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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : CTO WE13

TETRA TECH NUS, INC.

661 Andersen Drive

Suite 200

Pittsburgh, PA - 15220-2745

Phone No: 412-921-7090

ORDER ID : P5283

ATTENTION : Ernie Wu

Laboratory Certification ID # 20012

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Cover Page

Order ID : P5283

Project ID : CTO WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
P5283-01	TT-TB-20241213
P5283-02	TT-RW10A-IDWGW-20241213

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: 12/20/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: CTO WE13
Project Manager : Ernie Wu
Chemtech Project # P5283
Test Name: VOCMS Group4

A. Number of Samples and Date of Receipt:
2 Water samples were received on 12/13/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, PCB, pH and VOCMS Group4. This data package contains results for VOCMS Group4.

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 of VOCMS Group4 was based on method 624.1.

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 met criteria .
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 met the requirements .
The Tuning criteria met requirements.

E. Additional Comments:
The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is)."
The SDG P5283 is logged for VOCMS group4. Lab not certified for Hexachloroethane, Iodomethane, Methyl Methacrylate and tert-Butylbenzene compounds for 624.1 method.

"As per method 624.1, MS/MSD is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD therefore MS/MSD were not performed for this project. However, Lab has performed LCS/LCSD instead."

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The not QT review data is reported in the Miscellaneous.

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 <35% 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 > 35% 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

CHEMTECH PROJECT NUMBER: P5283 MATRIX: Water

METHOD: 624.1

		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 met the requirements .			✓
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. The Surrogate recoveries met the acceptable criteria.		✓	
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓
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:			✓

ADDITIONAL COMMENTS:

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

The SDG P5283 is logged for VOCMS group4. Lab not certified for Hexachloroethane, Iodomethane, Methyl Methacrylate and tert-Butylbenzene compounds for 624.1 method.

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

NA NO YES

"As per method 624.1, MS/MSD is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD therefore MS/MSD were not performed for this project. However, Lab has performed LCS/LCSD instead."

The not QT review data is reported in the Miscellaneous.

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 <35% 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 > 35% for the Initial Calibration curve for SW-846 analysis.

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P5283

	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:** 12/20/2024

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LAB CHRONICLE

OrderID:	P5283	**OrderDate:**	12/13/2024 1:07:00 PM
Client:	Tetra Tech NUS, Inc.	**Project:**	CTO WE13
Contact:	Ernie Wu	**Location:**	L61,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5283-01	**TT-TB-20241213**	**Water**			**12/13/24**			**12/13/24**
			VOCMS Group4	624.1			12/16/24	
P5283-02	**TT-RW10A-IDWGW-20241213**	**Water**			**12/13/24**			**12/13/24**
			VOCMS Group4	624.1			12/16/24	

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Hit Summary Sheet
SW-846

SDG No.: P5283

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:								
				0				

Total Voc :

Total Concentration:

QC SUMMARY

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

SDG No.: P5283

Client: Tetra Tech NUS, Inc.

Analytical Method: SW624.1

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P5283-01	TT-TB-20241213	1,2-Dichloroethane-d4	30	32.4	108	91	110
		Toluene-d8	30	27.9	93	91	112
		4-Bromofluorobenzene	30	24.8	82	63	112
P5283-02	TT-RW10A-IDWGW-20241213	1,2-Dichloroethane-d4	30	30.0	100	91	110
		Toluene-d8	30	28.7	96	91	112
		4-Bromofluorobenzene	30	24.3	81	63	112
VN1216WBL01	VN1216WBL01	1,2-Dichloroethane-d4	30	31.1	104	91	110
		Toluene-d8	30	29.2	97	91	112
		4-Bromofluorobenzene	30	25.2	84	63	112
VN1216WBS01	VN1216WBS01	1,2-Dichloroethane-d4	30	30.0	100	91	110
		Toluene-d8	30	29.7	99	91	112
		4-Bromofluorobenzene	30	29.7	99	63	112
VN1216WBSD0	VN1216WBSD01	1,2-Dichloroethane-d4	30	30.4	101	91	110
		Toluene-d8	30	29.0	97	91	112
		4-Bromofluorobenzene	30	30.0	100	63	112

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5283

Client: Tetra Tech NUS, Inc.

Analytical Method: SW624.1 **Datafile :** VN085208.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1216WBS01	Dichlorodifluoromethane	20	20.1	ug/L	101			72	118	
	Chloromethane	20	19.6	ug/L	98			1	205	
	Vinyl Chloride	20	19.3	ug/L	97			5	195	
	Bromomethane	20	20.0	ug/L	100			15	185	
	Chloroethane	20	19.9	ug/L	100			40	160	
	Trichlorofluoromethane	20	19.9	ug/L	100			50	150	
	1,1,2-Trichlorotrifluoroethane	20	19.0	ug/L	95			64	127	
	1,1-Dichloroethene	20	19.7	ug/L	99			50	150	
	Acrolein	100	110	ug/L	110			60	140	
	Acrylonitrile	100	93.1	ug/L	93			60	140	
	Acetone	100	100	ug/L	100			41	148	
	Carbon disulfide	20	19.1	ug/L	96			76	107	
	Methyl tert-butyl Ether	20	19.9	ug/L	100			82	114	
	Methyl Acetate	20	19.0	ug/L	95			63	139	
	Methylene Chloride	20	18.5	ug/L	93			60	140	
	trans-1,2-Dichloroethene	20	19.5	ug/L	98			70	130	
	1,1-Dichloroethane	20	19.6	ug/L	98			70	130	
	Cyclohexane	20	19.3	ug/L	97			79	113	
	2-Butanone	100	92.6	ug/L	93			69	129	
	Carbon Tetrachloride	20	19.0	ug/L	95			70	130	
	2,2-Dichloropropane	20	18.7	ug/L	94			62	139	
	cis-1,2-Dichloroethene	20	19.6	ug/L	98			81	112	
	Chloroform	20	19.8	ug/L	99			70	135	
	1,1,1-Trichloroethane	20	18.6	ug/L	93			70	130	
	Methylcyclohexane	20	18.7	ug/L	94			79	112	
	1,1-Dichloropropene	20	18.4	ug/L	92			70	139	
	Benzene	20	18.4	ug/L	92			65	135	
	1,2-Dichloroethane	20	18.3	ug/L	92			70	130	
	Trichloroethene	20	18.5	ug/L	93			65	135	
	1,2-Dichloropropane	20	18.5	ug/L	93			35	165	
	Dibromomethane	20	18.7	ug/L	94			72	138	
	Bromodichloromethane	20	18.3	ug/L	92			65	135	
	4-Methyl-2-Pentanone	100	90.8	ug/L	91			73	131	
	Toluene	20	18.9	ug/L	95			70	130	
	t-1,3-Dichloropropene	20	18.5	ug/L	93			50	150	
	cis-1,3-Dichloropropene	20	18.5	ug/L	93			25	175	
	1,1,2-Trichloroethane	20	18.0	ug/L	90			70	130	
	1,3-Dichloropropane	20	18.2	ug/L	91			70	141	
	2-Hexanone	100	89.7	ug/L	90			72	128	
	Dibromochloromethane	20	18.7	ug/L	94			70	135	
	1,2-Dibromoethane	20	18.3	ug/L	92			86	114	
	Tetrachloroethene	20	19.1	ug/L	96			70	130	
	Chlorobenzene	20	18.7	ug/L	94			65	135	
	1,1,1,2-Tetrachloroethane	20	18.6	ug/L	93			63	138	
	Hexachloroethane	20	18.8	ug/L	94			70	130	
	Ethyl Benzene	20	18.7	ug/L	94			60	140	
	m/p-Xylenes	40	38.0	ug/L	95			87	111	
	o-Xylene	20	19.2	ug/L	96			87	111	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5283

Client: Tetra Tech NUS, Inc.

Analytical Method: SW624.1 **Datafile :** VN085208.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1216WBS01	Styrene	20	18.7	ug/L	94			85	106	
	Bromoform	20	17.9	ug/L	90			70	130	
	Isopropylbenzene	20	19.3	ug/L	97			86	112	
	1,1,2,2-Tetrachloroethane	20	18.6	ug/L	93			60	140	
	1,2,3-Trichloropropane	20	15.3	ug/L	77			61	148	
	Bromobenzene	20	18.7	ug/L	94			59	142	
	N-propylbenzene	20	18.6	ug/L	93			67	139	
	2-Chlorotoluene	20	19.0	ug/L	95			66	138	
	1,3,5-Trimethylbenzene	20	19.3	ug/L	97			66	139	
	4-Chlorotoluene	20	18.9	ug/L	95			66	141	
	tert-Butylbenzene	20	18.9	ug/L	95			56	140	
	1,2,4-Trimethylbenzene	20	19.5	ug/L	98			63	142	
	Sec-butylbenzene	20	19.0	ug/L	95			63	144	
	p-Isopropyltoluene	20	19.3	ug/L	97			57	147	
	1,3-Dichlorobenzene	20	18.6	ug/L	93			70	130	
	1,4-Dichlorobenzene	20	19.0	ug/L	95			65	135	
	n-Butylbenzene	20	19.1	ug/L	96			49	157	
	1,2-Dichlorobenzene	20	18.7	ug/L	94			65	135	
	1,2-Dibromo-3-Chloropropane	20	18.1	ug/L	91			69	122	
	1,2,4-Trichlorobenzene	20	19.5	ug/L	98			61	118	
	Hexachlorobutadiene	20	20.3	ug/L	102			16	187	
	Naphthalene	20	18.9	ug/L	95			45	152	
	1,2,3-Trichlorobenzene	20	19.5	ug/L	98			38	159	
	Methyl iodide	20	17.6	ug/L	88			70	130	
	Methyl methacrylate	20	18.1	ug/L	91			70	130	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5283

Client: Tetra Tech NUS, Inc.

Analytical Method: SW624.1 **Datafile :** VN085209.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1216WBSD01	Dichlorodifluoromethane	20	20.1	ug/L	101	0		72	118	20
	Chloromethane	20	19.1	ug/L	96	2		1	205	20
	Vinyl Chloride	20	20.9	ug/L	104	7		5	195	20
	Bromomethane	20	20.0	ug/L	100	0		15	185	20
	Chloroethane	20	21.2	ug/L	106	6		40	160	20
	Trichlorofluoromethane	20	20.6	ug/L	103	3		50	150	20
	1,1,2-Trichlorotrifluoroethane	20	19.9	ug/L	100	5		64	127	20
	1,1-Dichloroethene	20	19.9	ug/L	100	1		50	150	20
	Acrolein	100	110	ug/L	110	0		60	140	20
	Acrylonitrile	100	100	ug/L	100	7		60	140	20
	Acetone	100	120	ug/L	120	18		41	148	20
	Carbon disulfide	20	19.4	ug/L	97	1		76	107	20
	Methyl tert-butyl Ether	20	21.4	ug/L	107	7		82	114	20
	Methyl Acetate	20	21.8	ug/L	109	14		63	139	20
	Methylene Chloride	20	20.0	ug/L	100	7		60	140	20
	trans-1,2-Dichloroethene	20	19.4	ug/L	97	1		70	130	20
	1,1-Dichloroethane	20	20.3	ug/L	102	4		70	130	20
	Cyclohexane	20	19.6	ug/L	98	1		79	113	20
	2-Butanone	100	110	ug/L	110	17		69	129	20
	Carbon Tetrachloride	20	19.4	ug/L	97	2		70	130	20
	2,2-Dichloropropane	20	19.7	ug/L	99	5		62	139	20
	cis-1,2-Dichloroethene	20	20.6	ug/L	103	5		81	112	20
	Chloroform	20	20.2	ug/L	101	2		70	135	20
	1,1,1-Trichloroethane	20	19.3	ug/L	97	4		70	130	20
	Methylcyclohexane	20	19.0	ug/L	95	1		79	112	20
	1,1-Dichloropropene	20	19.7	ug/L	99	7		70	139	20
	Benzene	20	19.5	ug/L	98	6		65	135	20
	1,2-Dichloroethane	20	19.6	ug/L	98	6		70	130	20
	Trichloroethene	20	19.5	ug/L	98	5		65	135	20
	1,2-Dichloropropane	20	19.2	ug/L	96	3		35	165	20
	Dibromomethane	20	20.0	ug/L	100	6		72	138	20
	Bromodichloromethane	20	20.0	ug/L	100	8		65	135	20
	4-Methyl-2-Pentanone	100	100	ug/L	100	9		73	131	20
	Toluene	20	19.5	ug/L	98	3		70	130	20
	t-1,3-Dichloropropene	20	19.9	ug/L	100	7		50	150	20
	cis-1,3-Dichloropropene	20	19.8	ug/L	99	6		25	175	20
	1,1,2-Trichloroethane	20	19.7	ug/L	99	10		70	130	20
	1,3-Dichloropropane	20	20.2	ug/L	101	10		70	141	20
	2-Hexanone	100	100	ug/L	100	11		72	128	20
	Dibromochloromethane	20	19.8	ug/L	99	5		70	135	20
	1,2-Dibromoethane	20	19.7	ug/L	99	7		86	114	20
	Tetrachloroethene	20	19.8	ug/L	99	3		70	130	20
	Chlorobenzene	20	19.7	ug/L	99	5		65	135	20
	1,1,1,2-Tetrachloroethane	20	20.6	ug/L	103	10		63	138	20
	Hexachloroethane	20	19.6	ug/L	98	4		70	130	20
	Ethyl Benzene	20	19.6	ug/L	98	4		60	140	20
	m/p-Xylenes	40	39.6	ug/L	99	4		87	111	20
	o-Xylene	20	20.3	ug/L	102	6		87	111	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5283

Client: Tetra Tech NUS, Inc.

Analytical Method: SW624.1 **Datafile :** VN085209.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1216WBSD01	Styrene	20	20.1	ug/L	101	7		85	106	20
	Bromoform	20	19.8	ug/L	99	10		70	130	20
	Isopropylbenzene	20	19.9	ug/L	100	3		86	112	20
	1,1,2,2-Tetrachloroethane	20	20.4	ug/L	102	9		60	140	20
	1,2,3-Trichloropropane	20	16.7	ug/L	84	9		61	148	20
	Bromobenzene	20	20.1	ug/L	101	7		59	142	20
	N-propylbenzene	20	19.2	ug/L	96	3		67	139	20
	2-Chlorotoluene	20	19.9	ug/L	100	5		66	138	20
	1,3,5-Trimethylbenzene	20	19.6	ug/L	98	1		66	139	20
	4-Chlorotoluene	20	19.5	ug/L	98	3		66	141	20
	tert-Butylbenzene	20	19.8	ug/L	99	4		56	140	20
	1,2,4-Trimethylbenzene	20	20.1	ug/L	101	3		63	142	20
	Sec-butylbenzene	20	19.8	ug/L	99	4		63	144	20
	p-Isopropyltoluene	20	19.8	ug/L	99	2		57	147	20
	1,3-Dichlorobenzene	20	19.6	ug/L	98	5		70	130	20
	1,4-Dichlorobenzene	20	20.0	ug/L	100	5		65	135	20
	n-Butylbenzene	20	19.3	ug/L	97	1		49	157	20
	1,2-Dichlorobenzene	20	20.2	ug/L	101	7		65	135	20
	1,2-Dibromo-3-Chloropropane	20	21.6	ug/L	108	17		69	122	20
	1,2,4-Trichlorobenzene	20	20.6	ug/L	103	5		61	118	20
	Hexachlorobutadiene	20	20.6	ug/L	103	1		16	187	20
	Naphthalene	20	20.6	ug/L	103	8		45	152	20
	1,2,3-Trichlorobenzene	20	20.6	ug/L	103	5		38	159	20
	Methyl iodide	20	18.3	ug/L	92	4		70	130	20
	Methyl methacrylate	20	19.9	ug/L	100	9		70	130	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1216WBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P5283 SAS No.: P5283 SDG NO.: P5283

Lab File ID: VN085210.D Lab Sample ID: VN1216WBL01

Date Analyzed: 12/16/2024 Time Analyzed: 11:21

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
VN1216WBS01	VN1216WBS01	VN085208.D	12/16/2024
VN1216WBSD01	VN1216WBSD01	VN085209.D	12/16/2024
TT-TB-20241213	P5283-01	VN085214.D	12/16/2024
TT-RW10A-IDWGW-20241213	P5283-02	VN085215.D	12/16/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P5283 SAS No.: P5283 SDG NO.: P5283

Lab File ID: VN085116.D BFB Injection Date: 12/06/2024

Instrument ID: MSVOA_N BFB Injection Time: 08:14

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	18.1
75	30.0 - 60.0% of mass 95	51.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.5 (0.6) 1
174	50.0 - 100.0% of mass 95	77.9
175	5.0 - 9.0% of mass 174	5.9 (7.6) 1
176	95.0 - 101.0% of mass 174	74.3 (95.4) 1
177	5.0 - 9.0% of mass 176	4.5 (6.1) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VN085117.D	12/06/2024	10:02
VSTDICCC020	VSTDICCC020	VN085118.D	12/06/2024	10:26
VSTDICC050	VSTDICC050	VN085119.D	12/06/2024	10:49
VSTDICC100	VSTDICC100	VN085120.D	12/06/2024	11:13
VSTDICC150	VSTDICC150	VN085121.D	12/06/2024	11:37

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P5283 SAS No.: P5283 SDG NO.: P5283

Lab File ID: VN085206.D BFB Injection Date: 12/16/2024

Instrument ID: MSVOA_N BFB Injection Time: 08:58

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	18.9
75	30.0 - 60.0% of mass 95	52.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.9
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	78.8
175	5.0 - 9.0% of mass 174	6.3 (8) 1
176	95.0 - 101.0% of mass 174	76.5 (97.1) 1
177	5.0 - 9.0% of mass 176	5.3 (6.9) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC020	VSTDCCC020	VN085207.D	12/16/2024	09:42
VN1216WBS01	VN1216WBS01	VN085208.D	12/16/2024	10:19
VN1216WBSD01	VN1216WBSD01	VN085209.D	12/16/2024	10:57
VN1216WBL01	VN1216WBL01	VN085210.D	12/16/2024	11:21
TT-TB-20241213	P5283-01	VN085214.D	12/16/2024	13:09
TT-RW10A-IDWGW-20241213	P5283-02	VN085215.D	12/16/2024	13:33
VSTDCCC020EC	VSTDCCC020	VN085216.D	12/16/2024	16:33

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P5283 SAS No.: P5283 SDG NO.: P5283

Lab File ID: VN085207.D Date Analyzed: 12/16/2024

Instrument ID: MSVOA_N Time Analyzed: 09:42

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	33412	7.81	185962	9.09	170233	11.87
UPPER LIMIT	66824	8.312	371924	9.594	340466	12.365
LOWER LIMIT	16706	7.312	92981	8.594	85116.5	11.365
EPA SAMPLE NO.						
TT-TB-20241213	24766	7.81	129916	9.10	118401	11.87
TT-RW10A-IDWGW-20241213	25309	7.81	122588	9.10	107111	11.87
VN1216WBL01	28325	7.82	149220	9.10	129681	11.87
VN1216WBS01	30825	7.81	169823	9.10	155663	11.87
VN1216WBSD01	29855	7.81	161867	9.10	148673	11.87

IS1 = Bromochloromethane
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.

SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/13/24
Project:	CTO WE13	Date Received:	12/13/24
Client Sample ID:	TT-TB-20241213	SDG No.:	P5283
Lab Sample ID:	P5283-01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085214.D	1		12/16/24 13:09	VN121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.00	ug/L
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/L
75-01-4	Vinyl Chloride	1.20	U	1.20	5.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	2.90	U	2.90	5.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	1.00	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/L
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.00	ug/L
107-02-8	Acrolein	9.30	U	9.30	25.0	ug/L
107-13-1	Acrylonitrile	3.70	U	3.70	25.0	ug/L
67-64-1	Acetone	4.90	U	4.90	25.0	ug/L
75-15-0	Carbon Disulfide	0.93	U	0.93	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	0.83	U	0.83	5.00	ug/L
79-20-9	Methyl Acetate	1.20	U	1.20	5.00	ug/L
75-09-2	Methylene Chloride	1.20	U	1.20	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.95	U	0.95	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.81	U	0.81	5.00	ug/L
110-82-7	Cyclohexane	1.00	U	1.00	5.00	ug/L
78-93-3	2-Butanone	3.60	U	3.60	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.91	U	0.91	5.00	ug/L
594-20-7	2,2-Dichloropropane	1.10	U	1.10	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.90	U	0.90	5.00	ug/L
67-66-3	Chloroform	0.72	U	0.72	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.79	U	0.79	5.00	ug/L
108-87-2	Methylcyclohexane	0.89	U	0.89	5.00	ug/L
563-58-6	1,1-Dichloropropene	0.75	U	0.75	5.00	ug/L
71-43-2	Benzene	0.69	U	0.69	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.75	U	0.75	5.00	ug/L
79-01-6	Trichloroethene	0.77	U	0.77	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.65	U	0.65	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/13/24
Project:	CTO WE13	Date Received:	12/13/24
Client Sample ID:	TT-TB-20241213	SDG No.:	P5283
Lab Sample ID:	P5283-01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085214.D	1		12/16/24 13:09	VN121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
74-95-3	Dibromomethane	0.70	U	0.70	5.00	ug/L
75-27-4	Bromodichloromethane	0.81	U	0.81	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	4.20	U	4.20	25.0	ug/L
108-88-3	Toluene	0.72	U	0.72	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.79	U	0.79	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.83	U	0.83	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.68	U	0.68	5.00	ug/L
142-28-9	1,3-Dichloropropane	0.68	U	0.68	5.00	ug/L
591-78-6	2-Hexanone	3.90	U	3.90	25.0	ug/L
124-48-1	Dibromochloromethane	0.72	U	0.72	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.78	U	0.78	5.00	ug/L
127-18-4	Tetrachloroethene	0.94	U	0.94	5.00	ug/L
108-90-7	Chlorobenzene	0.67	U	0.67	5.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.91	U	0.91	5.00	ug/L
67-72-1	Hexachloroethane	0.91	U	0.91	5.00	ug/L
100-41-4	Ethyl Benzene	0.73	U	0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	1.70	U	1.70	10.0	ug/L
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/L
100-42-5	Styrene	0.80	U	0.80	5.00	ug/L
75-25-2	Bromoform	1.00	U	1.00	5.00	ug/L
98-82-8	Isopropylbenzene	0.85	U	0.85	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	0.60	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	1.70	U	1.70	5.00	ug/L
108-86-1	Bromobenzene	0.69	U	0.69	5.00	ug/L
103-65-1	n-propylbenzene	0.80	U	0.80	5.00	ug/L
95-49-8	2-Chlorotoluene	0.81	U	0.81	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.74	U	0.74	5.00	ug/L
106-43-4	4-Chlorotoluene	0.82	U	0.82	5.00	ug/L
98-06-6	tert-butylbenzene	0.77	U	0.77	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.83	U	0.83	5.00	ug/L
135-98-8	sec-Butylbenzene	0.77	U	0.77	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/13/24
Project:	CTO WE13	Date Received:	12/13/24
Client Sample ID:	TT-TB-20241213	SDG No.:	P5283
Lab Sample ID:	P5283-01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085214.D	1		12/16/24 13:09	VN121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-87-6	p-Isopropyltoluene	0.82	U	0.82	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.88	U	0.88	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.95	U	0.95	5.00	ug/L
104-51-8	n-Butylbenzene	0.86	U	0.86	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	0.91	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.10	U	1.10	5.00	ug/L
91-20-3	Naphthalene	1.40	U	1.40	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.40	U	1.40	5.00	ug/L
74-88-4	Methyl Iodide	0.94	U	0.94	5.00	ug/L
80-62-6	Methyl methacrylate	1.00	U	1.00	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	32.3		91 - 110	108%	SPK: 30
2037-26-5	Toluene-d8	27.9		91 - 112	93%	SPK: 30
460-00-4	4-Bromofluorobenzene	24.7		63 - 112	82%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	24800	7.812			
540-36-3	1,4-Difluorobenzene	130000	9.1			
3114-55-4	Chlorobenzene-d5	118000	11.865			

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085214.D
Acq On : 16 Dec 2024 13:09
Operator : JC\MD
Sample : P5283-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20241213

Quant Time: Dec 17 02:00:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

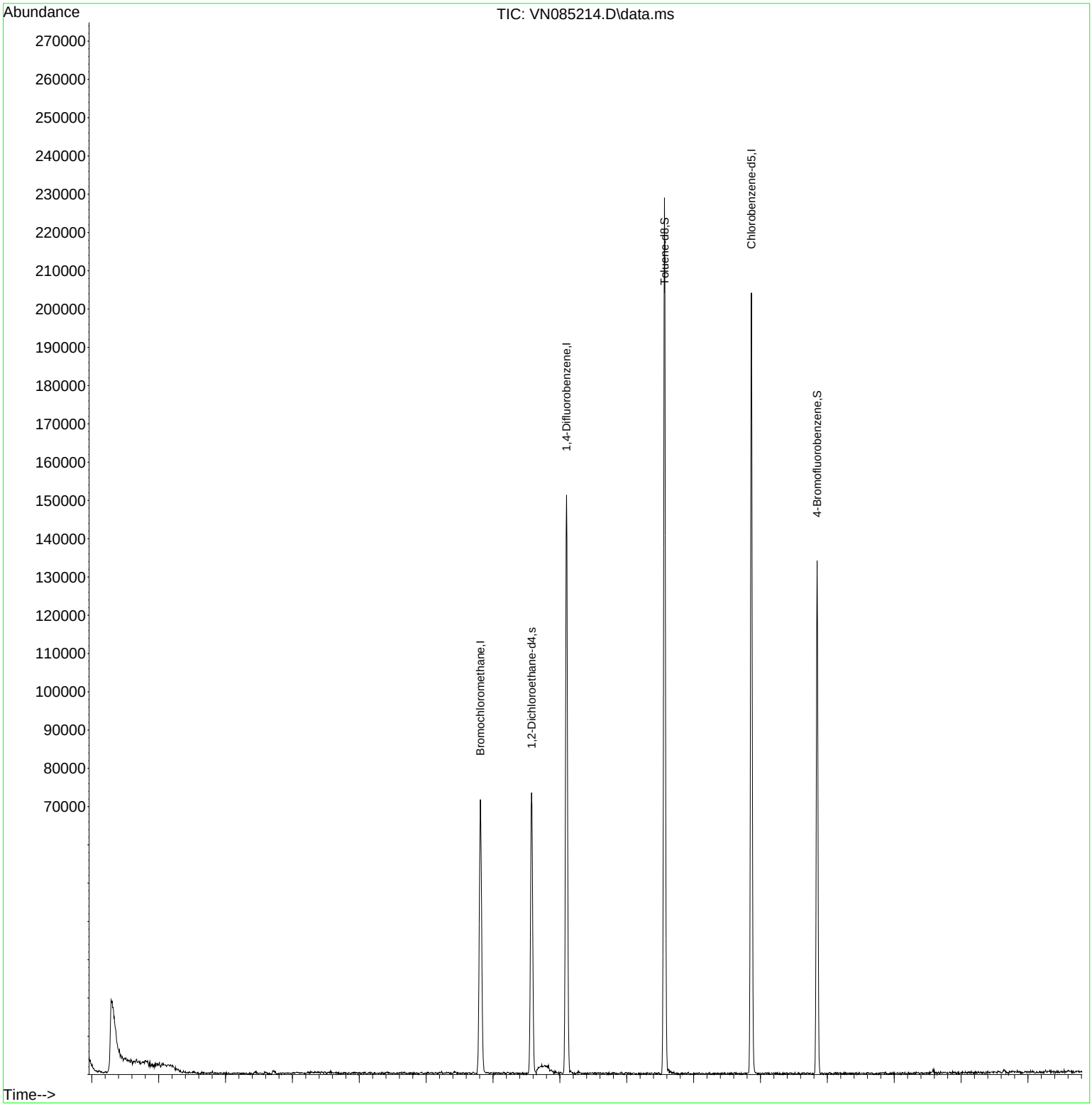
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	24766	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	129916	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	118401	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	63566	32.347	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 107.833%			
60) 4-Bromofluorobenzene	12.847	95	48481	24.747	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 82.500%			
63) Toluene-d8	10.565	98	155109	27.928	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 93.100%			
Target Compounds						Qvalue

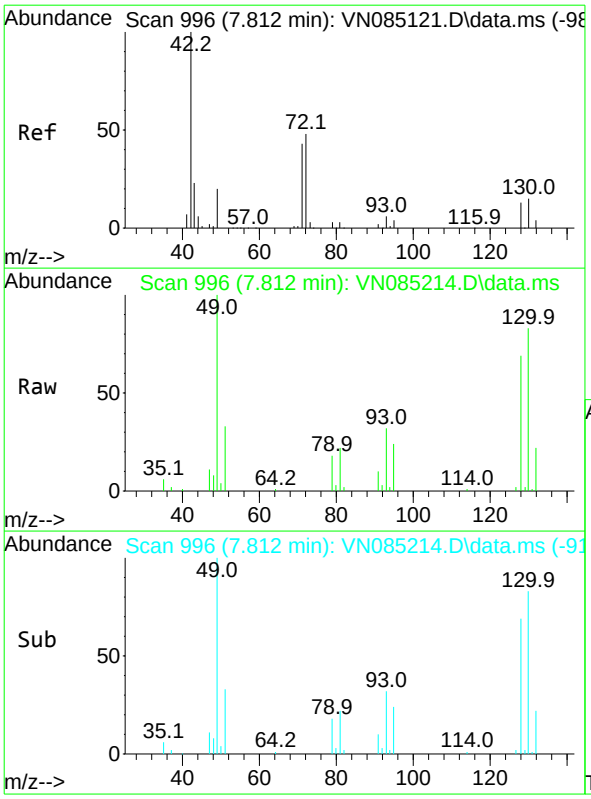
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085214.D
Acq On : 16 Dec 2024 13:09
Operator : JC\MD
Sample : P5283-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20241213

Quant Time: Dec 17 02:00:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration



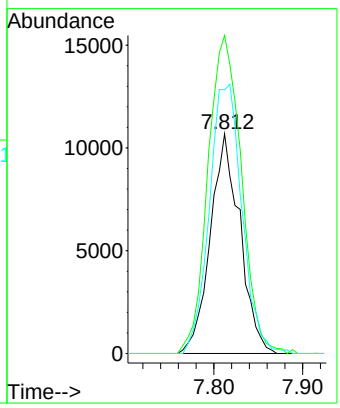


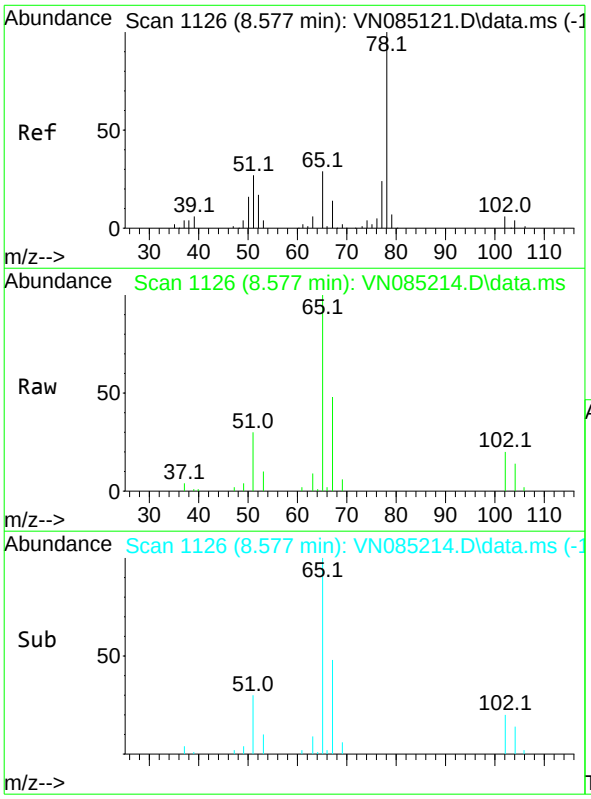
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN085214.D
Acq: 16 Dec 2024 13:09

Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20241213

Tgt Ion:128 Resp: 24766

Ion	Ratio	Lower	Upper
128	100		
49	163.0	0.0	394.5
130	135.2	0.0	316.5

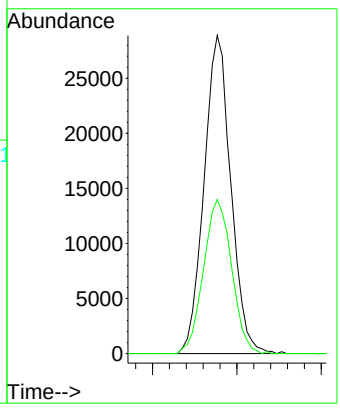


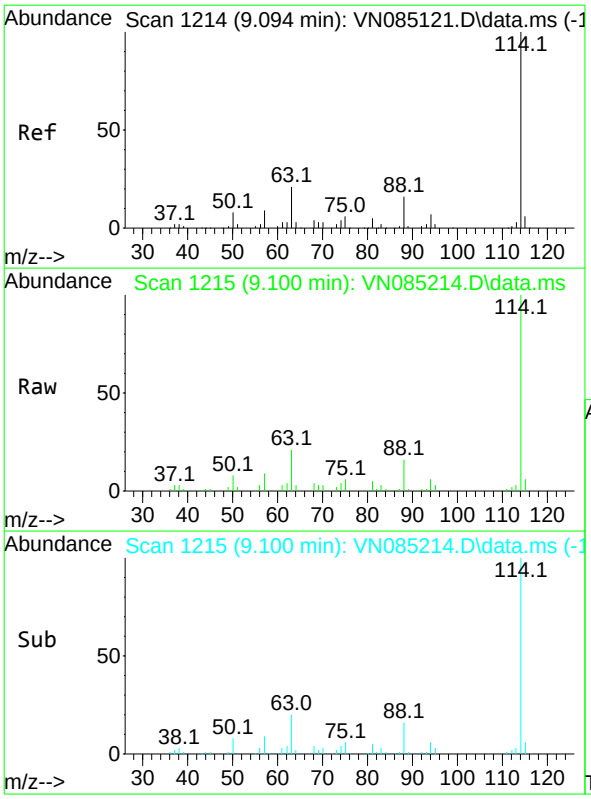


#27
1,2-Dichloroethane-d4
Concen: 32.347 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN085214.D
Acq: 16 Dec 2024 13:09

Tgt Ion: 65 Resp: 63566

Ion	Ratio	Lower	Upper
65	100		
67	50.8	39.9	59.9



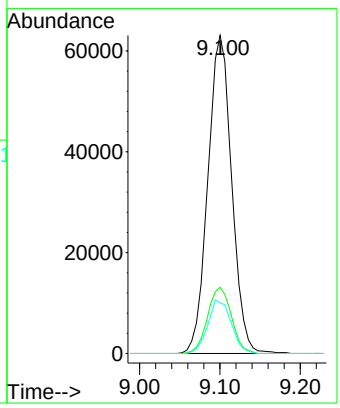


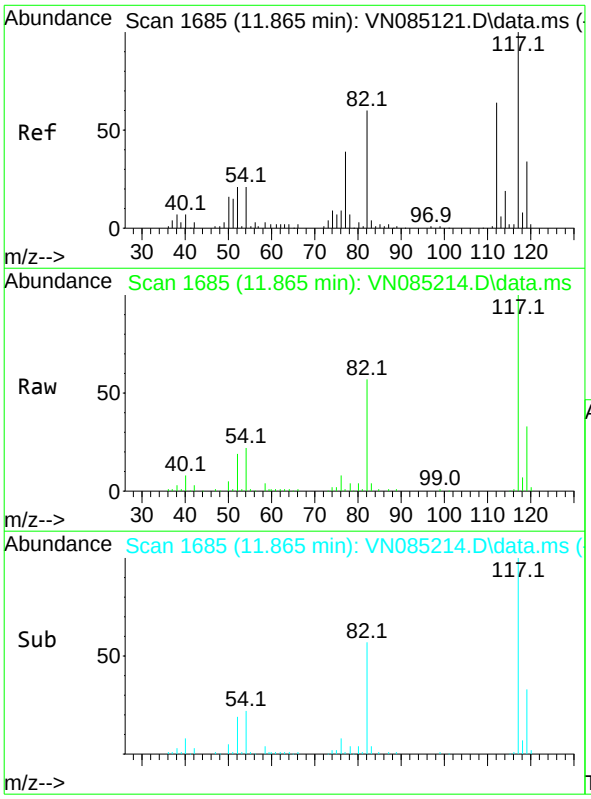
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN085214.D
Acq: 16 Dec 2024 13:09

Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20241213

Tgt Ion:114 Resp: 129916

Ion	Ratio	Lower	Upper
114	100		
63	20.8	16.2	24.2
88	16.6	12.5	18.7

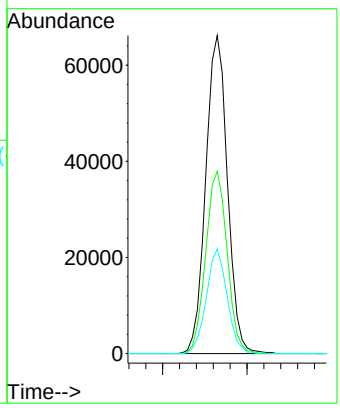


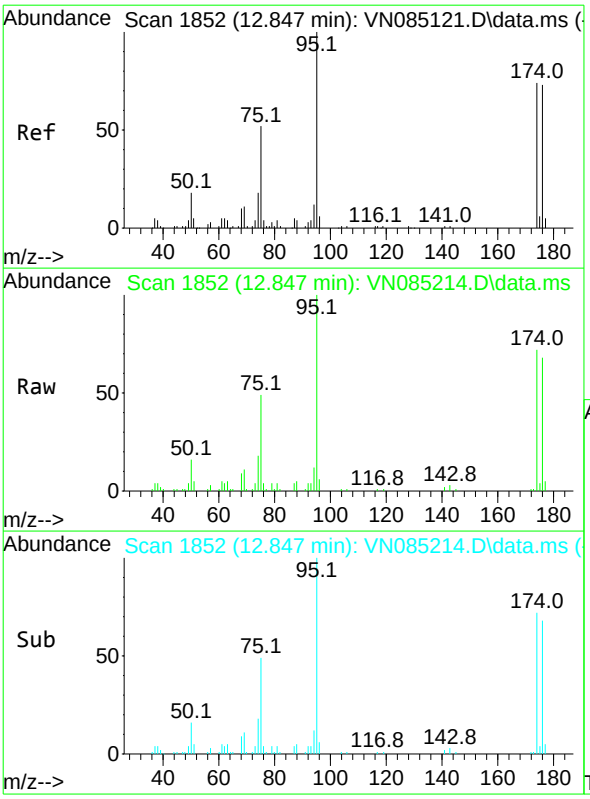


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085214.D
Acq: 16 Dec 2024 13:09

Tgt Ion:117 Resp: 118401

Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.2	66.4
119	31.6	25.4	38.2



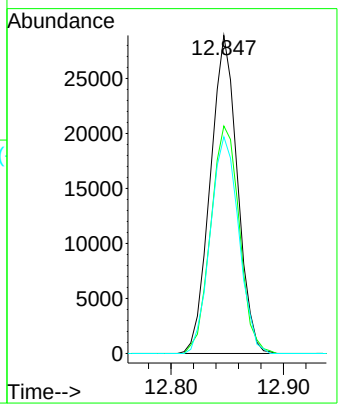


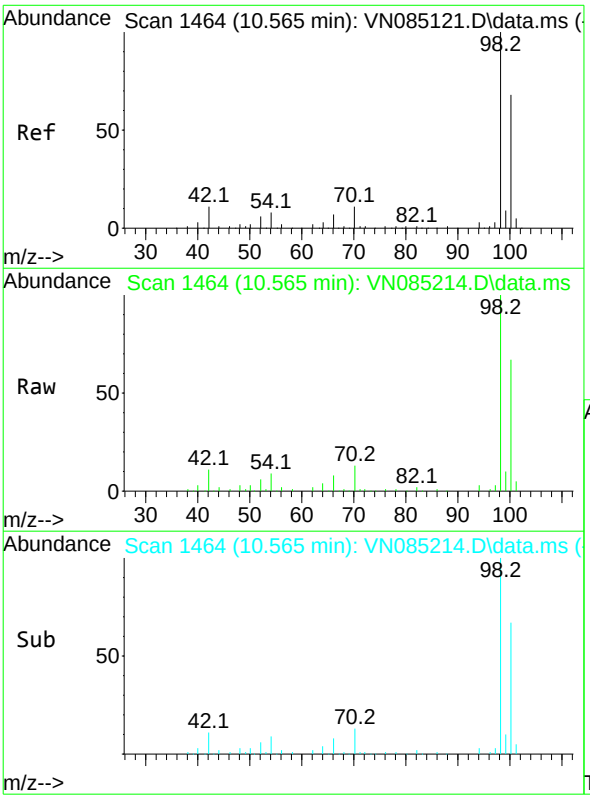
#60
4-Bromofluorobenzene
Concen: 24.747 ug/l
RT: 12.847 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085214.D
Acq: 16 Dec 2024 13:09

Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20241213

Tgt Ion: 95 Resp: 48481

Ion	Ratio	Lower	Upper
95	100		
174	75.2	60.3	90.5
176	71.4	57.4	86.0

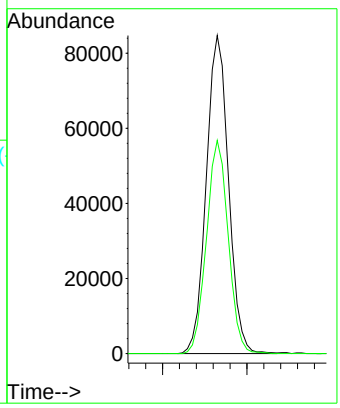




#63
Toluene-d8
Concen: 27.928 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085214.D
Acq: 16 Dec 2024 13:09

