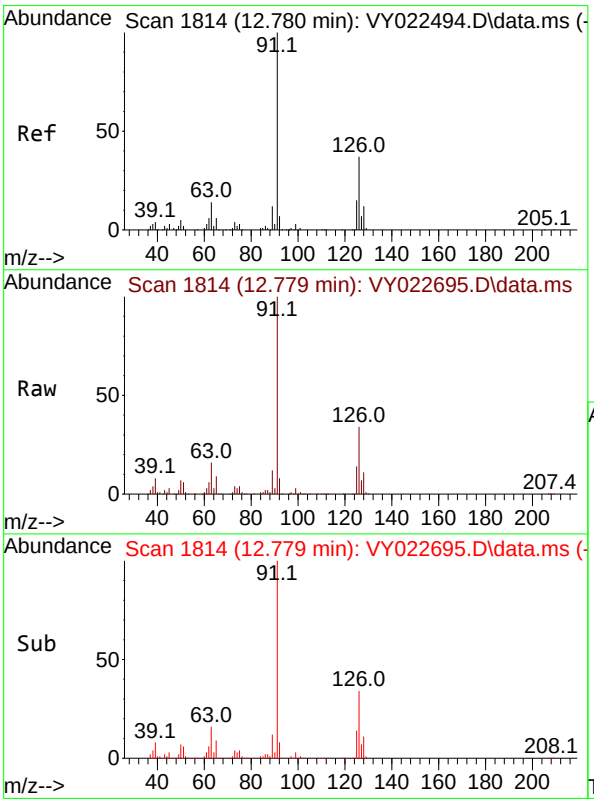
#81
trans-1,4-Dichloro-2-butene
Concen: 47.593 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 25980

Ion	Ratio	Lower	Upper
75	100		
53	99.9	78.5	117.7
89	45.8	35.7	53.5

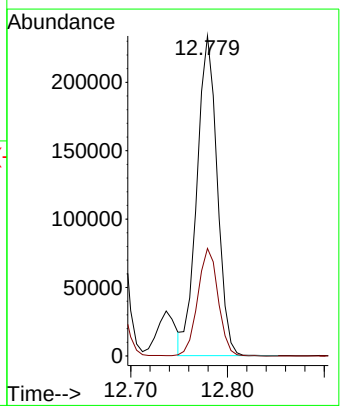


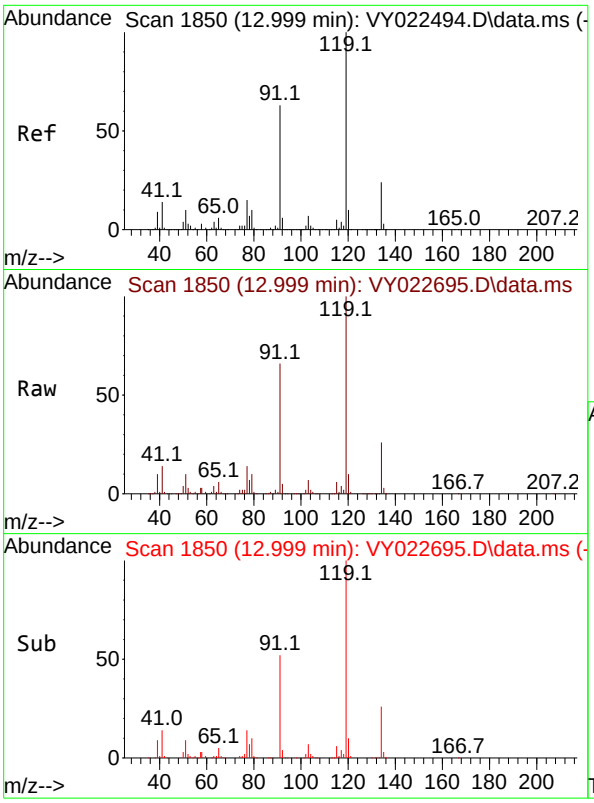


#82
4-Chlorotoluene
Concen: 53.959 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 91 Resp: 340887

Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.0	50.9



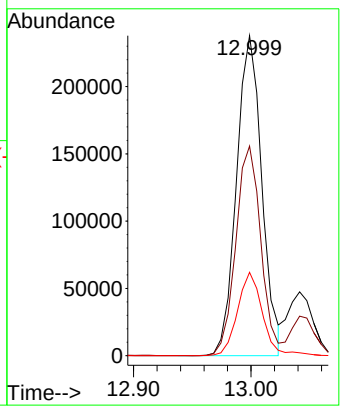


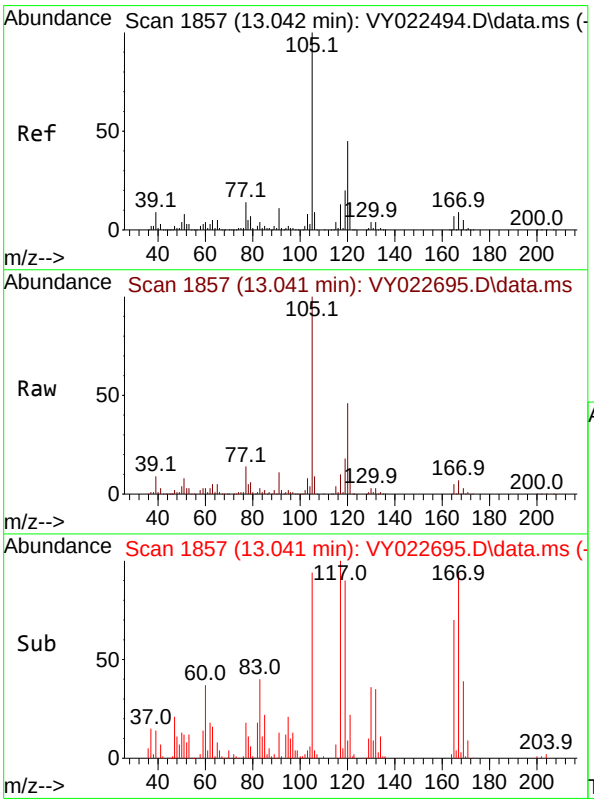
#83
tert-Butylbenzene
Concen: 53.513 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 356717

Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.1	96.3
134	25.7	13.0	38.9

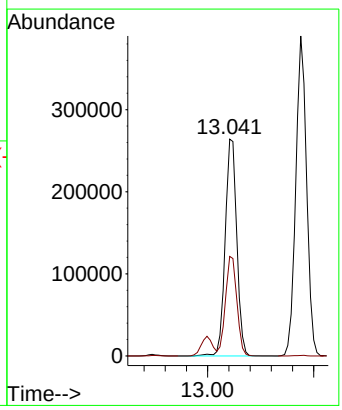


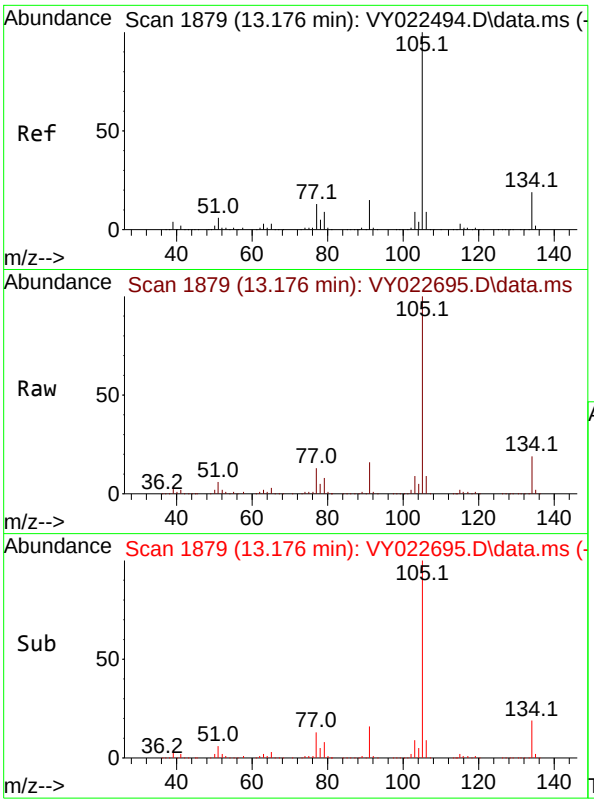


#84
1,2,4-Trimethylbenzene
Concen: 53.979 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:105 Resp: 400978

Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.7	68.1



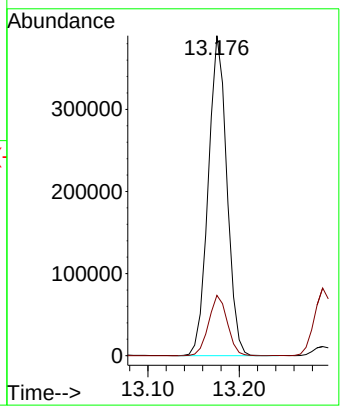


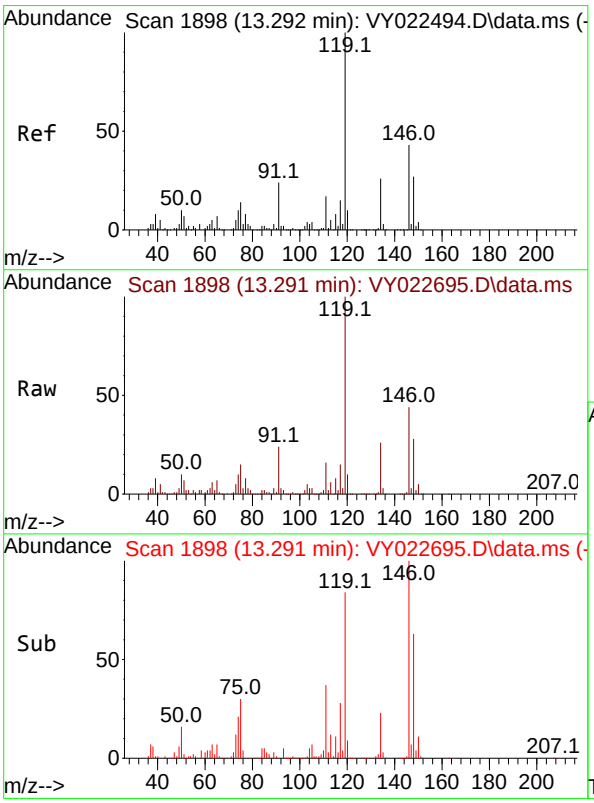
#85
sec-Butylbenzene
Concen: 54.077 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 552081

Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.7	28.9

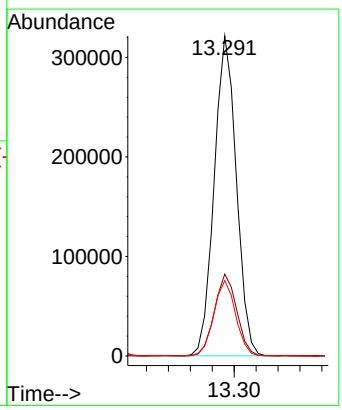


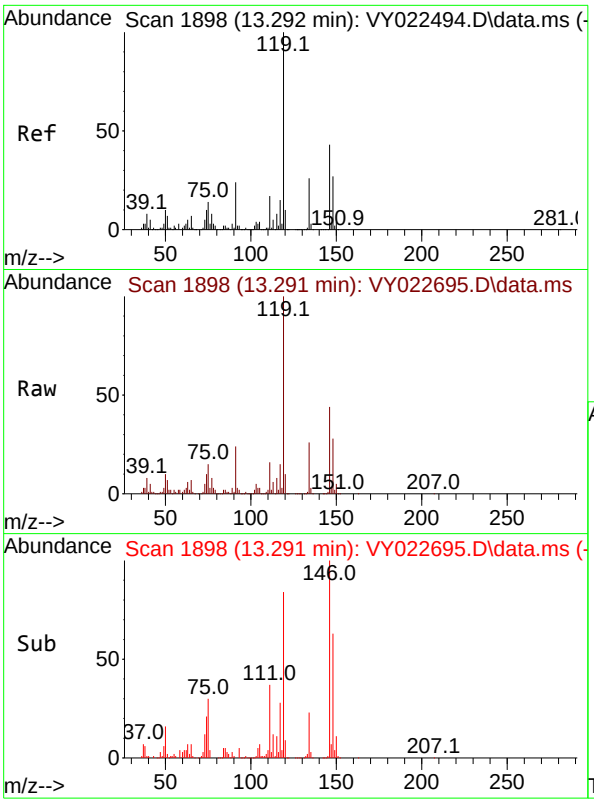


#86
p-Isopropyltoluene
Concen: 53.561 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:119 Resp: 450726

Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.1	39.1
91	23.3	11.6	34.8



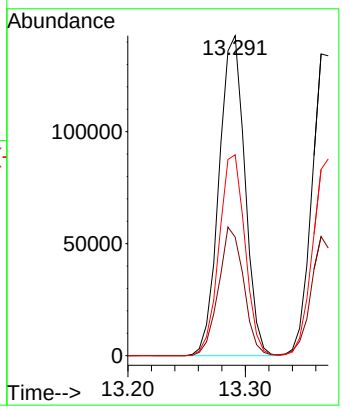


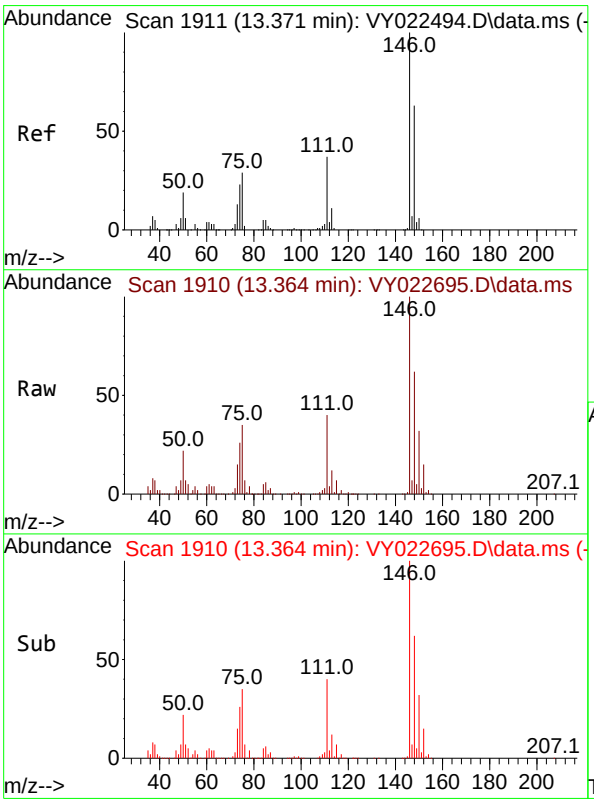
#87
1,3-Dichlorobenzene
Concen: 54.045 ug/l
RT: 13.291 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 218598

Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.1	60.2
148	63.0	32.1	96.3

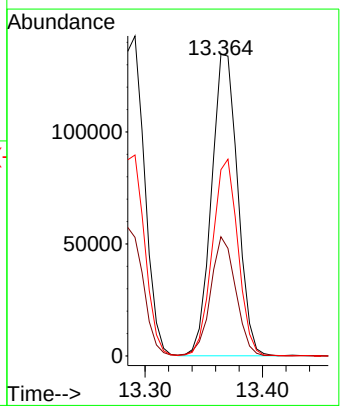


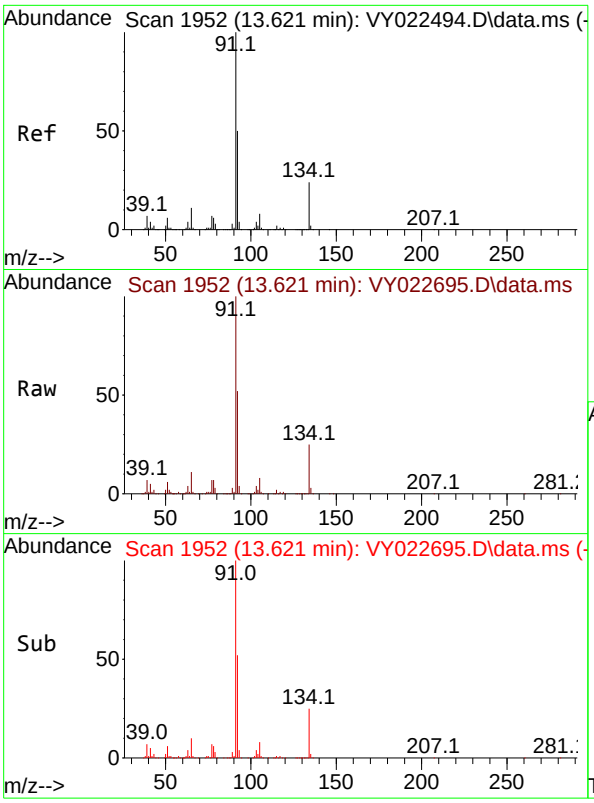


#88
1,4-Dichlorobenzene
Concen: 53.164 ug/l
RT: 13.364 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:146 Resp: 208563

Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.4	58.2
148	63.9	31.6	94.8



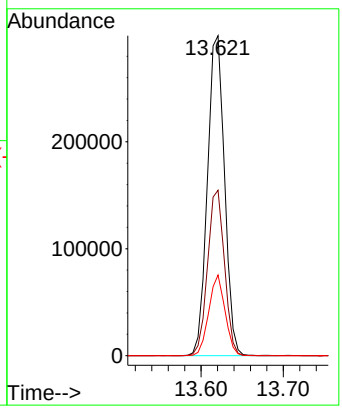


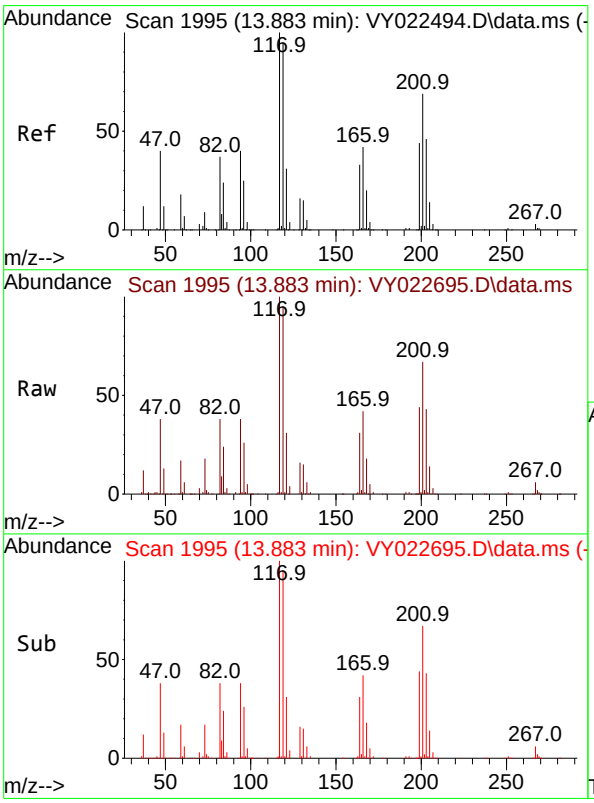
#89
n-Butylbenzene
Concen: 54.225 ug/l
RT: 13.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 432928

Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.9	77.8
134	24.0	12.0	36.1

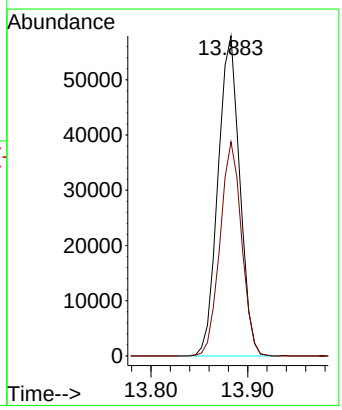


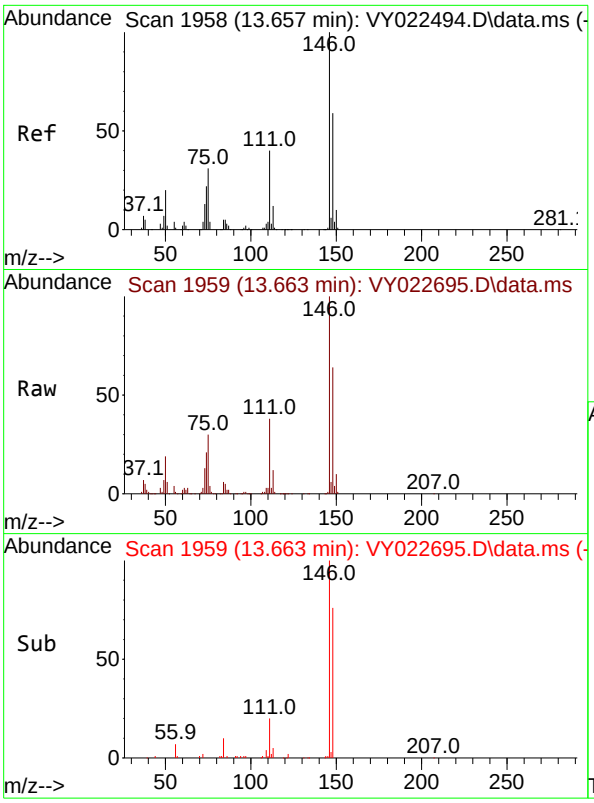


#90
Hexachloroethane
Concen: 55.059 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:117 Resp: 90202

Ion	Ratio	Lower	Upper
117	100		
201	66.5	34.0	102.0



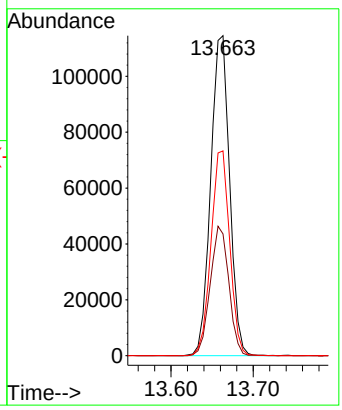


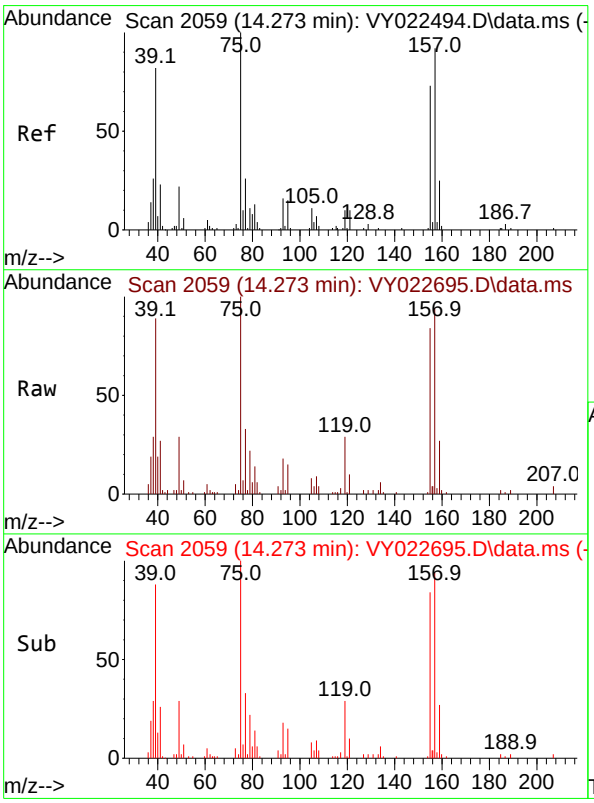
#91
1,2-Dichlorobenzene
Concen: 53.200 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 182696

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.2	60.6
148	63.5	31.4	94.0

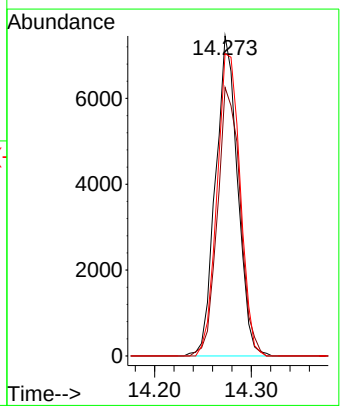


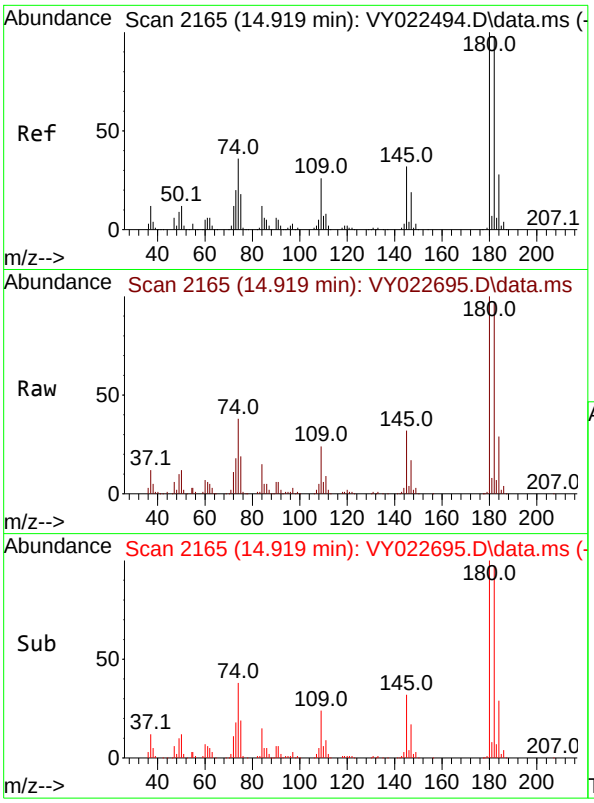


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.084 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion: 75 Resp: 11774

Ion	Ratio	Lower	Upper
75	100		
155	86.6	39.9	119.6
157	99.0	54.0	162.0



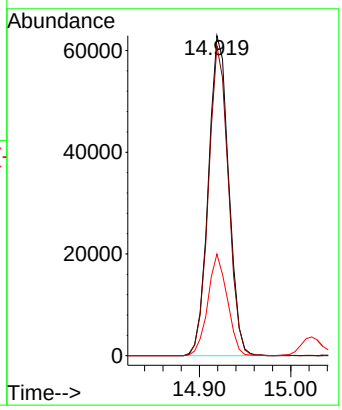


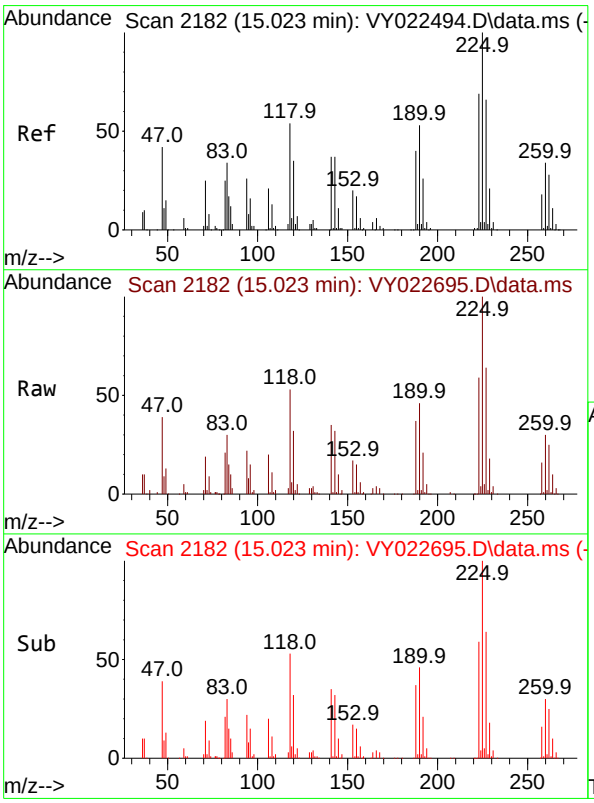
#93
1,2,4-Trichlorobenzene
Concen: 51.592 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 96629

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.4	145.3
145	30.5	15.5	46.5

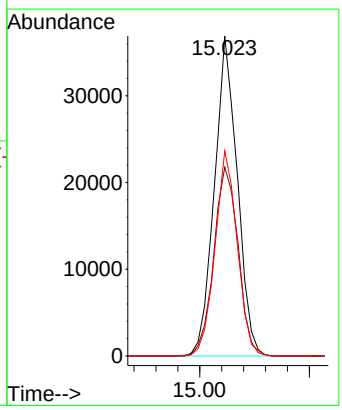


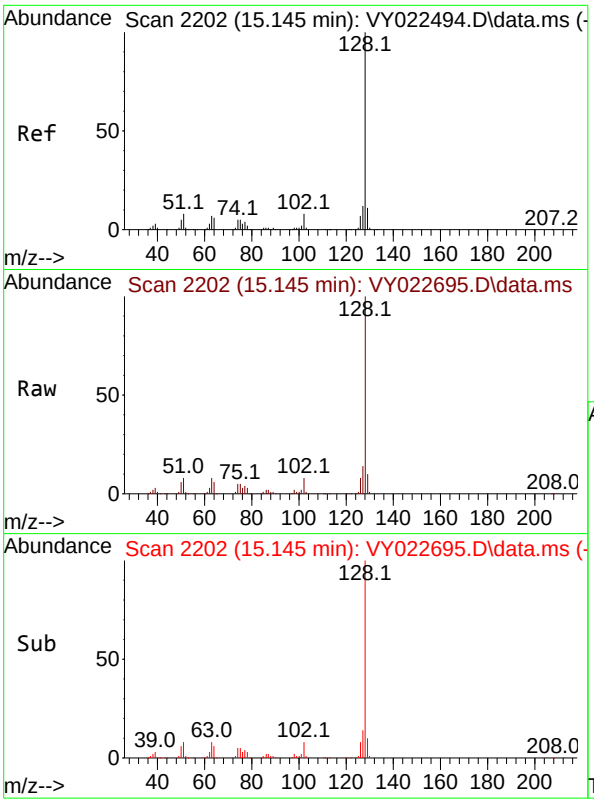


#94
Hexachlorobutadiene
Concen: 51.735 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:225 Resp: 53481

Ion	Ratio	Lower	Upper
225	100		
223	62.6	32.5	97.4
227	62.4	32.3	96.9



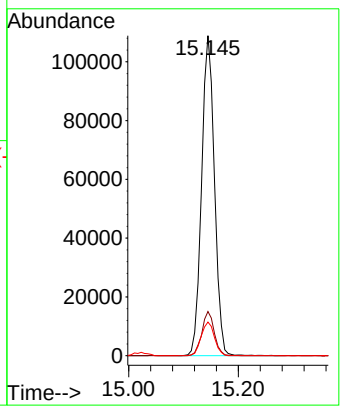


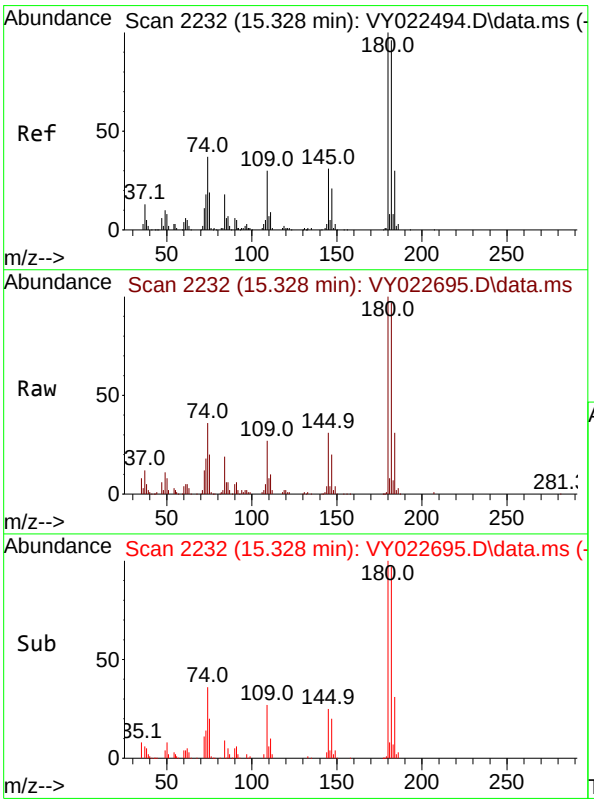
#95
Naphthalene
Concen: 49.227 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 176934

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.8	8.9	13.3

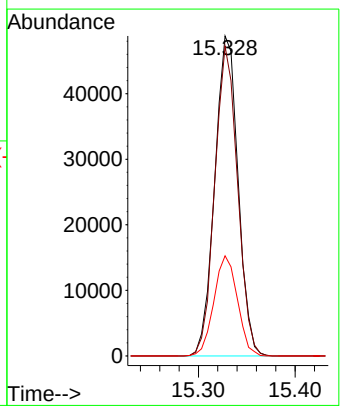




#96
1,2,3-Trichlorobenzene
Concen: 50.769 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022695.D
Acq: 16 Jun 2025 08:31

Tgt Ion:180 Resp: 81492

Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.1	141.3
145	31.6	15.2	45.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022697.D
Acq On : 16 Jun 2025 10:12
Operator : SY/MD
Sample : VY0616SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Quant Time: Jun 17 05:50:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	158575	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	274493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	229894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	109254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	92304	52.044	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.080%			
35) Dibromofluoromethane	7.634	113	84256	51.426	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.860%			
50) Toluene-d8	10.109	98	335707	50.710	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.420%			
62) 4-Bromofluorobenzene	12.408	95	97799	49.582	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	30929	21.785	ug/l	97
3) Chloromethane	2.068	50	81063	19.327	ug/l	99
4) Vinyl Chloride	2.208	62	106967	21.984	ug/l	98
5) Bromomethane	2.592	94	106224	22.778	ug/l	98
6) Chloroethane	2.733	64	77642	23.248	ug/l	96
7) Trichlorofluoromethane	3.050	101	96027	23.248	ug/l	99
8) Diethyl Ether	3.452	74	20424	21.956	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	39178	22.520	ug/l	98
10) Methyl Iodide	4.007	142	35299	18.750	ug/l	98
11) Tert butyl alcohol	4.879	59	13305	105.033	ug/l #	92
12) 1,1-Dichloroethene	3.793	96	36931	22.209	ug/l	95
13) Acrolein	3.653	56	11018	69.792	ug/l	95
14) Allyl chloride	4.385	41	53849	20.627	ug/l	97
15) Acrylonitrile	5.061	53	43625	110.734	ug/l	98
16) Acetone	3.873	43	50848	141.171	ug/l	96
17) Carbon Disulfide	4.104	76	109042	20.482	ug/l	99
18) Methyl Acetate	4.391	43	21734	20.377	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	99131	21.165	ug/l	98
20) Methylene Chloride	4.610	84	48762	23.833	ug/l	94
21) trans-1,2-Dichloroethene	5.110	96	41044	22.053	ug/l	92
22) Diisopropyl ether	6.019	45	126069	21.695	ug/l	97
23) Vinyl Acetate	5.964	43	360740	104.888	ug/l	99
24) 1,1-Dichloroethane	5.921	63	76065	22.220	ug/l	100
25) 2-Butanone	6.896	43	64118	123.411	ug/l	100
26) 2,2-Dichloropropane	6.890	77	66458	21.972	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	46410	21.574	ug/l	96
28) Bromochloromethane	7.250	49	32989	22.107	ug/l	97
29) Tetrahydrofuran	7.262	42	35539	106.057	ug/l	98
30) Chloroform	7.427	83	76803	22.651	ug/l	91
31) Cyclohexane	7.707	56	68711	20.161	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	68356	22.710	ug/l	99
36) 1,1-Dichloropropene	7.841	75	56212	21.139	ug/l	99
37) Ethyl Acetate	6.988	43	25836	21.787	ug/l	98
38) Carbon Tetrachloride	7.817	117	57413	21.047	ug/l	98
39) Methylcyclohexane	9.110	83	70362	19.690	ug/l	99
40) Benzene	8.079	78	169830	21.624	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022697.D
Acq On : 16 Jun 2025 10:12
Operator : SY/MD
Sample : VY0616SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Quant Time: Jun 17 05:50:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	11287	16.295	ug/l	#	79
42) 1,2-Dichloroethane	8.158	62	46696	21.775	ug/l		97
43) Isopropyl Acetate	8.201	43	51938	20.280	ug/l		98
44) Trichloroethene	8.866	130	41267	21.498	ug/l		97
45) 1,2-Dichloropropane	9.140	63	40369	21.749	ug/l		95
46) Dibromomethane	9.231	93	22198	21.257	ug/l		98
47) Bromodichloromethane	9.427	83	58700	22.169	ug/l		98
48) Methyl methacrylate	9.225	41	25045	20.836	ug/l		98
49) 1,4-Dioxane	9.231	88	5331	430.920	ug/l		95
51) 4-Methyl-2-Pentanone	10.000	43	132045	103.413	ug/l		99
52) Toluene	10.170	92	104048	21.081	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	52106	21.003	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	59697	20.671	ug/l		96
55) 1,1,2-Trichloroethane	10.573	97	29305	22.008	ug/l		89
56) Ethyl methacrylate	10.439	69	37977	19.733	ug/l		99
57) 1,3-Dichloropropane	10.719	76	50278	21.304	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	93823	107.377	ug/l		99
59) 2-Hexanone	10.762	43	92278	108.059	ug/l		100
60) Dibromochloromethane	10.914	129	35744	21.123	ug/l		98
61) 1,2-Dibromoethane	11.018	107	26650	21.959	ug/l		95
64) Tetrachloroethene	10.646	164	48016	24.280	ug/l		98
65) Chlorobenzene	11.444	112	110633	21.747	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	35445	20.683	ug/l		98
67) Ethyl Benzene	11.518	91	195335	20.702	ug/l		99
68) m/p-Xylenes	11.627	106	147231	41.160	ug/l		98
69) o-Xylene	11.957	106	69044	20.588	ug/l		100
70) Styrene	11.969	104	113714	20.513	ug/l		99
71) Bromoform	12.133	173	19012	20.847	ug/l	#	98
73) Isopropylbenzene	12.255	105	182723	20.371	ug/l		100
74) N-amyl acetate	12.072	43	43824	19.363	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	28808	19.569	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	43995	35.199	ug/l	#	100
77) Bromobenzene	12.536	156	39023	20.616	ug/l		98
78) n-propylbenzene	12.597	91	221750	20.241	ug/l		99
79) 2-Chlorotoluene	12.682	91	119393	20.562	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	144419	20.508	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	10097	19.508	ug/l		98
82) 4-Chlorotoluene	12.780	91	120666	20.145	ug/l		98
83) tert-Butylbenzene	12.999	119	128051	20.260	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	143246	20.338	ug/l		100
85) sec-Butylbenzene	13.176	105	196393	20.289	ug/l		100
86) p-Isopropyltoluene	13.292	119	157938	19.794	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	79159	20.641	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	78000	20.970	ug/l		99
89) n-Butylbenzene	13.615	91	152139	20.097	ug/l		100
90) Hexachloroethane	13.877	117	32367	20.837	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	66633	20.464	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4817	22.474	ug/l		93
93) 1,2,4-Trichlorobenzene	14.919	180	37234	20.967	ug/l		96
94) Hexachlorobutadiene	15.023	225	20911	21.334	ug/l		98
95) Naphthalene	15.145	128	68059	19.971	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	32973	21.665	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022697.D
Acq On : 16 Jun 2025 10:12
Operator : SY/MD
Sample : VY0616SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Quant Time: Jun 17 05:50:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

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

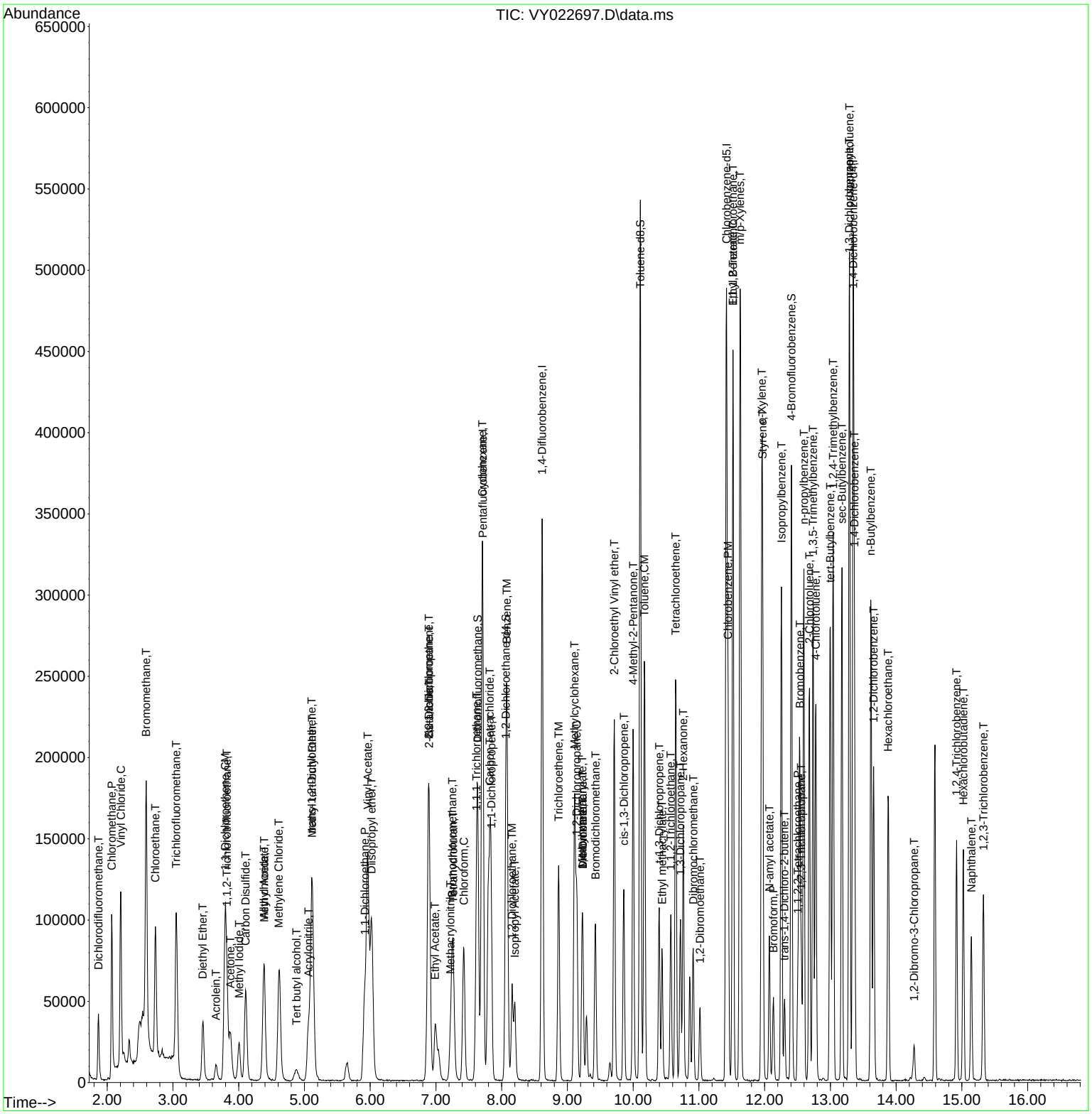
(#) = qualifier out of range (m) = manual integration (+) = signals summed

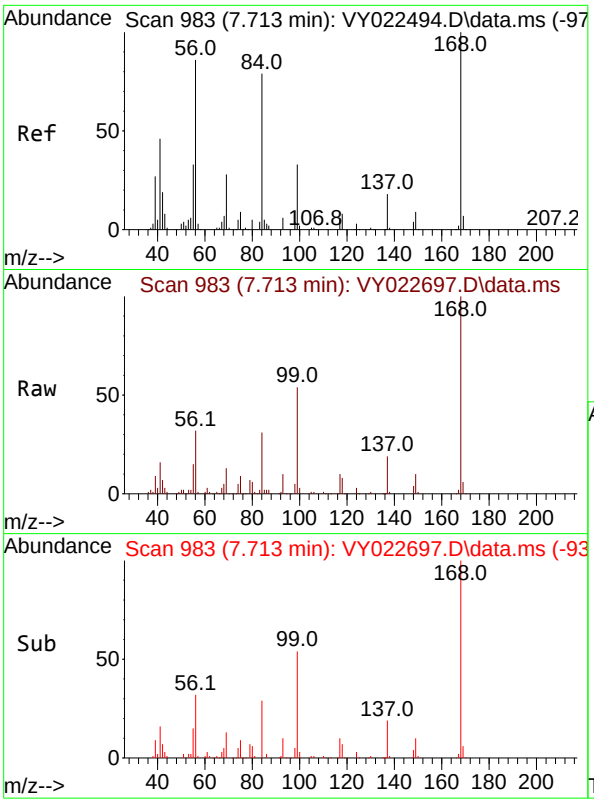
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022697.D
Acq On : 16 Jun 2025 10:12
Operator : SY/MD
Sample : VY0616SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Quant Time: Jun 17 05:50:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration



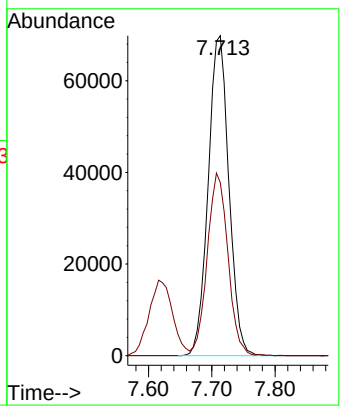


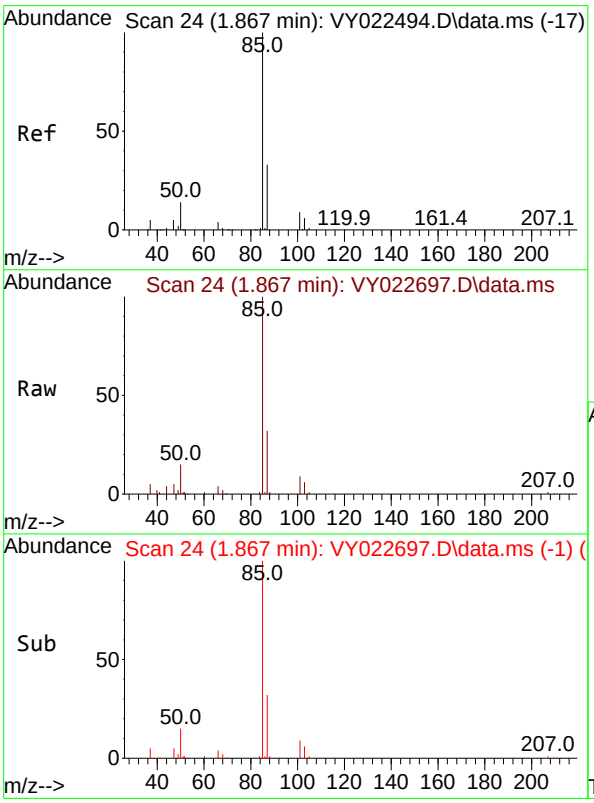
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion:168 Resp: 158575

Ion	Ratio	Lower	Upper
168	100		
99	54.0	44.3	66.5

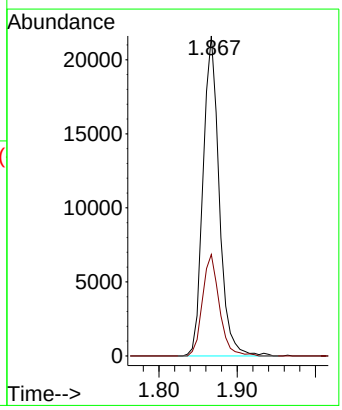


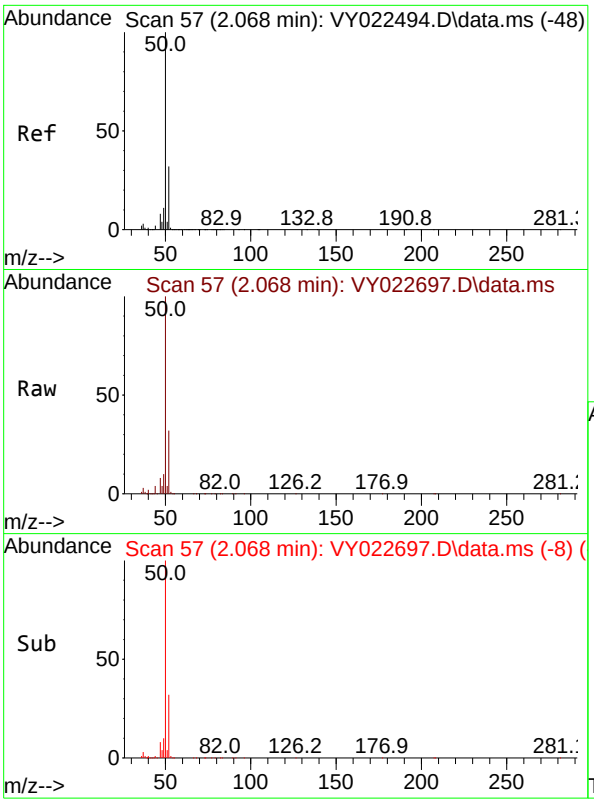


#2
Dichlorodifluoromethane
Concen: 21.785 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 85 Resp: 30929

Ion	Ratio	Lower	Upper
85	100		
87	31.7	16.7	50.0



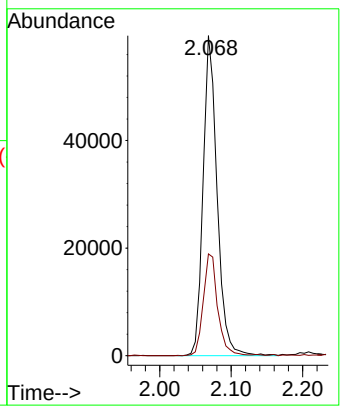


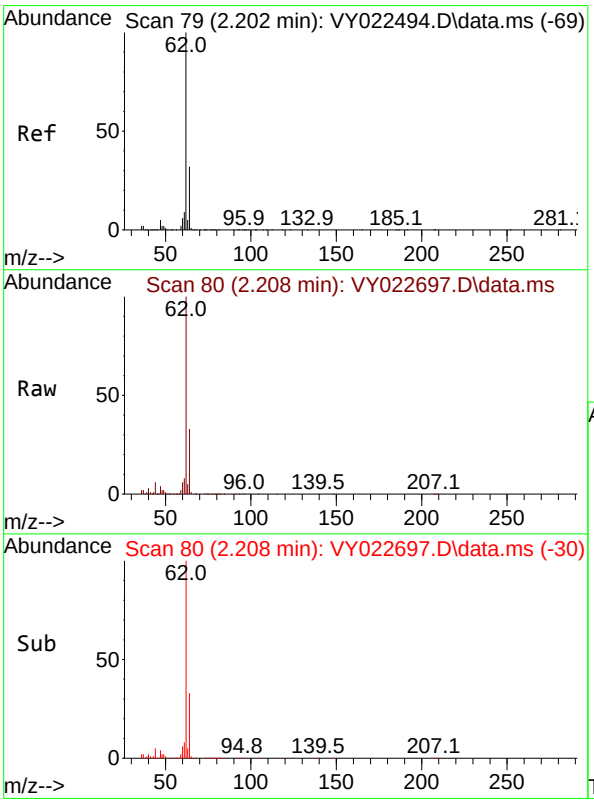
#3
Chloromethane
Concen: 19.327 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 50 Resp: 81063

Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.0	39.0

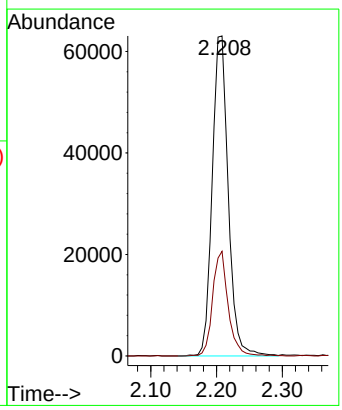


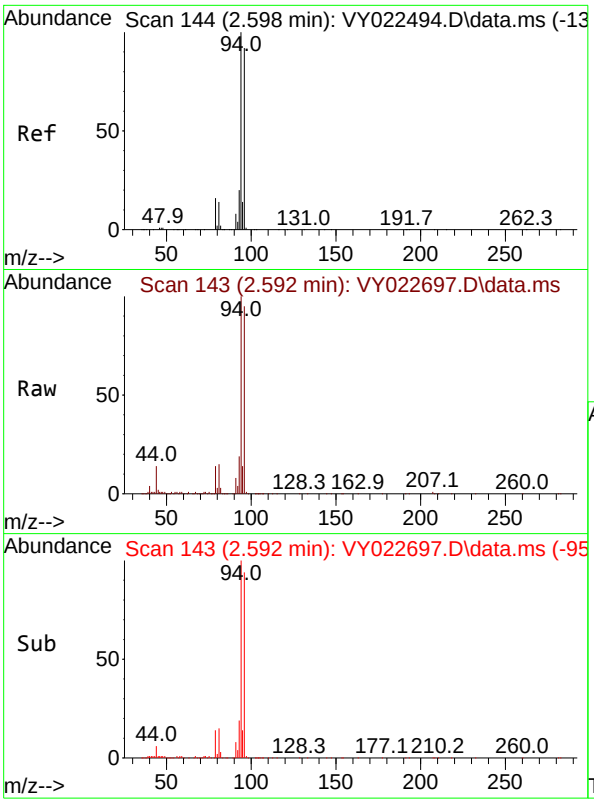


#4
Vinyl Chloride
Concen: 21.984 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 62 Resp: 106967

Ion	Ratio	Lower	Upper
62	100		
64	32.7	25.3	37.9



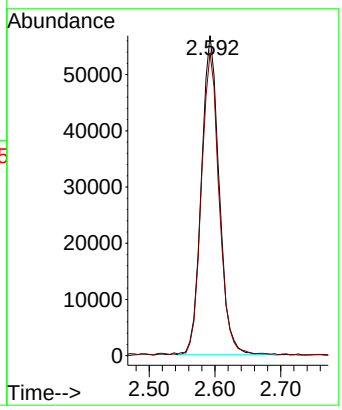


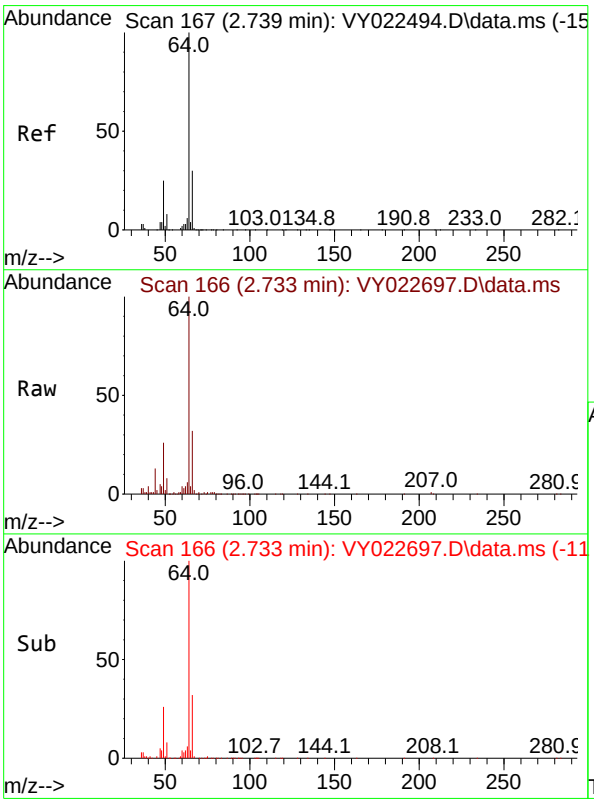
#5
Bromomethane
Concen: 22.778 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 94 Resp: 106224

Ion	Ratio	Lower	Upper
94	100		
96	94.6	74.0	111.0

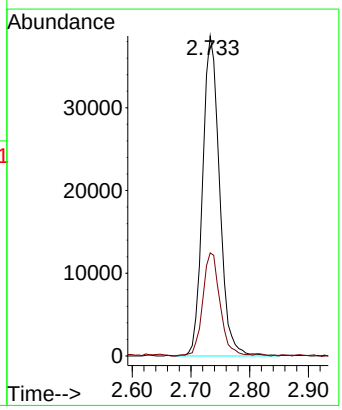


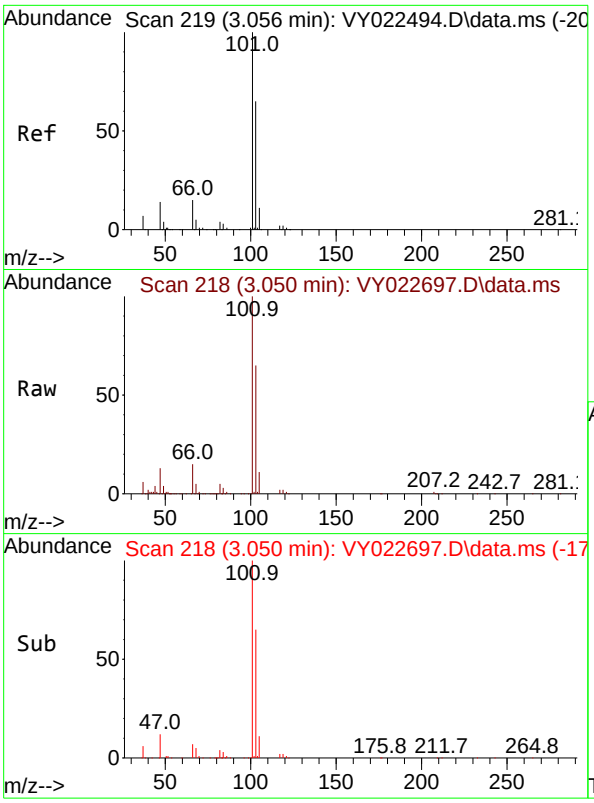


#6
Chloroethane
Concen: 23.248 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 64 Resp: 77642

Ion	Ratio	Lower	Upper
64	100		
66	32.1	23.8	35.6



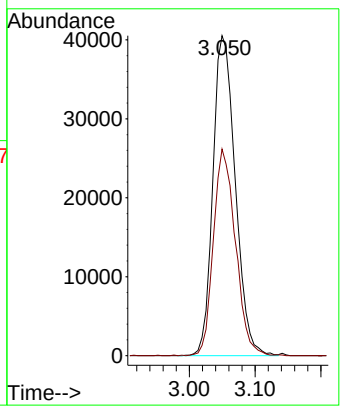


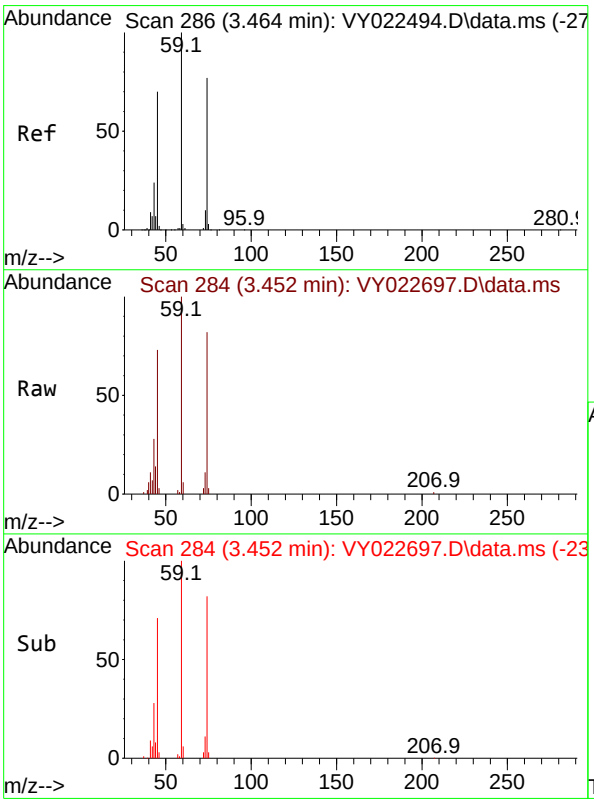
#7
Trichlorofluoromethane
Concen: 23.248 ug/l
RT: 3.050 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion:101 Resp: 96027

Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.2	78.2

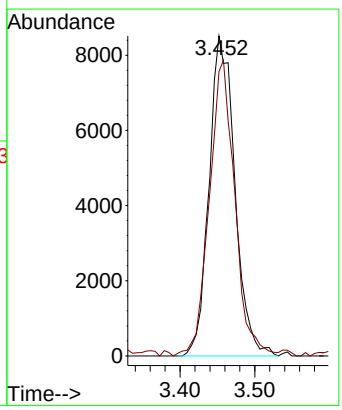


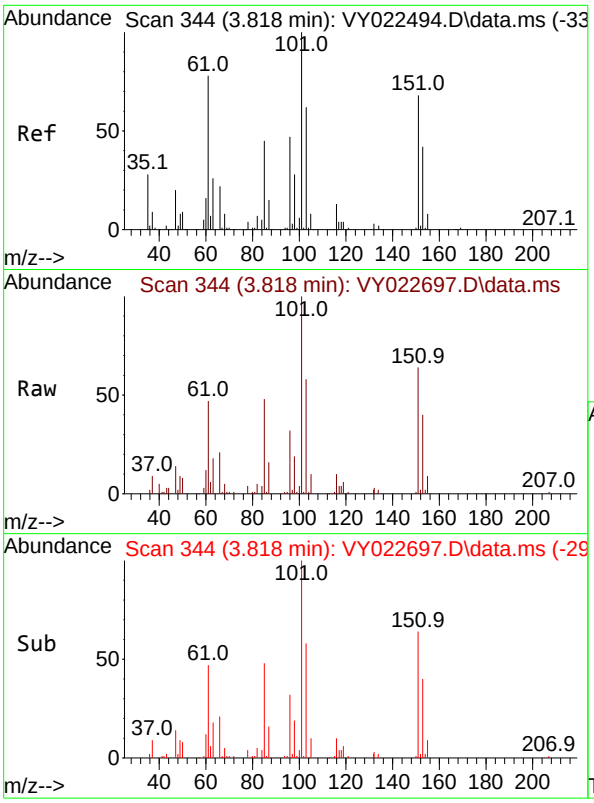


#8
Diethyl Ether
Concen: 21.956 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.012 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 74 Resp: 20424

Ion	Ratio	Lower	Upper
74	100		
45	91.2	45.9	137.6



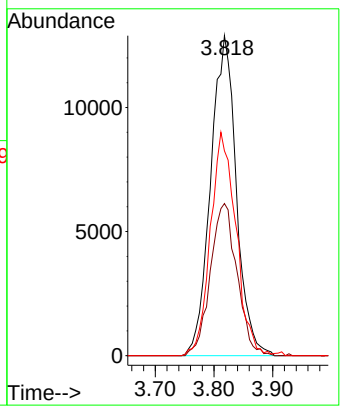


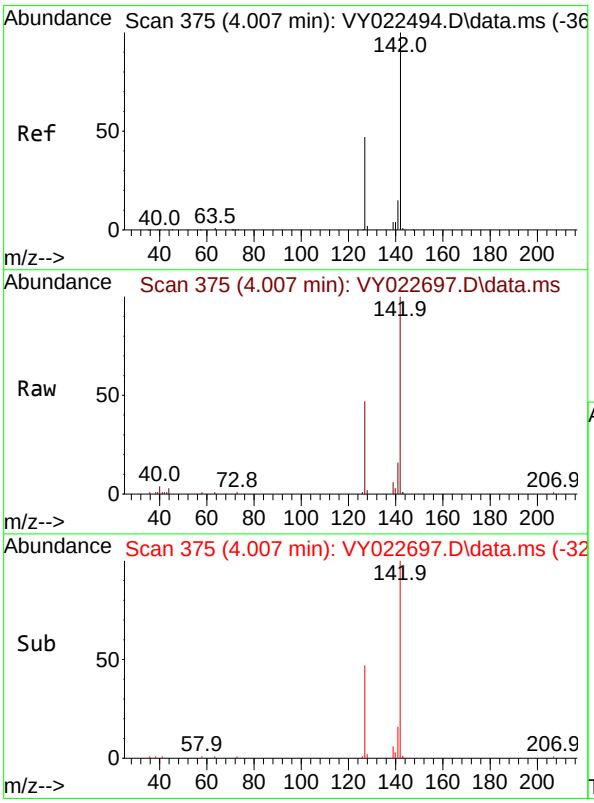
#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.520 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion:101 Resp: 39178

Ion	Ratio	Lower	Upper
101	100		
85	49.2	39.3	58.9
151	69.5	57.8	86.8

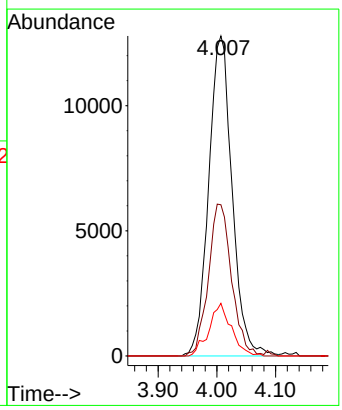


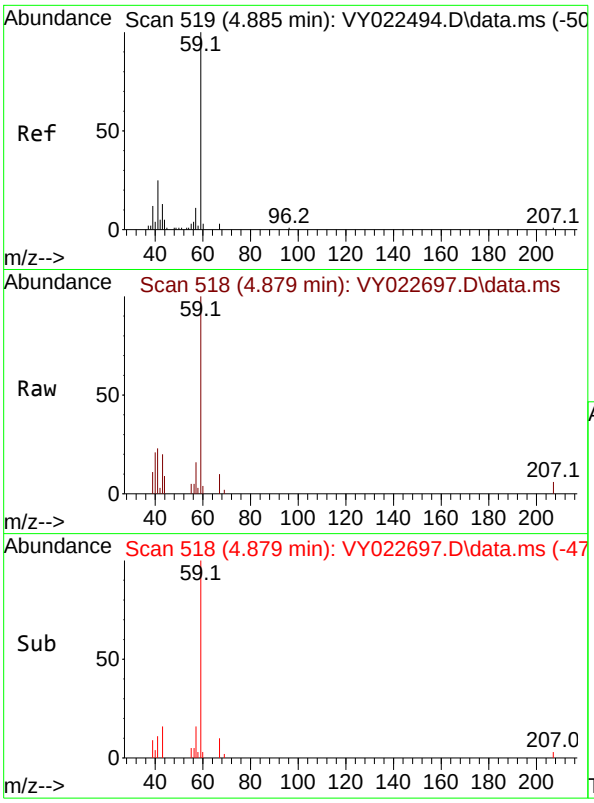


#10
Methyl Iodide
Concen: 18.750 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:142 Resp: 35299

Ion	Ratio	Lower	Upper
142	100		
127	47.1	37.1	55.7
141	15.8	11.4	17.2



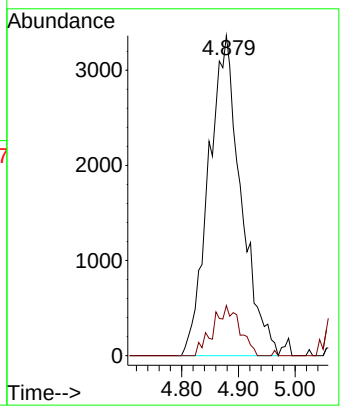


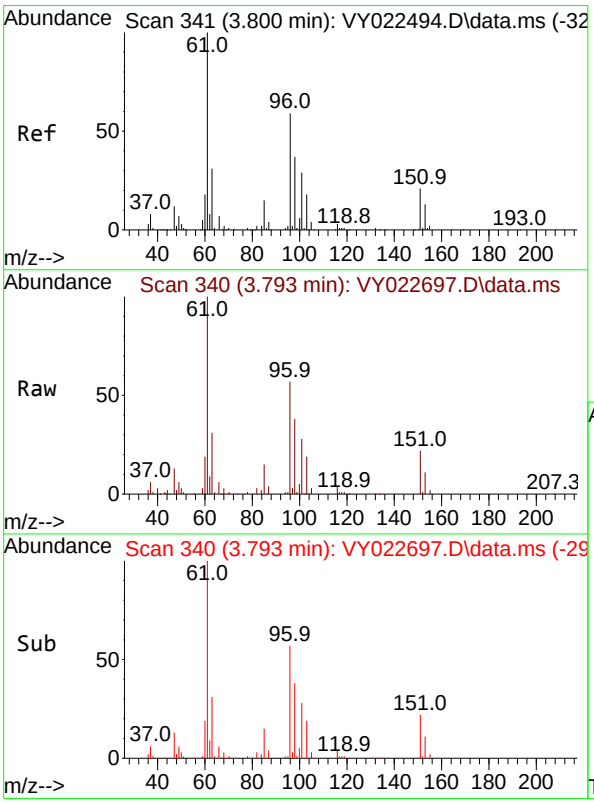
#11
Tert butyl alcohol
Concen: 105.033 ug/l
RT: 4.879 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 59 Resp: 13305

Ion	Ratio	Lower	Upper
59	100		
57	12.9	8.0	12.0#

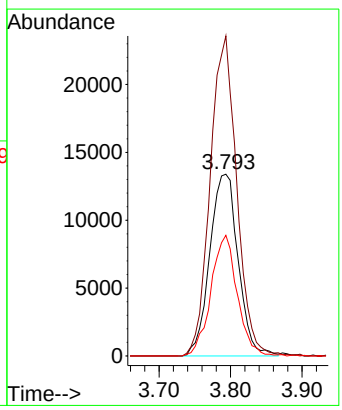


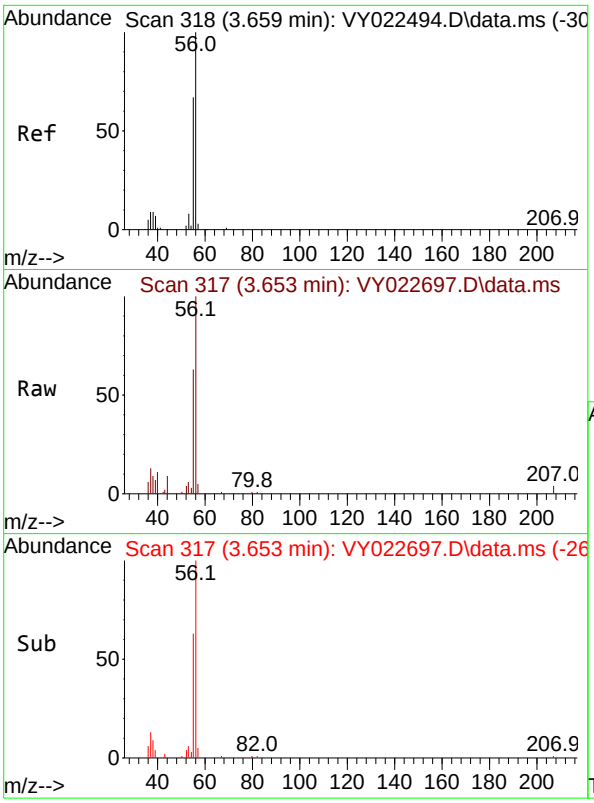


#12
1,1-Dichloroethene
Concen: 22.209 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 96 Resp: 36931

Ion	Ratio	Lower	Upper
96	100		
61	176.1	134.6	201.8
98	66.4	50.2	75.4



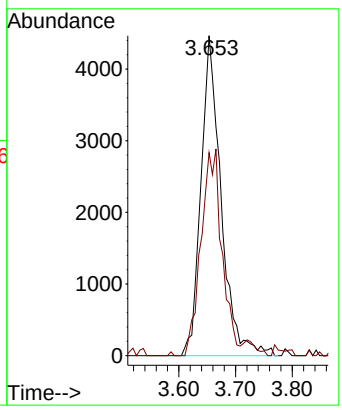


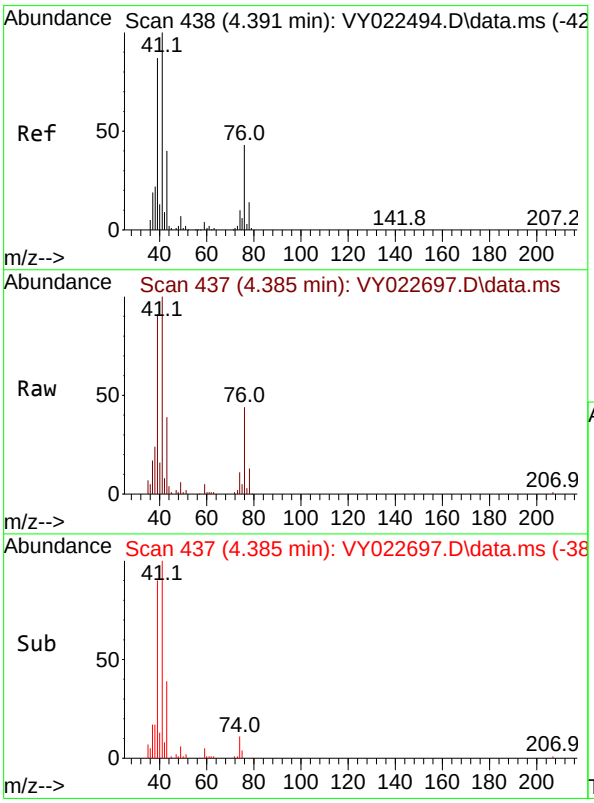
#13
Acrolein
Concen: 69.792 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 56 Resp: 11018

Ion	Ratio	Lower	Upper
56	100		
55	66.9	57.0	85.6

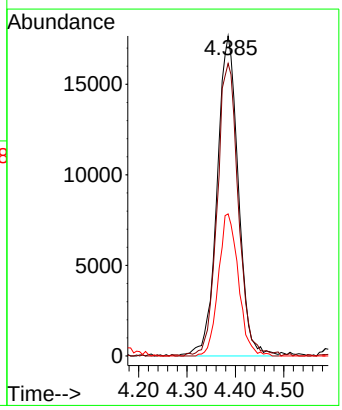


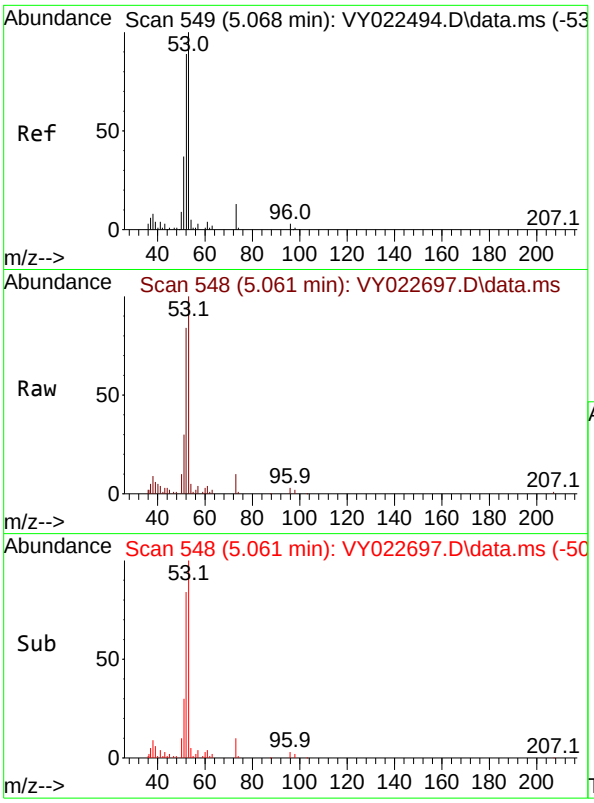


#14
Allyl chloride
Concen: 20.627 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 41 Resp: 53849

Ion	Ratio	Lower	Upper
41	100		
39	91.1	69.1	103.7
76	41.9	33.5	50.3



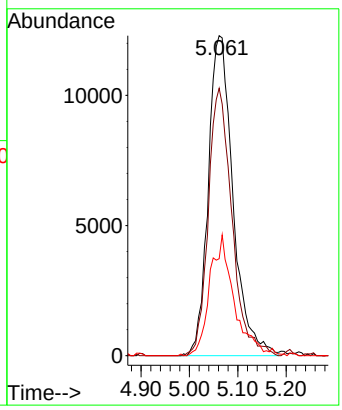


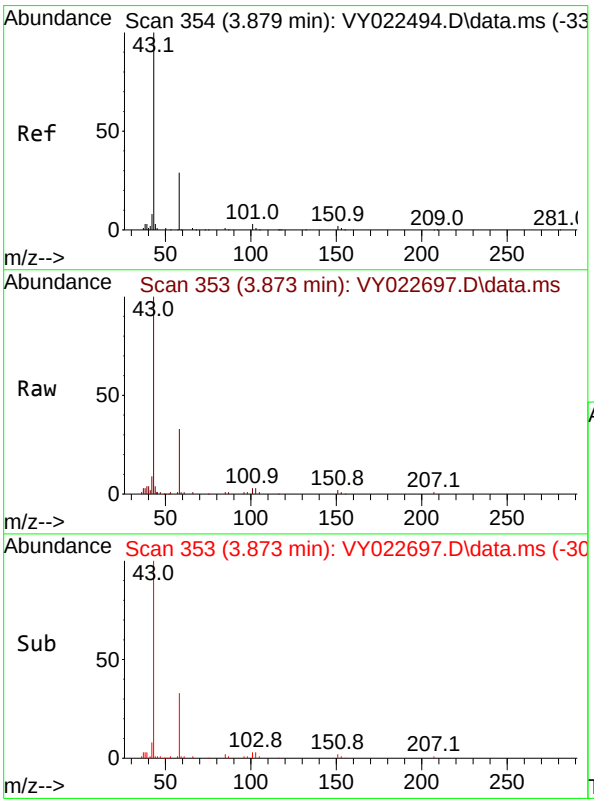
#15
Acrylonitrile
Concen: 110.734 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 53 Resp: 43625

Ion	Ratio	Lower	Upper
53	100		
52	80.1	65.7	98.5
51	36.7	30.1	45.1

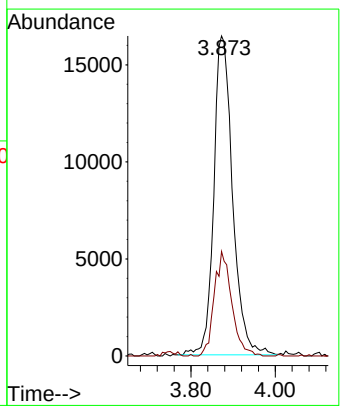


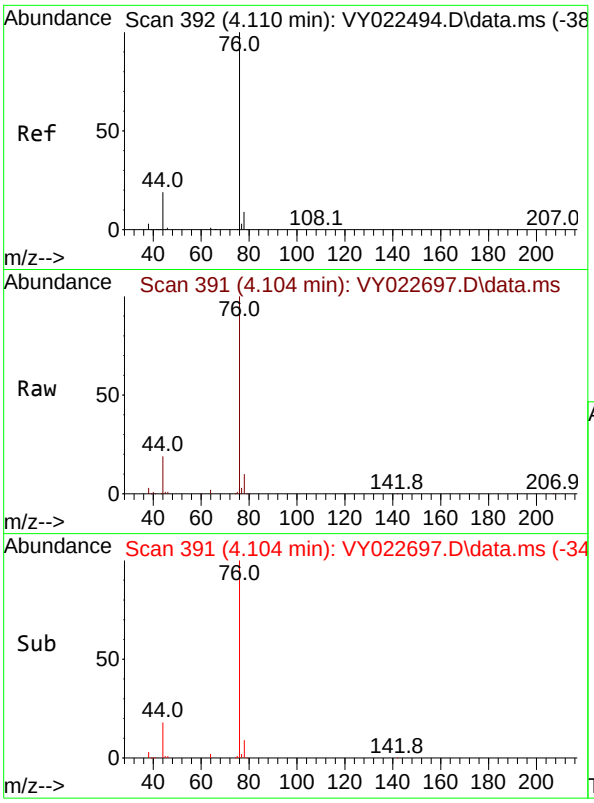


#16
Acetone
Concen: 141.171 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 43 Resp: 50848

Ion	Ratio	Lower	Upper
43	100		
58	32.3	24.0	36.0



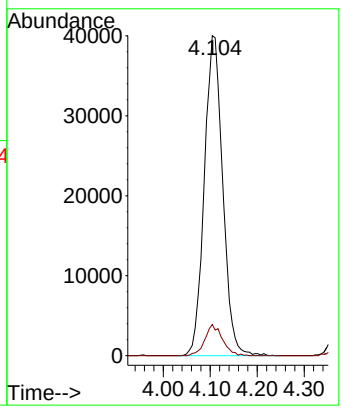


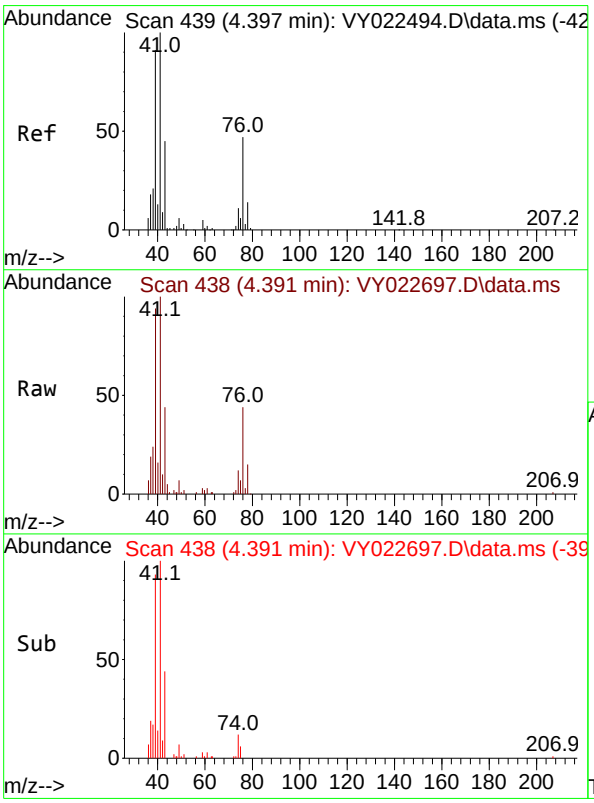
#17
Carbon Disulfide
Concen: 20.482 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 76 Resp: 109042

Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.2

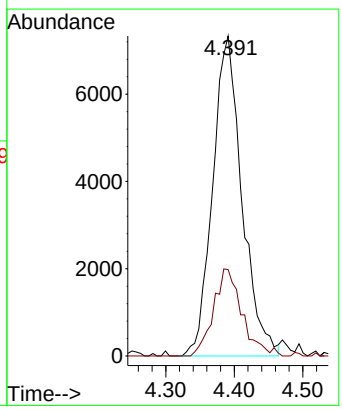


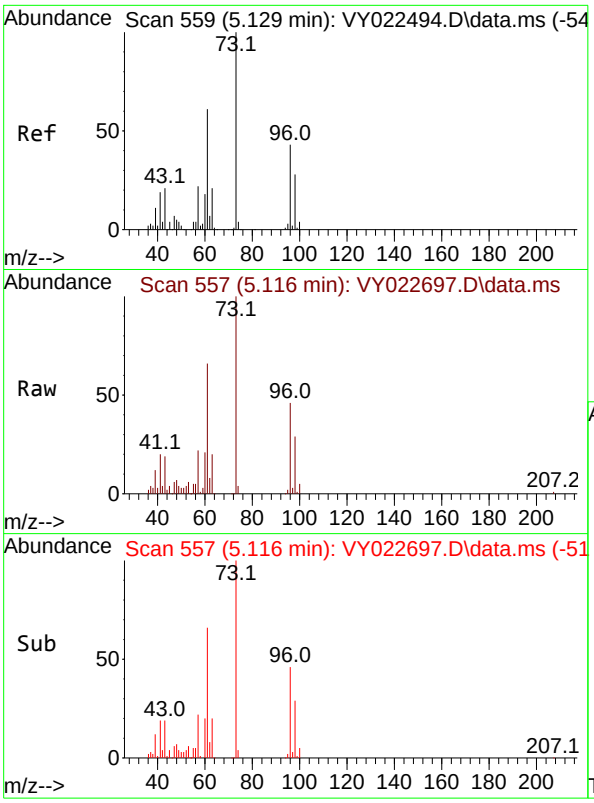


#18
Methyl Acetate
Concen: 20.377 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 43 Resp: 21734

Ion	Ratio	Lower	Upper
43	100		
74	26.5	19.8	29.6



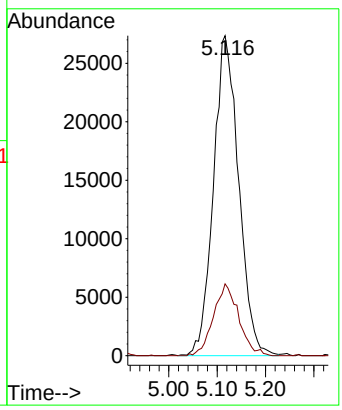


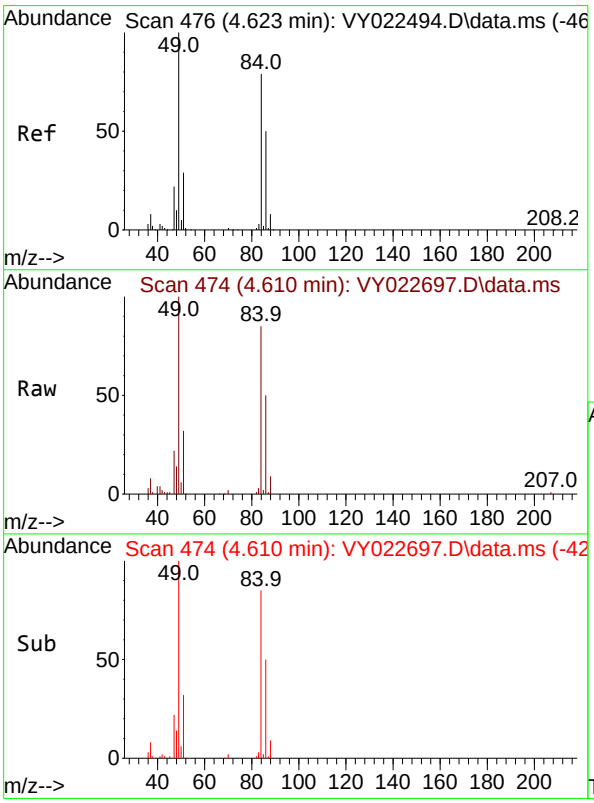
#19
Methyl tert-butyl Ether
Concen: 21.165 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 73 Resp: 99131

Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.4	26.0

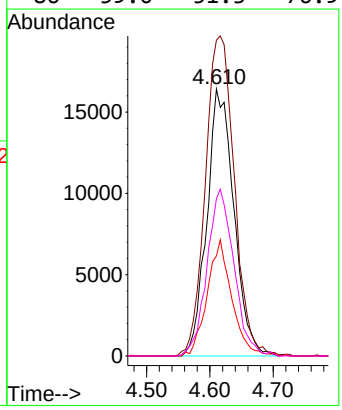


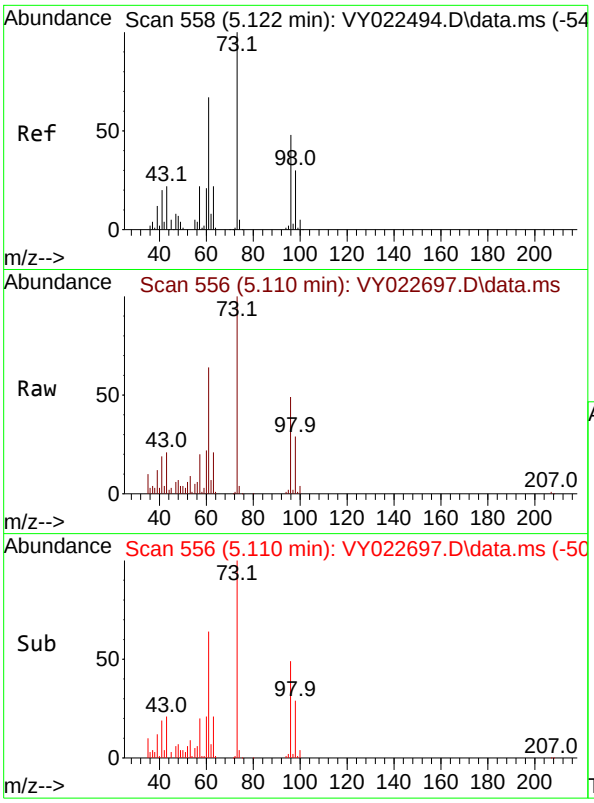


#20
Methylene Chloride
Concen: 23.833 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 84 Resp: 48762

Ion	Ratio	Lower	Upper
84	100		
49	118.0	101.9	152.9
51	37.4	29.8	44.8
86	59.0	51.3	76.9



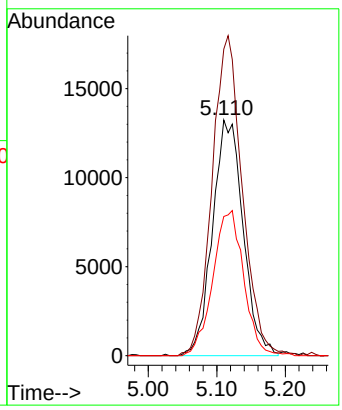


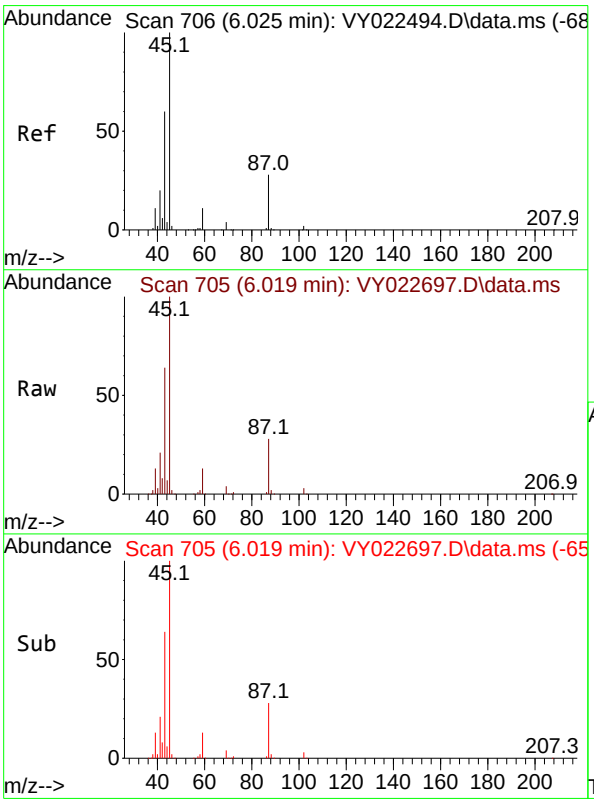
#21
trans-1,2-Dichloroethene
Concen: 22.053 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 96 Resp: 41044

Ion	Ratio	Lower	Upper
96	100		
61	130.1	112.6	169.0
98	59.1	50.6	75.8

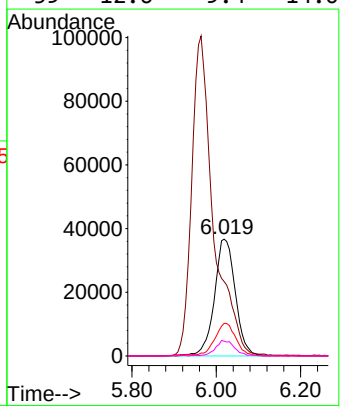


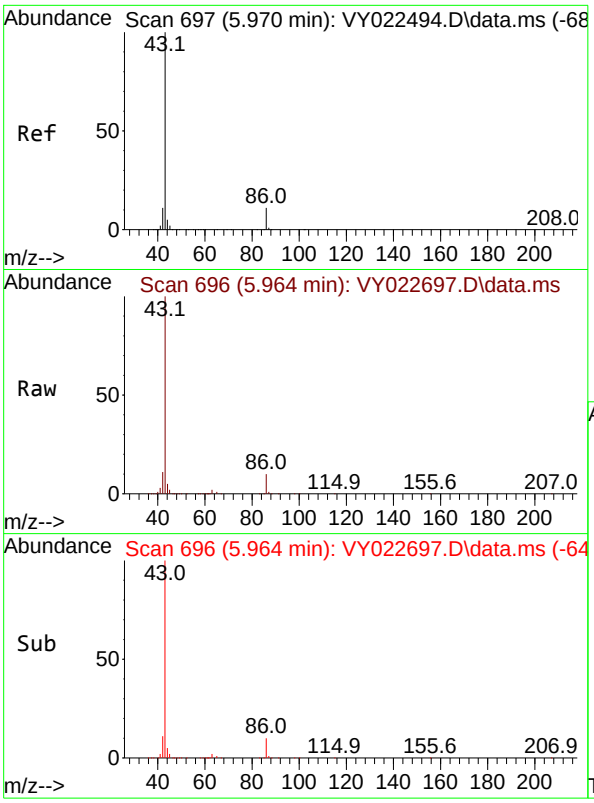


#22
Diisopropyl ether
Concen: 21.695 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 45 Resp: 126069

Ion	Ratio	Lower	Upper
45	100		
43	63.1	48.3	72.5
87	28.0	23.0	34.6
59	12.6	9.4	14.0



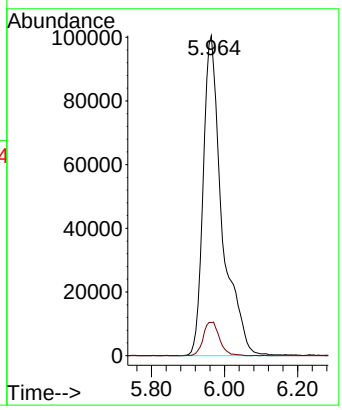


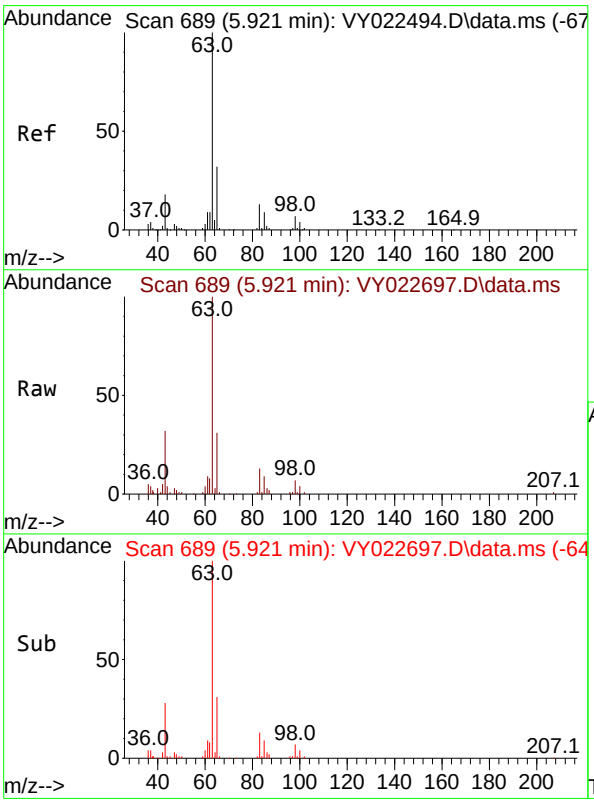
#23
Vinyl Acetate
Concen: 104.888 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 43 Resp: 360740

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.6	12.8

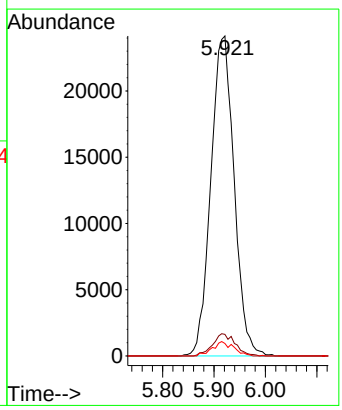


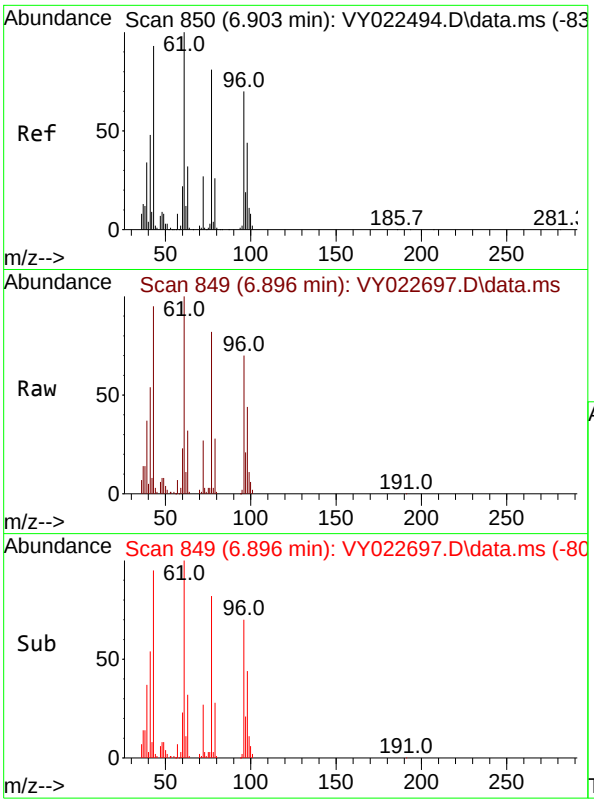


#24
1,1-Dichloroethane
Concen: 22.220 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 63 Resp: 76065

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.1
100	3.9	2.1	6.3



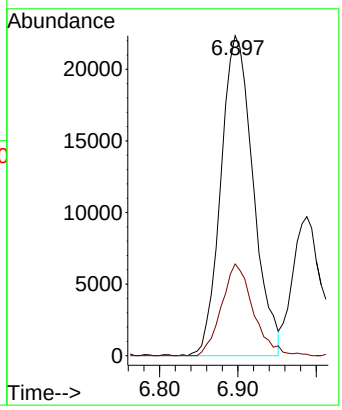


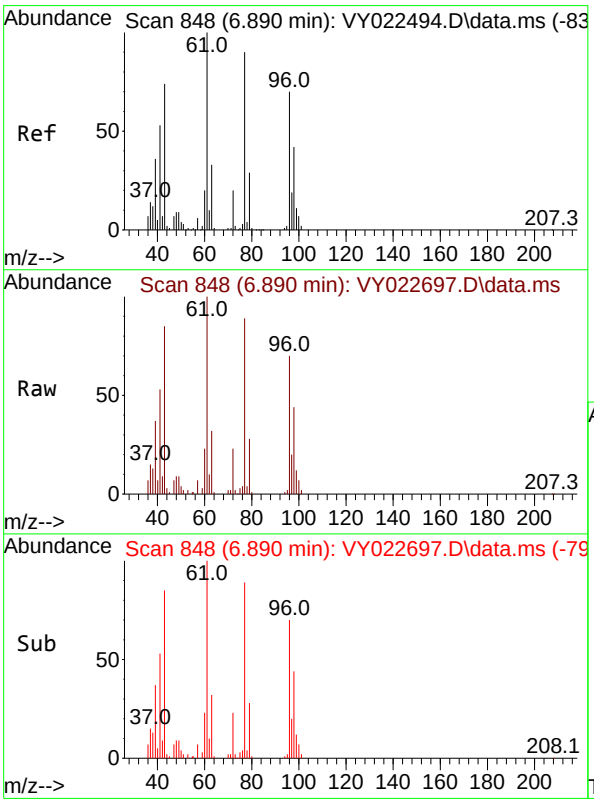
#25
2-Butanone
Concen: 123.411 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 43 Resp: 64118

Ion	Ratio	Lower	Upper
43	100		
72	28.6	22.9	34.3

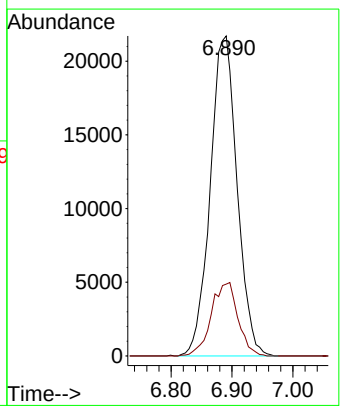


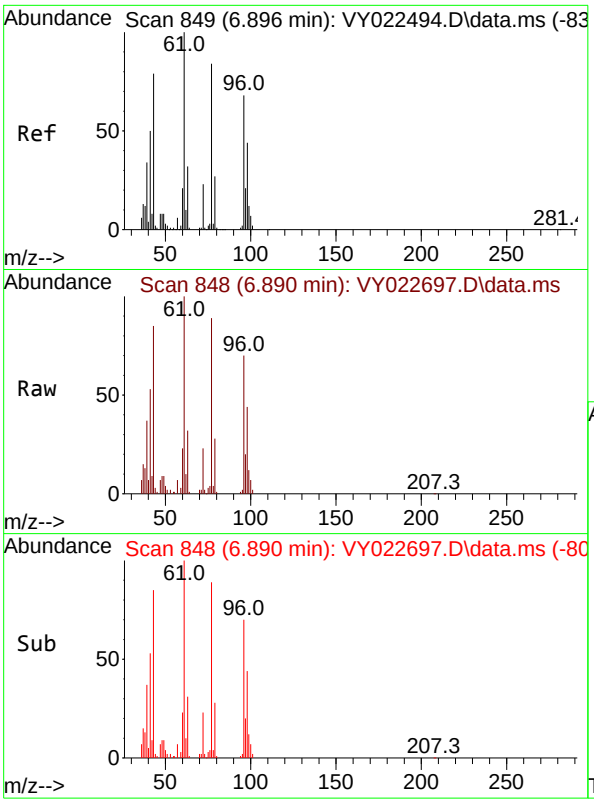


#26
2,2-Dichloropropane
Concen: 21.972 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 77 Resp: 66458

Ion	Ratio	Lower	Upper
77	100		
97	22.9	11.4	34.2



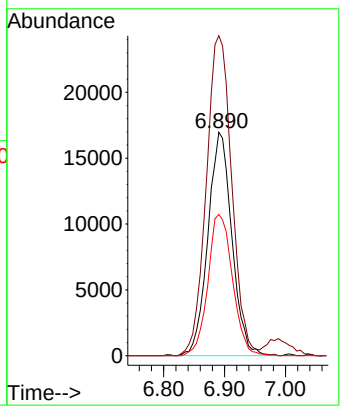


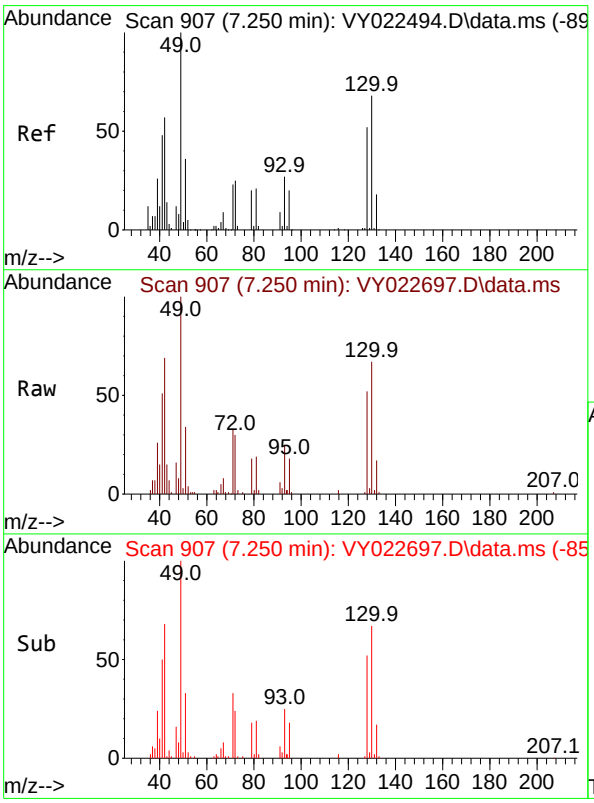
#27
cis-1,2-Dichloroethene
Concen: 21.574 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 96 Resp: 46410

Ion	Ratio	Lower	Upper
96	100		
61	152.0	0.0	290.0
98	64.9	0.0	128.4

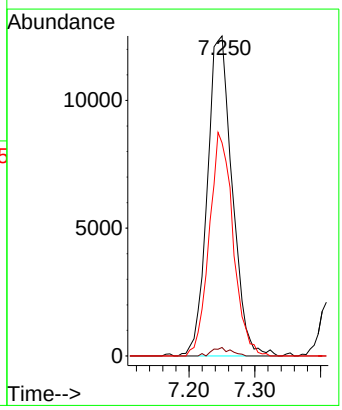


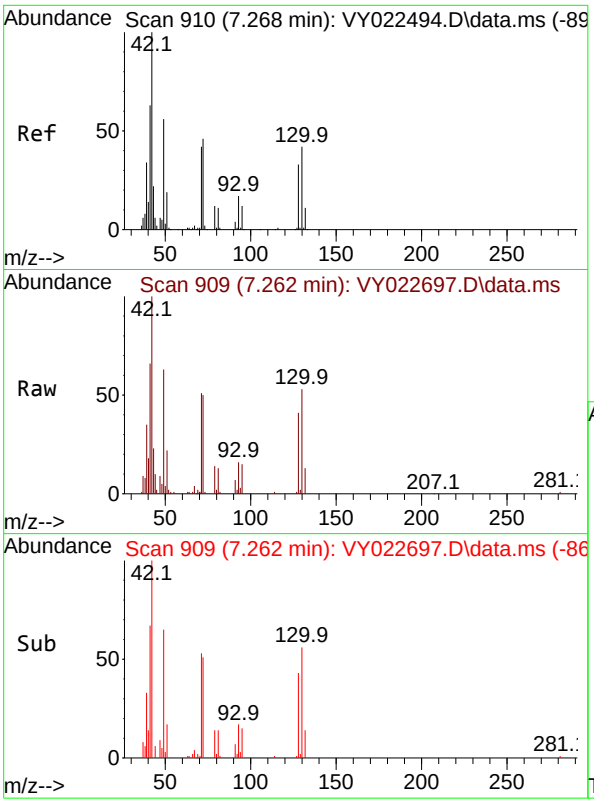


#28
Bromochloromethane
Concen: 22.107 ug/l
RT: 7.250 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 49 Resp: 32989

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	66.8	55.7	83.5



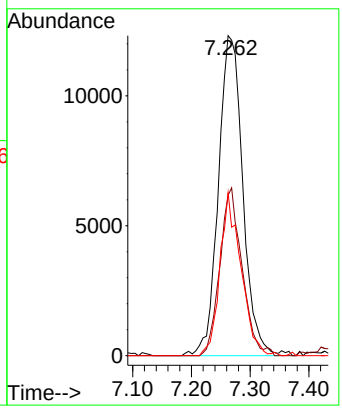


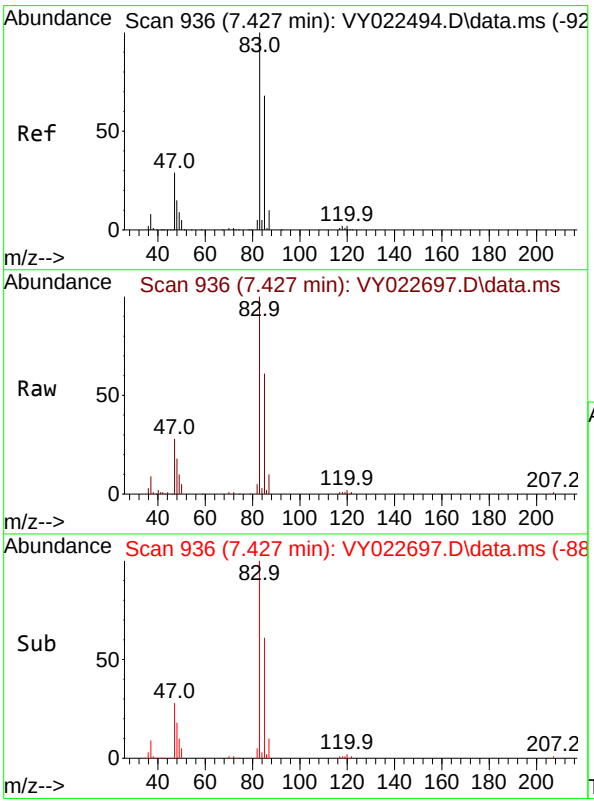
#29
Tetrahydrofuran
Concen: 106.057 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 42 Resp: 35539

Ion	Ratio	Lower	Upper
42	100		
72	47.7	37.4	56.2
71	43.9	34.2	51.2

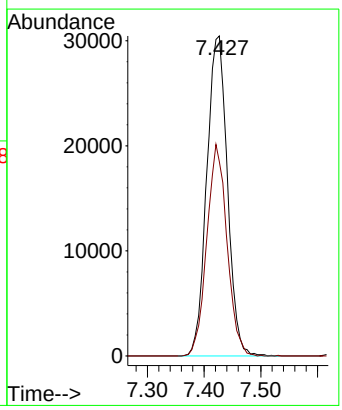


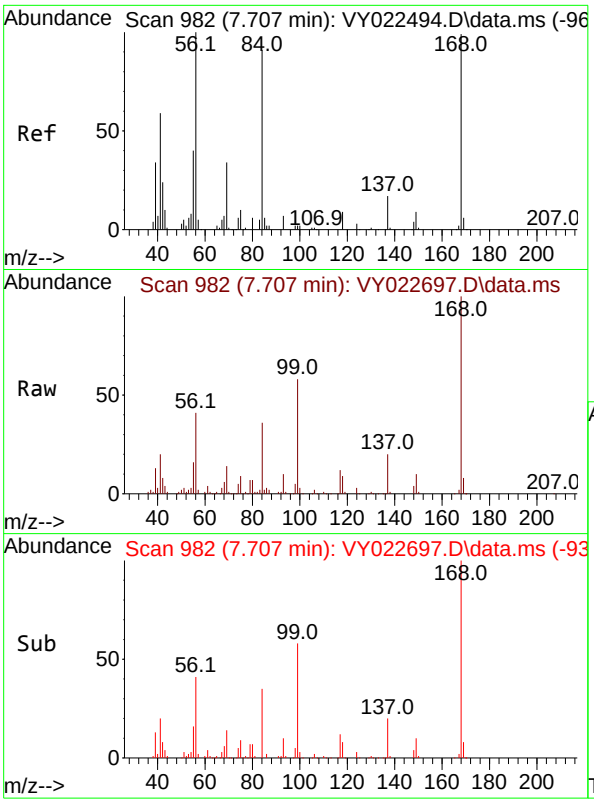


#30
Chloroform
Concen: 22.651 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 83 Resp: 76803

Ion	Ratio	Lower	Upper
83	100		
85	60.7	54.2	81.4



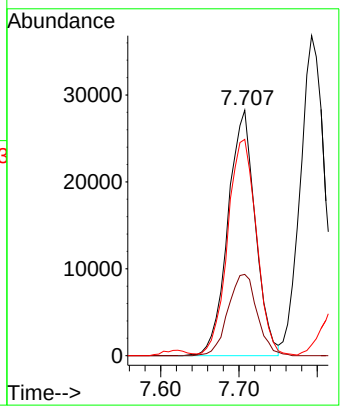


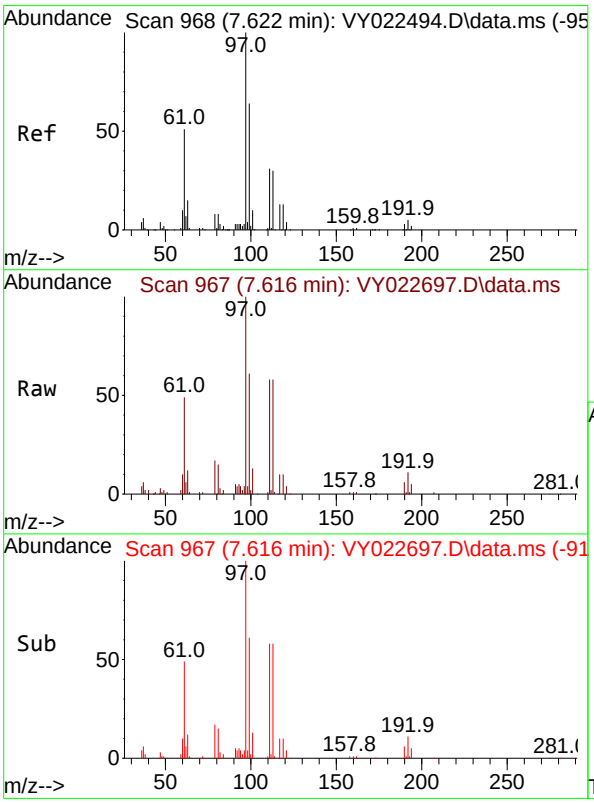
#31
Cyclohexane
Concen: 20.161 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 56 Resp: 68711

Ion	Ratio	Lower	Upper
56	100		
69	33.1	27.0	40.6
84	86.1	72.6	109.0

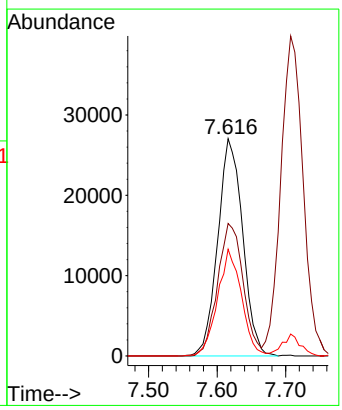


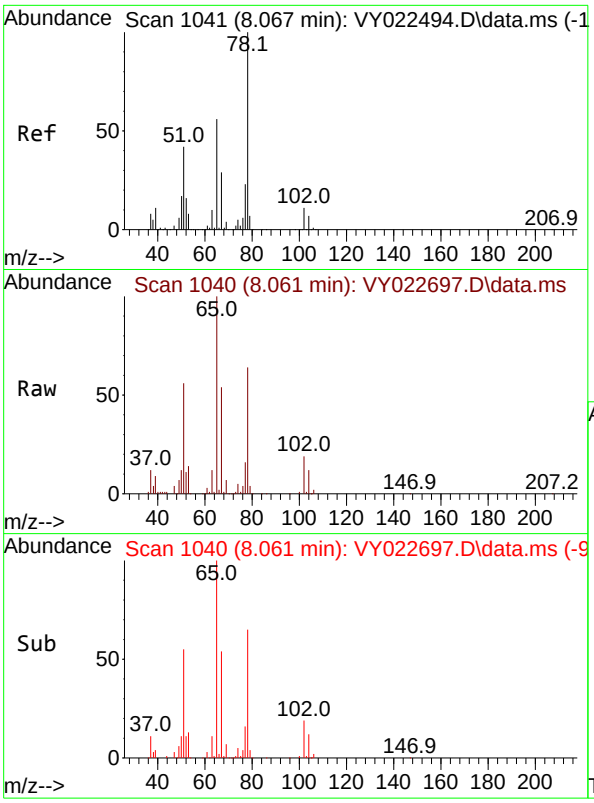


#32
1,1,1-Trichloroethane
Concen: 22.710 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 97 Resp: 68356

Ion	Ratio	Lower	Upper
97	100		
99	62.7	50.9	76.3
61	47.1	38.5	57.7



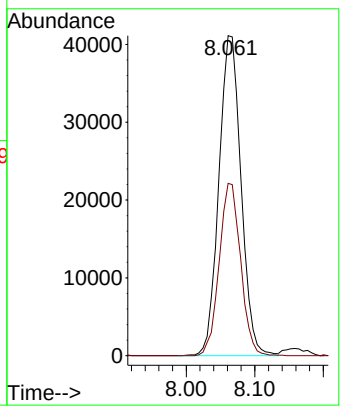


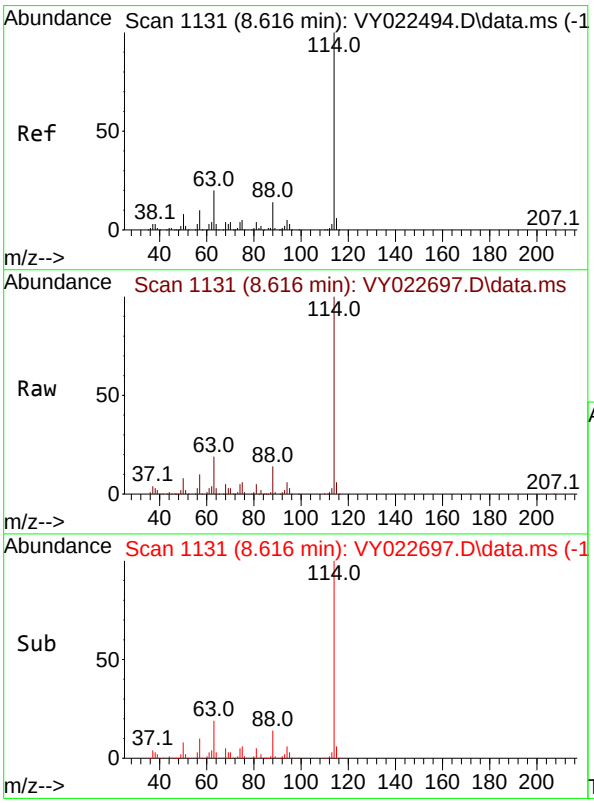
#33
1,2-Dichloroethane-d4
Concen: 52.044 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 65 Resp: 92304

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.4

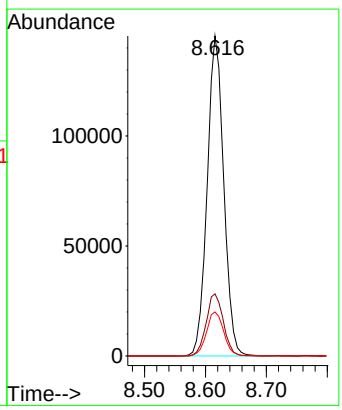


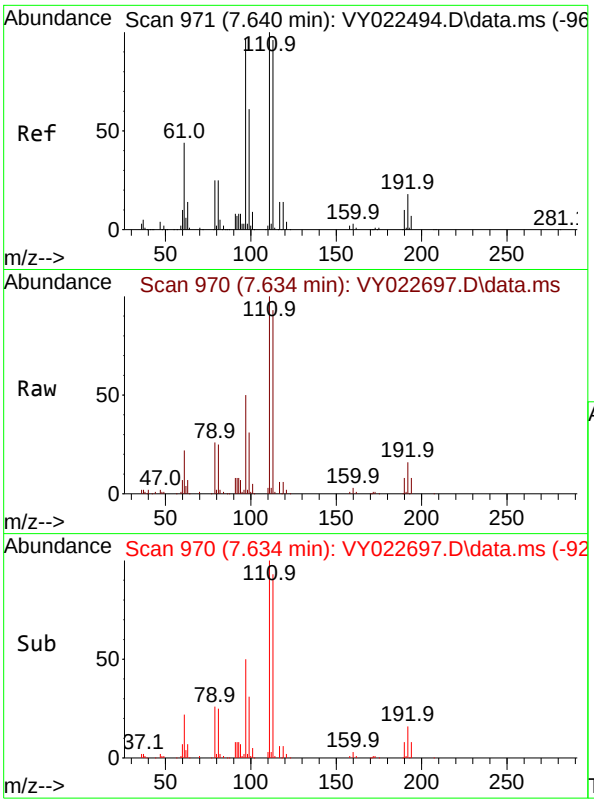


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:114 Resp: 274493

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	40.8
88	13.8	0.0	27.8



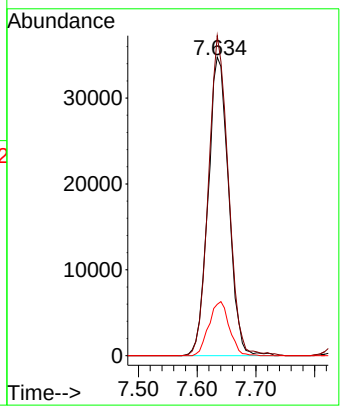


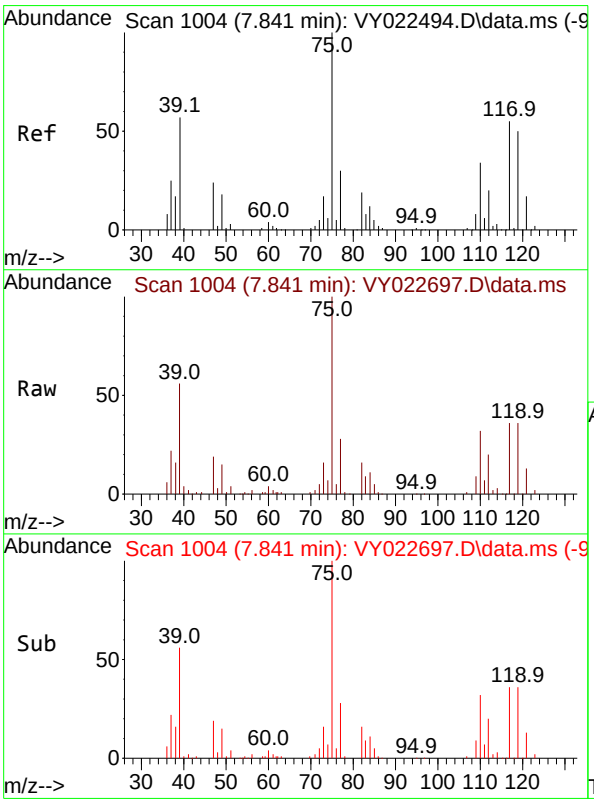
#35
Dibromofluoromethane
Concen: 51.426 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion:113 Resp: 84256

Ion	Ratio	Lower	Upper
113	100		
111	104.3	81.1	121.7
192	18.0	14.2	21.2

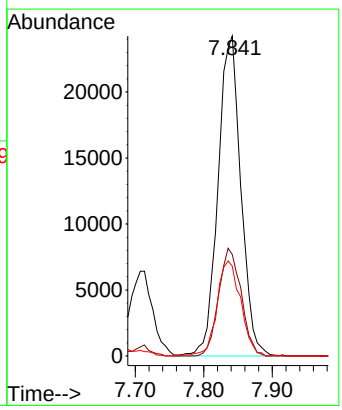


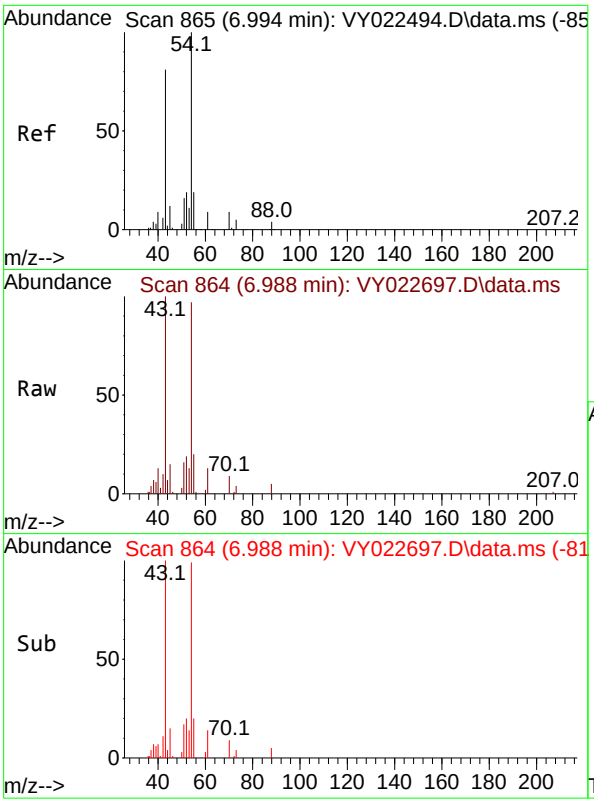


#36
1,1-Dichloropropene
Concen: 21.139 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 75 Resp: 56212

Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.9	50.7
77	30.7	24.8	37.2



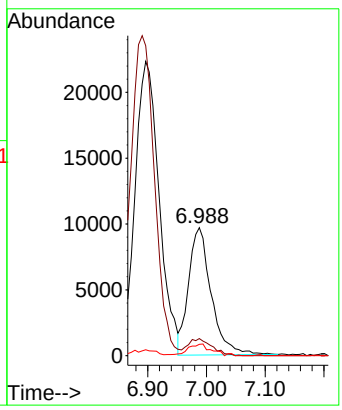


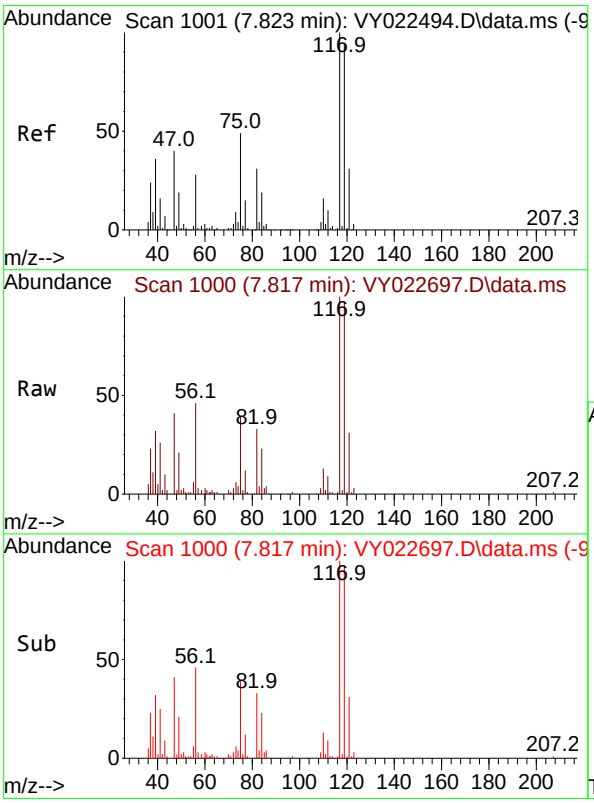
#37
Ethyl Acetate
Concen: 21.787 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 43 Resp: 25836

Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.5	17.3
70	9.8	7.2	10.8

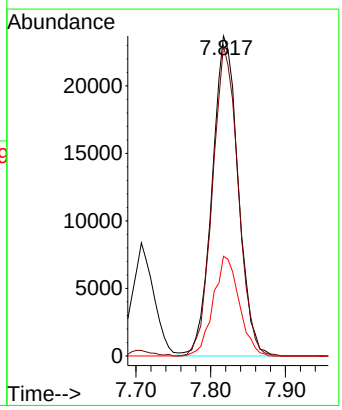


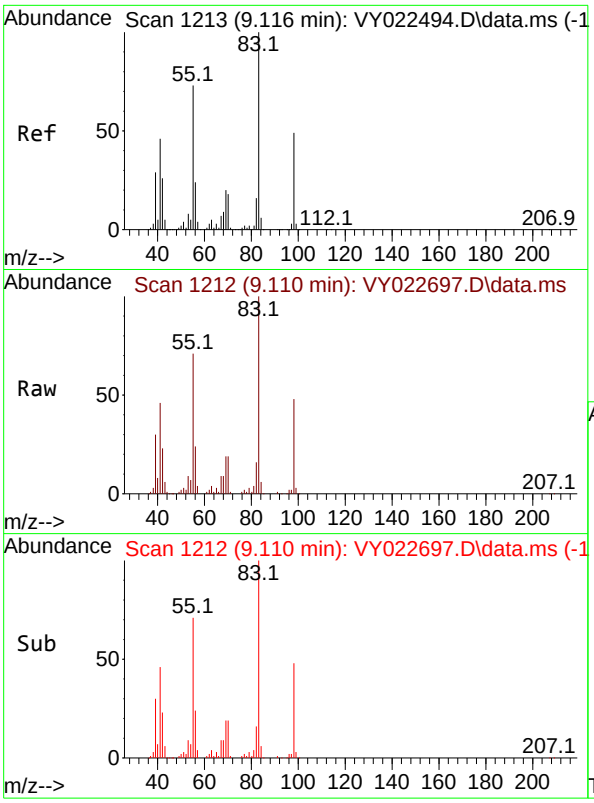


#38
Carbon Tetrachloride
Concen: 21.047 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:117 Resp: 57413

Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.0	112.6
121	31.1	25.0	37.4



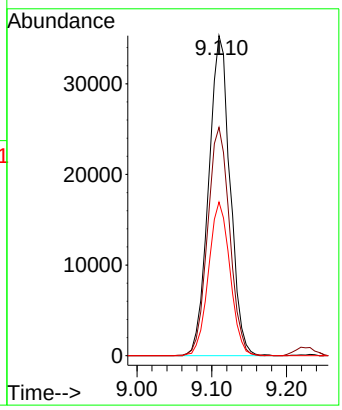


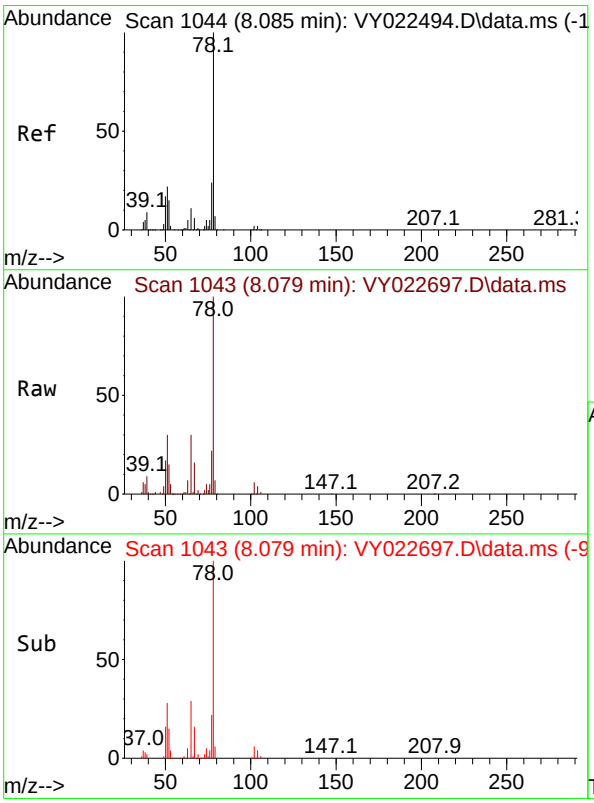
#39
Methylcyclohexane
Concen: 19.690 ug/l
RT: 9.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 83 Resp: 70362

Ion	Ratio	Lower	Upper
83	100		
55	71.3	58.1	87.1
98	48.0	39.0	58.6

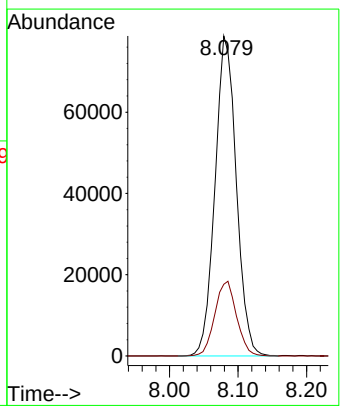


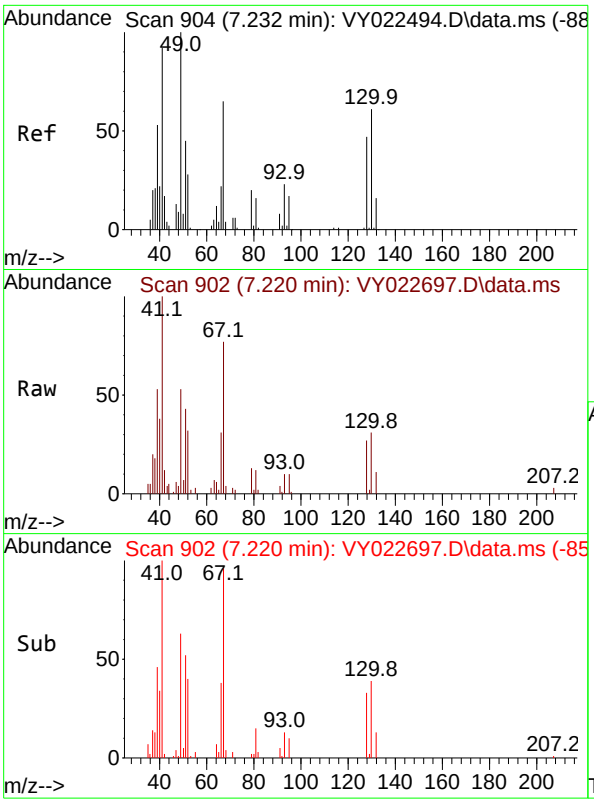


#40
Benzene
Concen: 21.624 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 78 Resp: 169830

Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.3	28.9



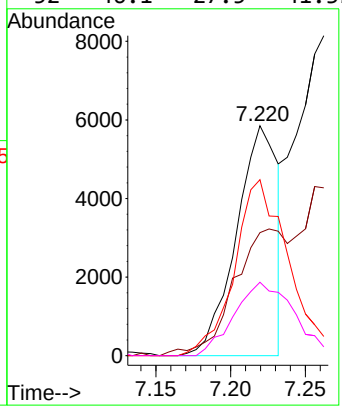


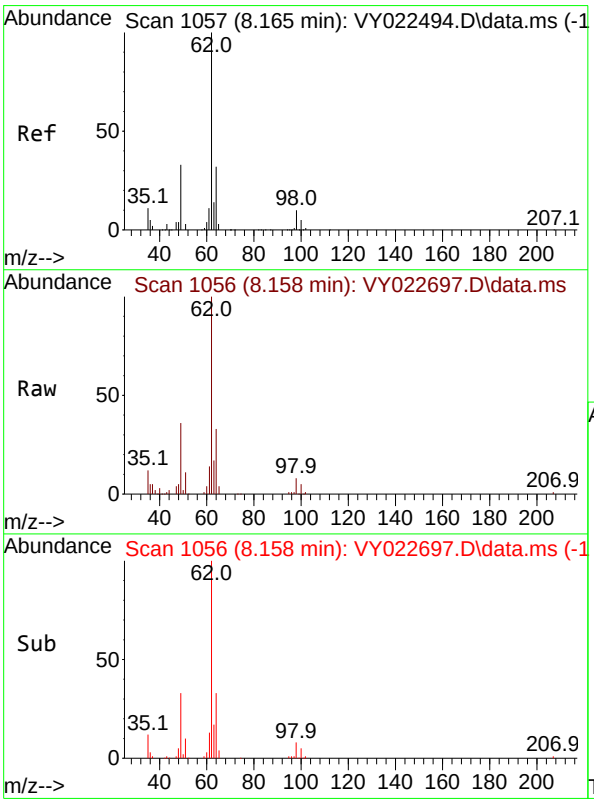
#41
Methacrylonitrile
Concen: 16.295 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 41 Resp: 11287

Ion	Ratio	Lower	Upper
41	100		
39	70.2	46.6	69.8#
67	101.4	63.3	94.9#
52	46.1	27.5	41.3#

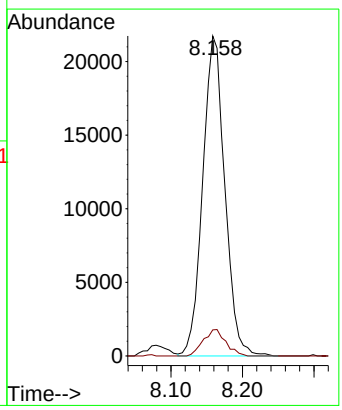


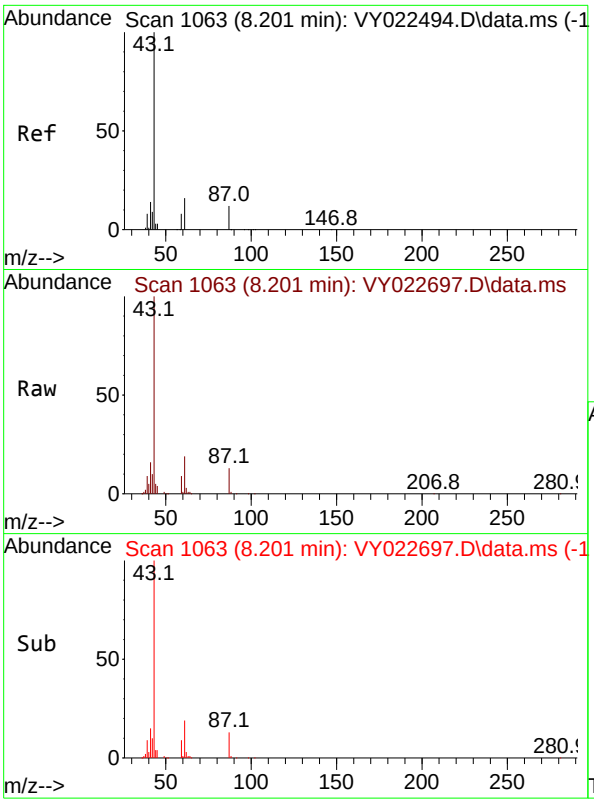


#42
1,2-Dichloroethane
Concen: 21.775 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 62 Resp: 46696

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	19.2



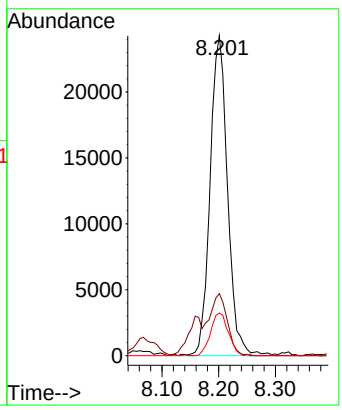


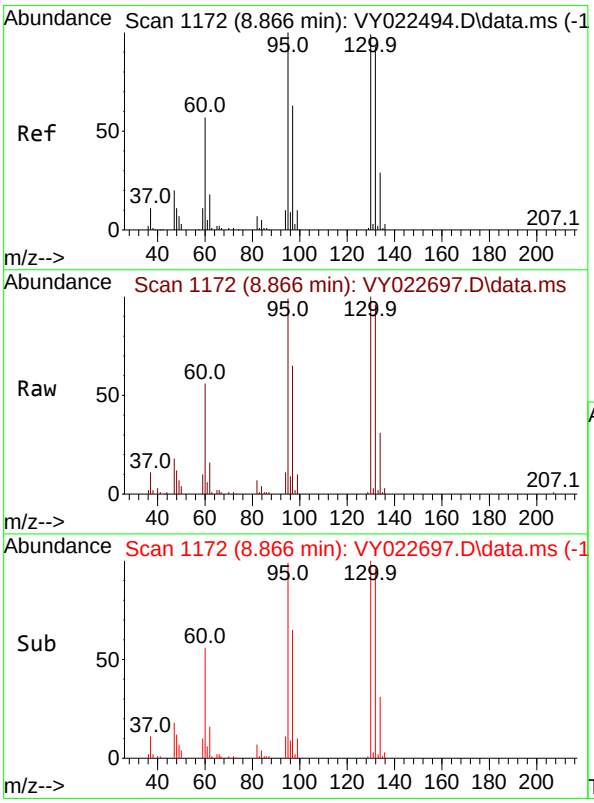
#43
Isopropyl Acetate
Concen: 20.280 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 43 Resp: 51938

Ion	Ratio	Lower	Upper
43	100		
61	18.3	15.6	23.4
87	13.6	10.2	15.4

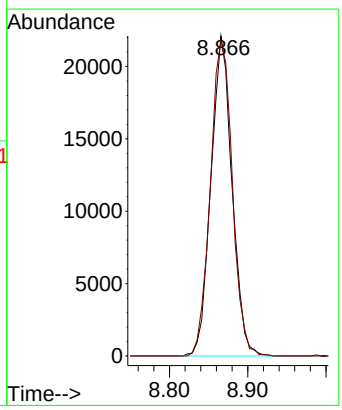


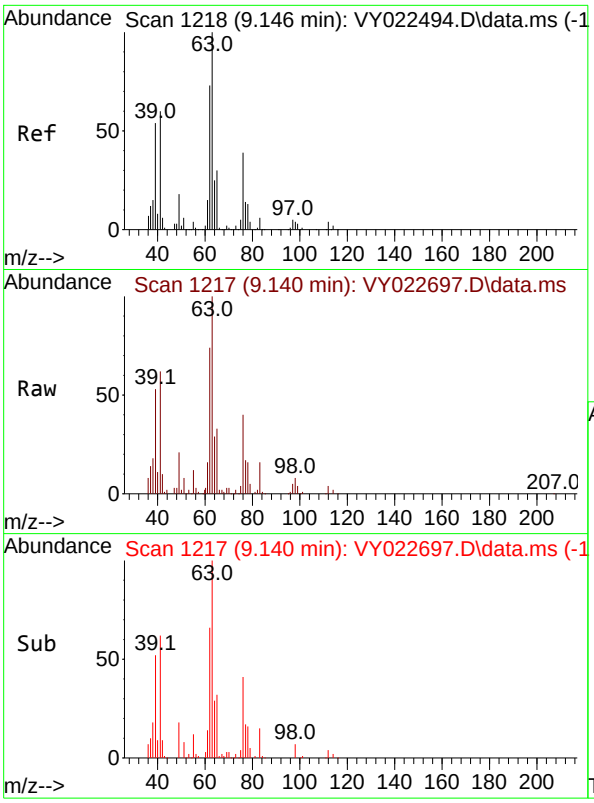


#44
Trichloroethene
Concen: 21.498 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:130 Resp: 41267

Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	203.0



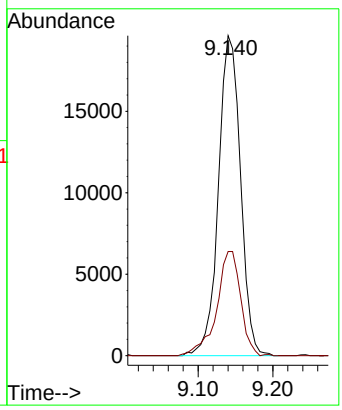


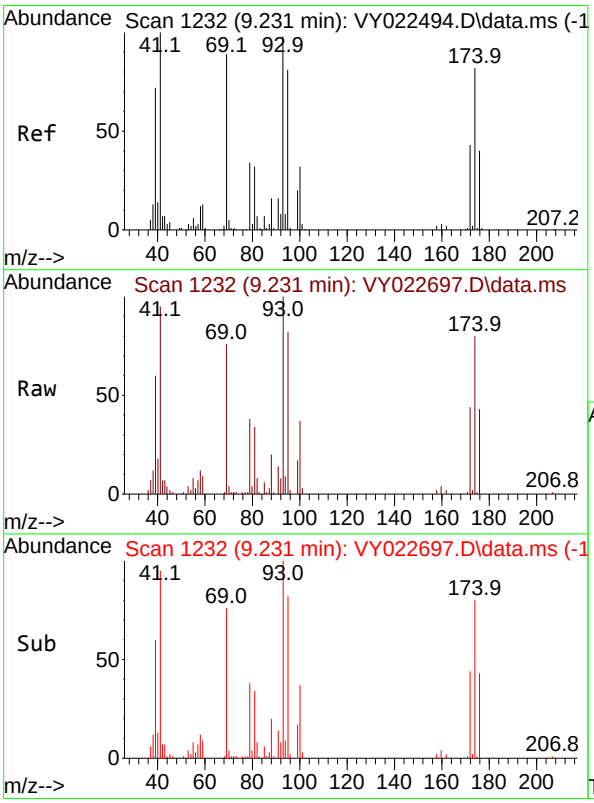
#45
1,2-Dichloropropane
Concen: 21.749 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 63 Resp: 40369

Ion	Ratio	Lower	Upper
63	100		
65	32.6	24.0	36.0

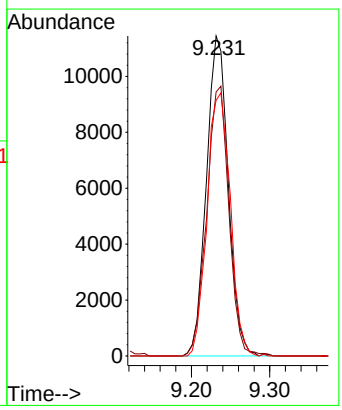


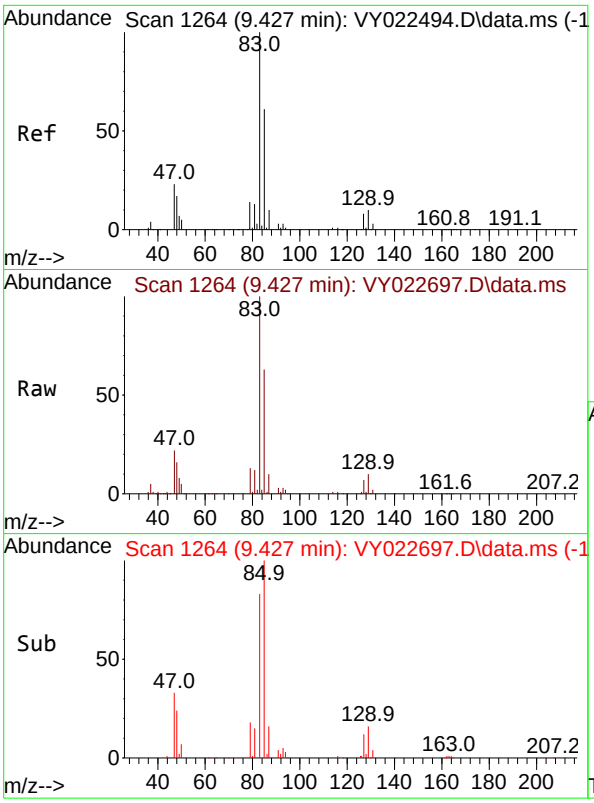


#46
Dibromomethane
Concen: 21.257 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 93 Resp: 22198

Ion	Ratio	Lower	Upper
93	100		
95	85.5	65.6	98.4
174	87.3	70.4	105.6



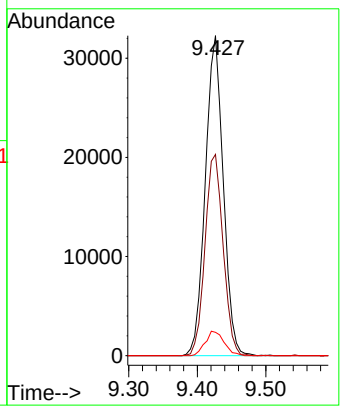


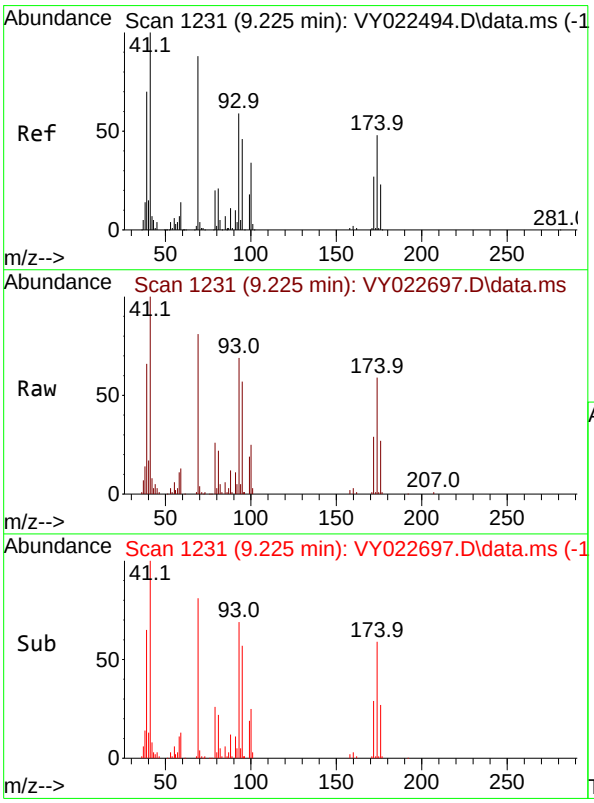
#47
Bromodichloromethane
Concen: 22.169 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 83 Resp: 58700

Ion	Ratio	Lower	Upper
83	100		
85	62.9	49.1	73.7
127	7.3	6.2	9.4

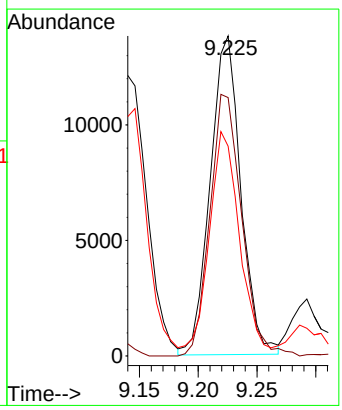


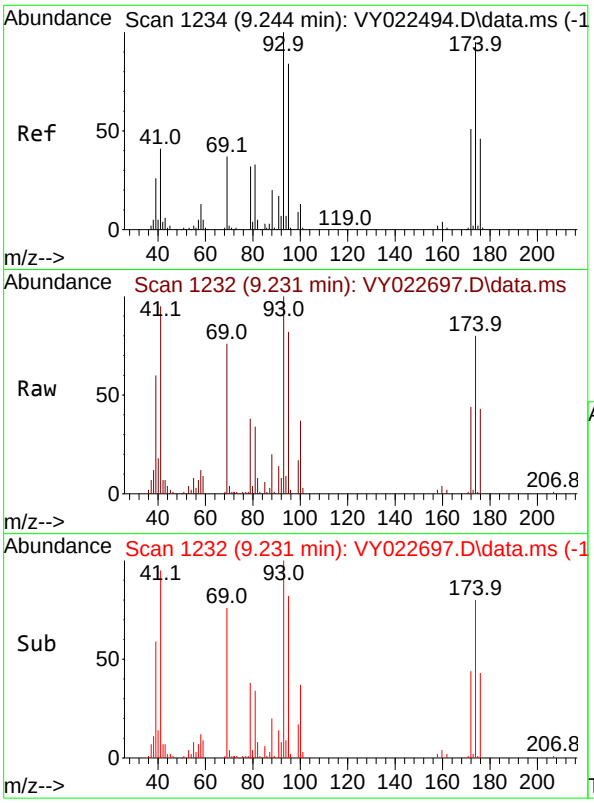


#48
Methyl methacrylate
Concen: 20.836 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 41 Resp: 25045

Ion	Ratio	Lower	Upper
41	100		
69	84.9	67.8	101.8
39	65.1	55.0	82.4



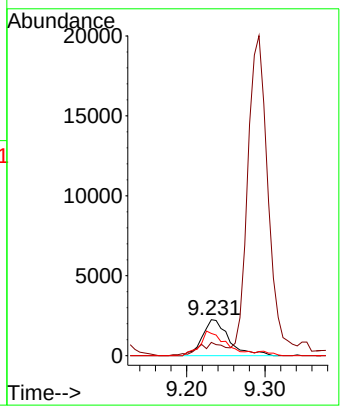


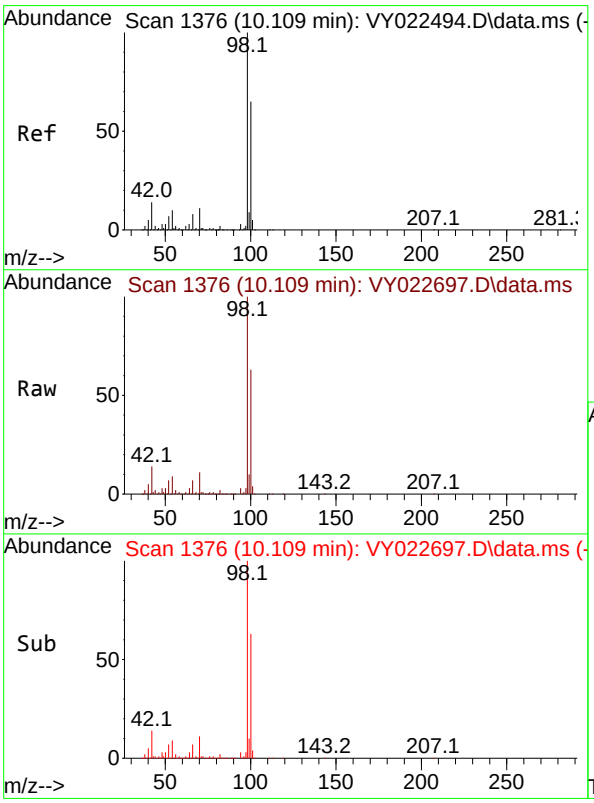
#49
1,4-Dioxane
Concen: 430.920 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 88 Resp: 5331

Ion	Ratio	Lower	Upper
88	100		
43	36.8	25.4	38.2
58	66.1	54.9	82.3

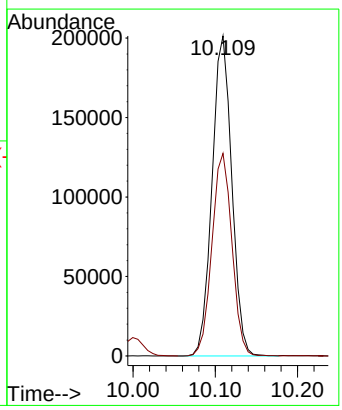


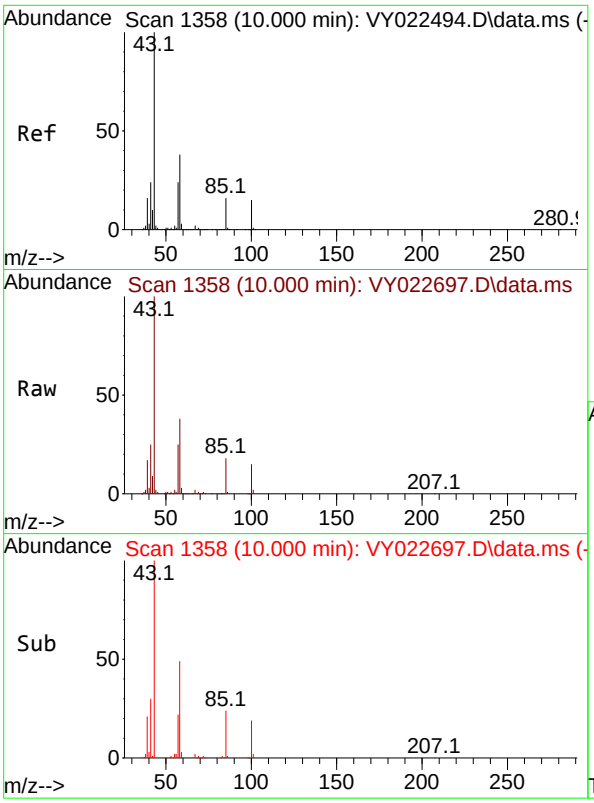


#50
Toluene-d8
Concen: 50.710 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 98 Resp: 335707

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.0



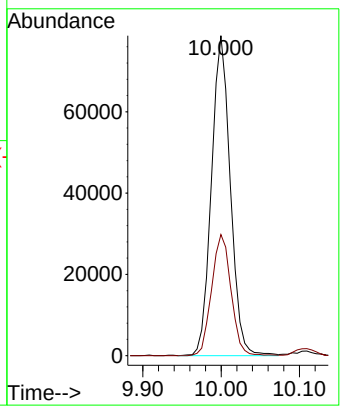


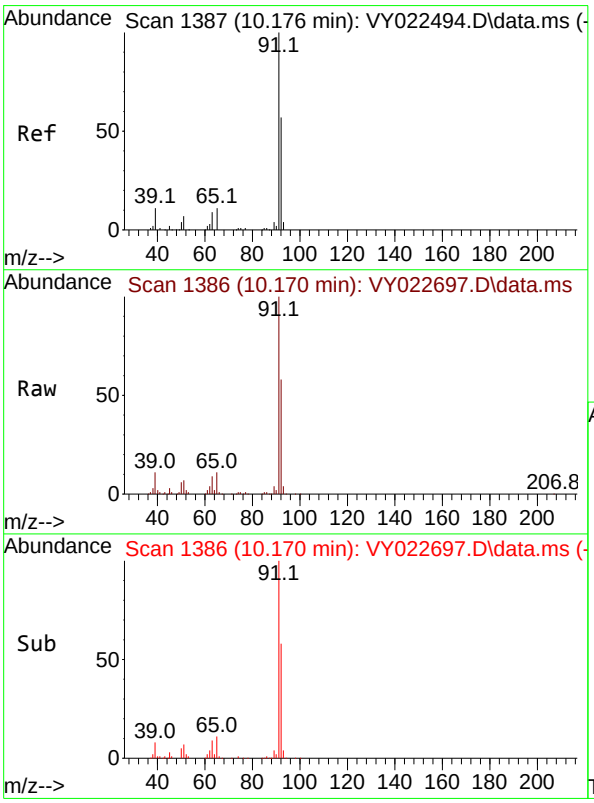
#51
4-Methyl-2-Pentanone
Concen: 103.413 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 43 Resp: 132045

Ion	Ratio	Lower	Upper
43	100		
58	38.9	30.4	45.6

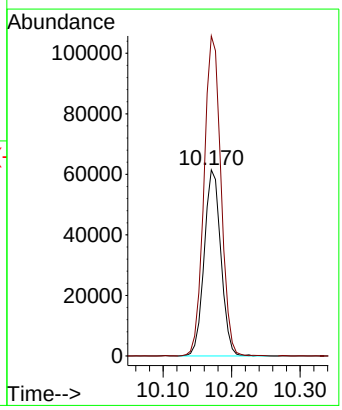


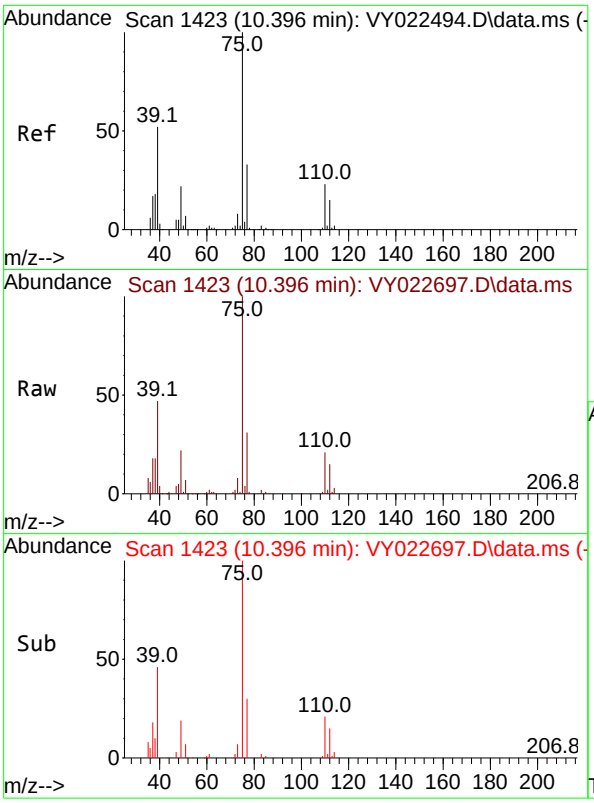


#52
Toluene
Concen: 21.081 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 92 Resp: 104048

Ion	Ratio	Lower	Upper
92	100		
91	174.6	139.0	208.4



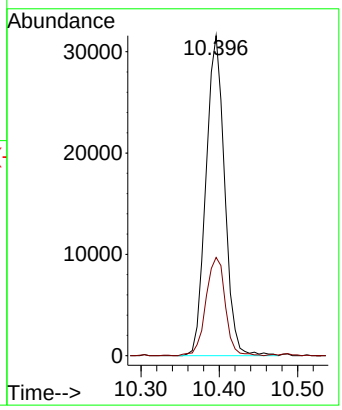


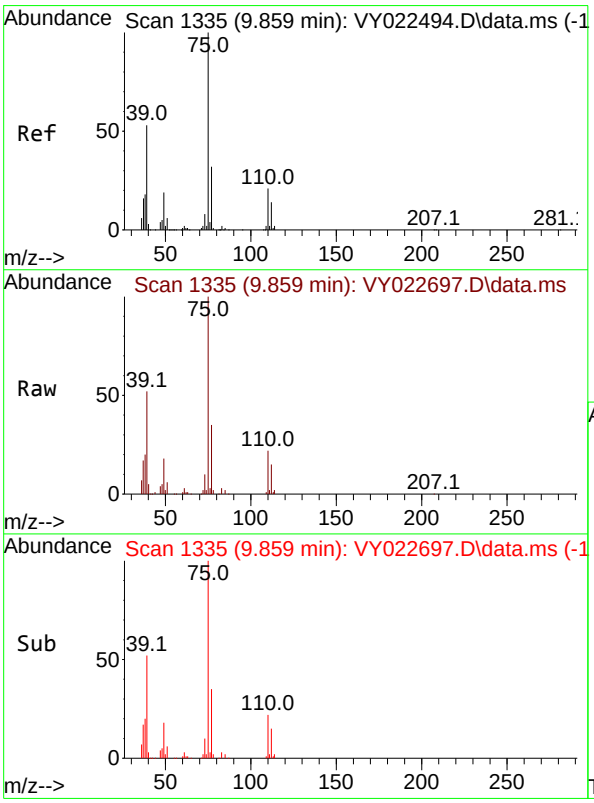
#53
t-1,3-Dichloropropene
Concen: 21.003 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 75 Resp: 52106

Ion	Ratio	Lower	Upper
75	100		
77	30.7	26.5	39.7

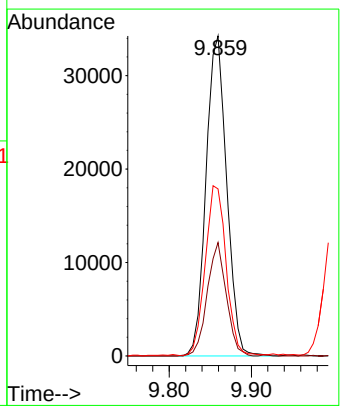


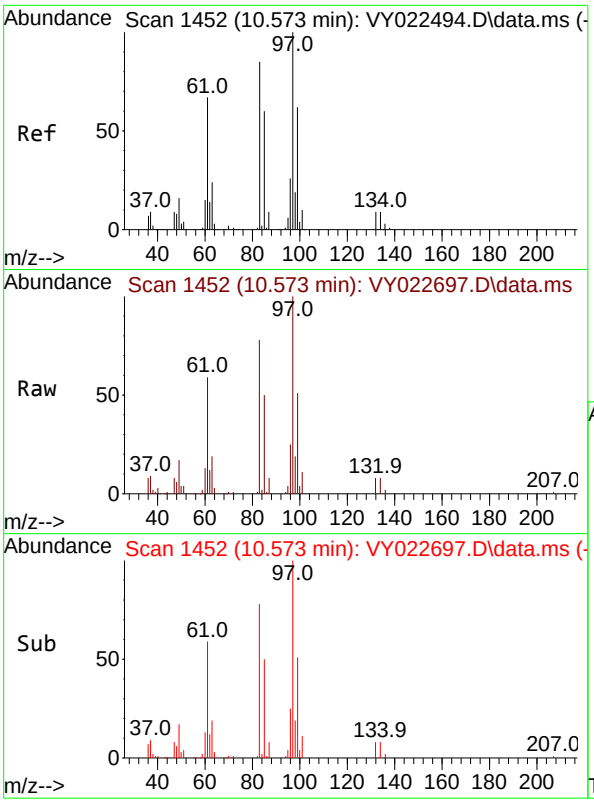


#54
cis-1,3-Dichloropropene
Concen: 20.671 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 75 Resp: 59697

Ion	Ratio	Lower	Upper
75	100		
77	35.5	25.3	37.9
39	52.0	42.7	64.1



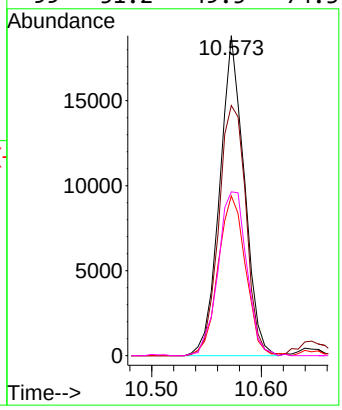


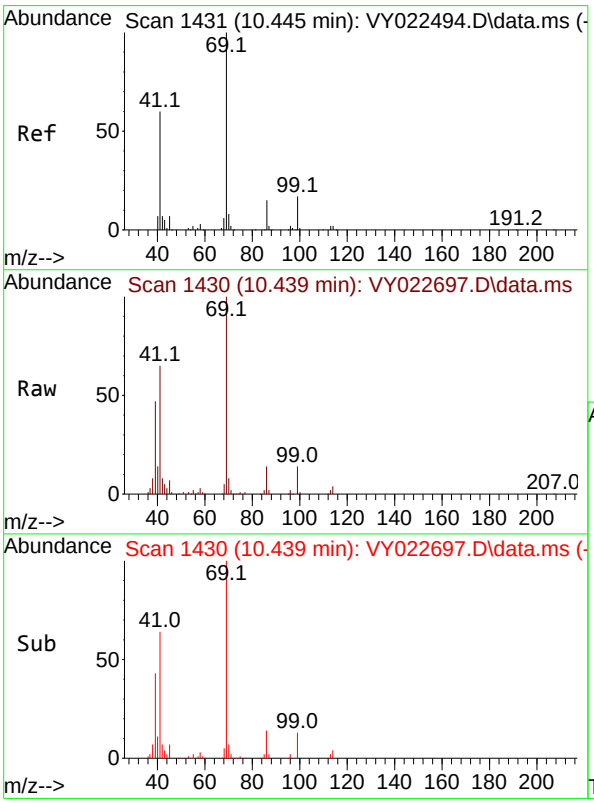
#55
1,1,2-Trichloroethane
Concen: 22.008 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 97 Resp: 29305

Ion	Ratio	Lower	Upper
97	100		
83	78.1	68.1	102.1
85	50.0	48.2	72.2
99	51.2	49.5	74.3

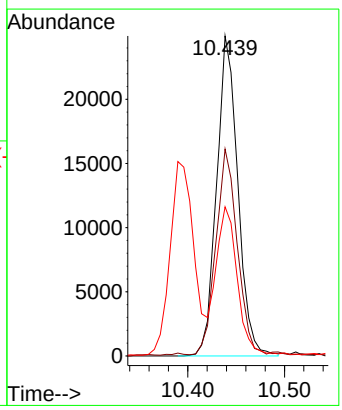


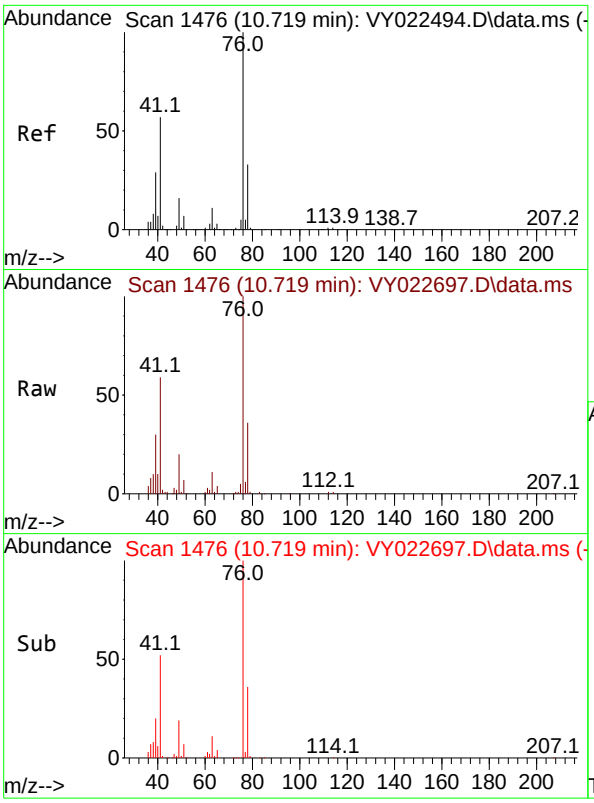


#56
Ethyl methacrylate
Concen: 19.733 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 69 Resp: 37977

Ion	Ratio	Lower	Upper
69	100		
41	64.4	52.2	78.2
39	45.8	36.7	55.1



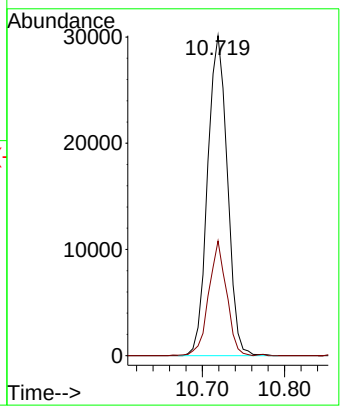


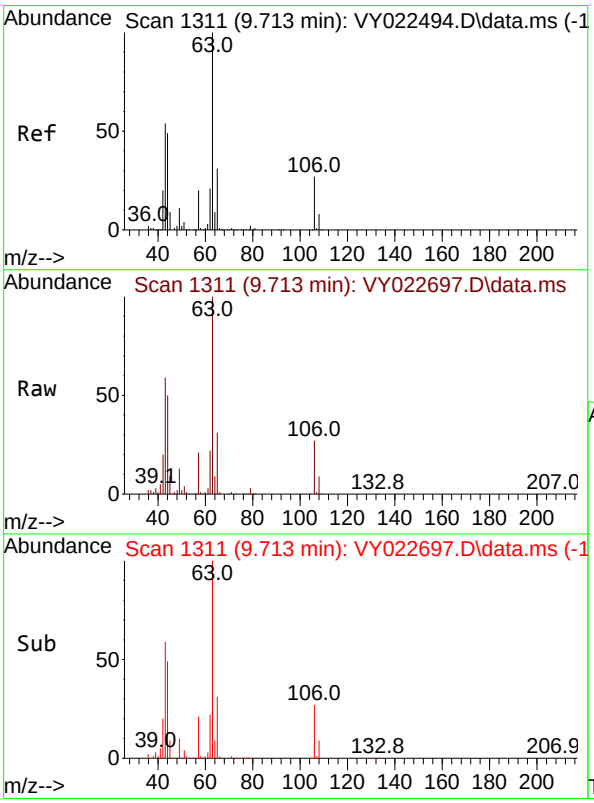
#57
1,3-Dichloropropane
Concen: 21.304 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 76 Resp: 50278

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8

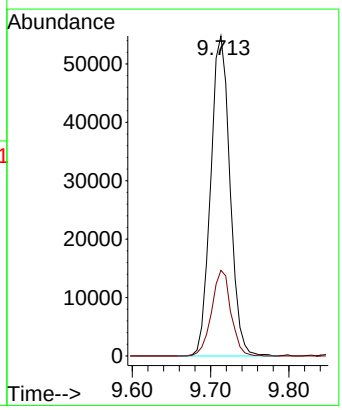


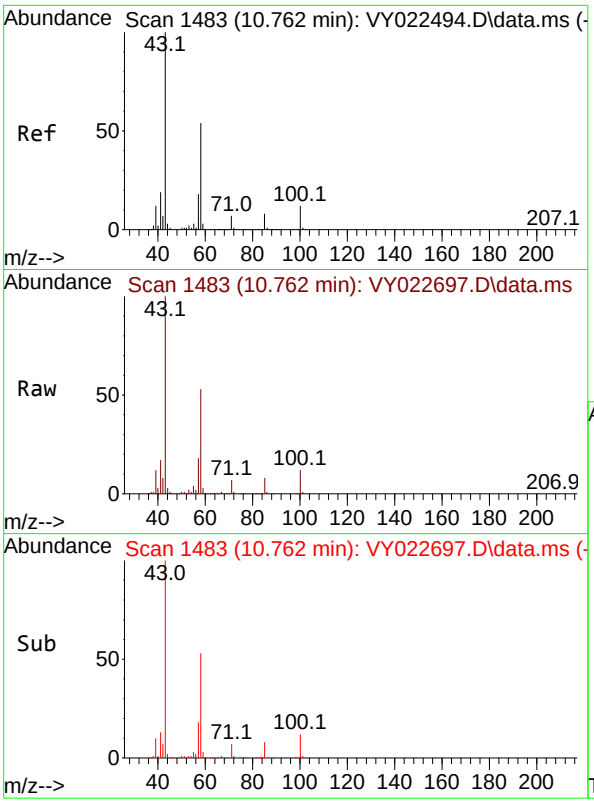


#58
2-Chloroethyl Vinyl ether
Concen: 107.377 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 63 Resp: 93823

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.6	32.4



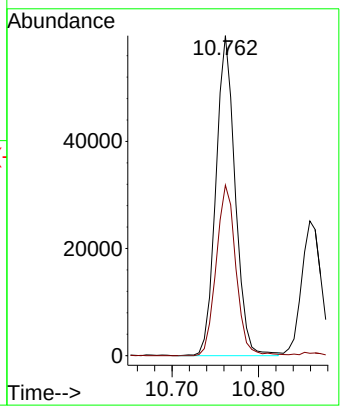


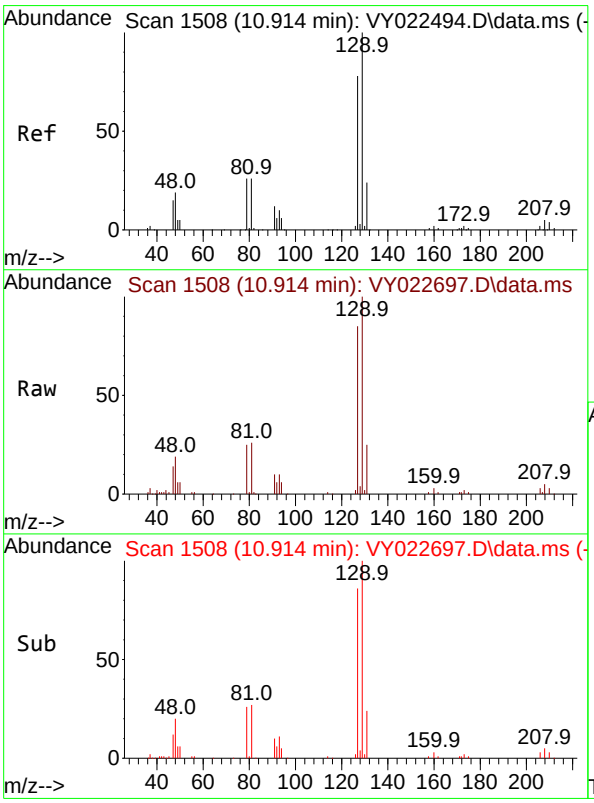
#59
2-Hexanone
Concen: 108.059 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 43 Resp: 92278

Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.3	81.8

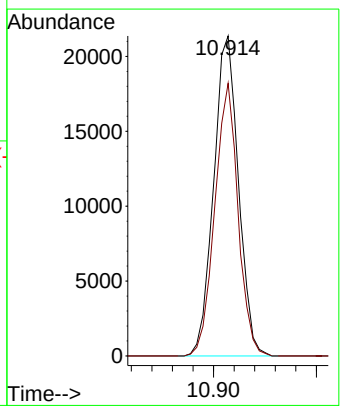


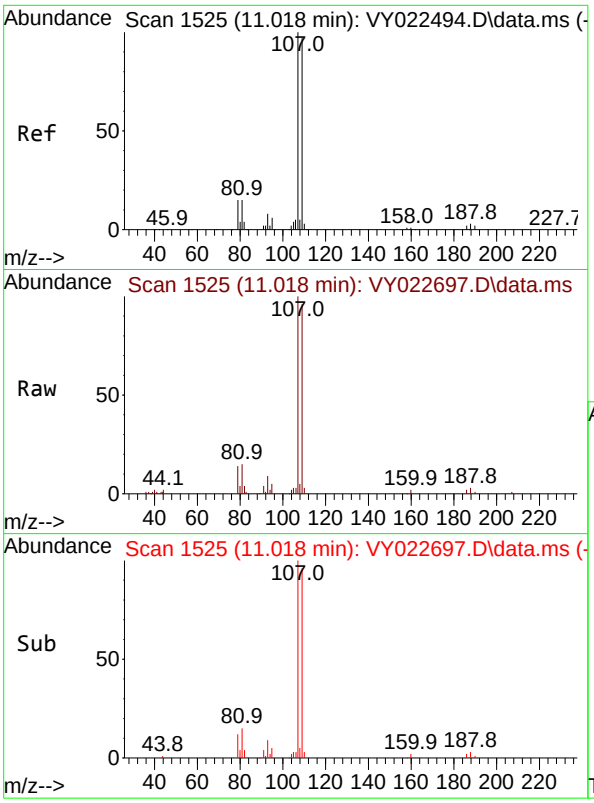


#60
Dibromochloromethane
Concen: 21.123 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:129 Resp: 35744

Ion	Ratio	Lower	Upper
129	100		
127	79.7	39.1	117.2



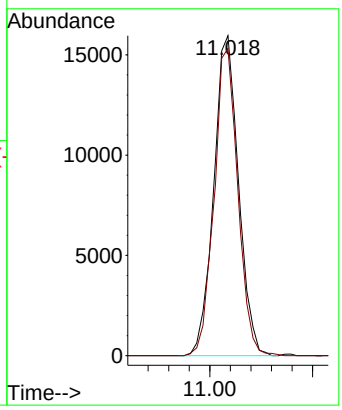


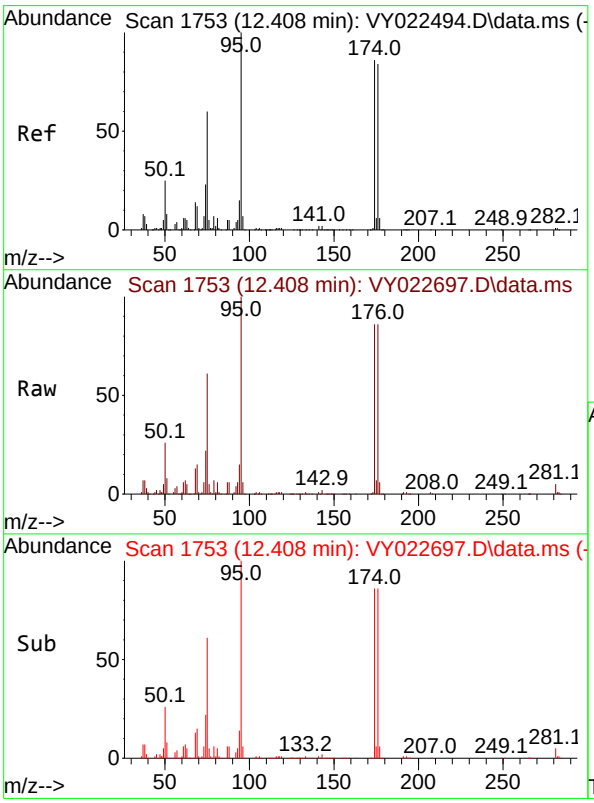
#61
1,2-Dibromoethane
Concen: 21.959 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion:107 Resp: 26650

Ion	Ratio	Lower	Upper
107	100		
109	92.0	77.7	116.5

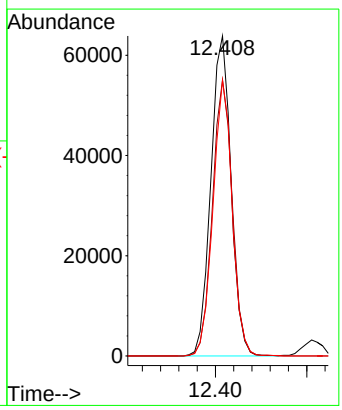


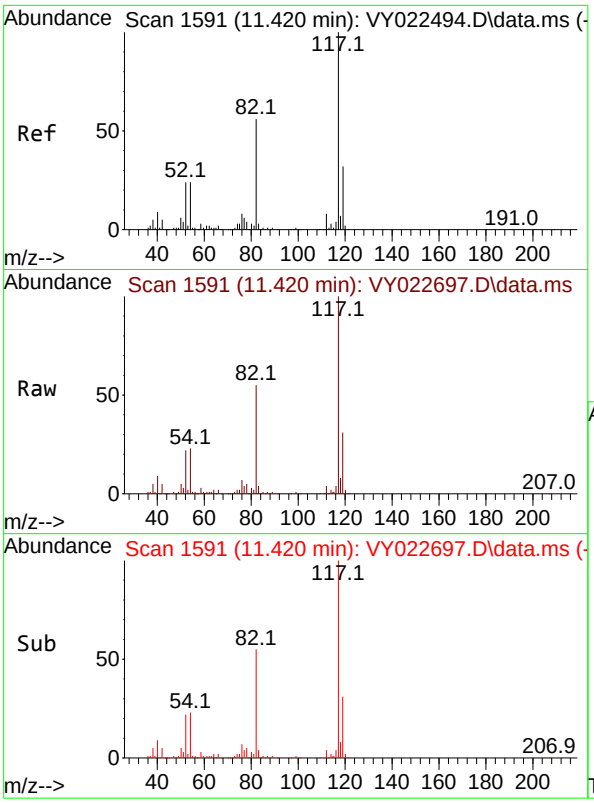


#62
4-Bromofluorobenzene
Concen: 49.582 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 95 Resp: 97799

Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	170.0
176	82.2	0.0	166.2



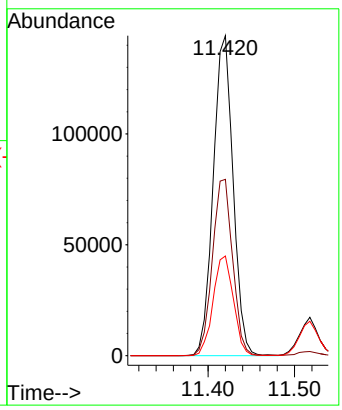


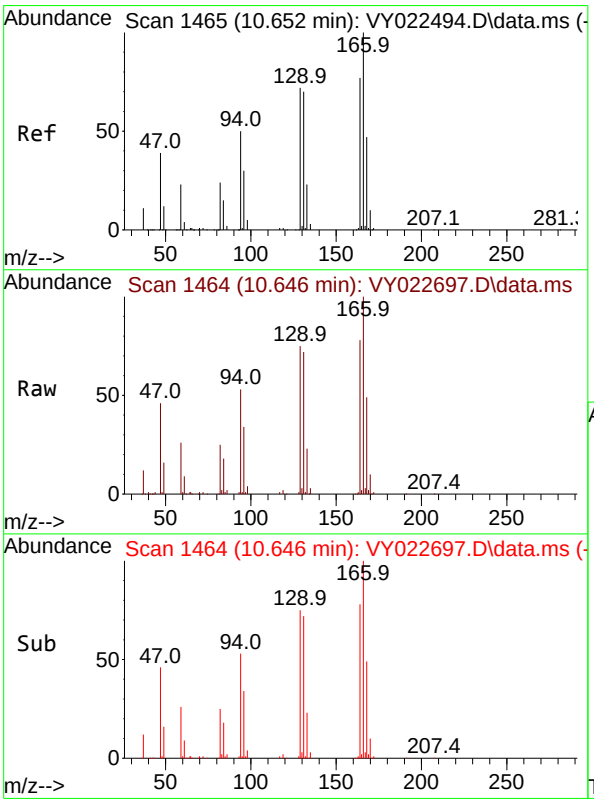
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion:117 Resp: 229894

Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.6	66.8
119	31.1	25.4	38.0

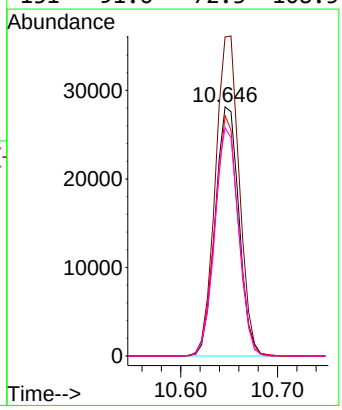


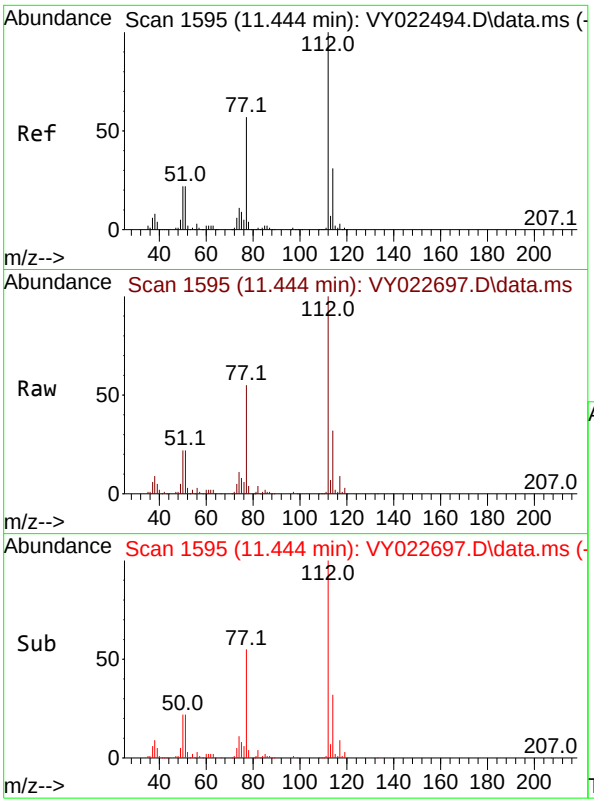


#64
Tetrachloroethene
Concen: 24.280 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:164 Resp: 48016

Ion	Ratio	Lower	Upper
164	100		
166	128.0	104.0	156.0
129	96.4	74.5	111.7
131	91.6	72.3	108.5



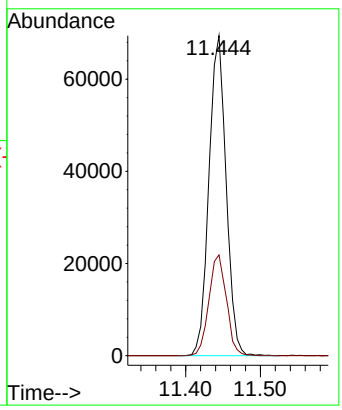


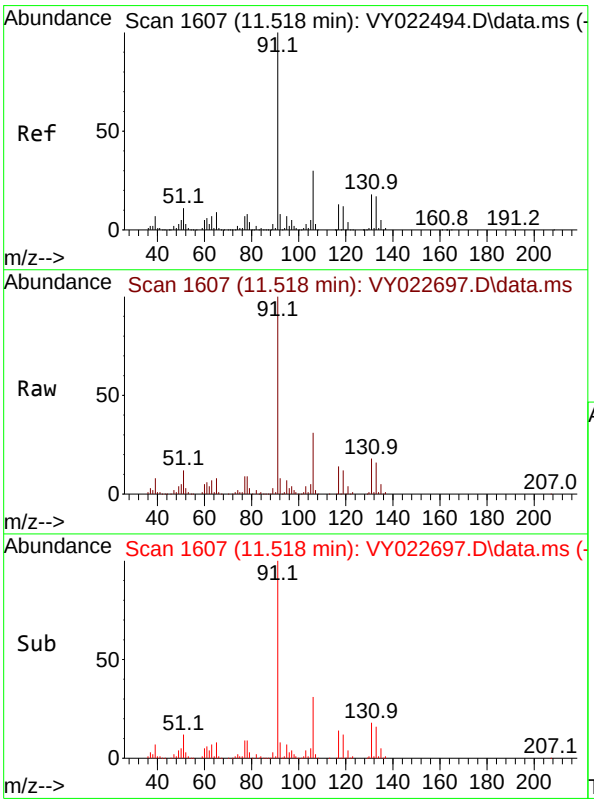
#65
Chlorobenzene
Concen: 21.747 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion:112 Resp: 110633

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.0	37.6

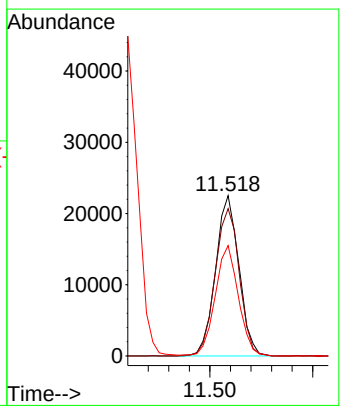


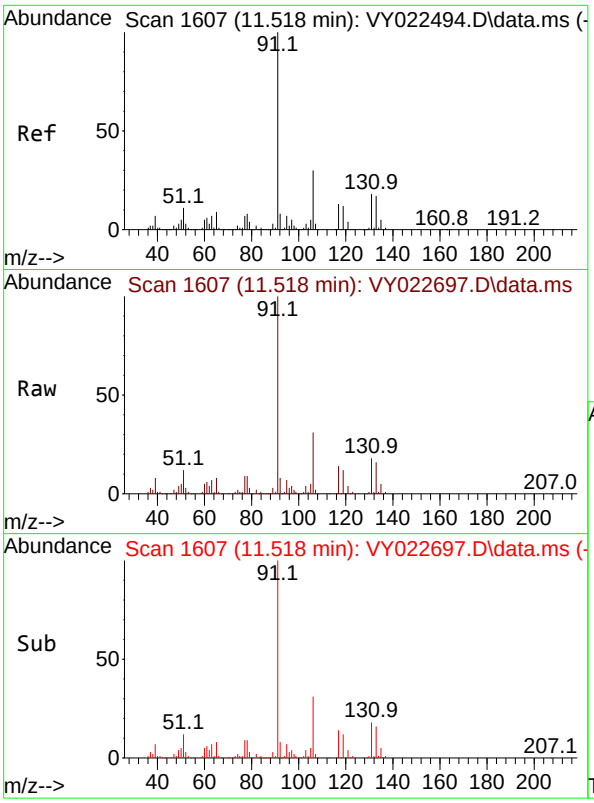


#66
1,1,1,2-Tetrachloroethane
Concen: 20.683 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:131 Resp: 35445

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.3	141.8
119	68.5	33.1	99.3



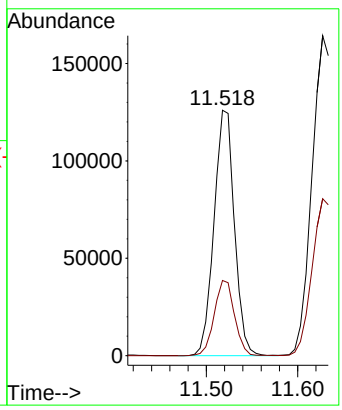


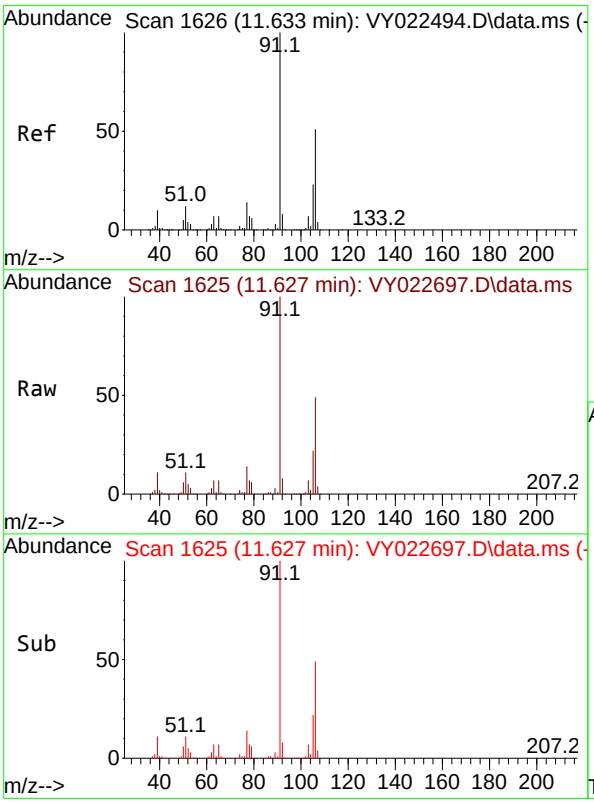
#67
Ethyl Benzene
Concen: 20.702 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 91 Resp: 195335

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.2	36.4

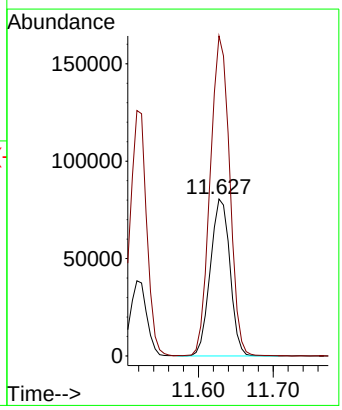


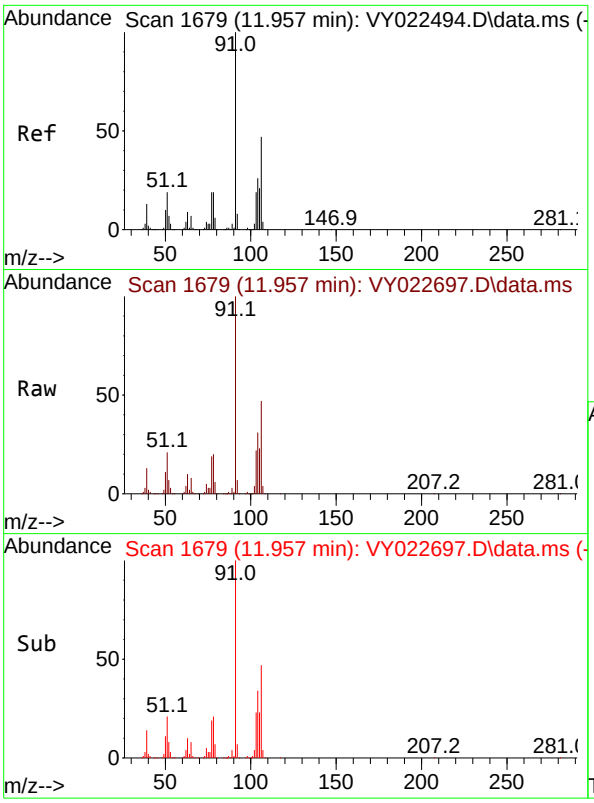


#68
m/p-Xylenes
Concen: 41.160 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:106 Resp: 147231

Ion	Ratio	Lower	Upper
106	100		
91	202.5	159.4	239.0



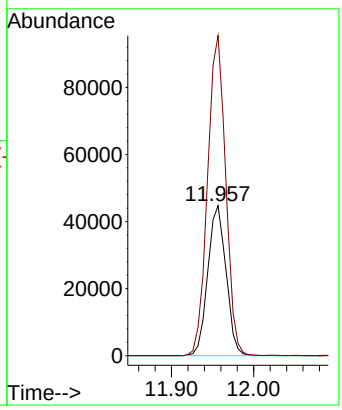


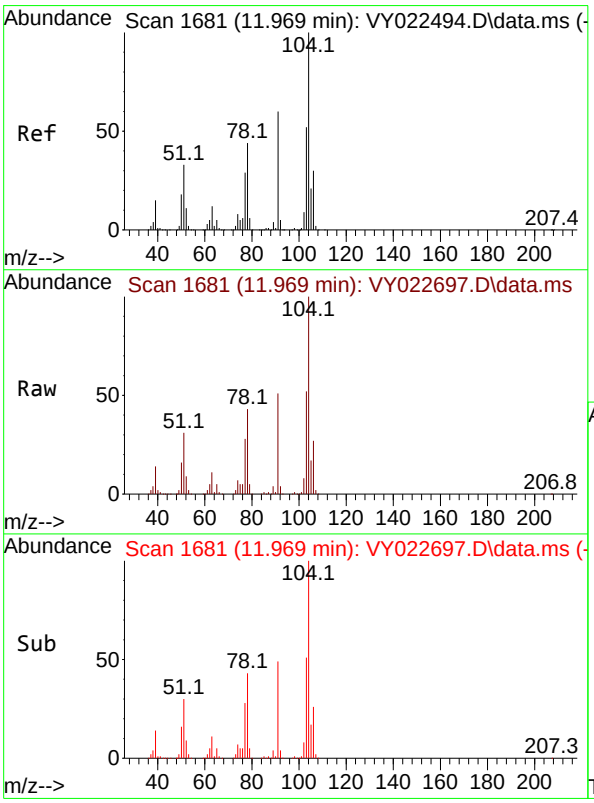
#69
o-Xylene
Concen: 20.588 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion:106 Resp: 69044

Ion	Ratio	Lower	Upper
106	100		
91	211.9	105.8	317.3

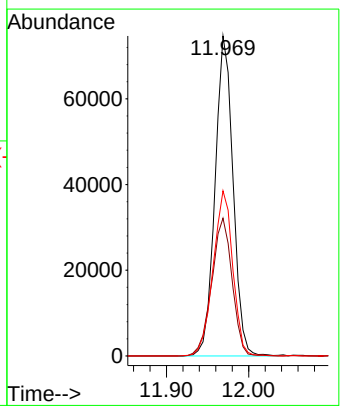


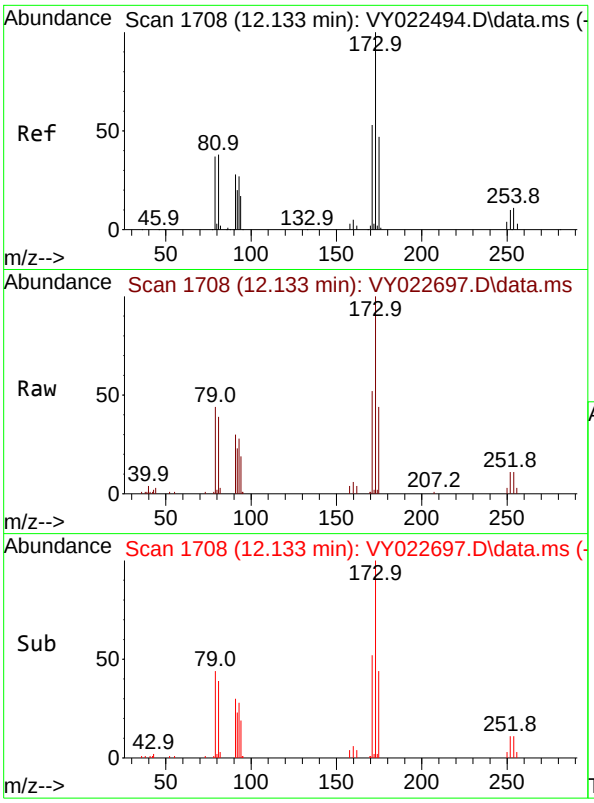


#70
Styrene
Concen: 20.513 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:104 Resp: 113714

Ion	Ratio	Lower	Upper
104	100		
78	48.7	39.5	59.3
103	56.2	44.1	66.1



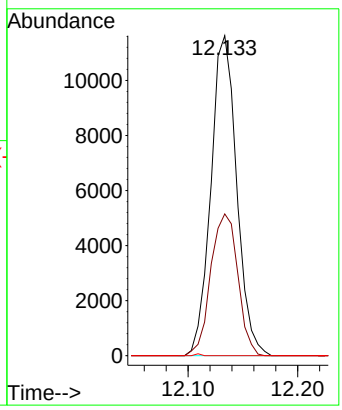


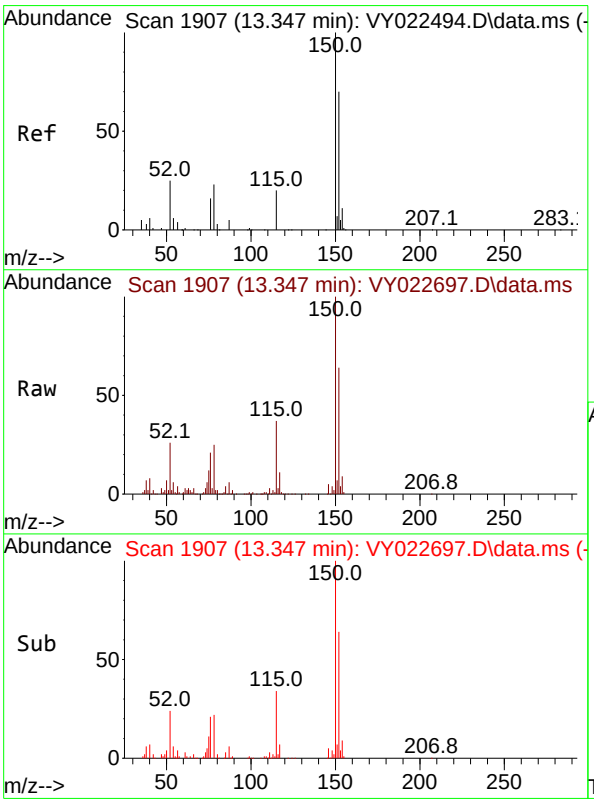
#71
Bromoform
Concen: 20.847 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion:173 Resp: 19012

Ion	Ratio	Lower	Upper
173	100		
175	46.5	23.8	71.5
254	0.0	0.0	0.0

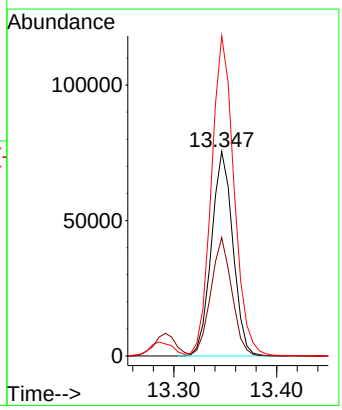


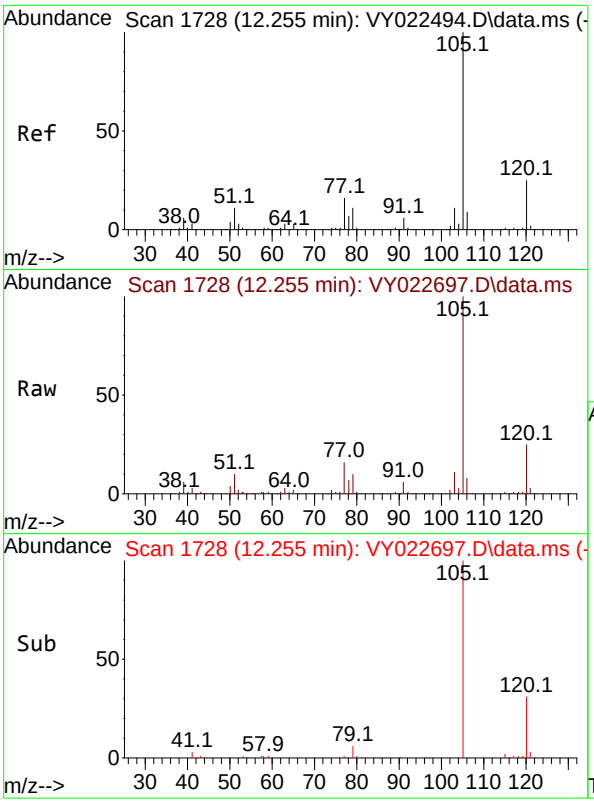


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:152 Resp: 109254

Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.9	86.7
150	165.5	0.0	349.6



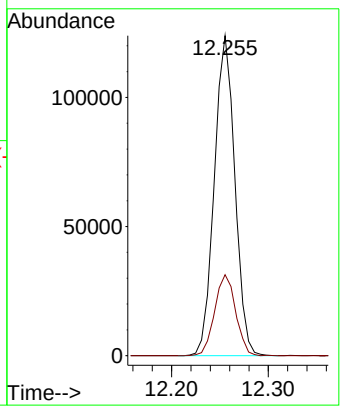


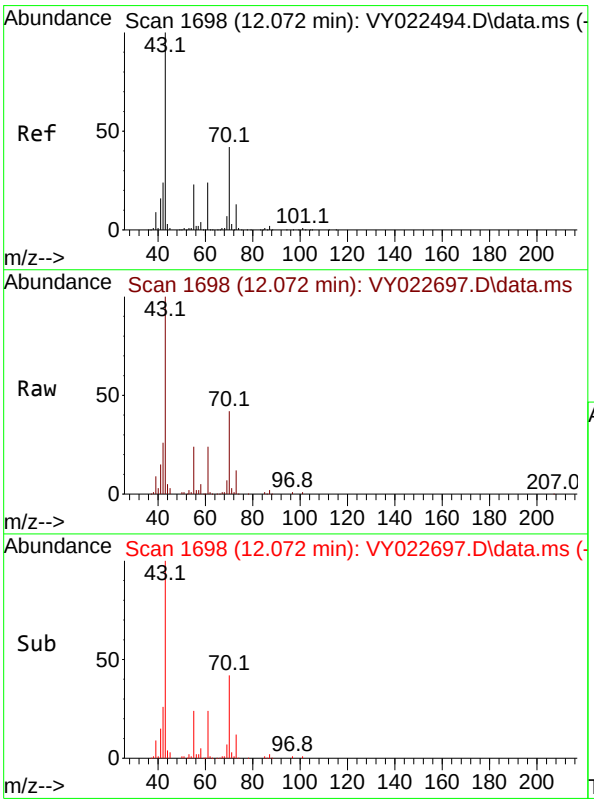
#73
Isopropylbenzene
Concen: 20.371 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion:105 Resp: 182723

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	38.9

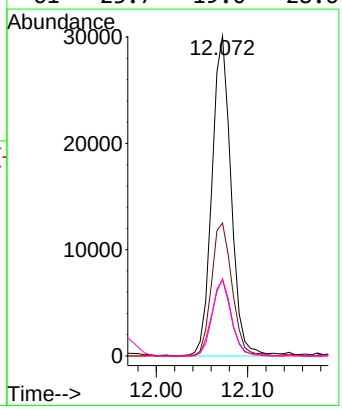


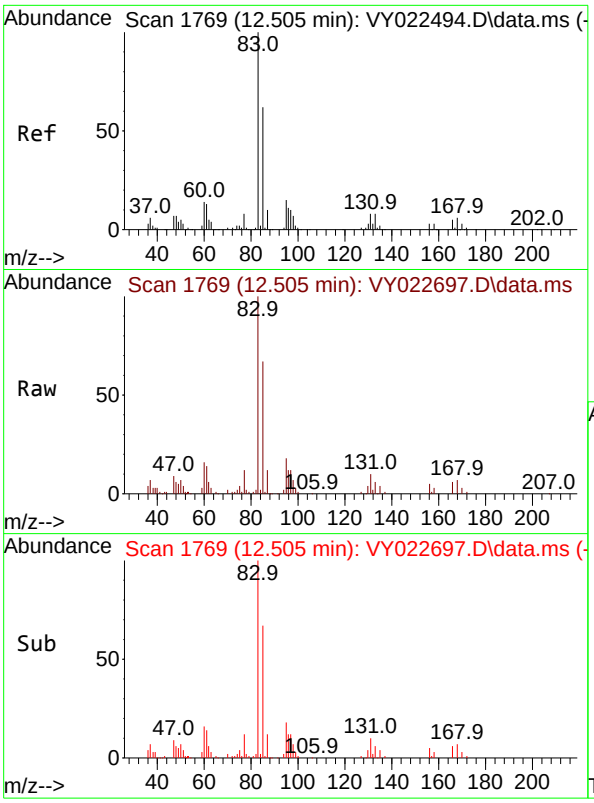


#74
N-amyl acetate
Concen: 19.363 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 43 Resp: 43824

Ion	Ratio	Lower	Upper
43	100		
70	44.7	34.2	51.2
55	24.5	18.2	27.4
61	23.7	19.0	28.6



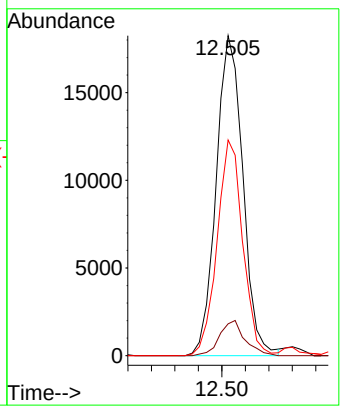


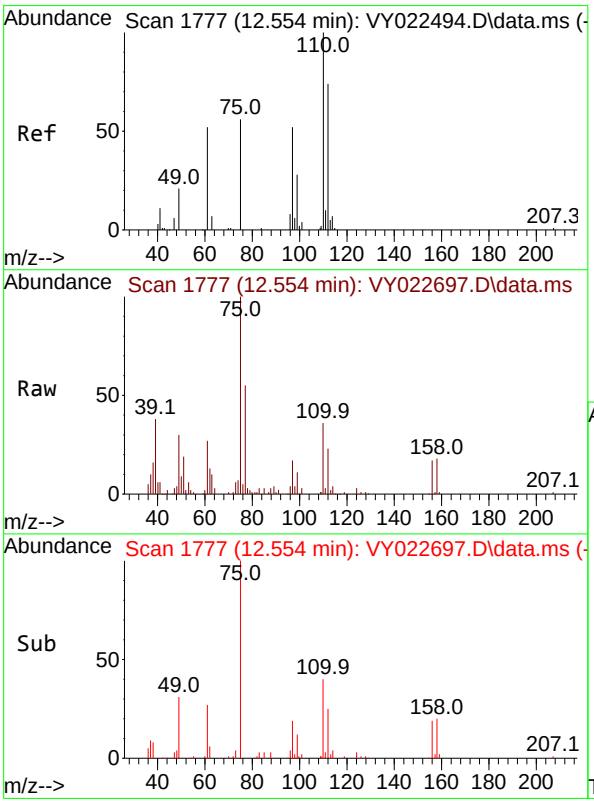
#75
1,1,2,2-Tetrachloroethane
Concen: 19.569 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 83 Resp: 28808

Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.9	14.7
85	64.7	32.6	97.8

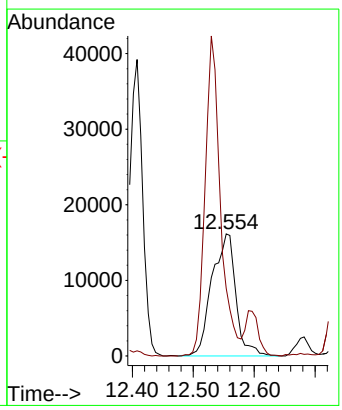


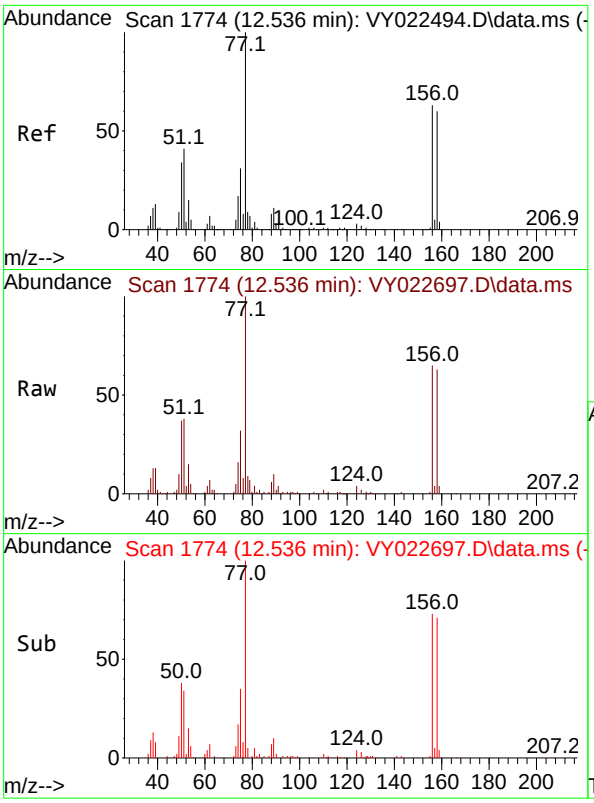


#76
1,2,3-Trichloropropane
Concen: 35.199 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 75 Resp: 43995

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



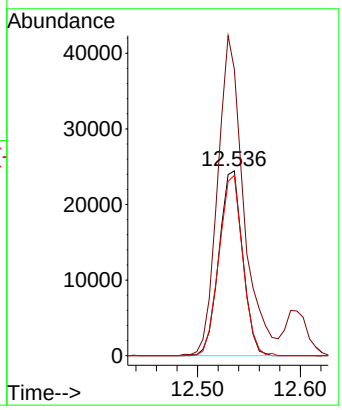


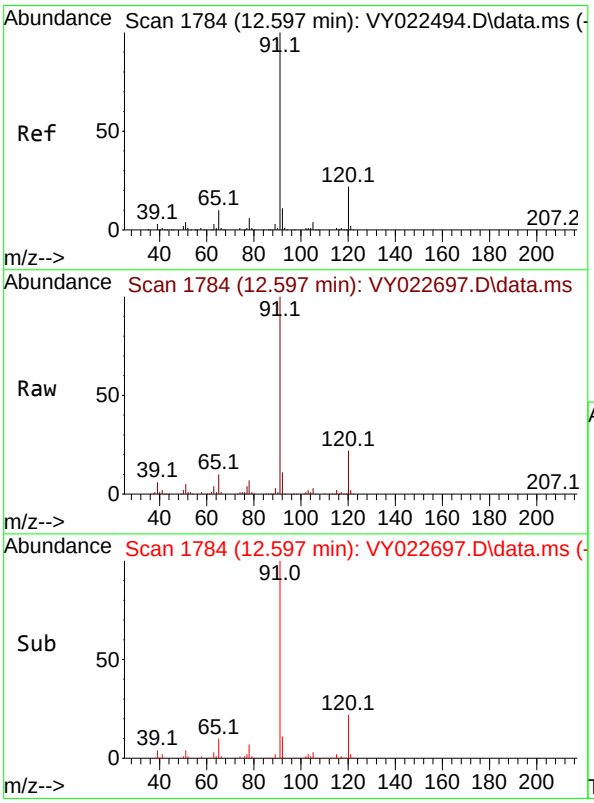
#77
Bromobenzene
Concen: 20.616 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion:156 Resp: 39023

Ion	Ratio	Lower	Upper
156	100		
77	191.1	94.0	282.1
158	98.0	48.2	144.6

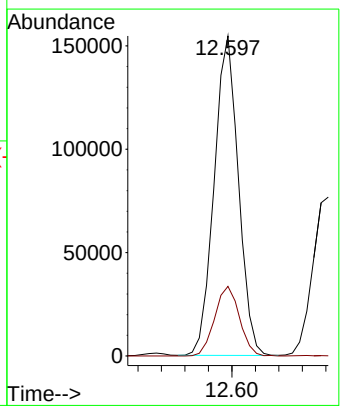


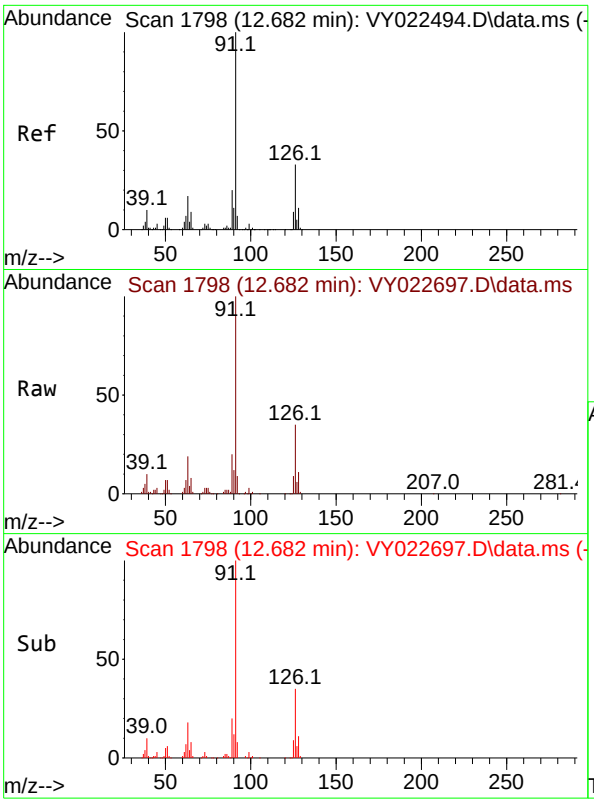


#78
n-propylbenzene
Concen: 20.241 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 91 Resp: 221750

Ion	Ratio	Lower	Upper
91	100		
120	22.2	10.8	32.4



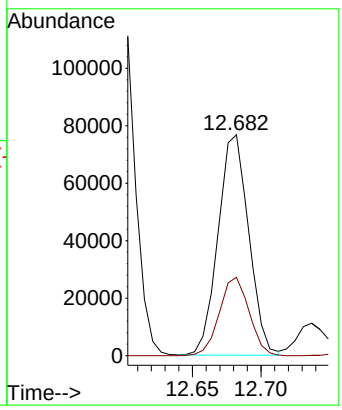


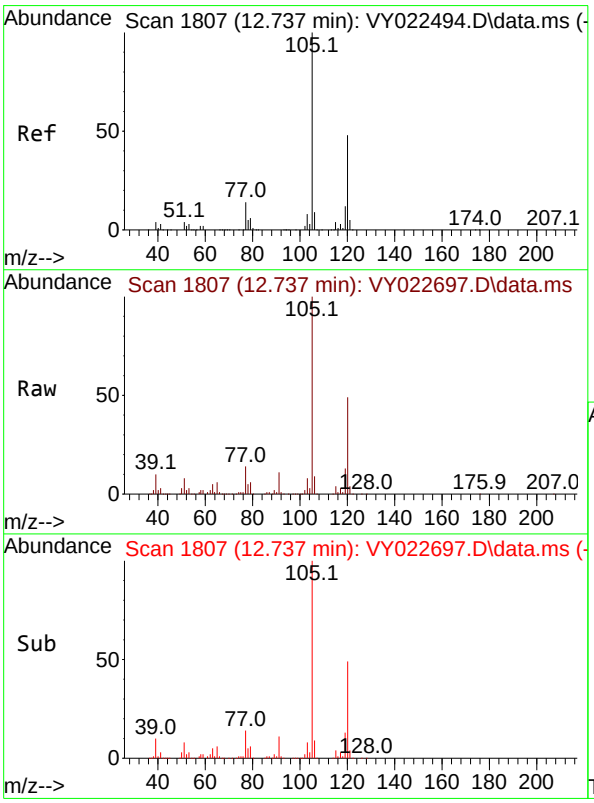
#79
2-Chlorotoluene
Concen: 20.562 ug/l
RT: 12.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 91 Resp: 119393

Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.0	51.0

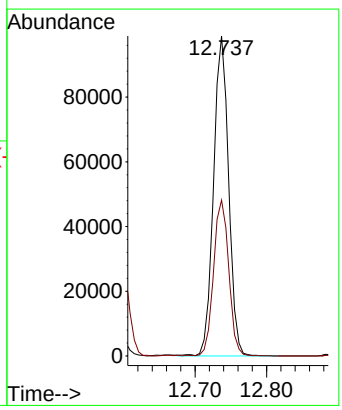


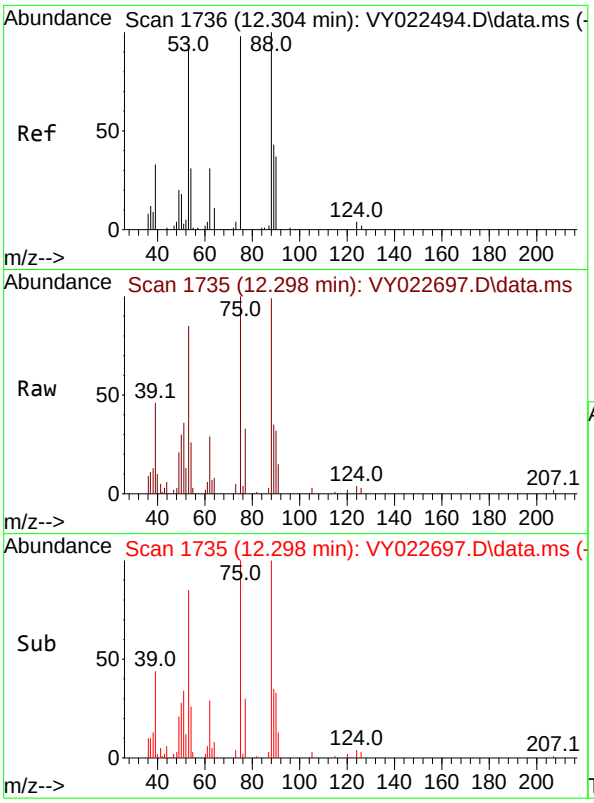


#80
1,3,5-Trimethylbenzene
Concen: 20.508 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:105 Resp: 144419

Ion	Ratio	Lower	Upper
105	100		
120	49.3	24.1	72.4



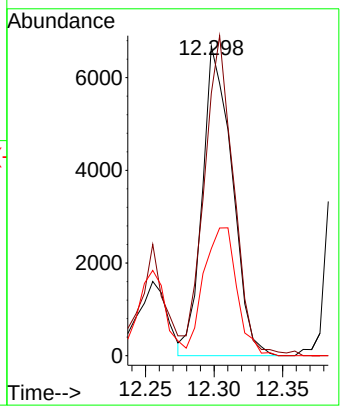


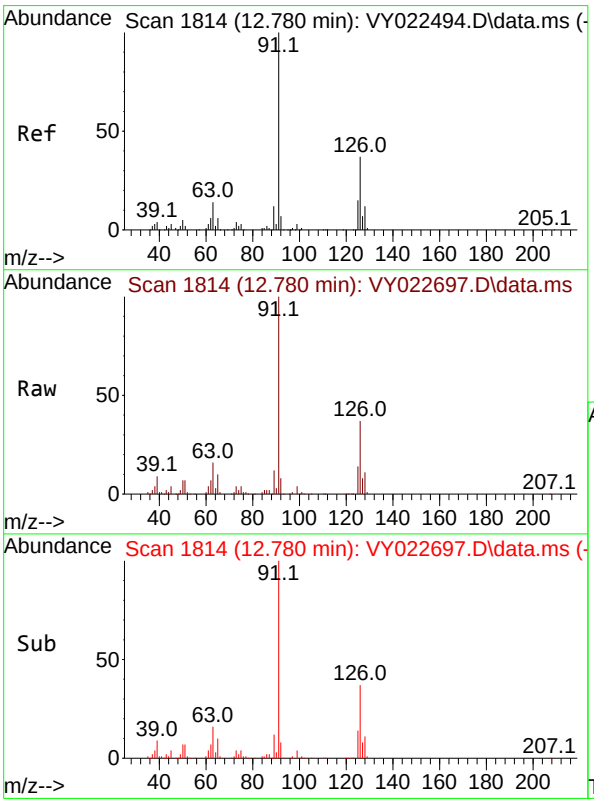
#81
trans-1,4-Dichloro-2-butene
Concen: 19.508 ug/l
RT: 12.298 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 75 Resp: 10097

Ion	Ratio	Lower	Upper
75	100		
53	100.4	78.5	117.7
89	45.9	35.7	53.5

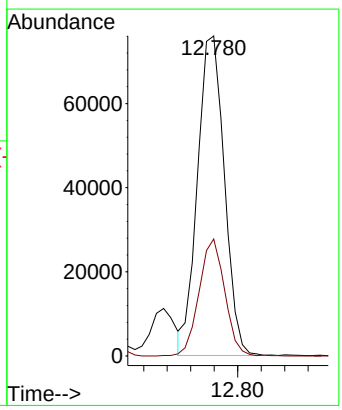


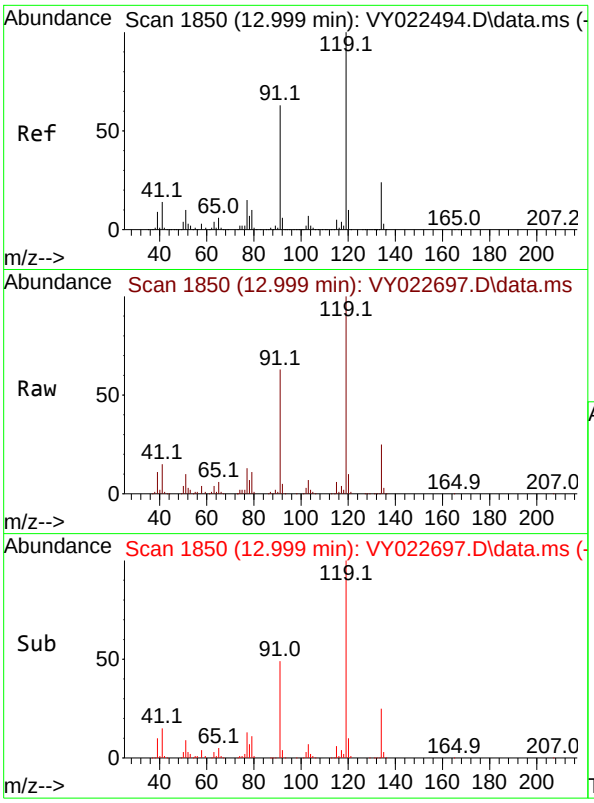


#82
4-Chlorotoluene
Concen: 20.145 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 91 Resp: 120666

Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.0	50.9



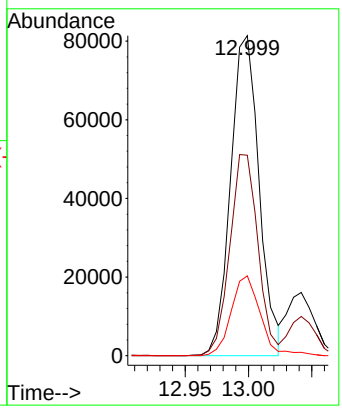


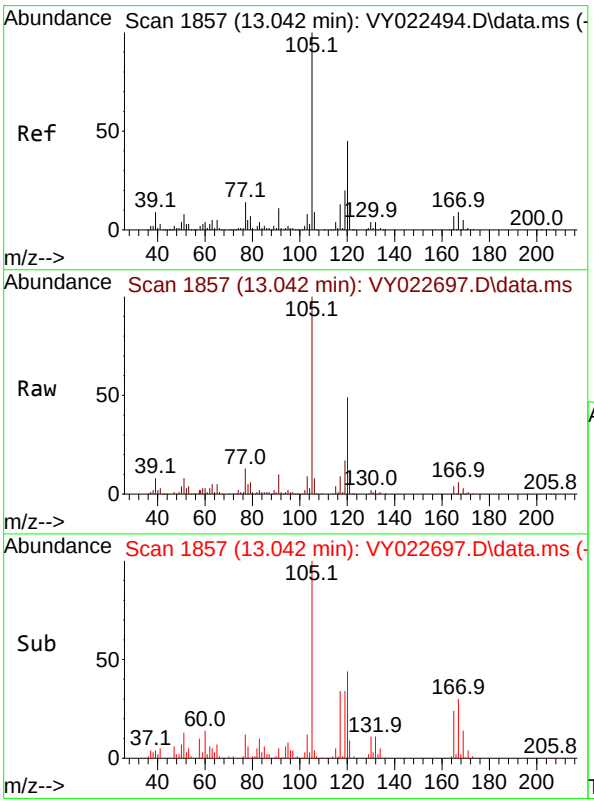
#83
tert-Butylbenzene
Concen: 20.260 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion:119 Resp: 128051

Ion	Ratio	Lower	Upper
119	100		
91	62.0	32.1	96.3
134	25.5	13.0	38.9

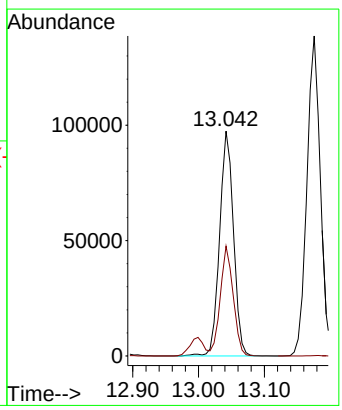


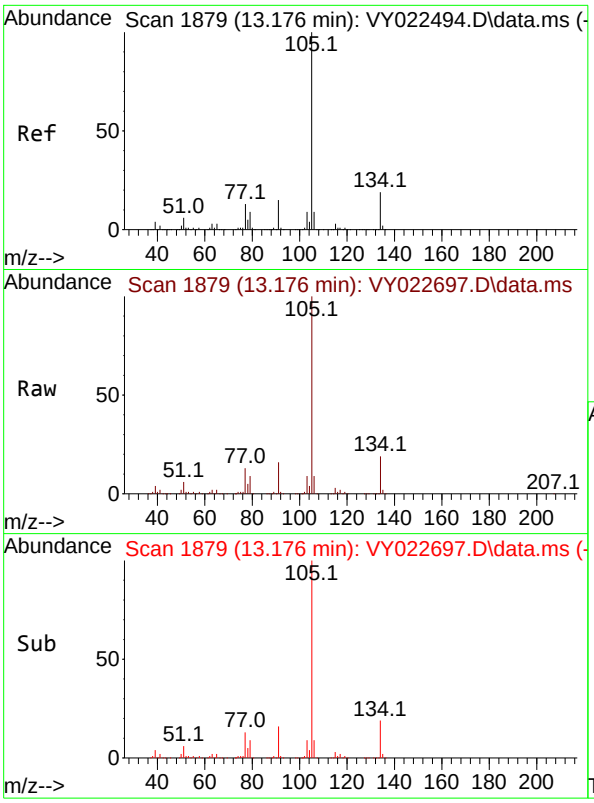


#84
1,2,4-Trimethylbenzene
Concen: 20.338 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:105 Resp: 143246

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.7	68.1



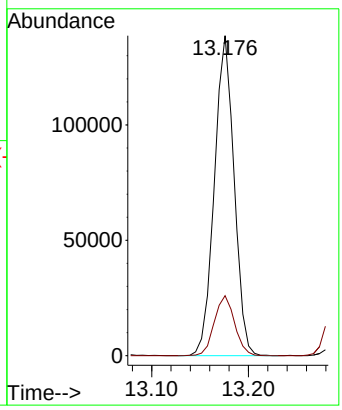


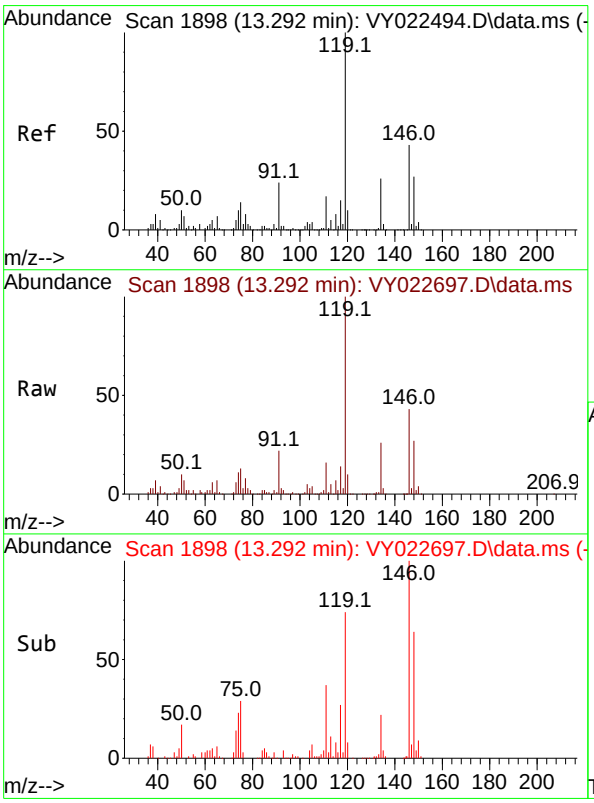
#85
sec-Butylbenzene
Concen: 20.289 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion:105 Resp: 196393

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	28.9

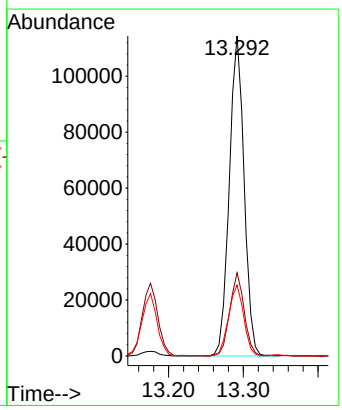


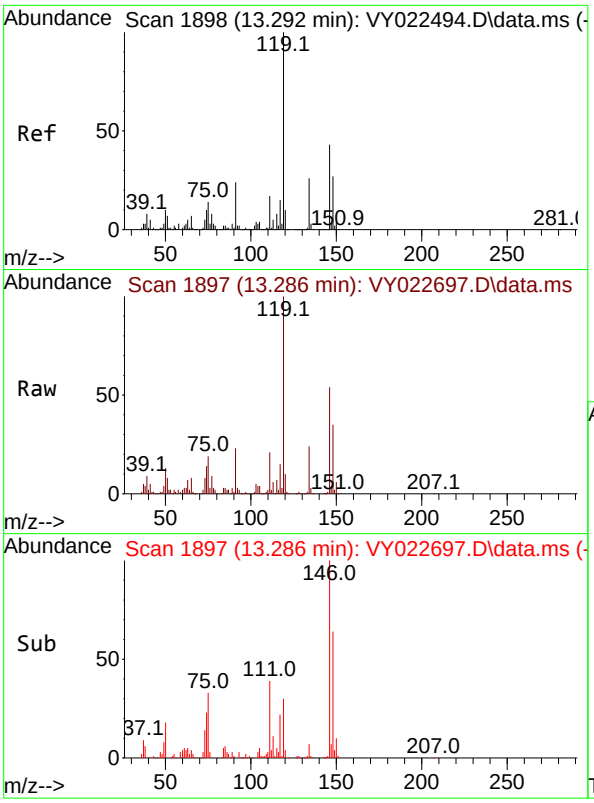


#86
p-Isopropyltoluene
Concen: 19.794 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:119 Resp: 157938

Ion	Ratio	Lower	Upper
119	100		
134	25.3	13.1	39.1
91	22.7	11.6	34.8



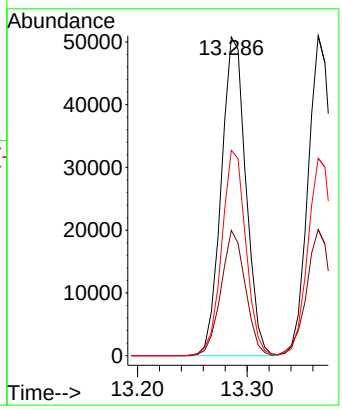


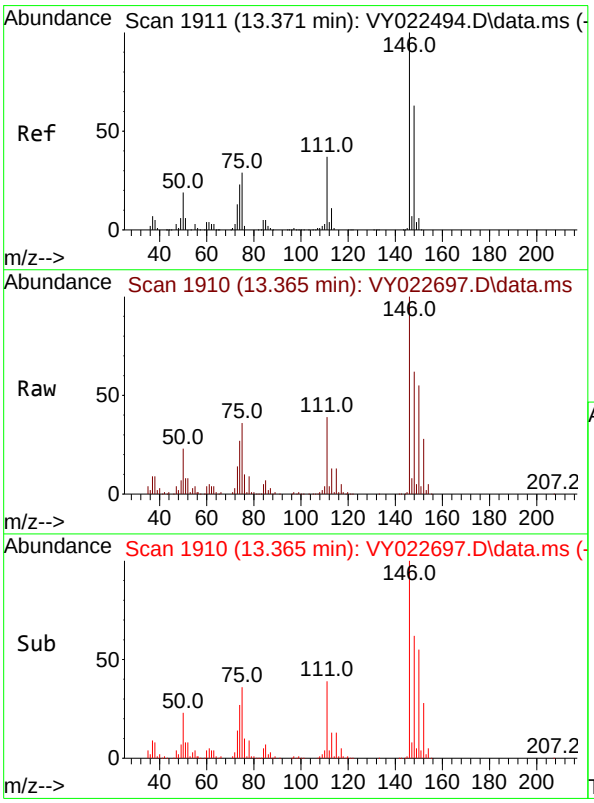
#87
1,3-Dichlorobenzene
Concen: 20.641 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion:146 Resp: 79159

Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.1	60.2
148	63.1	32.1	96.3

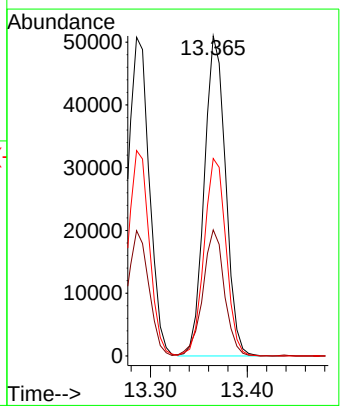


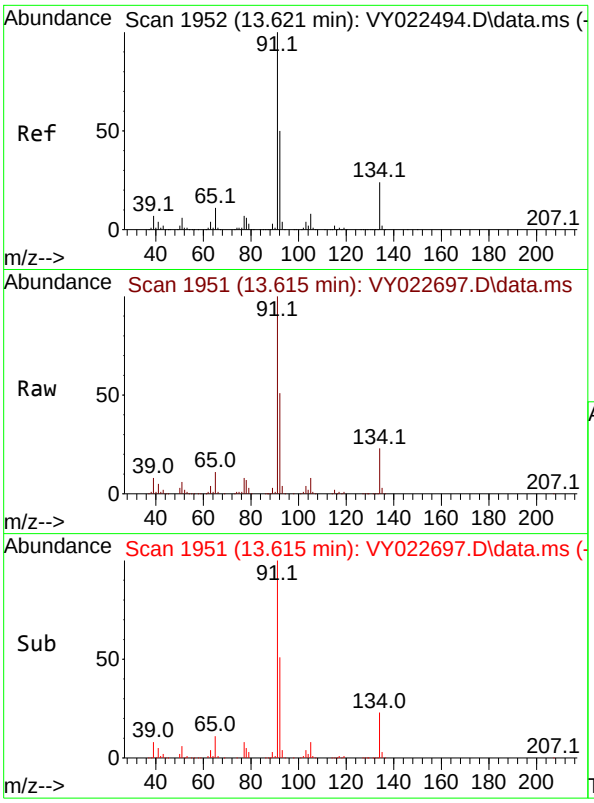


#88
1,4-Dichlorobenzene
Concen: 20.970 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:146 Resp: 78000

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.4	58.2
148	63.5	31.6	94.8



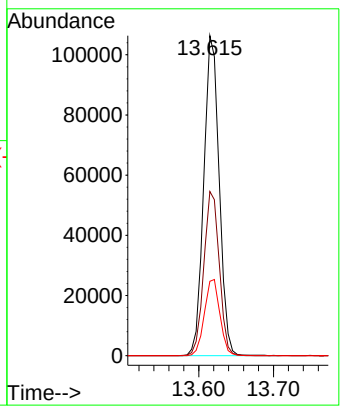


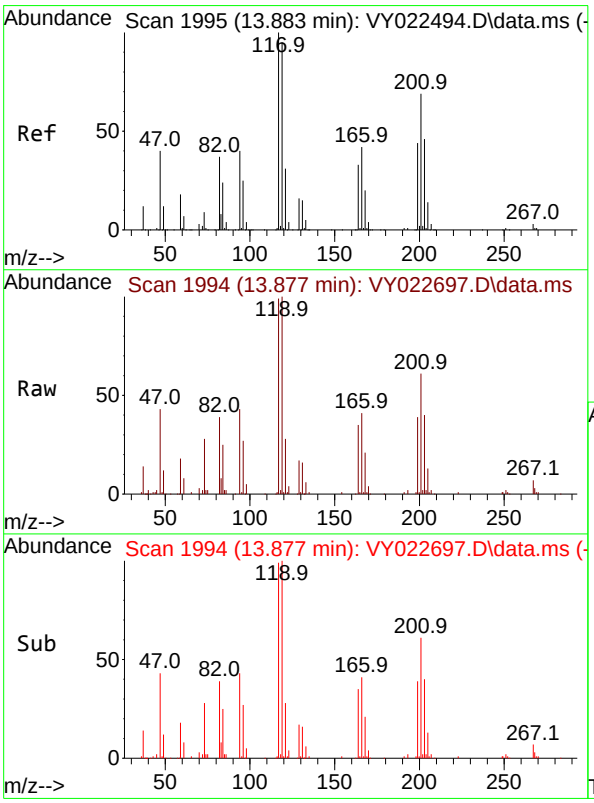
#89
n-Butylbenzene
Concen: 20.097 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion: 91 Resp: 152139

Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.9	77.8
134	24.0	12.0	36.1

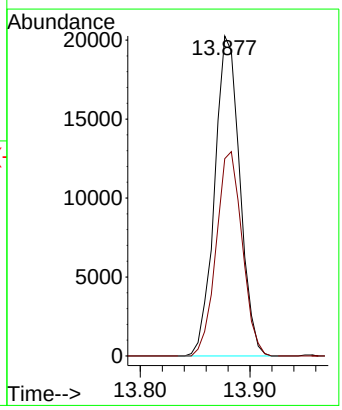


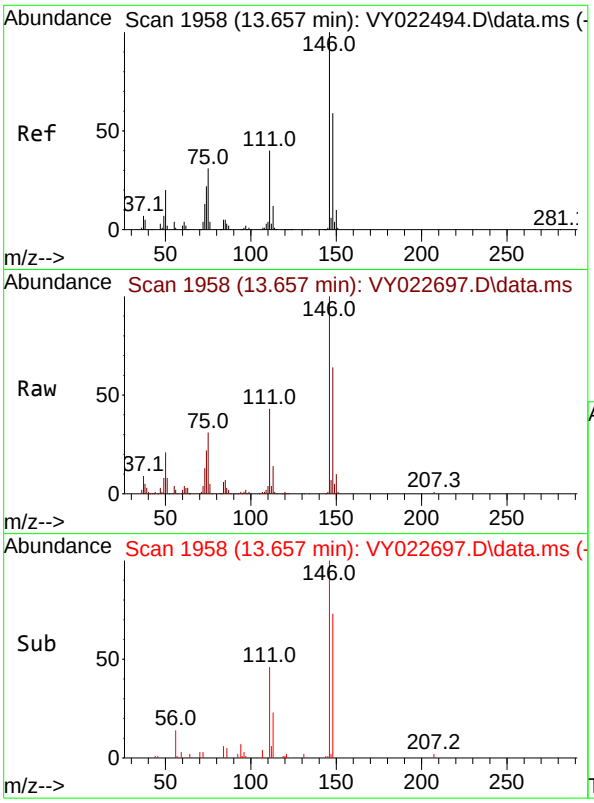


#90
Hexachloroethane
Concen: 20.837 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:117 Resp: 32367

Ion	Ratio	Lower	Upper
117	100		
201	65.8	34.0	102.0



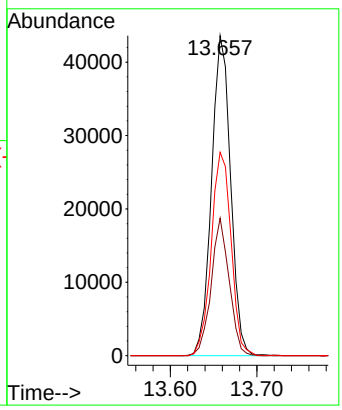


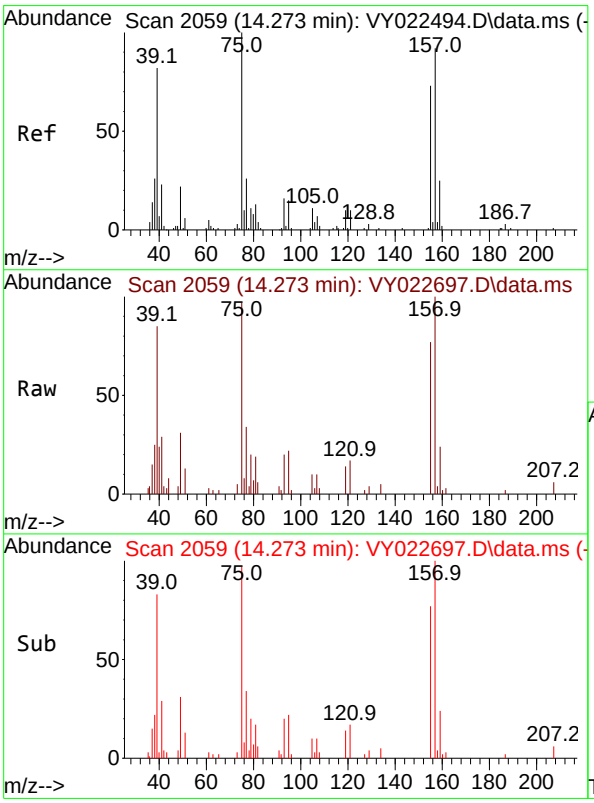
#91
1,2-Dichlorobenzene
Concen: 20.464 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion:146 Resp: 66633

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.2	60.6
148	66.2	31.4	94.0

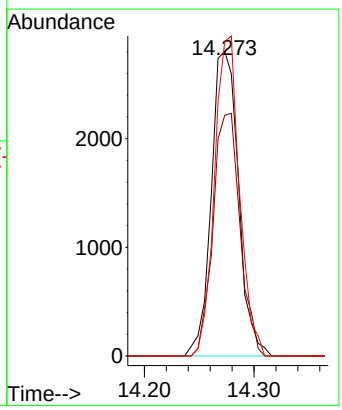


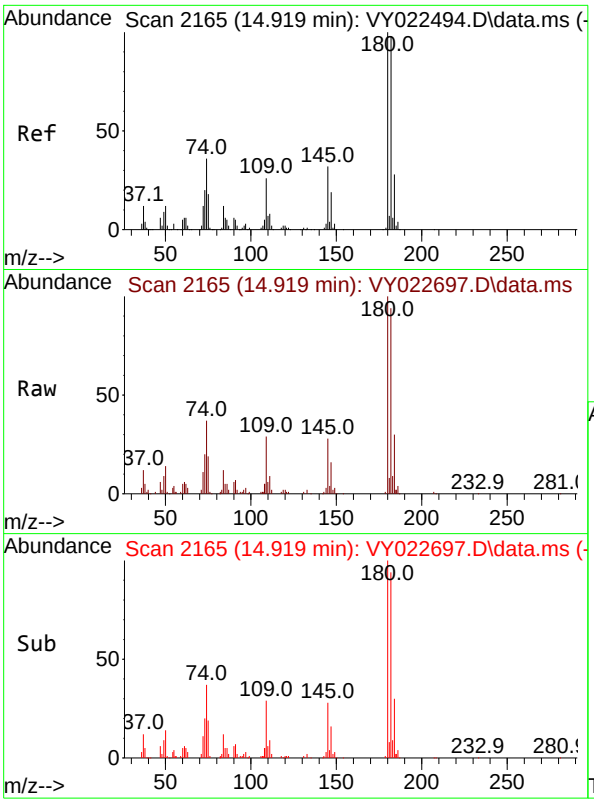


#92
1,2-Dibromo-3-Chloropropane
Concen: 22.474 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion: 75 Resp: 4817

Ion	Ratio	Lower	Upper
75	100		
155	79.0	39.9	119.6
157	96.4	54.0	162.0



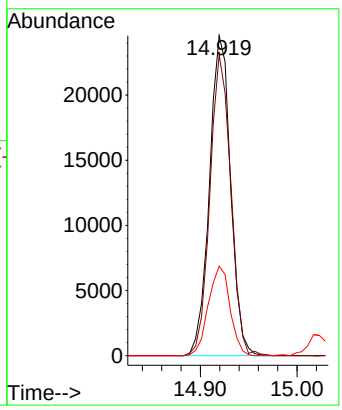


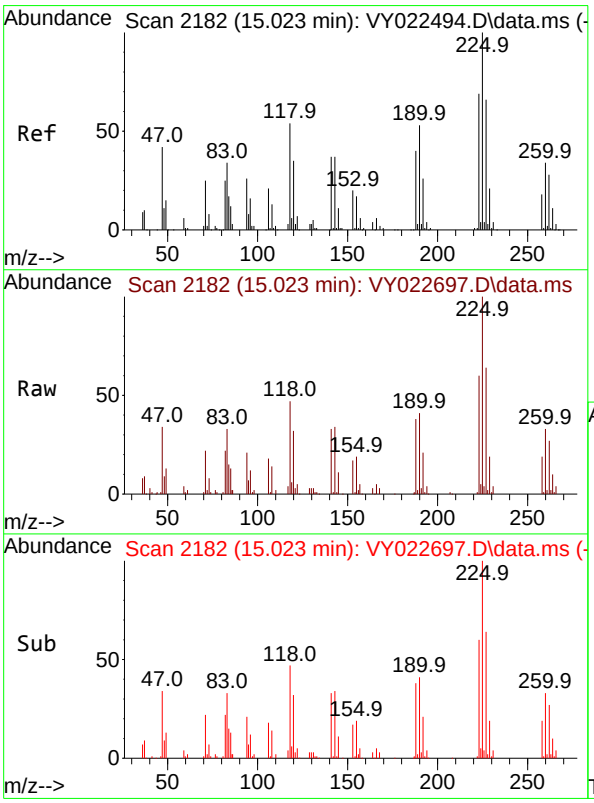
#93
1,2,4-Trichlorobenzene
Concen: 20.967 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion:180 Resp: 37234

Ion	Ratio	Lower	Upper
180	100		
182	92.7	48.4	145.3
145	28.6	15.5	46.5

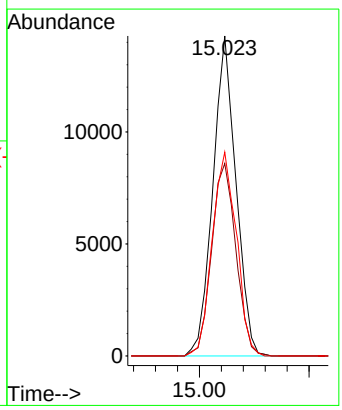


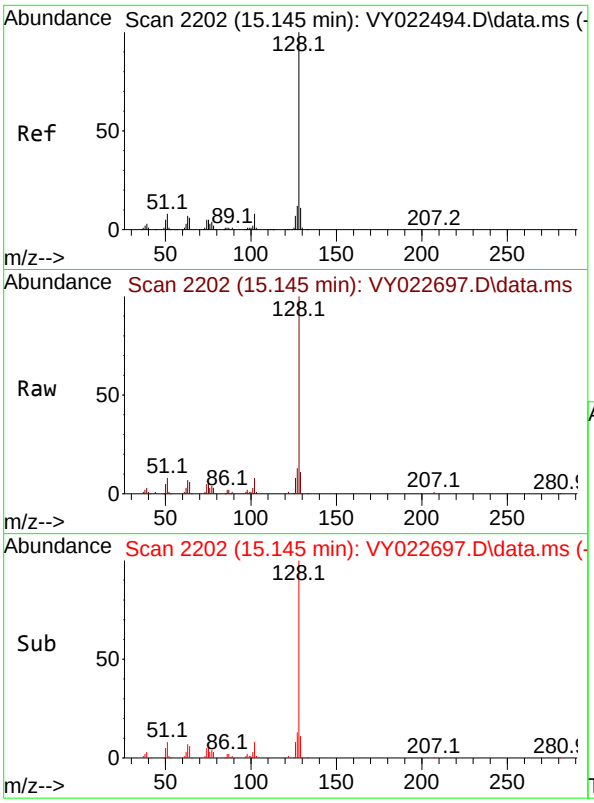


#94
Hexachlorobutadiene
Concen: 21.334 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:225 Resp: 20911

Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.5	97.4
227	66.8	32.3	96.9



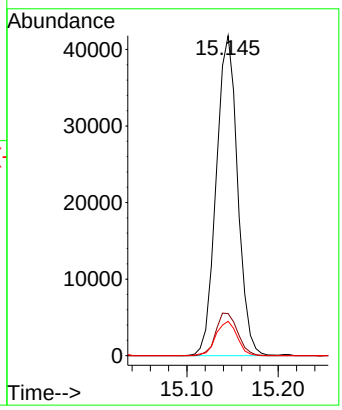


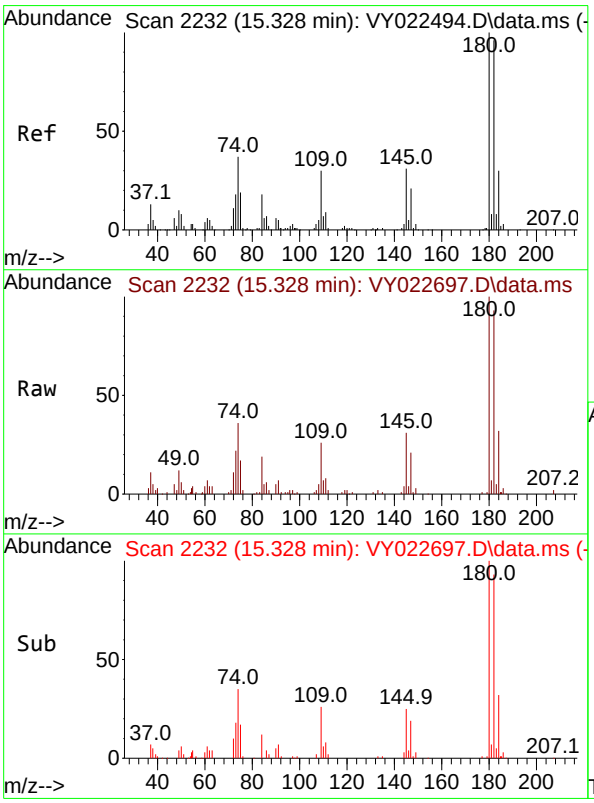
#95
Naphthalene
Concen: 19.971 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBS01

Tgt Ion:128 Resp: 68059

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.4	15.6
129	10.7	8.9	13.3

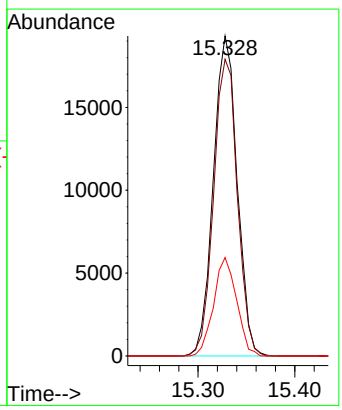




#96
1,2,3-Trichlorobenzene
Concen: 21.665 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022697.D
Acq: 16 Jun 2025 10:12

Tgt Ion:180 Resp: 32973

Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.1	141.3
145	29.8	15.2	45.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022698.D
Acq On : 16 Jun 2025 10:34
Operator : SY/MD
Sample : VY0616SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Quant Time: Jun 17 05:51:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	154209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	264302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	225807	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	103858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	95407	55.317	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.640%			
35) Dibromofluoromethane	7.640	113	85878	54.437	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.880%			
50) Toluene-d8	10.109	98	345045	54.130	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.260%			
62) 4-Bromofluorobenzene	12.401	95	100147	52.730	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	31407	22.748	ug/l	96
3) Chloromethane	2.068	50	101918	24.988	ug/l	96
4) Vinyl Chloride	2.202	62	119451	25.245	ug/l	97
5) Bromomethane	2.592	94	121157	26.715	ug/l	97
6) Chloroethane	2.732	64	87028	26.797	ug/l #	88
7) Trichlorofluoromethane	3.050	101	103365	25.733	ug/l	96
8) Diethyl Ether	3.458	74	19721	21.801	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	38935	23.014	ug/l	100
10) Methyl Iodide	4.007	142	37605	20.540	ug/l	98
11) Tert butyl alcohol	4.885	59	14063	114.160	ug/l	96
12) 1,1-Dichloroethene	3.793	96	35860	22.175	ug/l	95
13) Acrolein	3.653	56	11138	72.550	ug/l	99
14) Allyl chloride	4.385	41	54687	21.541	ug/l	97
15) Acrylonitrile	5.061	53	43330	113.099	ug/l	99
16) Acetone	3.879	43	45244	129.169	ug/l	96
17) Carbon Disulfide	4.104	76	110639	21.370	ug/l	98
18) Methyl Acetate	4.397	43	23060	22.232	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	101505	22.285	ug/l	97
20) Methylene Chloride	4.616	84	49311	24.784	ug/l	94
21) trans-1,2-Dichloroethene	5.122	96	40807	22.547	ug/l	93
22) Diisopropyl ether	6.018	45	127285	22.525	ug/l	95
23) Vinyl Acetate	5.964	43	366903	109.700	ug/l	99
24) 1,1-Dichloroethane	5.915	63	77453	23.266	ug/l	98
25) 2-Butanone	6.896	43	59745	118.250	ug/l	99
26) 2,2-Dichloropropane	6.884	77	67635	22.994	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	47998	22.944	ug/l	98
28) Bromochloromethane	7.244	49	33432	23.038	ug/l	99
29) Tetrahydrofuran	7.268	42	35535	109.047	ug/l	97
30) Chloroform	7.421	83	77944	23.638	ug/l	94
31) Cyclohexane	7.707	56	68987	20.816	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	66910	22.859	ug/l	97
36) 1,1-Dichloropropene	7.835	75	56782	22.177	ug/l	99
37) Ethyl Acetate	6.982	43	25536	22.364	ug/l	99
38) Carbon Tetrachloride	7.817	117	56761	21.610	ug/l	92
39) Methylcyclohexane	9.109	83	71187	20.689	ug/l	98
40) Benzene	8.079	78	171688	22.703	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022698.D
Acq On : 16 Jun 2025 10:34
Operator : SY/MD
Sample : VY0616SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Quant Time: Jun 17 05:51:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	11105	16.651	ug/l	#	54
42) 1,2-Dichloroethane	8.158	62	46956	22.741	ug/l		100
43) Isopropyl Acetate	8.201	43	53371	21.643	ug/l		98
44) Trichloroethene	8.866	130	43256	23.404	ug/l		98
45) 1,2-Dichloropropane	9.140	63	42085	23.548	ug/l		96
46) Dibromomethane	9.231	93	23220	23.094	ug/l		96
47) Bromodichloromethane	9.426	83	58071	22.777	ug/l		98
48) Methyl methacrylate	9.219	41	24684	21.328	ug/l		97
49) 1,4-Dioxane	9.231	88	4747	398.509	ug/l	#	93
51) 4-Methyl-2-Pentanone	9.999	43	133697	108.744	ug/l		97
52) Toluene	10.170	92	105337	22.165	ug/l		97
53) t-1,3-Dichloropropene	10.396	75	52876	22.135	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	61997	22.295	ug/l		95
55) 1,1,2-Trichloroethane	10.573	97	29316	22.865	ug/l		97
56) Ethyl methacrylate	10.438	69	39351	21.236	ug/l		98
57) 1,3-Dichloropropane	10.719	76	50916	22.406	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	94575	112.411	ug/l		97
59) 2-Hexanone	10.762	43	90194	109.691	ug/l		97
60) Dibromochloromethane	10.914	129	36576	22.448	ug/l		98
61) 1,2-Dibromoethane	11.011	107	26098	22.333	ug/l		97
64) Tetrachloroethene	10.646	164	48965	25.208	ug/l		97
65) Chlorobenzene	11.444	112	111400	22.294	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	37335	22.180	ug/l		98
67) Ethyl Benzene	11.517	91	199212	21.495	ug/l		98
68) m/p-Xylenes	11.627	106	149850	42.651	ug/l		98
69) o-Xylene	11.950	106	70142	21.293	ug/l		99
70) Styrene	11.969	104	115987	21.301	ug/l		99
71) Bromoform	12.133	173	19160	21.390	ug/l	#	97
73) Isopropylbenzene	12.255	105	182833	21.442	ug/l		99
74) N-amyl acetate	12.072	43	44410	20.642	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	29912	21.374	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	42639	35.886	ug/l	#	100
77) Bromobenzene	12.530	156	38728	21.523	ug/l		99
78) n-propylbenzene	12.590	91	227339	21.829	ug/l		100
79) 2-Chlorotoluene	12.676	91	121022	21.925	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	143657	21.460	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	9916	20.154	ug/l		99
82) 4-Chlorotoluene	12.773	91	122042	21.433	ug/l		98
83) tert-Butylbenzene	12.999	119	130334	21.693	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	144066	21.517	ug/l		97
85) sec-Butylbenzene	13.176	105	197997	21.517	ug/l		100
86) p-Isopropyltoluene	13.292	119	159529	21.033	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	78055	21.411	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	76921	21.754	ug/l		98
89) n-Butylbenzene	13.615	91	156296	21.719	ug/l		100
90) Hexachloroethane	13.877	117	33188	22.476	ug/l		96
91) 1,2-Dichlorobenzene	13.657	146	68566	22.152	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	4752	23.322	ug/l		94
93) 1,2,4-Trichlorobenzene	14.919	180	37520	22.226	ug/l		96
94) Hexachlorobutadiene	15.023	225	19759	21.206	ug/l		98
95) Naphthalene	15.139	128	69549	21.469	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	31085	21.486	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022698.D
Acq On : 16 Jun 2025 10:34
Operator : SY/MD
Sample : VY0616SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Quant Time: Jun 17 05:51:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