Tgt Ion: 98 Resp: 155109

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.0	78.0



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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/13/24
Project:	CTO WE13	Date Received:	12/13/24
Client Sample ID:	TT-RW10A-IDWGW-20241213	SDG No.:	P5283
Lab Sample ID:	P5283-02	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085215.D	1		12/16/24 13:33	VN121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.00	ug/L
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/L
75-01-4	Vinyl Chloride	1.20	U	1.20	5.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	2.90	U	2.90	5.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	1.00	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/L
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.00	ug/L
107-02-8	Acrolein	9.30	U	9.30	25.0	ug/L
107-13-1	Acrylonitrile	3.70	U	3.70	25.0	ug/L
67-64-1	Acetone	4.90	U	4.90	25.0	ug/L
75-15-0	Carbon Disulfide	0.93	U	0.93	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	0.83	U	0.83	5.00	ug/L
79-20-9	Methyl Acetate	1.20	U	1.20	5.00	ug/L
75-09-2	Methylene Chloride	1.20	U	1.20	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.95	U	0.95	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.81	U	0.81	5.00	ug/L
110-82-7	Cyclohexane	1.00	U	1.00	5.00	ug/L
78-93-3	2-Butanone	3.60	U	3.60	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.91	U	0.91	5.00	ug/L
594-20-7	2,2-Dichloropropane	1.10	U	1.10	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.90	U	0.90	5.00	ug/L
67-66-3	Chloroform	0.72	U	0.72	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.79	U	0.79	5.00	ug/L
108-87-2	Methylcyclohexane	0.89	U	0.89	5.00	ug/L
563-58-6	1,1-Dichloropropene	0.75	U	0.75	5.00	ug/L
71-43-2	Benzene	0.69	U	0.69	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.75	U	0.75	5.00	ug/L
79-01-6	Trichloroethene	0.77	U	0.77	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.65	U	0.65	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/13/24
Project:	CTO WE13	Date Received:	12/13/24
Client Sample ID:	TT-RW10A-IDWGW-20241213	SDG No.:	P5283
Lab Sample ID:	P5283-02	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085215.D	1		12/16/24 13:33	VN121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
74-95-3	Dibromomethane	0.70	U	0.70	5.00	ug/L
75-27-4	Bromodichloromethane	0.81	U	0.81	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	4.20	U	4.20	25.0	ug/L
108-88-3	Toluene	0.72	U	0.72	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.79	U	0.79	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.83	U	0.83	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.68	U	0.68	5.00	ug/L
142-28-9	1,3-Dichloropropane	0.68	U	0.68	5.00	ug/L
591-78-6	2-Hexanone	3.90	U	3.90	25.0	ug/L
124-48-1	Dibromochloromethane	0.72	U	0.72	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.78	U	0.78	5.00	ug/L
127-18-4	Tetrachloroethene	0.94	U	0.94	5.00	ug/L
108-90-7	Chlorobenzene	0.67	U	0.67	5.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.91	U	0.91	5.00	ug/L
67-72-1	Hexachloroethane	0.91	U	0.91	5.00	ug/L
100-41-4	Ethyl Benzene	0.73	U	0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	1.70	U	1.70	10.0	ug/L
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/L
100-42-5	Styrene	0.80	U	0.80	5.00	ug/L
75-25-2	Bromoform	1.00	U	1.00	5.00	ug/L
98-82-8	Isopropylbenzene	0.85	U	0.85	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	0.60	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	1.70	U	1.70	5.00	ug/L
108-86-1	Bromobenzene	0.69	U	0.69	5.00	ug/L
103-65-1	n-propylbenzene	0.80	U	0.80	5.00	ug/L
95-49-8	2-Chlorotoluene	0.81	U	0.81	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.74	U	0.74	5.00	ug/L
106-43-4	4-Chlorotoluene	0.82	U	0.82	5.00	ug/L
98-06-6	tert-butylbenzene	0.77	U	0.77	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.83	U	0.83	5.00	ug/L
135-98-8	sec-Butylbenzene	0.77	U	0.77	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/13/24
Project:	CTO WE13	Date Received:	12/13/24
Client Sample ID:	TT-RW10A-IDWGW-20241213	SDG No.:	P5283
Lab Sample ID:	P5283-02	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085215.D	1		12/16/24 13:33	VN121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-87-6	p-Isopropyltoluene	0.82	U	0.82	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.88	U	0.88	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.95	U	0.95	5.00	ug/L
104-51-8	n-Butylbenzene	0.86	U	0.86	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	0.91	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.10	U	1.10	5.00	ug/L
91-20-3	Naphthalene	1.40	U	1.40	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.40	U	1.40	5.00	ug/L
74-88-4	Methyl Iodide	0.94	U	0.94	5.00	ug/L
80-62-6	Methyl methacrylate	1.00	U	1.00	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.0		91 - 110	100%	SPK: 30
2037-26-5	Toluene-d8	28.7		91 - 112	96%	SPK: 30
460-00-4	4-Bromofluorobenzene	24.3		63 - 112	81%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	25300	7.812			
540-36-3	1,4-Difluorobenzene	123000	9.1			
3114-55-4	Chlorobenzene-d5	107000	11.865			

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085215.D
Acq On : 16 Dec 2024 13:33
Operator : JC\MD
Sample : P5283-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TT-RW10A-IDWGW-20241213

Quant Time: Dec 17 02:01:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

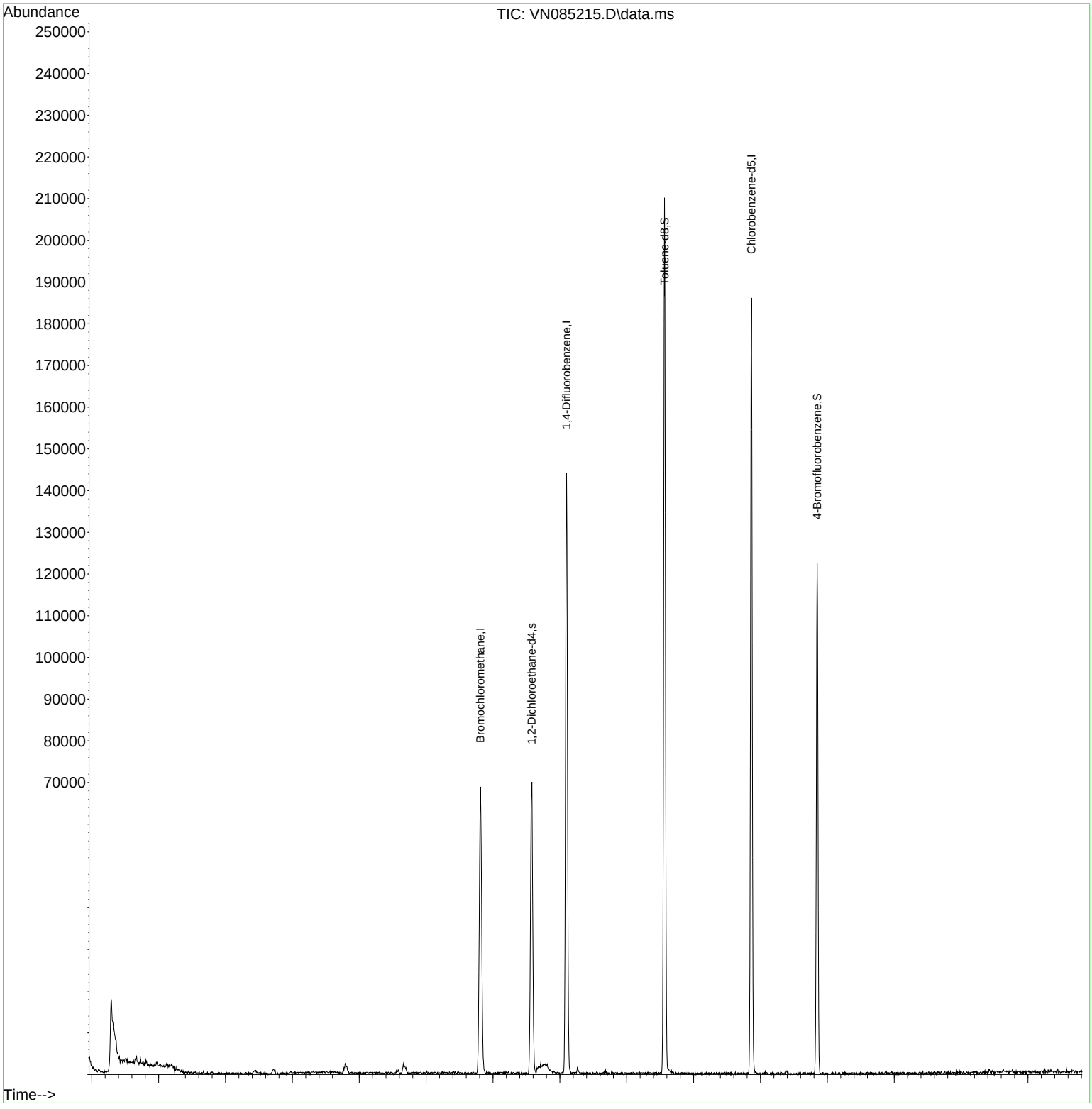
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	25309	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	122588	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	107111	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	60177	29.966	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.900%			
60) 4-Bromofluorobenzene	12.847	95	43131	24.337	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 81.133%			
63) Toluene-d8	10.565	98	144249	28.710	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 95.700%			
Target Compounds						Qvalue

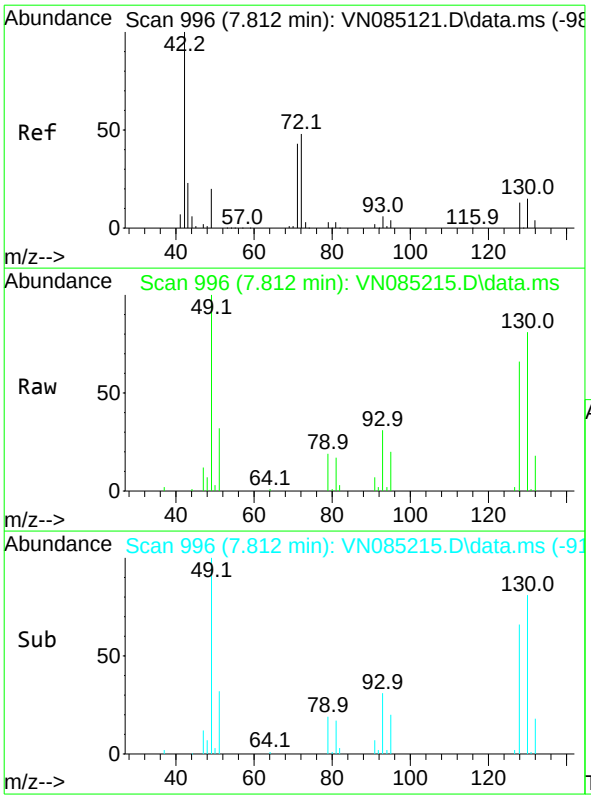
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085215.D
Acq On : 16 Dec 2024 13:33
Operator : JC\MD
Sample : P5283-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TT-RW10A-IDWGW-20241213

Quant Time: Dec 17 02:01:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration



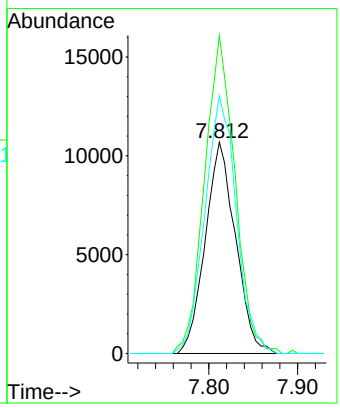


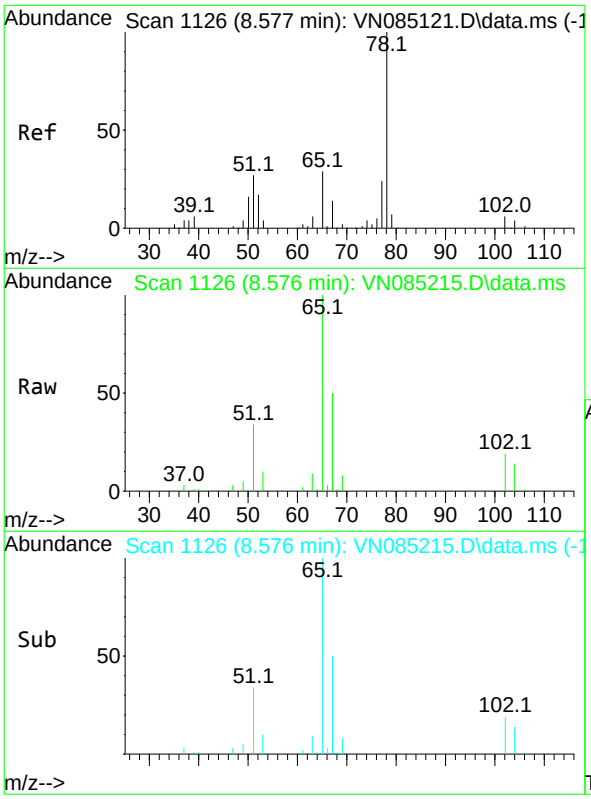
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN085215.D
Acq: 16 Dec 2024 13:33

Instrument :
MSVOA_N
ClientSampleId :
TT-RW10A-IDWGW-20241213

Tgt Ion:128 Resp: 25309

Ion	Ratio	Lower	Upper
128	100		
49	150.2	0.0	394.5
130	127.0	0.0	316.5

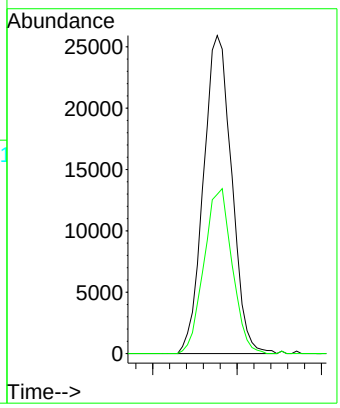


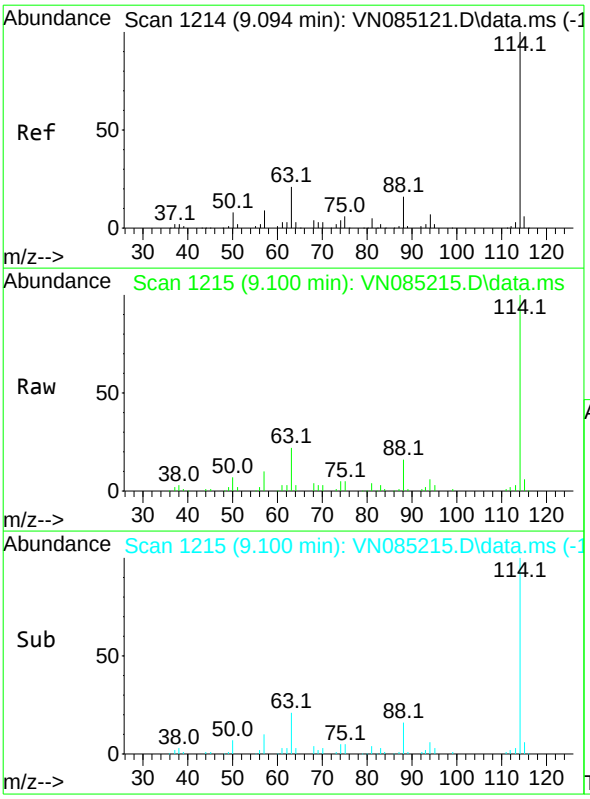


#27
1,2-Dichloroethane-d4
Concen: 29.966 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN085215.D
Acq: 16 Dec 2024 13:33

Tgt Ion: 65 Resp: 60177

Ion	Ratio	Lower	Upper
65	100		
67	51.8	39.9	59.9



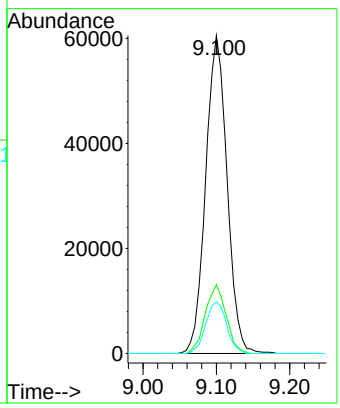


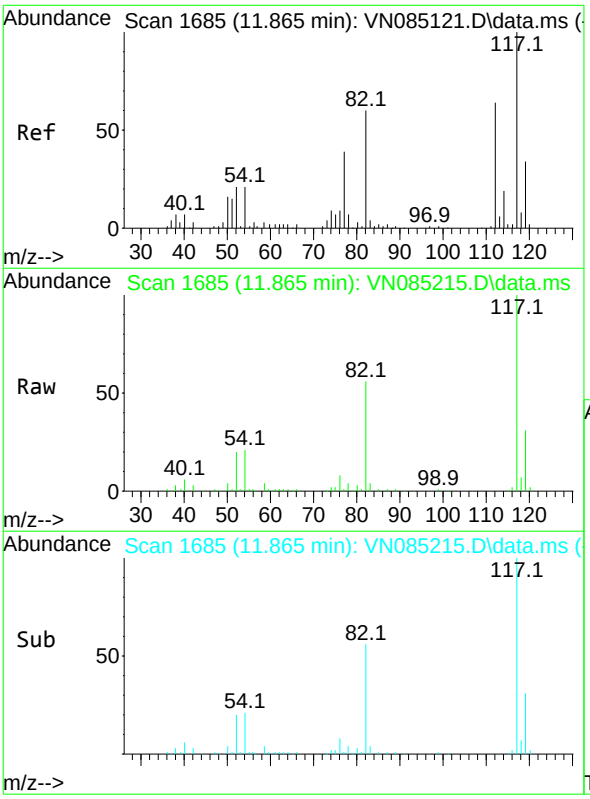
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. -0.000 min
Lab File: VN085215.D
Acq: 16 Dec 2024 13:33

Instrument :
MSVOA_N
ClientSampleId :
TT-RW10A-IDWGW-20241213

Tgt Ion:114 Resp: 122588

Ion	Ratio	Lower	Upper
114	100		
63	21.1	16.2	24.2
88	15.9	12.5	18.7

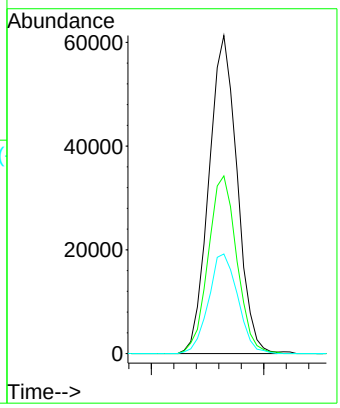


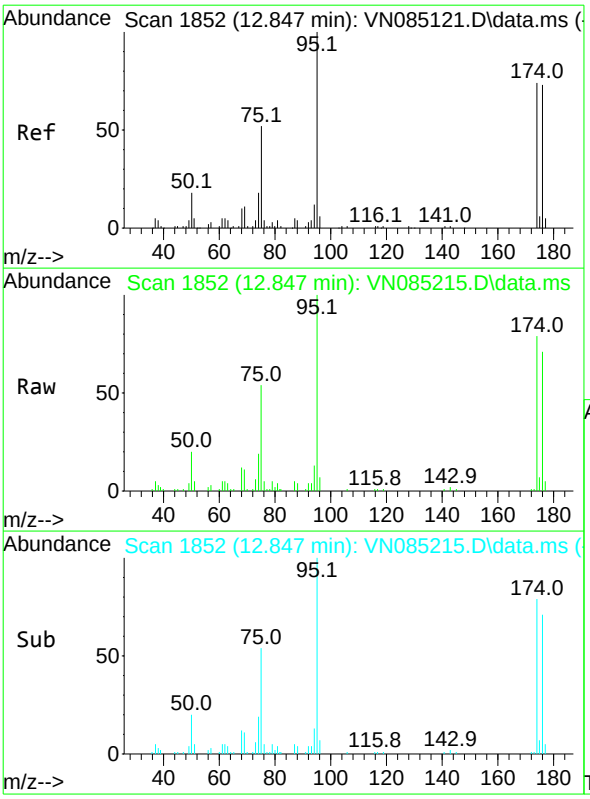


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085215.D
Acq: 16 Dec 2024 13:33

Tgt Ion:117 Resp: 107111

Ion	Ratio	Lower	Upper
117	100		
82	56.5	44.2	66.4
119	32.5	25.4	38.2



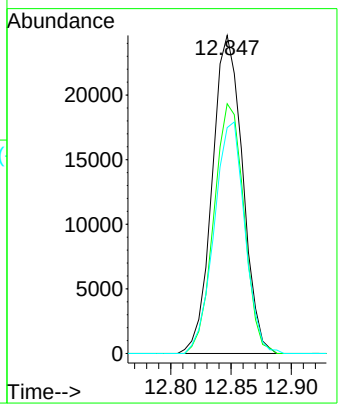


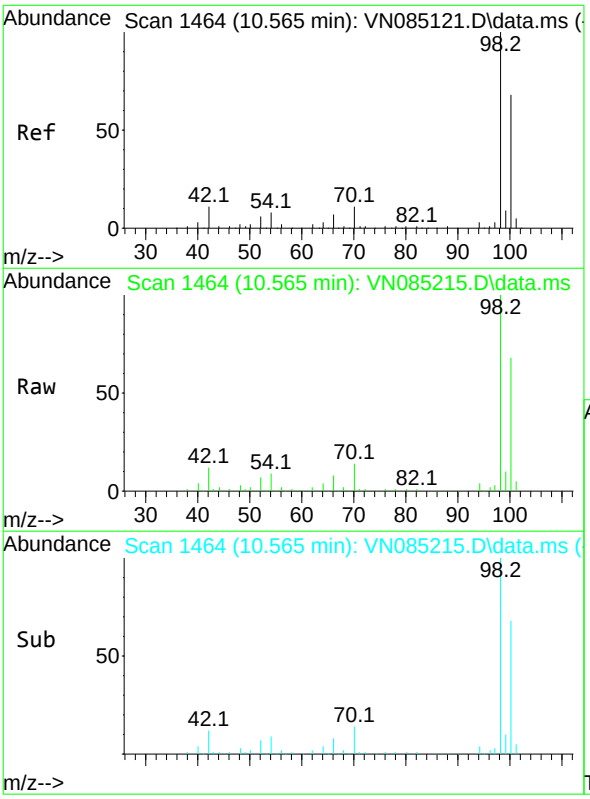
#60
4-Bromofluorobenzene
Concen: 24.337 ug/l
RT: 12.847 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085215.D
Acq: 16 Dec 2024 13:33

Instrument :
MSVOA_N
ClientSampleId :
TT-RW10A-IDWGW-20241213

Tgt Ion: 95 Resp: 43131

Ion	Ratio	Lower	Upper
95	100		
174	77.6	60.3	90.5
176	73.5	57.4	86.0

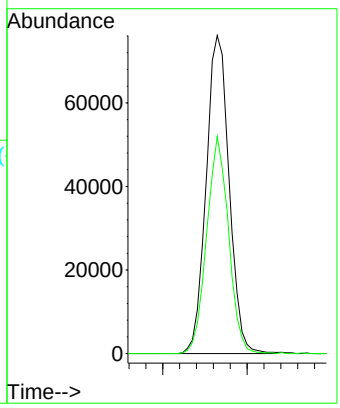




#63
Toluene-d8
Concen: 28.710 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085215.D
Acq: 16 Dec 2024 13:33

Tgt Ion: 98 Resp: 144249

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.0	78.0



CALIBRATION SUMMARY

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.: P5283 SAS No.: P5283 SDG No.: P5283

Instrument ID: MSVOA_N Calibration Date(s): 12/06/2024 12/06/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:02 11:37

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

LAB FILE ID: RRF005 = VN085117.D RRF020 = VN085118.D RRF050 = VN085119.D
RRF100 = VN085120.D RRF150 = VN085121.D RRF =

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	2.072	2.467	2.334	2.565	2.563		2.400	8.6
Chloromethane	2.058	2.093	2.013	2.202	2.256		2.124	4.8
Vinyl Chloride	2.171	2.147	2.026	2.258	2.263		2.173	4.5
Bromomethane	1.578	1.334	1.261	1.364	1.361		1.380	8.6
Chloroethane	1.331	1.302	1.259	1.382	1.401		1.335	4.4
Trichlorofluoromethane	3.495	3.461	3.321	3.725	3.781		3.557	5.4
1,1,2-Trichlorotrifluoroethane	1.976	1.924	1.900	2.062	2.084		1.989	4.1
1,1-Dichloroethene	1.669	1.752	1.743	1.978	1.993		1.827	8.1
Acrolein	0.309	0.255	0.299	0.338	0.365		0.313	13.2
Acrylonitrile	0.809	0.837	0.858	0.977	0.994		0.895	9.4
Acetone	0.217	0.228	0.233	0.270	0.264		0.243	9.6
Carbon Disulfide	5.377	5.368	5.062	5.709	5.789		5.461	5.4
Methyl tert-Butyl Ether	4.744	5.454	5.524	6.311	6.507		5.708	12.5
Methyl Acetate	2.041	2.062	2.033	2.305	2.337		2.155	7
Methylene Chloride	2.198	2.012	1.927	2.127	2.100		2.073	5.1
trans-1,2-Dichloroethene	1.876	1.799	1.782	2.012	2.027		1.899	6.1
1,1-Dichloroethane	3.621	3.416	3.269	3.705	3.693		3.541	5.4
Cyclohexane	0.458	0.563	0.563	0.591	0.584		0.552	9.8
2-Butanone	0.207	0.217	0.218	0.235	0.234		0.222	5.4
Carbon Tetrachloride	0.619	0.587	0.566	0.591	0.593		0.591	3.2
2,2-Dichloropropane	0.624	0.608	0.602	0.636	0.634		0.621	2.5
cis-1,2-Dichloroethene	2.011	2.125	2.092	2.320	2.366		2.183	7
Chloroform	3.779	3.635	3.508	3.813	3.814		3.710	3.6
1,1,1-Trichloroethane	0.683	0.665	0.619	0.657	0.652		0.655	3.6
Methylcyclohexane	0.453	0.481	0.526	0.579	0.593		0.526	11.5
1,1-Dichloropropene	0.458	0.482	0.468	0.506	0.506		0.484	4.5
Benzene	1.581	1.501	1.456	1.543	1.523		1.521	3.1
1,2-Dichloroethane	0.564	0.505	0.491	0.518	0.510		0.518	5.4
Trichloroethene	0.367	0.356	0.344	0.373	0.371		0.362	3.4
1,2-Dichloropropane	0.388	0.370	0.351	0.366	0.368		0.368	3.7

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

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.: P5283 SAS No.: P5283 SDG No.: P5283

Instrument ID: MSVOA_N Calibration Date(s): 12/06/2024 12/06/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:02 11:37

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

LAB FILE ID: RRF005 = VN085117.D RRF020 = VN085118.D RRF050 = VN085119.D
RRF100 = VN085120.D RRF150 = VN085121.D RRF =

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
Dibromomethane	0.274	0.266	0.253	0.263	0.264		0.264	2.8
Bromodichloromethane	0.596	0.554	0.541	0.565	0.568		0.565	3.6
4-Methyl-2-Pentanone	0.431	0.494	0.483	0.524	0.516		0.490	7.5
Toluene	1.780	1.713	1.680	1.799	1.777		1.750	2.9
t-1,3-Dichloropropene	0.518	0.517	0.541	0.592	0.603		0.554	7.4
cis-1,3-Dichloropropene	0.581	0.590	0.583	0.629	0.636		0.604	4.4
1,1,2-Trichloroethane	0.387	0.355	0.336	0.353	0.349		0.356	5.2
1,3-Dichloropropane	0.598	0.585	0.582	0.607	0.606		0.596	2
2-Hexanone	0.314	0.376	0.371	0.402	0.391		0.371	9.2
Dibromochloromethane	0.455	0.426	0.413	0.438	0.438		0.434	3.7
1,2-Dibromoethane	0.358	0.348	0.348	0.371	0.369		0.359	3.1
Tetrachloroethene	0.407	0.358	0.342	0.359	0.351		0.363	7
Chlorobenzene	1.074	1.056	1.037	1.121	1.113		1.080	3.3
1,1,1,2-Tetrachloroethane	0.432	0.384	0.384	0.413	0.404		0.403	5
Hexachloroethane	0.273	0.275	0.271	0.304	0.304		0.285	6
Ethyl Benzene	1.626	1.739	1.845	2.032	2.041		1.857	9.8
m/p-Xylenes	0.601	0.713	0.706	0.775	0.775		0.714	10
o-Xylene	0.561	0.648	0.681	0.734	0.729		0.671	10.5
Styrene	0.892	1.097	1.164	1.270	1.266		1.138	13.7
Bromoform	0.294	0.275	0.282	0.301	0.302		0.291	4.1
Isopropylbenzene	1.409	1.656	1.747	1.932	1.903		1.730	12.3
1,1,2,2-Tetrachloroethane	0.551	0.532	0.503	0.526	0.521		0.526	3.3
1,2,3-Trichloropropane	0.582	0.533	0.473	0.510	0.502		0.520	7.9
Bromobenzene	0.411	0.420	0.422	0.462	0.451		0.433	5.1
n-propylbenzene	1.744	2.020	2.082	2.286	2.264		2.079	10.6
2-Chlorotoluene	1.143	1.271	1.266	1.378	1.371		1.286	7.5
1,3,5-Trimethylbenzene	1.241	1.441	1.488	1.630	1.609		1.482	10.6
4-Chlorotoluene	1.212	1.262	1.274	1.399	1.378		1.305	6.1
tert-butylbenzene	0.978	1.173	1.226	1.368	1.340		1.217	12.8
1,2,4-Trimethylbenzene	1.151	1.429	1.499	1.644	1.596		1.464	13.2

* 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.

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.: P5283 SAS No.: P5283 SDG No.: P5283

Instrument ID: MSVOA_N Calibration Date(s): 12/06/2024 12/06/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:02 11:37

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

LAB FILE ID: RRF005 = VN085117.D RRF020 = VN085118.D RRF050 = VN085119.D
RRF100 = VN085120.D RRF150 = VN085121.D RRF =

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
sec-Butylbenzene	1.421	1.669	1.727	1.927	1.901		1.729	11.8
p-Isopropyltoluene	1.090	1.372	1.460	1.626	1.620		1.434	15.4
1,3-Dichlorobenzene	0.779	0.765	0.772	0.842	0.816		0.795	4.1
1,4-Dichlorobenzene	0.725	0.742	0.759	0.829	0.818		0.775	6
n-Butylbenzene	0.903	1.085	1.230	1.399	1.395		1.203	17.6
1,2-Dichlorobenzene	0.743	0.721	0.734	0.787	0.767		0.750	3.5
1,2-Dibromo-3-Chloropropane	0.095	0.103	0.101	0.112	0.116		0.105	8
1,2,4-Trichlorobenzene	0.280	0.342	0.364	0.421	0.431		0.367	16.8
Hexachlorobutadiene	0.206	0.184	0.173	0.196	0.196		0.191	6.7
Naphthalene	0.704	0.971	1.176	1.410	1.447		1.142	27.3
1,2,3-Trichlorobenzene	0.280	0.342	0.364	0.421	0.431		0.367	16.8
1,2-Dichloroethane-d4	2.462	2.393	2.263	2.370	2.414		2.380	3.1
Toluene-d8	1.462	1.443	1.392	1.372	1.367		1.407	3.1
4-Bromofluorobenzene	0.479	0.495	0.500	0.509	0.499		0.496	2.2
Methyl Iodide	2.117	2.346	2.450	2.826	2.930		2.534	13.4
Methyl methacrylate	0.299	0.343	0.346	0.382	0.388		0.352	10.1

* 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 : 624N120624W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Fri Dec 06 22:50:42 2024
Response Via : Initial Calibration

Calibration Files
5 =VN085117.D 20 =VN085118.D 50 =VN085119.D 100 =VN085120.D 150 =VN085121.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	2.072	2.467	2.334	2.565	2.562	2.400	8.60
3)	M	Chloromethane	2.058	2.093	2.013	2.202	2.256	2.124	4.77
4)	M	Vinyl Chloride	2.171	2.147	2.026	2.258	2.263	2.173	4.46
5)	M	Bromomethane	1.578	1.334	1.261	1.364	1.361	1.380	8.58
6)	M	Chloroethane	1.331	1.302	1.259	1.382	1.401	1.335	4.35
7)	M	Trichlorofluorom...	3.495	3.461	3.321	3.725	3.781	3.557	5.39
8)	T	Diethyl Ether	0.973	1.048	1.090	1.254	1.268	1.127	11.54
9)		1,1,2-Trichlorot...	1.976	1.924	1.900	2.062	2.084	1.989	4.10
10)	M	1,1-Dichloroethene	1.669	1.752	1.743	1.978	1.993	1.827	8.12
11)		Methyl Iodide	2.117	2.346	2.450	2.826	2.930	2.534	13.36
12)		Methyl Acetate	2.041	2.062	2.033	2.305	2.337	2.155	7.04
13)	M	Acrolein	0.309	0.255	0.299	0.338	0.365	0.313	13.19
14)	M	Acrylonitrile	0.809	0.837	0.858	0.977	0.994	0.895	9.44
15)	M	Acetone	0.217	0.228	0.233	0.270	0.264	0.243	9.61
16)	M	Carbon Disulfide	5.377	5.368	5.062	5.709	5.789	5.461	5.37
17)		Allyl chloride	2.340	2.399	2.527	2.903	2.903	2.614	10.40
18)	M	Methylene Chloride	2.198	2.012	1.927	2.127	2.100	2.073	5.07
19)	M	trans-1,2-Dichlo...	1.876	1.799	1.782	2.012	2.027	1.899	6.09
20)	T	Diisopropyl ether	5.145	5.673	5.547	6.154	6.167	5.737	7.55
21)	M	1,1-Dichloroethane	3.621	3.416	3.269	3.705	3.693	3.541	5.39
22)	M	cis-1,2-Dichloro...	2.011	2.125	2.092	2.320	2.366	2.183	7.00
23)	M	tert-Butyl Alcohol	0.280	0.294	0.296	0.365	0.371	0.321	13.45
24)	M	Methyl tert-Buty...	4.744	5.454	5.524	6.311	6.507	5.708	12.48
25)	M	Chloroform	3.779	3.635	3.508	3.813	3.814	3.710	3.63
26)		Cyclohexane	2.265	2.925	2.915	3.239	3.234	2.916	13.60
27)	s	1,2-Dichloroetha...	2.462	2.393	2.263	2.370	2.414	2.380	3.10
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.458	0.482	0.468	0.506	0.506	0.484	4.49
30)	M	2-Butanone	0.207	0.217	0.218	0.235	0.234	0.222	5.37
31)		2,2-Dichloropropane	0.624	0.608	0.602	0.636	0.634	0.621	2.51
32)	M	1,1,1-Trichloroe...	0.683	0.665	0.619	0.657	0.652	0.655	3.60
33)	M	Carbon Tetrachlo...	0.619	0.587	0.566	0.591	0.593	0.591	3.16
34)	M	Benzene	1.581	1.501	1.456	1.543	1.523	1.521	3.09
35)		Methacrylonitrile	0.223	0.250	0.259	0.258	0.260	0.250	6.27
36)	M	1,2-Dichloroethane	0.564	0.505	0.491	0.518	0.510	0.518	5.39
37)	M	Trichloroethene	0.367	0.356	0.344	0.373	0.371	0.362	3.40
38)		Methylcyclohexane	0.453	0.481	0.526	0.579	0.593	0.526	11.51
39)	M	1,2-Dichloropropane	0.388	0.370	0.351	0.366	0.368	0.368	3.66
40)		Dibromomethane	0.274	0.266	0.253	0.263	0.264	0.264	2.84
41)	M	Bromodichloromet...	0.596	0.554	0.541	0.565	0.568	0.565	3.61
42)	M	Vinyl Acetate	0.638	0.747	0.796	0.861	0.845	0.777	11.56
43)		Ethyl Acetate	0.436	0.404	0.441	0.467	0.462	0.442	5.73
44)		Isopropyl Acetate	0.740	0.746	0.749	0.793	0.813	0.768	4.24
45)	T	1,4-Dioxane	0.005	0.006	0.006	0.007	0.007	0.006	9.00
46)		Methyl methacrylate	0.299	0.343	0.346	0.382	0.388	0.352	10.10
47)		n-amyl Acetate	0.520	0.619	0.656	0.720	0.716	0.646	12.76
48)	M	t-1,3-Dichloropr...	0.518	0.517	0.541	0.592	0.603	0.554	7.36
49)	T	cis-1,3-Dichloro...	0.581	0.590	0.583	0.629	0.636	0.604	4.41
50)	M	1,1,2-Trichloroe...	0.387	0.355	0.336	0.353	0.349	0.356	5.23
51)		Ethyl methacrylate	0.441	0.506	0.542	0.607	0.612	0.542	13.27
52)		1,3-Dichloropropane	0.598	0.585	0.582	0.607	0.606	0.596	1.96
53)	M	Dibromochloromet...	0.455	0.426	0.413	0.438	0.438	0.434	3.66
54)	M	1,2-Dibromoethane	0.358	0.348	0.348	0.371	0.369	0.359	3.14
55)	M	2-Chloroethyl vi...	0.200	0.247	0.258	0.284	0.269	0.252	12.73
56)	M	Bromoform	0.294	0.275	0.282	0.301	0.302	0.291	4.06

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N120624W.M

57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.431	0.494	0.483	0.524	0.516	0.490	7.51
59)	M	2-Hexanone	0.314	0.376	0.371	0.402	0.391	0.371	9.15
60)	S	4-Bromofluoroben...	0.479	0.495	0.500	0.509	0.499	0.496	2.21
61)	M	Tetrachloroethene	0.407	0.358	0.342	0.359	0.351	0.363	6.99
62)	M	Toluene	1.780	1.713	1.680	1.799	1.777	1.750	2.88
63)	S	Toluene-d8	1.462	1.443	1.392	1.372	1.367	1.407	3.05
64)	M	Chlorobenzene	1.074	1.056	1.037	1.121	1.113	1.080	3.34
65)		1,1,1,2-Tetrachl...	0.432	0.384	0.384	0.413	0.404	0.403	5.03
66)	M	Ethyl Benzene	1.626	1.739	1.845	2.032	2.041	1.857	9.77
67)	M	m/p-Xylenes	0.601	0.713	0.706	0.775	0.775	0.714	10.00
68)	M	o-Xylene	0.561	0.648	0.681	0.734	0.729	0.671	10.54
69)	M	Styrene	0.892	1.097	1.164	1.270	1.266	1.138	13.68
70)		Isopropylbenzene	1.409	1.656	1.747	1.932	1.903	1.730	12.25
71)	M	1,1,2,2-Tetrachl...	0.551	0.532	0.503	0.526	0.521	0.526	3.31
72)		1,2,3-Trichlorop...	0.582	0.533	0.473	0.510	0.502	0.520	7.87
73)		Bromobenzene	0.411	0.420	0.422	0.462	0.451	0.433	5.09
74)		n-propylbenzene	1.744	2.020	2.082	2.286	2.264	2.079	10.56
75)		2-Chlorotoluene	1.143	1.271	1.266	1.378	1.371	1.286	7.45
76)		1,3,5-Trimethylb...	1.241	1.441	1.488	1.630	1.609	1.482	10.57
77)		t-1,4-Dichloro-2...	0.159	0.179	0.184	0.212	0.212	0.189	11.96
78)		4-Chlorotoluene	1.212	1.262	1.274	1.399	1.378	1.305	6.13
79)		tert-butylbenzene	0.978	1.173	1.226	1.368	1.340	1.217	12.78
80)		1,2,4-Trimethylb...	1.151	1.429	1.499	1.644	1.596	1.464	13.23
81)		sec-Butylbenzene	1.421	1.669	1.727	1.927	1.901	1.729	11.83
82)		p-Isopropyltoluene	1.090	1.372	1.460	1.626	1.620	1.434	15.36
83)	M	1,3-Dichlorobenzene	0.779	0.765	0.772	0.842	0.816	0.795	4.10
84)	M	1,4-Dichlorobenzene	0.725	0.742	0.759	0.829	0.818	0.775	6.00
85)		n-Butylbenzene	0.903	1.085	1.230	1.399	1.395	1.203	17.63
86)	T	Hexachloroethane	0.273	0.275	0.271	0.304	0.304	0.285	6.00
87)	M	1,2-Dichlorobenzene	0.743	0.721	0.734	0.787	0.767	0.750	3.51
88)		1,2-Dibromo-3-Ch...	0.095	0.103	0.101	0.112	0.116	0.105	8.00
89)		1,2,4-Trichlorob...	0.280	0.342	0.364	0.421	0.431	0.367	16.83
90)		Hexachlorobutadiene	0.206	0.184	0.173	0.196	0.196	0.191	6.66
91)	M	Naphthalene	0.704	0.971	1.176	1.410	1.447	1.142	27.26
92)		1,2,3-Trichlorob...	0.280	0.342	0.364	0.421	0.431	0.367	16.83

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085117.D
Acq On : 06 Dec 2024 10:02
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 06 22:28:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	29169	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	144230	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	136167	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	71806	31.025	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.400%				
60) 4-Bromofluorobenzene	12.847	95	65235	28.954	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.500%				
63) Toluene-d8	10.565	98	199139	31.177	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.933%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	10073	4.316	ug/l		100
3) Chloromethane	2.359	50	10004	4.843	ug/l		96
4) Vinyl Chloride	2.518	62	10554	4.995	ug/l	#	88
5) Bromomethane	2.953	94	7670	5.718	ug/l		97
6) Chloroethane	3.124	64	6472	4.986	ug/l	#	87
7) Trichlorofluoromethane	3.500	101	16991	4.913	ug/l		98
8) Diethyl Ether	3.965	74	4729	4.317	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.365	101	9605m	4.967	ug/l		
10) 1,1-Dichloroethene	4.342	96	8113	4.567	ug/l		92
11) Methyl Iodide	4.594	142	10293m	4.178	ug/l		
12) Methyl Acetate	5.030	43	9920	4.734	ug/l		99
13) Acrolein	4.189	56	7501	24.630	ug/l		87
14) Acrylonitrile	5.706	53	19671m	22.606	ug/l		
15) Acetone	4.418	58	5274	22.365	ug/l		85
16) Carbon Disulfide	4.706	76	26140	4.923	ug/l		96
17) Allyl chloride	5.024	41	11376	4.476	ug/l		89
18) Methylene Chloride	5.271	84	10687	5.302	ug/l	#	83
19) trans-1,2-Dichloroethene	5.789	96	9118	4.938	ug/l	#	79
20) Diisopropyl ether	6.659	45	25012m	4.484	ug/l		
21) 1,1-Dichloroethane	6.571	63	17605	5.113	ug/l		95
22) cis-1,2-Dichloroethene	7.488	96	9776	4.606	ug/l		96
23) tert-Butyl Alcohol	5.518	59	6813m	21.825	ug/l		
24) Methyl tert-Butyl Ether	5.794	73	23064	4.159	ug/l	#	73
25) Chloroform	7.959	83	18374	5.094	ug/l		96
26) Cyclohexane	8.253	56	11013	3.885	ug/l	#	89
29) 1,1-Dichloropropene	8.371	75	11010	4.731	ug/l		97
30) 2-Butanone	7.477	43	24858	23.275	ug/l	#	97
31) 2,2-Dichloropropane	7.488	77	14990	5.023	ug/l	#	100
32) 1,1,1-Trichloroethane	8.171	97	16430	5.216	ug/l		96
33) Carbon Tetrachloride	8.359	117	14874	5.233	ug/l	#	95
34) Benzene	8.606	78	38013	5.199	ug/l	#	92
35) Methacrylonitrile	7.777	41	5355	4.455	ug/l		89
36) 1,2-Dichloroethane	8.671	62	13568	5.451	ug/l	#	93
37) Trichloroethene	9.347	130	8822	5.067	ug/l		92
38) Methylcyclohexane	9.600	83	10891	4.304	ug/l		98
39) 1,2-Dichloropropane	9.624	63	9337	5.273	ug/l		100
40) Dibromomethane	9.706	93	6598	5.194	ug/l		95
41) Bromodichloromethane	9.882	83	14332	5.278	ug/l	#	84
42) Vinyl Acetate	6.600	43	76634	20.505	ug/l	#	85