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

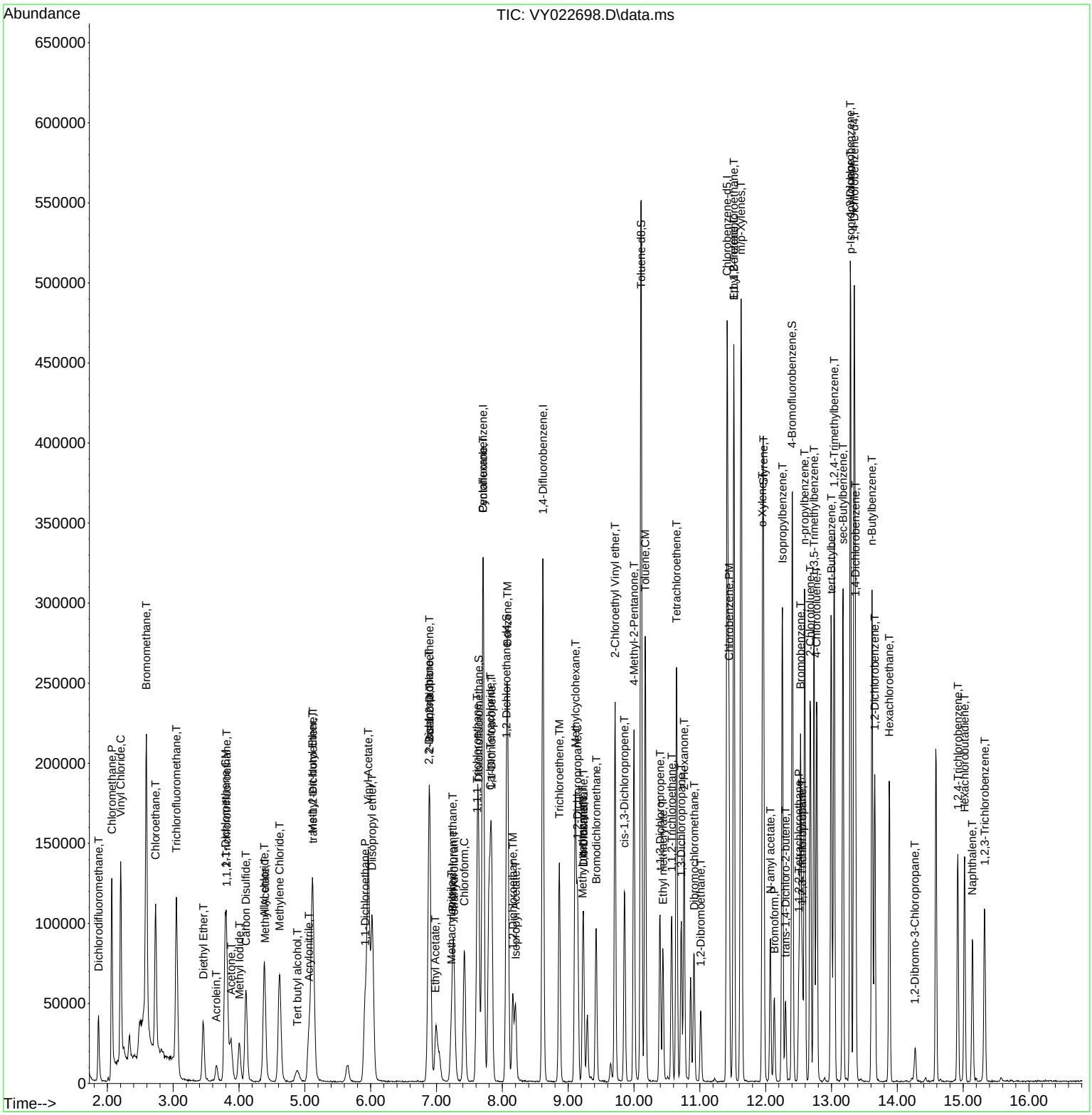
(#) = qualifier out of range (m) = manual integration (+) = signals summed

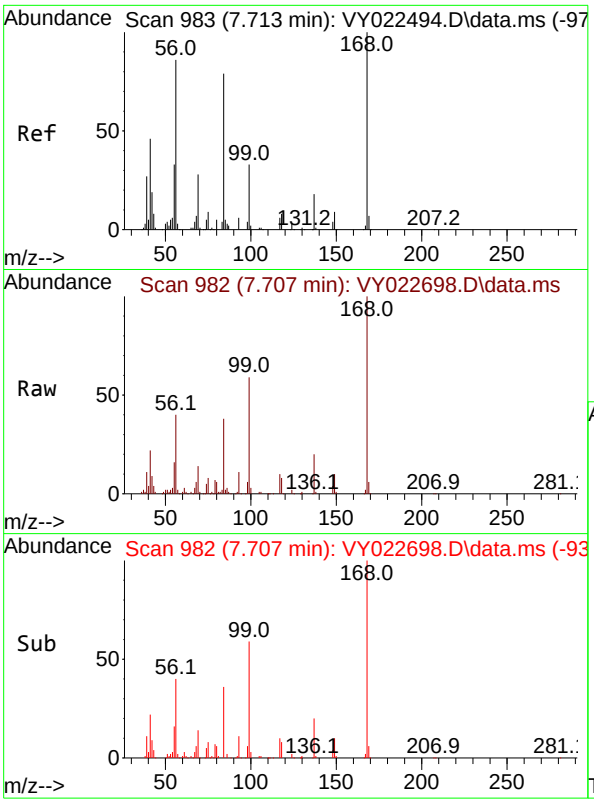
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022698.D
Acq On : 16 Jun 2025 10:34
Operator : SY/MD
Sample : VY0616SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Quant Time: Jun 17 05:51:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration



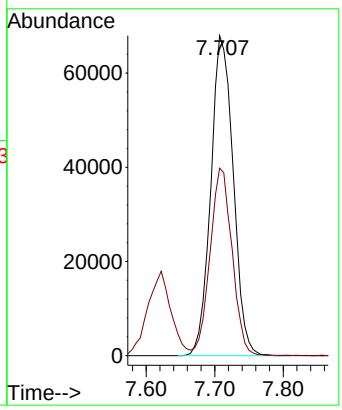


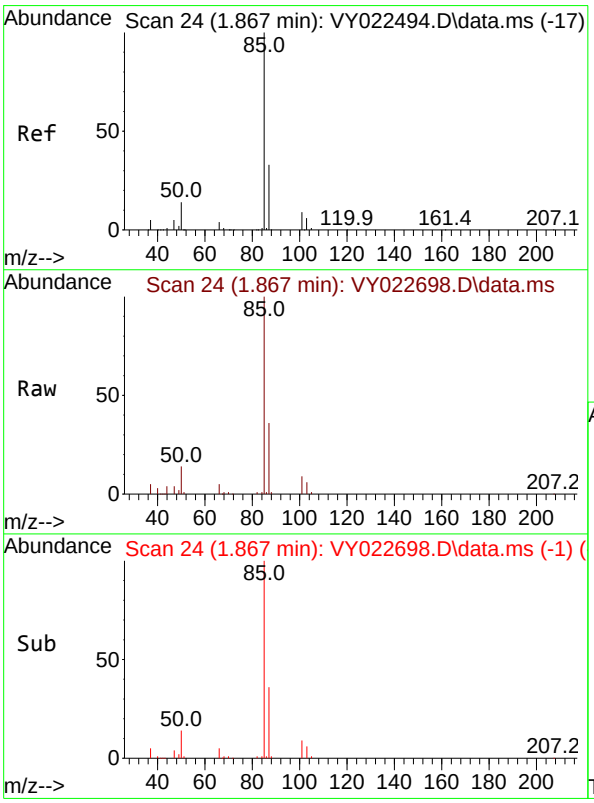
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion:168 Resp: 154209

Ion	Ratio	Lower	Upper
168	100		
99	58.5	44.3	66.5

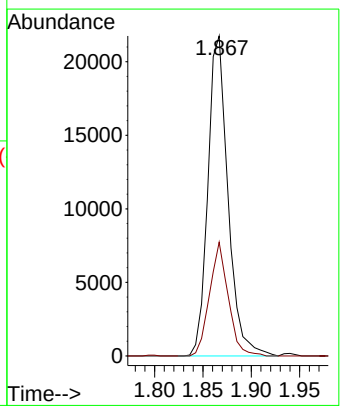


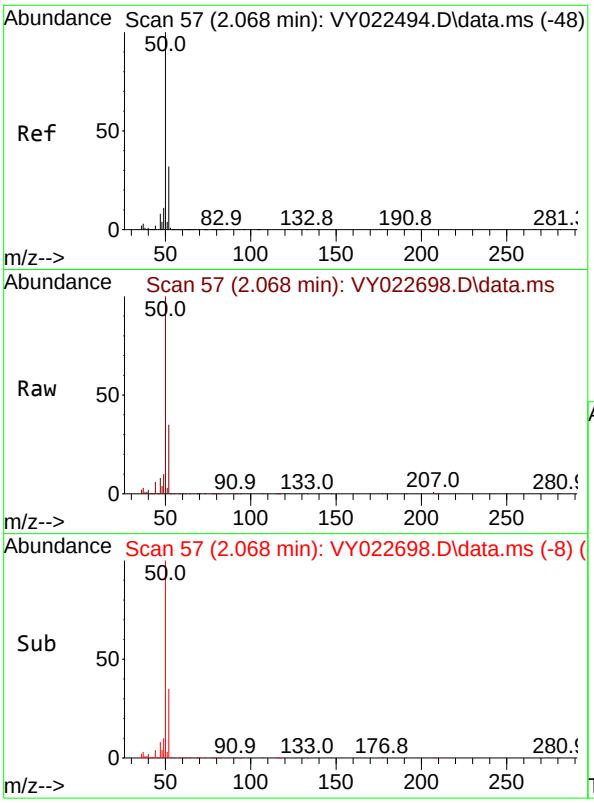


#2
Dichlorodifluoromethane
Concen: 22.748 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 85 Resp: 31407

Ion	Ratio	Lower	Upper
85	100		
87	35.5	16.7	50.0



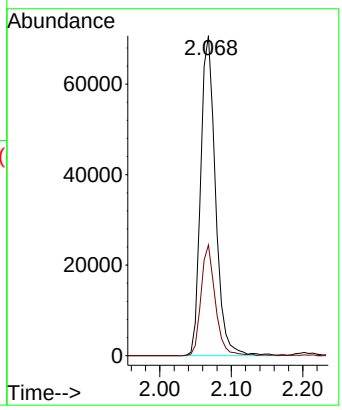


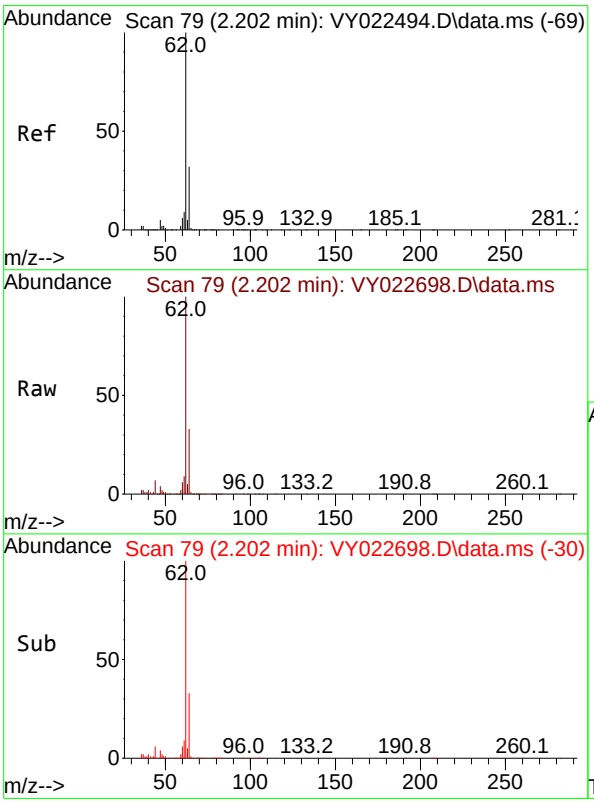
#3
Chloromethane
Concen: 24.988 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 50 Resp: 101918

Ion	Ratio	Lower	Upper
50	100		
52	34.6	26.0	39.0

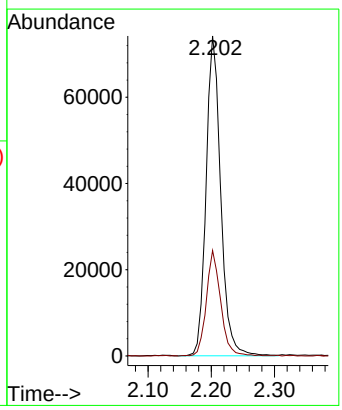


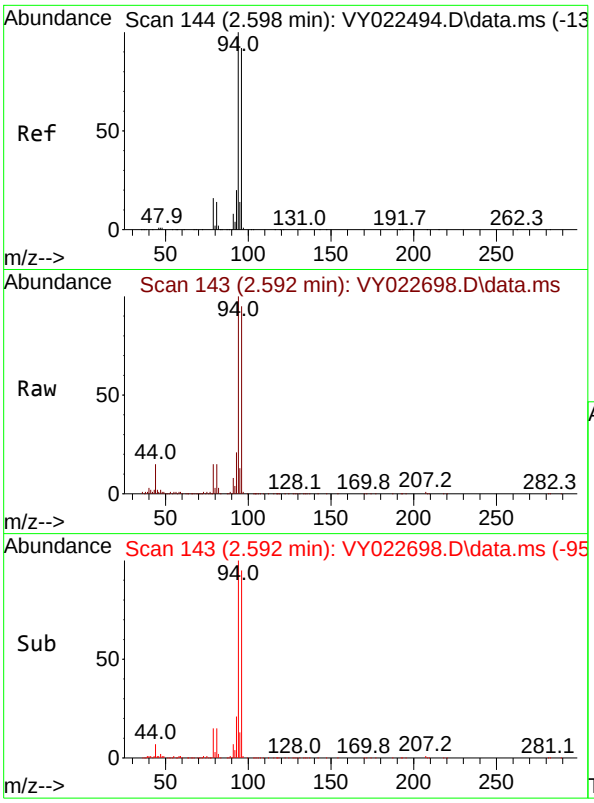


#4
Vinyl Chloride
Concen: 25.245 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 62 Resp: 119451

Ion	Ratio	Lower	Upper
62	100		
64	33.0	25.3	37.9



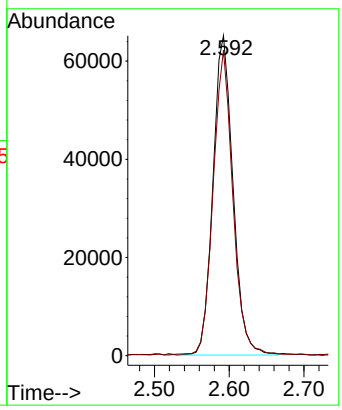


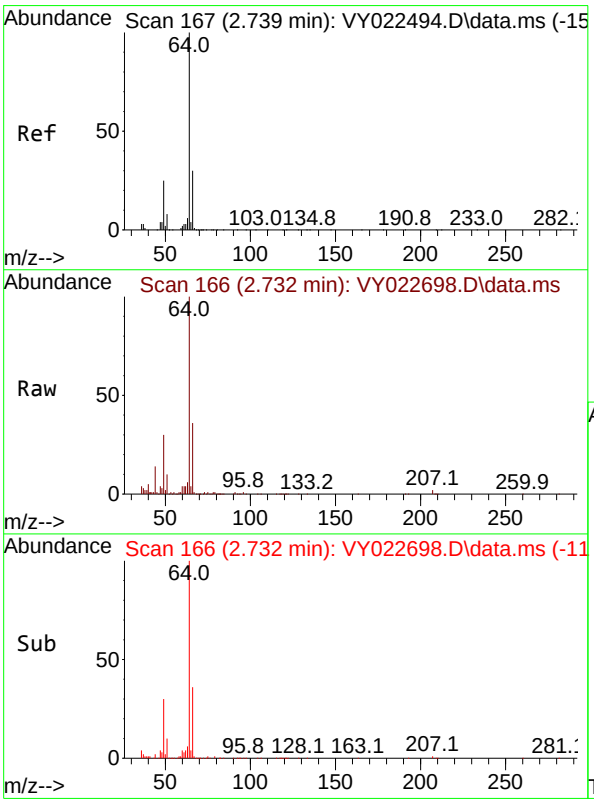
#5
Bromomethane
Concen: 26.715 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 94 Resp: 121157

Ion	Ratio	Lower	Upper
94	100		
96	95.1	74.0	111.0

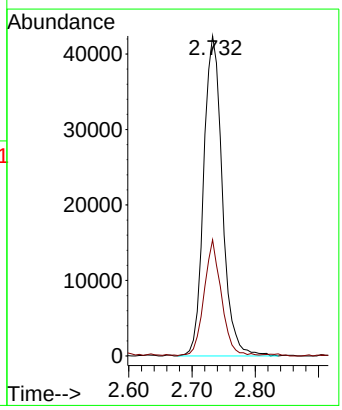


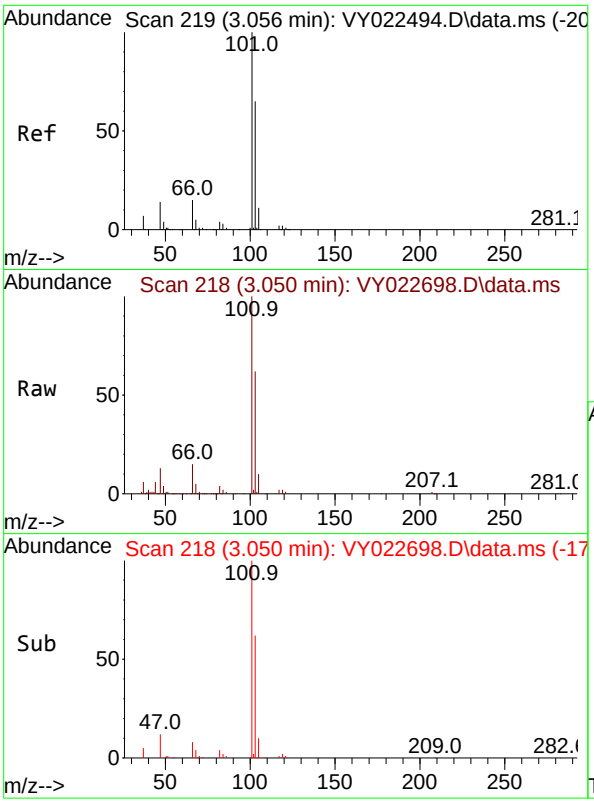


#6
Chloroethane
Concen: 26.797 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 64 Resp: 87028

Ion	Ratio	Lower	Upper
64	100		
66	36.1	23.8	35.6#



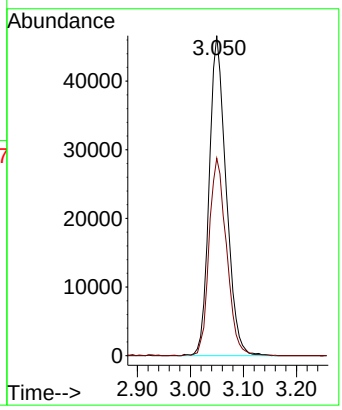


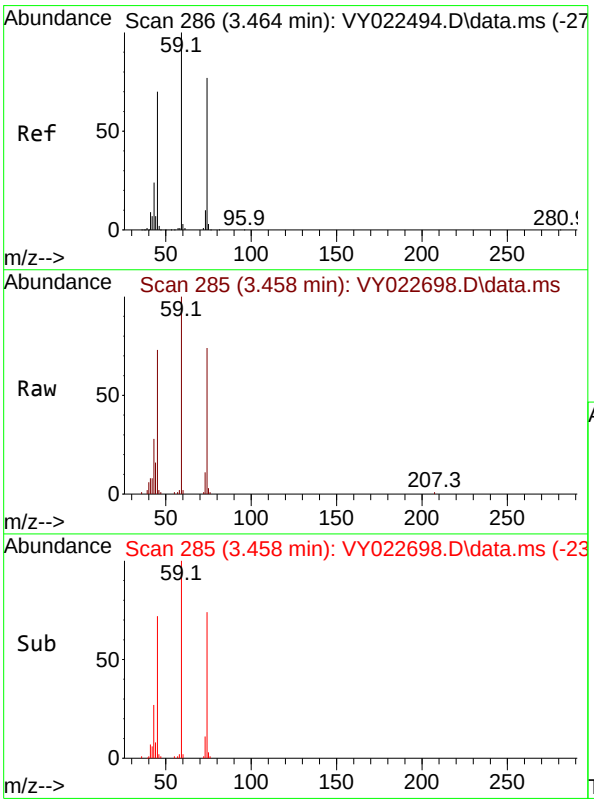
#7
Trichlorofluoromethane
Concen: 25.733 ug/l
RT: 3.050 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion:101 Resp: 103365

Ion	Ratio	Lower	Upper
101	100		
103	61.7	52.2	78.2

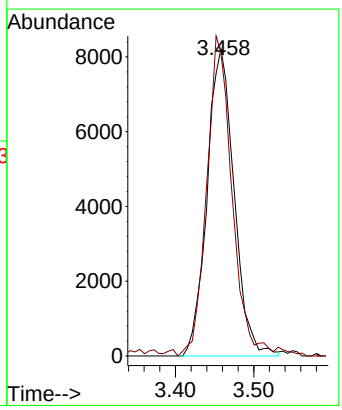


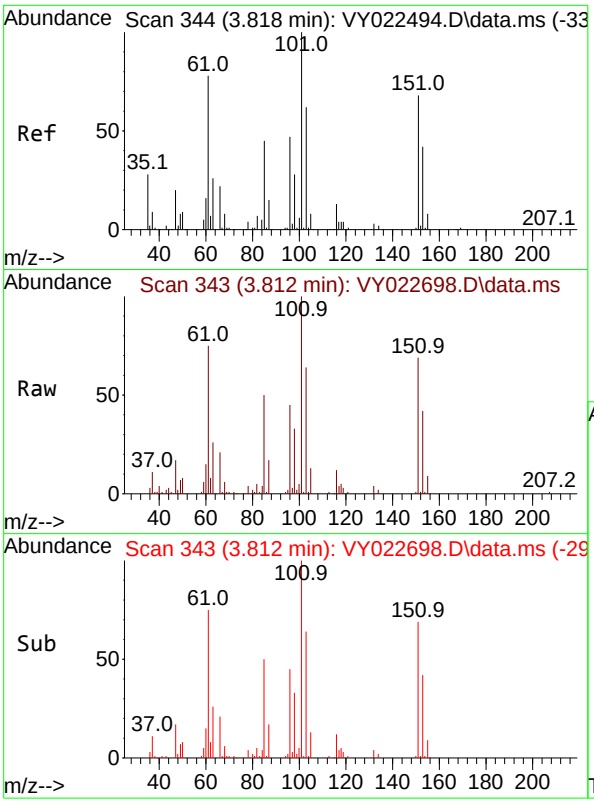


#8
Diethyl Ether
Concen: 21.801 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 74 Resp: 19721

Ion	Ratio	Lower	Upper
74	100		
45	96.8	45.9	137.6



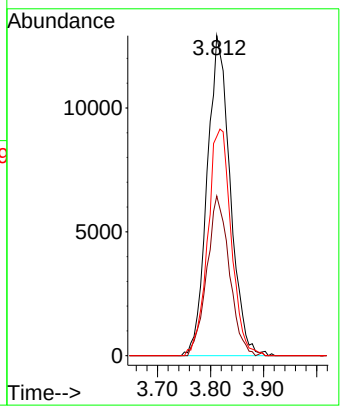


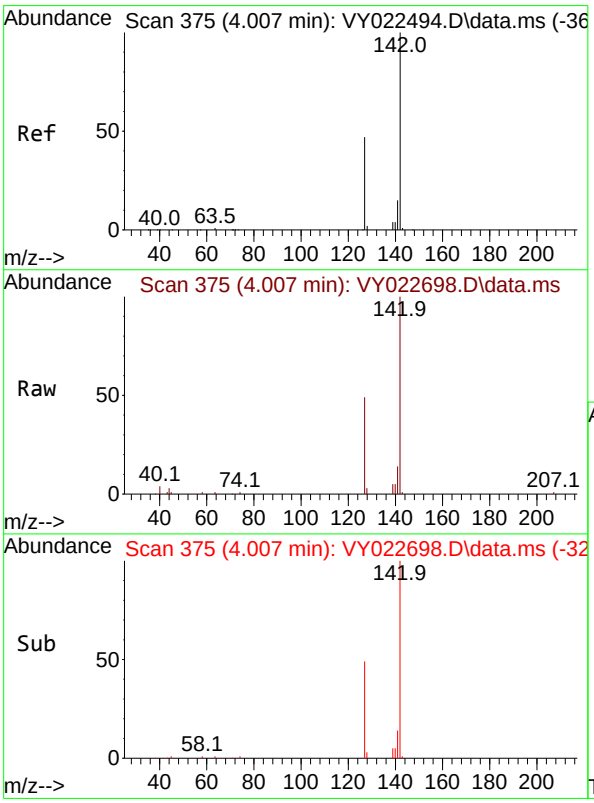
#9
1,1,2-Trichlorotrifluoroethane
Concen: 23.014 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion:101 Resp: 38935

Ion	Ratio	Lower	Upper
101	100		
85	48.6	39.3	58.9
151	72.2	57.8	86.8

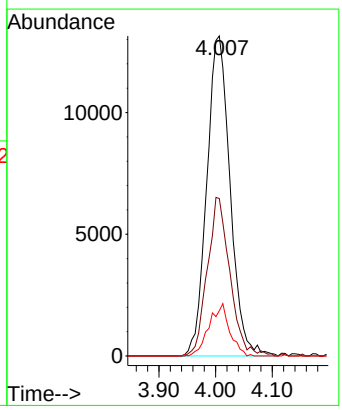


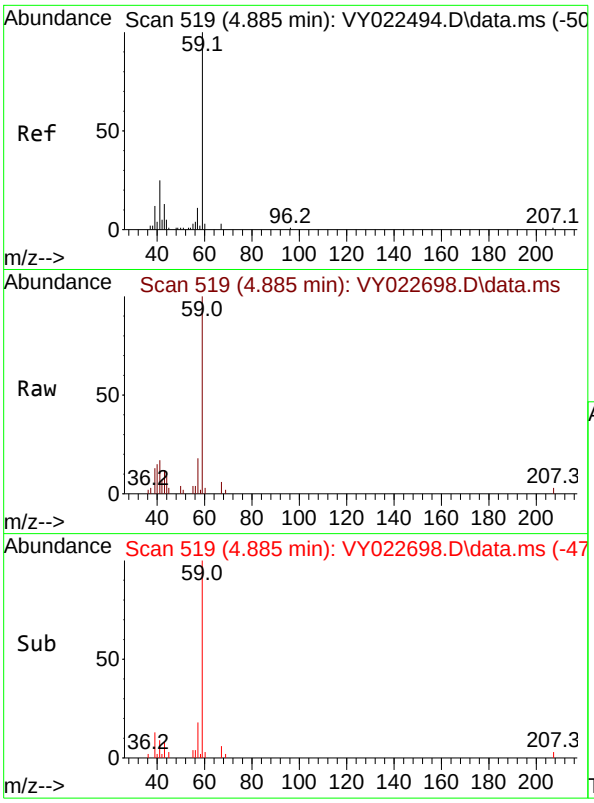


#10
Methyl Iodide
Concen: 20.540 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:142 Resp: 37605

Ion	Ratio	Lower	Upper
142	100		
127	47.9	37.1	55.7
141	14.4	11.4	17.2



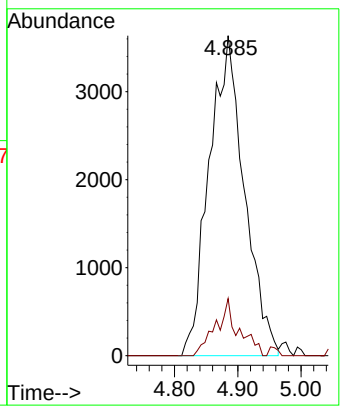


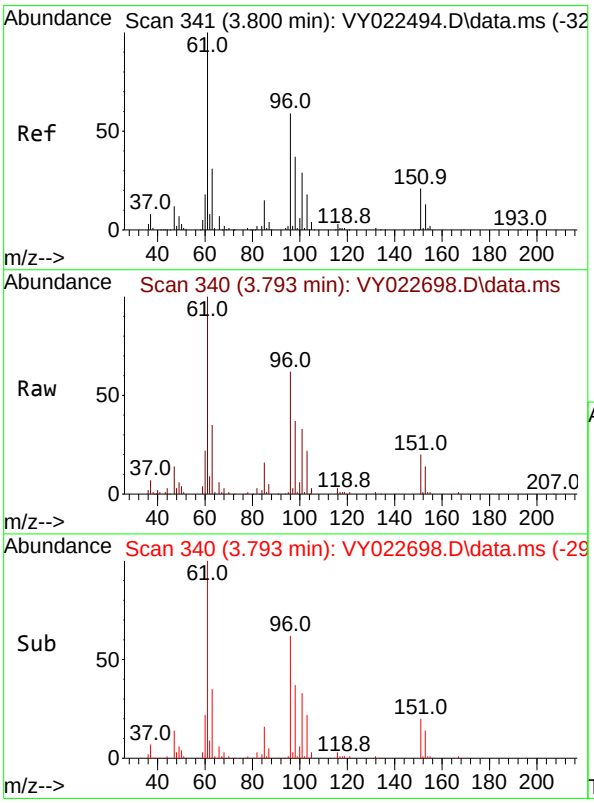
#11
Tert butyl alcohol
Concen: 114.160 ug/l
RT: 4.885 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 59 Resp: 14063

Ion	Ratio	Lower	Upper
59	100		
57	11.6	8.0	12.0

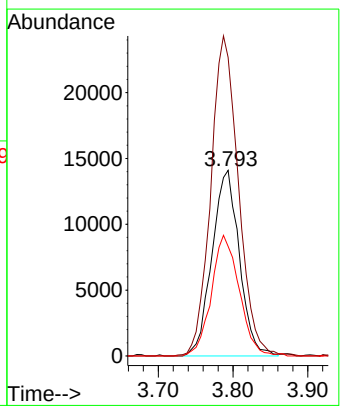


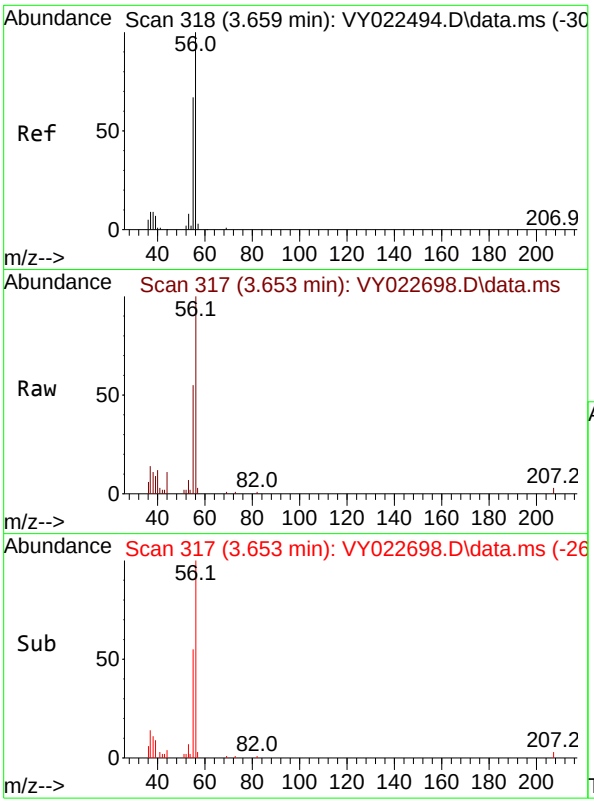


#12
1,1-Dichloroethene
Concen: 22.175 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 96 Resp: 35860

Ion	Ratio	Lower	Upper
96	100		
61	160.4	134.6	201.8
98	59.1	50.2	75.4



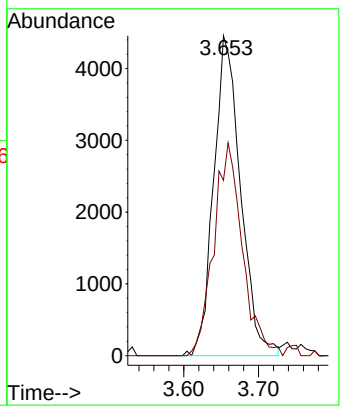


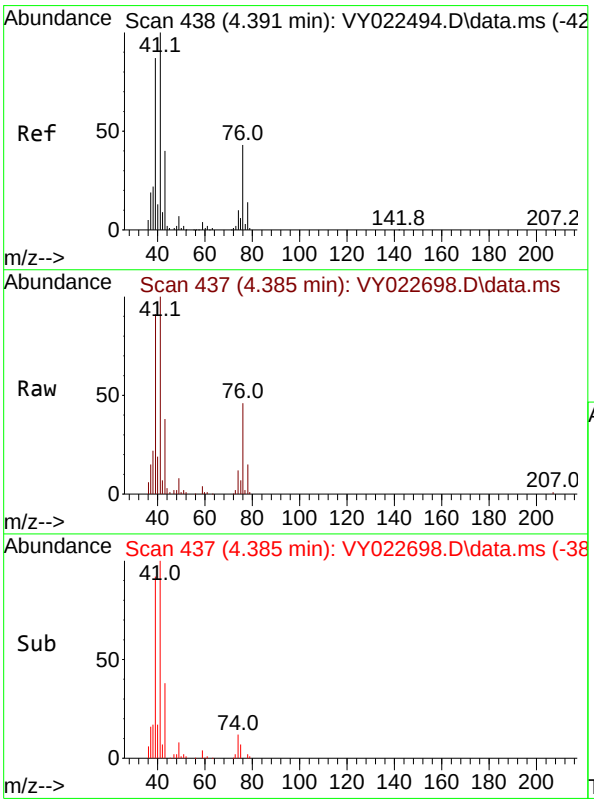
#13
Acrolein
Concen: 72.550 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 56 Resp: 11138

Ion	Ratio	Lower	Upper
56	100		
55	70.7	57.0	85.6

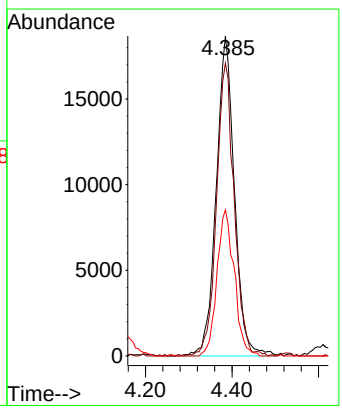


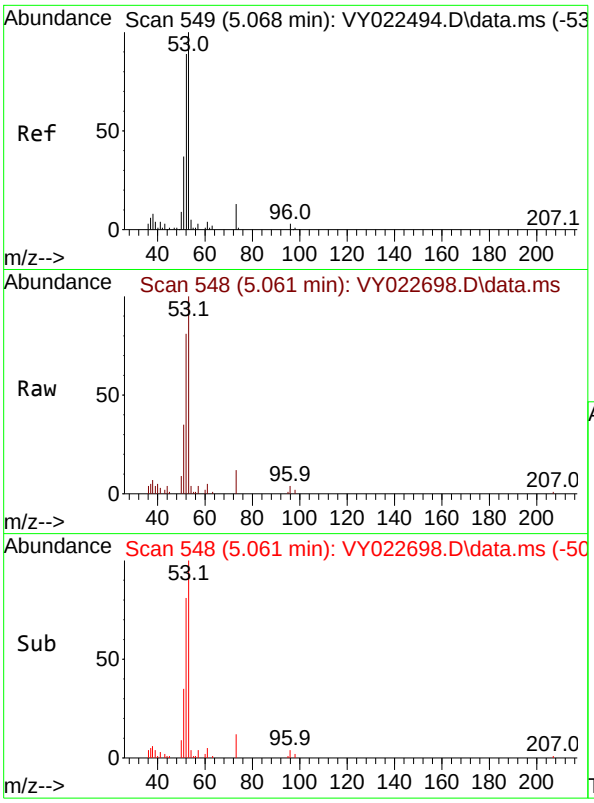


#14
Allyl chloride
Concen: 21.541 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 41 Resp: 54687

Ion	Ratio	Lower	Upper
41	100		
39	89.1	69.1	103.7
76	43.4	33.5	50.3



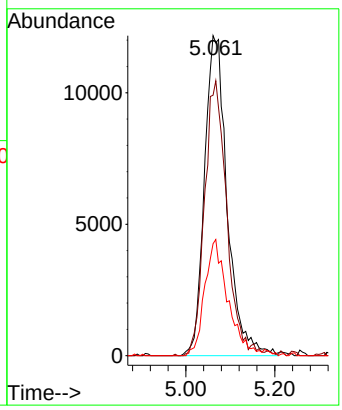


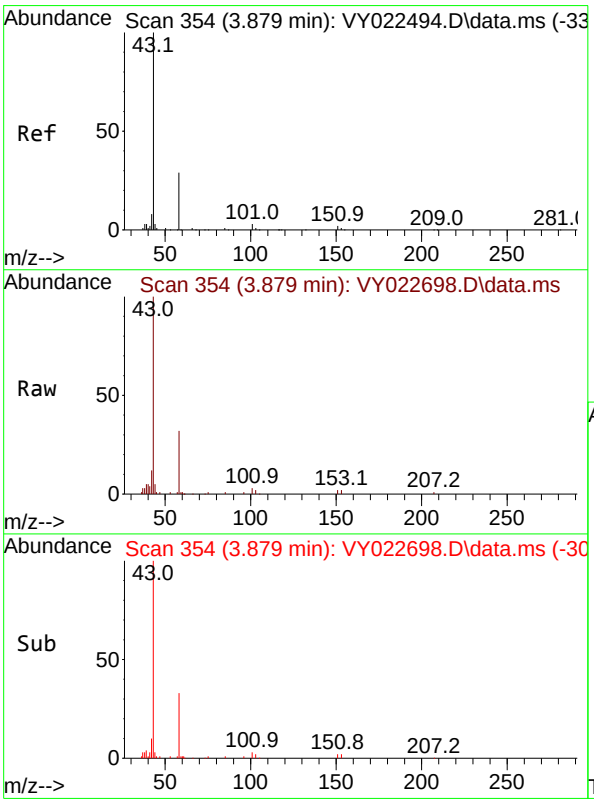
#15
Acrylonitrile
Concen: 113.099 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 53 Resp: 43330

Ion	Ratio	Lower	Upper
53	100		
52	83.6	65.7	98.5
51	37.0	30.1	45.1

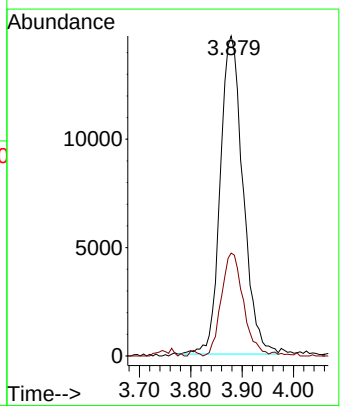


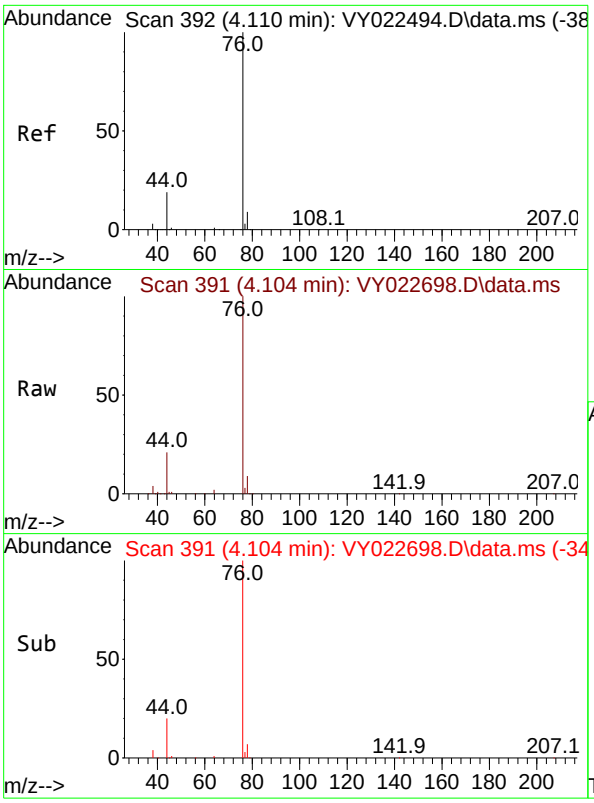


#16
Acetone
Concen: 129.169 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 43 Resp: 45244

Ion	Ratio	Lower	Upper
43	100		
58	32.3	24.0	36.0



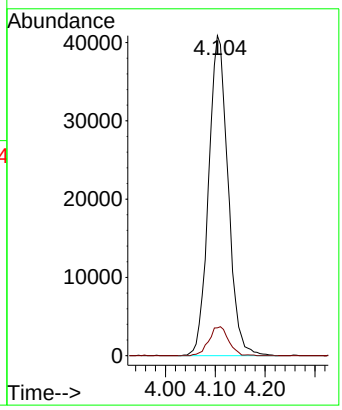


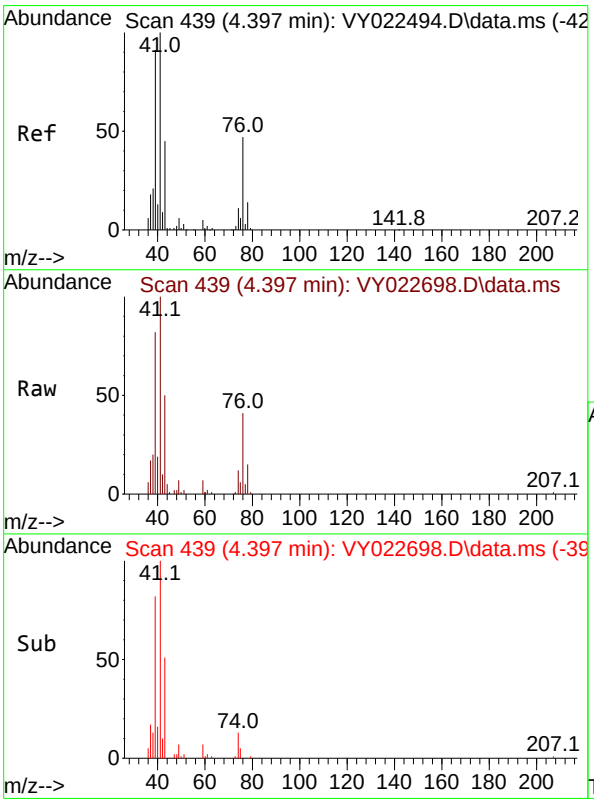
#17
Carbon Disulfide
Concen: 21.370 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 76 Resp: 110639

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.2

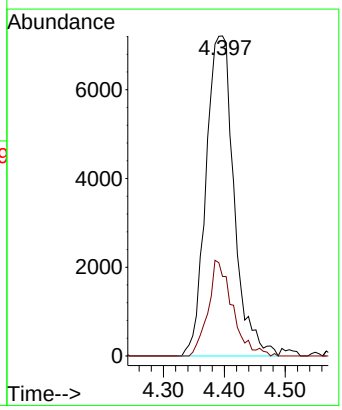


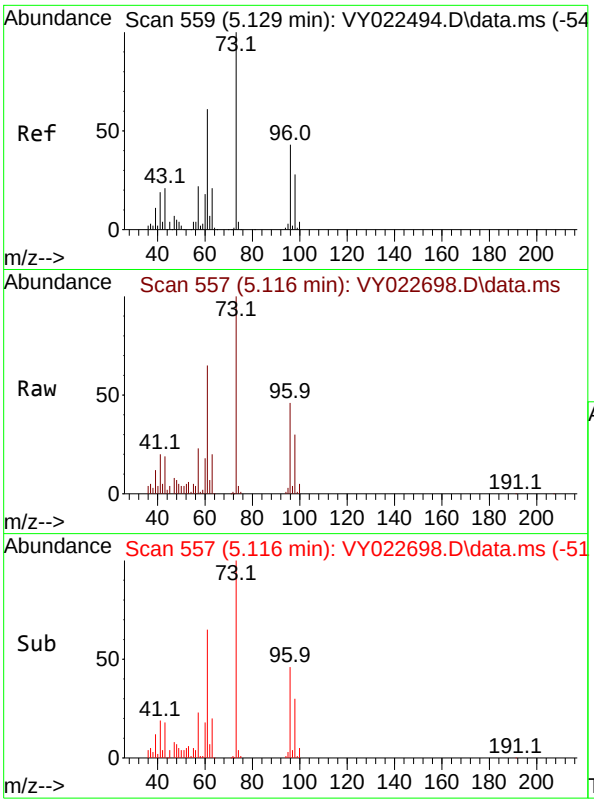


#18
Methyl Acetate
Concen: 22.232 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 43 Resp: 23060

Ion	Ratio	Lower	Upper
43	100		
74	26.0	19.8	29.6



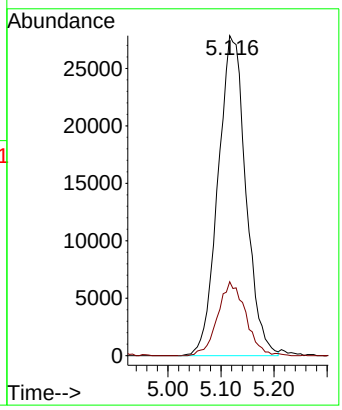


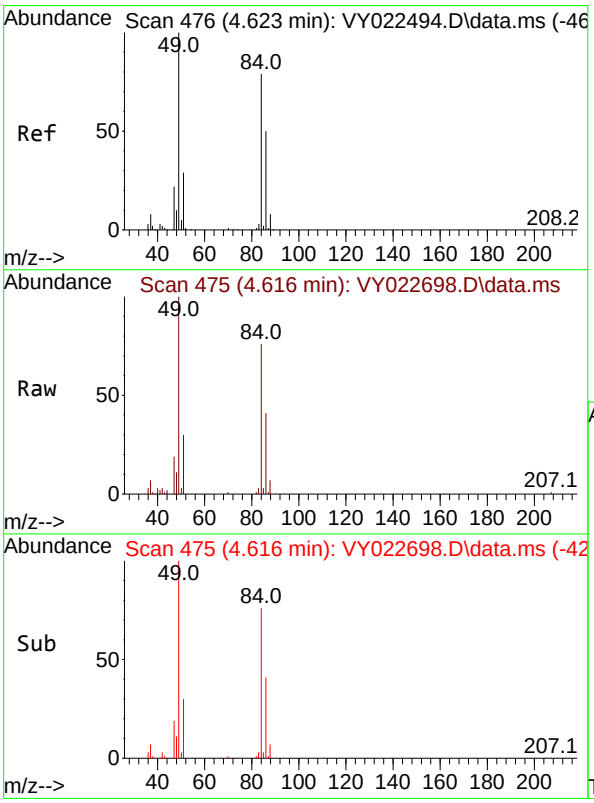
#19
Methyl tert-butyl Ether
Concen: 22.285 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 73 Resp: 101505

Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.4	26.0

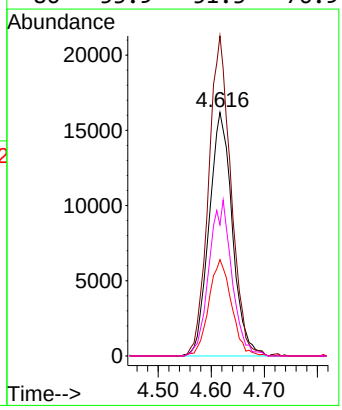


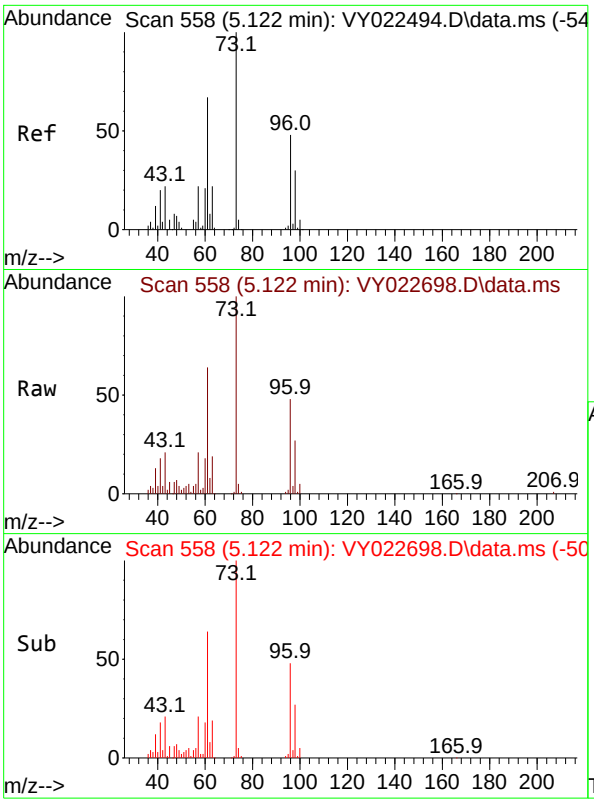


#20
Methylene Chloride
Concen: 24.784 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 84 Resp: 49311

Ion	Ratio	Lower	Upper
84	100		
49	131.4	101.9	152.9
51	39.6	29.8	44.8
86	53.9	51.3	76.9



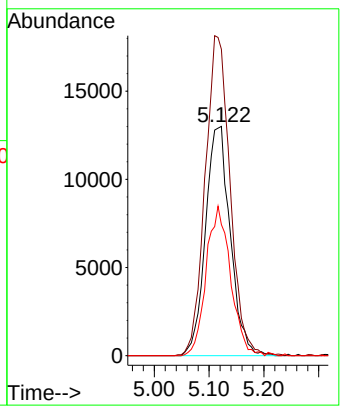


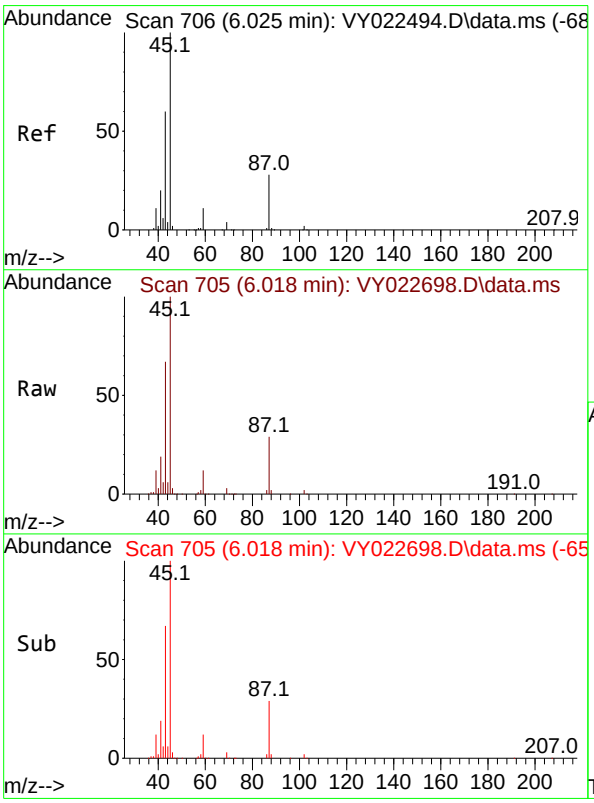
#21
trans-1,2-Dichloroethene
Concen: 22.547 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 96 Resp: 40807

Ion	Ratio	Lower	Upper
96	100		
61	133.2	112.6	169.0
98	57.2	50.6	75.8

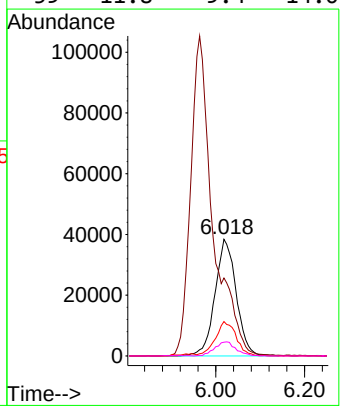


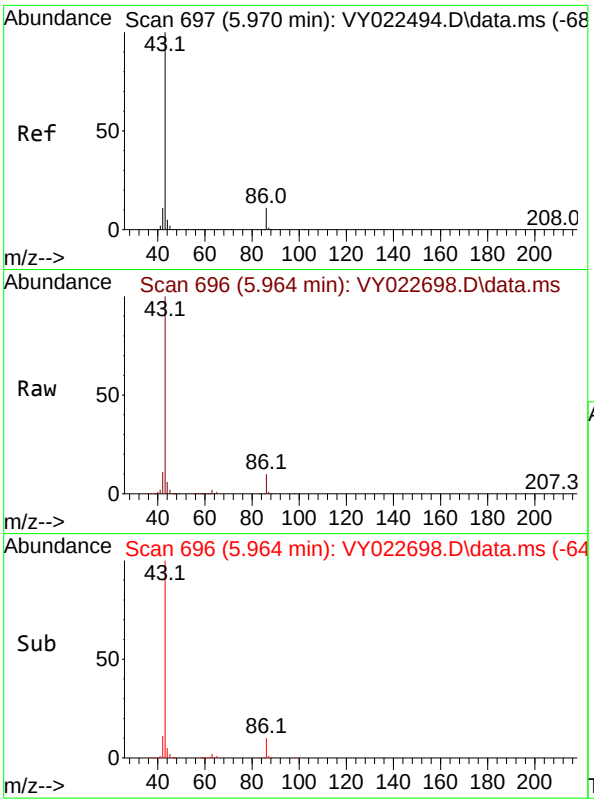


#22
Diisopropyl ether
Concen: 22.525 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 45 Resp: 127285

Ion	Ratio	Lower	Upper
45	100		
43	66.2	48.3	72.5
87	29.5	23.0	34.6
59	11.8	9.4	14.0



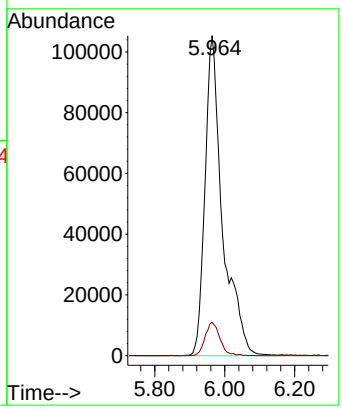


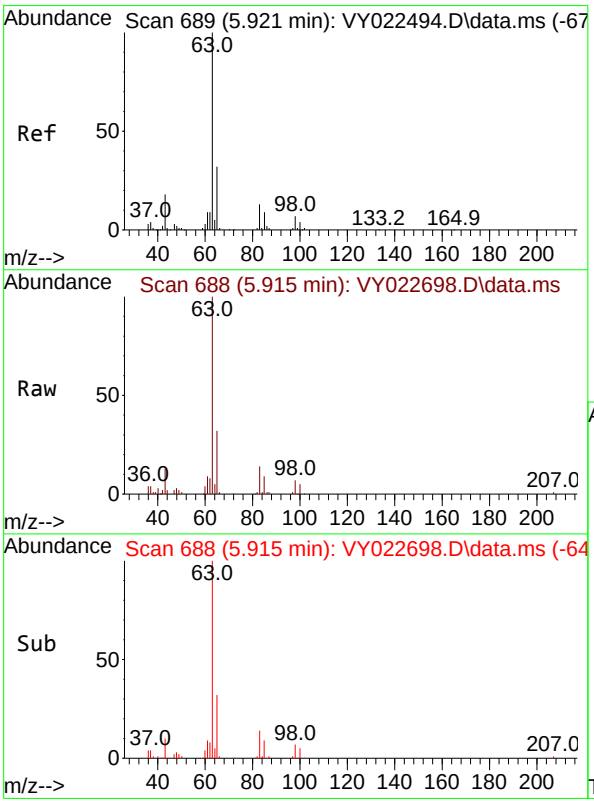
#23
Vinyl Acetate
Concen: 109.700 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 43 Resp: 366903

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.6	12.8

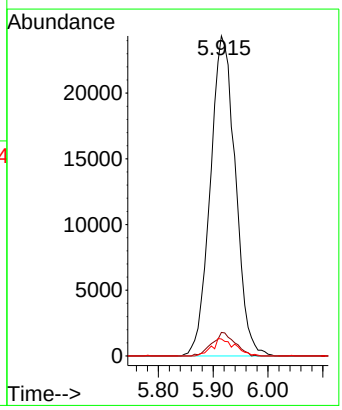


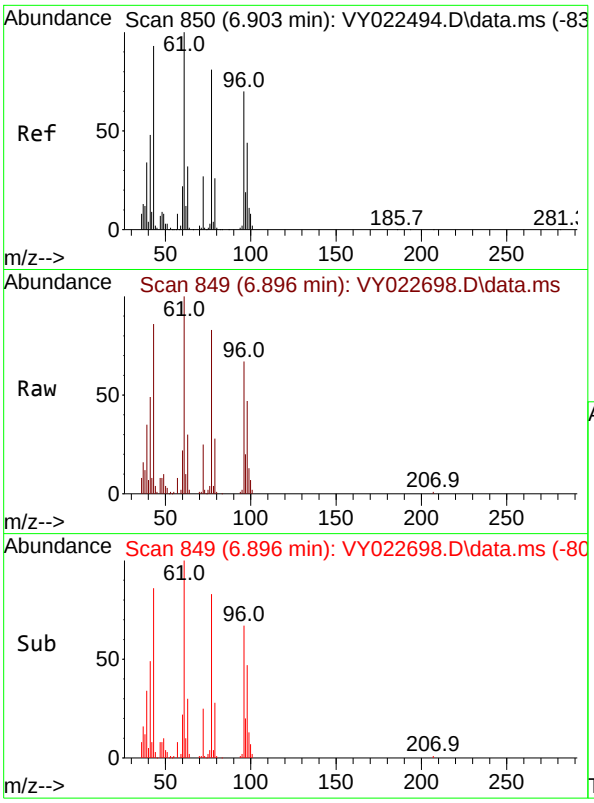


#24
1,1-Dichloroethane
Concen: 23.266 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 63 Resp: 77453

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.4	10.1
100	5.3	2.1	6.3



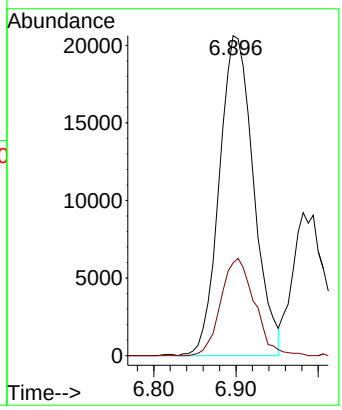


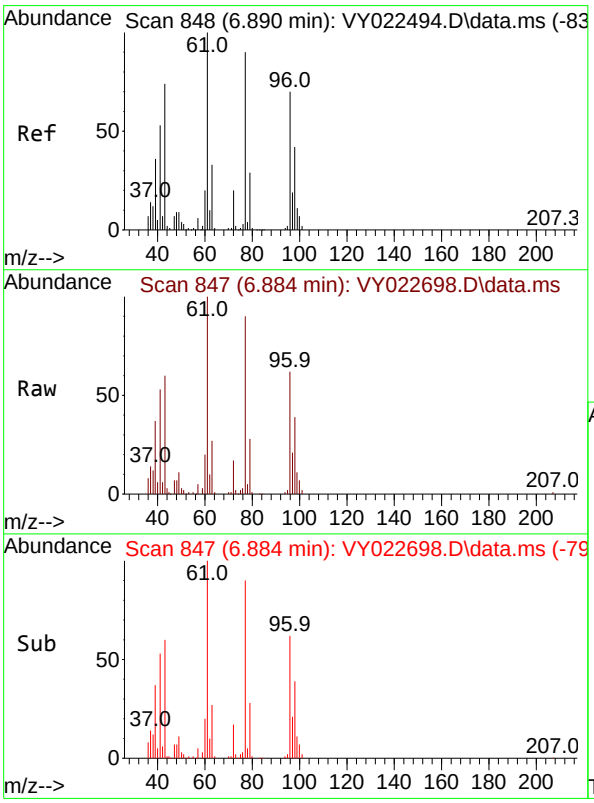
#25
2-Butanone
Concen: 118.250 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 43 Resp: 59745

Ion	Ratio	Lower	Upper
43	100		
72	29.0	22.9	34.3

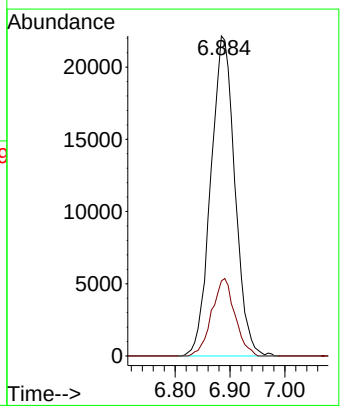


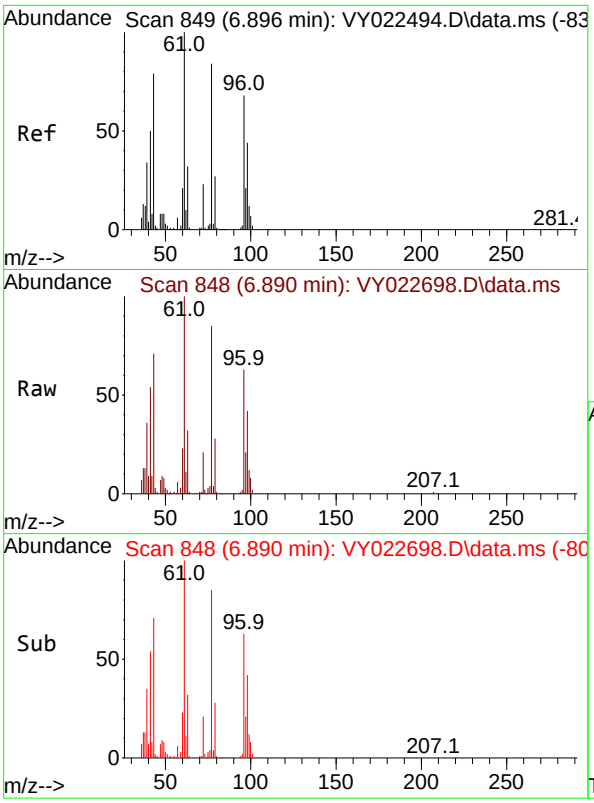


#26
2,2-Dichloropropane
Concen: 22.994 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 77 Resp: 67635

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.4	34.2



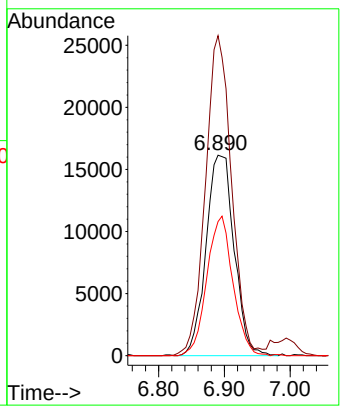


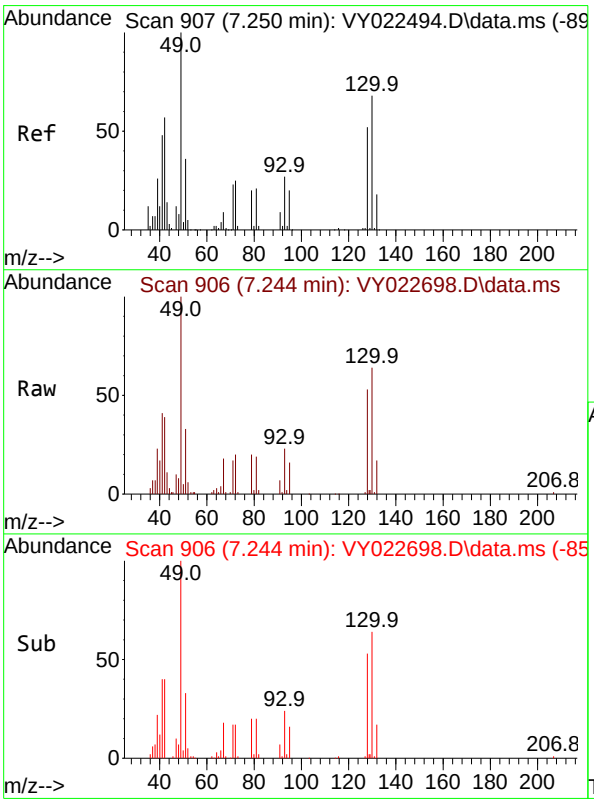
#27
cis-1,2-Dichloroethene
Concen: 22.944 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 96 Resp: 47998

Ion	Ratio	Lower	Upper
96	100		
61	148.9	0.0	290.0
98	64.6	0.0	128.4

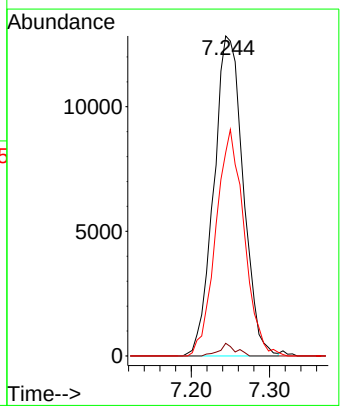


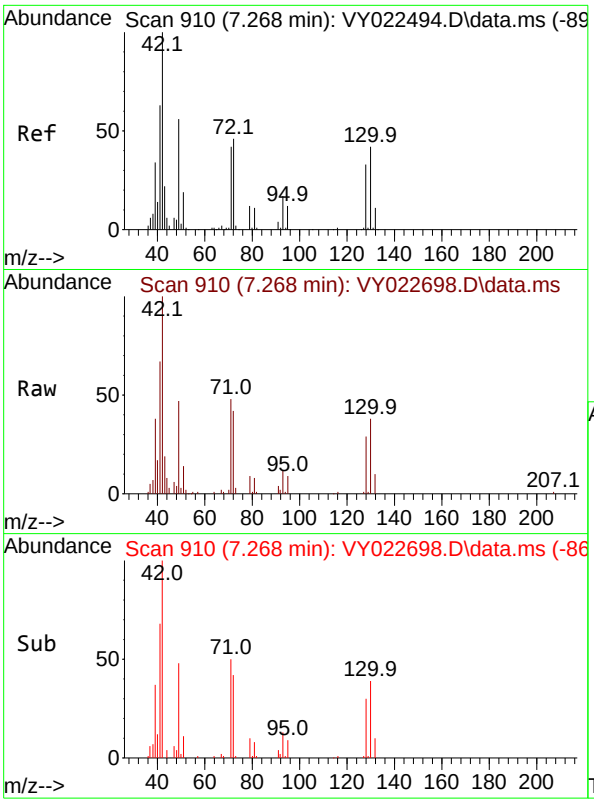


#28
Bromochloromethane
Concen: 23.038 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 49 Resp: 33432

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.6
130	68.5	55.7	83.5



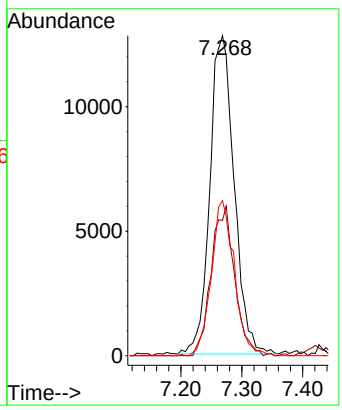


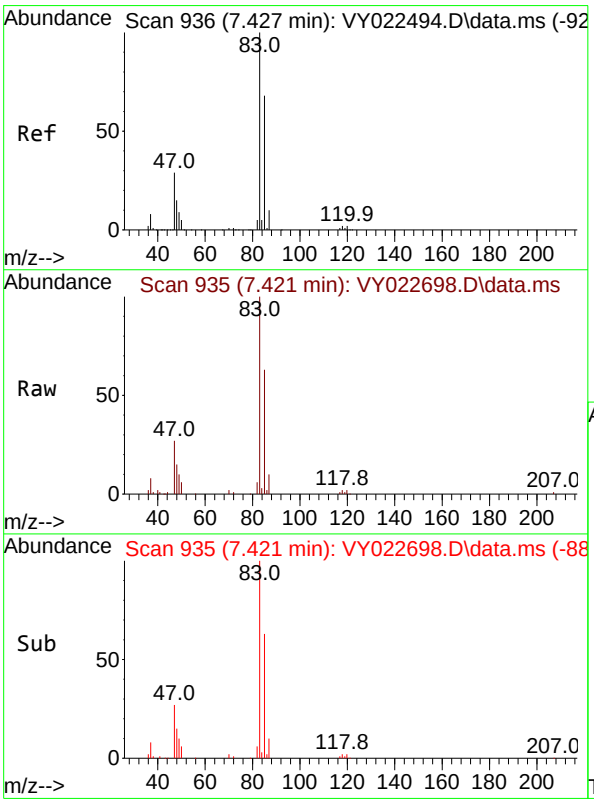
#29
Tetrahydrofuran
Concen: 109.047 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 42 Resp: 35535

Ion	Ratio	Lower	Upper
42	100		
72	45.4	37.4	56.2
71	45.9	34.2	51.2

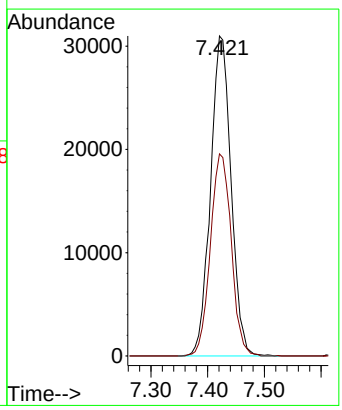


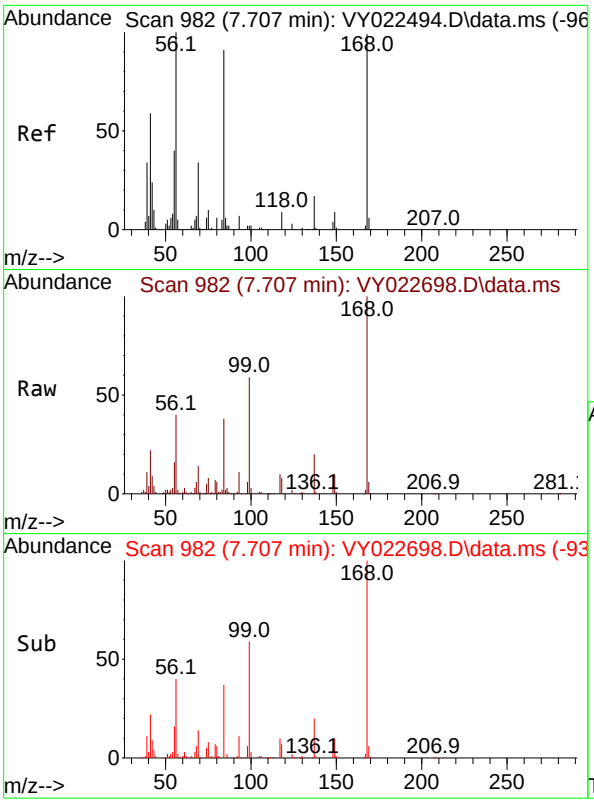


#30
Chloroform
Concen: 23.638 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 83 Resp: 77944

Ion	Ratio	Lower	Upper
83	100		
85	63.1	54.2	81.4



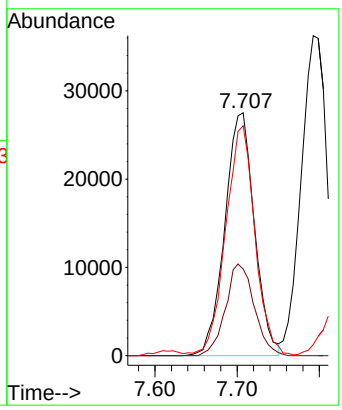


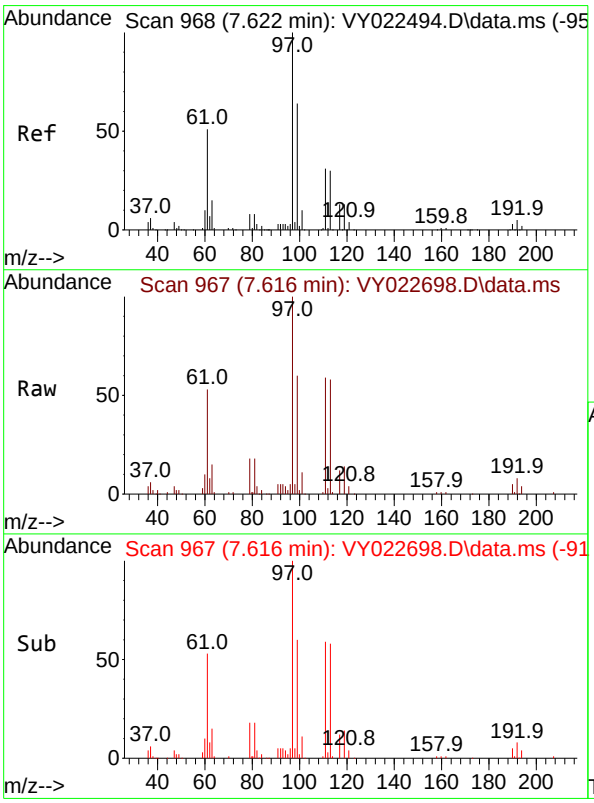
#31
Cyclohexane
Concen: 20.816 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 56 Resp: 68987

Ion	Ratio	Lower	Upper
56	100		
69	35.6	27.0	40.6
84	93.2	72.6	109.0

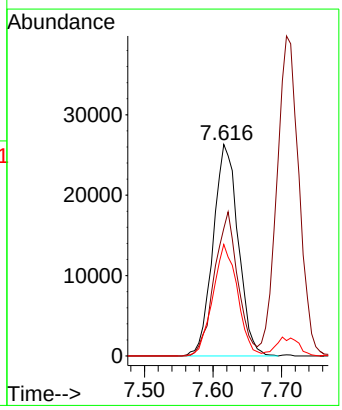


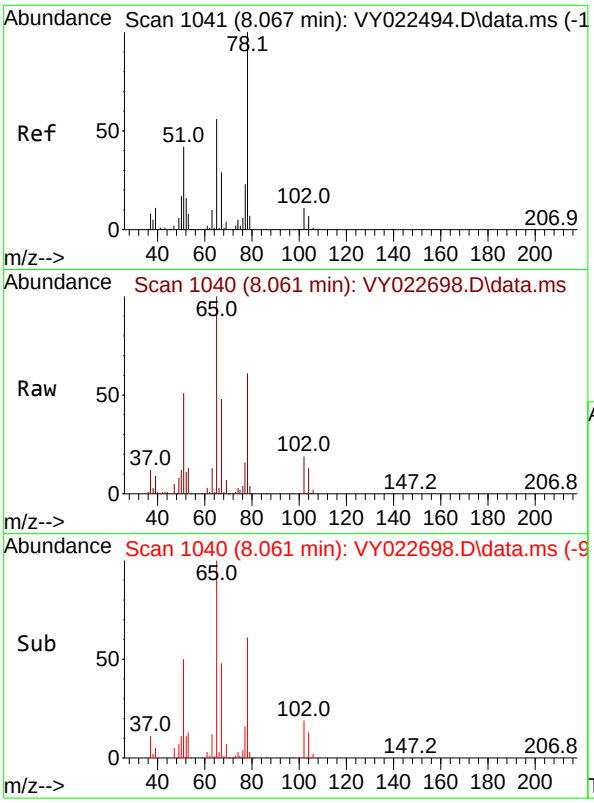


#32
1,1,1-Trichloroethane
Concen: 22.859 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 97 Resp: 66910

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.9	76.3
61	51.8	38.5	57.7



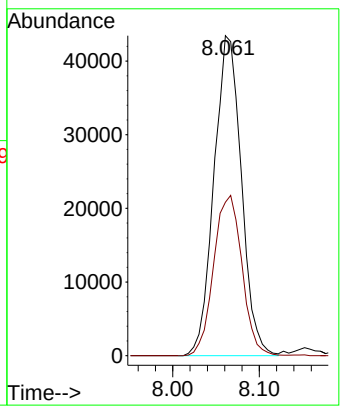


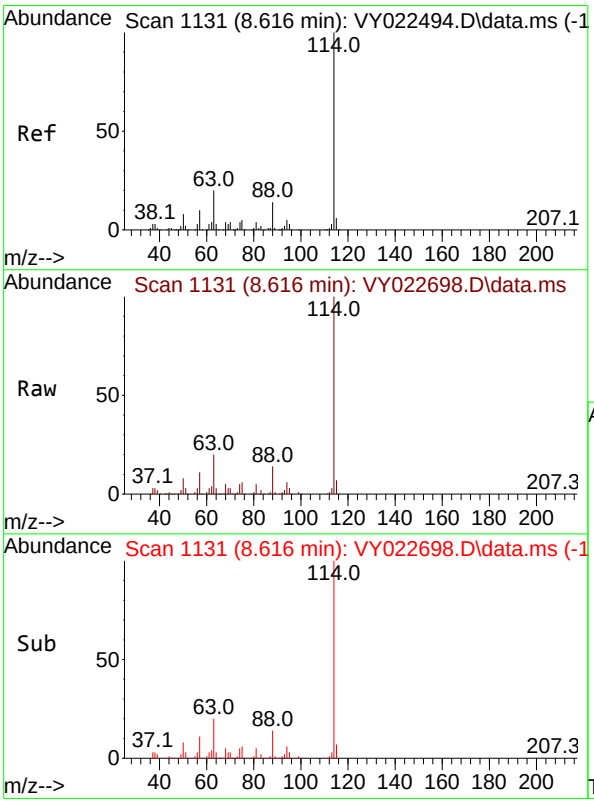
#33
1,2-Dichloroethane-d4
Concen: 55.317 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 65 Resp: 95407

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.4

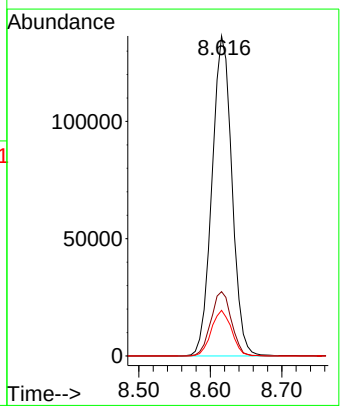


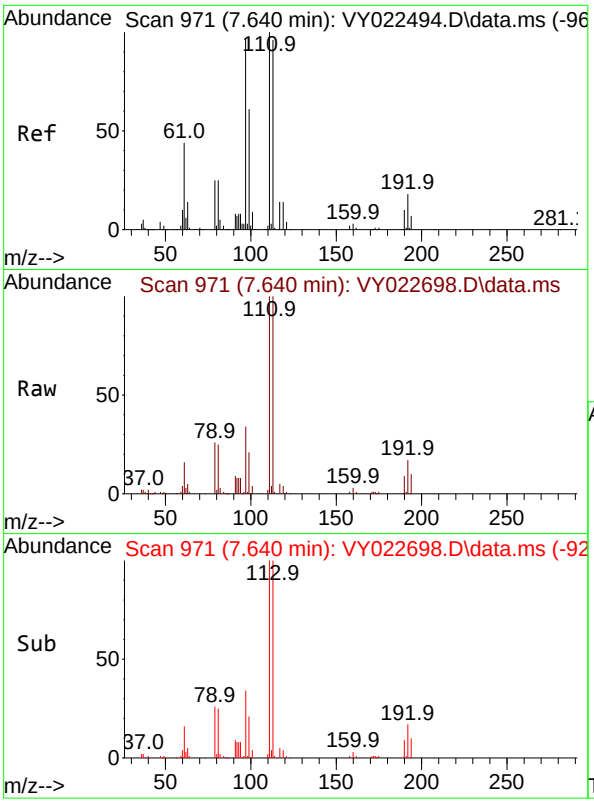


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:114 Resp: 264302

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.8
88	14.2	0.0	27.8



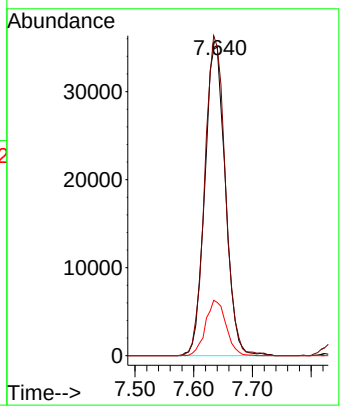


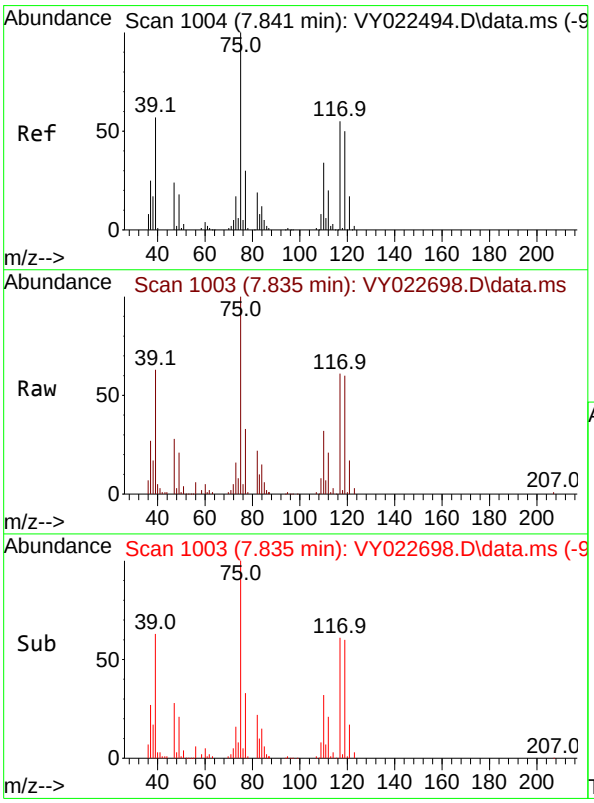
#35
Dibromofluoromethane
Concen: 54.437 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion:113 Resp: 85878

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.1	121.7
192	17.8	14.2	21.2

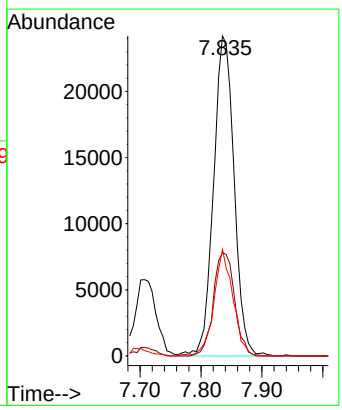


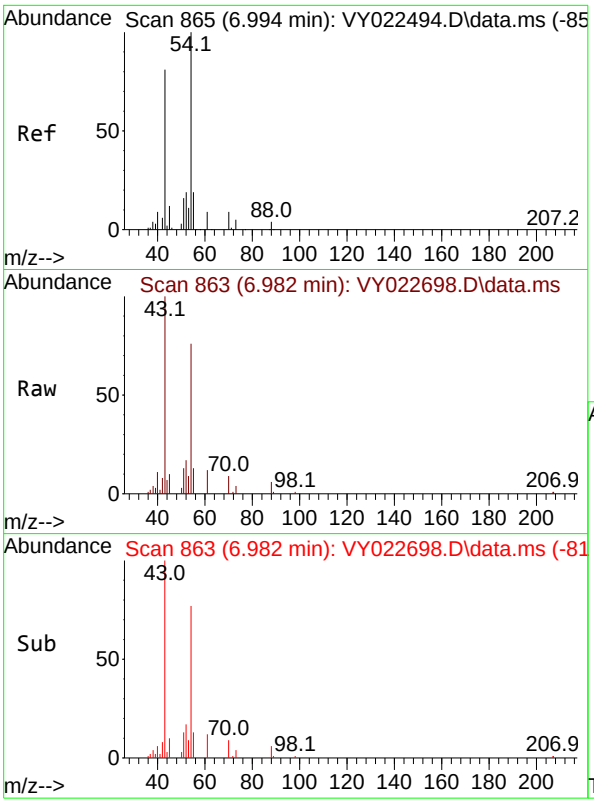


#36
1,1-Dichloropropene
Concen: 22.177 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 75 Resp: 56782

Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.9	50.7
77	30.9	24.8	37.2



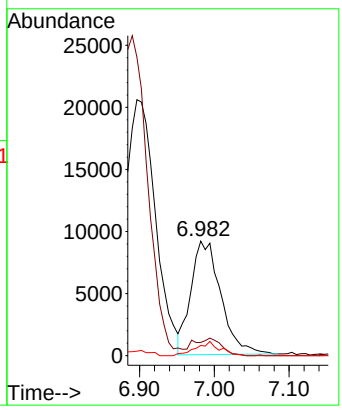


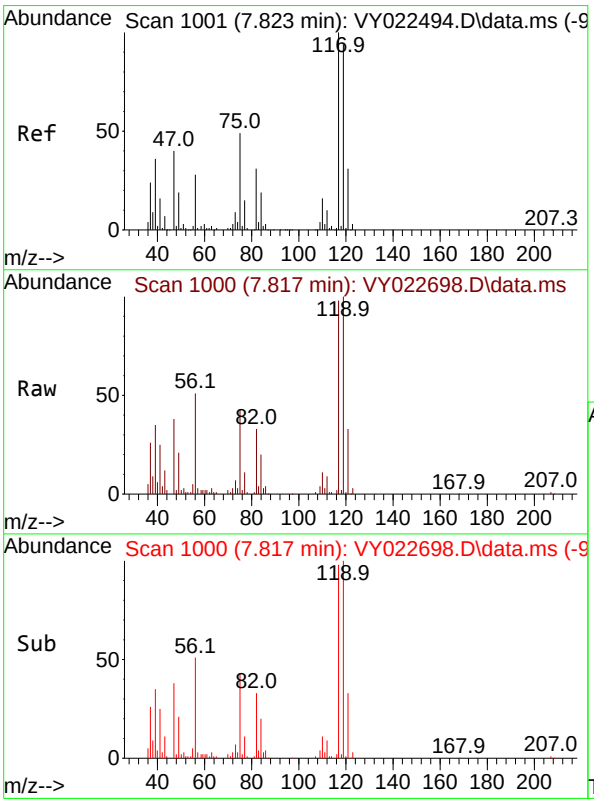
#37
Ethyl Acetate
Concen: 22.364 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.012 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 43 Resp: 25536

Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.5	17.3
70	9.9	7.2	10.8

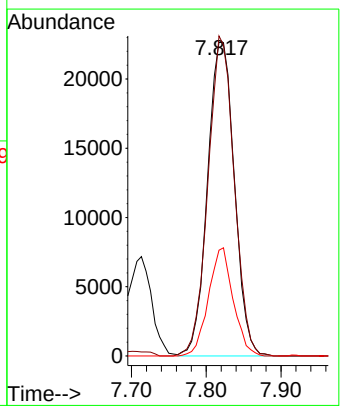


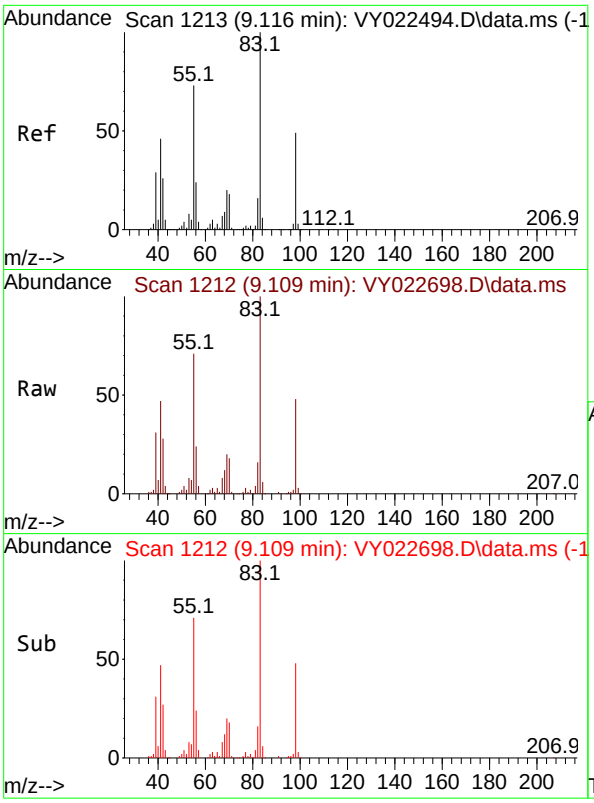


#38
Carbon Tetrachloride
Concen: 21.610 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:117 Resp: 56761

Ion	Ratio	Lower	Upper
117	100		
119	102.0	75.0	112.6
121	33.7	25.0	37.4



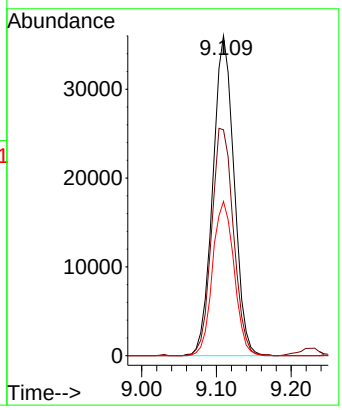


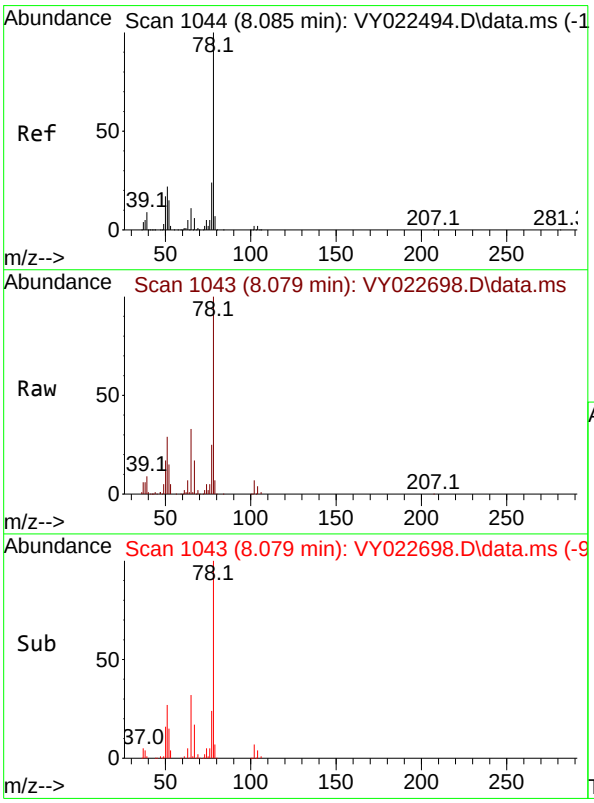
#39
Methylcyclohexane
Concen: 20.689 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 83 Resp: 71187

Ion	Ratio	Lower	Upper
83	100		
55	70.6	58.1	87.1
98	48.2	39.0	58.6

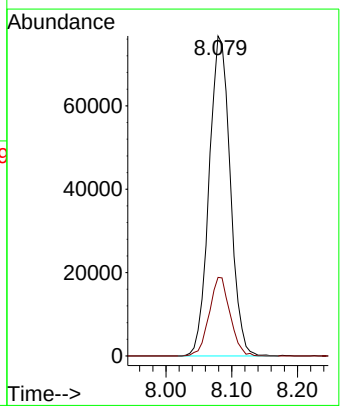


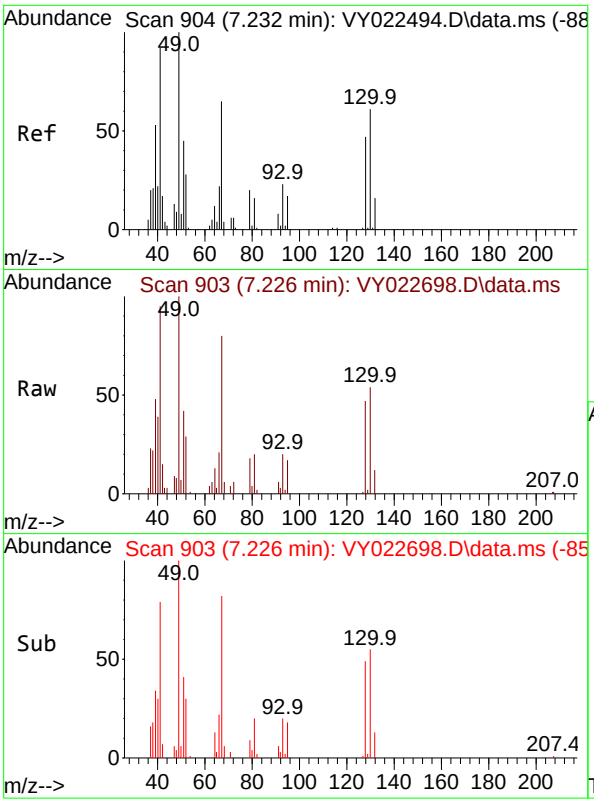


#40
Benzene
Concen: 22.703 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 78 Resp: 171688

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.3	28.9



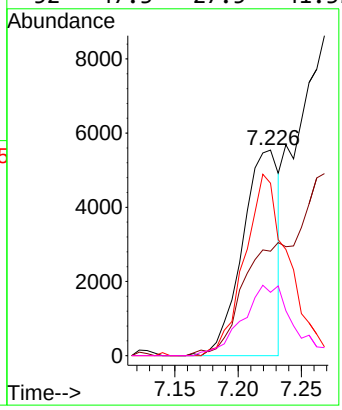


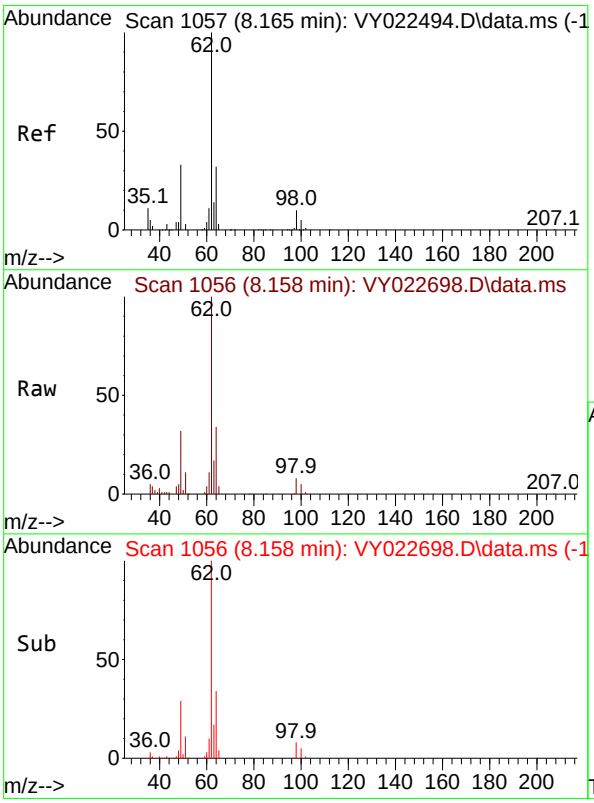
#41
Methacrylonitrile
Concen: 16.651 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 41 Resp: 11105

Ion	Ratio	Lower	Upper
41	100		
39	0.0	46.6	69.8#
67	107.0	63.3	94.9#
52	47.3	27.5	41.3#

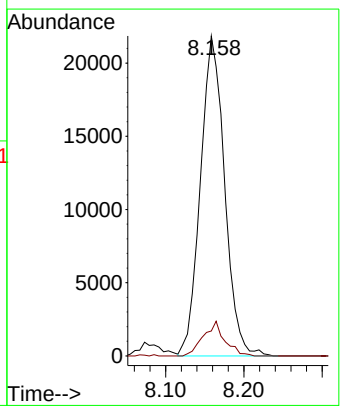


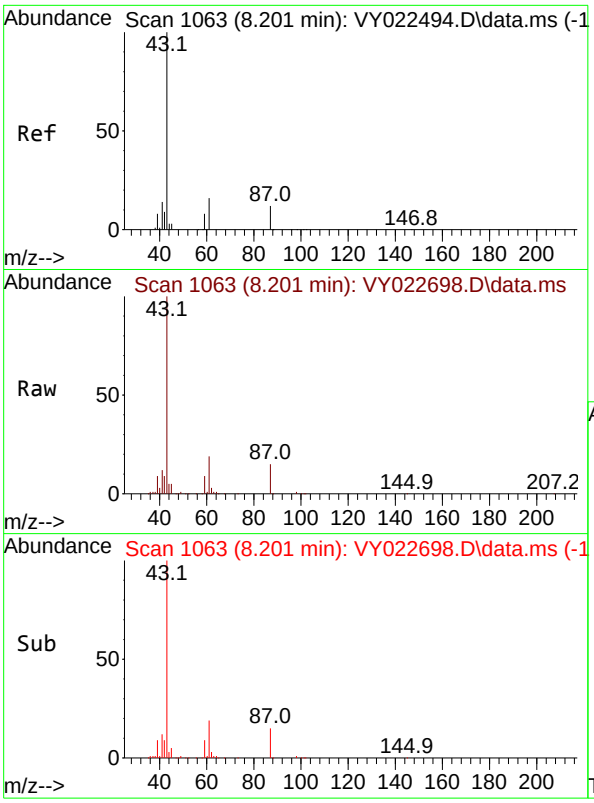


#42
1,2-Dichloroethane
Concen: 22.741 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 62 Resp: 46956

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.2



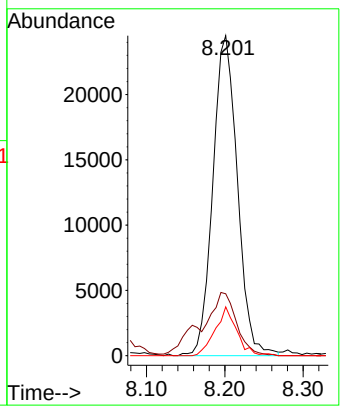


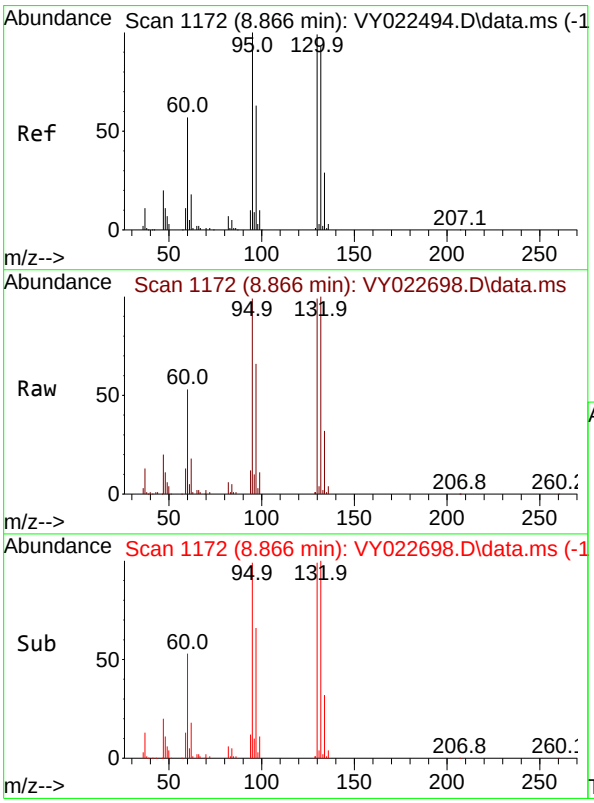
#43
Isopropyl Acetate
Concen: 21.643 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 43 Resp: 53371

Ion	Ratio	Lower	Upper
43	100		
61	20.6	15.6	23.4
87	13.5	10.2	15.4

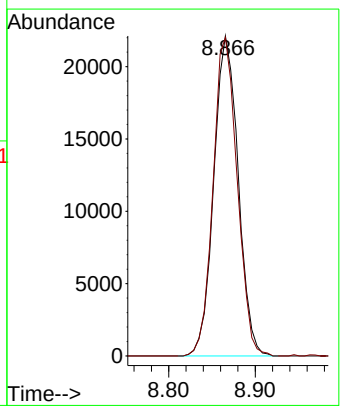


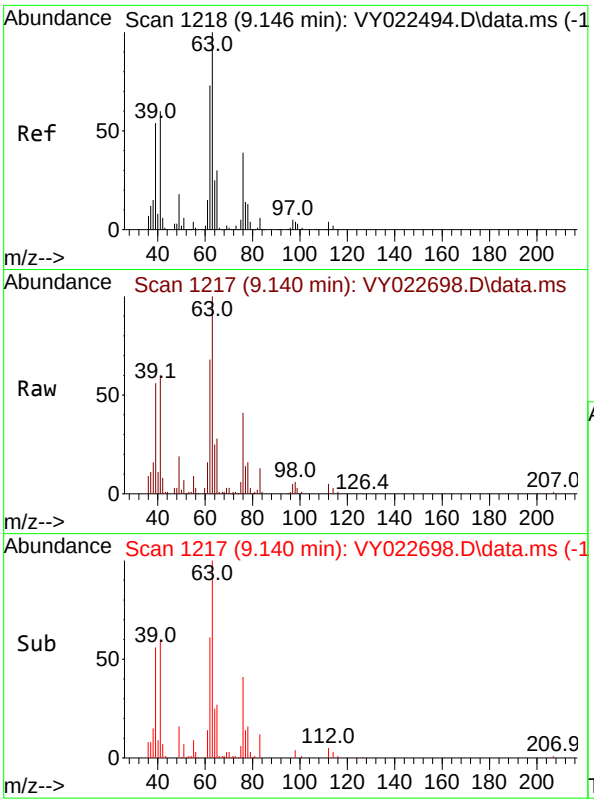


#44
Trichloroethene
Concen: 23.404 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:130 Resp: 43256

Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	203.0



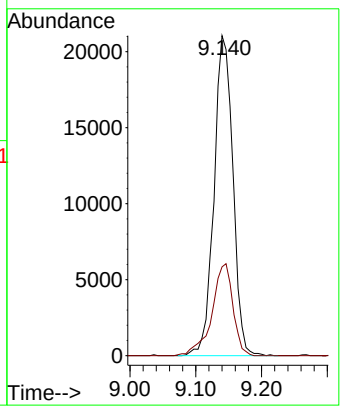


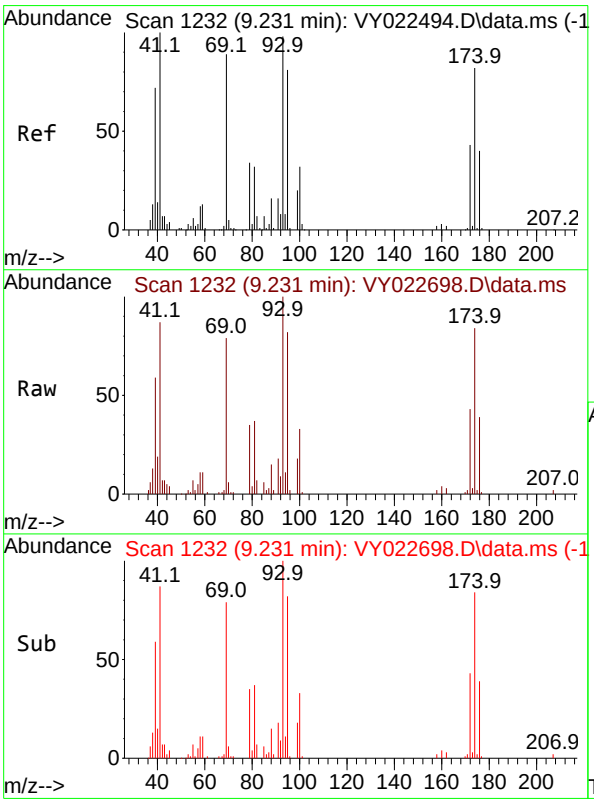
#45
1,2-Dichloropropane
Concen: 23.548 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 63 Resp: 42085

Ion	Ratio	Lower	Upper
63	100		
65	27.7	24.0	36.0

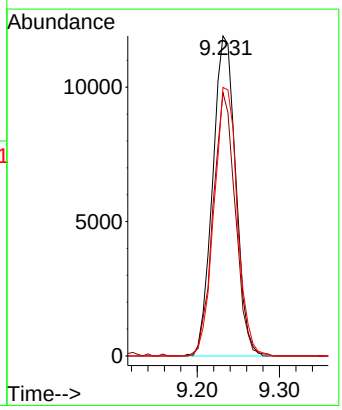


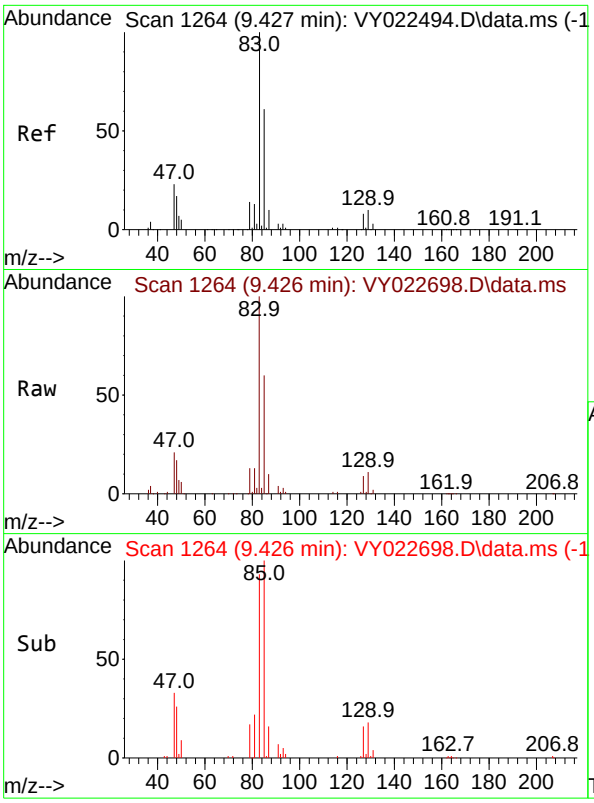


#46
Dibromomethane
Concen: 23.094 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 93 Resp: 23220

Ion	Ratio	Lower	Upper
93	100		
95	79.0	65.6	98.4
174	84.6	70.4	105.6



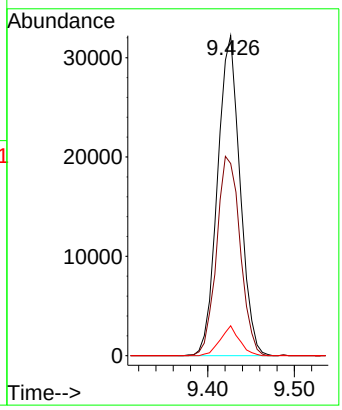


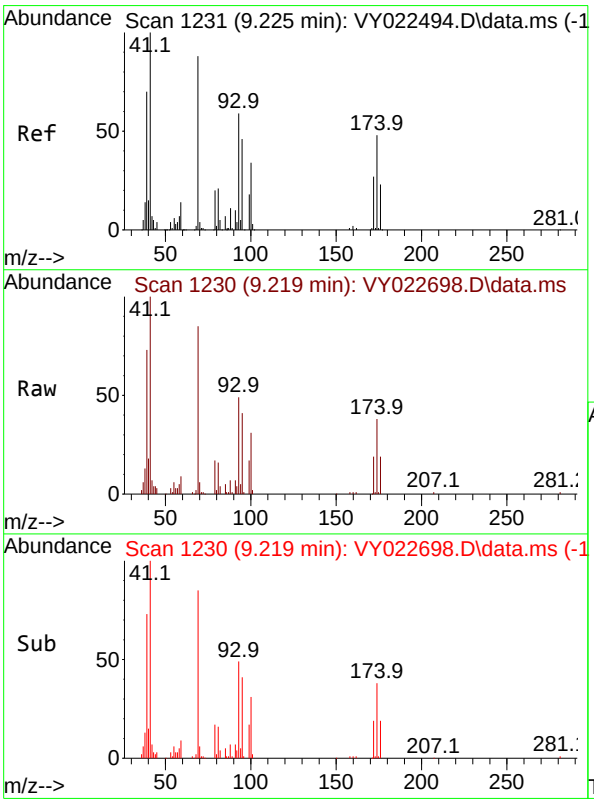
#47
Bromodichloromethane
Concen: 22.777 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 83 Resp: 58071

Ion	Ratio	Lower	Upper
83	100		
85	60.0	49.1	73.7
127	9.4	6.2	9.4

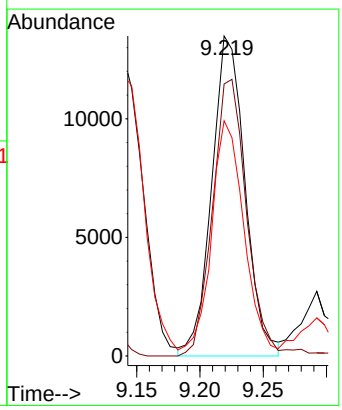


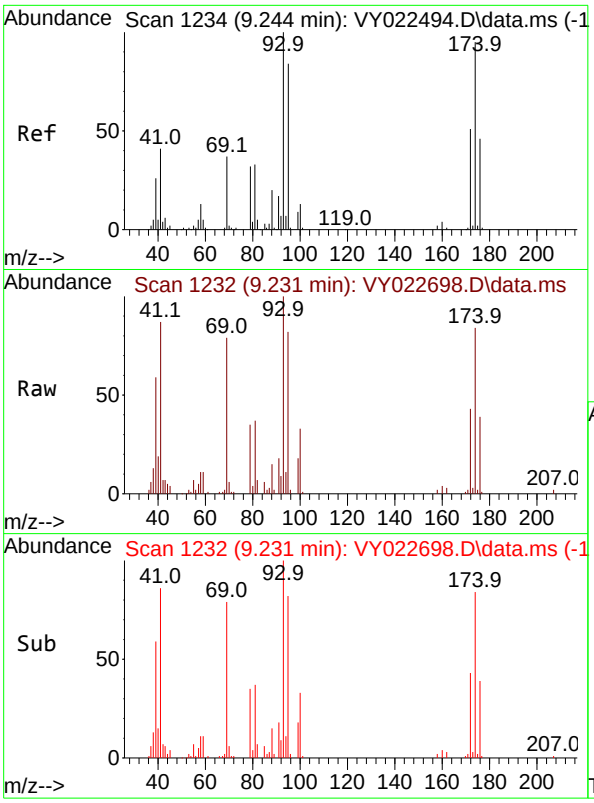


#48
Methyl methacrylate
Concen: 21.328 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 41 Resp: 24684

Ion	Ratio	Lower	Upper
41	100		
69	89.4	67.8	101.8
39	68.6	55.0	82.4



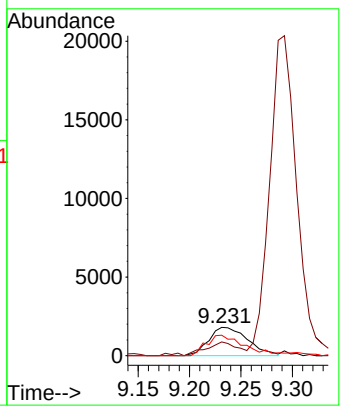


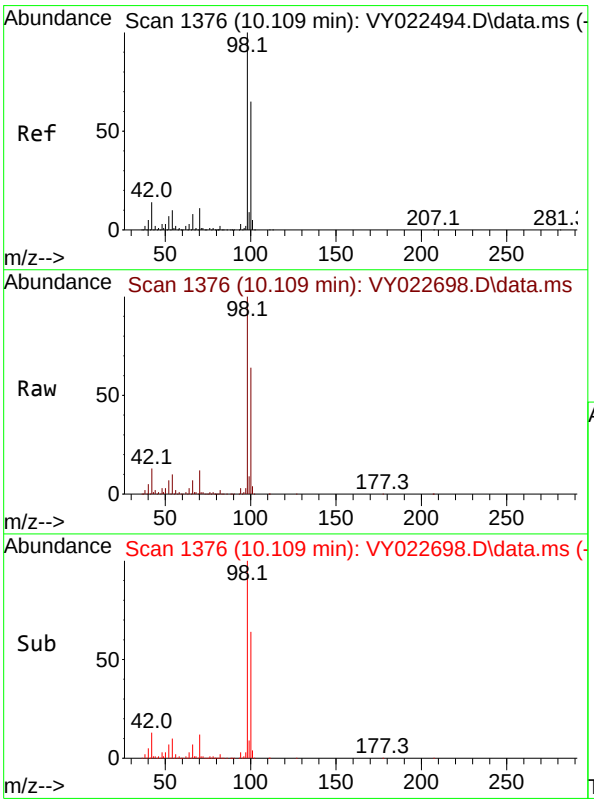
#49
1,4-Dioxane
Concen: 398.509 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 88 Resp: 4747

Ion	Ratio	Lower	Upper
88	100		
43	39.2	25.4	38.2#
58	71.4	54.9	82.3

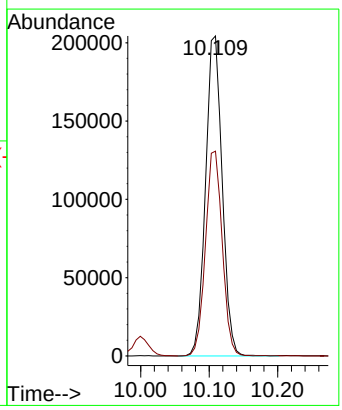


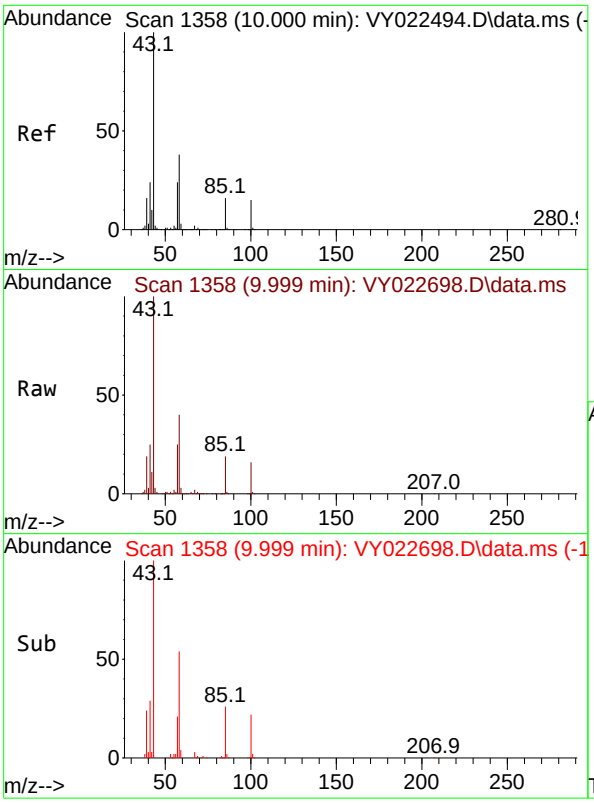


#50
Toluene-d8
Concen: 54.130 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 98 Resp: 345045

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0



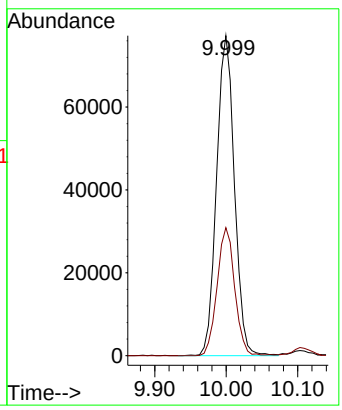


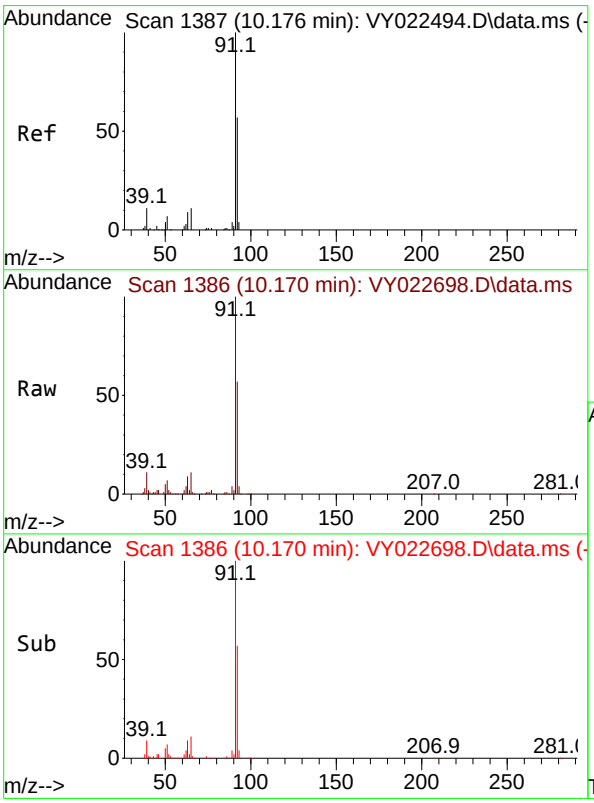
#51
4-Methyl-2-Pentanone
Concen: 108.744 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 43 Resp: 133697

Ion	Ratio	Lower	Upper
43	100		
58	39.5	30.4	45.6

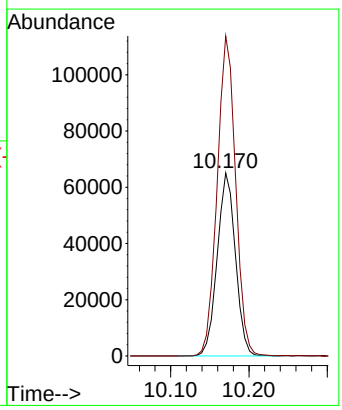


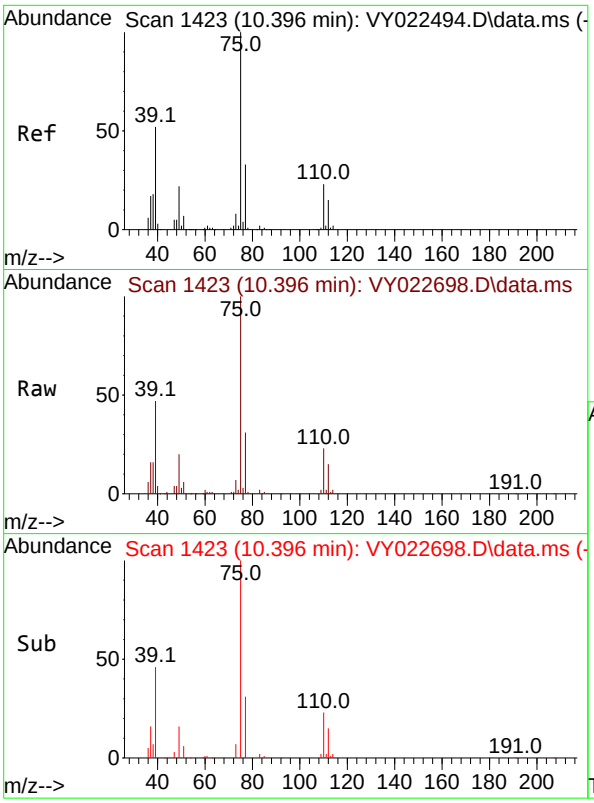


#52
Toluene
Concen: 22.165 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 92 Resp: 105337

Ion	Ratio	Lower	Upper
92	100		
91	177.2	139.0	208.4



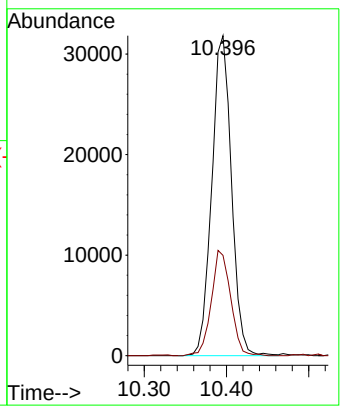


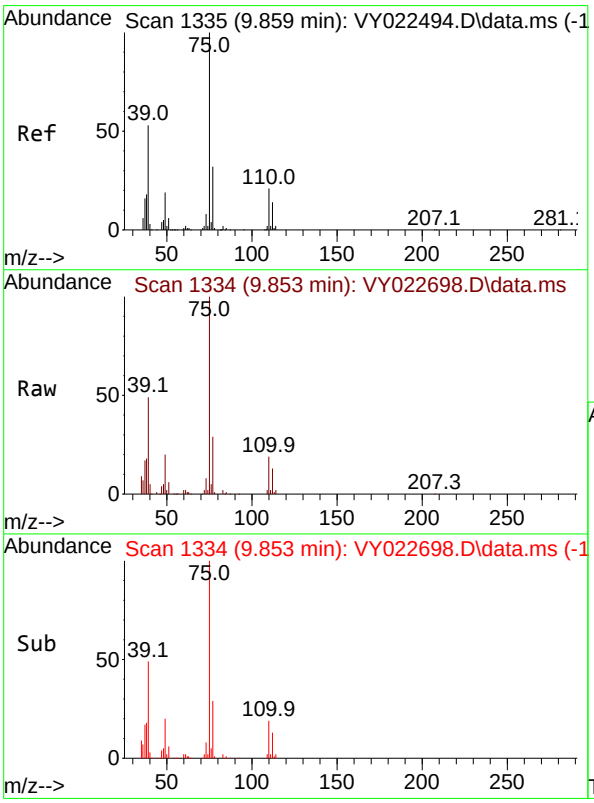
#53
t-1,3-Dichloropropene
Concen: 22.135 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 75 Resp: 52876

Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.5	39.7

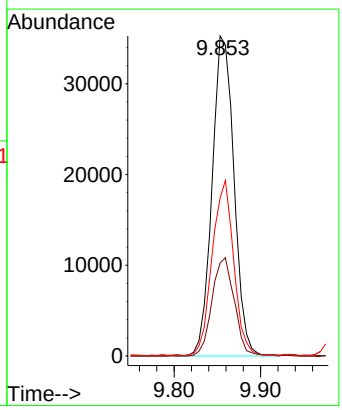


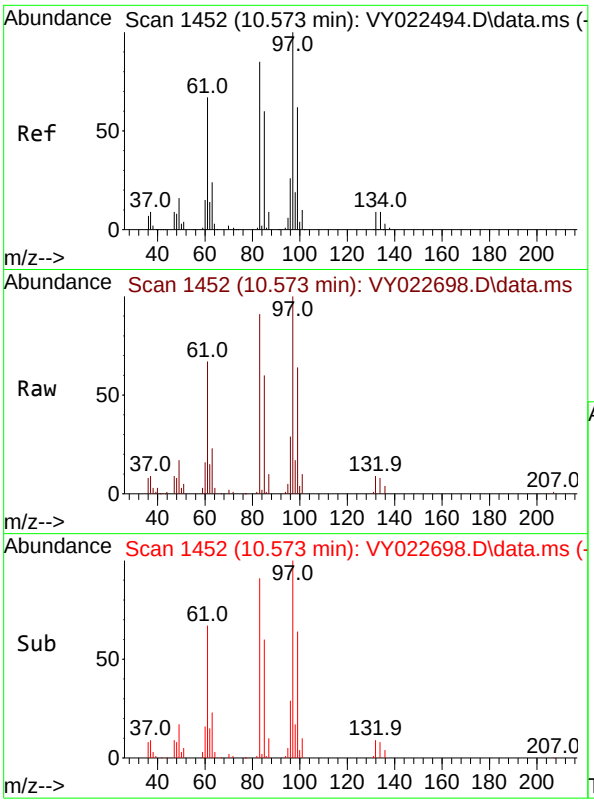


#54
cis-1,3-Dichloropropene
Concen: 22.295 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 75 Resp: 61997

Ion	Ratio	Lower	Upper
75	100		
77	29.0	25.3	37.9
39	49.3	42.7	64.1



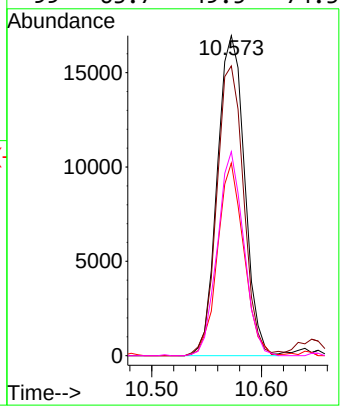


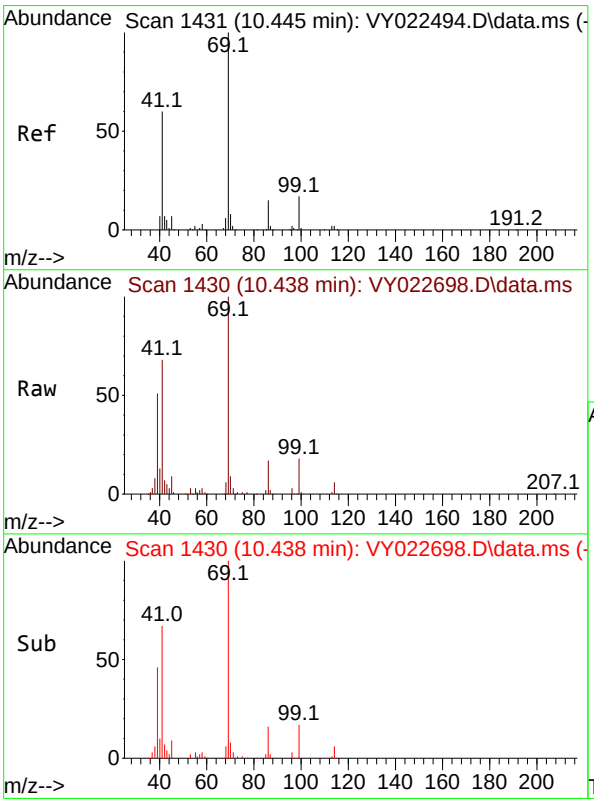
#55
1,1,2-Trichloroethane
Concen: 22.865 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 97 Resp: 29316

Ion	Ratio	Lower	Upper
97	100		
83	90.6	68.1	102.1
85	60.2	48.2	72.2
99	63.7	49.5	74.3

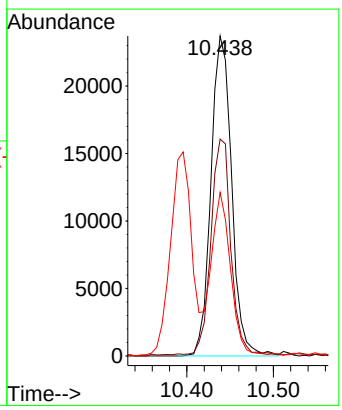


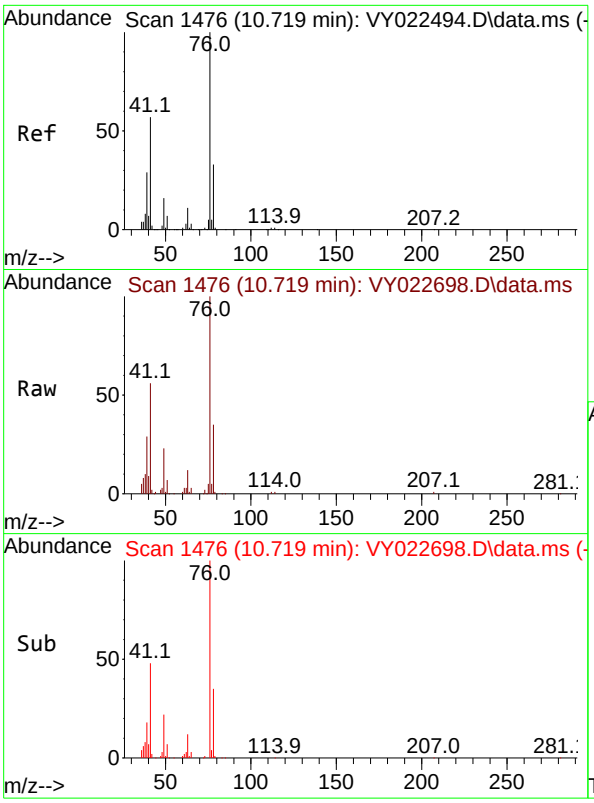


#56
Ethyl methacrylate
Concen: 21.236 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 69 Resp: 39351

Ion	Ratio	Lower	Upper
69	100		
41	65.3	52.2	78.2
39	48.2	36.7	55.1



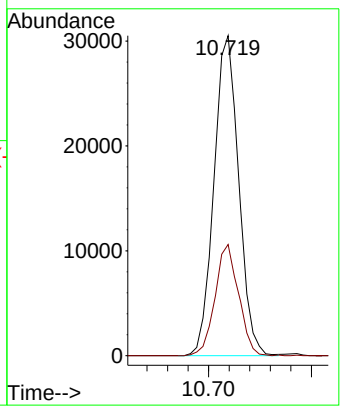


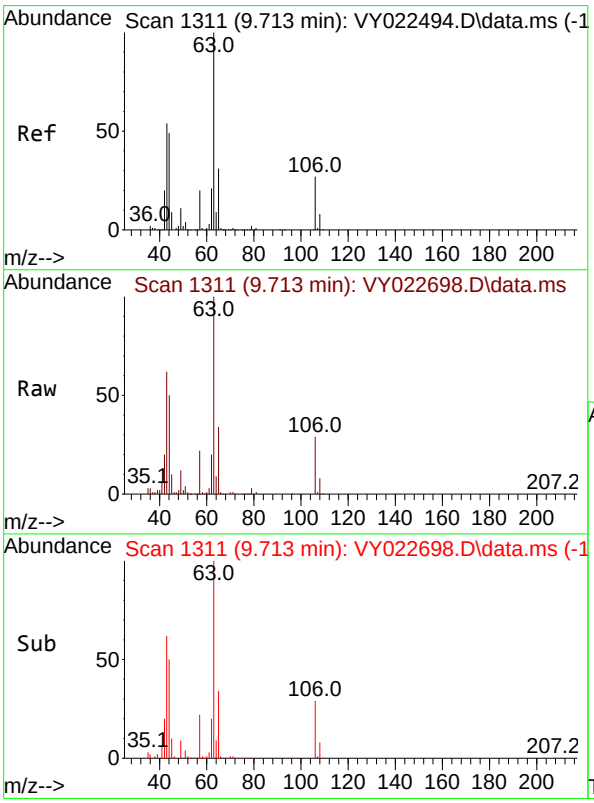
#57
1,3-Dichloropropane
Concen: 22.406 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 76 Resp: 50916

Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.8	38.8

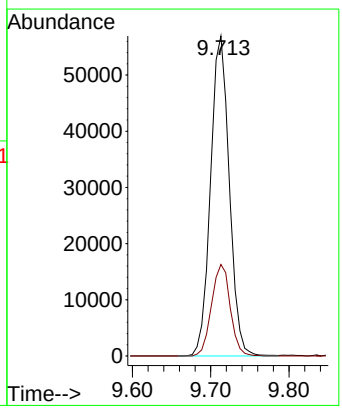


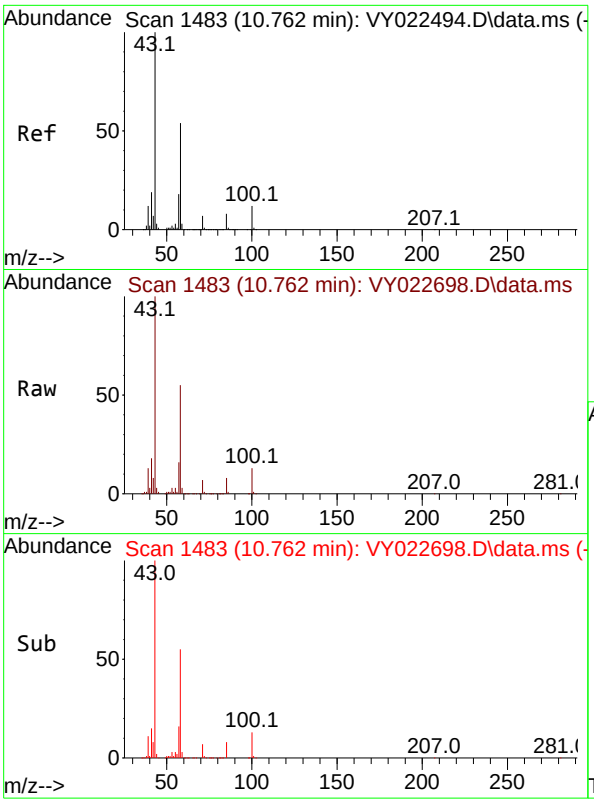


#58
2-Chloroethyl Vinyl ether
Concen: 112.411 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 63 Resp: 94575

Ion	Ratio	Lower	Upper
63	100		
106	28.5	21.6	32.4



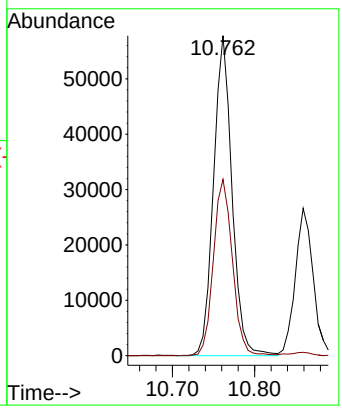


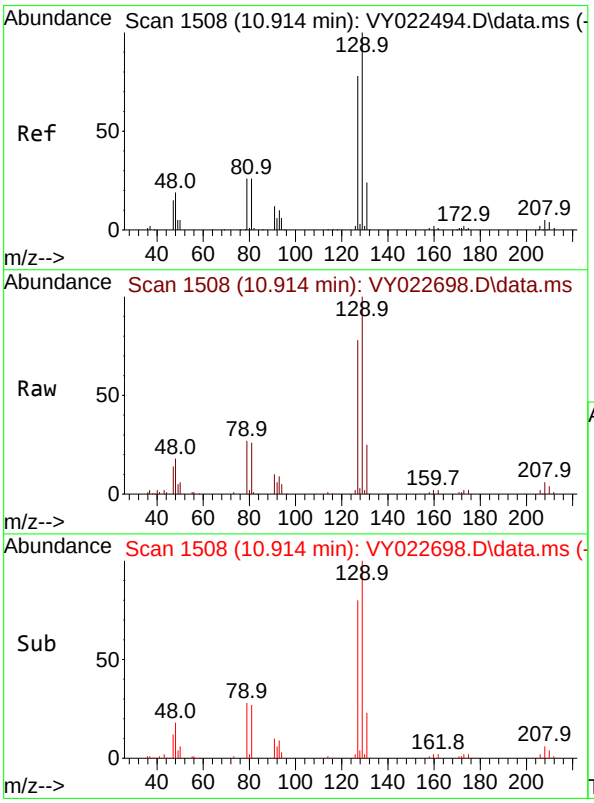
#59
2-Hexanone
Concen: 109.691 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 43 Resp: 90194

Ion	Ratio	Lower	Upper
43	100		
58	56.5	27.3	81.8

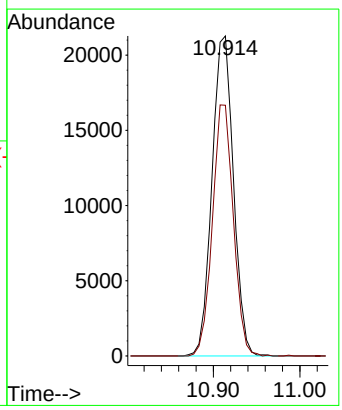


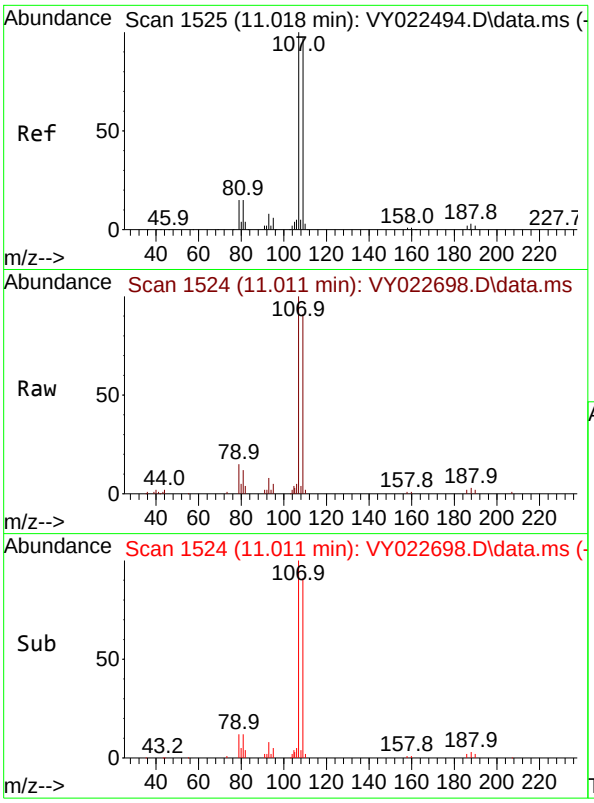


#60
Dibromochloromethane
Concen: 22.448 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:129 Resp: 36576

Ion	Ratio	Lower	Upper
129	100		
127	76.5	39.1	117.2



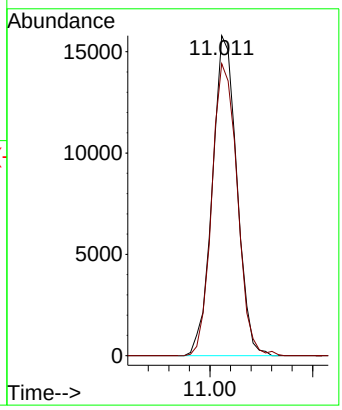


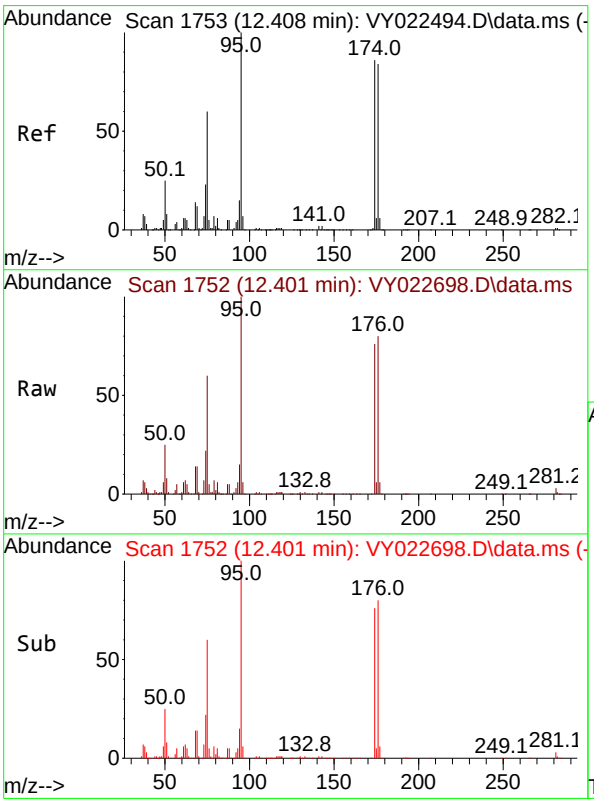
#61
1,2-Dibromoethane
Concen: 22.333 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion:107 Resp: 26098

Ion	Ratio	Lower	Upper
107	100		
109	94.6	77.7	116.5

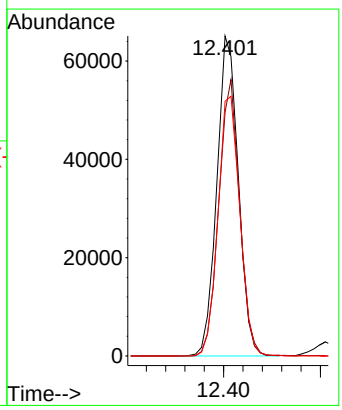


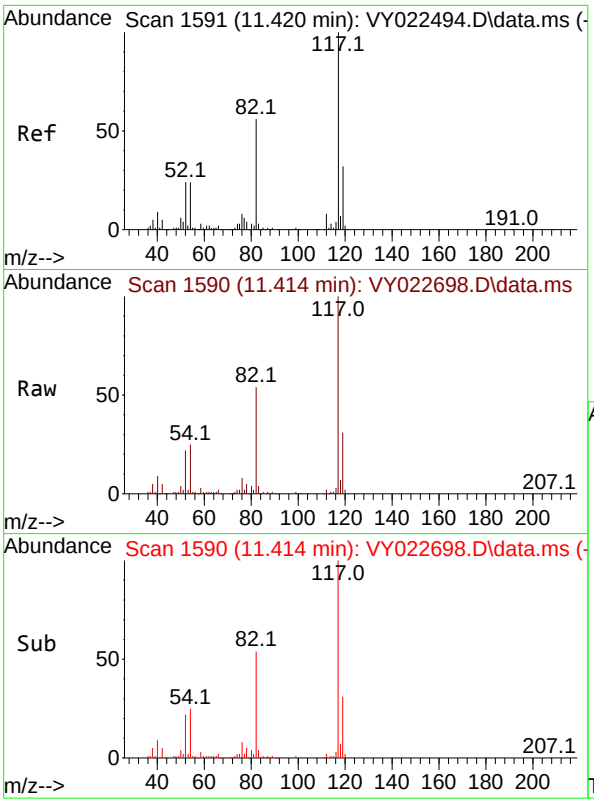


#62
4-Bromofluorobenzene
Concen: 52.730 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 95 Resp: 100147

Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	170.0
176	82.7	0.0	166.2



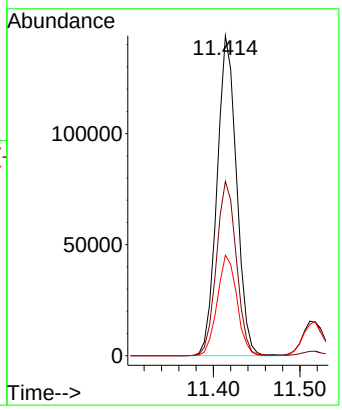


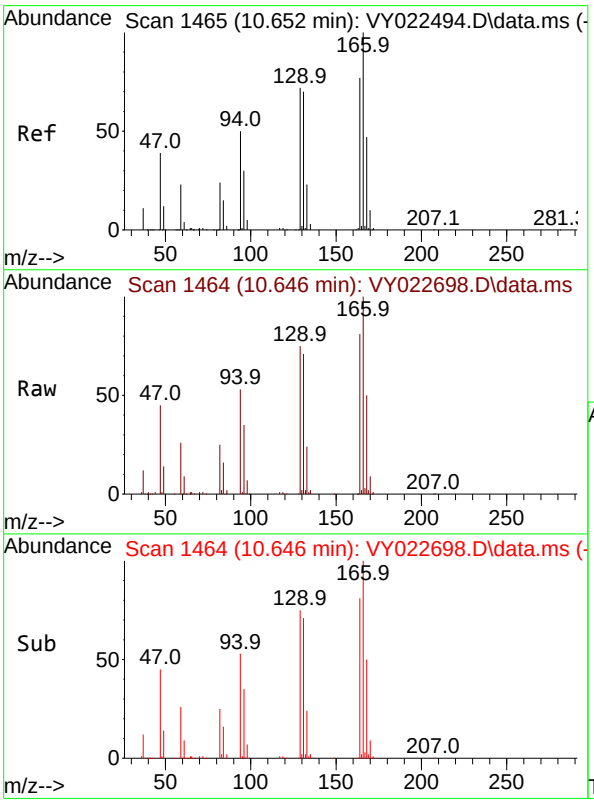
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion:117 Resp: 225807

Ion	Ratio	Lower	Upper
117	100		
82	54.5	44.6	66.8
119	31.4	25.4	38.0

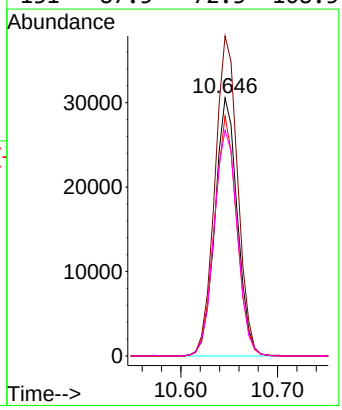


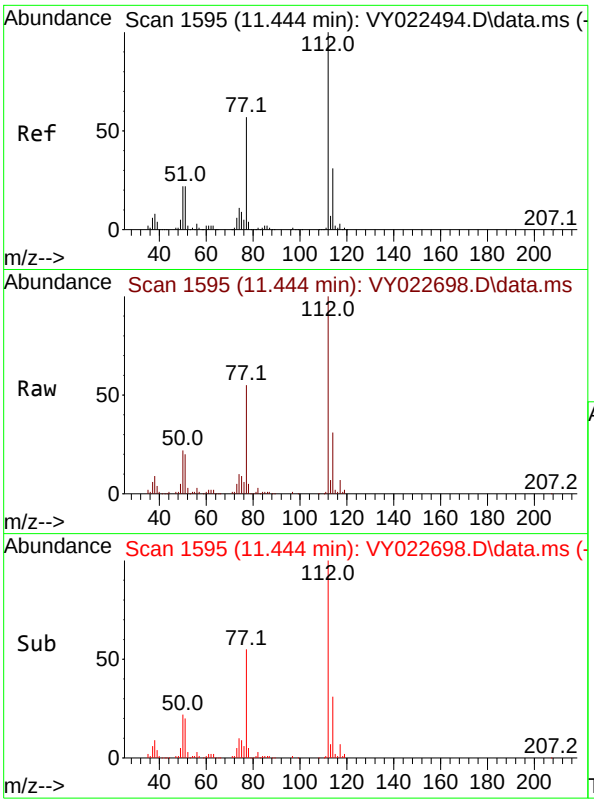


#64
Tetrachloroethene
Concen: 25.208 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:164 Resp: 48965

Ion	Ratio	Lower	Upper
164	100		
166	124.0	104.0	156.0
129	93.0	74.5	111.7
131	87.5	72.3	108.5



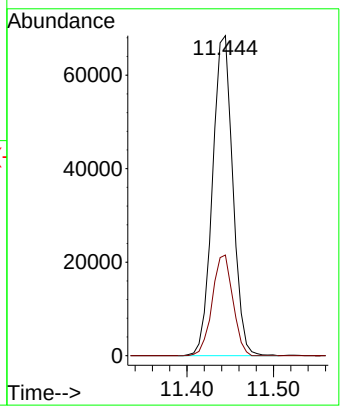


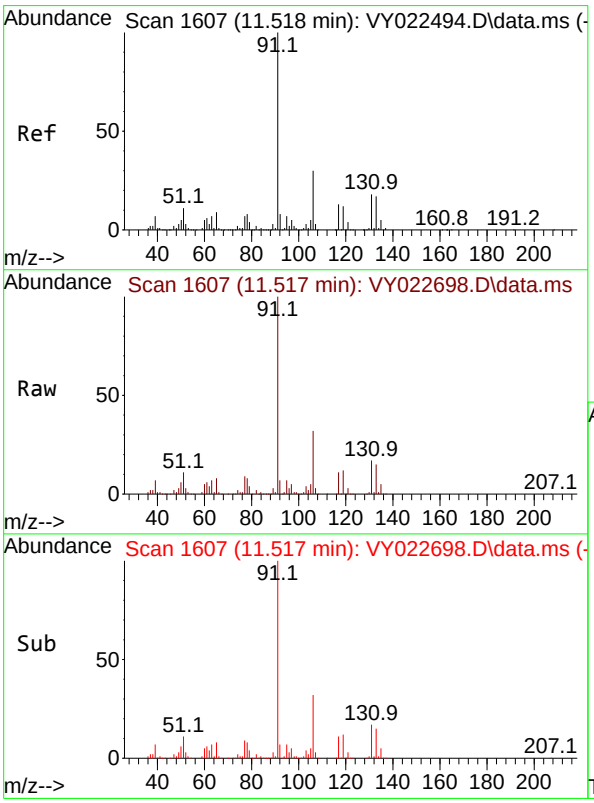
#65
Chlorobenzene
Concen: 22.294 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion:112 Resp: 111400

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.0	37.6

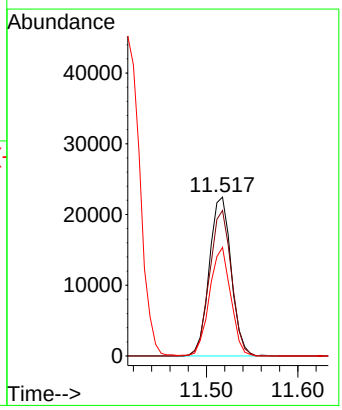


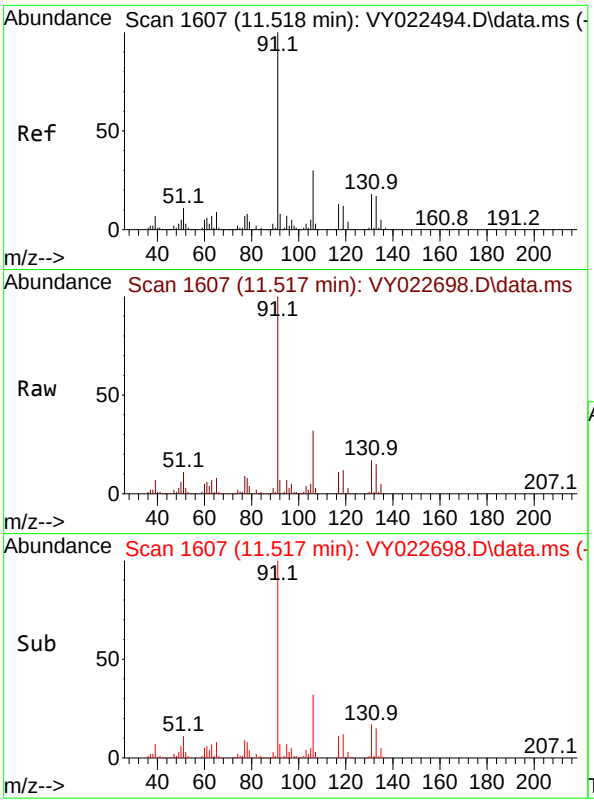


#66
1,1,1,2-Tetrachloroethane
Concen: 22.180 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:131 Resp: 37335

Ion	Ratio	Lower	Upper
131	100		
133	92.0	47.3	141.8
119	66.3	33.1	99.3



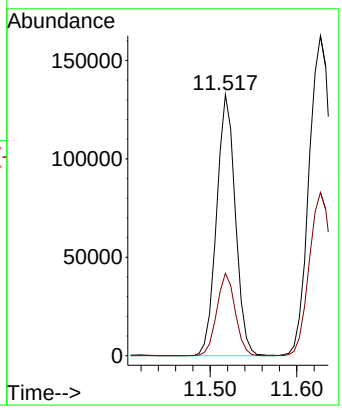


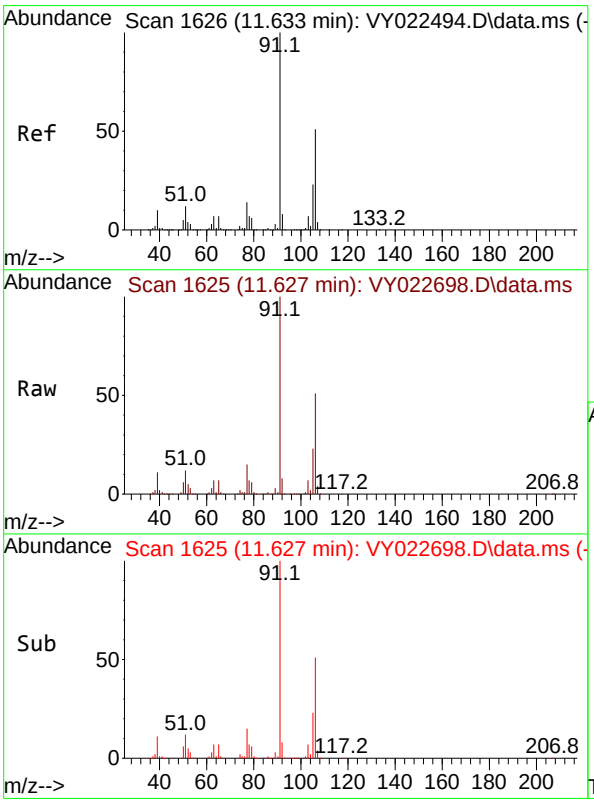
#67
Ethyl Benzene
Concen: 21.495 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 91 Resp: 199212

Ion	Ratio	Lower	Upper
91	100		
106	31.6	24.2	36.4

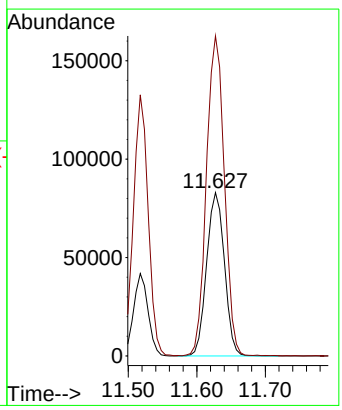


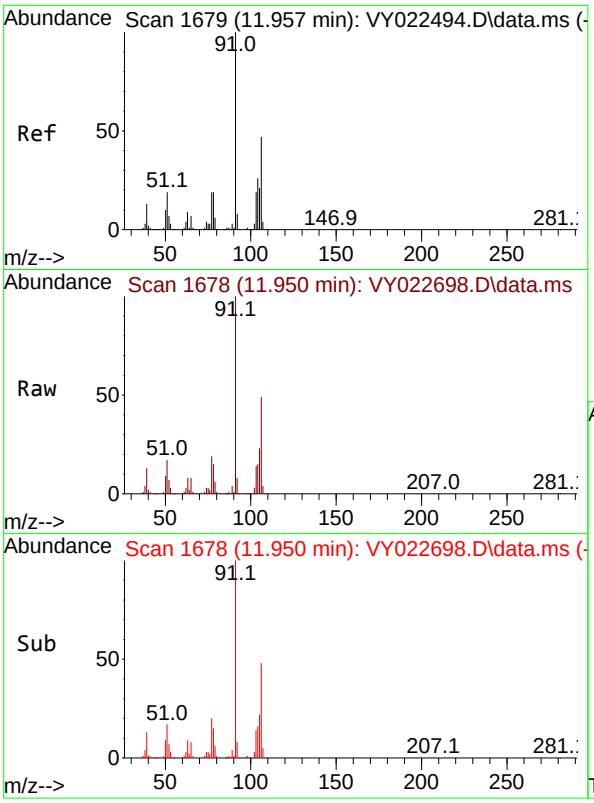


#68
m/p-Xylenes
Concen: 42.651 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:106 Resp: 149850

Ion	Ratio	Lower	Upper
106	100		
91	196.9	159.4	239.0



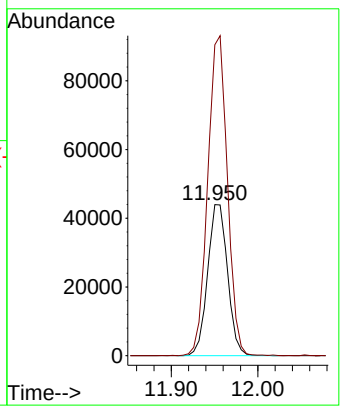


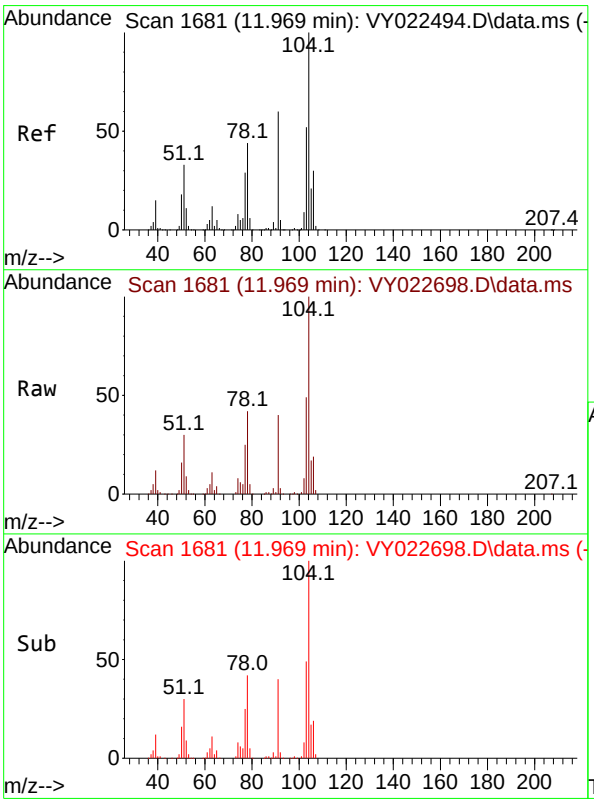
#69
o-Xylene
Concen: 21.293 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion:106 Resp: 70142

Ion	Ratio	Lower	Upper
106	100		
91	209.3	105.8	317.3

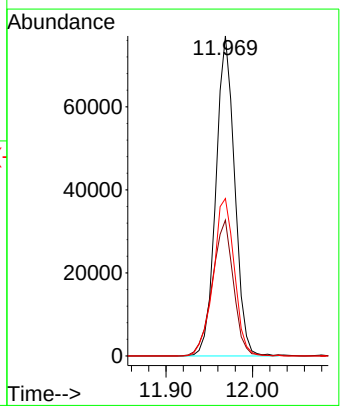


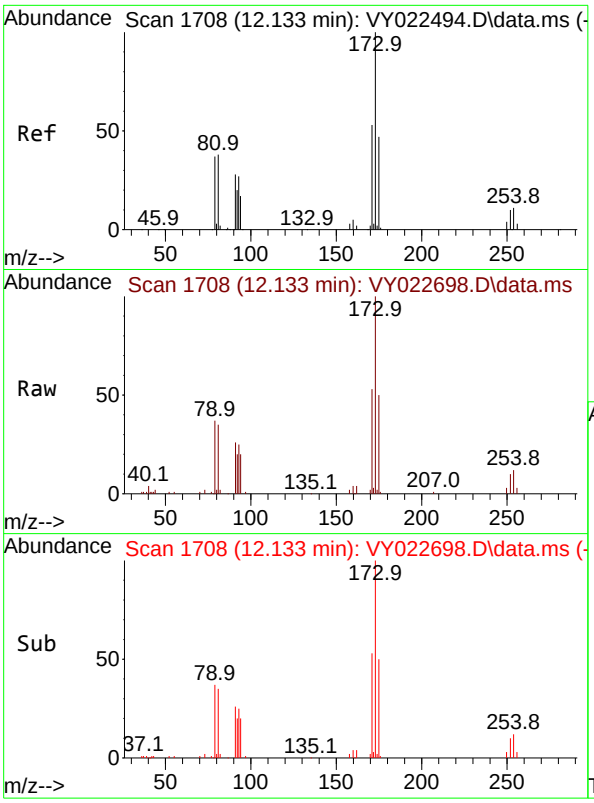


#70
Styrene
Concen: 21.301 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:104 Resp: 115987

Ion	Ratio	Lower	Upper
104	100		
78	47.9	39.5	59.3
103	55.3	44.1	66.1



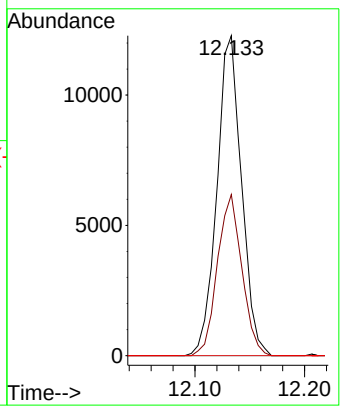


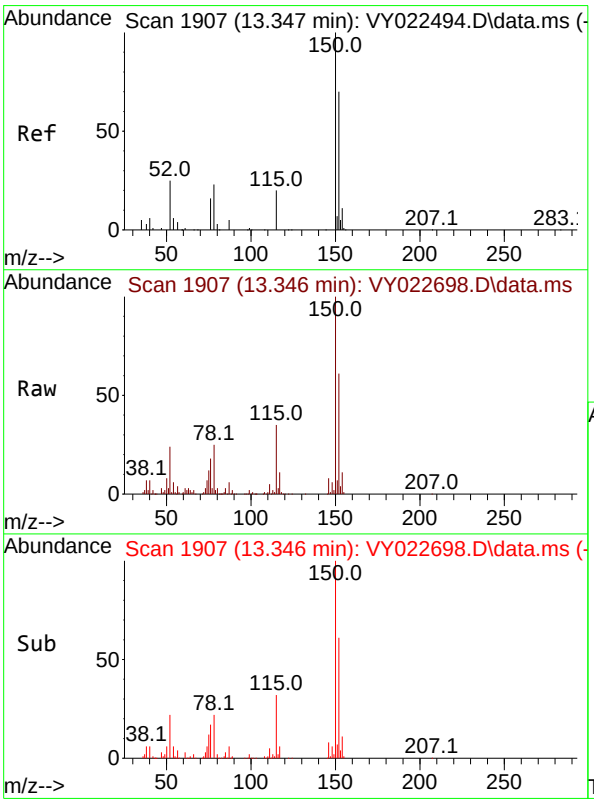
#71
Bromoform
Concen: 21.390 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion:173 Resp: 19160

Ion	Ratio	Lower	Upper
173	100		
175	50.0	23.8	71.5
254	0.0	0.0	0.0

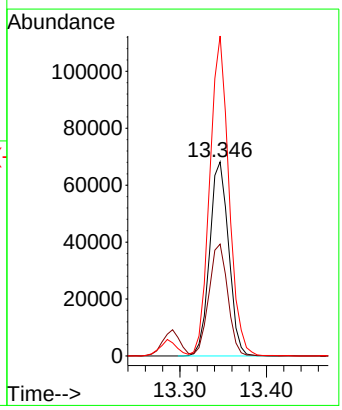


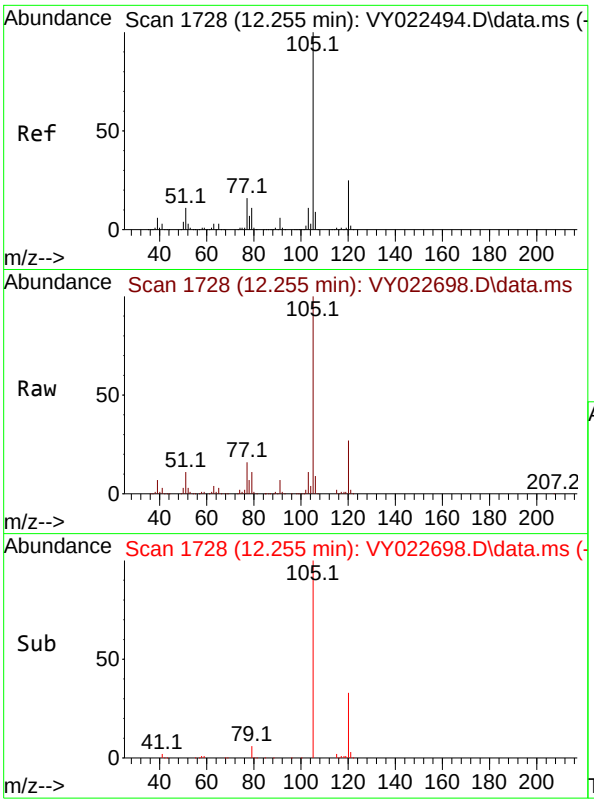


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:152 Resp: 103858

Ion	Ratio	Lower	Upper
152	100		
115	57.2	28.9	86.7
150	166.4	0.0	349.6



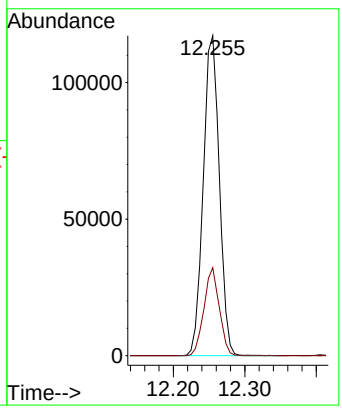


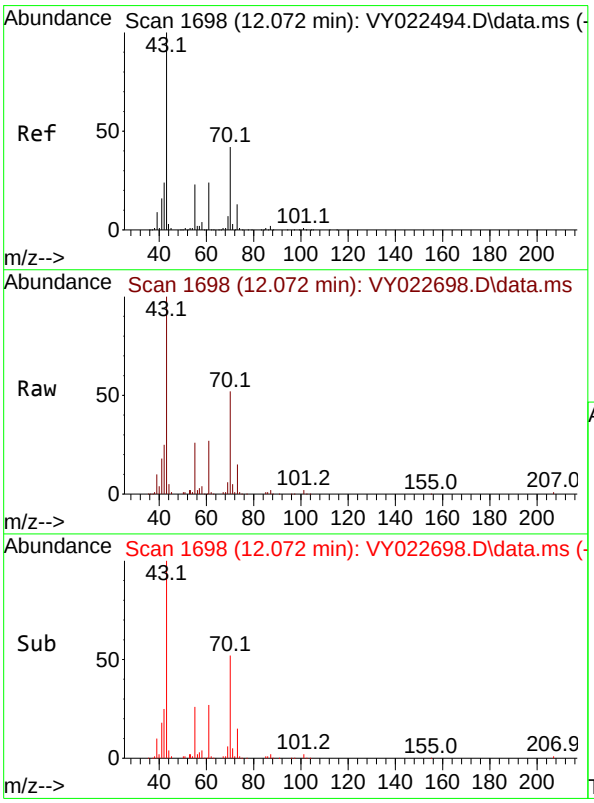
#73
Isopropylbenzene
Concen: 21.442 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion:105 Resp: 182833

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.0	38.9

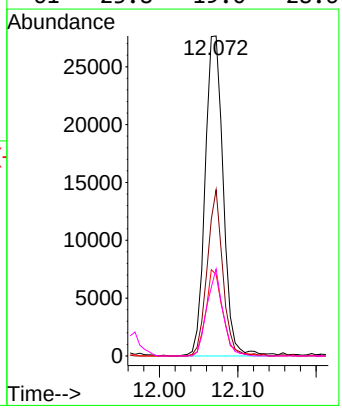


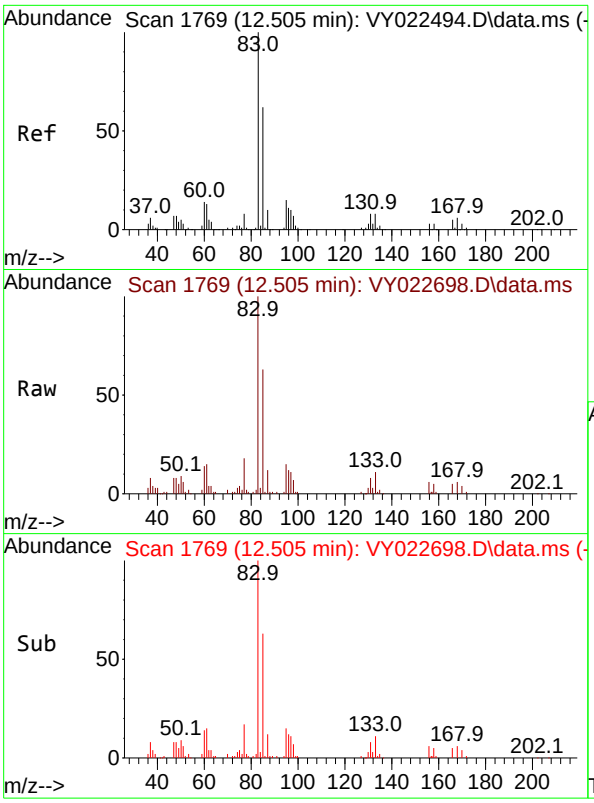


#74
N-amyl acetate
Concen: 20.642 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 43 Resp: 44410

Ion	Ratio	Lower	Upper
43	100		
70	44.4	34.2	51.2
55	25.3	18.2	27.4
61	23.8	19.0	28.6



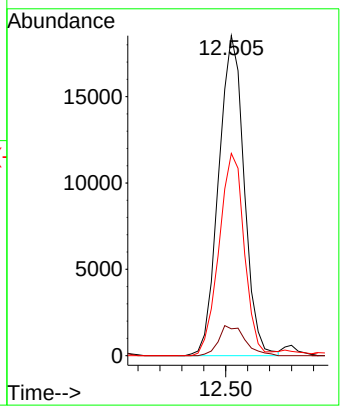


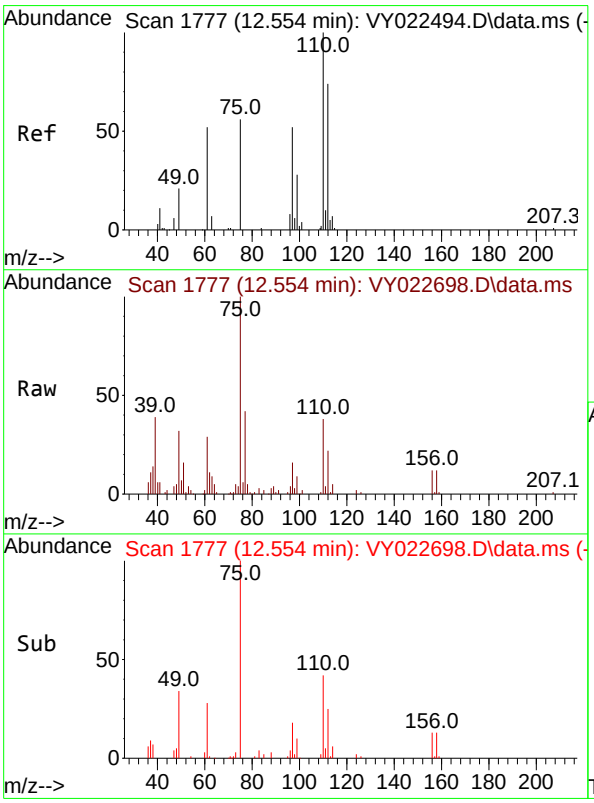
#75
1,1,2,2-Tetrachloroethane
Concen: 21.374 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 83 Resp: 29912

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.9	14.7
85	62.6	32.6	97.8

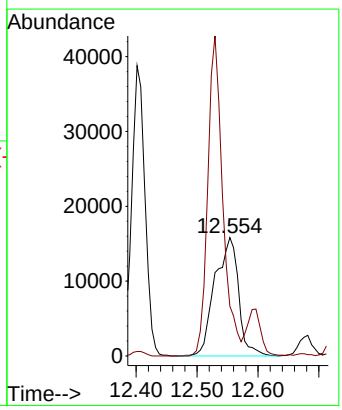


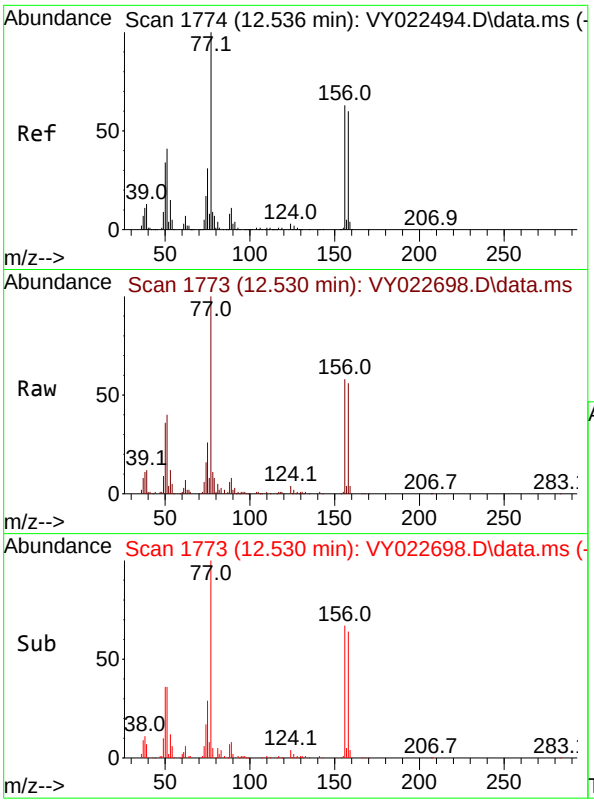


#76
1,2,3-Trichloropropane
Concen: 35.886 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 75 Resp: 42639