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085117.D
Acq On : 06 Dec 2024 10:02
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 06 22:28:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.559	43	10470	4.927 ug/l #	86
44) Isopropyl Acetate	8.682	43	17789	4.817 ug/l	98
45) 1,4-Dioxane	9.688	88	2638	85.662 ug/l #	78
46) Methyl methacrylate	9.682	41	7196	4.258 ug/l	92
47) n-amyl Acetate	12.494	43	12494	4.021 ug/l	97
48) t-1,3-Dichloropropene	10.835	75	12463	4.675 ug/l	93
49) cis-1,3-Dichloropropene	10.306	75	13955	4.809 ug/l	99
50) 1,1,2-Trichloroethane	11.018	97	9292	5.429 ug/l	91
51) Ethyl methacrylate	10.871	69	10590	4.068 ug/l	88
52) 1,3-Dichloropropane	11.159	76	14378	5.019 ug/l	98
53) Dibromochloromethane	11.353	129	10942	5.246 ug/l	98
54) 1,2-Dibromoethane	11.471	107	8602	4.988 ug/l	97
55) 2-Chloroethyl vinyl ether	10.159	63	23999	19.844 ug/l	98
56) Bromoform	12.576	173	7066	5.052 ug/l	95
58) 4-Methyl-2-Pentanone	10.441	43	48868	21.990 ug/l	99
59) 2-Hexanone	11.194	43	35678	21.188 ug/l	97
61) Tetrachloroethene	11.100	164	9241	5.604 ug/l	93
62) Toluene	10.629	91	40385	5.085 ug/l	96
64) Chlorobenzene	11.888	112	24379	4.972 ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.959	131	9796	5.352 ug/l	93
66) Ethyl Benzene	11.959	91	36907	4.380 ug/l	98
67) m/p-Xylenes	12.070	106	27271	8.414 ug/l	98
68) o-Xylene	12.394	106	12741	4.186 ug/l	97
69) Styrene	12.412	104	20235	3.918 ug/l	95
70) Isopropylbenzene	12.694	105	31980	4.073 ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	12502	5.232 ug/l	97
72) 1,2,3-Trichloropropane	12.988	75	13212m	5.597 ug/l	
73) Bromobenzene	12.976	156	9325	4.742 ug/l	94
74) n-propylbenzene	13.035	91	39585	4.194 ug/l	100
75) 2-Chlorotoluene	13.123	91	25942	4.445 ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	28160	4.187 ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	3618	4.218 ug/l	96
78) 4-Chlorotoluene	13.217	91	27508	4.644 ug/l	99
79) tert-butylbenzene	13.435	119	22204	4.019 ug/l	95
80) 1,2,4-Trimethylbenzene	13.482	105	26128	3.933 ug/l	100
81) sec-Butylbenzene	13.617	105	32252	4.109 ug/l	99
82) p-Isopropyltoluene	13.729	119	24743	3.803 ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	17680	4.900 ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	16455	4.680 ug/l	98
85) n-Butylbenzene	14.053	91	20500	3.756 ug/l	97
86) Hexachloroethane	14.335	117	6189	4.778 ug/l	84
87) 1,2-Dichlorobenzene	14.106	146	16856	4.950 ug/l	94
88) 1,2-Dibromo-3-Chloropr...	14.711	75	2146	4.495 ug/l	93
89) 1,2,4-Trichlorobenzene	15.835	180	6347	3.806 ug/l	91
90) Hexachlorobutadiene	15.494	225	4673	5.392 ug/l	93
91) Naphthalene	15.635	128	15972	3.083 ug/l #	95
92) 1,2,3-Trichlorobenzene	15.835	180	6347	3.806 ug/l	91

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

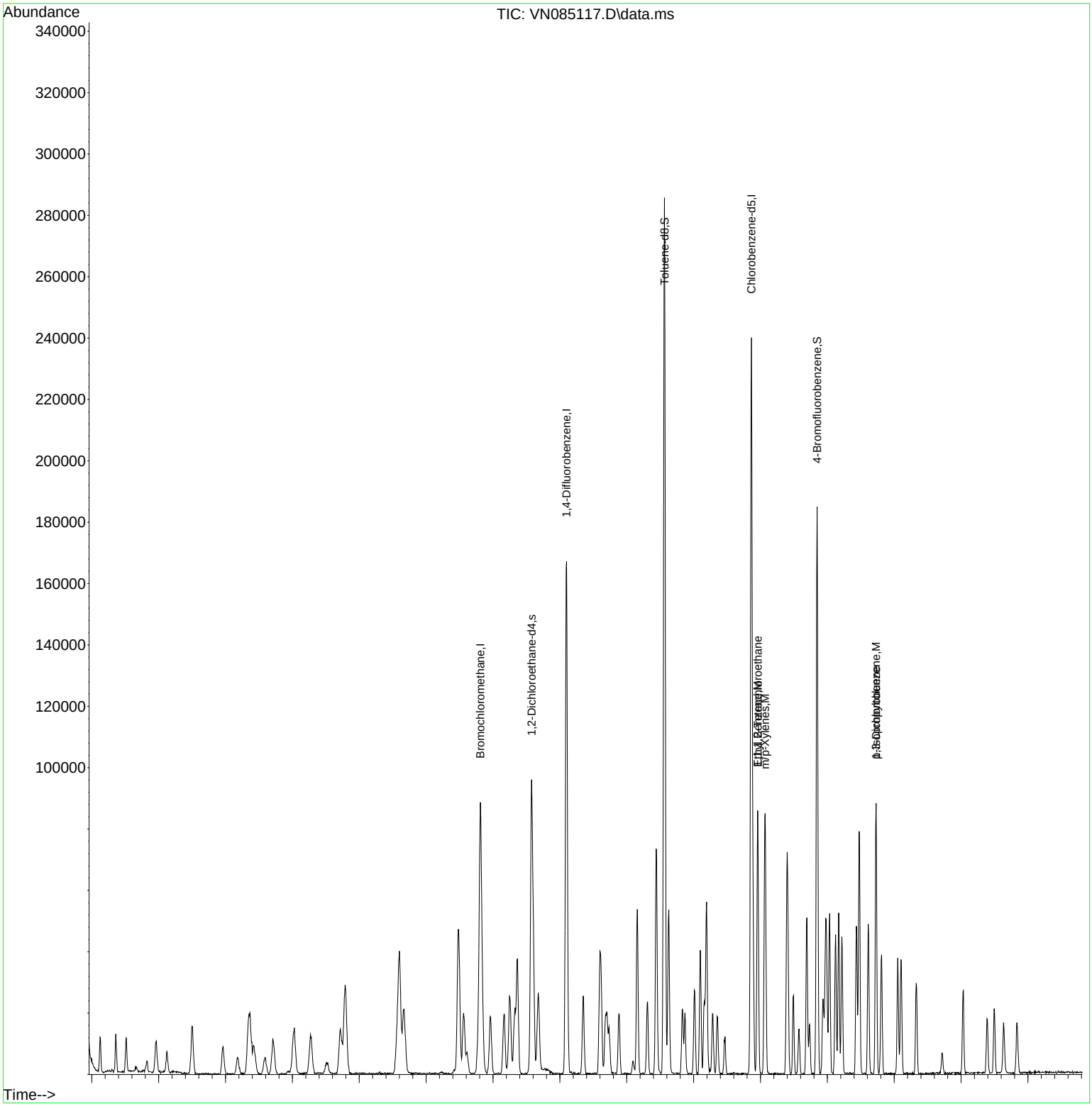
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Data File : VN085117.D
Acq On : 06 Dec 2024 10:02
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

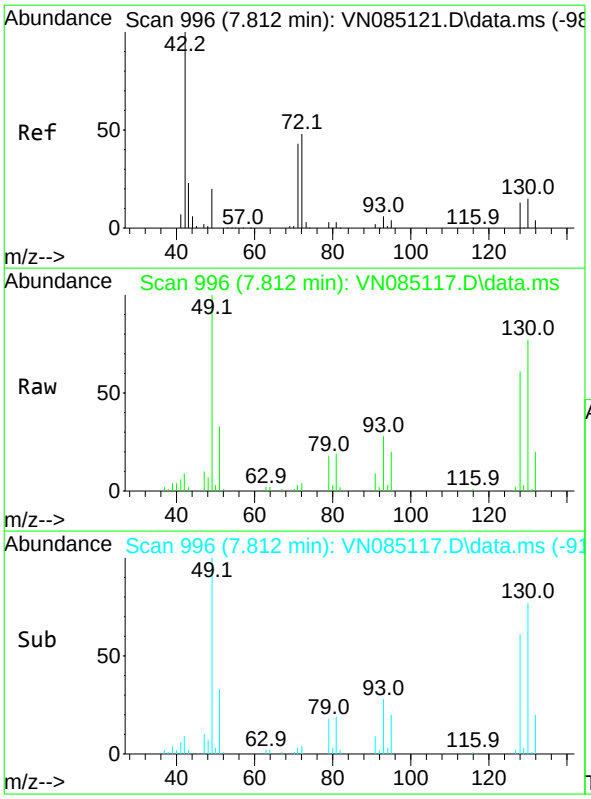
Quant Time: Dec 06 22:28:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

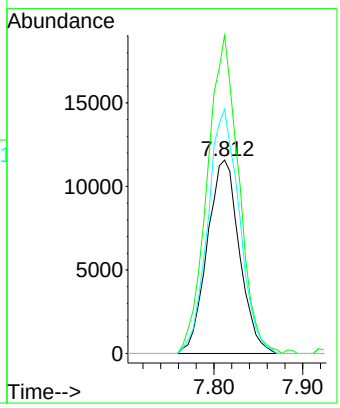




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:128 Resp: 29169

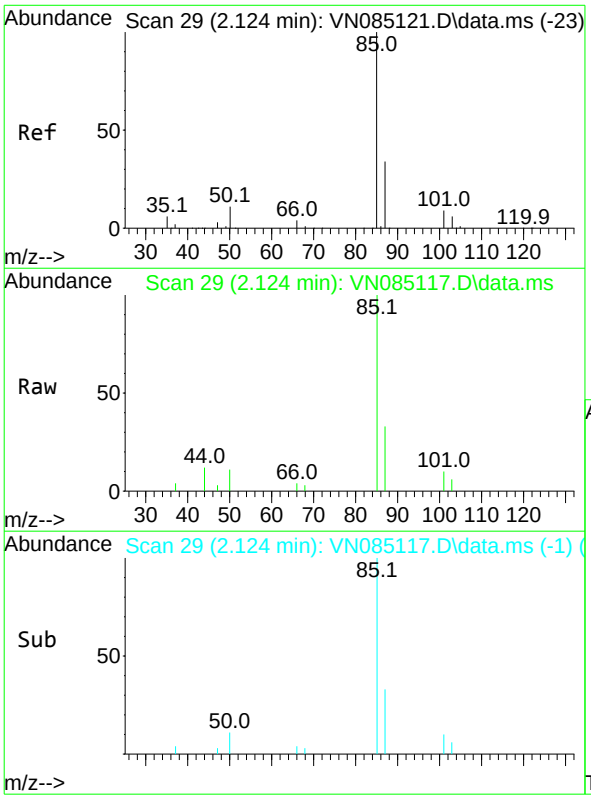
Ion	Ratio	Lower	Upper
128	100		
49	160.4	0.0	394.5
130	124.3	0.0	316.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

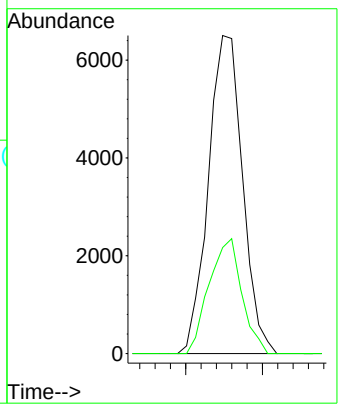
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

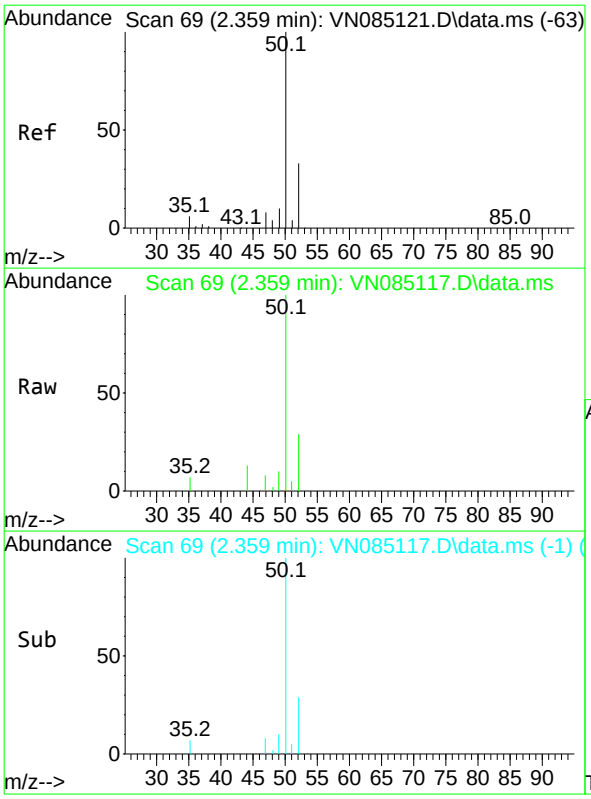


#2
Dichlorodifluoromethane
Concen: 4.316 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 85 Resp: 10073

Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.8	50.3

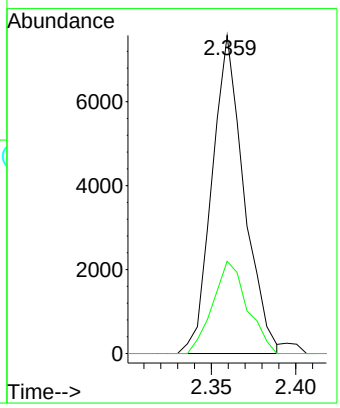




#3
Chloromethane
Concen: 4.843 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 50 Resp: 10004

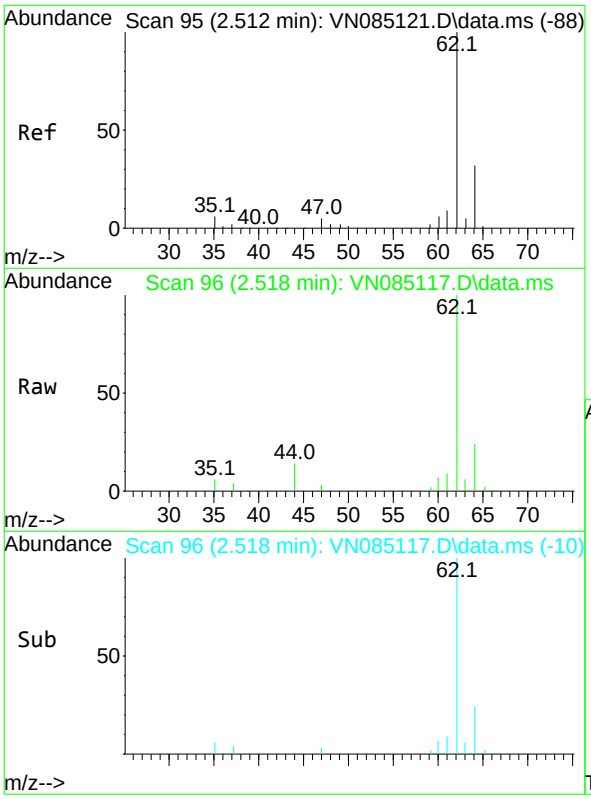
Ion	Ratio	Lower	Upper
50	100		
52	29.0	25.0	37.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

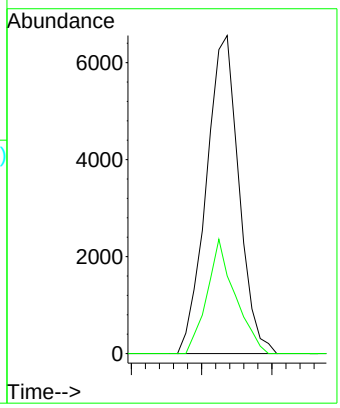
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

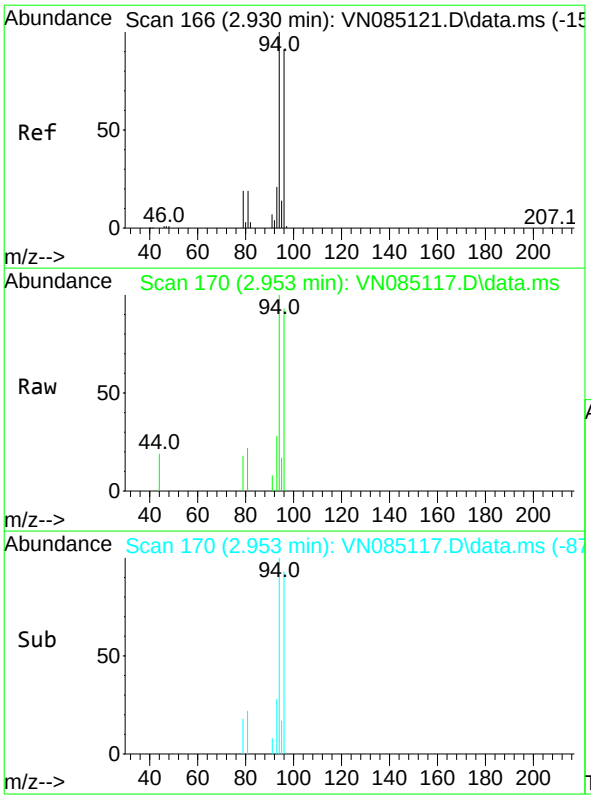


#4
Vinyl Chloride
Concen: 4.995 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 62 Resp: 10554

Ion	Ratio	Lower	Upper
62	100		
64	24.5	24.9	37.3#

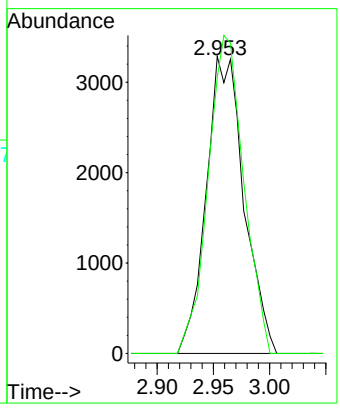




#5
Bromomethane
Concen: 5.718 ug/l
RT: 2.953 min Scan# 17
Delta R.T. -0.012 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 94 Resp: 7670

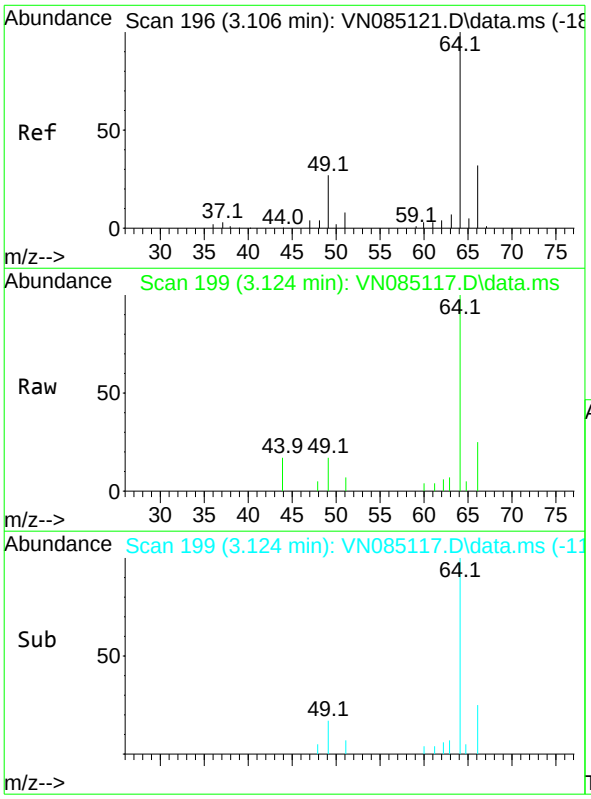
Ion	Ratio	Lower	Upper
94	100		
96	92.8	76.2	114.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

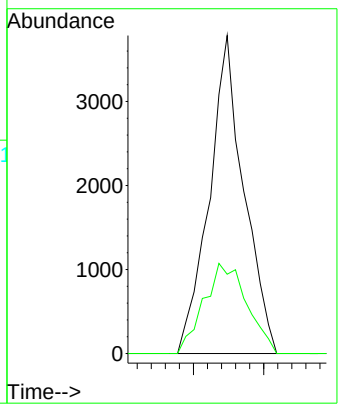
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

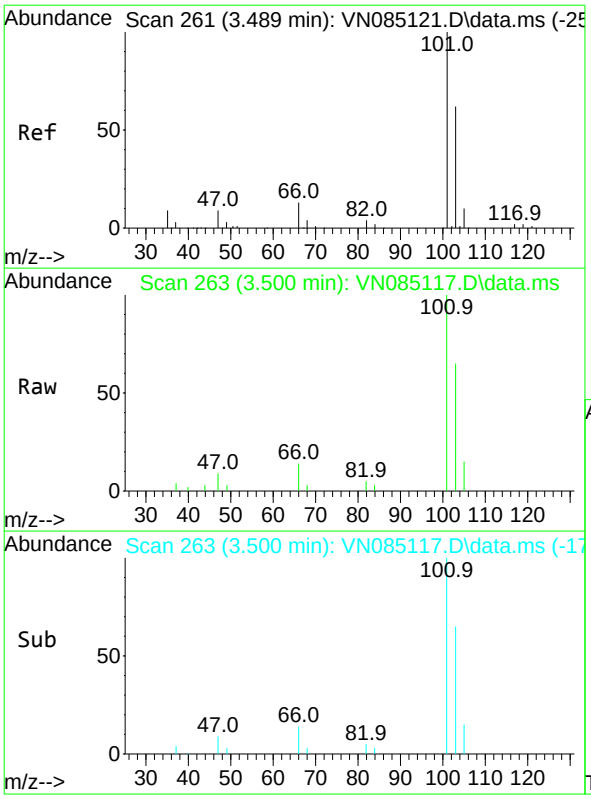


#6
Chloroethane
Concen: 4.986 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 64 Resp: 6472

Ion	Ratio	Lower	Upper
64	100		
66	24.9	25.5	38.3#

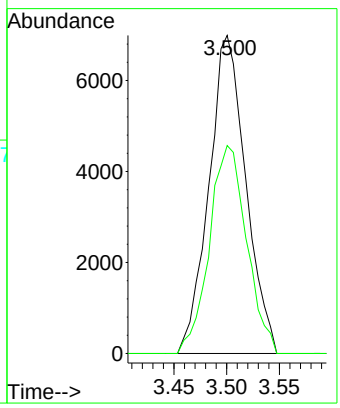




#7
Trichlorofluoromethane
Concen: 4.913 ug/l
RT: 3.500 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:101 Resp: 16991

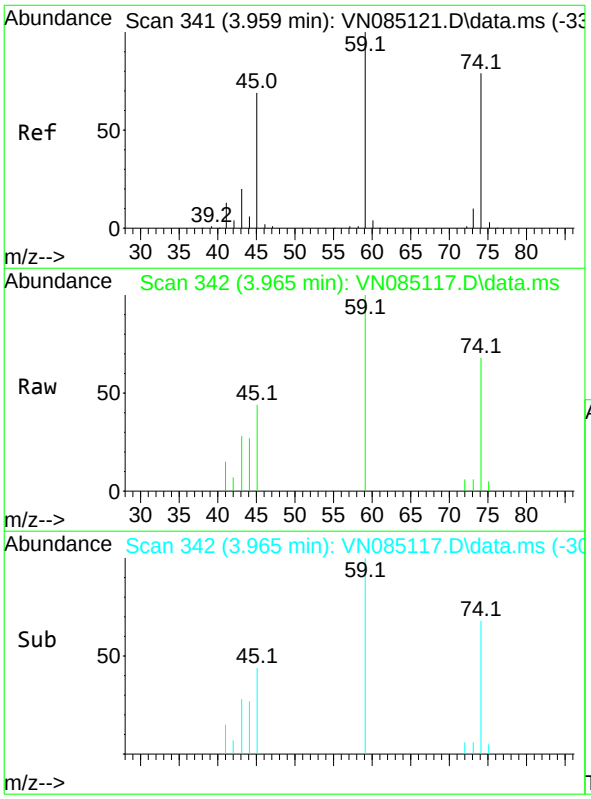
Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.3	76.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

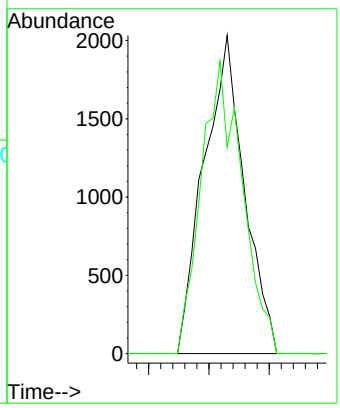
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

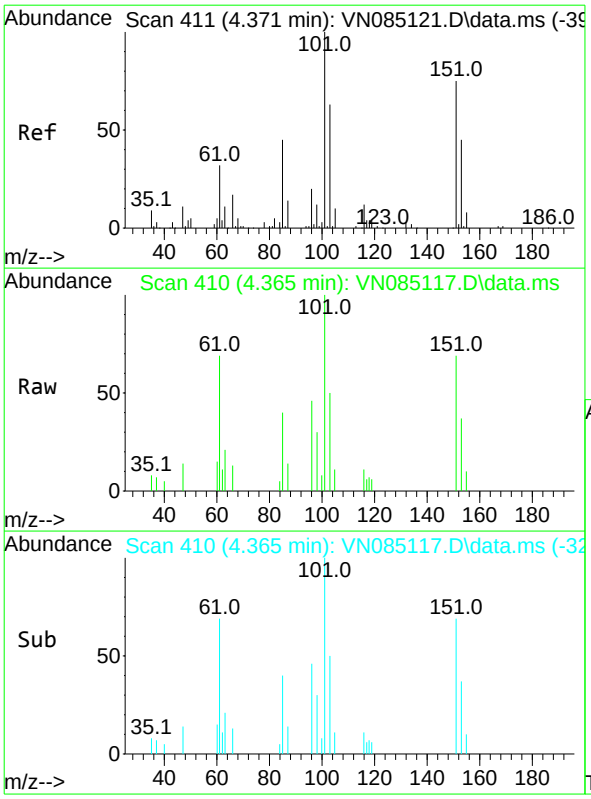


#8
Diethyl Ether
Concen: 4.317 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 74 Resp: 4729

Ion	Ratio	Lower	Upper
74	100		
45	92.9	18.6	167.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.967 ug/l m
RT: 4.365 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

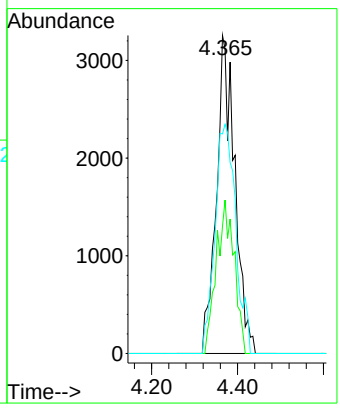
Tgt Ion:101 Resp: 9605

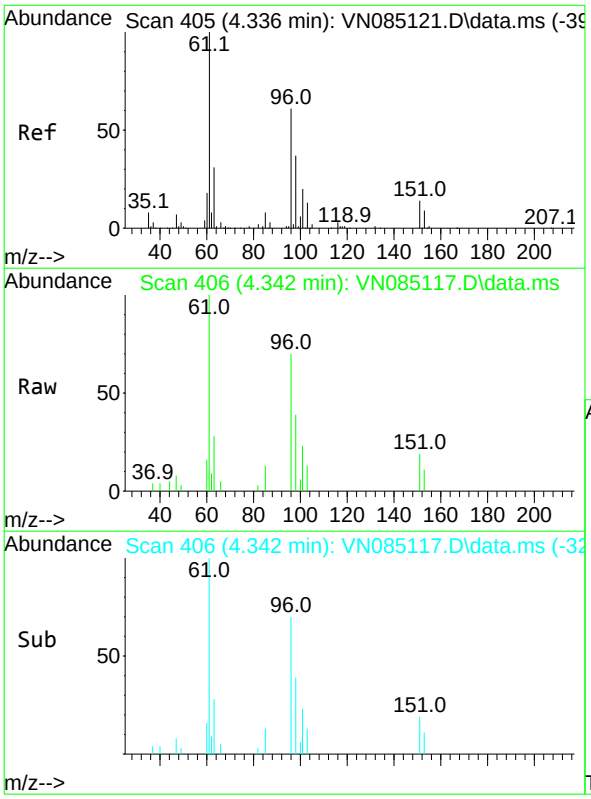
Ion	Ratio	Lower	Upper
101	100		
85	31.7	0.0	88.6
151	78.6	0.0	155.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

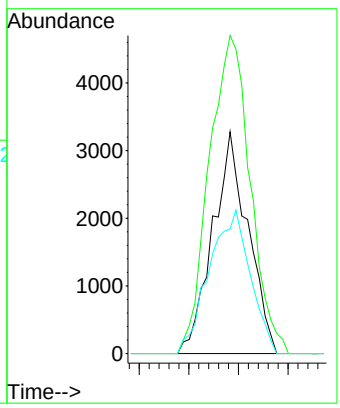


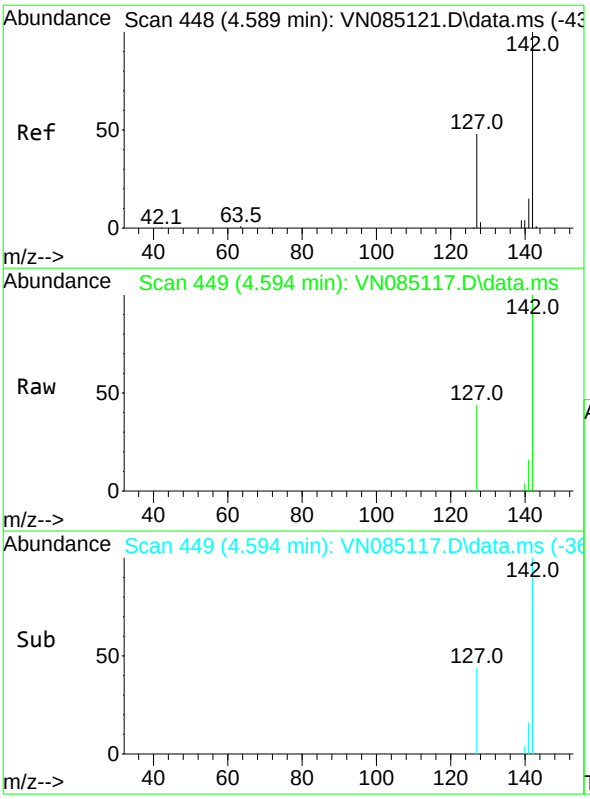


#10
1,1-Dichloroethene
Concen: 4.567 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 96 Resp: 8113

Ion	Ratio	Lower	Upper
96	100		
61	143.4	123.0	184.4
98	56.2	49.1	73.7

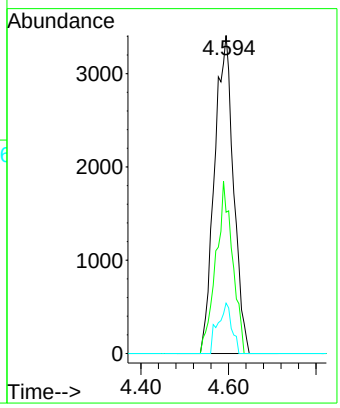




#11
Methyl Iodide
Concen: 4.178 ug/l m
RT: 4.594 min Scan# 44
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:142 Resp: 10293

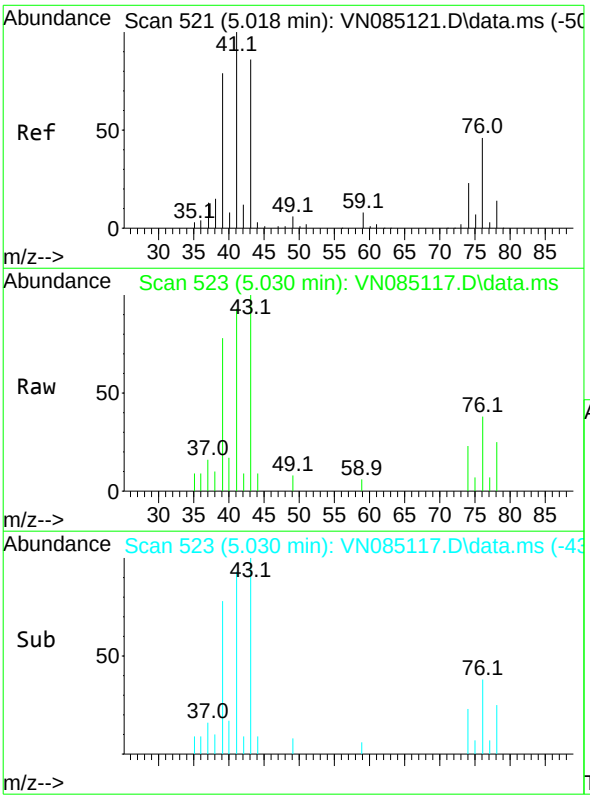
Ion	Ratio	Lower	Upper
142	100		
127	44.4	22.5	67.5
141	15.8	8.3	24.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

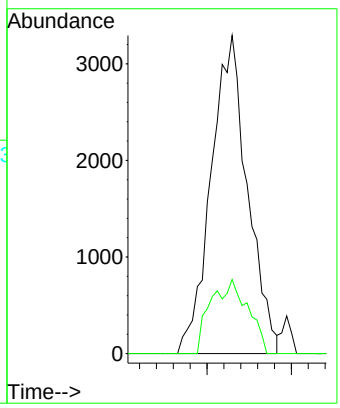
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

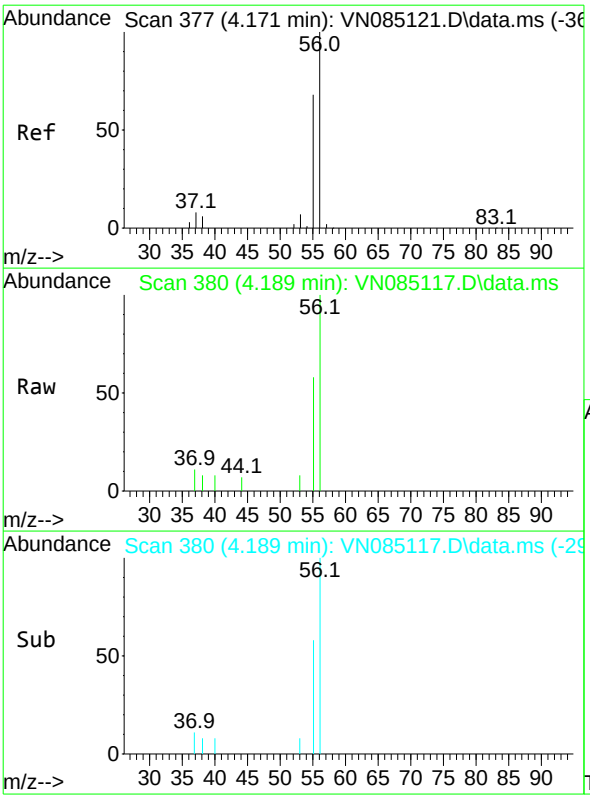


#12
Methyl Acetate
Concen: 4.734 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 43 Resp: 9920

Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.8	29.6

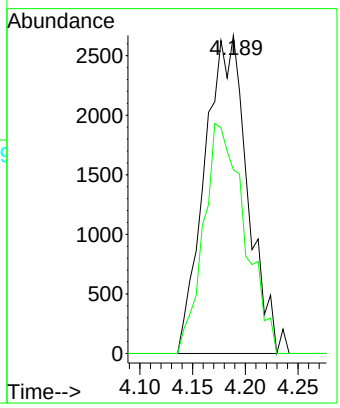




#13
Acrolein
Concen: 24.630 ug/l
RT: 4.189 min Scan# 38
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 56 Resp: 7501

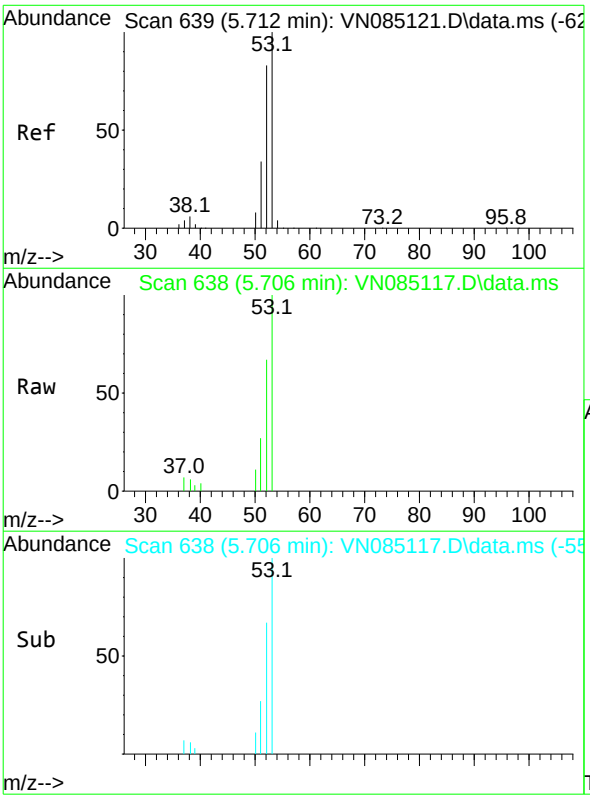
Ion	Ratio	Lower	Upper
56	100		
55	63.5	59.4	89.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

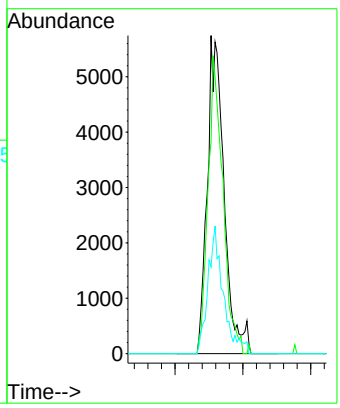
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

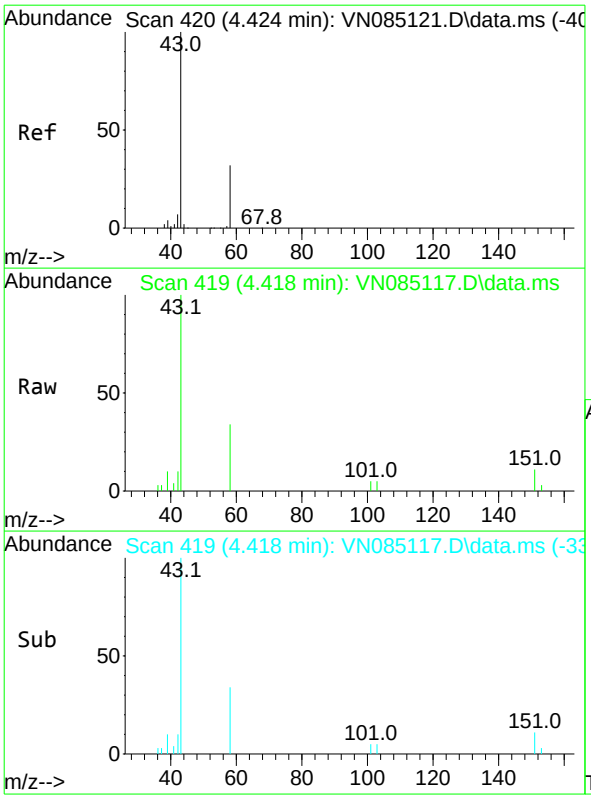


#14
Acrylonitrile
Concen: 22.606 ug/l m
RT: 5.706 min Scan# 638
Delta R.T. -0.012 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 53 Resp: 19671

Ion	Ratio	Lower	Upper
53	100		
52	82.5	42.9	128.5
51	33.7	17.2	51.5

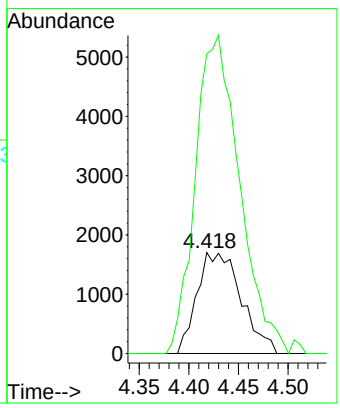




#15
Acetone
Concen: 22.365 ug/l
RT: 4.418 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 58 Resp: 5274

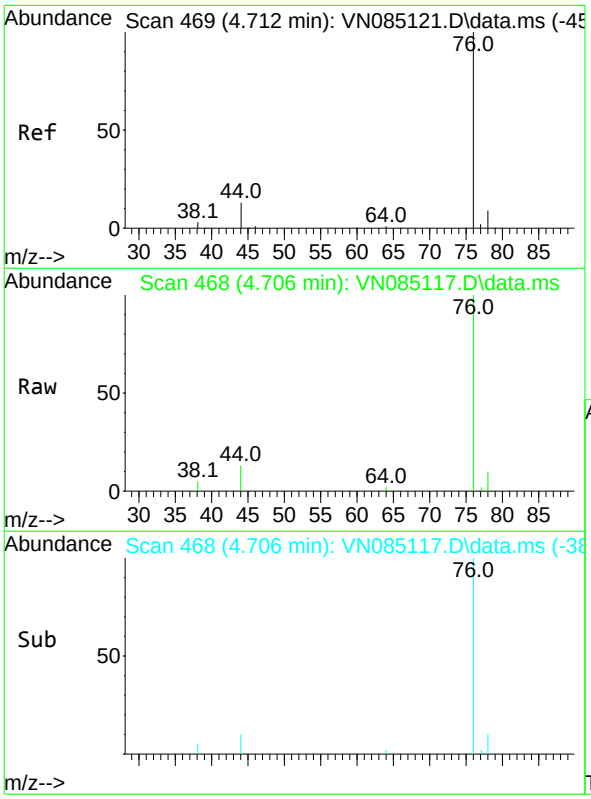
Ion	Ratio	Lower	Upper
58	100		
43	274.0	242.3	363.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

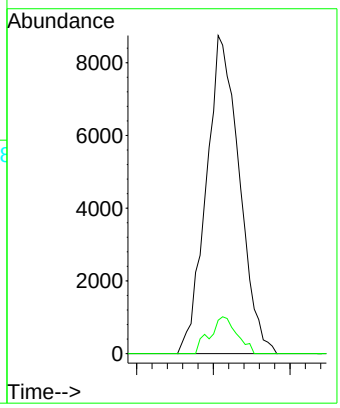
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