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



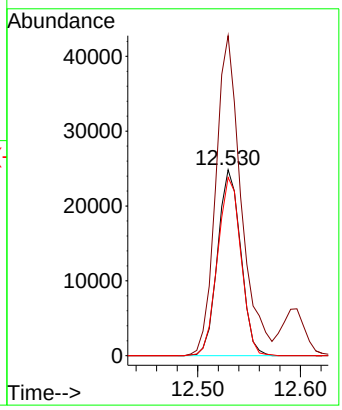


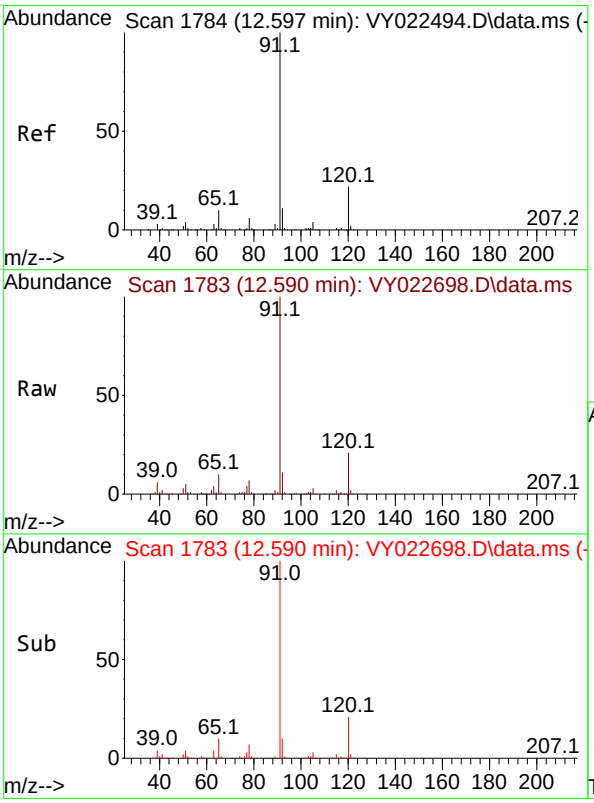
#77
Bromobenzene
Concen: 21.523 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion:156 Resp: 38728

Ion	Ratio	Lower	Upper
156	100		
77	189.4	94.0	282.1
158	97.3	48.2	144.6

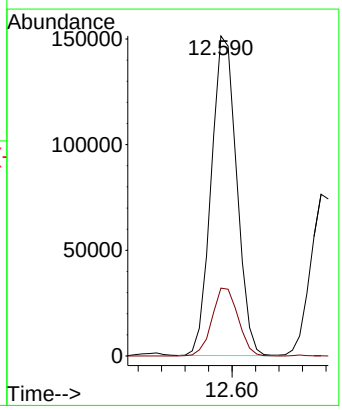


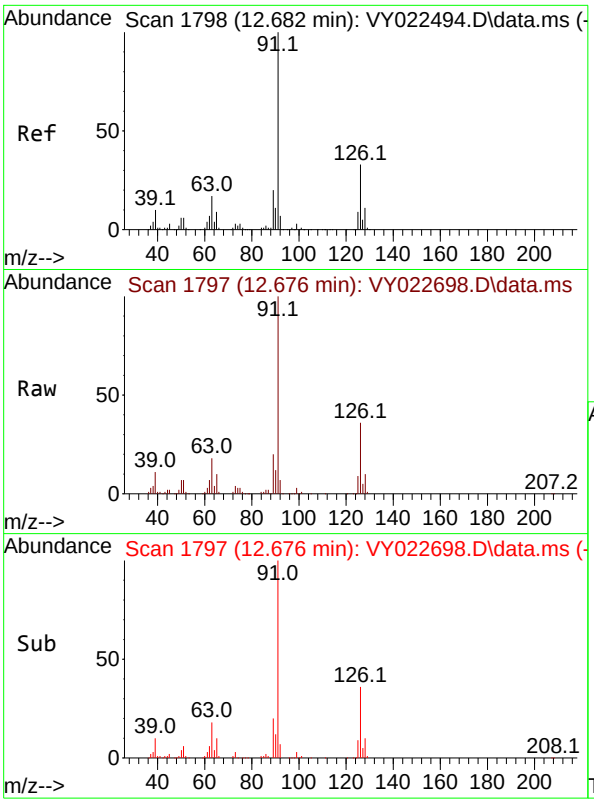


#78
n-propylbenzene
Concen: 21.829 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 91 Resp: 227339

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.8	32.4



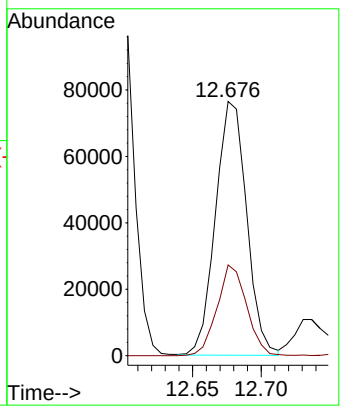


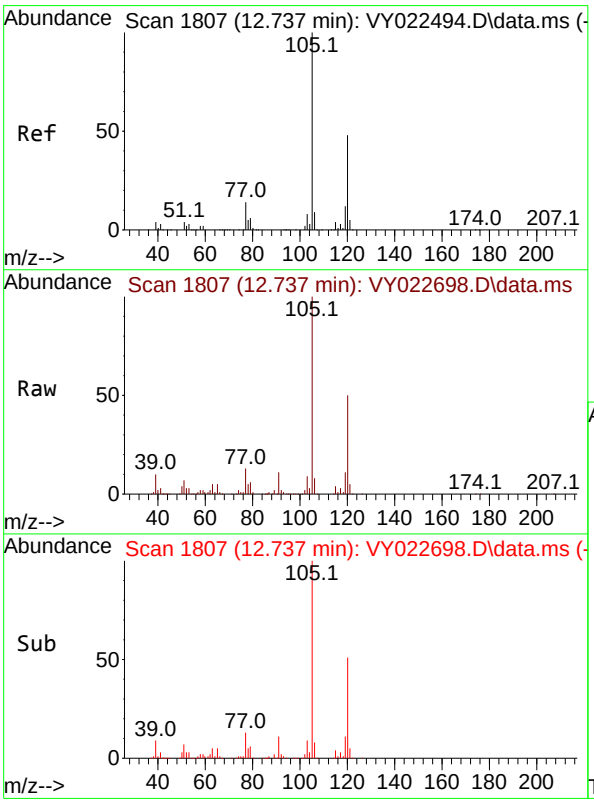
#79
2-Chlorotoluene
Concen: 21.925 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 91 Resp: 121022

Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.0	51.0

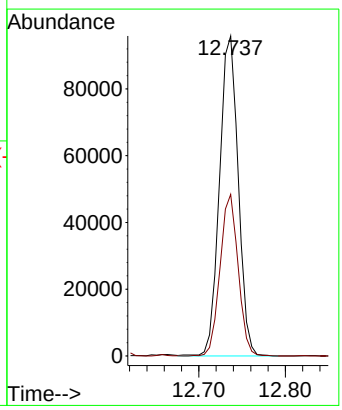


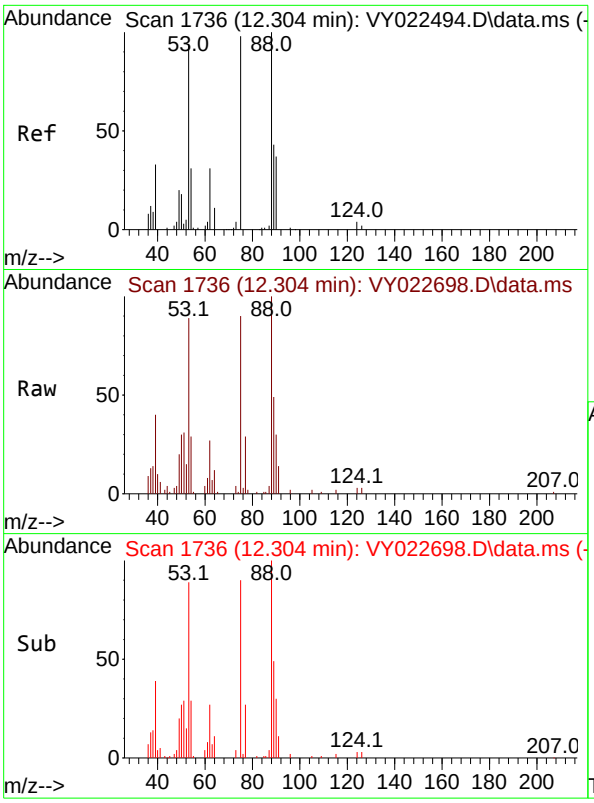


#80
1,3,5-Trimethylbenzene
Concen: 21.460 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:105 Resp: 143657

Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.1	72.4



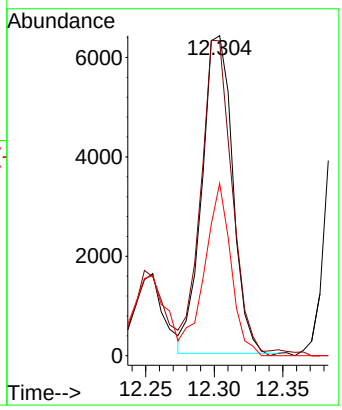


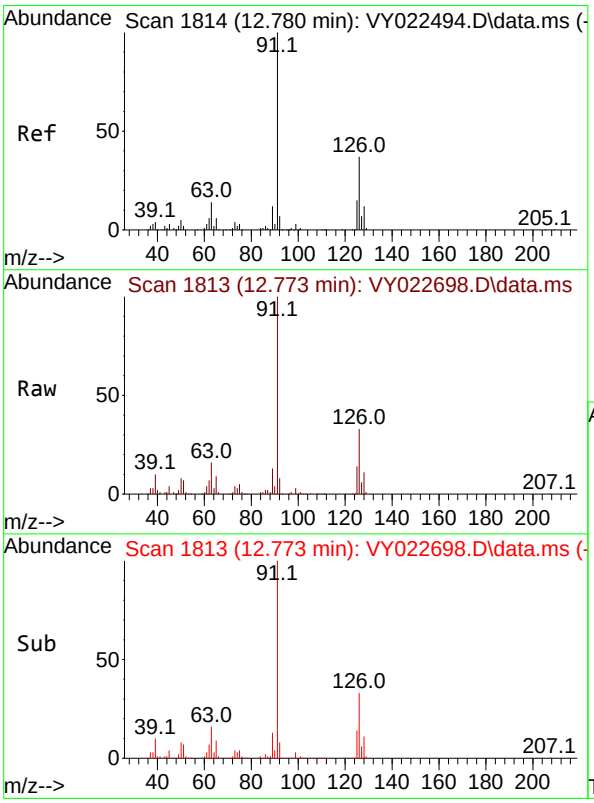
#81
trans-1,4-Dichloro-2-butene
Concen: 20.154 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 75 Resp: 9916

Ion	Ratio	Lower	Upper
75	100		
53	98.3	78.5	117.7
89	47.0	35.7	53.5

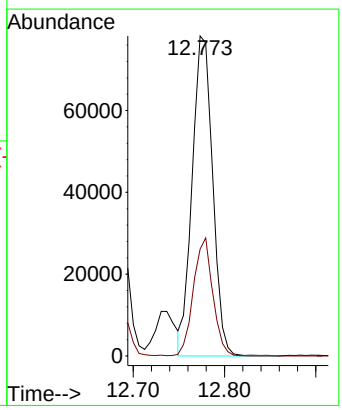


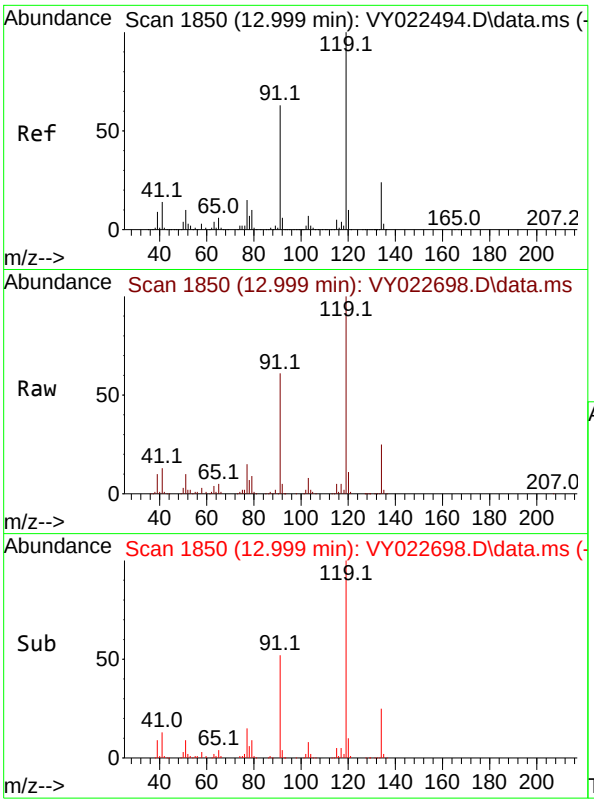


#82
4-Chlorotoluene
Concen: 21.433 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 91 Resp: 122042

Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.0	50.9



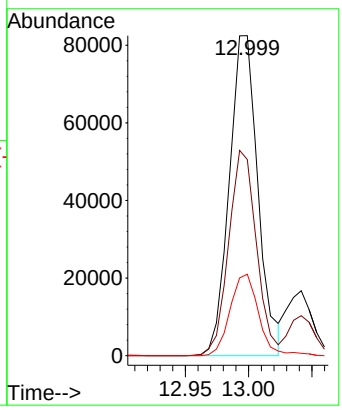


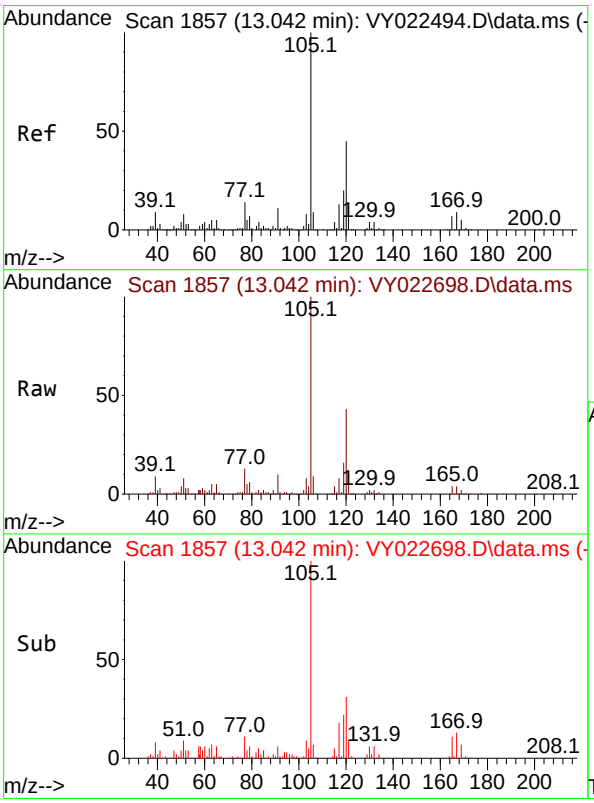
#83
tert-Butylbenzene
Concen: 21.693 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion:119 Resp: 130334

Ion	Ratio	Lower	Upper
119	100		
91	62.2	32.1	96.3
134	25.4	13.0	38.9

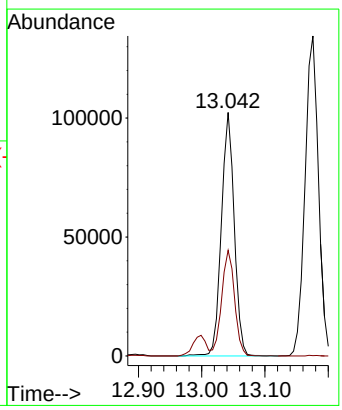


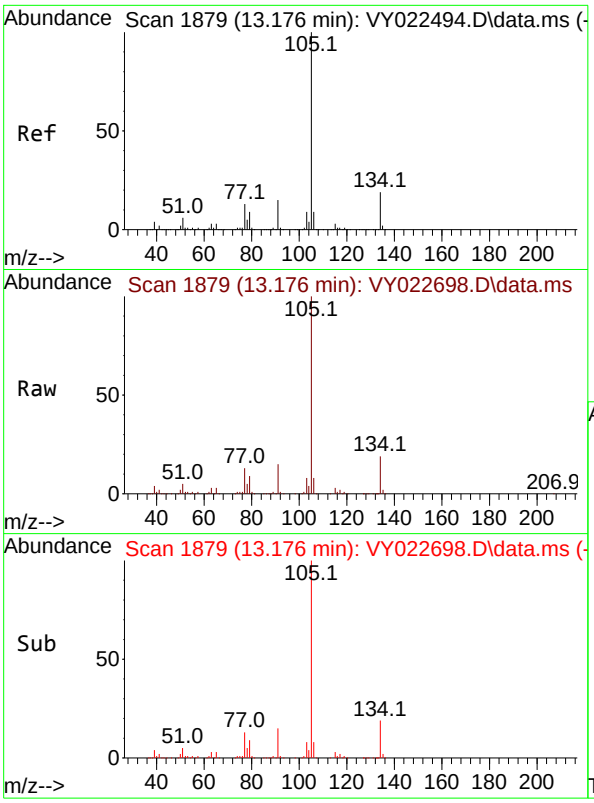


#84
1,2,4-Trimethylbenzene
Concen: 21.517 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:105 Resp: 144066

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.7	68.1



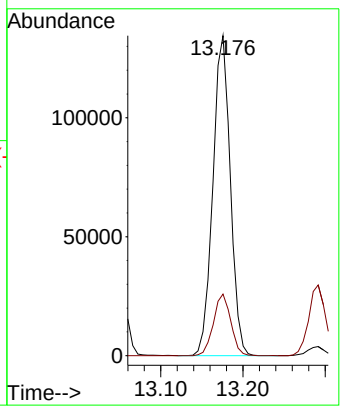


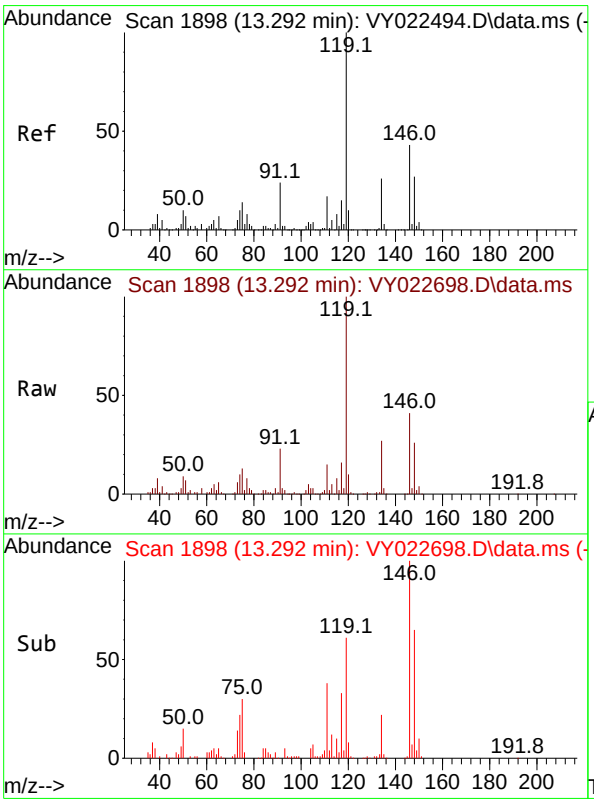
#85
sec-Butylbenzene
Concen: 21.517 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion:105 Resp: 197997

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	28.9

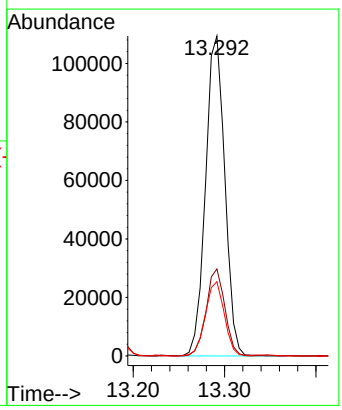


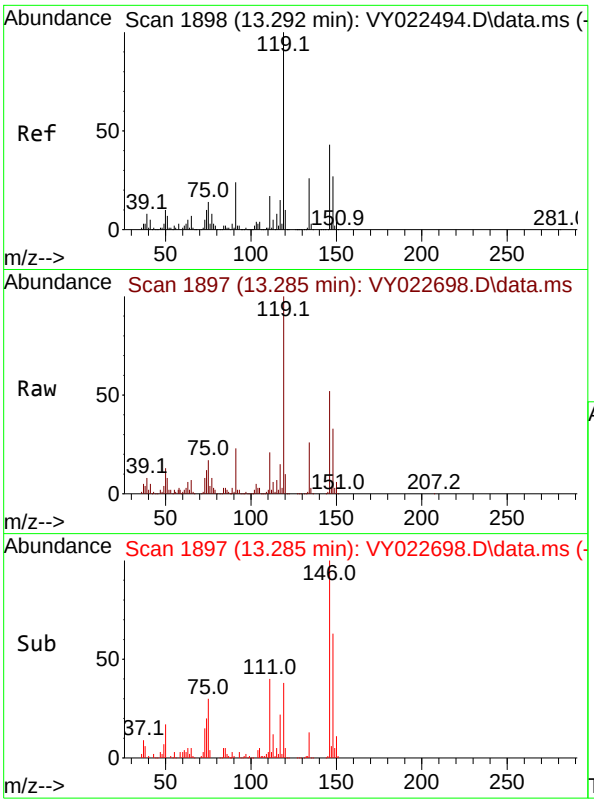


#86
p-Isopropyltoluene
Concen: 21.033 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:119 Resp: 159529

Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.1
91	23.1	11.6	34.8



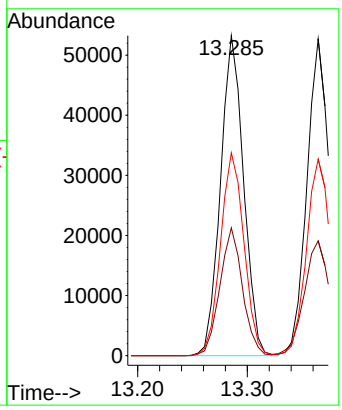


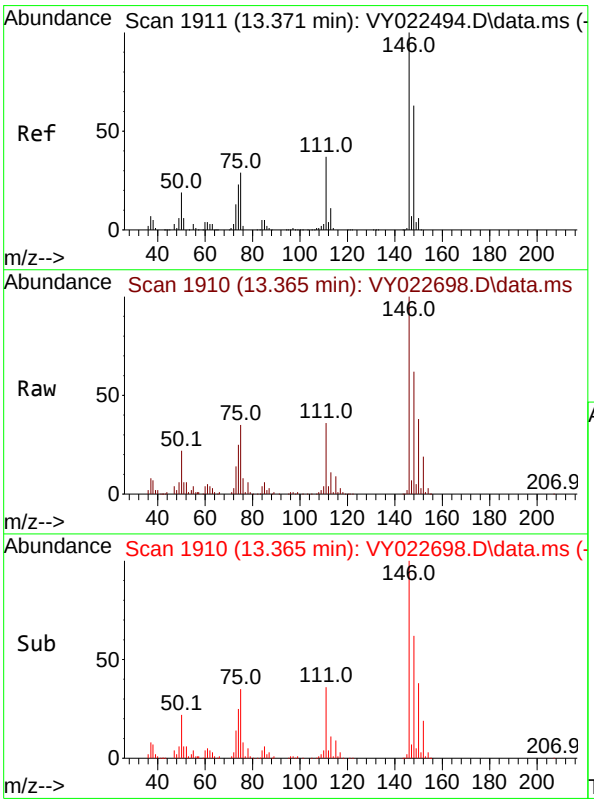
#87
1,3-Dichlorobenzene
Concen: 21.411 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion:146 Resp: 78055

Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.1	60.2
148	64.4	32.1	96.3

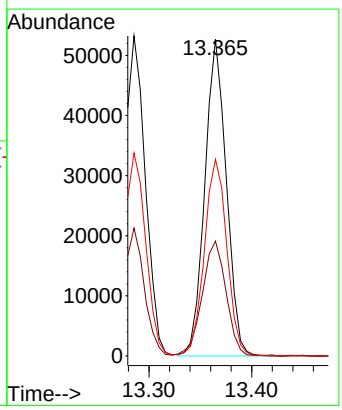


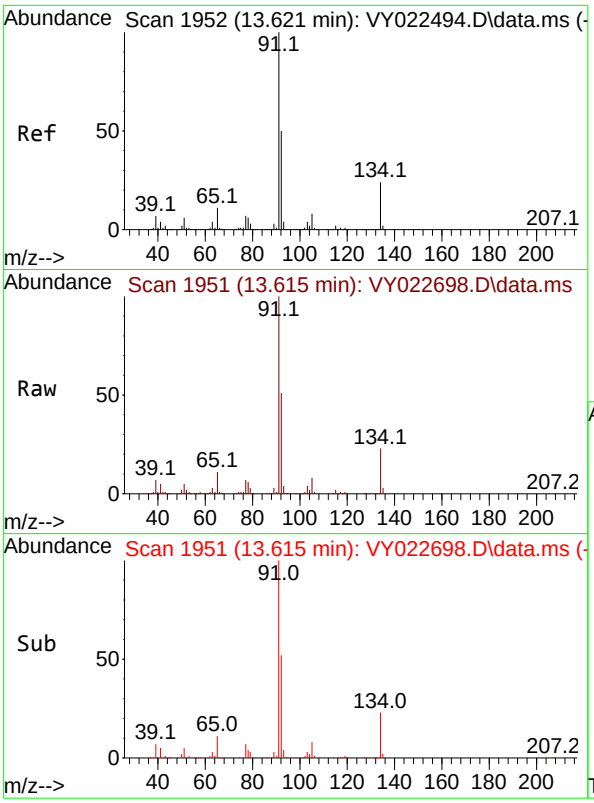


#88
1,4-Dichlorobenzene
Concen: 21.754 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:146 Resp: 76921

Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.4	58.2
148	64.9	31.6	94.8



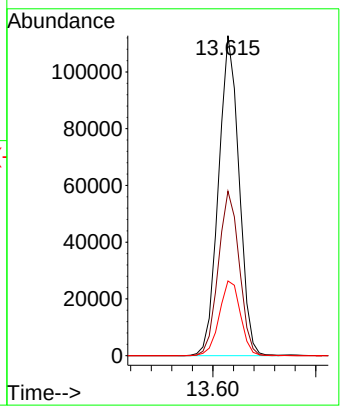


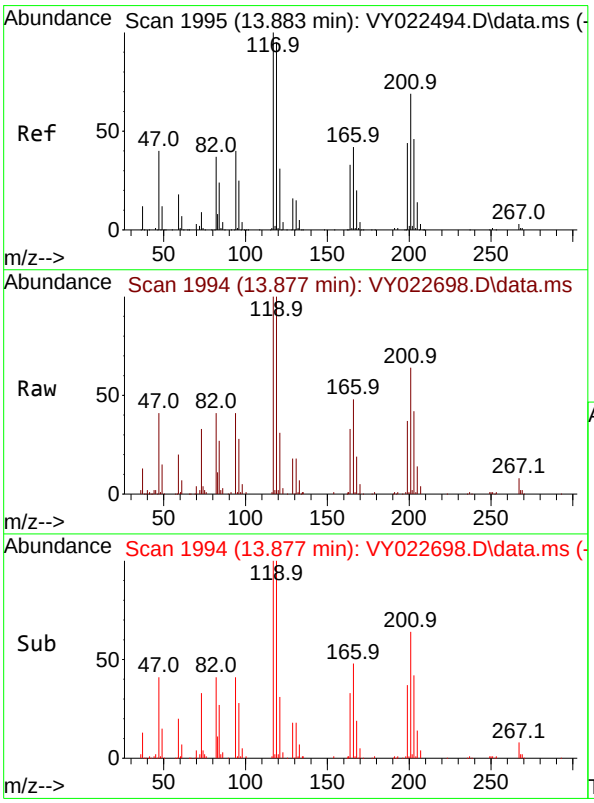
#89
n-Butylbenzene
Concen: 21.719 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion: 91 Resp: 156296

Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.9	77.8
134	24.0	12.0	36.1

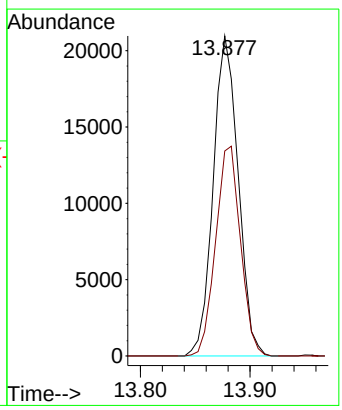


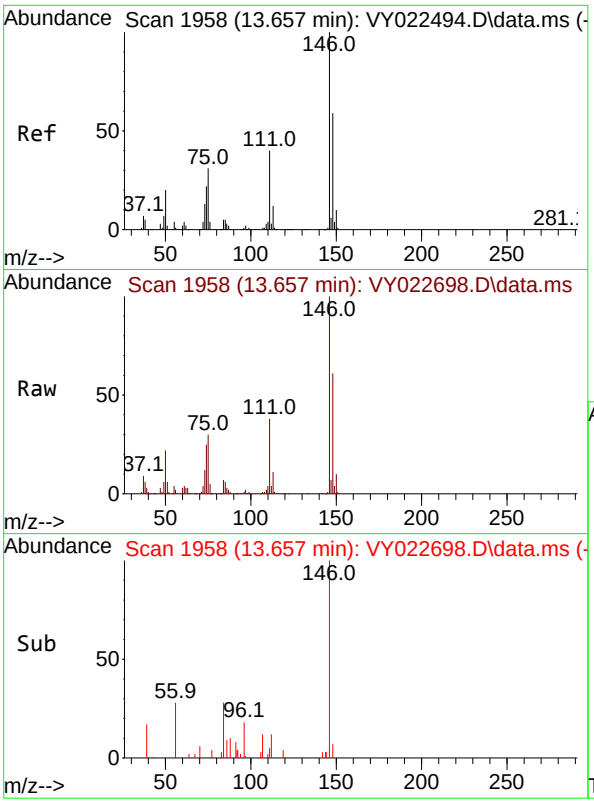


#90
Hexachloroethane
Concen: 22.476 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:117 Resp: 33188

Ion	Ratio	Lower	Upper
117	100		
201	65.2	34.0	102.0



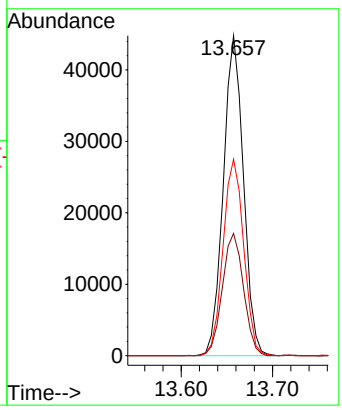


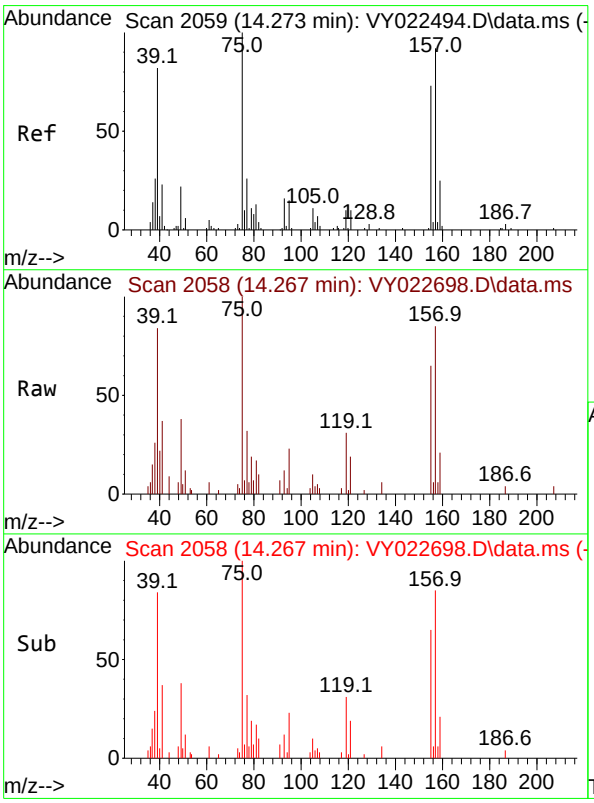
#91
1,2-Dichlorobenzene
Concen: 22.152 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion:146 Resp: 68566

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.2	60.6
148	63.0	31.4	94.0

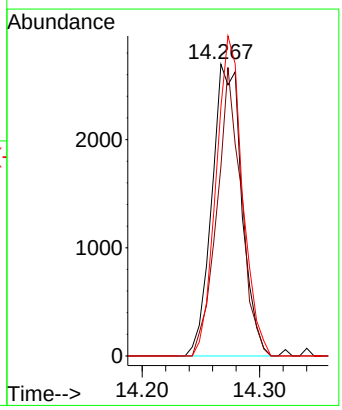


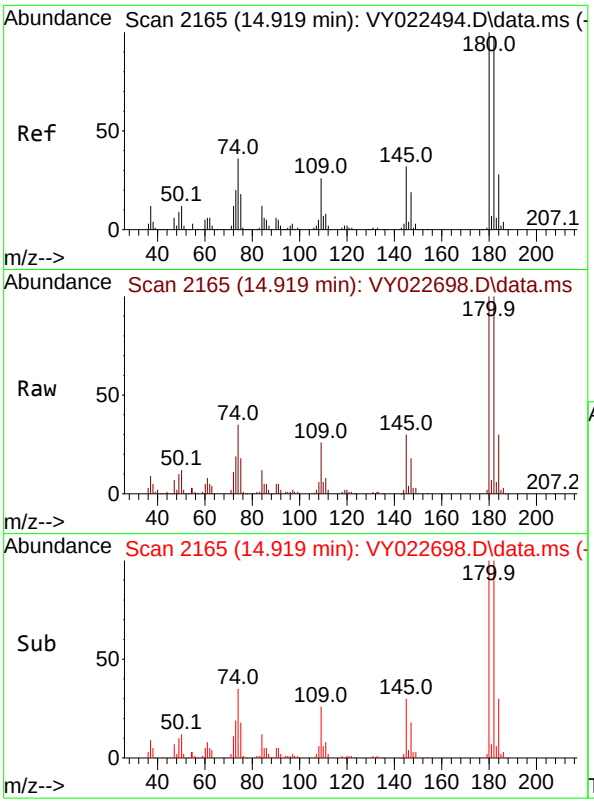


#92
1,2-Dibromo-3-Chloropropane
Concen: 23.322 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion: 75 Resp: 4752

Ion	Ratio	Lower	Upper
75	100		
155	80.3	39.9	119.6
157	97.4	54.0	162.0



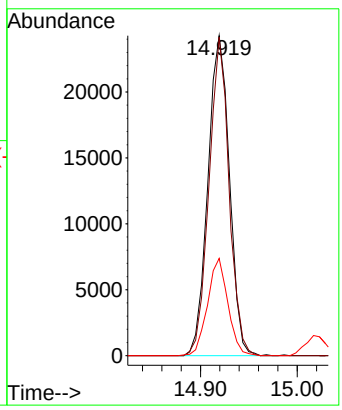


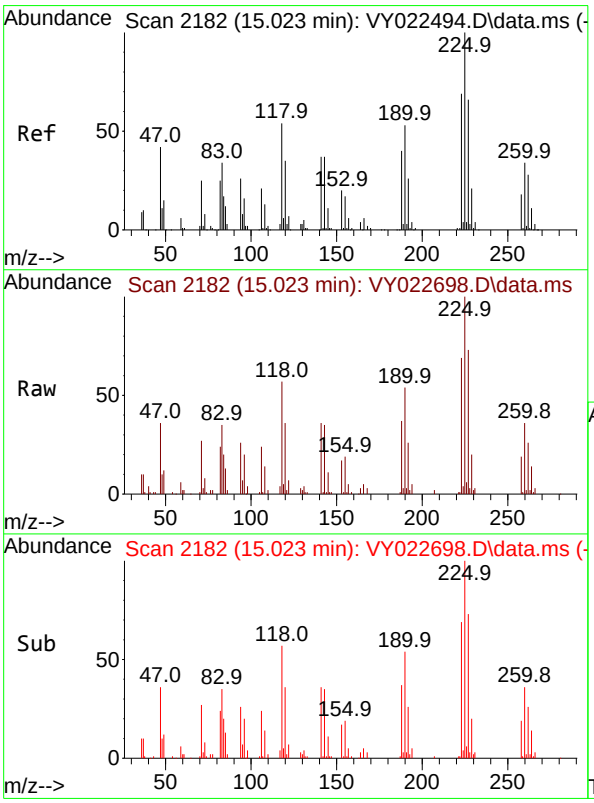
#93
1,2,4-Trichlorobenzene
Concen: 22.226 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion:180 Resp: 37520

Ion	Ratio	Lower	Upper
180	100		
182	92.8	48.4	145.3
145	28.9	15.5	46.5

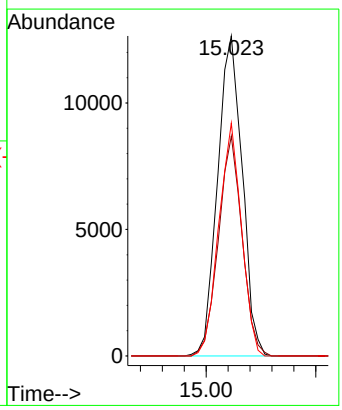


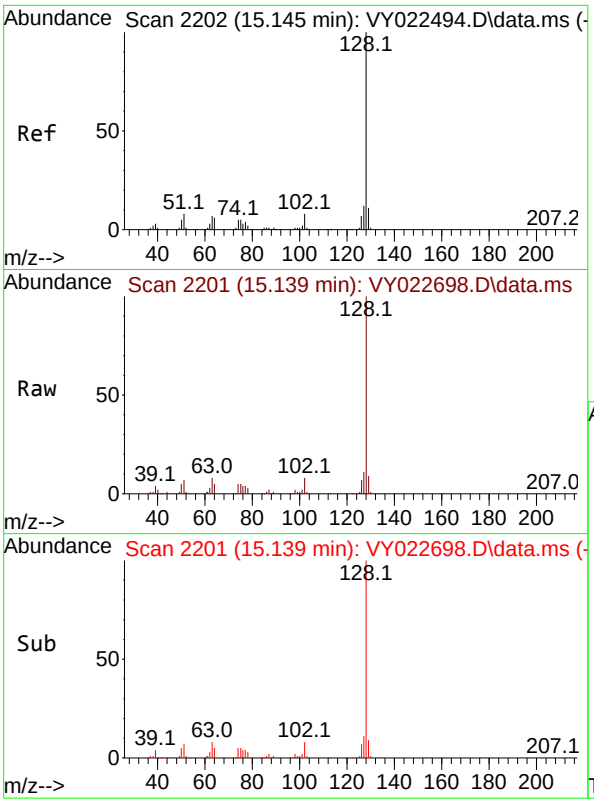


#94
Hexachlorobutadiene
Concen: 21.206 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:225 Resp: 19759

Ion	Ratio	Lower	Upper
225	100		
223	65.6	32.5	97.4
227	67.1	32.3	96.9



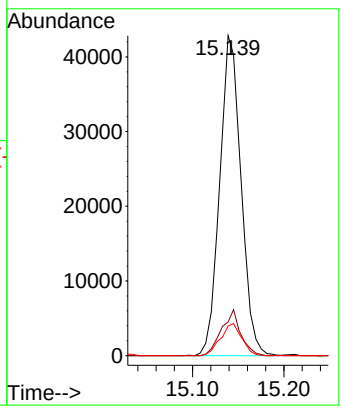


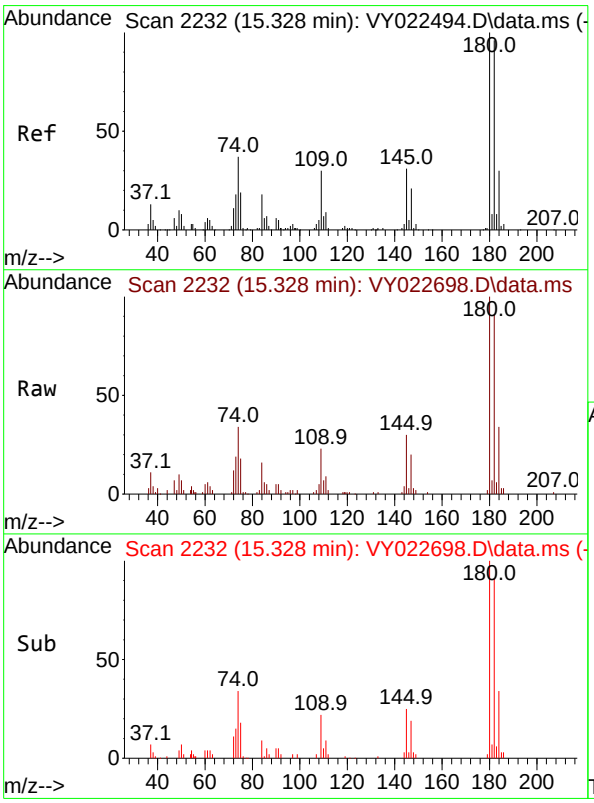
#95
Naphthalene
Concen: 21.469 ug/l
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0616SBSD01

Tgt Ion:128 Resp: 69549

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.0	8.9	13.3

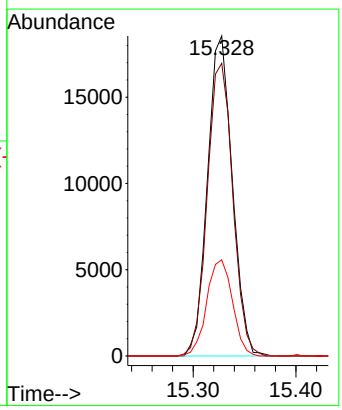




#96
1,2,3-Trichlorobenzene
Concen: 21.486 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022698.D
Acq: 16 Jun 2025 10:34

Tgt Ion:180 Resp: 31085

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.1	141.3
145	31.1	15.2	45.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022710.D
Acq On : 16 Jun 2025 16:55
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Jun 17 05:56:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	137947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	236748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	203484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	98158	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	79891	51.781	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.560%			
35) Dibromofluoromethane	7.640	113	74089	52.430	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.860%			
50) Toluene-d8	10.109	98	295921	51.827	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.660%			
62) 4-Bromofluorobenzene	12.402	95	85060	49.999	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	53360	43.205	ug/l	98
3) Chloromethane	2.068	50	197398	54.102	ug/l	99
4) Vinyl Chloride	2.202	62	242113	57.201	ug/l	99
5) Bromomethane	2.598	94	220975	54.469	ug/l	99
6) Chloroethane	2.733	64	183580	63.190	ug/l	95
7) Trichlorofluoromethane	3.050	101	216199	60.168	ug/l	97
8) Diethyl Ether	3.458	74	42296	52.268	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	74678	49.345	ug/l	99
10) Methyl Iodide	4.007	142	80934	49.418	ug/l	96
11) Tert butyl alcohol	4.891	59	28143	255.390	ug/l #	88
12) 1,1-Dichloroethene	3.793	96	71802	49.635	ug/l	99
13) Acrolein	3.653	56	12062	87.831	ug/l	100
14) Allyl chloride	4.385	41	107347	47.269	ug/l	97
15) Acrylonitrile	5.068	53	90158	263.071	ug/l	99
16) Acetone	3.885	43	77215	246.431	ug/l	100
17) Carbon Disulfide	4.104	76	211760	45.723	ug/l	100
18) Methyl Acetate	4.391	43	49168	52.991	ug/l	95
19) Methyl tert-butyl Ether	5.122	73	211954	52.020	ug/l	99
20) Methylene Chloride	4.610	84	94933	53.338	ug/l	93
21) trans-1,2-Dichloroethene	5.116	96	83360	51.487	ug/l	96
22) Diisopropyl ether	6.025	45	257814	51.002	ug/l	98
23) Vinyl Acetate	5.964	43	746275	249.432	ug/l	100
24) 1,1-Dichloroethane	5.915	63	155258	52.136	ug/l	100
25) 2-Butanone	6.896	43	116552	257.879	ug/l	99
26) 2,2-Dichloropropane	6.890	77	130505	49.599	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	99882	53.374	ug/l	99
28) Bromochloromethane	7.244	49	69854	53.812	ug/l	98
29) Tetrahydrofuran	7.274	42	73976	253.774	ug/l	98
30) Chloroform	7.427	83	161650	54.803	ug/l	96
31) Cyclohexane	7.701	56	129044	43.527	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	138210	52.784	ug/l	99
36) 1,1-Dichloropropene	7.841	75	114209	49.798	ug/l	99
37) Ethyl Acetate	6.988	43	53594	52.401	ug/l	99
38) Carbon Tetrachloride	7.823	117	118602	50.410	ug/l	94
39) Methylcyclohexane	9.109	83	142791	46.329	ug/l	97
40) Benzene	8.085	78	353278	52.152	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022710.D
Acq On : 16 Jun 2025 16:55
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Jun 17 05:56:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	27605	46.208	ug/l		92
42) 1,2-Dichloroethane	8.158	62	97435	52.679	ug/l		98
43) Isopropyl Acetate	8.201	43	110618	50.078	ug/l	#	87
44) Trichloroethene	8.866	130	88158	53.249	ug/l		96
45) 1,2-Dichloropropane	9.146	63	84424	52.735	ug/l		97
46) Dibromomethane	9.231	93	48571	53.929	ug/l		98
47) Bromodichloromethane	9.426	83	125778	55.076	ug/l		96
48) Methyl methacrylate	9.225	41	47599	45.914	ug/l		88
49) 1,4-Dioxane	9.238	88	10690	1001.869	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.000	43	290539	263.816	ug/l		97
52) Toluene	10.170	92	220323	51.756	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	112095	52.386	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	129022	51.799	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	60981	53.099	ug/l		96
56) Ethyl methacrylate	10.438	69	88101	53.077	ug/l		98
57) 1,3-Dichloropropane	10.719	76	107943	53.030	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	224931	298.467	ug/l		99
59) 2-Hexanone	10.762	43	189682	257.533	ug/l		99
60) Dibromochloromethane	10.908	129	76892	52.685	ug/l		100
61) 1,2-Dibromoethane	11.018	107	56609	54.081	ug/l		95
64) Tetrachloroethene	10.646	164	105891	60.495	ug/l		98
65) Chlorobenzene	11.444	112	235204	52.235	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	79045	52.110	ug/l		98
67) Ethyl Benzene	11.518	91	431523	51.668	ug/l		100
68) m/p-Xylenes	11.627	106	330599	104.419	ug/l		98
69) o-Xylene	11.957	106	153726	51.787	ug/l		99
70) Styrene	11.969	104	257498	52.478	ug/l		99
71) Bromoform	12.133	173	42419	52.550	ug/l	#	100
73) Isopropylbenzene	12.255	105	399654	49.592	ug/l		100
74) N-amyl acetate	12.072	43	101040	49.690	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	63203	47.785	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	93499	83.261	ug/l	#	100
77) Bromobenzene	12.530	156	86412	50.813	ug/l		99
78) n-propylbenzene	12.591	91	485449	49.320	ug/l		100
79) 2-Chlorotoluene	12.676	91	257235	49.309	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	313586	49.564	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	21628	46.511	ug/l		98
82) 4-Chlorotoluene	12.773	91	268269	49.849	ug/l		97
83) tert-Butylbenzene	12.999	119	280929	49.473	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	311927	49.294	ug/l		99
85) sec-Butylbenzene	13.176	105	428513	49.273	ug/l		100
86) p-Isopropyltoluene	13.292	119	353631	49.331	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	176700	51.283	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	167976	50.264	ug/l		99
89) n-Butylbenzene	13.615	91	335470	49.325	ug/l		99
90) Hexachloroethane	13.877	117	70503	50.519	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	149774	51.198	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10404	54.027	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	81823	51.284	ug/l		96
94) Hexachlorobutadiene	15.023	225	44418	50.440	ug/l		96
95) Naphthalene	15.145	128	157488	51.437	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	69177	50.592	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022710.D
Acq On : 16 Jun 2025 16:55
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Jun 17 05:56:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

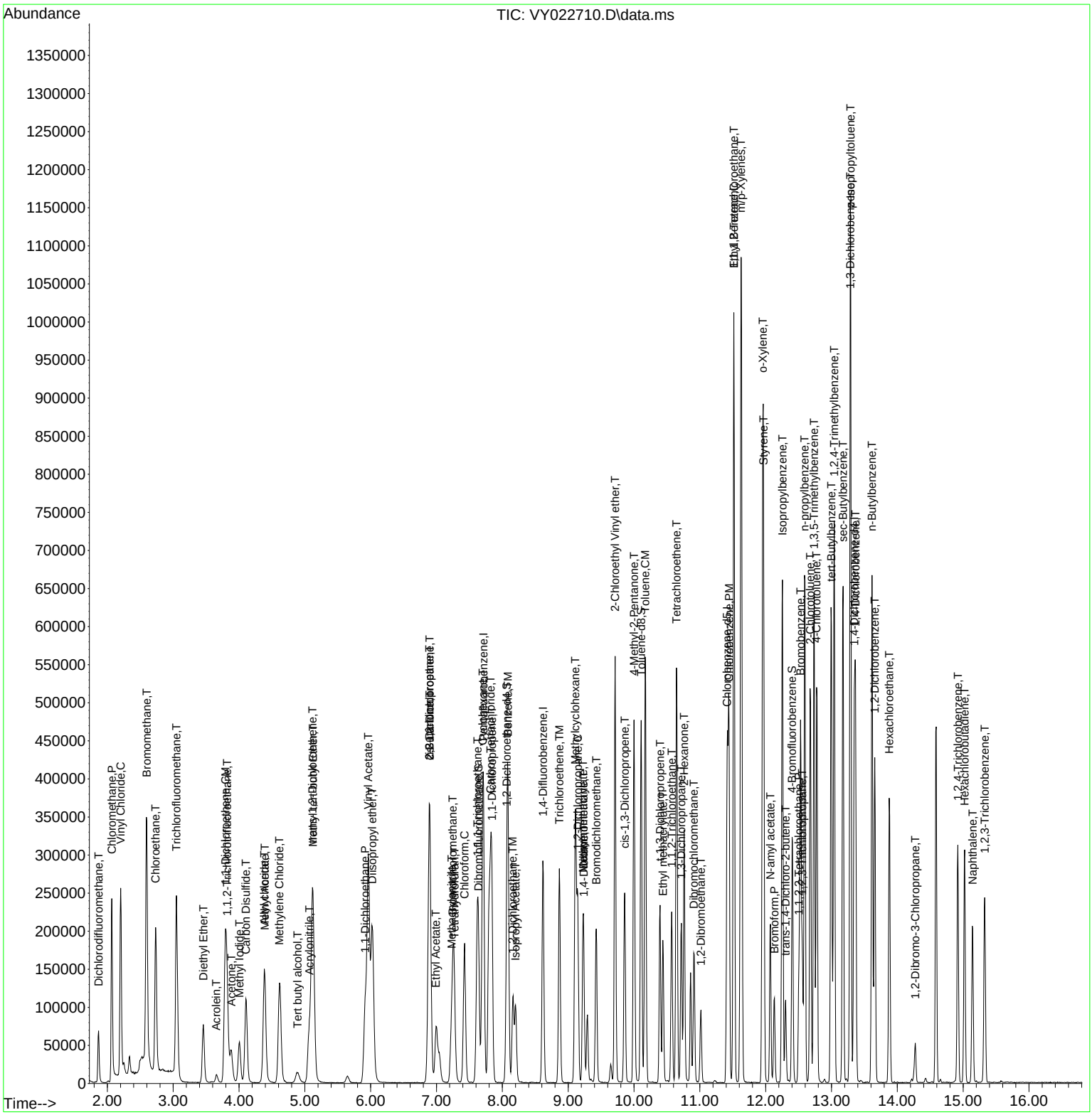
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

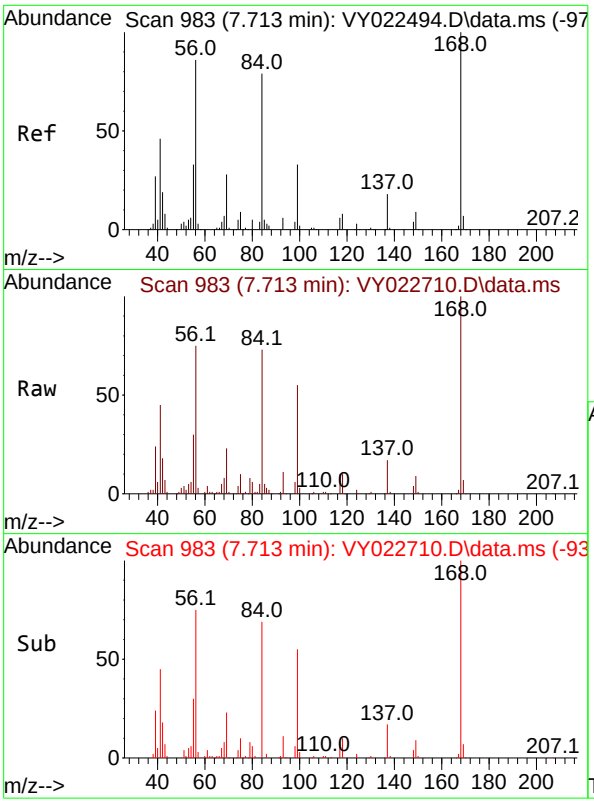
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022710.D
Acq On : 16 Jun 2025 16:55
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Jun 17 05:56:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration



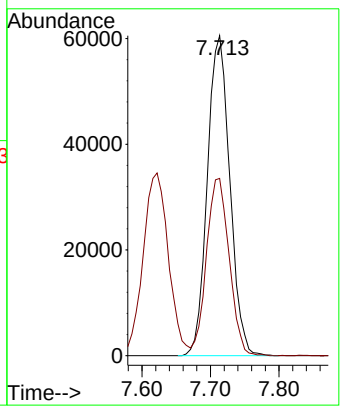


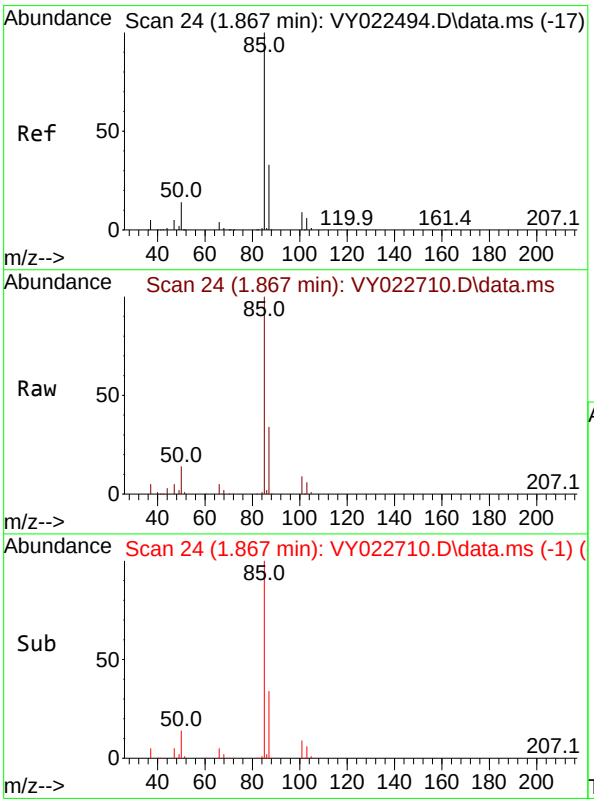
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 137947

Ion	Ratio	Lower	Upper
168	100		
99	55.4	44.3	66.5

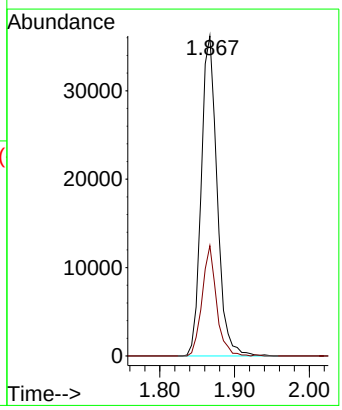


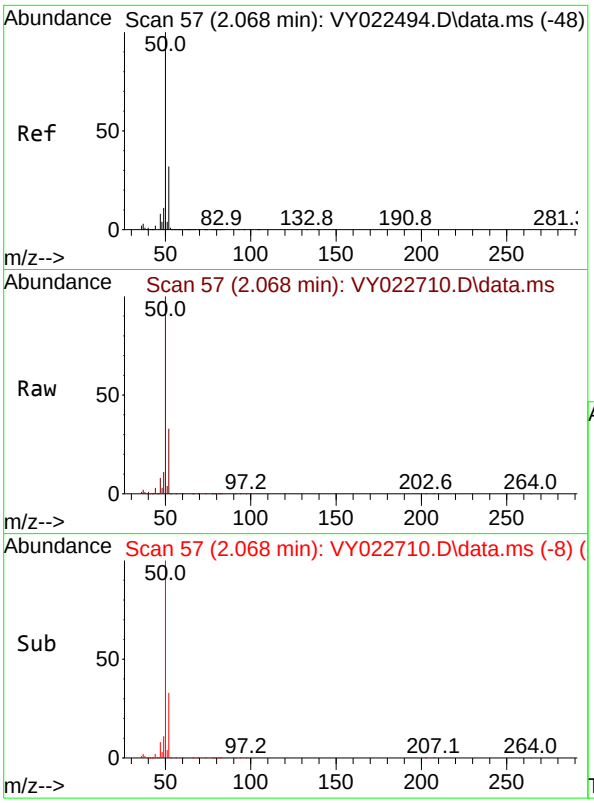


#2
Dichlorodifluoromethane
Concen: 43.205 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 85 Resp: 53360

Ion	Ratio	Lower	Upper
85	100		
87	34.4	16.7	50.0



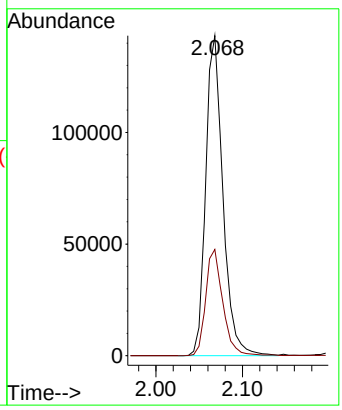


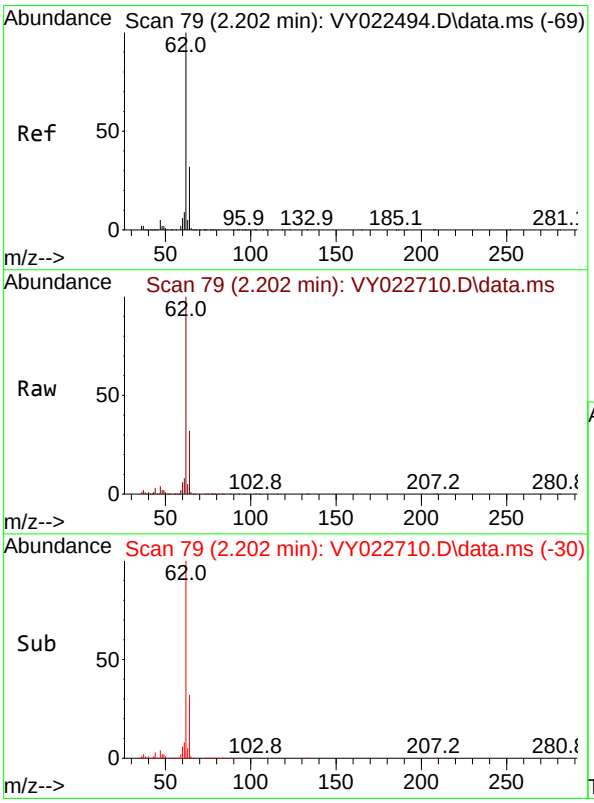
#3
Chloromethane
Concen: 54.102 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 197398

Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.0	39.0

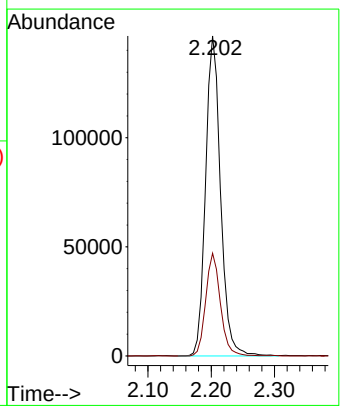


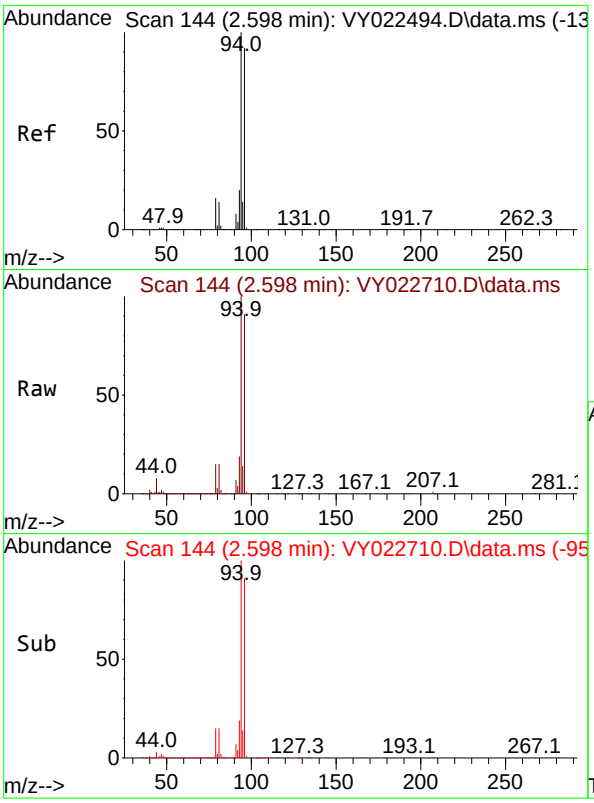


#4
Vinyl Chloride
Concen: 57.201 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 62 Resp: 242113

Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.3	37.9



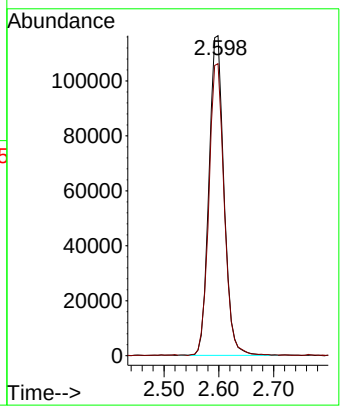


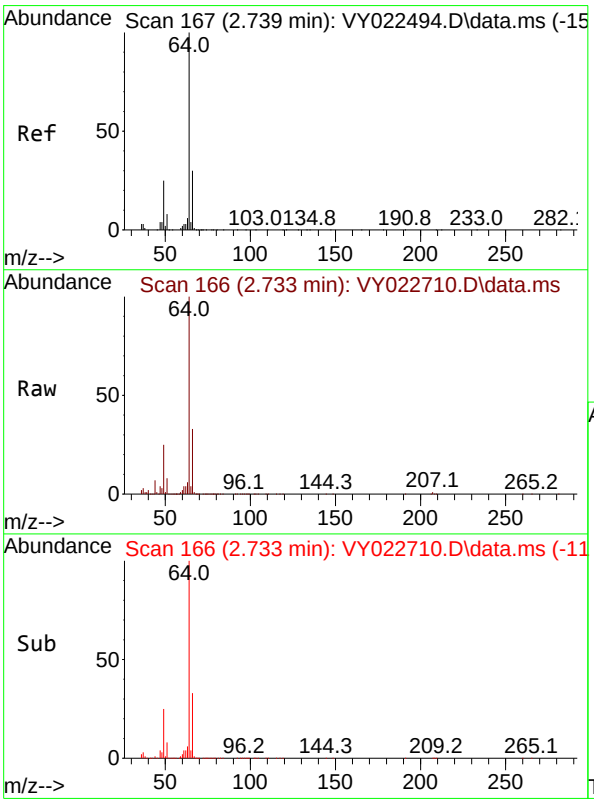
#5
Bromomethane
Concen: 54.469 ug/l
RT: 2.598 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 220975

Ion	Ratio	Lower	Upper
94	100		
96	91.2	74.0	111.0

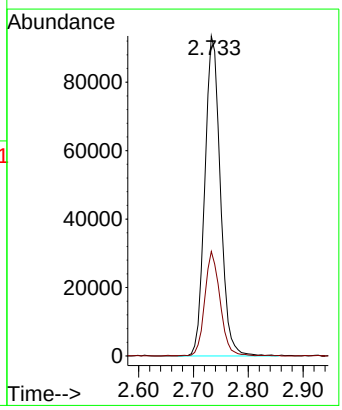


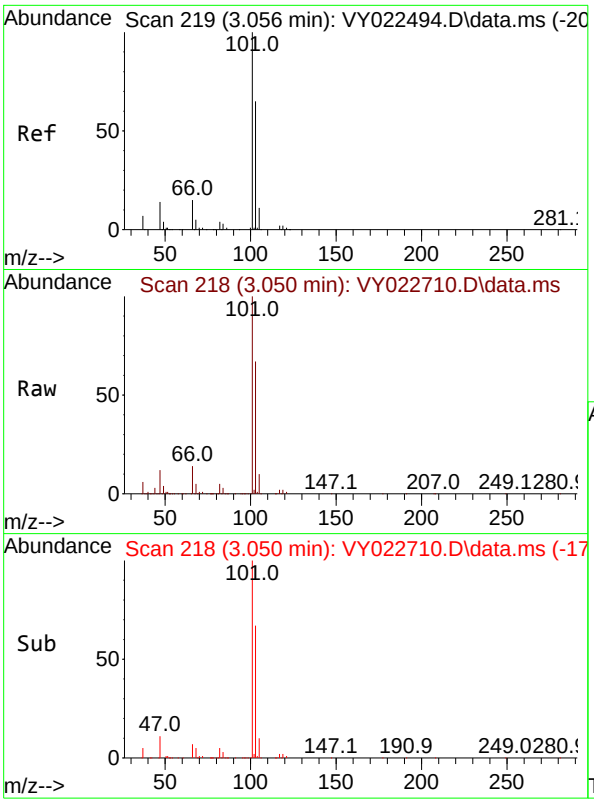


#6
Chloroethane
Concen: 63.190 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 64 Resp: 183580

Ion	Ratio	Lower	Upper
64	100		
66	32.5	23.8	35.6



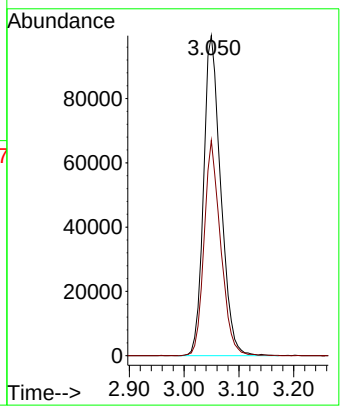


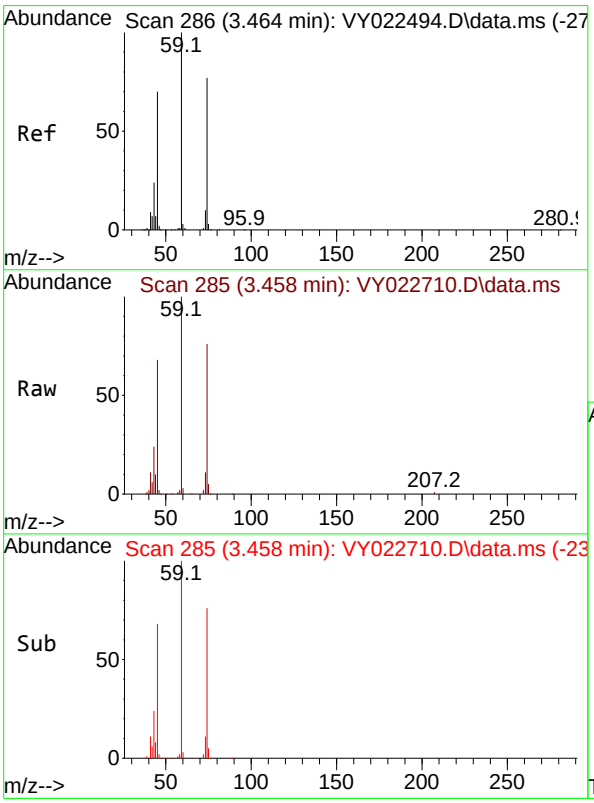
#7
Trichlorofluoromethane
Concen: 60.168 ug/l
RT: 3.050 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 216199

Ion	Ratio	Lower	Upper
101	100		
103	67.3	52.2	78.2

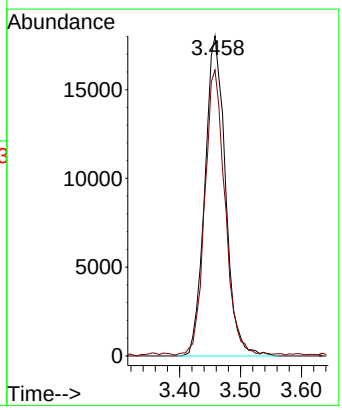


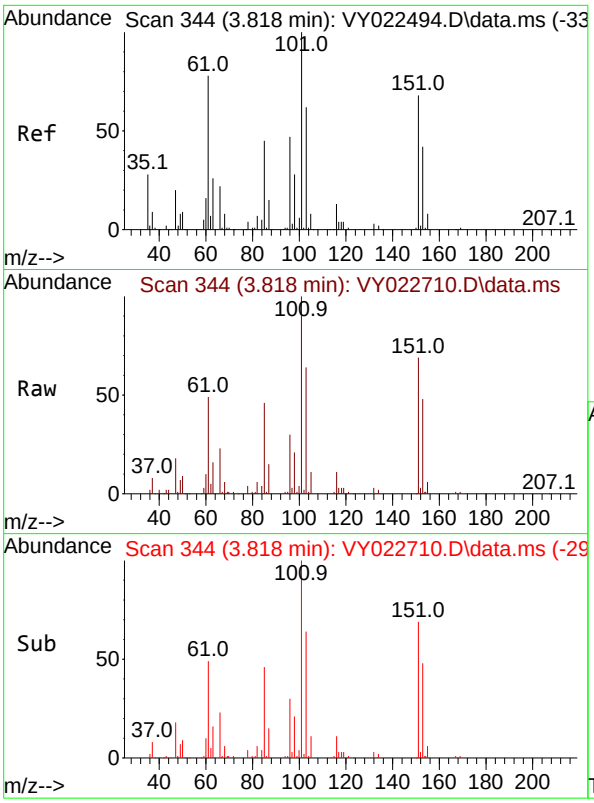


#8
Diethyl Ether
Concen: 52.268 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 74 Resp: 42296

Ion	Ratio	Lower	Upper
74	100		
45	87.3	45.9	137.6



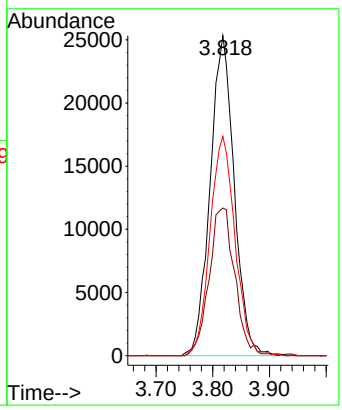


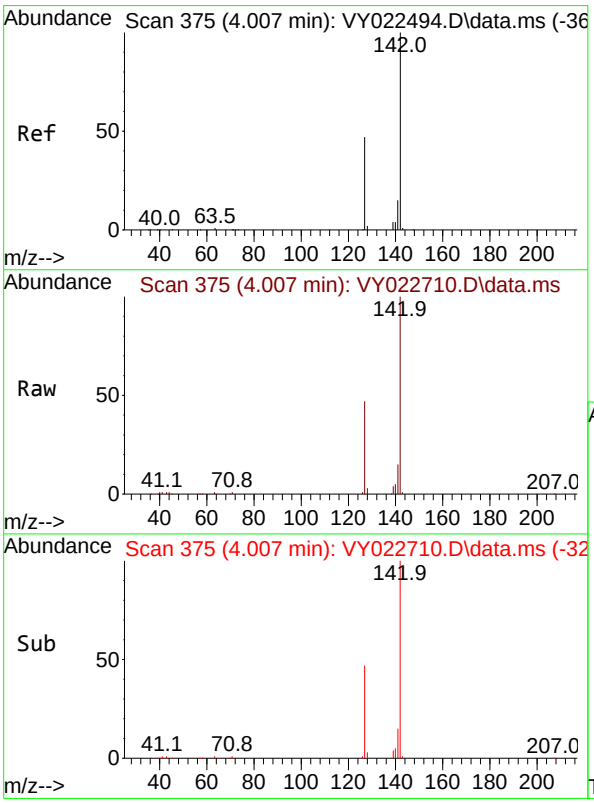
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.345 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 74678

Ion	Ratio	Lower	Upper
101	100		
85	49.2	39.3	58.9
151	71.4	57.8	86.8

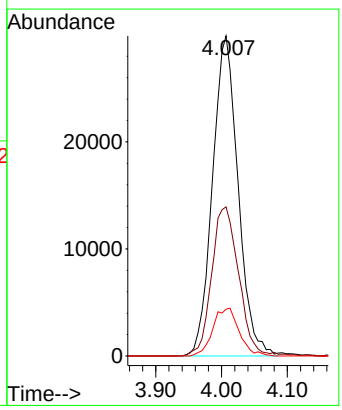


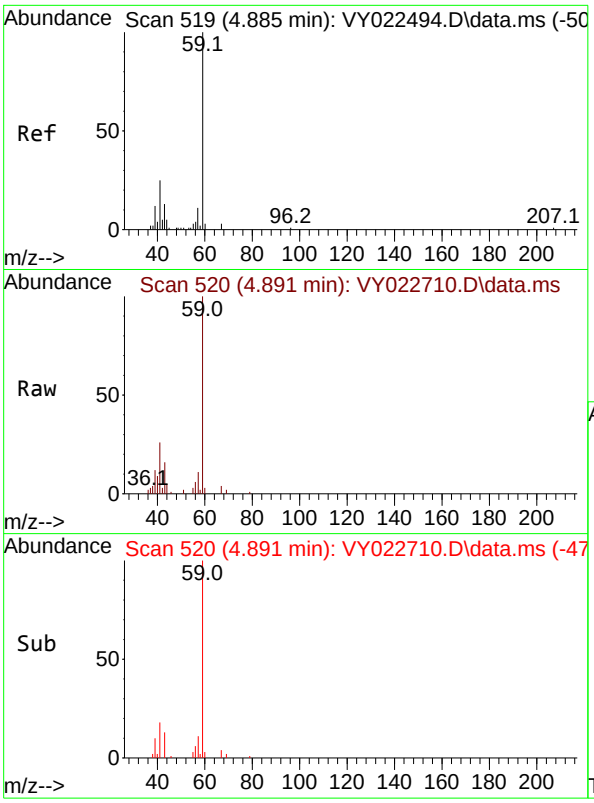


#10
Methyl Iodide
Concen: 49.418 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:142 Resp: 80934

Ion	Ratio	Lower	Upper
142	100		
127	49.4	37.1	55.7
141	15.4	11.4	17.2



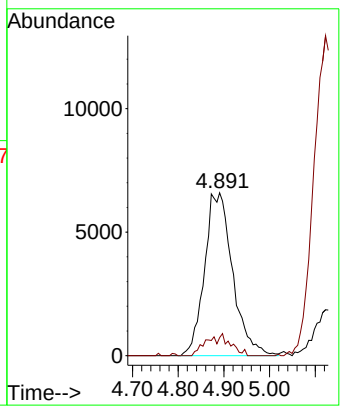


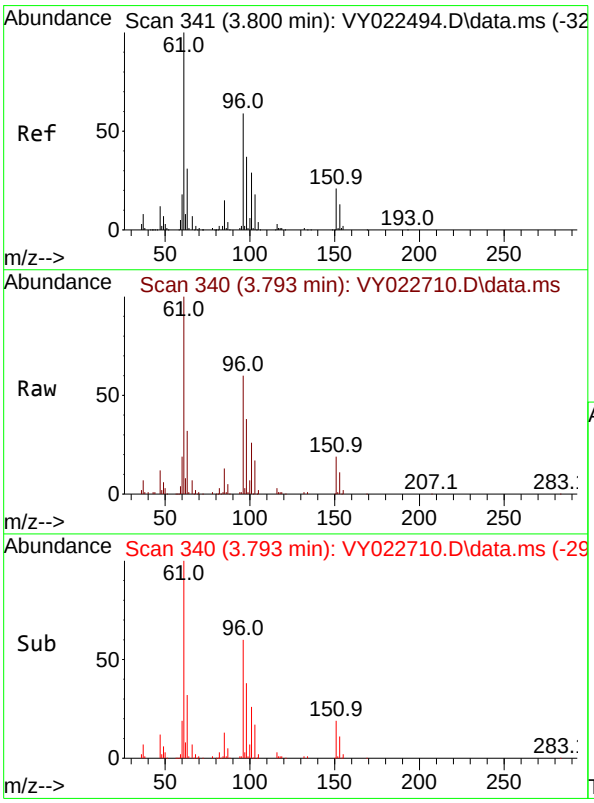
#11
Tert butyl alcohol
Concen: 255.390 ug/l
RT: 4.891 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 28143

Ion	Ratio	Lower	Upper
59	100		
57	5.7	8.0	12.0#

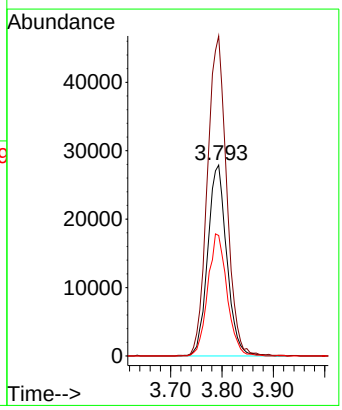


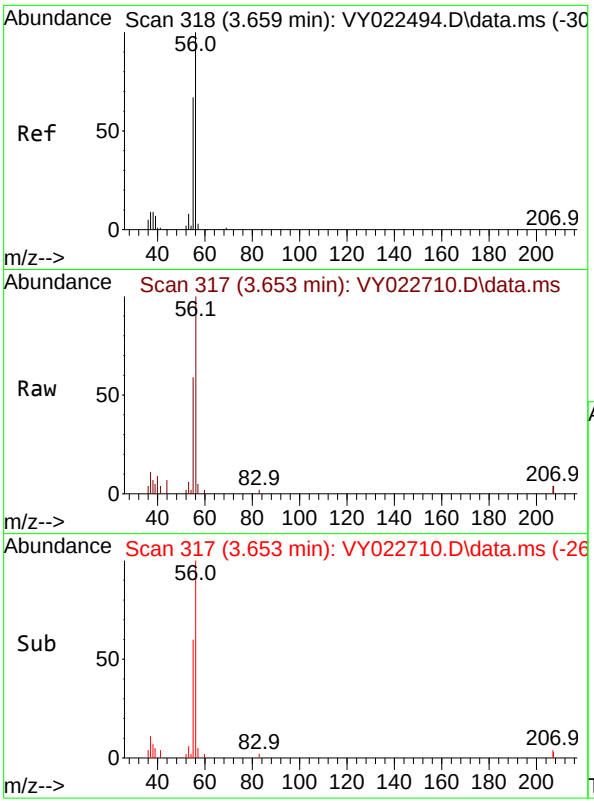


#12
1,1-Dichloroethene
Concen: 49.635 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 96 Resp: 71802

Ion	Ratio	Lower	Upper
96	100		
61	167.3	134.6	201.8
98	63.1	50.2	75.4



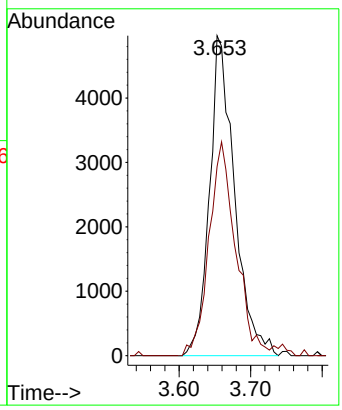


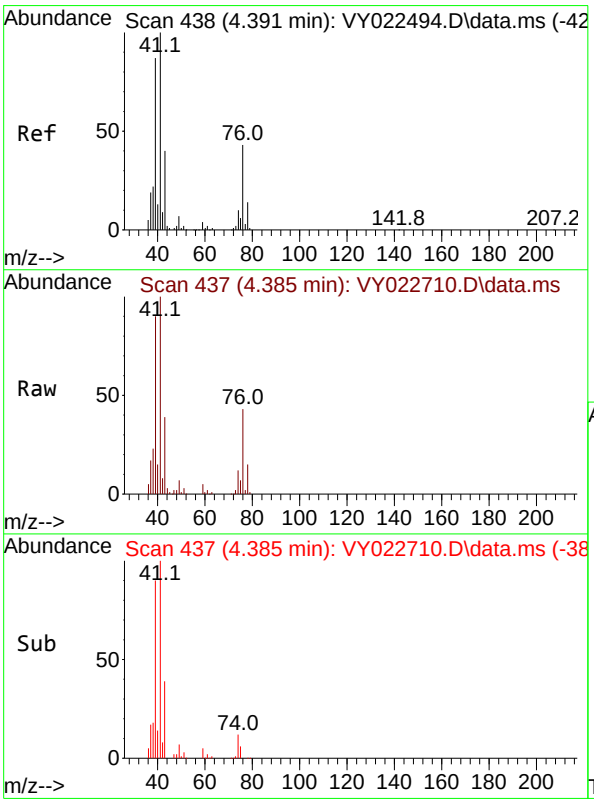
#13
Acrolein
Concen: 87.831 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 12062

Ion	Ratio	Lower	Upper
56	100		
55	71.0	57.0	85.6

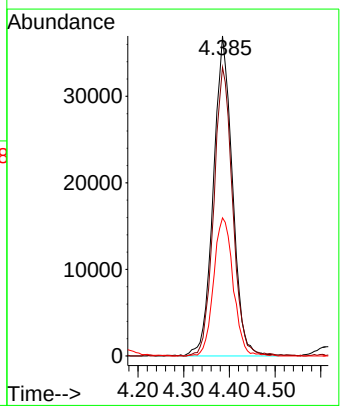


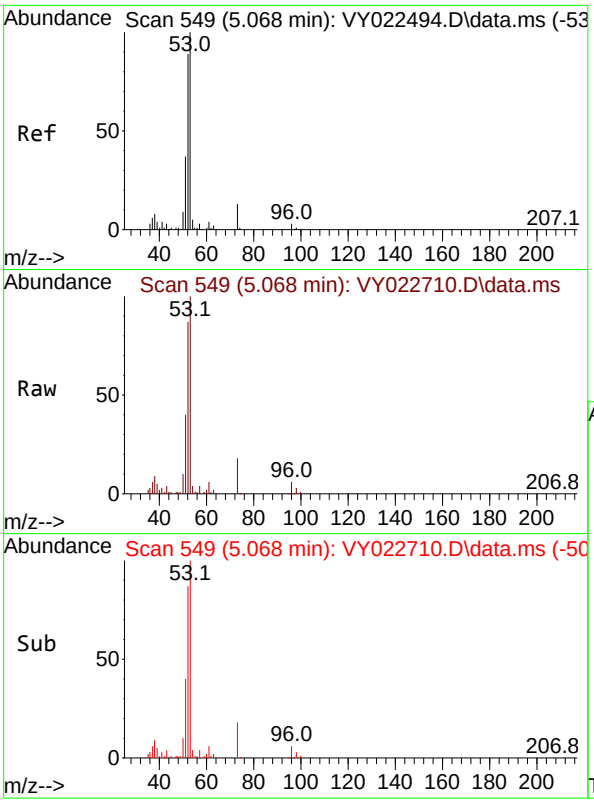


#14
Allyl chloride
Concen: 47.269 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 41 Resp: 107347

Ion	Ratio	Lower	Upper
41	100		
39	89.0	69.1	103.7
76	44.3	33.5	50.3



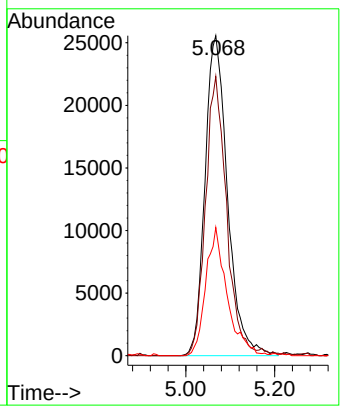


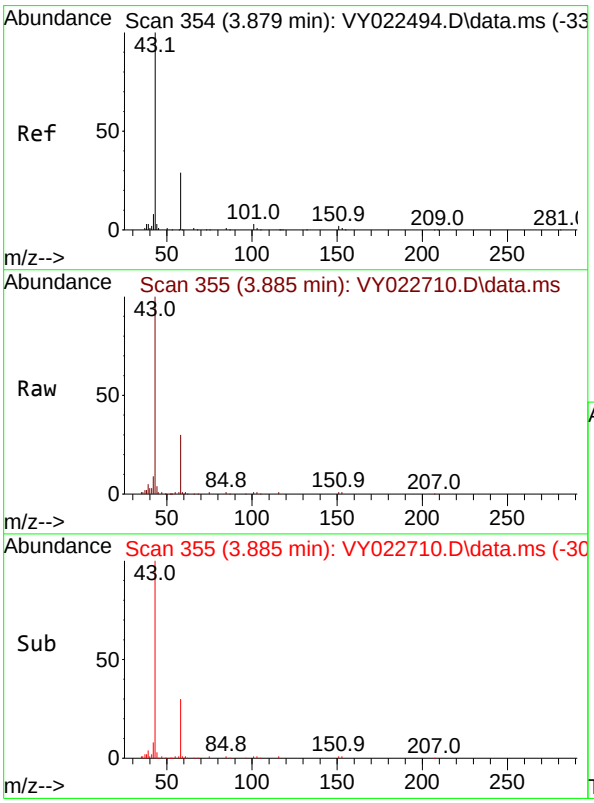
#15
Acrylonitrile
Concen: 263.071 ug/l
RT: 5.068 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 90158

Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.7	98.5
51	37.9	30.1	45.1

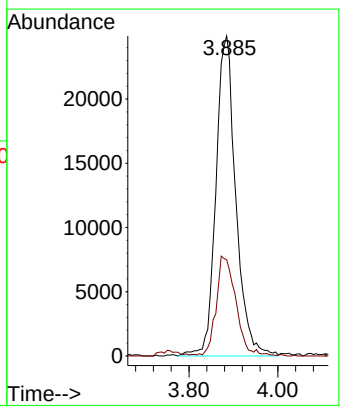


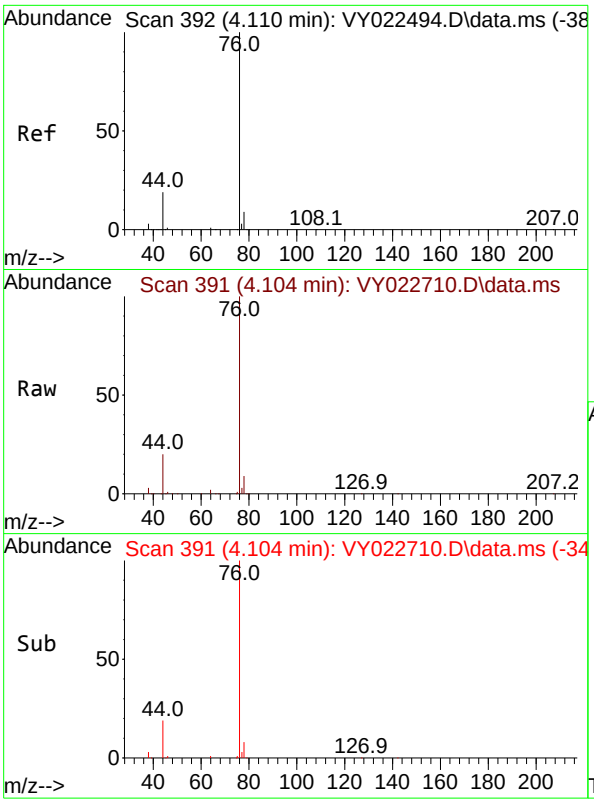


#16
Acetone
Concen: 246.431 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 43 Resp: 77215

Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.0	36.0



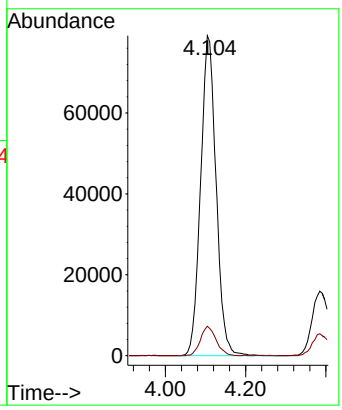


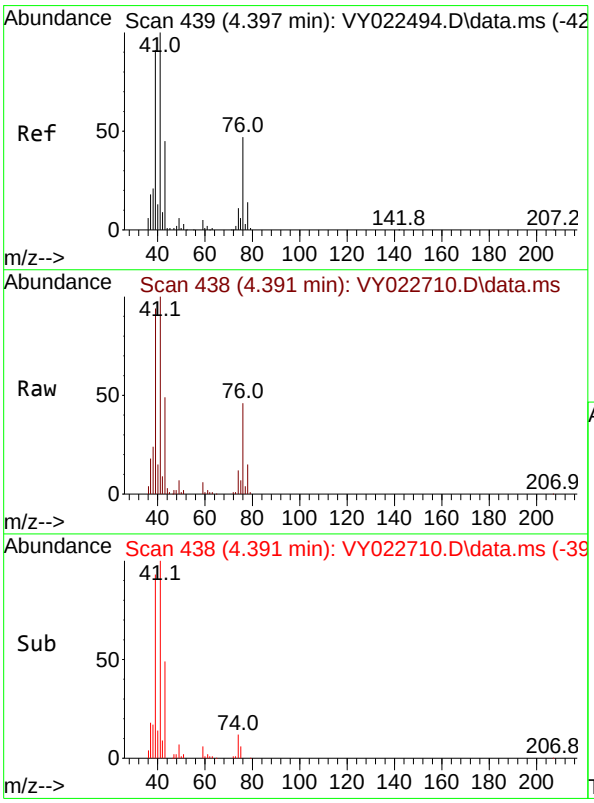
#17
Carbon Disulfide
Concen: 45.723 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 211760

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

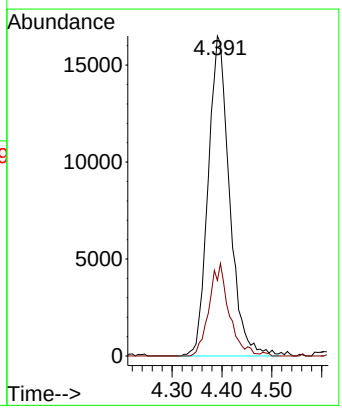


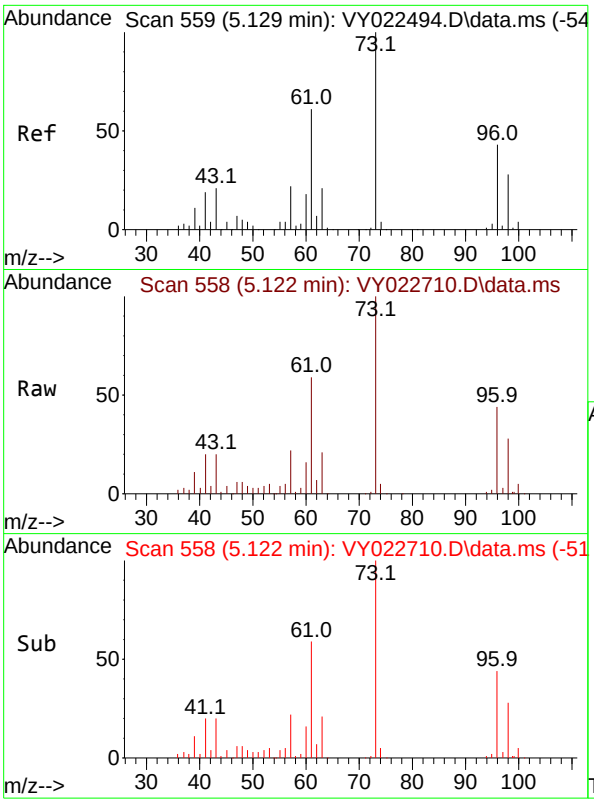


#18
Methyl Acetate
Concen: 52.991 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 43 Resp: 49168

Ion	Ratio	Lower	Upper
43	100		
74	27.0	19.8	29.6



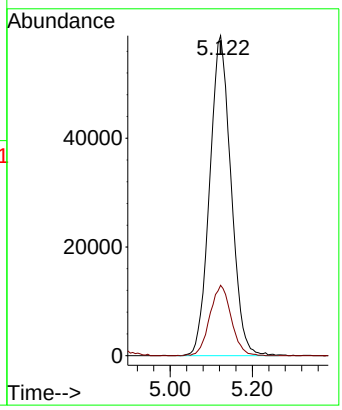


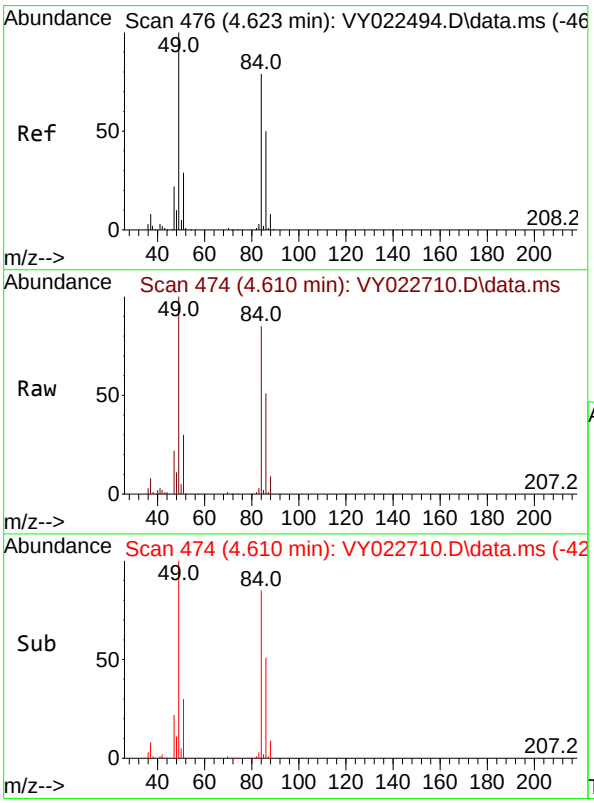
#19
Methyl tert-butyl Ether
Concen: 52.020 ug/l
RT: 5.122 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 211954

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.0

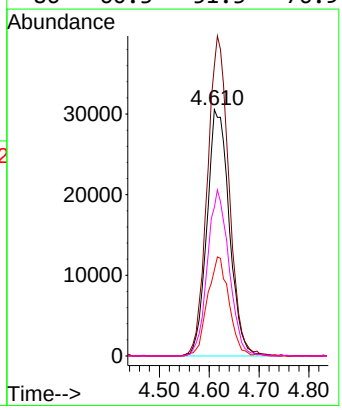


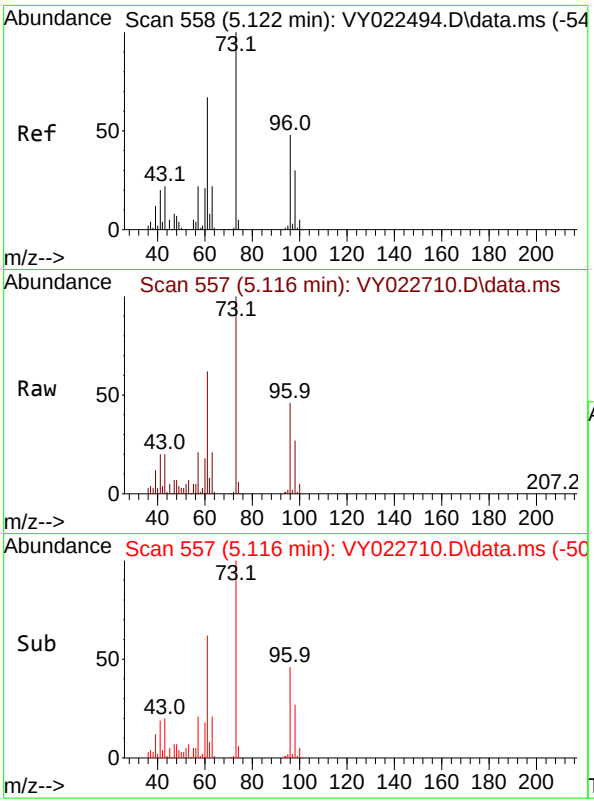


#20
Methylene Chloride
Concen: 53.338 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 84 Resp: 94933

Ion	Ratio	Lower	Upper
84	100		
49	117.8	101.9	152.9
51	34.9	29.8	44.8
86	60.3	51.3	76.9



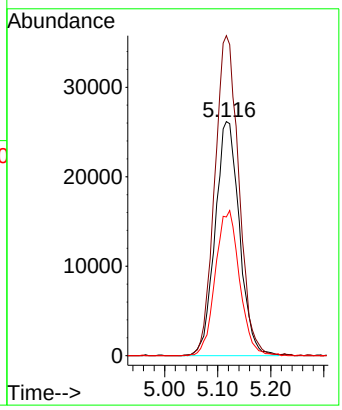


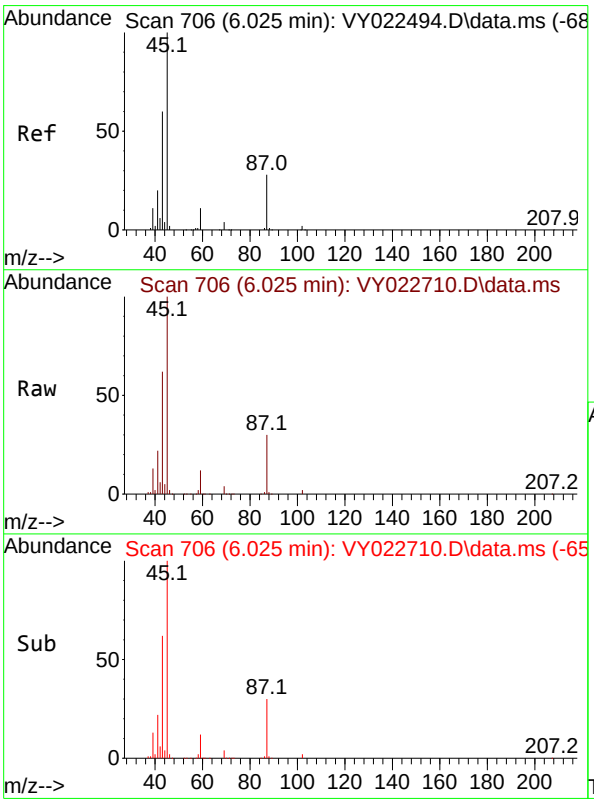
#21
trans-1,2-Dichloroethene
Concen: 51.487 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 83360

Ion	Ratio	Lower	Upper
96	100		
61	136.7	112.6	169.0
98	59.3	50.6	75.8

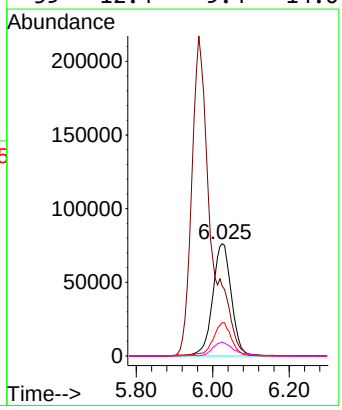


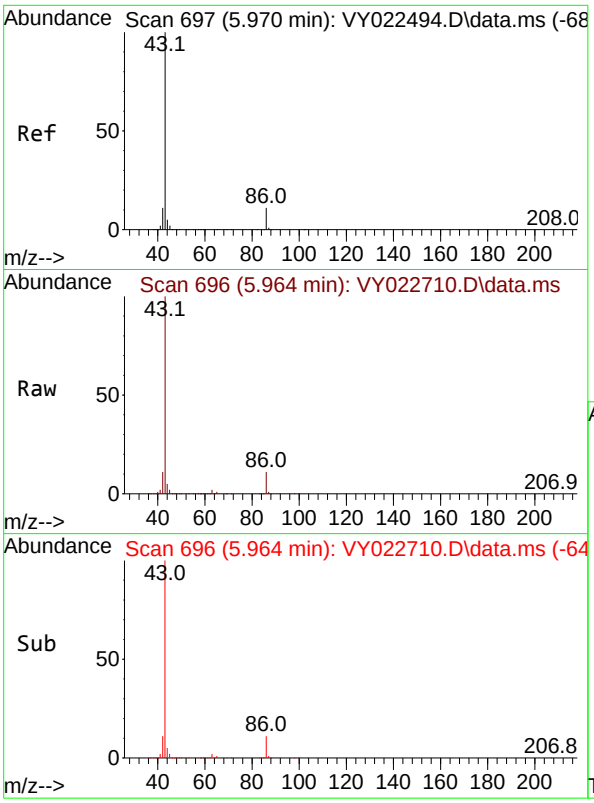


#22
Diisopropyl ether
Concen: 51.002 ug/l
RT: 6.025 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 45 Resp: 257814

Ion	Ratio	Lower	Upper
45	100		
43	61.8	48.3	72.5
87	29.7	23.0	34.6
59	12.4	9.4	14.0



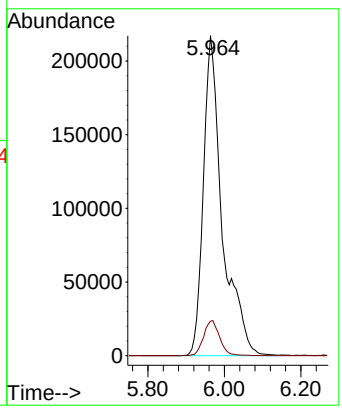


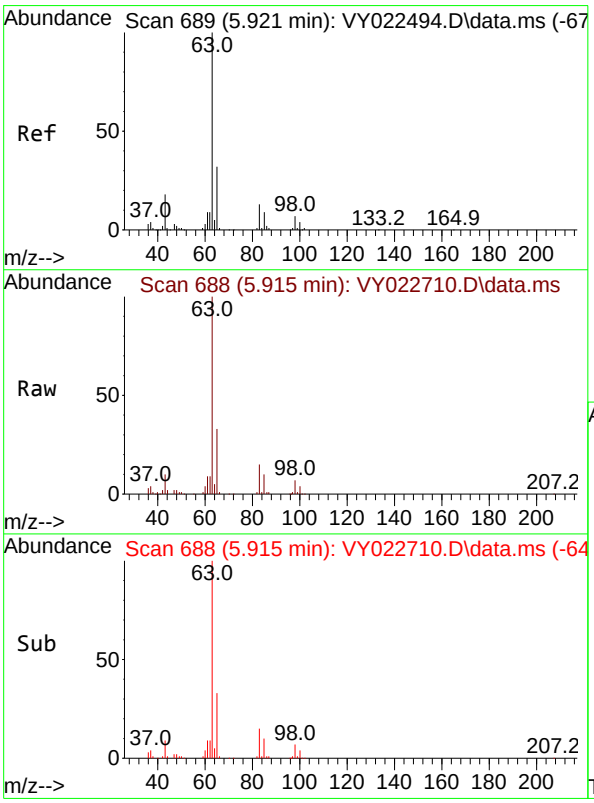
#23
Vinyl Acetate
Concen: 249.432 ug/l
RT: 5.964 min Scan# 6
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 746275

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.6	12.8

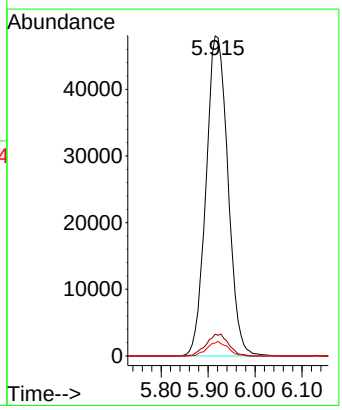


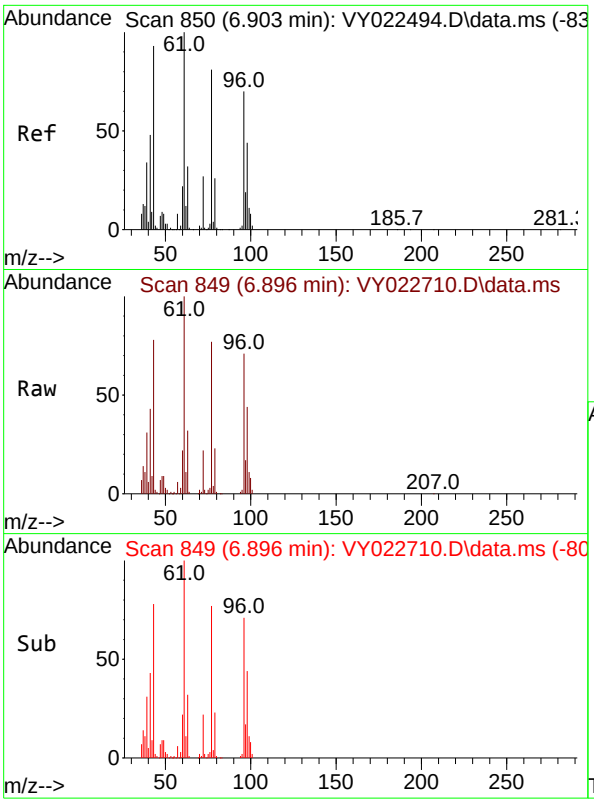


#24
1,1-Dichloroethane
Concen: 52.136 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 63 Resp: 155258

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.1
100	4.0	2.1	6.3



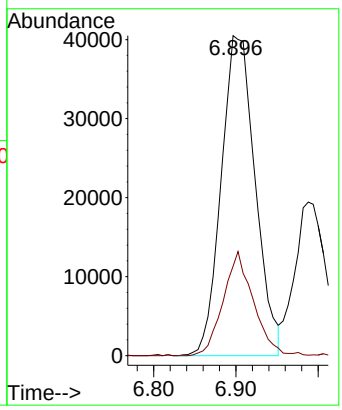


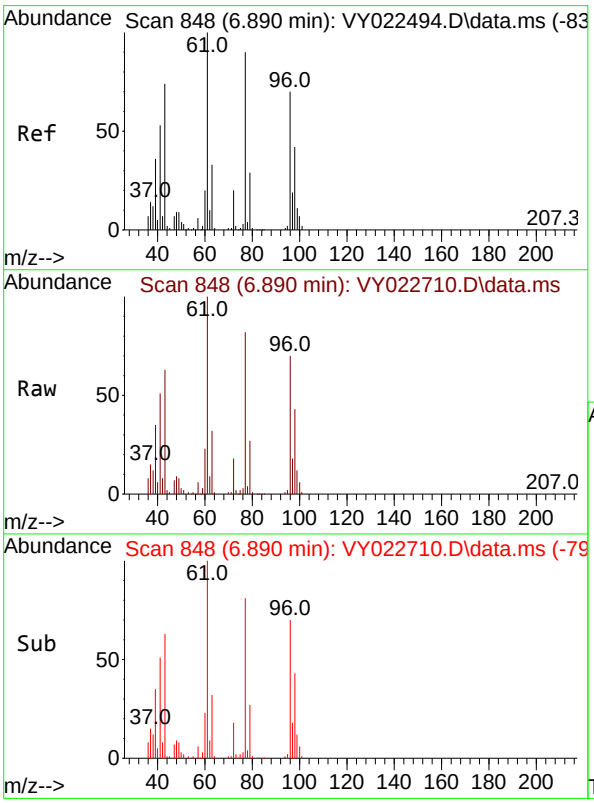
#25
2-Butanone
Concen: 257.879 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 116552

Ion	Ratio	Lower	Upper
43	100		
72	27.9	22.9	34.3

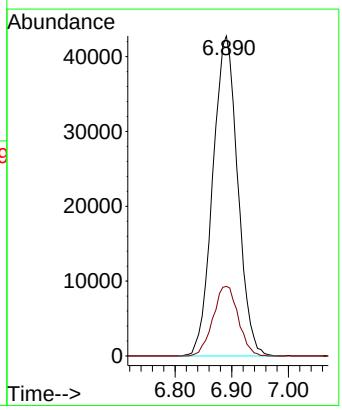


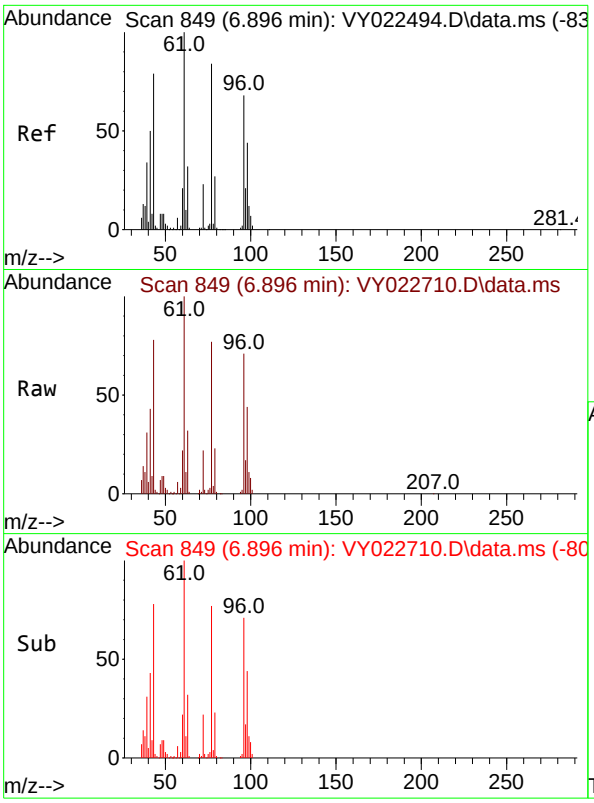


#26
2,2-Dichloropropane
Concen: 49.599 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 77 Resp: 130505

Ion	Ratio	Lower	Upper
77	100		
97	22.0	11.4	34.2



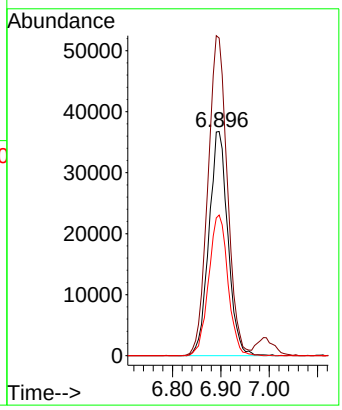


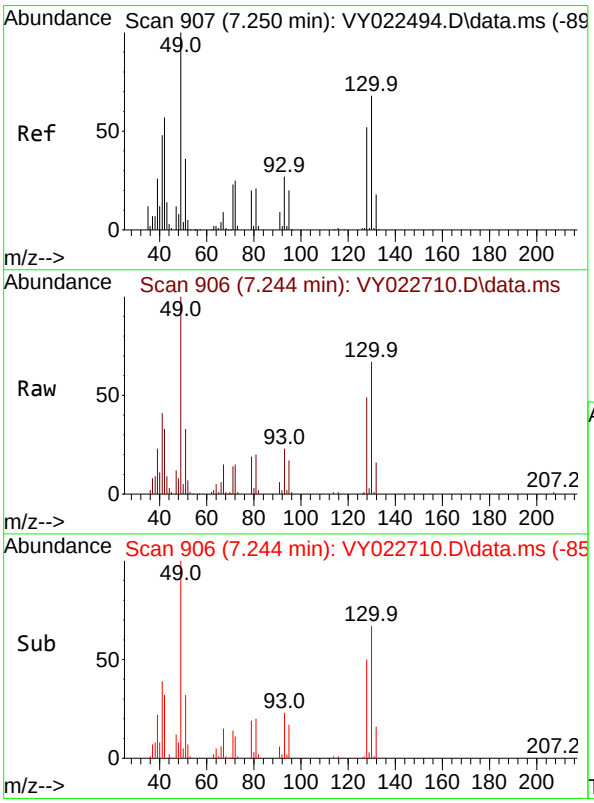
#27
cis-1,2-Dichloroethene
Concen: 53.374 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 99882

Ion	Ratio	Lower	Upper
96	100		
61	146.7	0.0	290.0
98	63.9	0.0	128.4

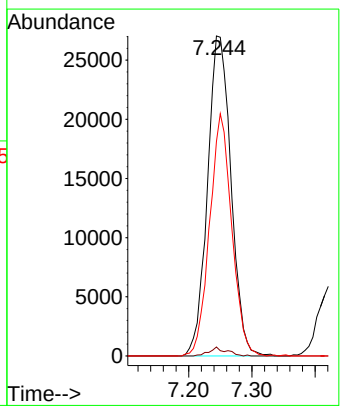


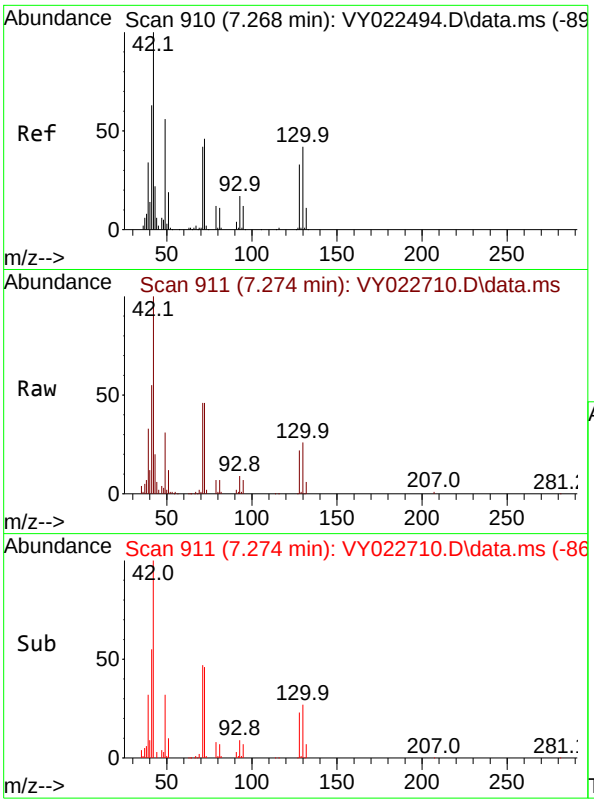


#28
Bromochloromethane
Concen: 53.812 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 49 Resp: 69854

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.6
130	71.2	55.7	83.5



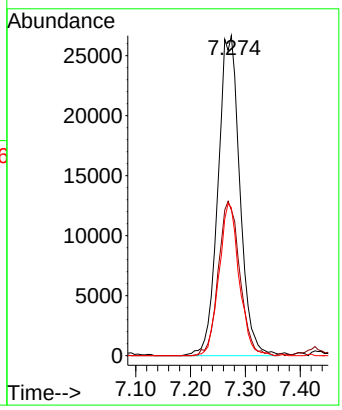


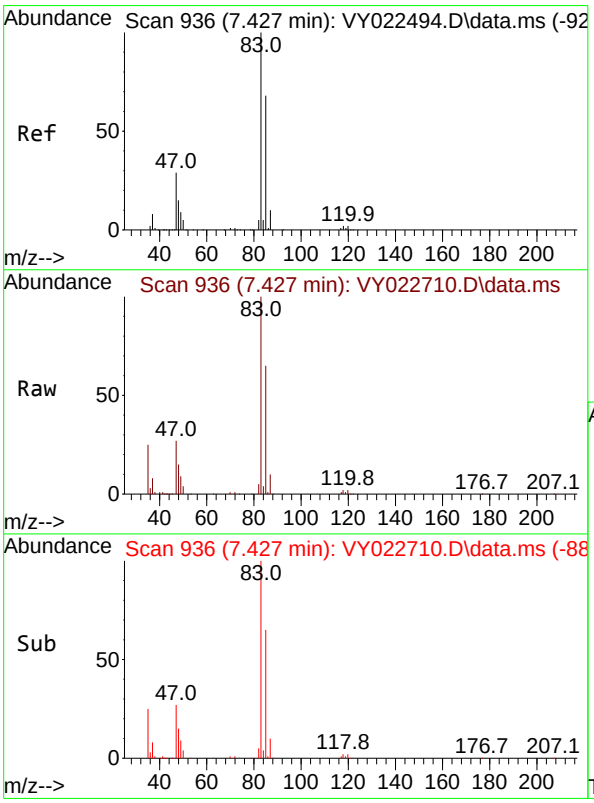
#29
Tetrahydrofuran
Concen: 253.774 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 73976

Ion	Ratio	Lower	Upper
42	100		
72	47.5	37.4	56.2
71	44.1	34.2	51.2

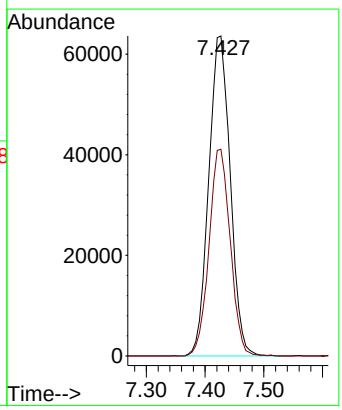


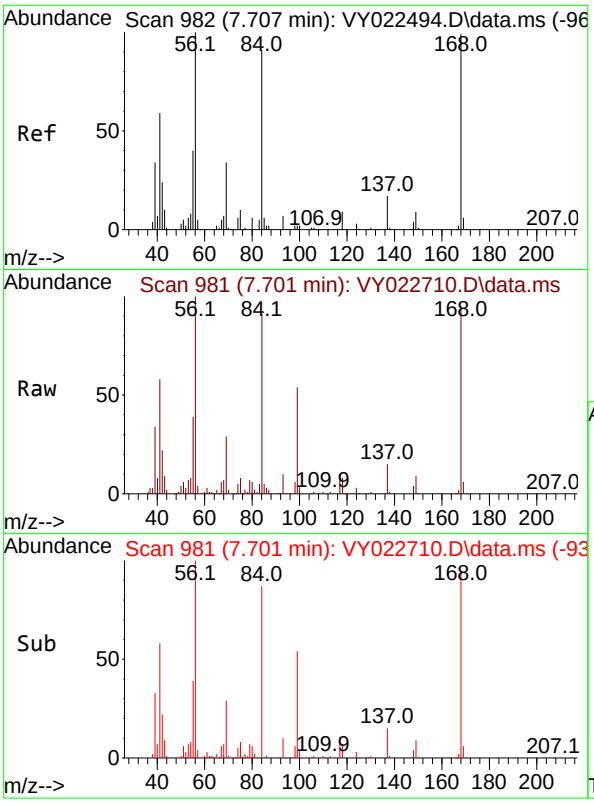


#30
Chloroform
Concen: 54.803 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 83 Resp: 161650

Ion	Ratio	Lower	Upper
83	100		
85	64.6	54.2	81.4



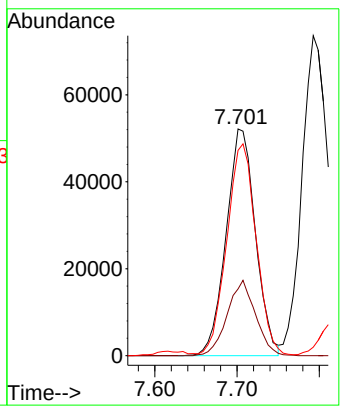


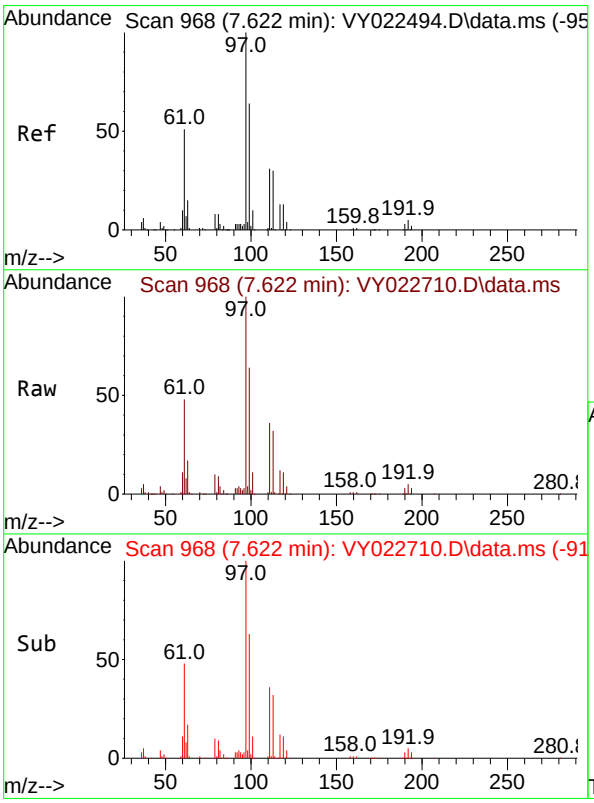
#31
Cyclohexane
Concen: 43.527 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 129044

Ion	Ratio	Lower	Upper
56	100		
69	29.5	27.0	40.6
84	89.0	72.6	109.0

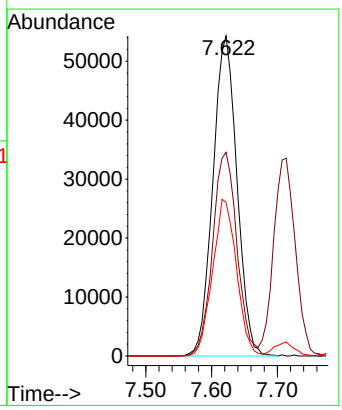


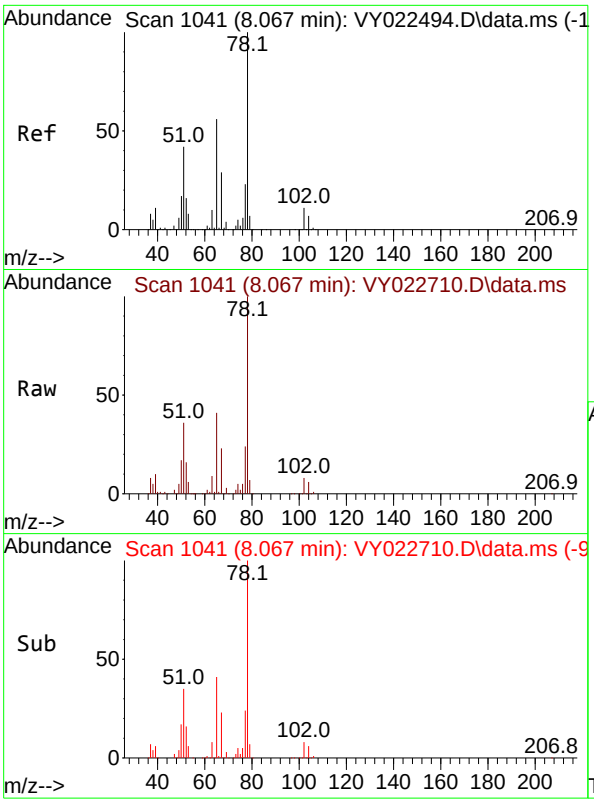


#32
1,1,1-Trichloroethane
Concen: 52.784 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 97 Resp: 138210

Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.9	76.3
61	48.7	38.5	57.7



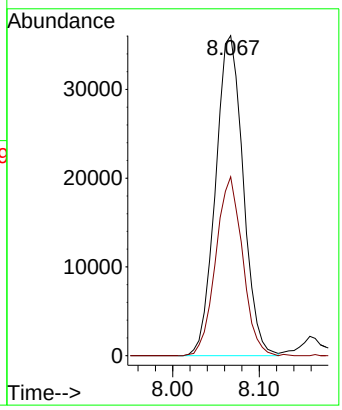


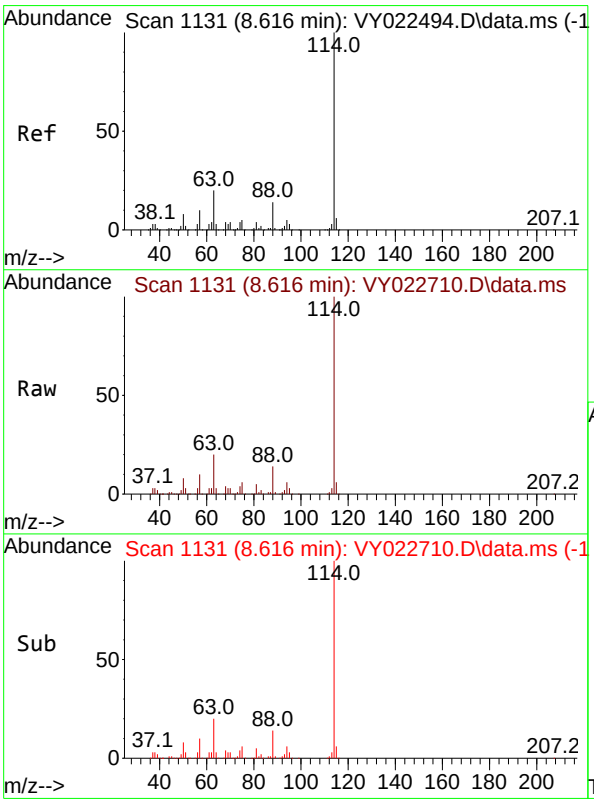
#33
1,2-Dichloroethane-d4
Concen: 51.781 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 79891

Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	103.4

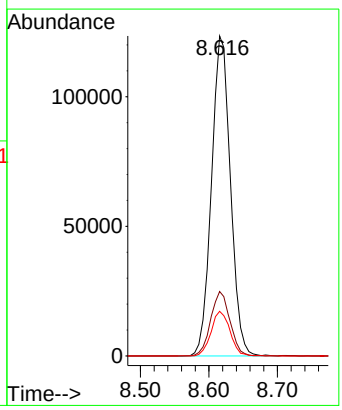


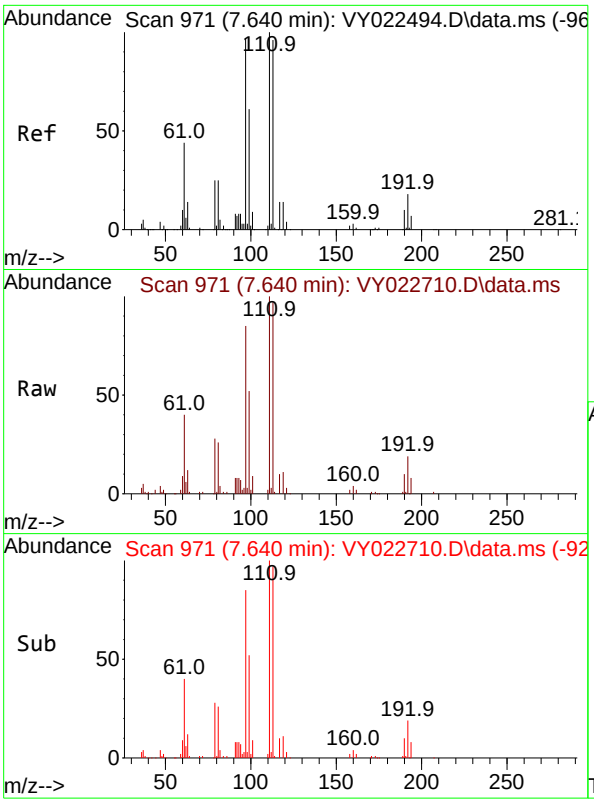


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:114 Resp: 236748

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.8
88	13.9	0.0	27.8



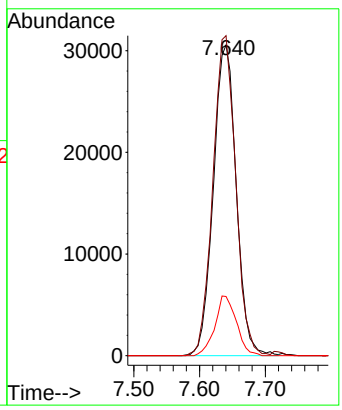


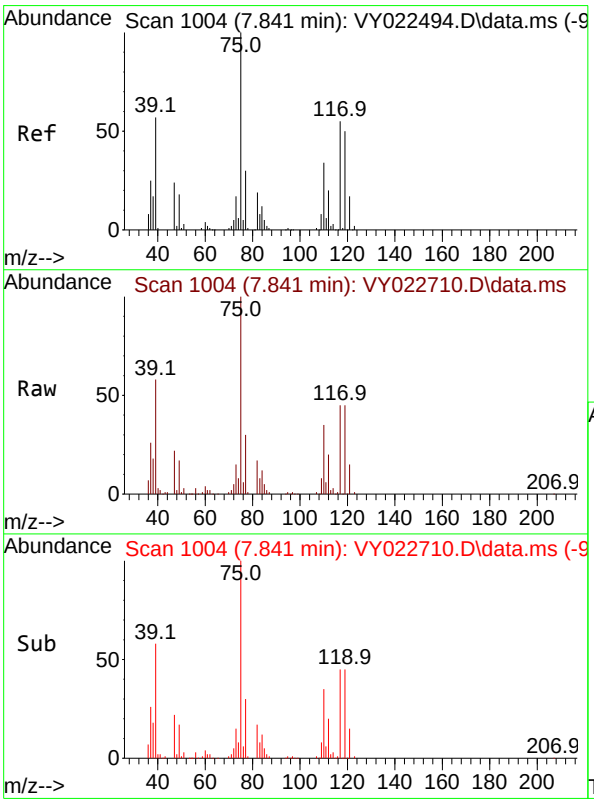
#35
Dibromofluoromethane
Concen: 52.430 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 74089

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.1	121.7
192	18.1	14.2	21.2

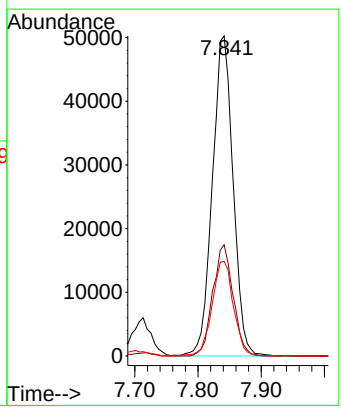


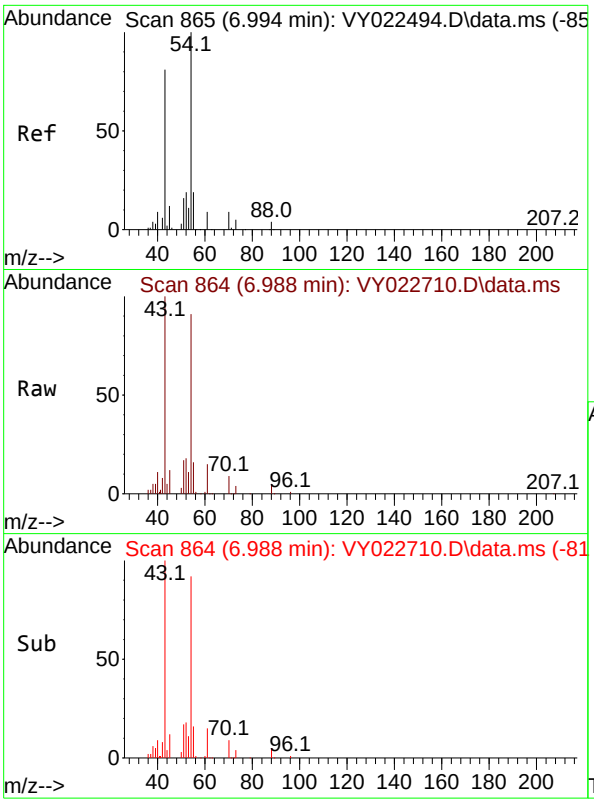


#36
1,1-Dichloropropene
Concen: 49.798 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 75 Resp: 114209

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.7
77	30.4	24.8	37.2



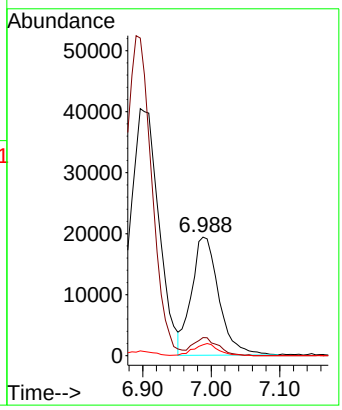


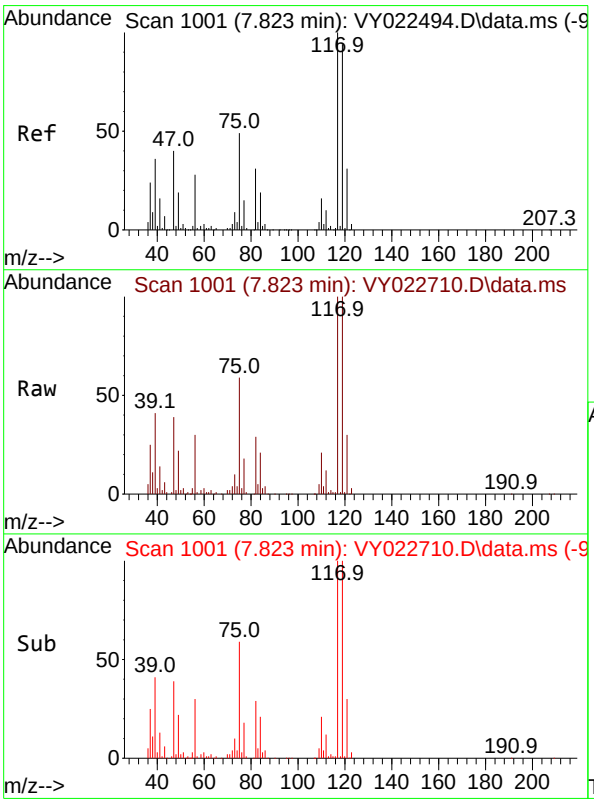
#37
Ethyl Acetate
Concen: 52.401 ug/l
RT: 6.988 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 53594

Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.5	17.3
70	9.3	7.2	10.8

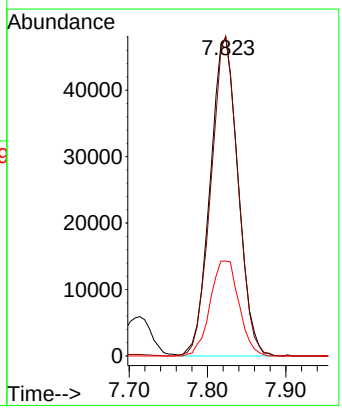


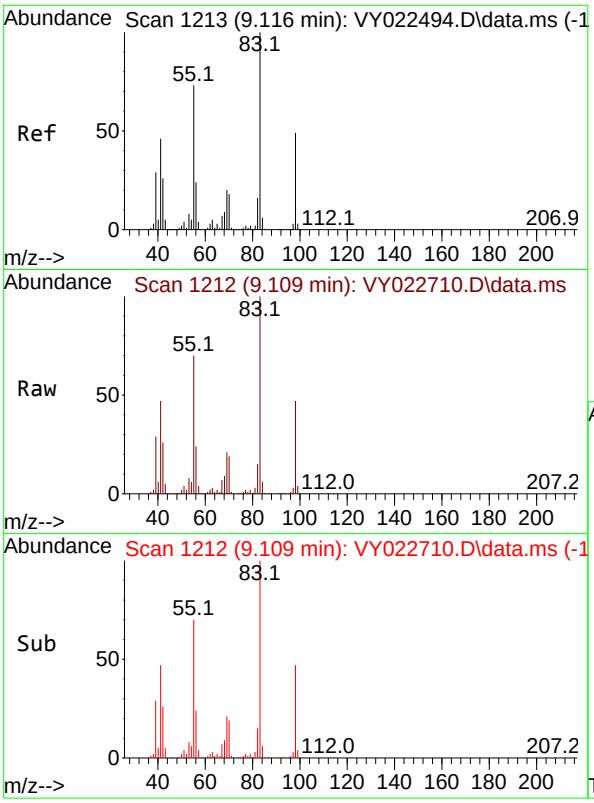


#38
Carbon Tetrachloride
Concen: 50.410 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:117 Resp: 118602

Ion	Ratio	Lower	Upper
117	100		
119	100.4	75.0	112.6
121	29.8	25.0	37.4



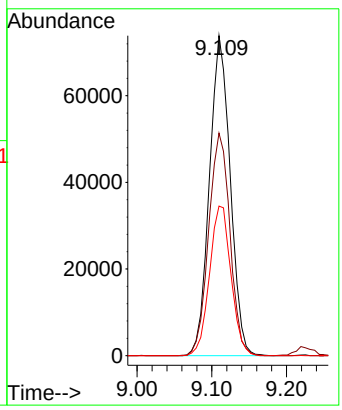


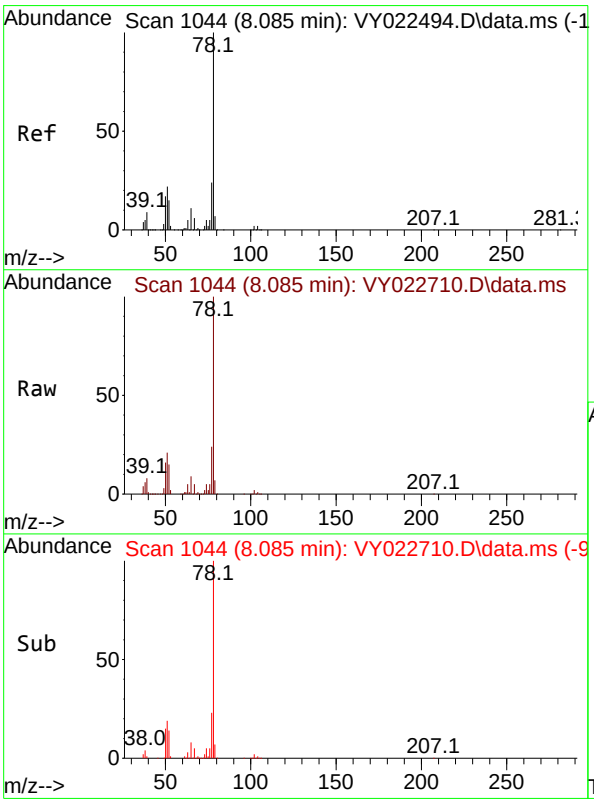
#39
Methylcyclohexane
Concen: 46.329 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 142791

Ion	Ratio	Lower	Upper
83	100		
55	69.6	58.1	87.1
98	46.7	39.0	58.6

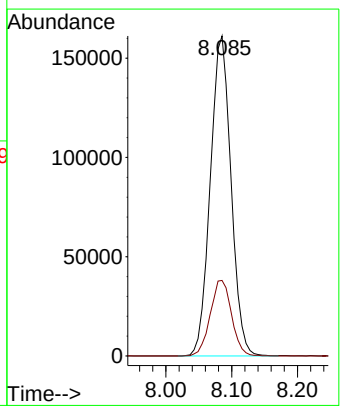


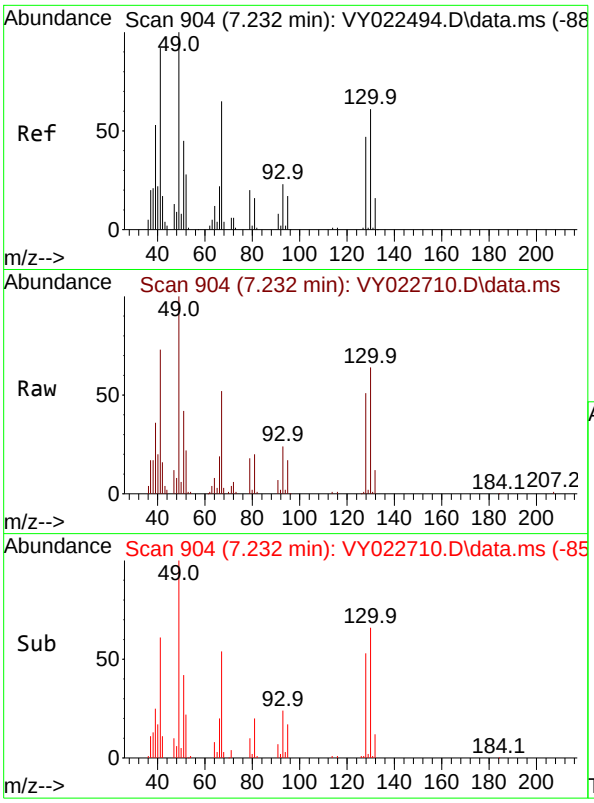


#40
Benzene
Concen: 52.152 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 78 Resp: 353278

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.3	28.9



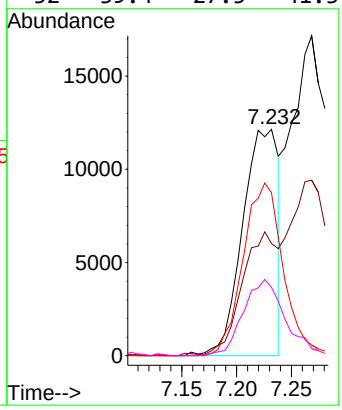


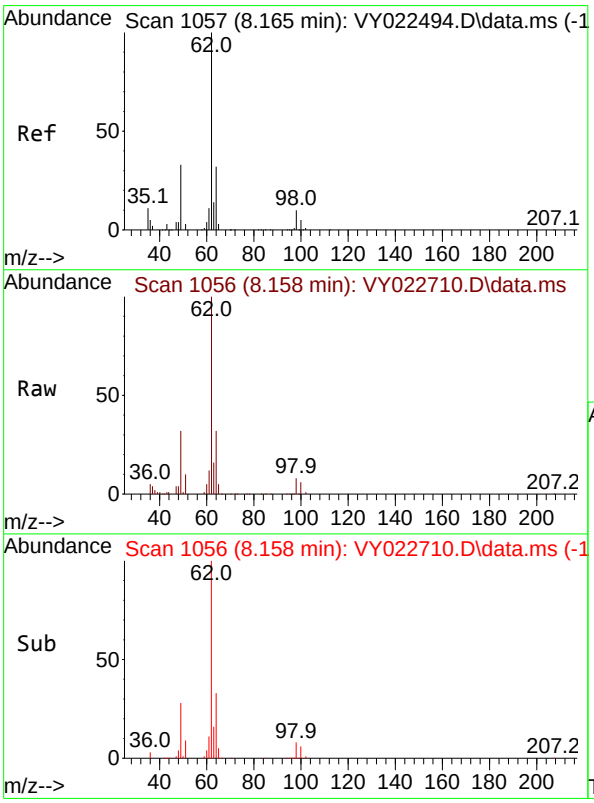
#41
Methacrylonitrile
Concen: 46.208 ug/l
RT: 7.232 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 27605

Ion	Ratio	Lower	Upper
41	100		
39	52.9	46.6	69.8
67	85.6	63.3	94.9
52	39.4	27.5	41.3

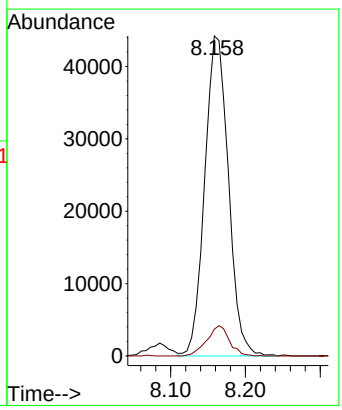


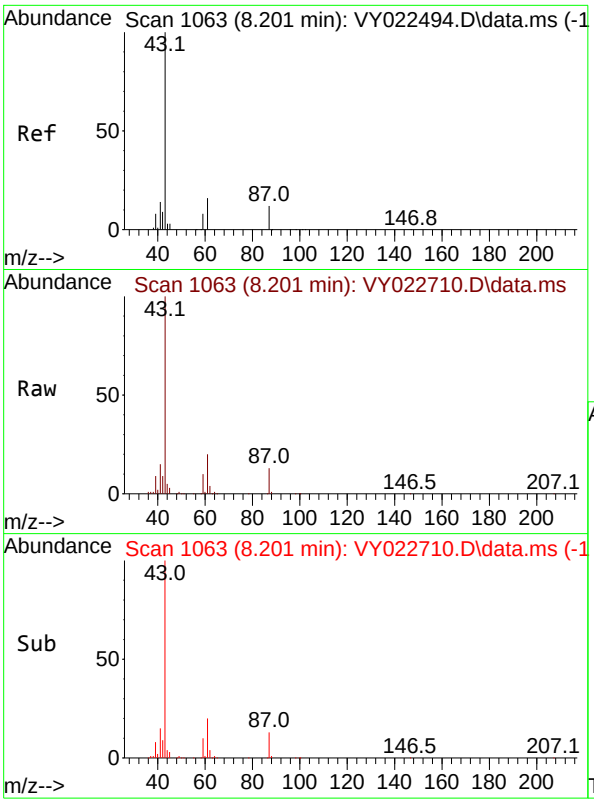


#42
1,2-Dichloroethane
Concen: 52.679 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 62 Resp: 97435

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	19.2



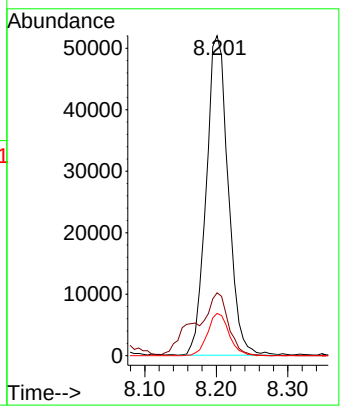


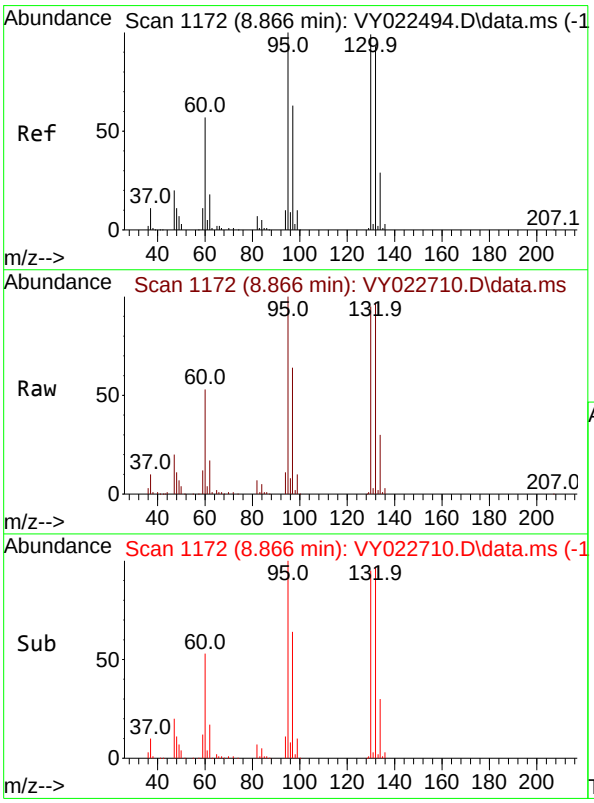
#43
Isopropyl Acetate
Concen: 50.078 ug/l
RT: 8.201 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 110618

Ion	Ratio	Lower	Upper
43	100		
61	29.3	15.6	23.4#
87	13.0	10.2	15.4

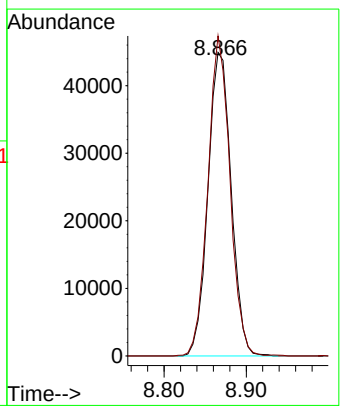


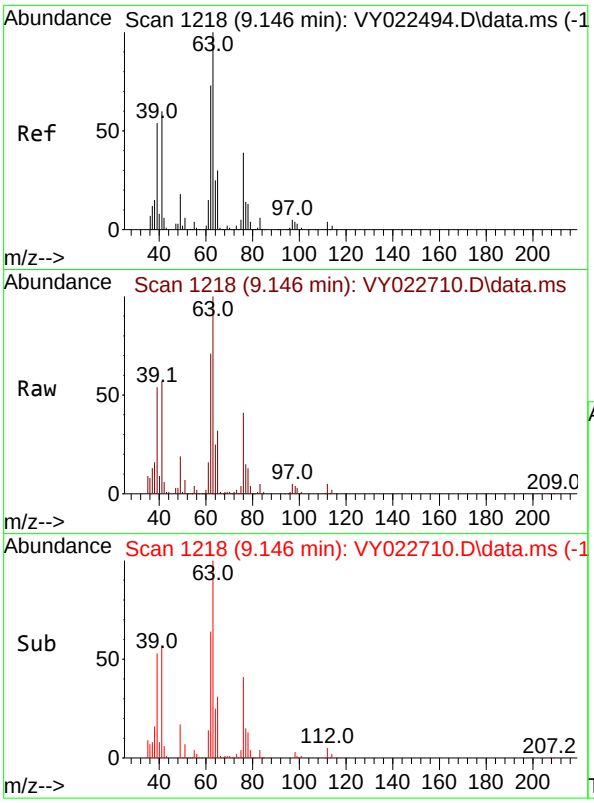


#44
Trichloroethene
Concen: 53.249 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:130 Resp: 88158

Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	203.0



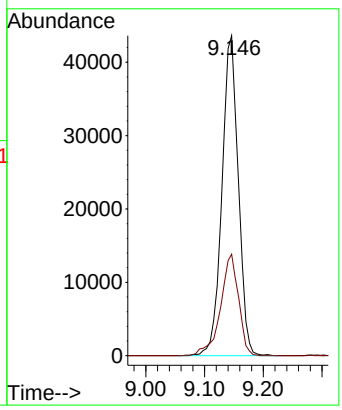


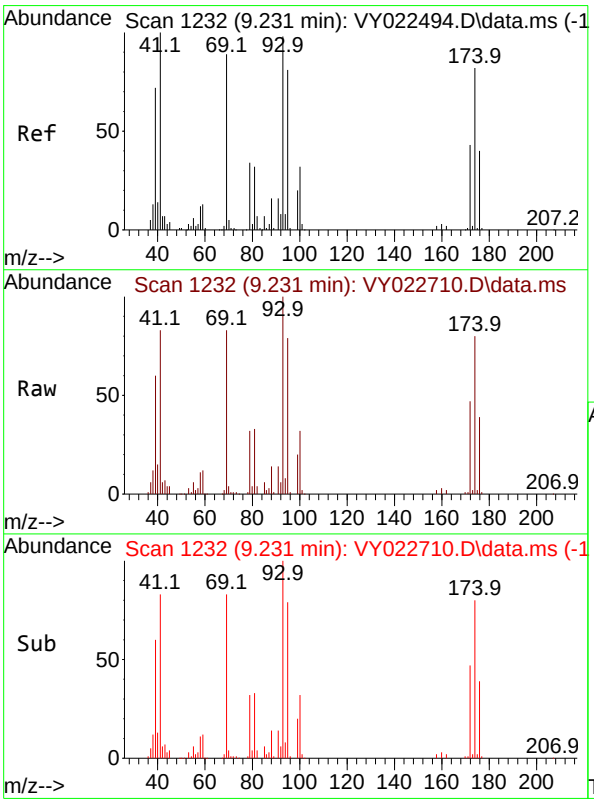
#45
1,2-Dichloropropane
Concen: 52.735 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 84424

Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.0	36.0

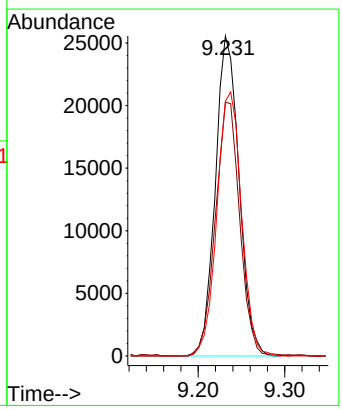


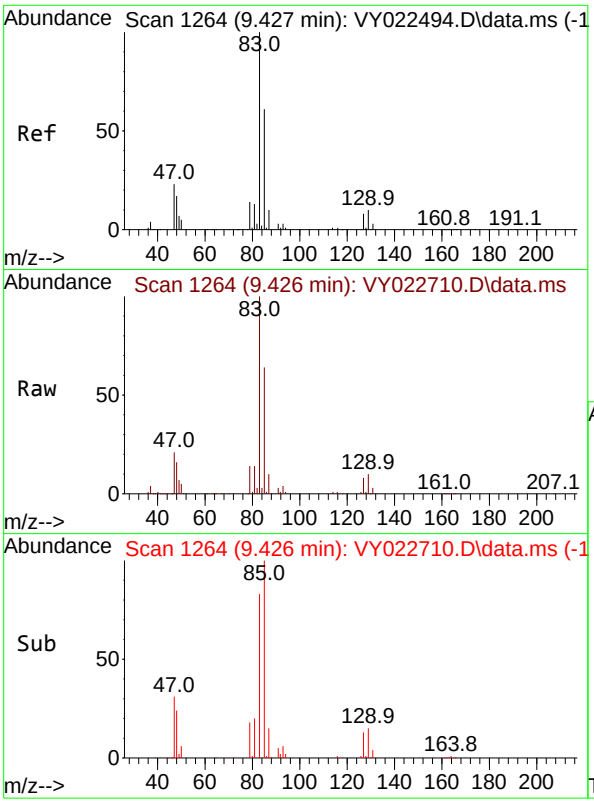


#46
Dibromomethane
Concen: 53.929 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 93 Resp: 48571

Ion	Ratio	Lower	Upper
93	100		
95	81.4	65.6	98.4
174	85.7	70.4	105.6



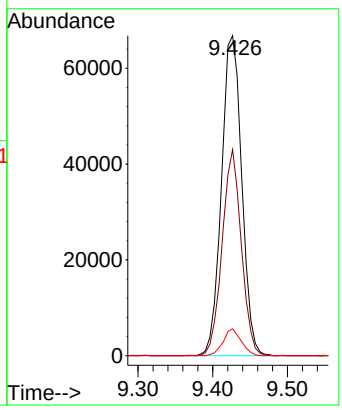


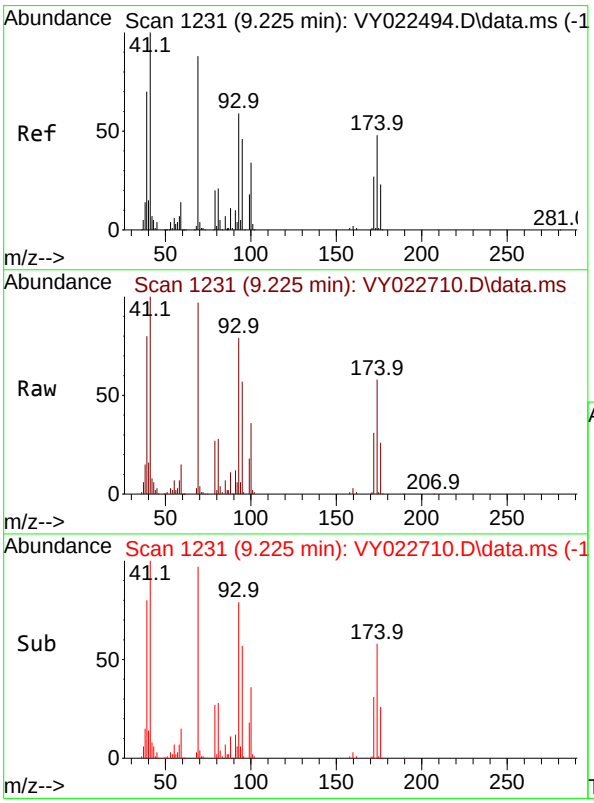
#47
Bromodichloromethane
Concen: 55.076 ug/l
RT: 9.426 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 125778

Ion	Ratio	Lower	Upper
83	100		
85	64.4	49.1	73.7
127	8.4	6.2	9.4

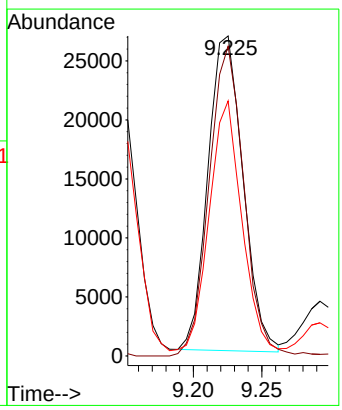


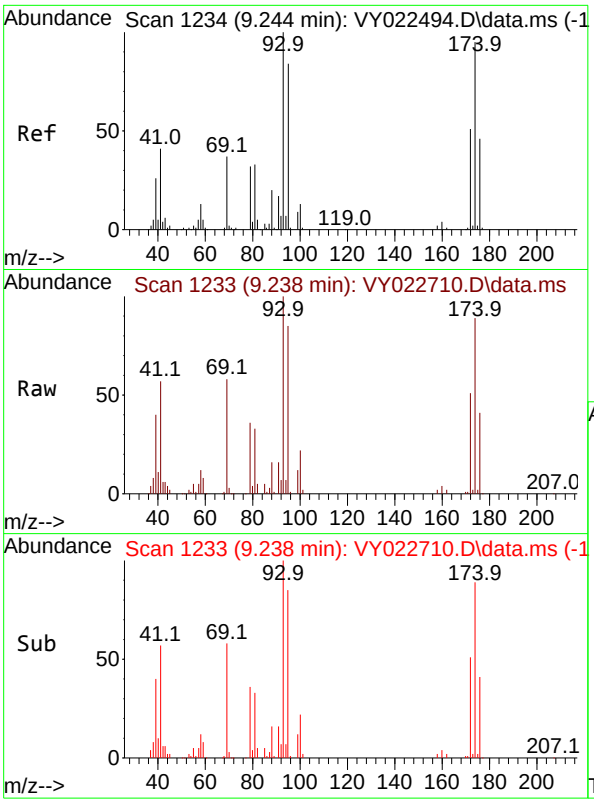


#48
Methyl methacrylate
Concen: 45.914 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 41 Resp: 47599

Ion	Ratio	Lower	Upper
41	100		
69	98.0	67.8	101.8
39	76.4	55.0	82.4



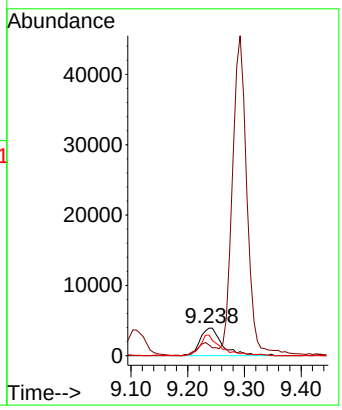


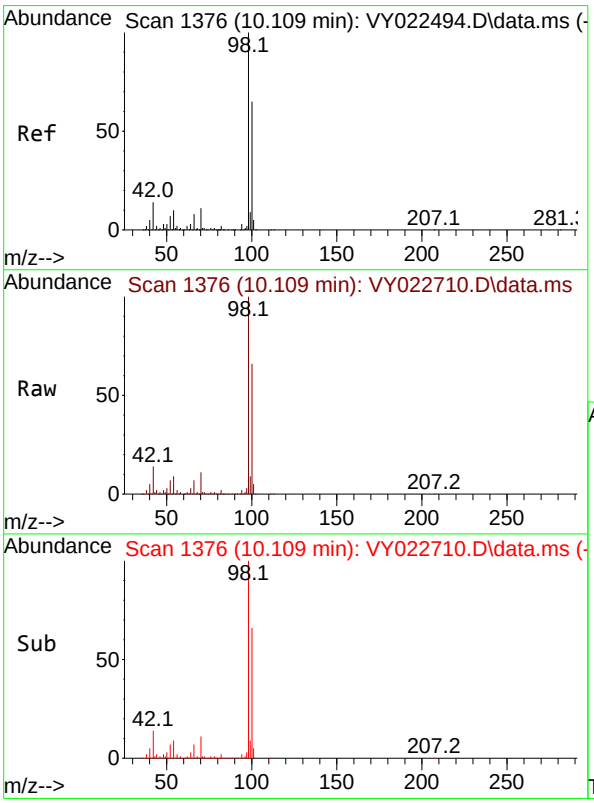
#49
1,4-Dioxane
Concen: 1001.869 ug/l
RT: 9.238 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 10690

Ion	Ratio	Lower	Upper
88	100		
43	38.2	25.4	38.2#
58	68.7	54.9	82.3

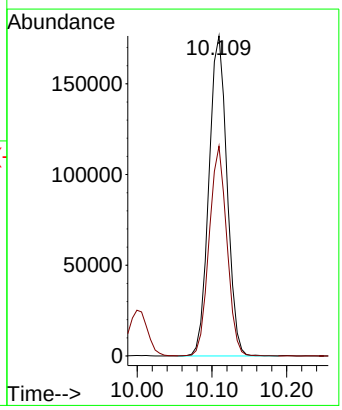


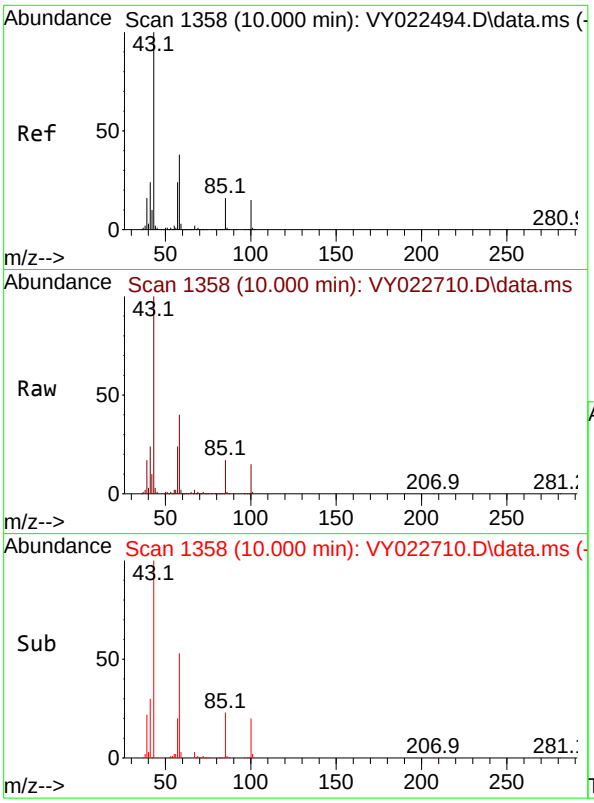


#50
Toluene-d8
Concen: 51.827 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 98 Resp: 295921

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.0



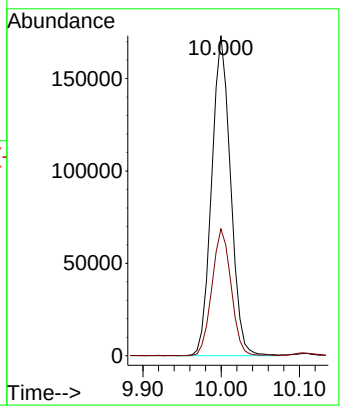


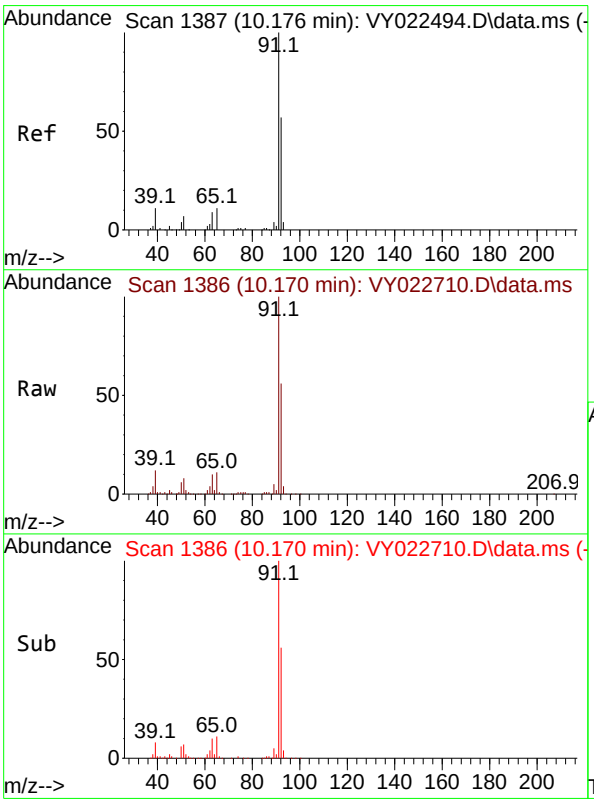
#51
4-Methyl-2-Pentanone
Concen: 263.816 ug/l
RT: 10.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 290539

Ion	Ratio	Lower	Upper
43	100		
58	40.1	30.4	45.6

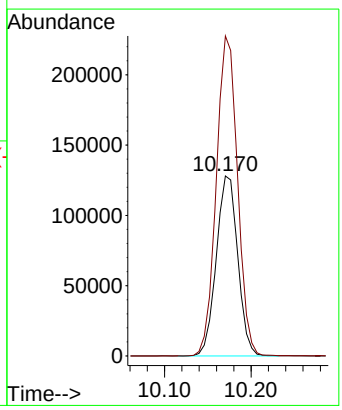


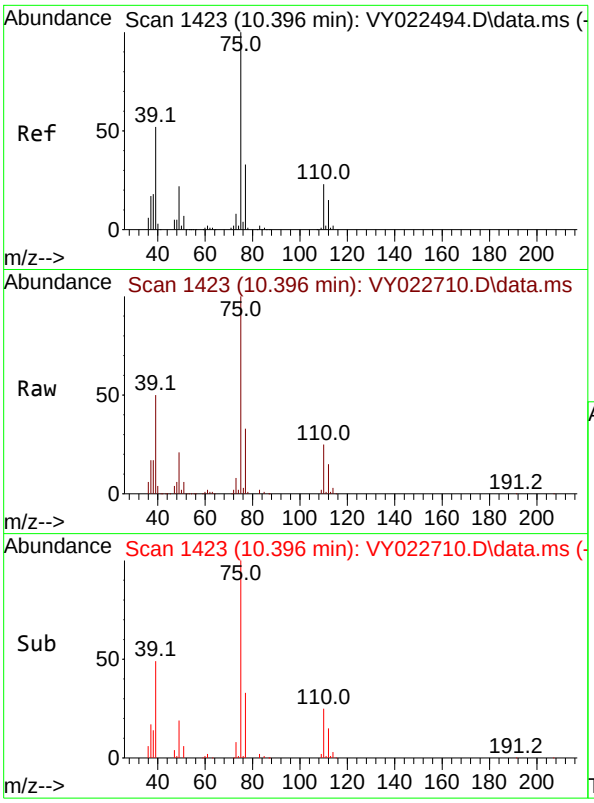


#52
Toluene
Concen: 51.756 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 92 Resp: 220323

Ion	Ratio	Lower	Upper
92	100		
91	176.2	139.0	208.4



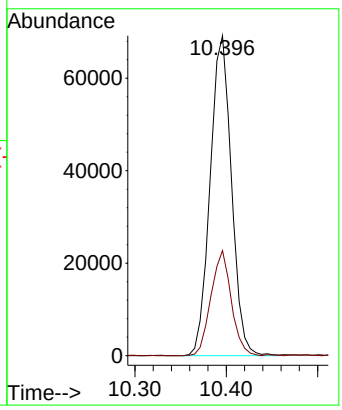


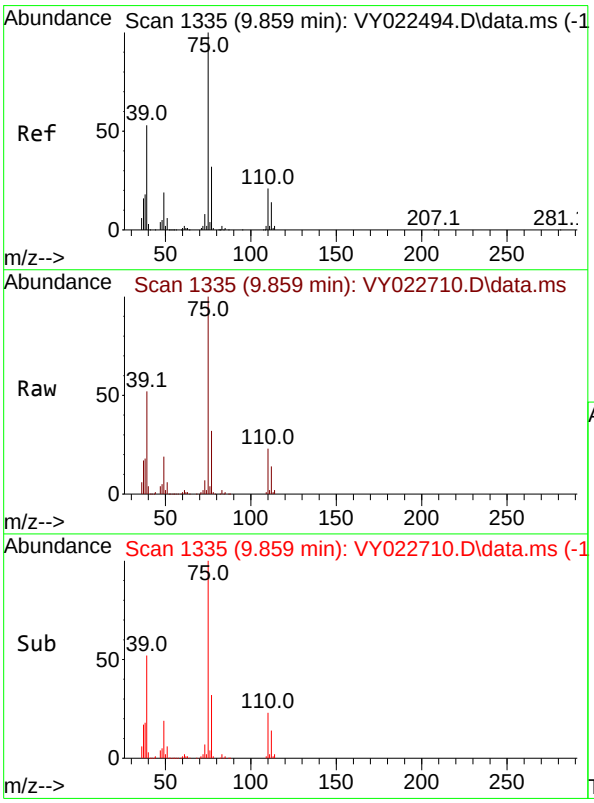
#53
t-1,3-Dichloropropene
Concen: 52.386 ug/l
RT: 10.396 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 112095

Ion	Ratio	Lower	Upper
75	100		
77	32.9	26.5	39.7

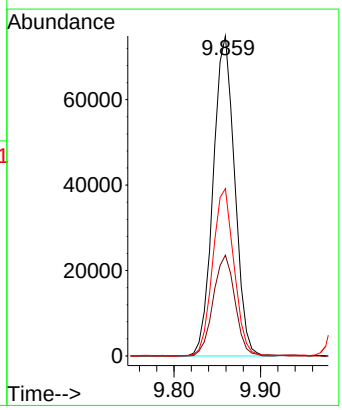


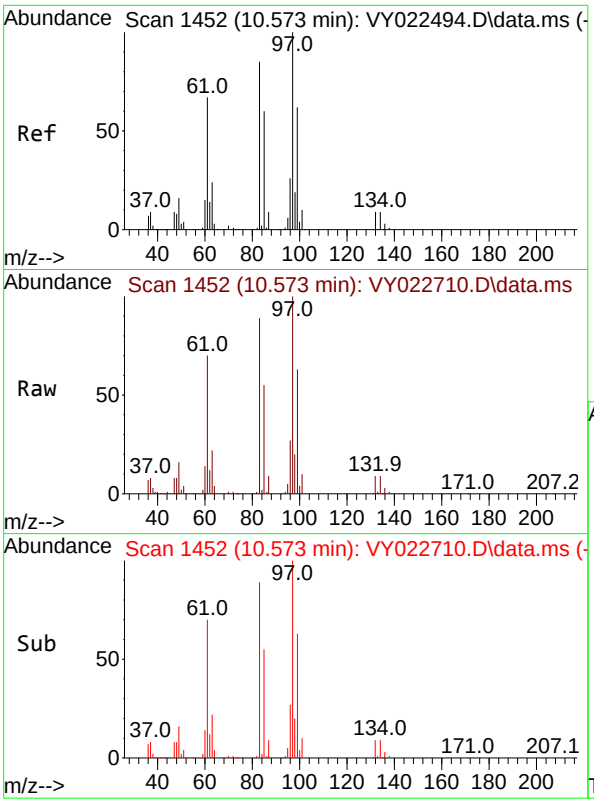


#54
cis-1,3-Dichloropropene
Concen: 51.799 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 75 Resp: 129022

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9
39	52.2	42.7	64.1



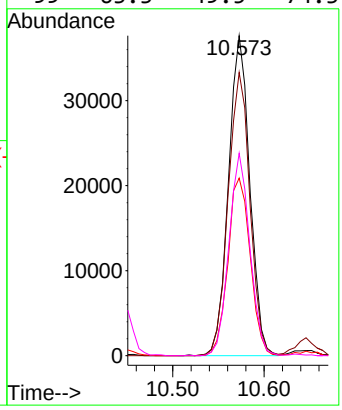


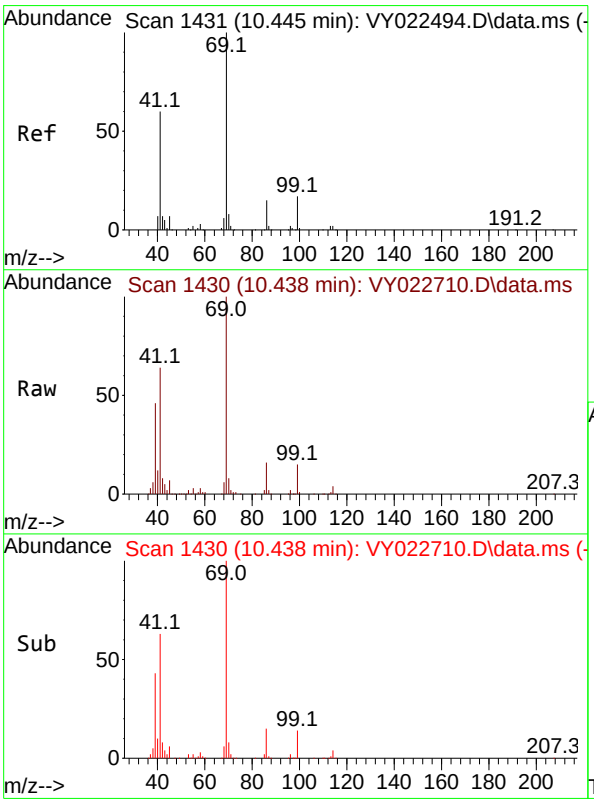
#55
1,1,2-Trichloroethane
Concen: 53.099 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 60981

Ion	Ratio	Lower	Upper
97	100		
83	88.5	68.1	102.1
85	55.5	48.2	72.2
99	63.3	49.5	74.3