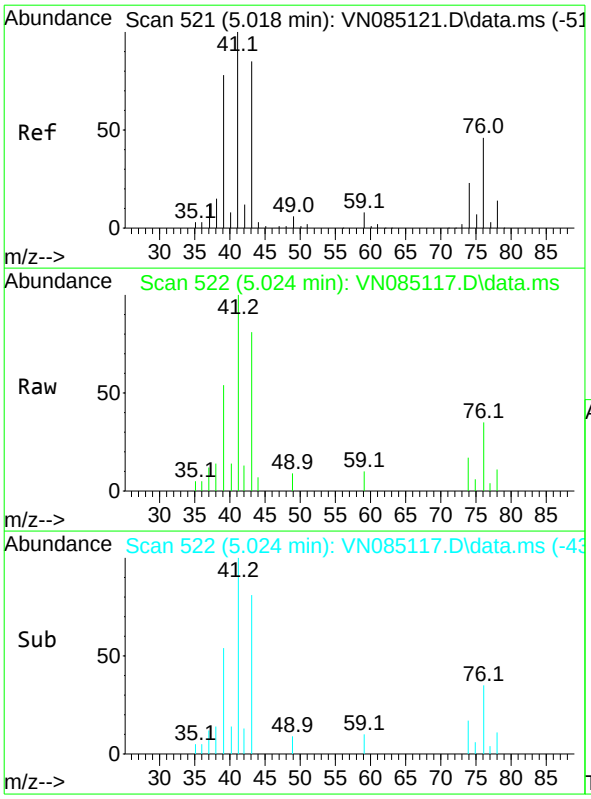


#16
Carbon Disulfide
Concen: 4.923 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 76 Resp: 26140

Ion	Ratio	Lower	Upper
76	100		
78	10.5	7.1	10.7

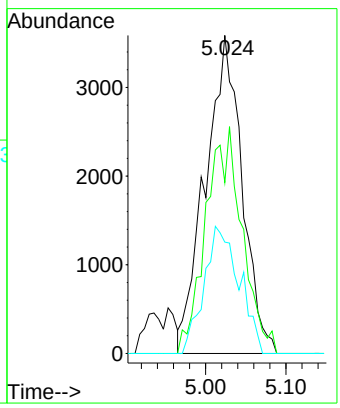




#17
Allyl chloride
Concen: 4.476 ug/l
RT: 5.024 min Scan# 52
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 41 Resp: 11376

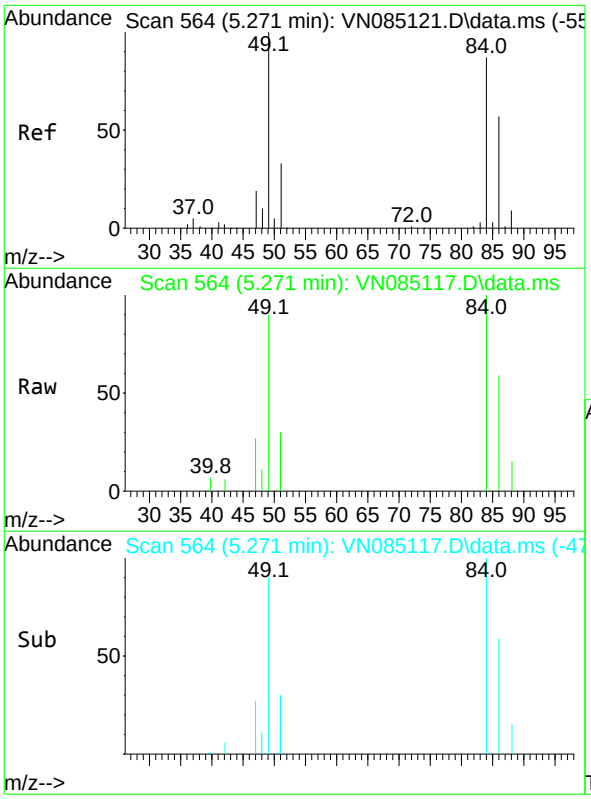
Ion	Ratio	Lower	Upper
41	100		
39	53.7	32.0	96.2
76	35.0	20.2	60.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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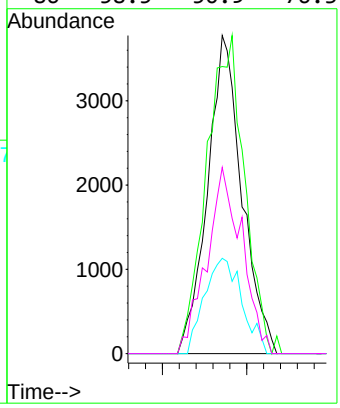
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

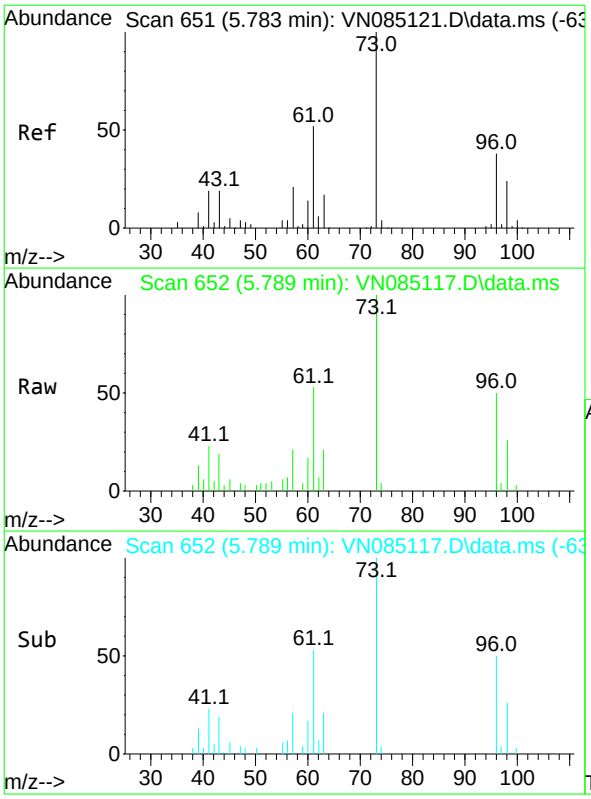


#18
Methylene Chloride
Concen: 5.302 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 84 Resp: 10687

Ion	Ratio	Lower	Upper
84	100		
49	90.3	95.1	142.7#
51	30.0	27.4	41.0
86	58.5	50.9	76.3

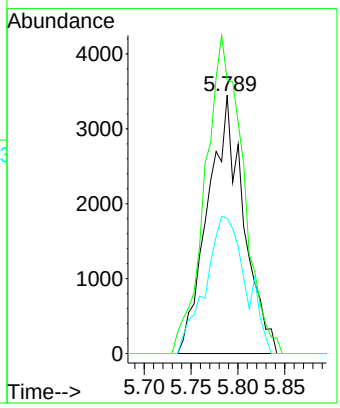




#19
trans-1,2-Dichloroethene
Concen: 4.938 ug/l
RT: 5.789 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 96 Resp: 9118

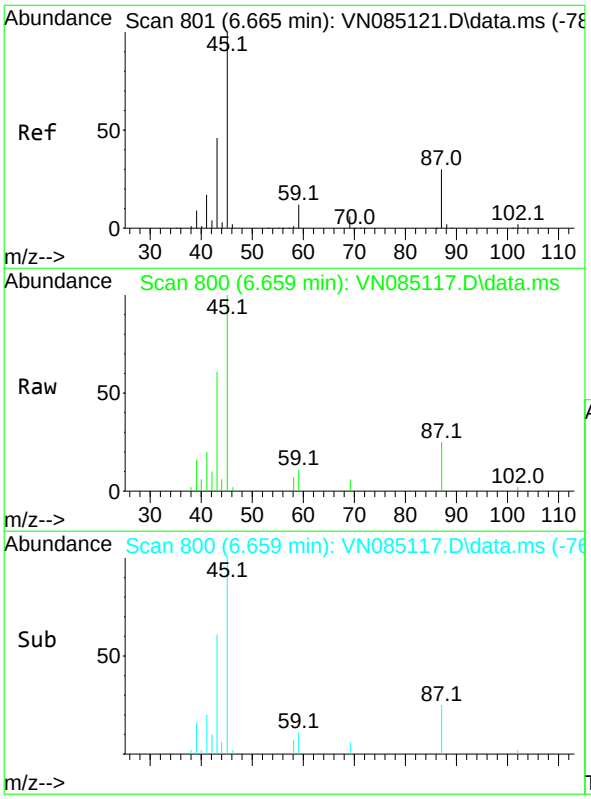
Ion	Ratio	Lower	Upper
96	100		
61	99.9	100.4	150.6#
98	52.3	52.6	79.0#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

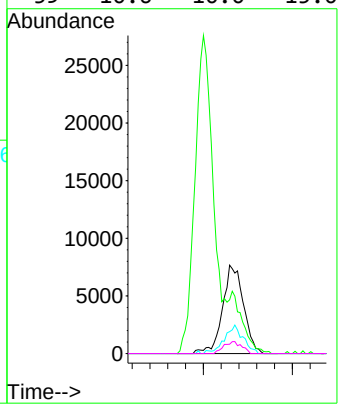
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

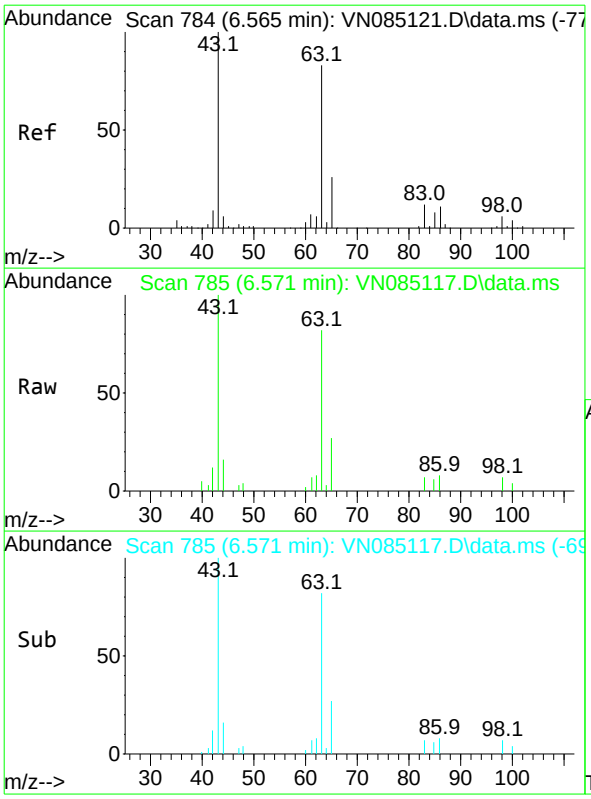


#20
Diisopropyl ether
Concen: 4.484 ug/l m
RT: 6.659 min Scan# 800
Delta R.T. -0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 45 Resp: 25012

Ion	Ratio	Lower	Upper
45	100		
43	60.8	41.9	62.9
87	24.8	24.1	36.1
59	10.6	10.0	15.0

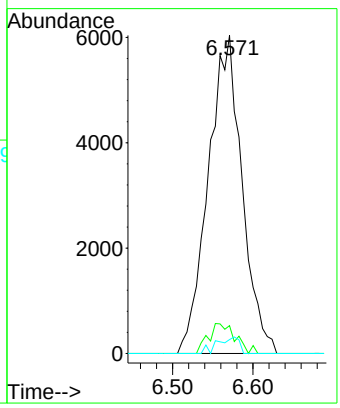




#21
1,1-Dichloroethane
Concen: 5.113 ug/l
RT: 6.571 min Scan# 78
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 63 Resp: 17605

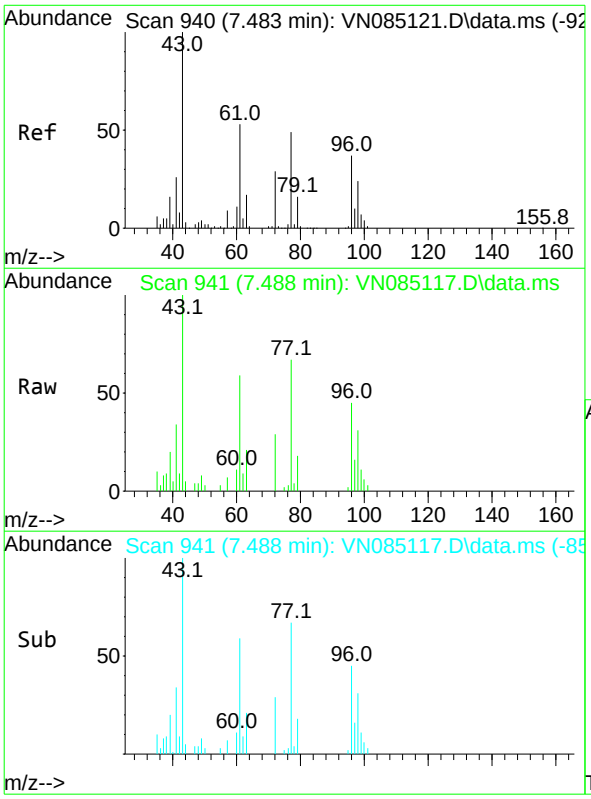
Ion	Ratio	Lower	Upper
63	100		
98	8.8	3.5	10.4
100	4.4	1.6	4.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

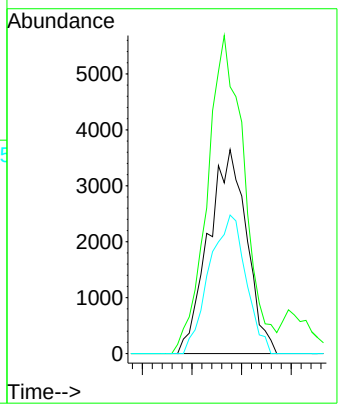
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

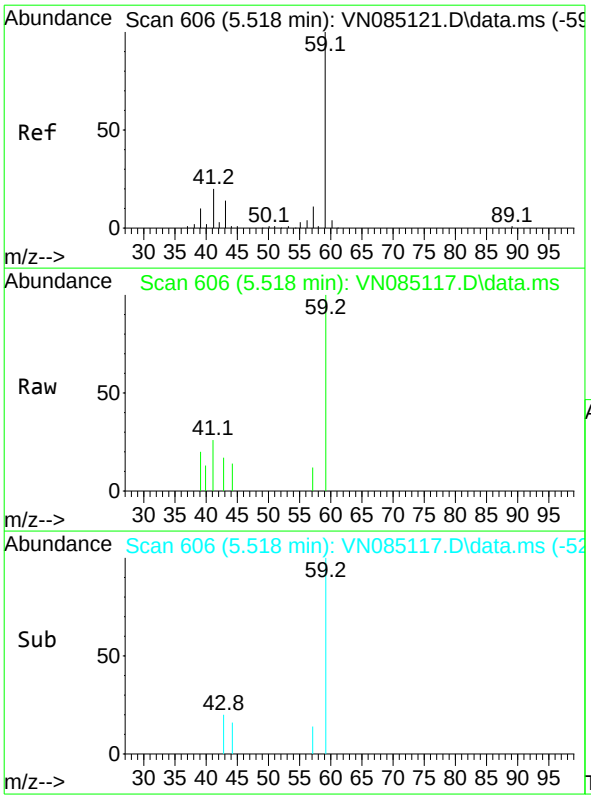


#22
cis-1,2-Dichloroethene
Concen: 4.606 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 96 Resp: 9776

Ion	Ratio	Lower	Upper
96	100		
61	151.1	115.9	173.9
98	65.0	51.8	77.8

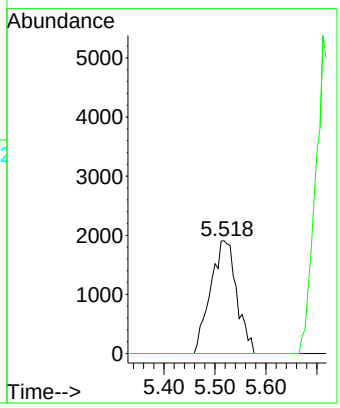




#23
tert-Butyl Alcohol
Concen: 21.825 ug/l m
RT: 5.518 min Scan# 60
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 59 Resp: 6813

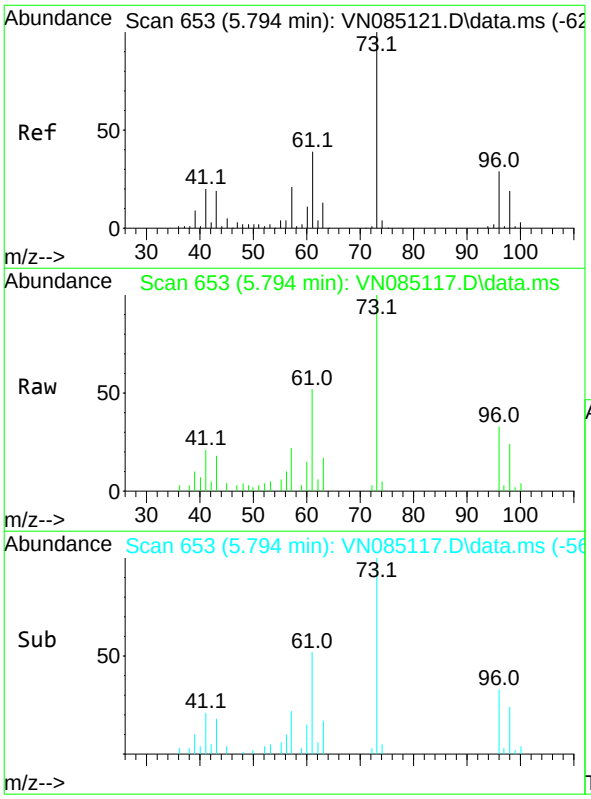
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

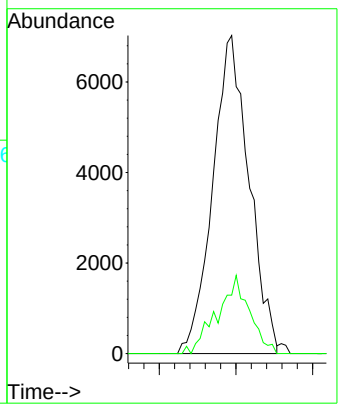
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

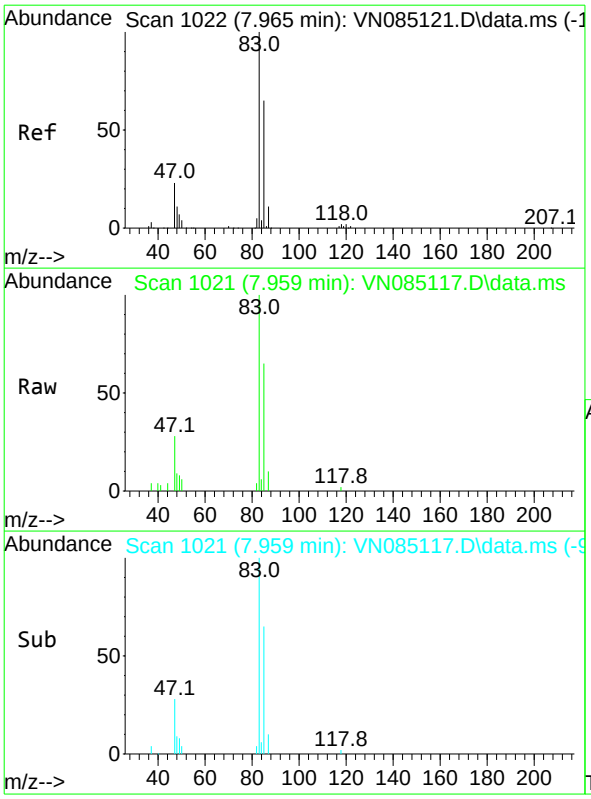


#24
Methyl tert-Butyl Ether
Concen: 4.159 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 73 Resp: 23064

Ion	Ratio	Lower	Upper
73	100		
43	21.2	8.7	13.1#

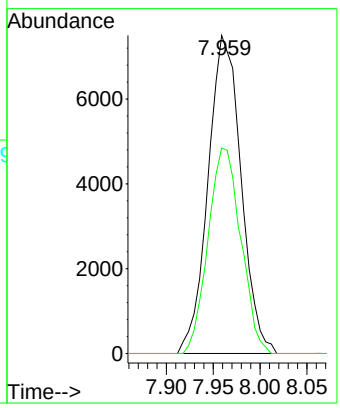




#25
Chloroform
Concen: 5.094 ug/l
RT: 7.959 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 83 Resp: 18374

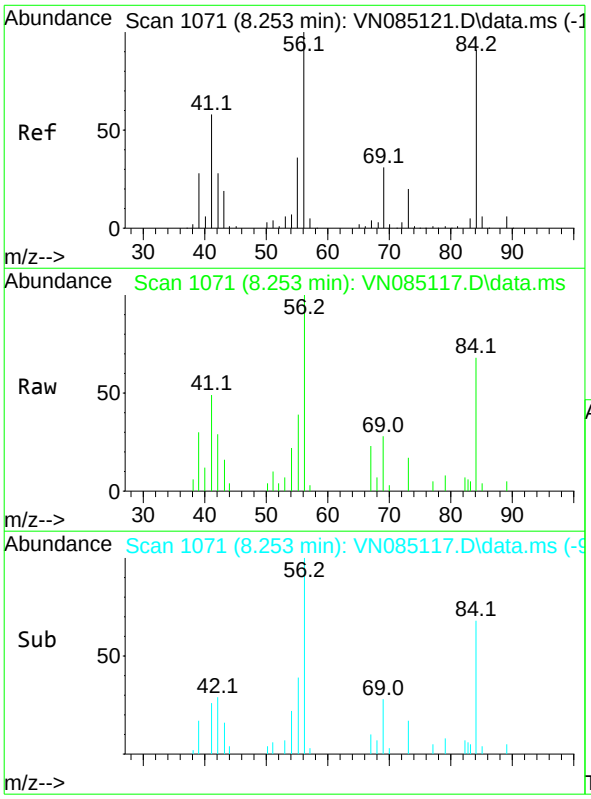
Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.4	74.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