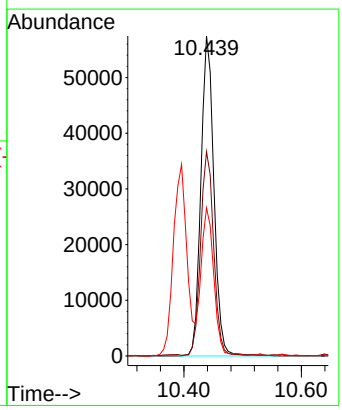


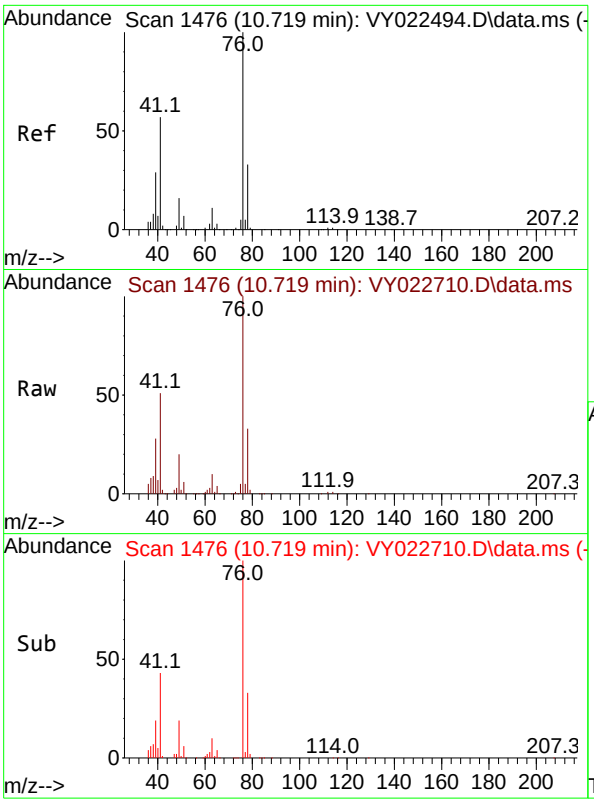


#56
Ethyl methacrylate
Concen: 53.077 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 69 Resp: 88101

Ion	Ratio	Lower	Upper
69	100		
41	63.8	52.2	78.2
39	44.5	36.7	55.1



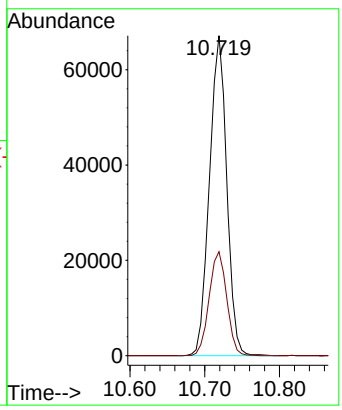


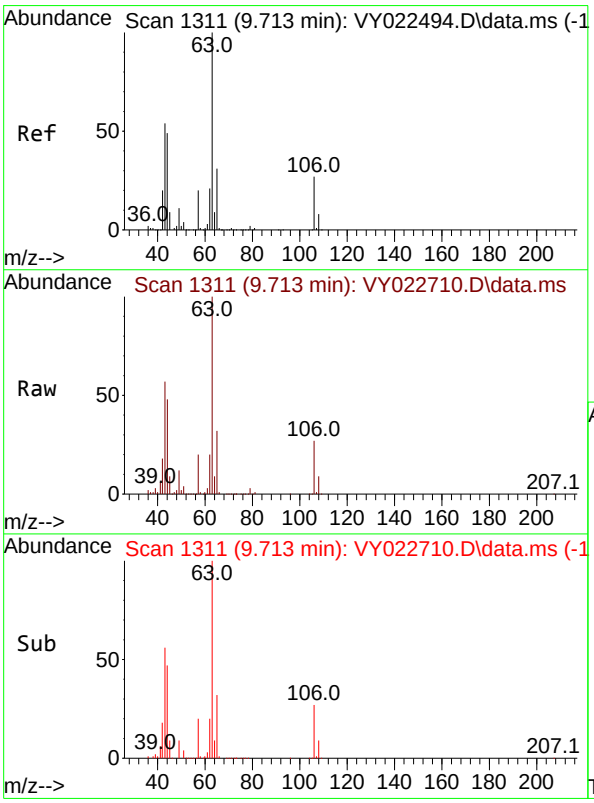
#57
1,3-Dichloropropane
Concen: 53.030 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 107943

Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.8	38.8

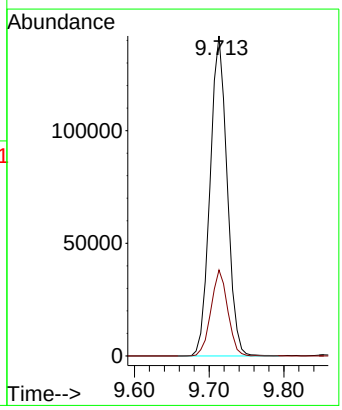


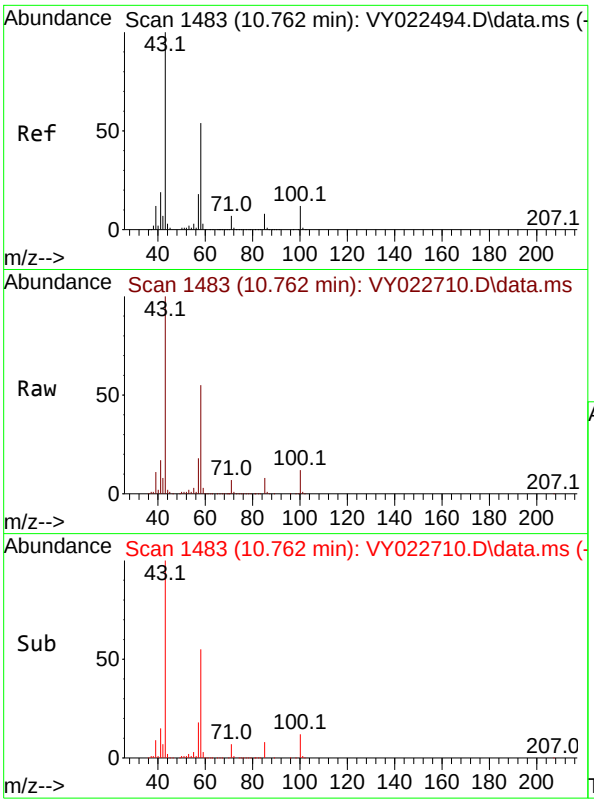


#58
2-Chloroethyl Vinyl ether
Concen: 298.467 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 63 Resp: 224931

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.6	32.4



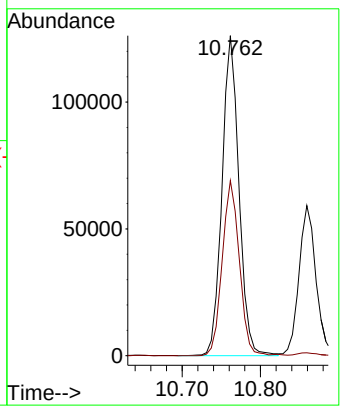


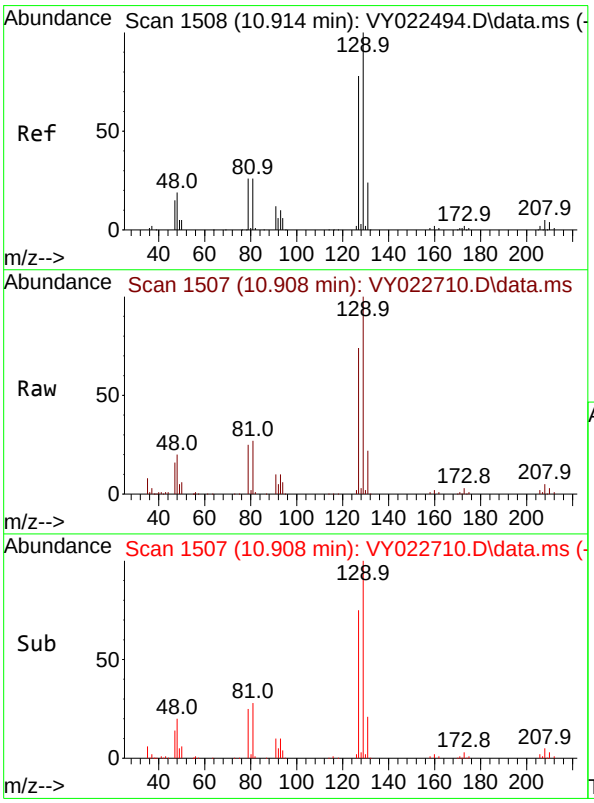
#59
2-Hexanone
Concen: 257.533 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 189682

Ion	Ratio	Lower	Upper
43	100		
58	55.5	27.3	81.8

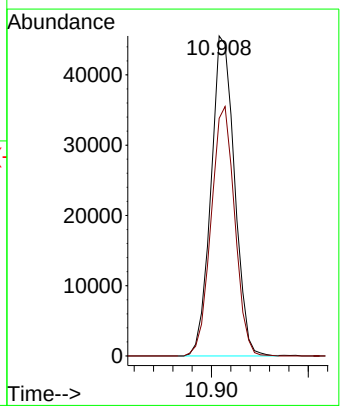


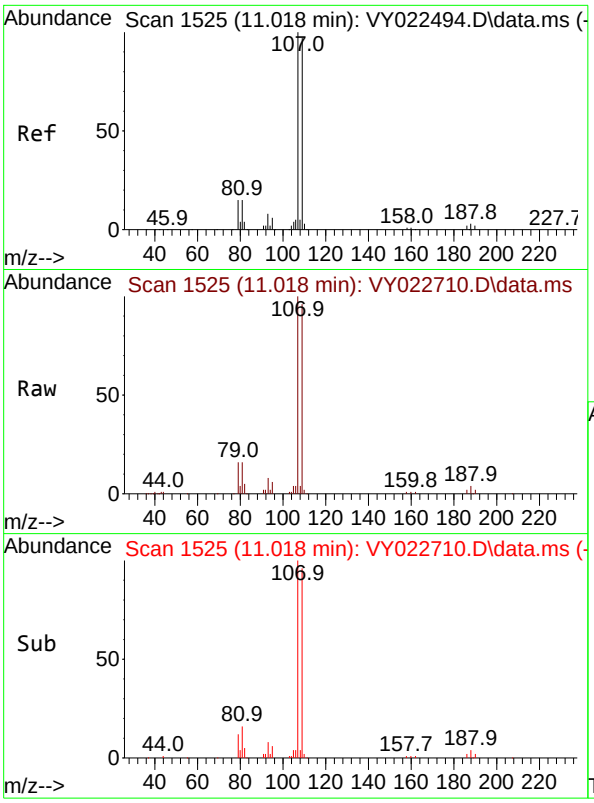


#60
Dibromochloromethane
Concen: 52.685 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:129 Resp: 76892

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.2



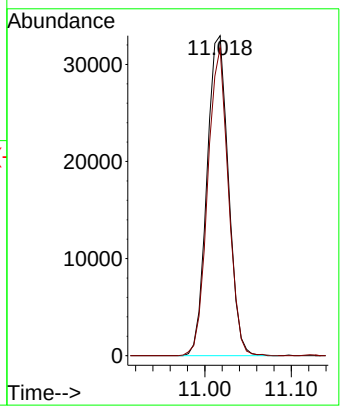


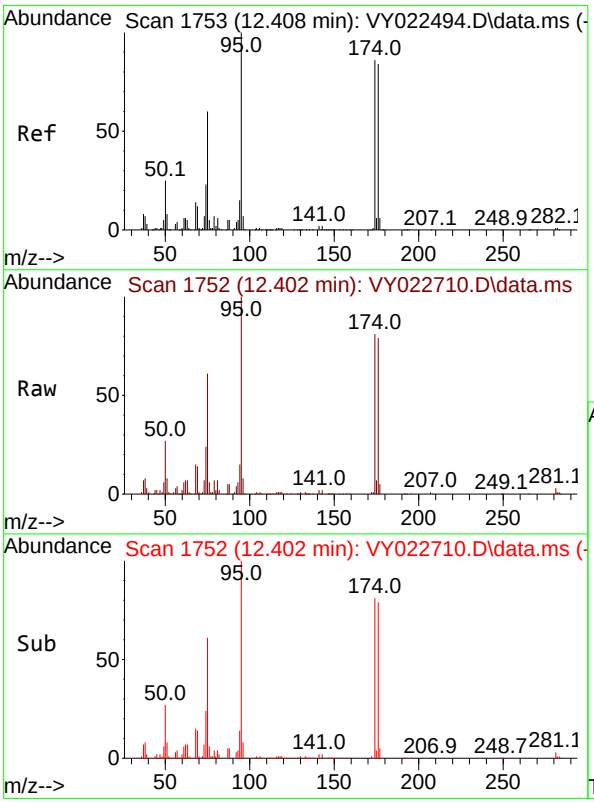
#61
1,2-Dibromoethane
Concen: 54.081 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 56609

Ion	Ratio	Lower	Upper
107	100		
109	92.6	77.7	116.5

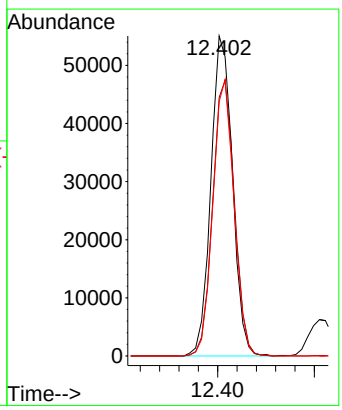


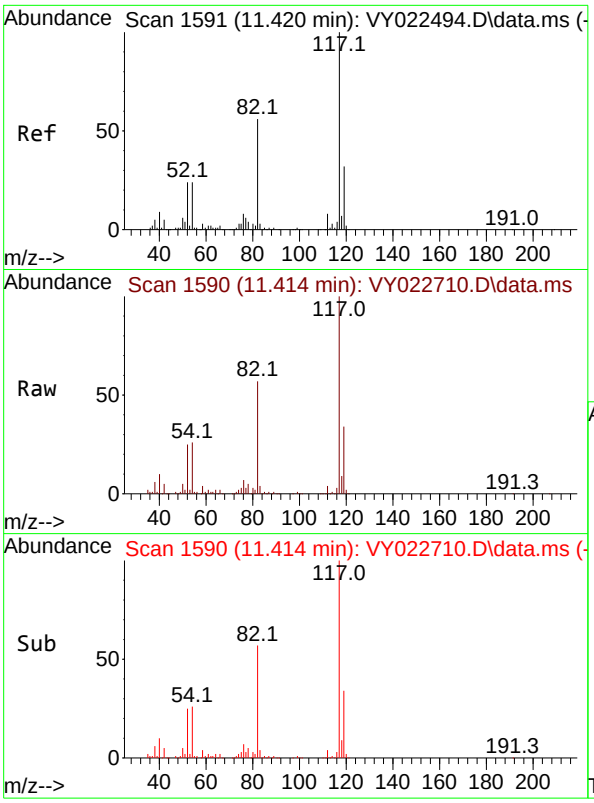


#62
4-Bromofluorobenzene
Concen: 49.999 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 95 Resp: 85060

Ion	Ratio	Lower	Upper
95	100		
174	86.9	0.0	170.0
176	84.6	0.0	166.2



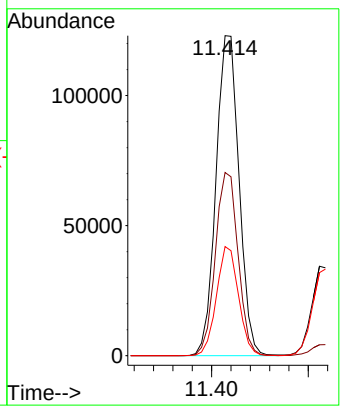


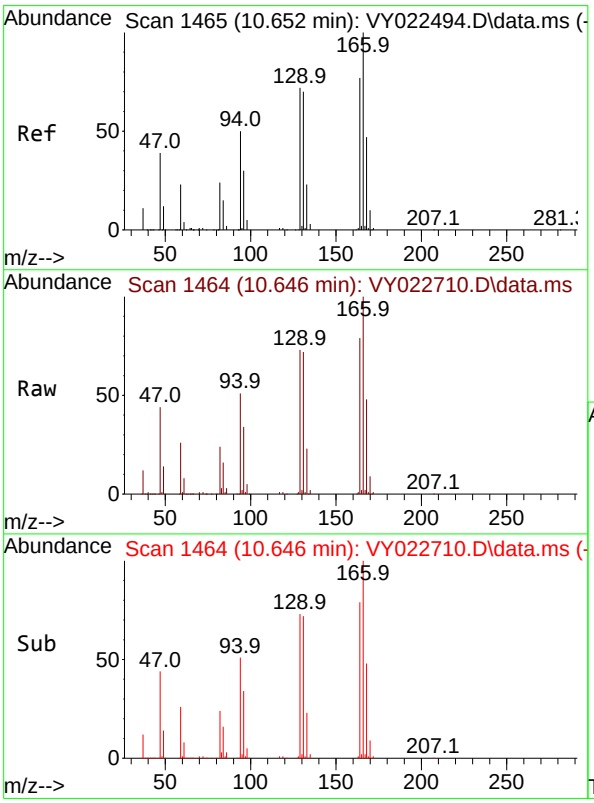
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 203484

Ion	Ratio	Lower	Upper
117	100		
82	57.2	44.6	66.8
119	34.1	25.4	38.0

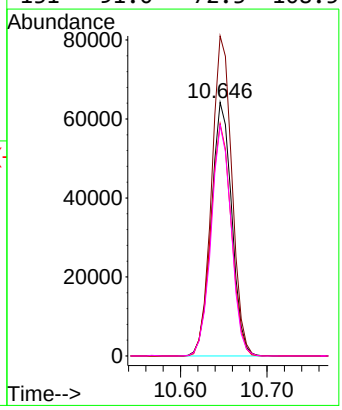


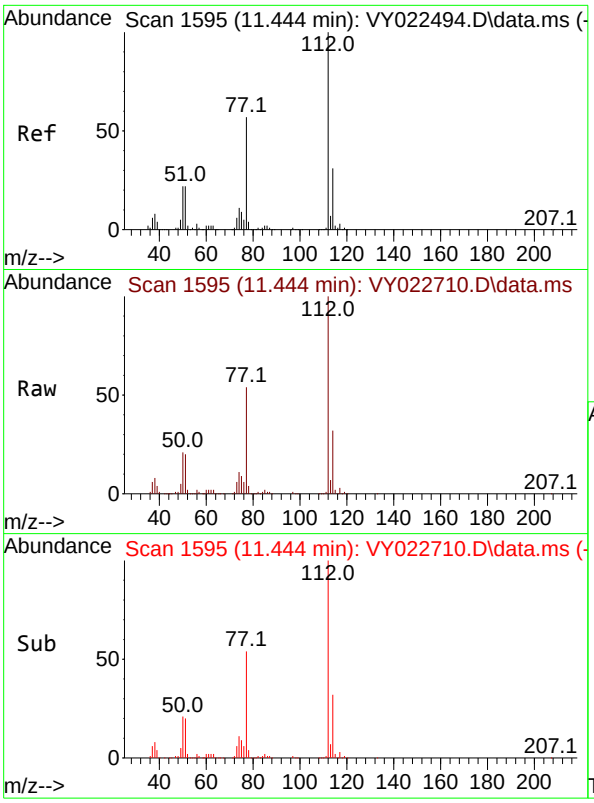


#64
Tetrachloroethene
Concen: 60.495 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:164 Resp: 105891

Ion	Ratio	Lower	Upper
164	100		
166	126.2	104.0	156.0
129	91.6	74.5	111.7
131	91.0	72.3	108.5



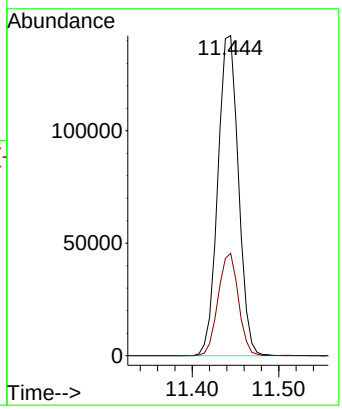


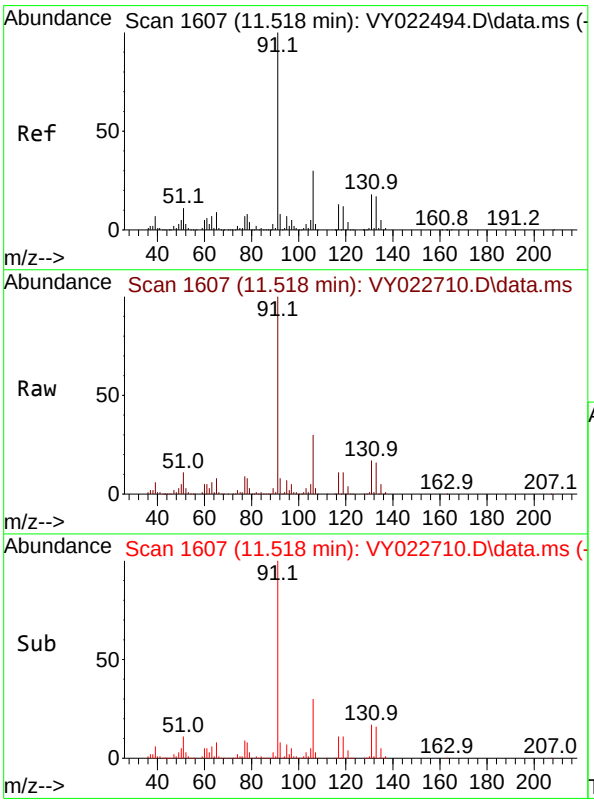
#65
Chlorobenzene
Concen: 52.235 ug/l
RT: 11.444 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 235204

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.0	37.6

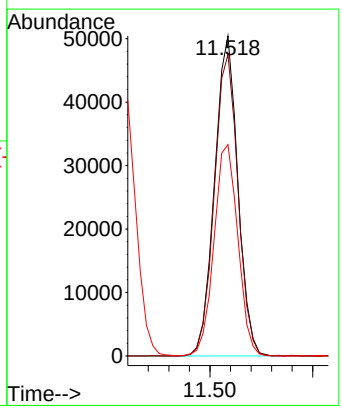


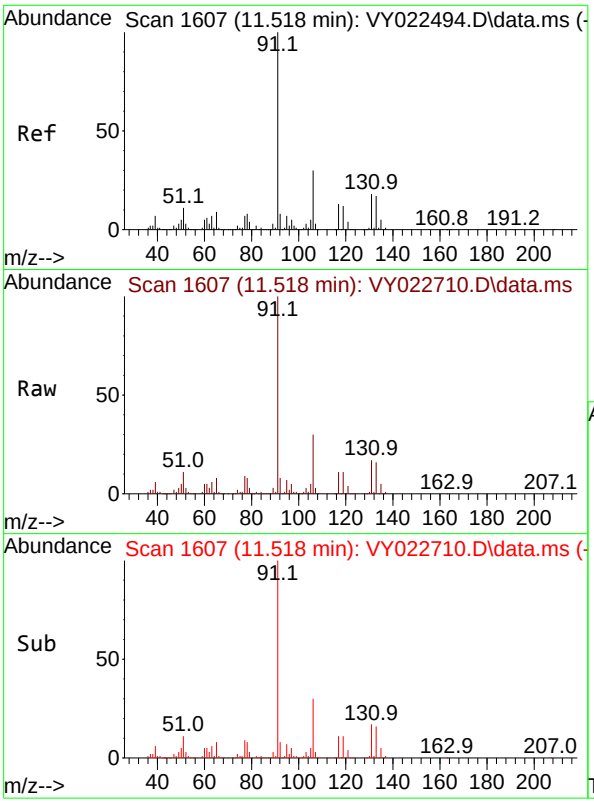


#66
1,1,1,2-Tetrachloroethane
Concen: 52.110 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:131 Resp: 79045

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.3	141.8
119	67.8	33.1	99.3



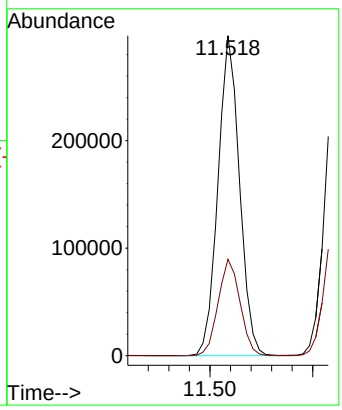


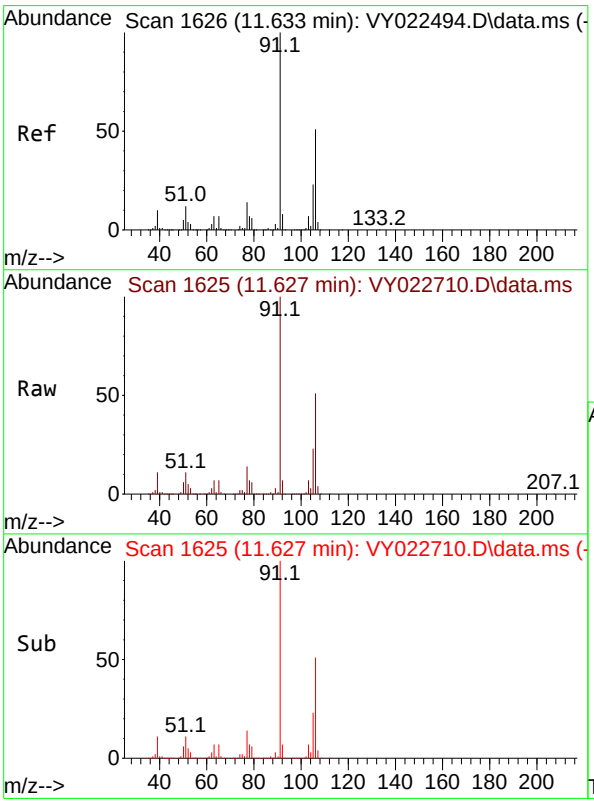
#67
Ethyl Benzene
Concen: 51.668 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 431523

Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.2	36.4

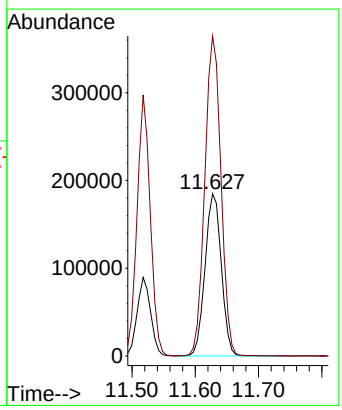


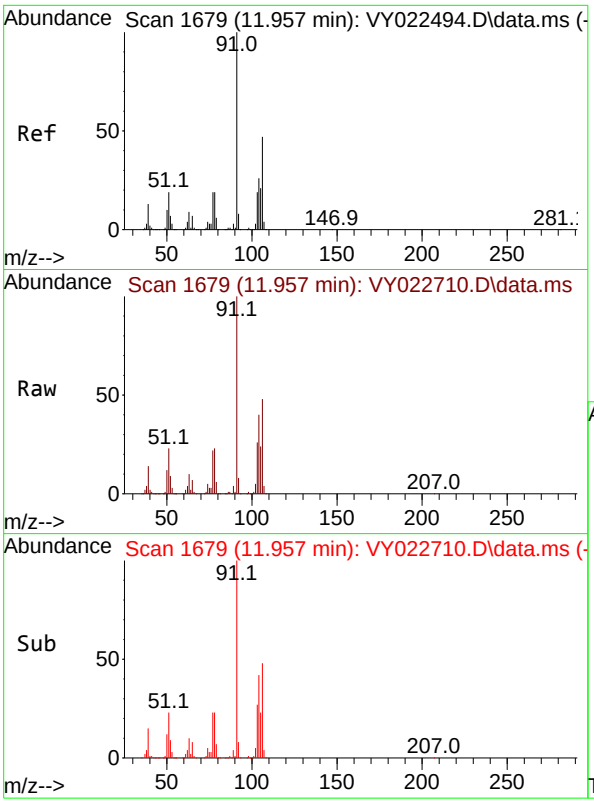


#68
m/p-Xylenes
Concen: 104.419 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:106 Resp: 330599

Ion	Ratio	Lower	Upper
106	100		
91	195.9	159.4	239.0



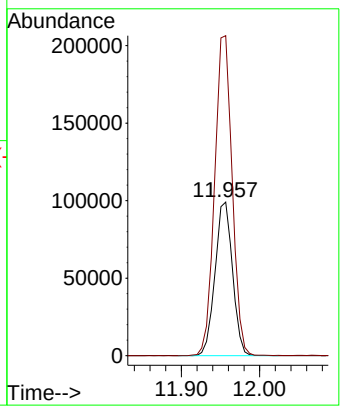


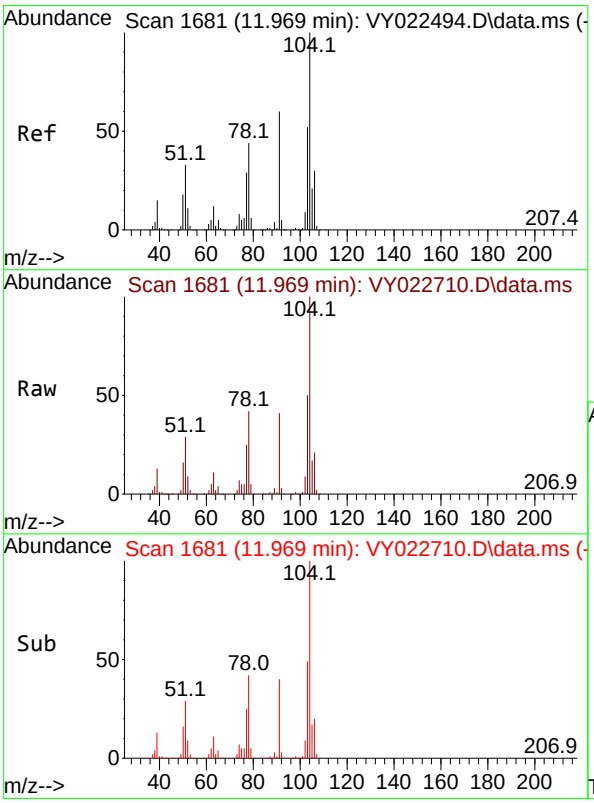
#69
o-Xylene
Concen: 51.787 ug/l
RT: 11.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 153726

Ion	Ratio	Lower	Upper
106	100		
91	209.4	105.8	317.3

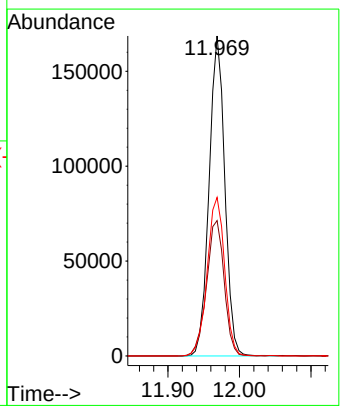


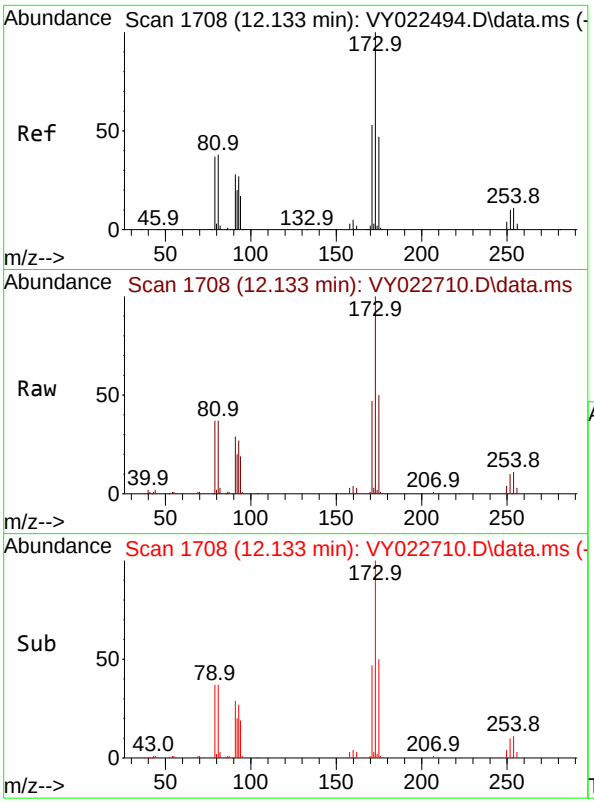


#70
Styrene
Concen: 52.478 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:104 Resp: 257498

Ion	Ratio	Lower	Upper
104	100		
78	47.6	39.5	59.3
103	54.9	44.1	66.1



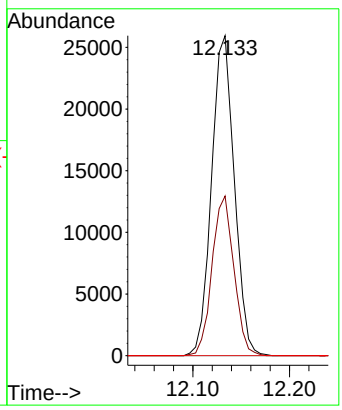


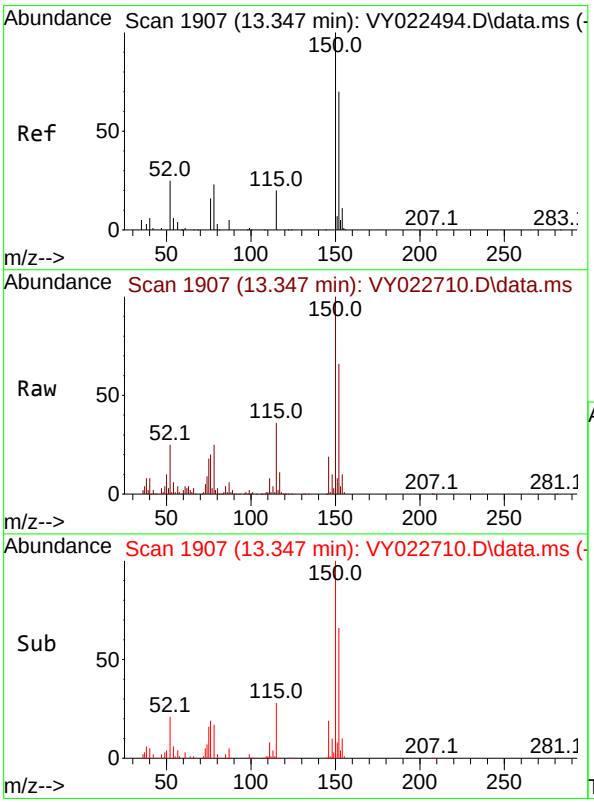
#71
Bromoform
Concen: 52.550 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 42419

Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.8	71.5
254	0.0	0.0	0.0

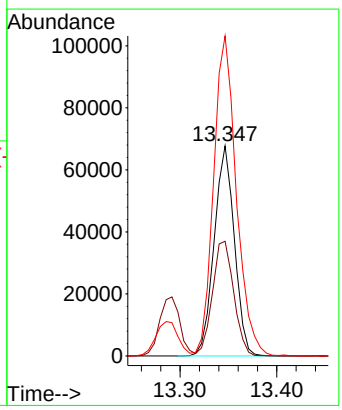


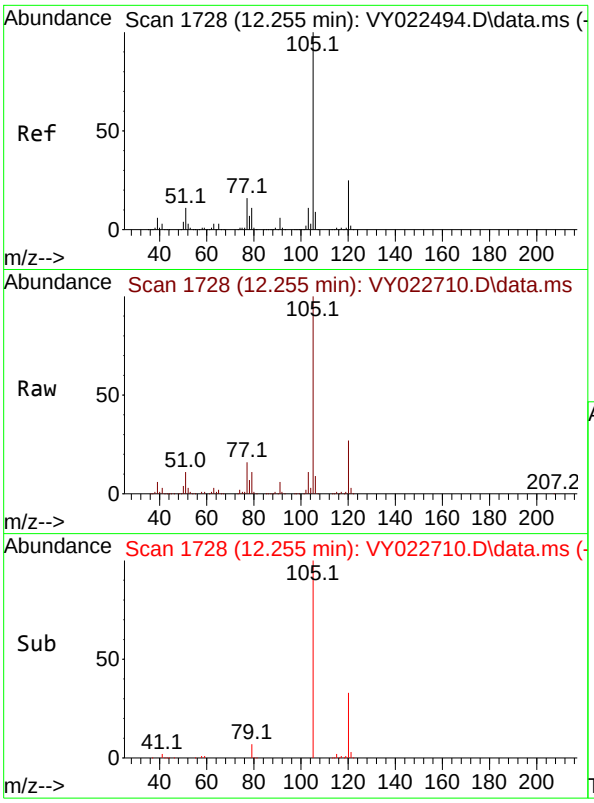


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:152 Resp: 98158

Ion	Ratio	Lower	Upper
152	100		
115	57.5	28.9	86.7
150	171.6	0.0	349.6



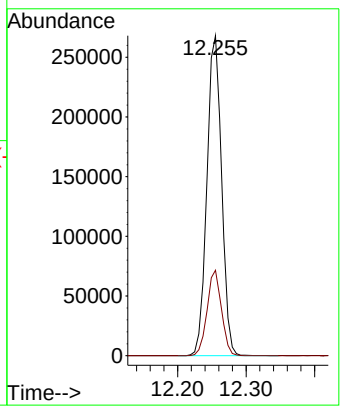


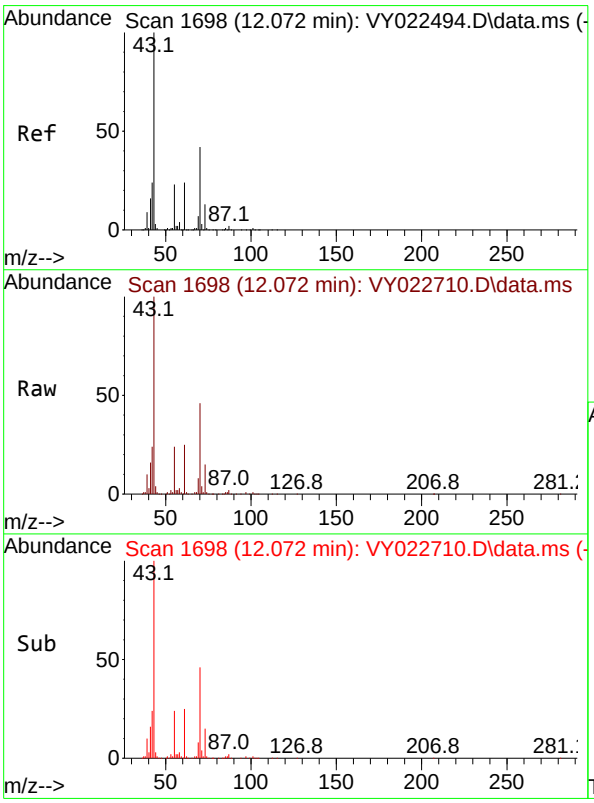
#73
Isopropylbenzene
Concen: 49.592 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 399654

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.0	38.9

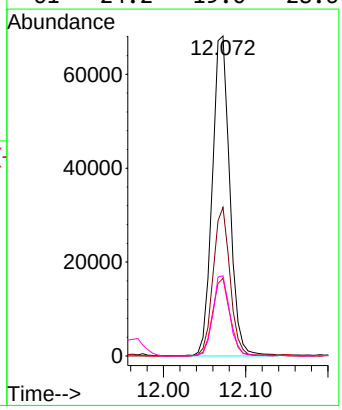


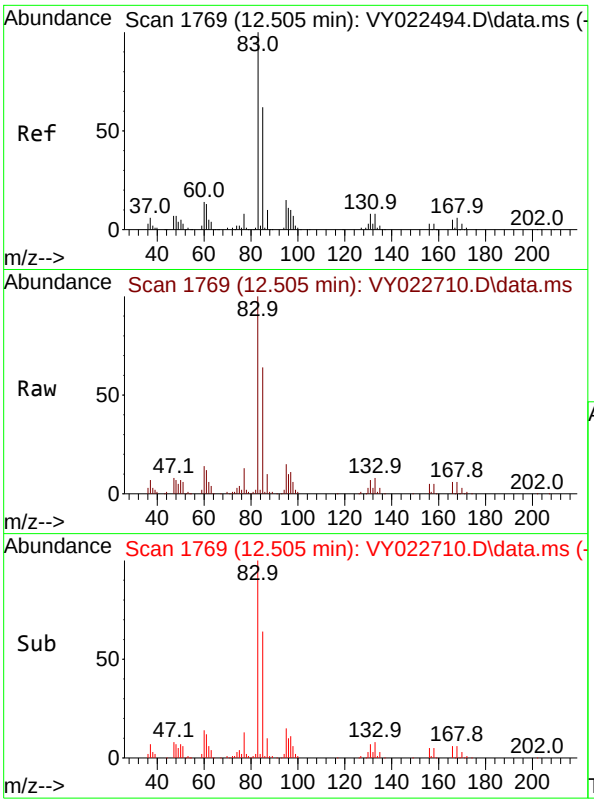


#74
N-amyl acetate
Concen: 49.690 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 43 Resp: 101040

Ion	Ratio	Lower	Upper
43	100		
70	44.9	34.2	51.2
55	23.9	18.2	27.4
61	24.2	19.0	28.6



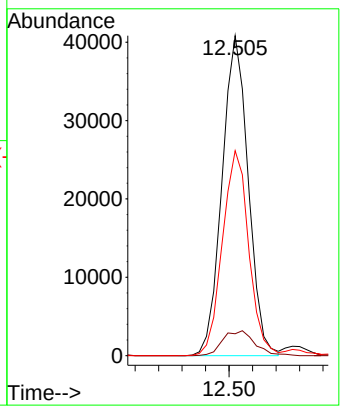


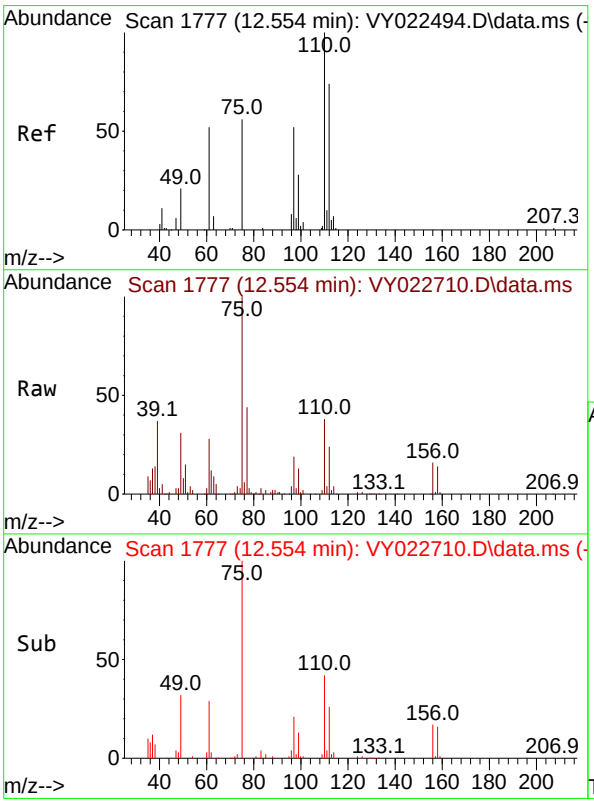
#75
1,1,2,2-Tetrachloroethane
Concen: 47.785 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 63203

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.9	14.7
85	64.4	32.6	97.8

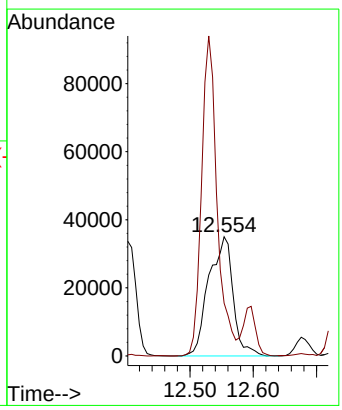


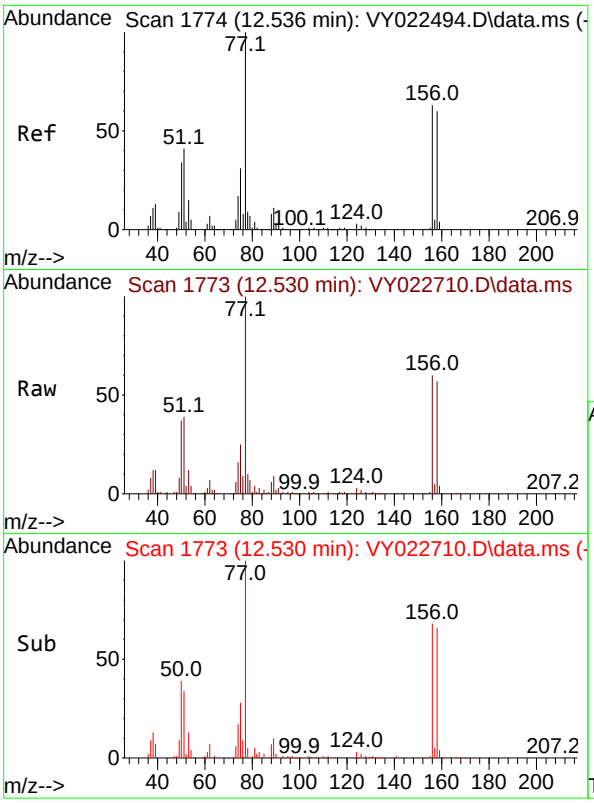


#76
1,2,3-Trichloropropane
Concen: 83.261 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 75 Resp: 93499

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



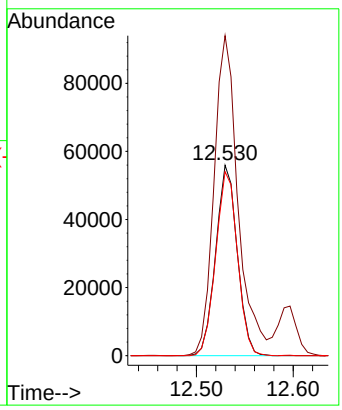


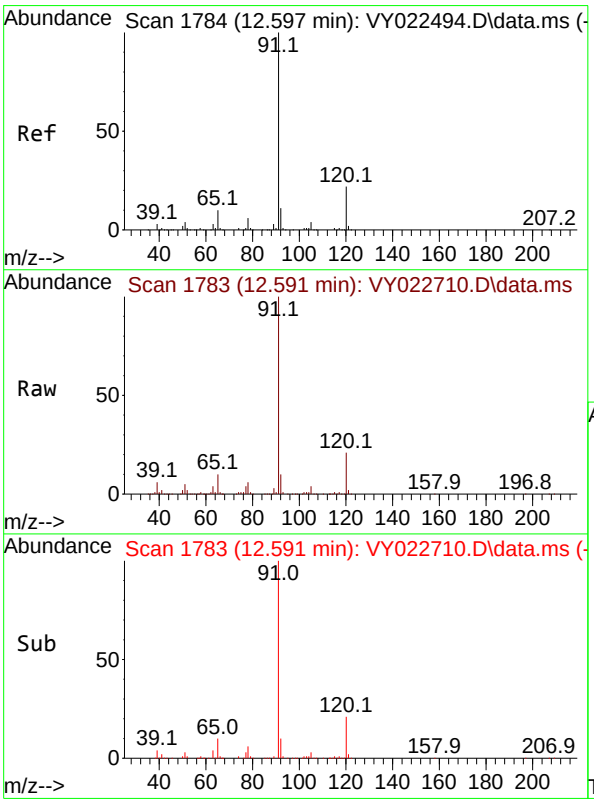
#77
Bromobenzene
Concen: 50.813 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 86412

Ion	Ratio	Lower	Upper
156	100		
77	187.0	94.0	282.1
158	97.6	48.2	144.6

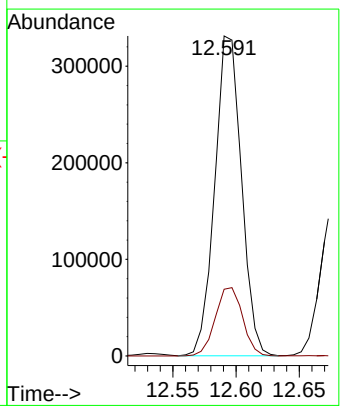


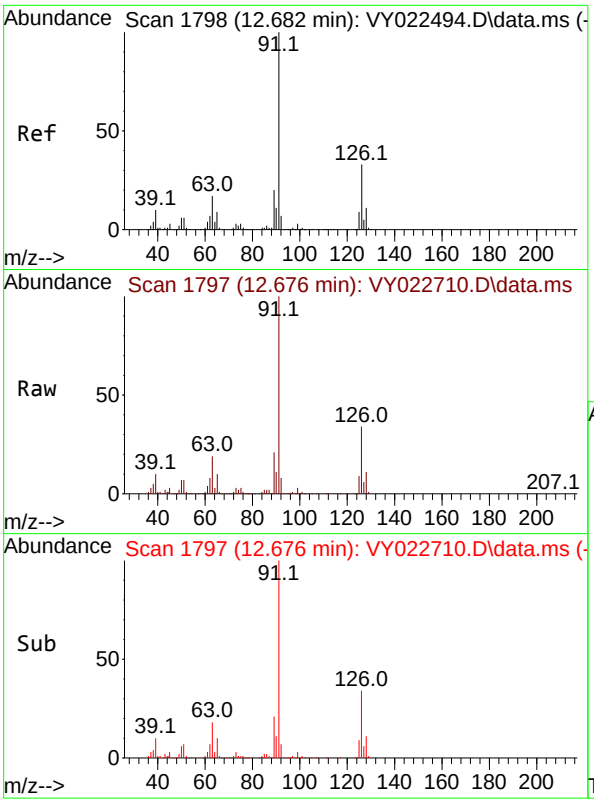


#78
n-propylbenzene
Concen: 49.320 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 91 Resp: 485449

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.8	32.4



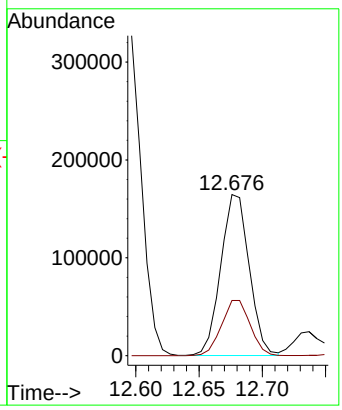


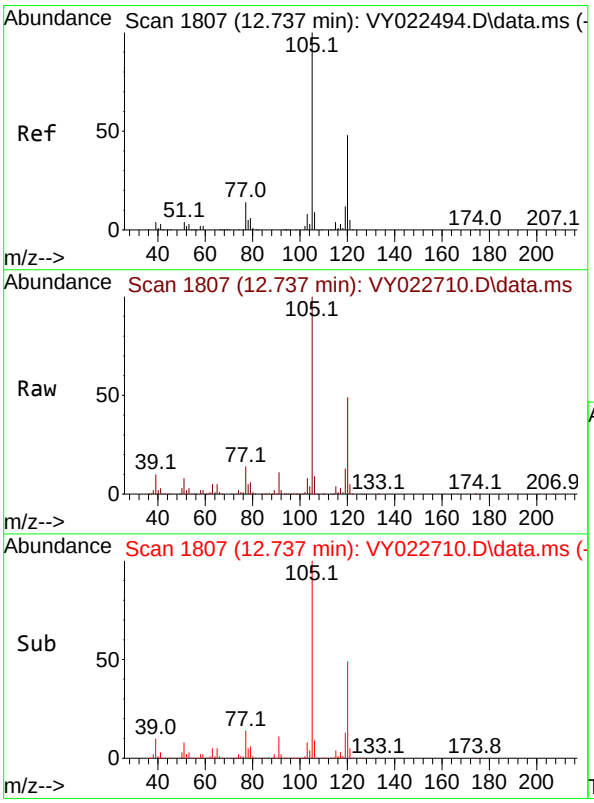
#79
2-Chlorotoluene
Concen: 49.309 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 257235

Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.0	51.0

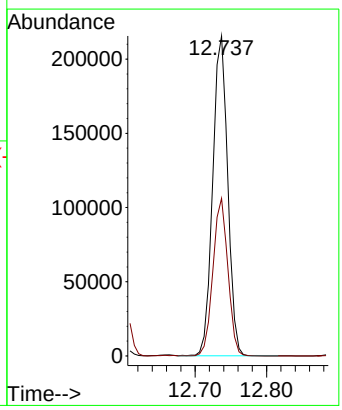


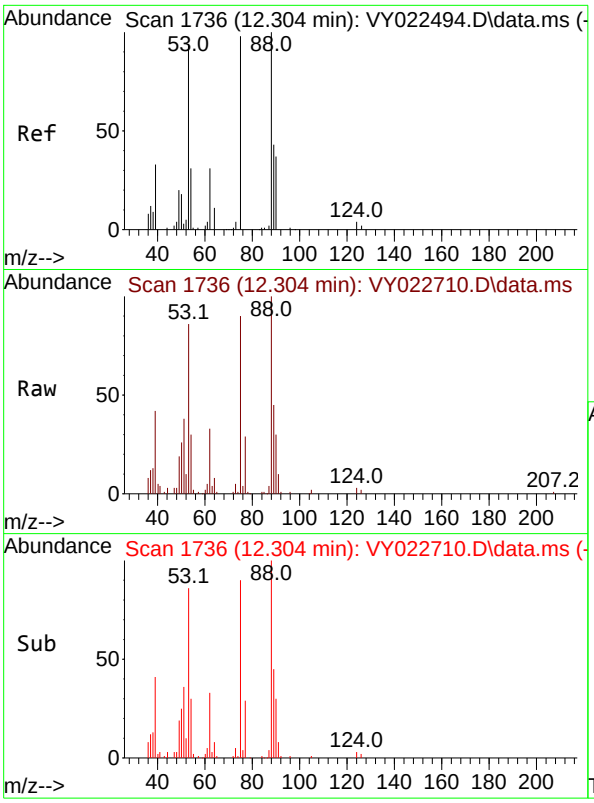


#80
1,3,5-Trimethylbenzene
Concen: 49.564 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:105 Resp: 313586

Ion	Ratio	Lower	Upper
105	100		
120	49.1	24.1	72.4



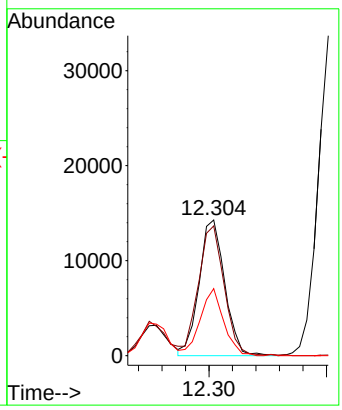


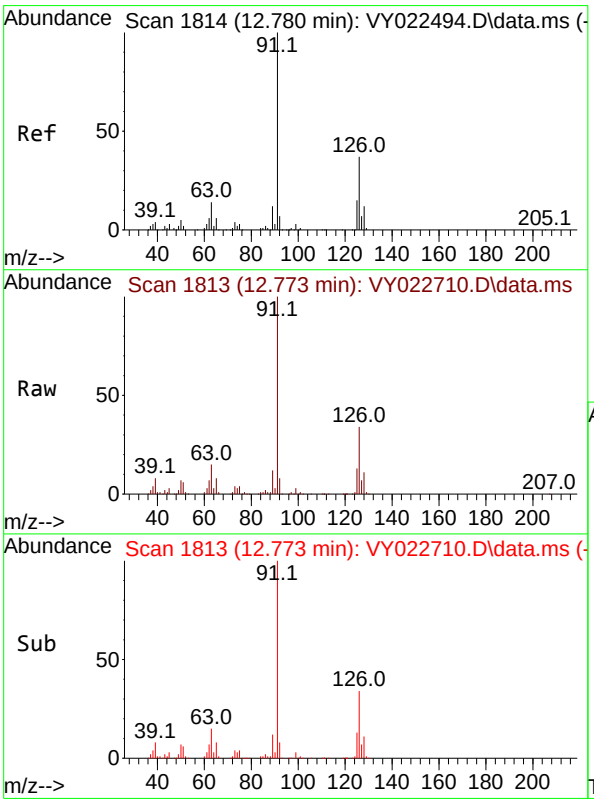
#81
trans-1,4-Dichloro-2-butene
Concen: 46.511 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 21628

Ion	Ratio	Lower	Upper
75	100		
53	95.2	78.5	117.7
89	45.5	35.7	53.5

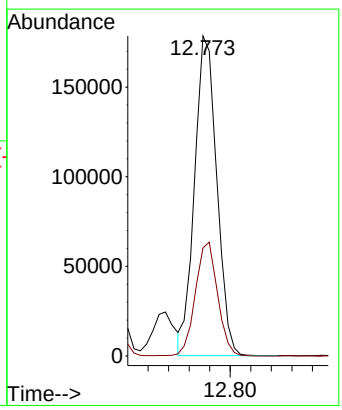


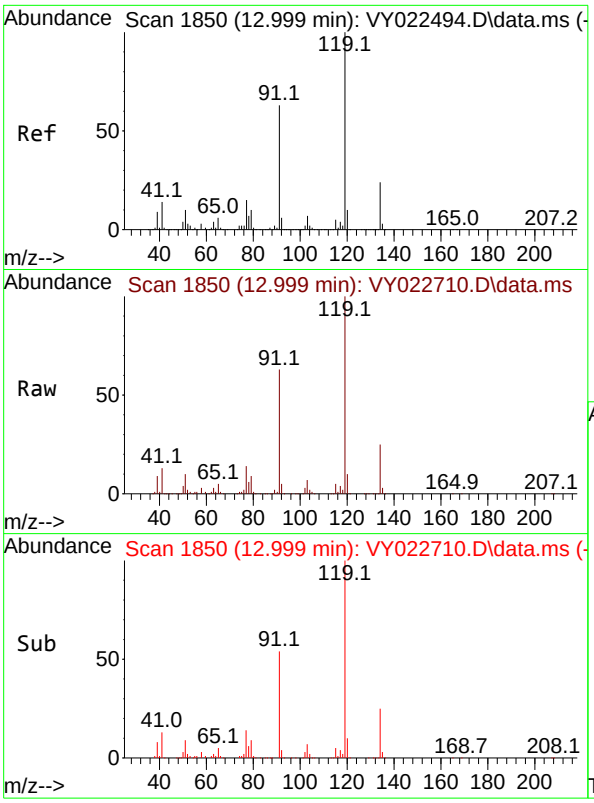


#82
4-Chlorotoluene
Concen: 49.849 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 91 Resp: 268269

Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.0	50.9



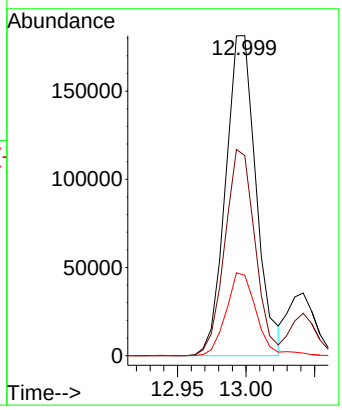


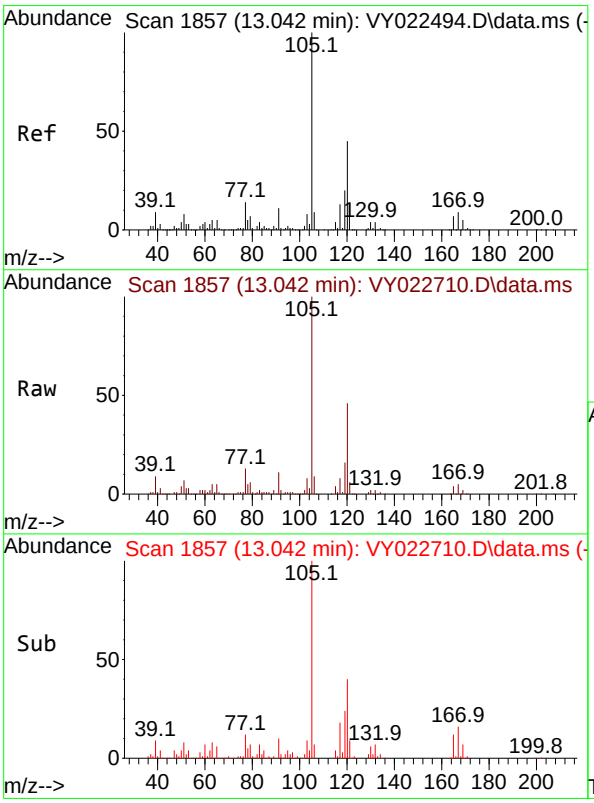
#83
tert-Butylbenzene
Concen: 49.473 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 280929

Ion	Ratio	Lower	Upper
119	100		
91	63.9	32.1	96.3
134	25.8	13.0	38.9

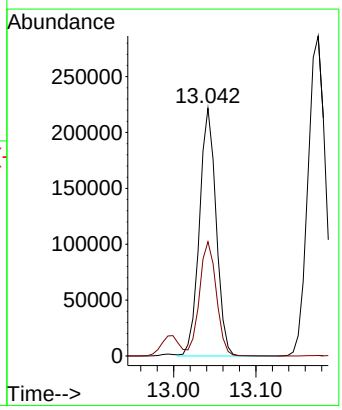


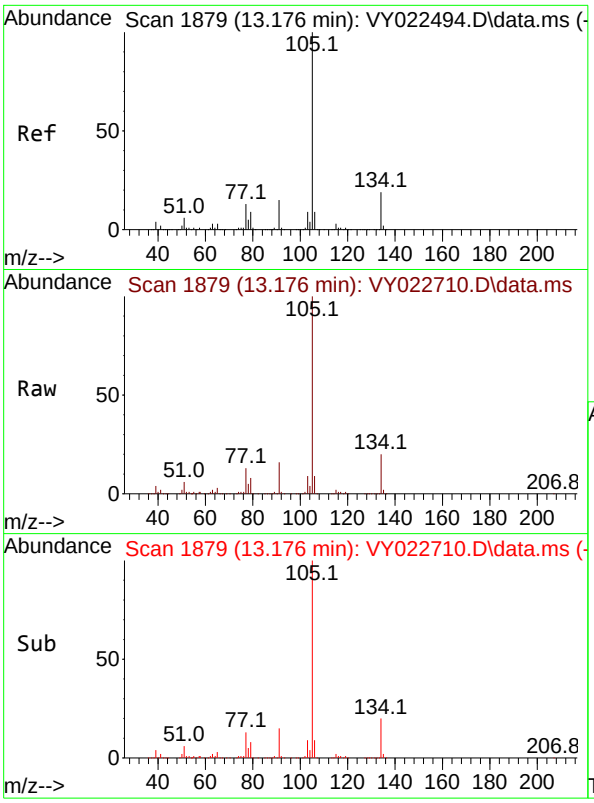


#84
1,2,4-Trimethylbenzene
Concen: 49.294 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:105 Resp: 311927

Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.7	68.1



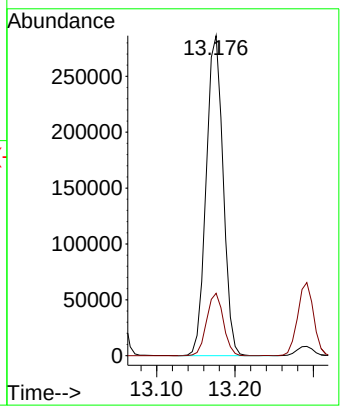


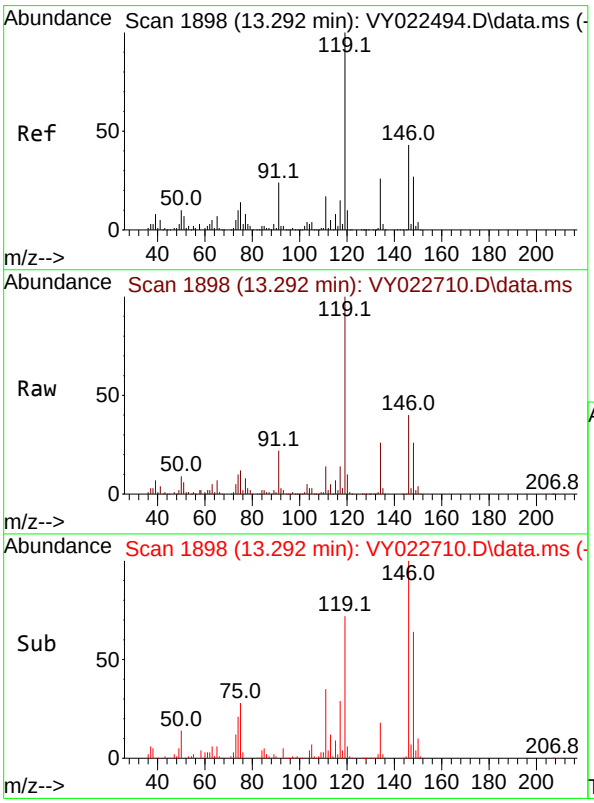
#85
sec-Butylbenzene
Concen: 49.273 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 428513

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9

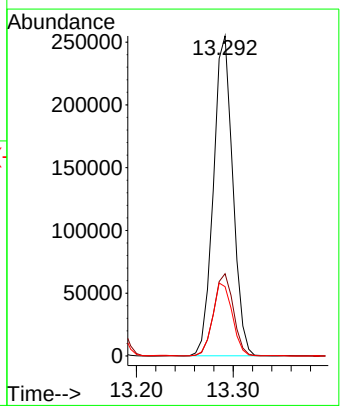


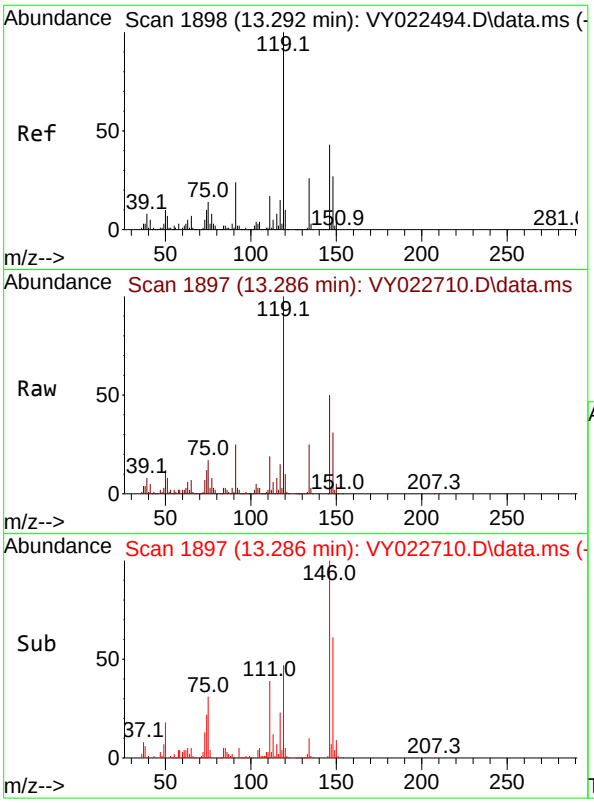


#86
p-Isopropyltoluene
Concen: 49.331 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:119 Resp: 353631

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	23.0	11.6	34.8



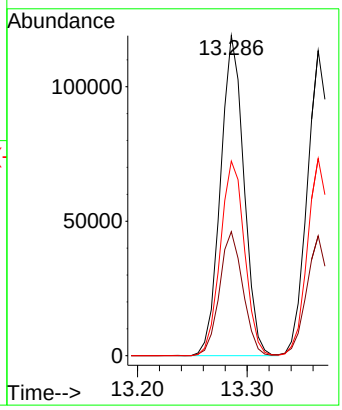


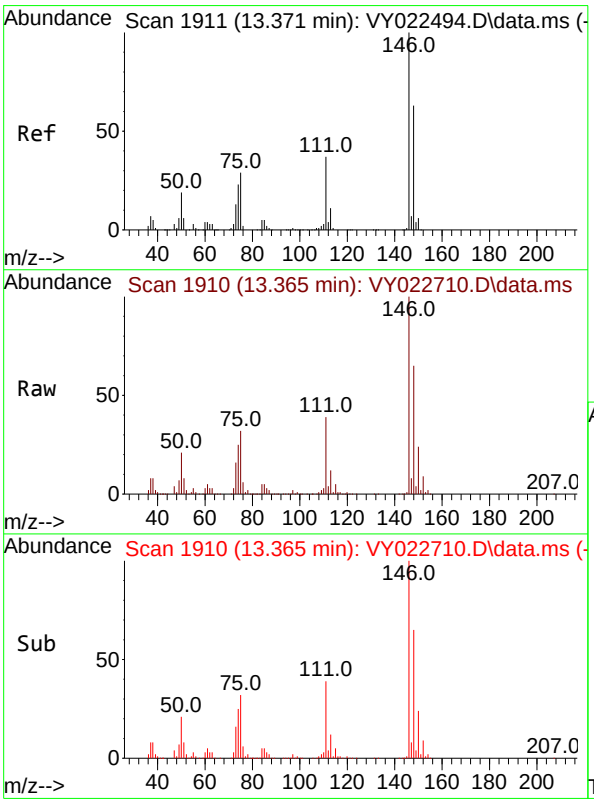
#87
1,3-Dichlorobenzene
Concen: 51.283 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 176700

Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.1	60.2
148	62.8	32.1	96.3

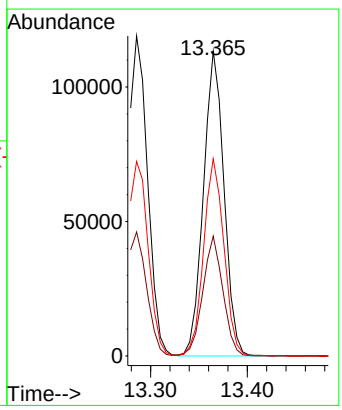


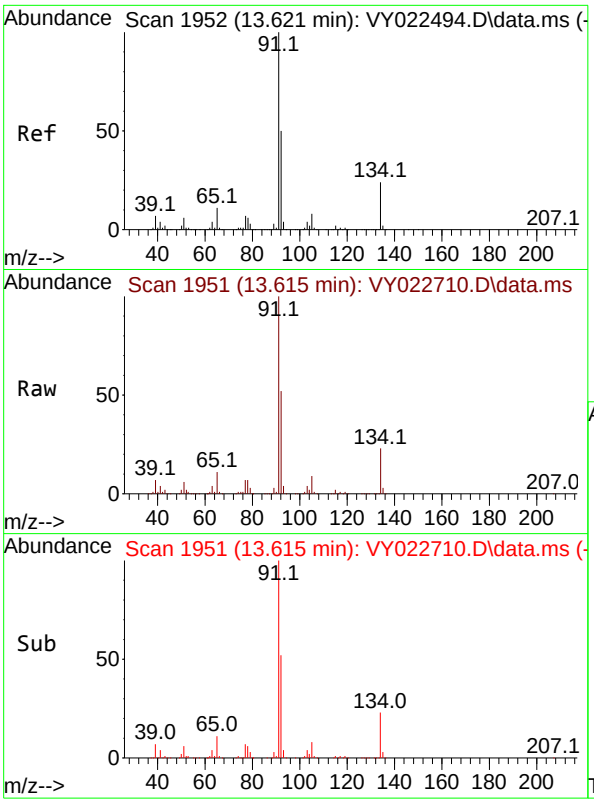


#88
1,4-Dichlorobenzene
Concen: 50.264 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:146 Resp: 167976

Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.4	58.2
148	63.9	31.6	94.8



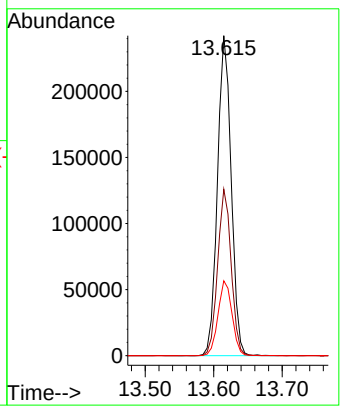


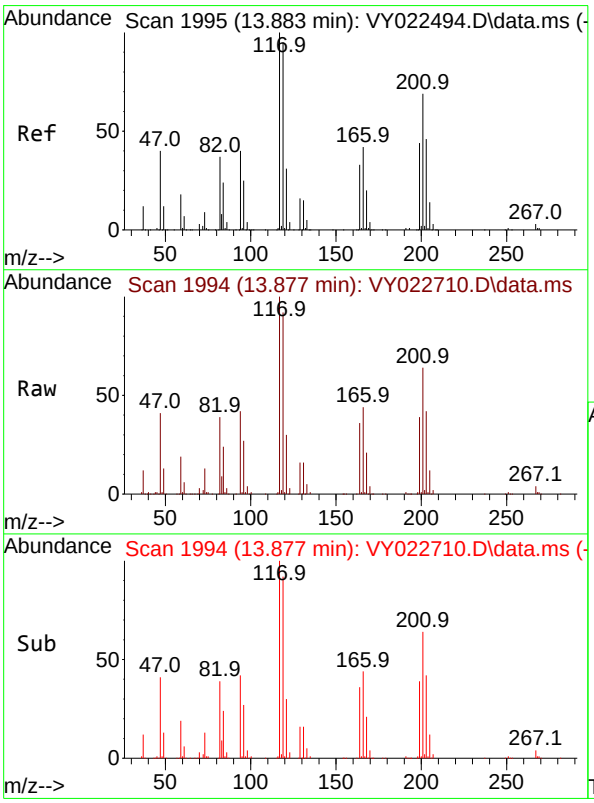
#89
n-Butylbenzene
Concen: 49.325 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 335470

Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.9	77.8
134	23.9	12.0	36.1

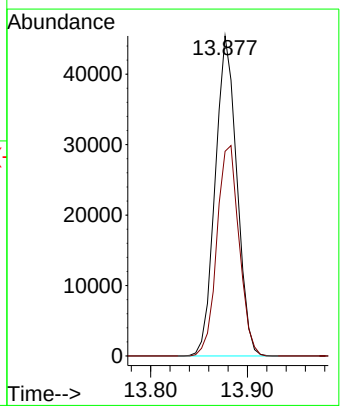


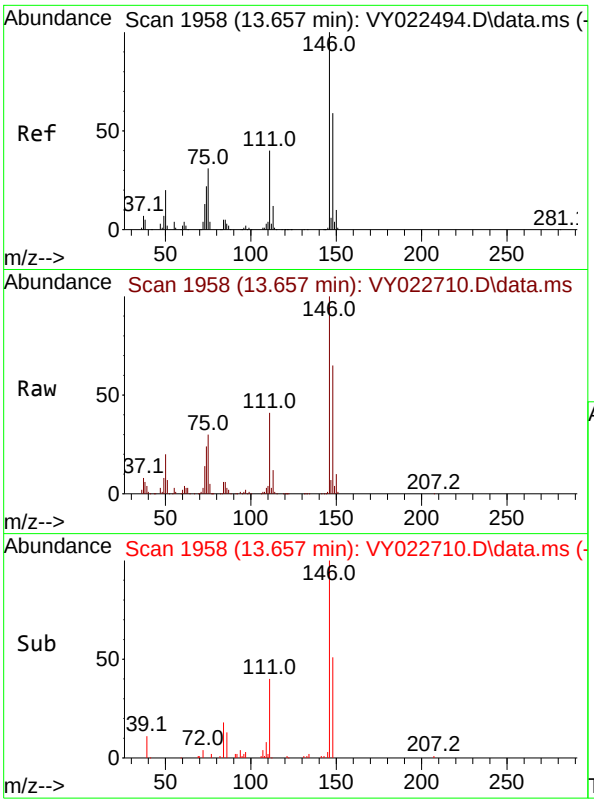


#90
Hexachloroethane
Concen: 50.519 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:117 Resp: 70503

Ion	Ratio	Lower	Upper
117	100		
201	67.5	34.0	102.0



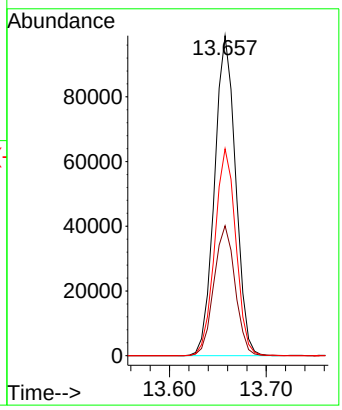


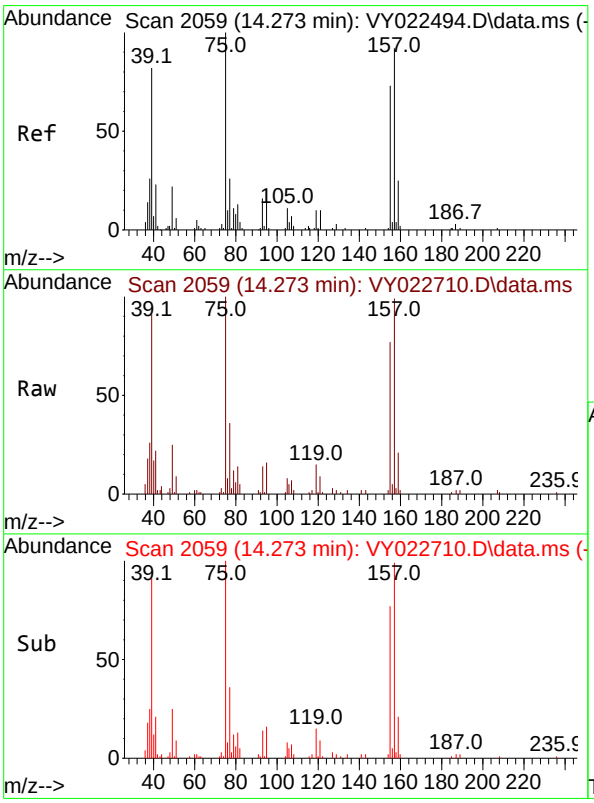
#91
1,2-Dichlorobenzene
Concen: 51.198 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 149774

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.2	60.6
148	64.6	31.4	94.0

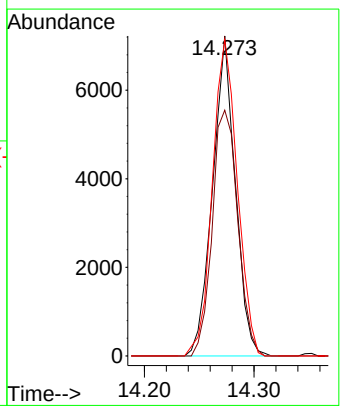


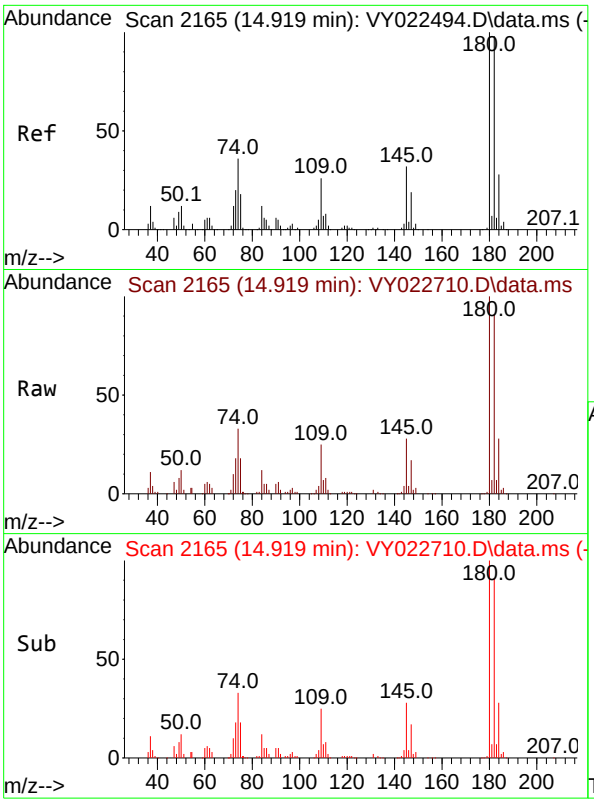


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.027 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion: 75 Resp: 10404

Ion	Ratio	Lower	Upper
75	100		
155	86.1	39.9	119.6
157	108.2	54.0	162.0



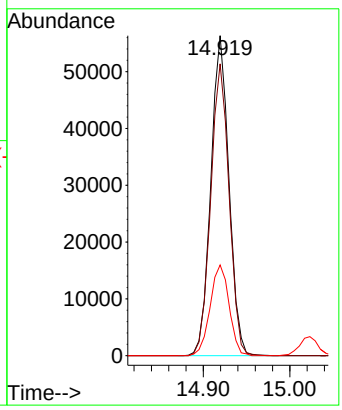


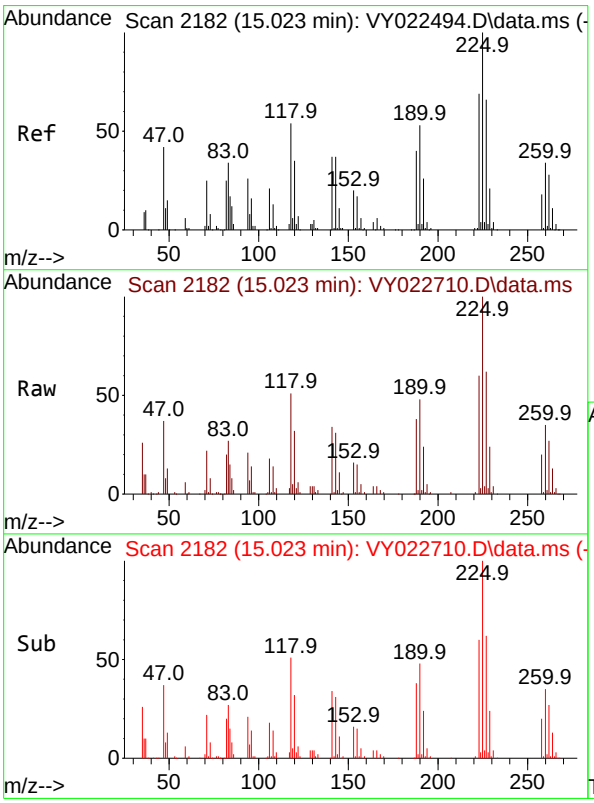
#93
1,2,4-Trichlorobenzene
Concen: 51.284 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 81823

Ion	Ratio	Lower	Upper
180	100		
182	92.3	48.4	145.3
145	29.7	15.5	46.5

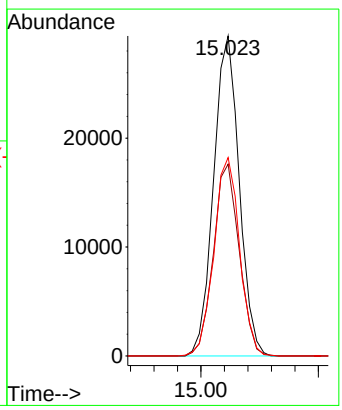


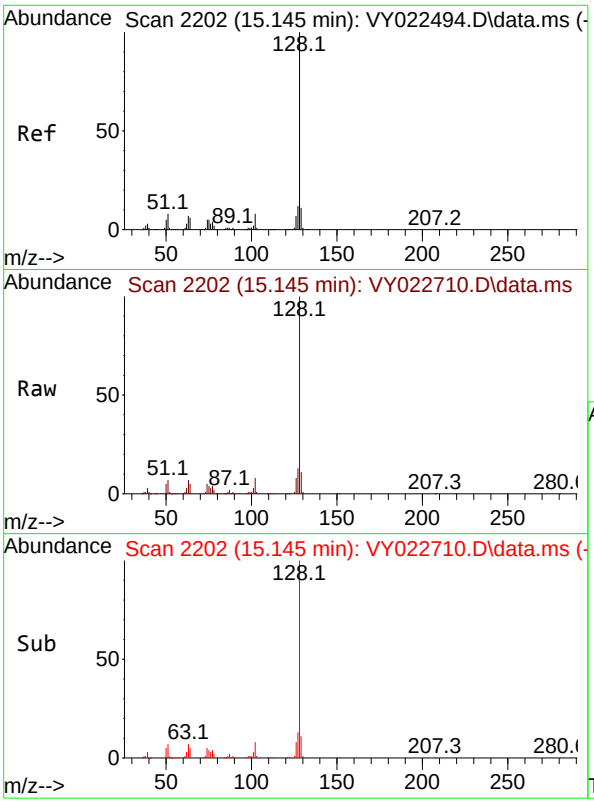


#94
Hexachlorobutadiene
Concen: 50.440 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:225 Resp: 44418

Ion	Ratio	Lower	Upper
225	100		
223	60.5	32.5	97.4
227	62.2	32.3	96.9



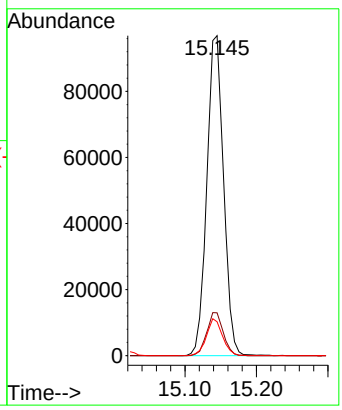


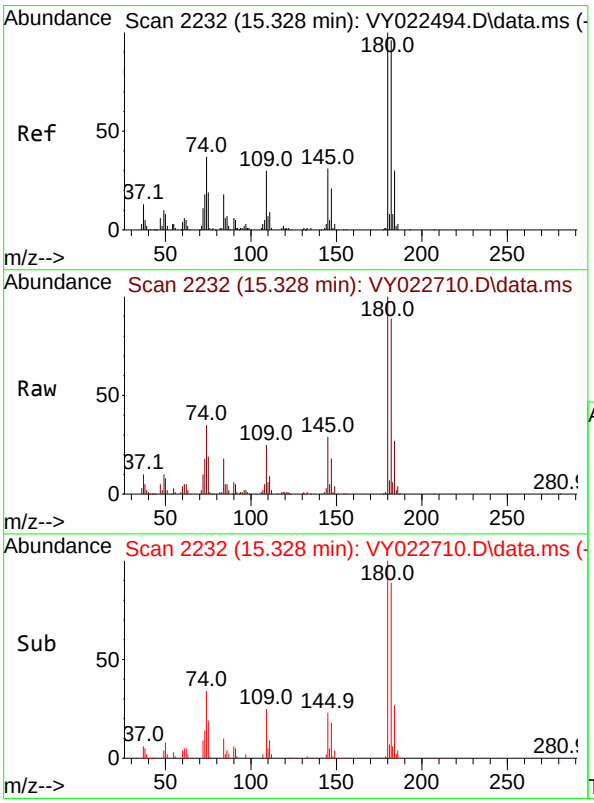
#95
Naphthalene
Concen: 51.437 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 157488

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.1	8.9	13.3





#96
1,2,3-Trichlorobenzene
Concen: 50.592 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022710.D
Acq: 16 Jun 2025 16:55

Tgt Ion:180 Resp: 69177

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.1	141.3
145	30.0	15.2	45.6