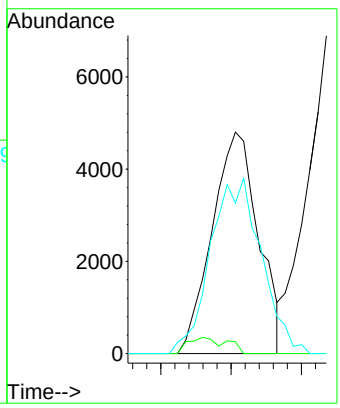
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

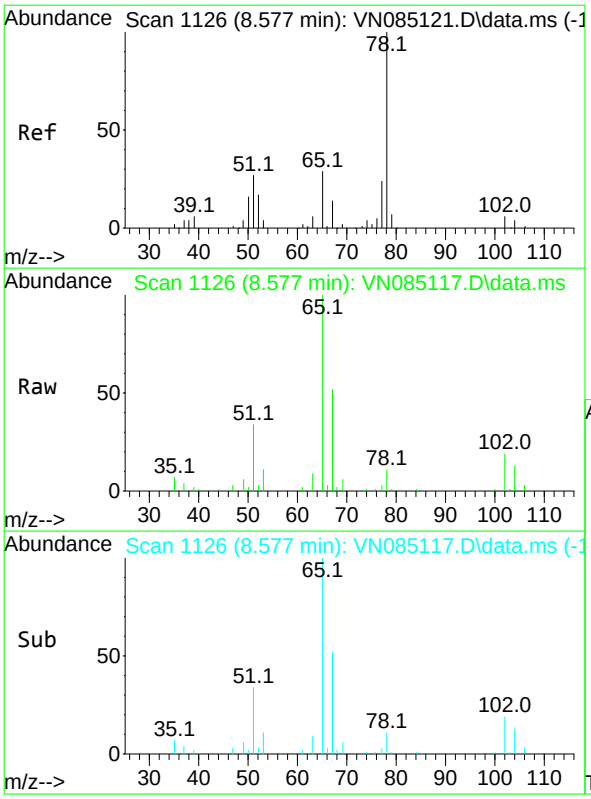


#26
Cyclohexane
Concen: 3.885 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 56 Resp: 11013

Ion	Ratio	Lower	Upper
56	100		
89	1.7	19.5	29.3#
84	86.7	70.6	105.8

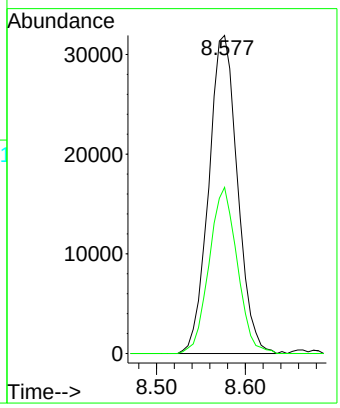




#27
1,2-Dichloroethane-d4
Concen: 31.025 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 65 Resp: 71806

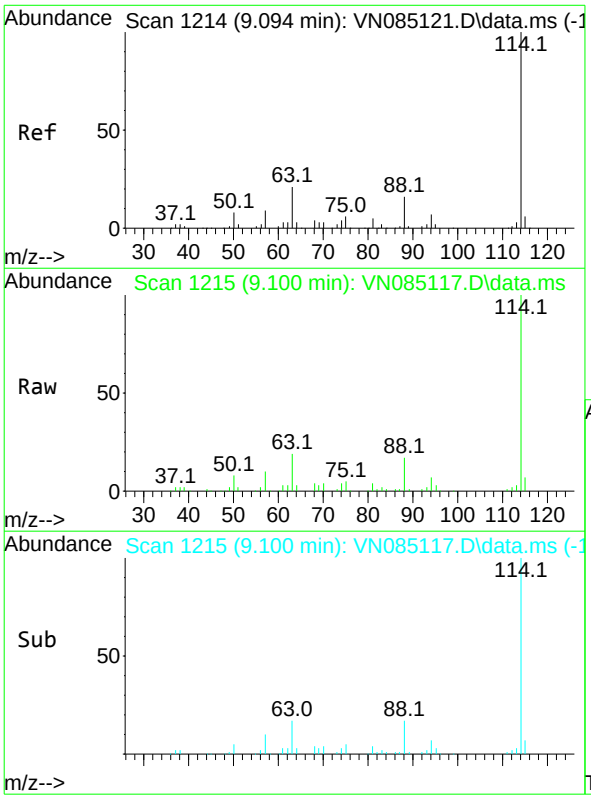
Ion	Ratio	Lower	Upper
65	100		
67	51.0	39.9	59.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

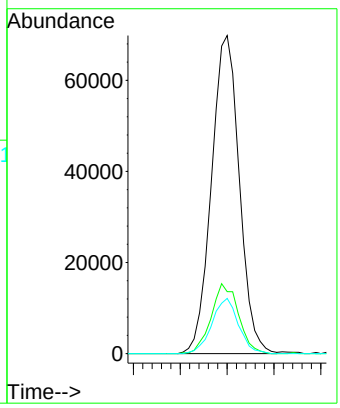
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

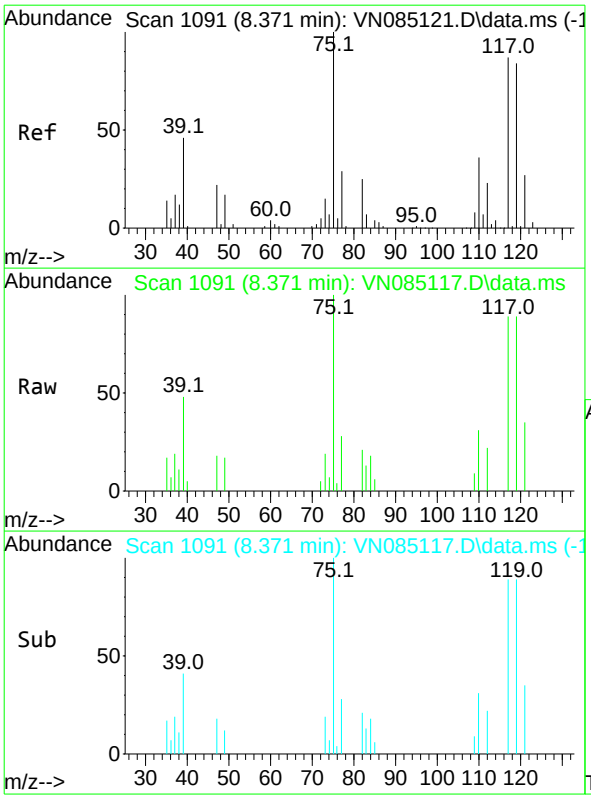


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:114 Resp: 144230

Ion	Ratio	Lower	Upper
114	100		
63	21.5	16.2	24.2
88	16.5	12.5	18.7

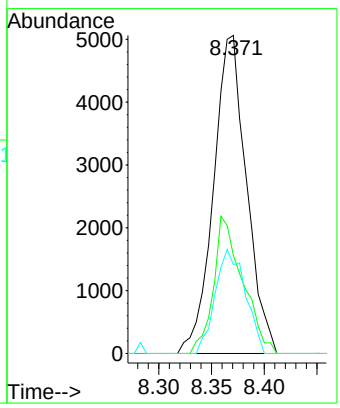




#29
1,1-Dichloropropene
Concen: 4.731 ug/l
RT: 8.371 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 75 Resp: 11010

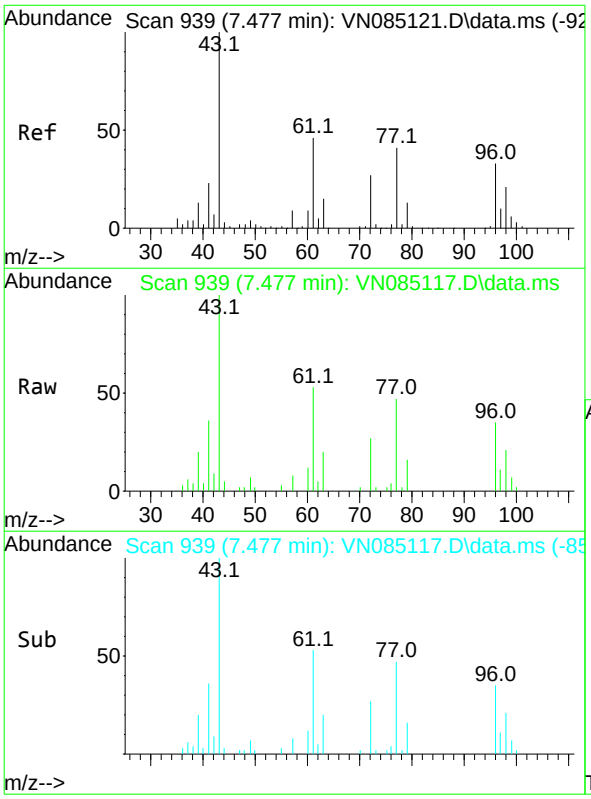
Ion	Ratio	Lower	Upper
75	100		
110	38.1	0.0	71.6
77	29.9	0.0	62.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

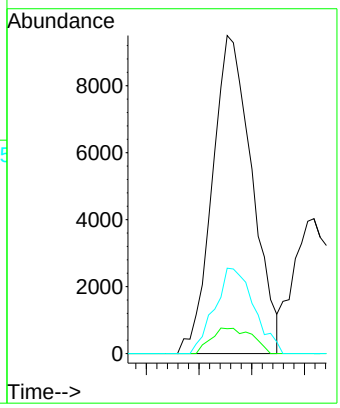
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

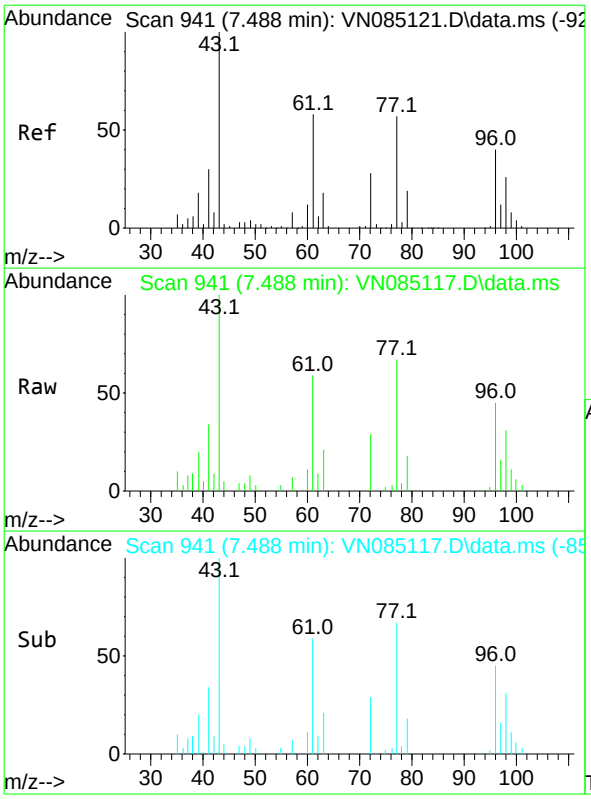


#30
2-Butanone
Concen: 23.275 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 43 Resp: 24858

Ion	Ratio	Lower	Upper
43	100		
57	5.7	6.9	10.3#
72	26.5	21.8	32.8

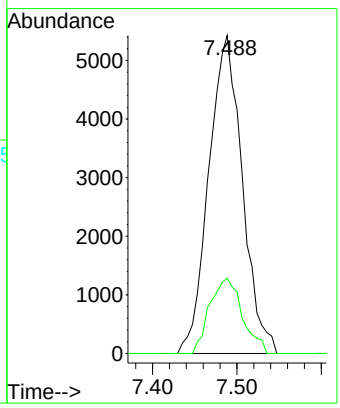




#31
2,2-Dichloropropane
Concen: 5.023 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 77 Resp: 14990

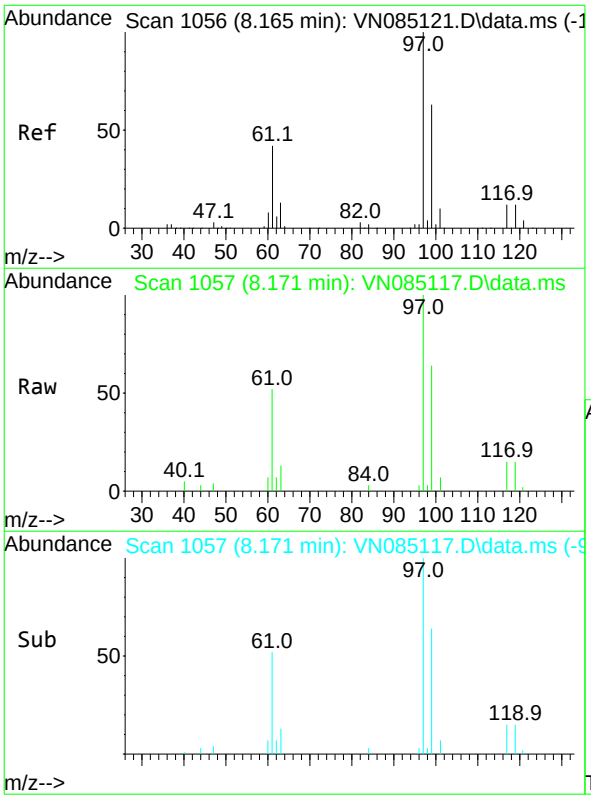
Ion	Ratio	Lower	Upper
77	100		
97	23.0	0.0	0.0#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

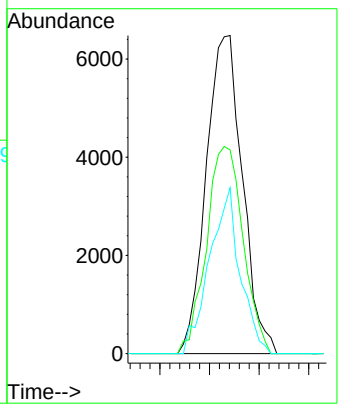
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

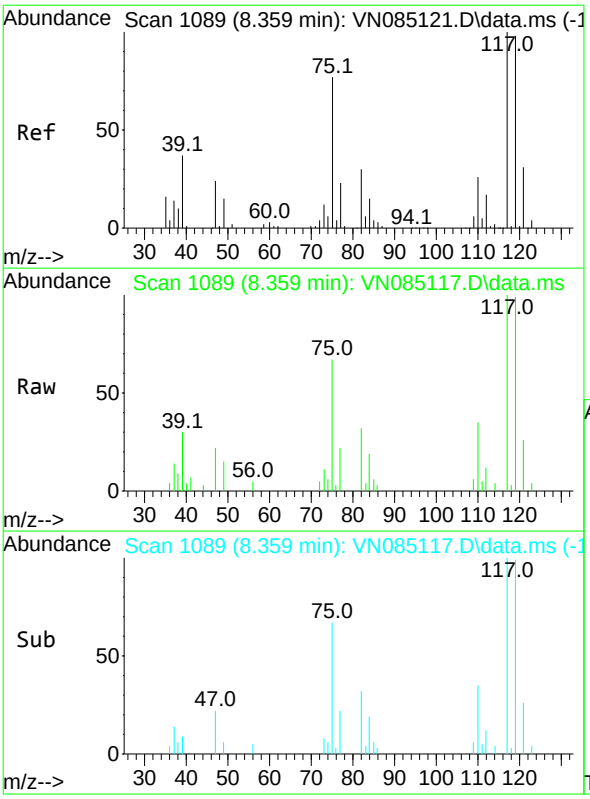


#32
1,1,1-Trichloroethane
Concen: 5.216 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 97 Resp: 16430

Ion	Ratio	Lower	Upper
97	100		
99	66.0	50.8	76.2
61	44.0	32.7	49.1

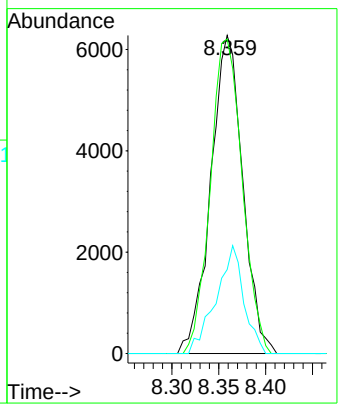




#33
Carbon Tetrachloride
Concen: 5.233 ug/l
RT: 8.359 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:117 Resp: 14874

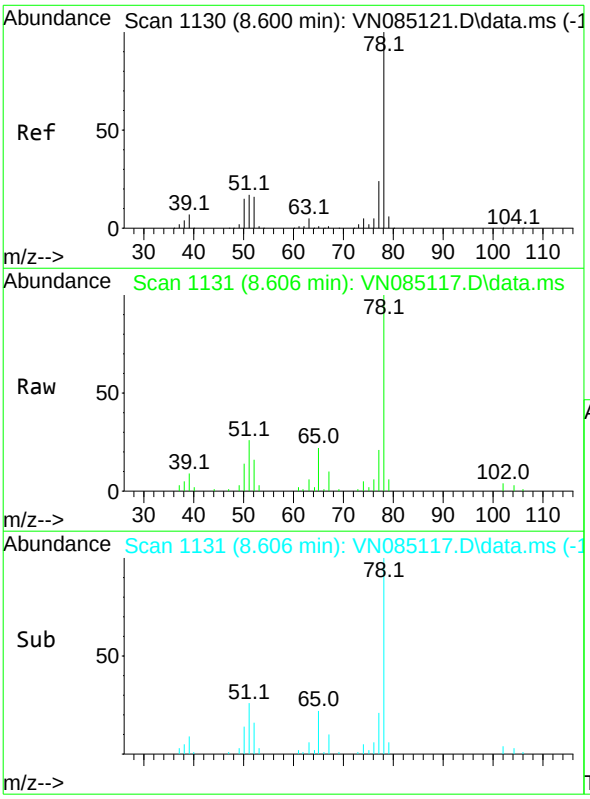
Ion	Ratio	Lower	Upper
117	100		
119	98.9	81.6	122.4
121	26.4	26.5	39.7#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

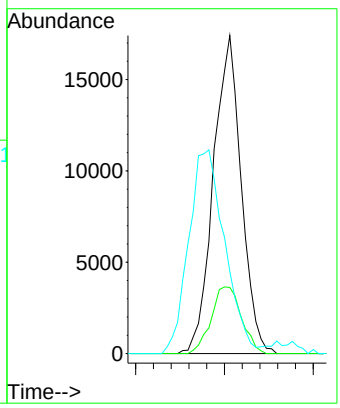
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

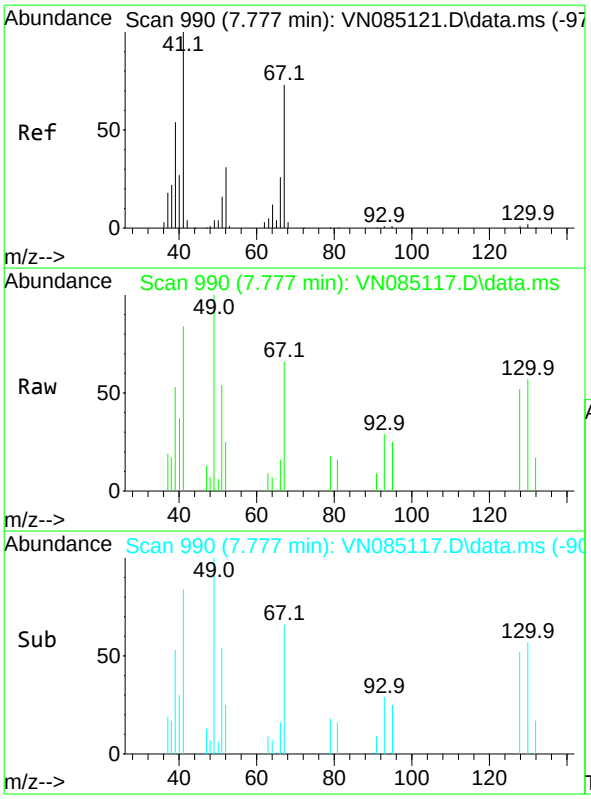


#34
Benzene
Concen: 5.199 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 78 Resp: 38013

Ion	Ratio	Lower	Upper
78	100		
77	20.8	18.0	27.0
51	21.8	12.4	18.6#

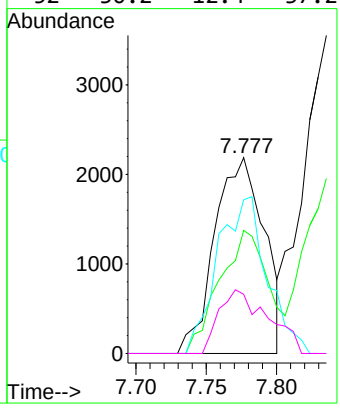




#35
Methacrylonitrile
Concen: 4.455 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 41 Resp: 5355

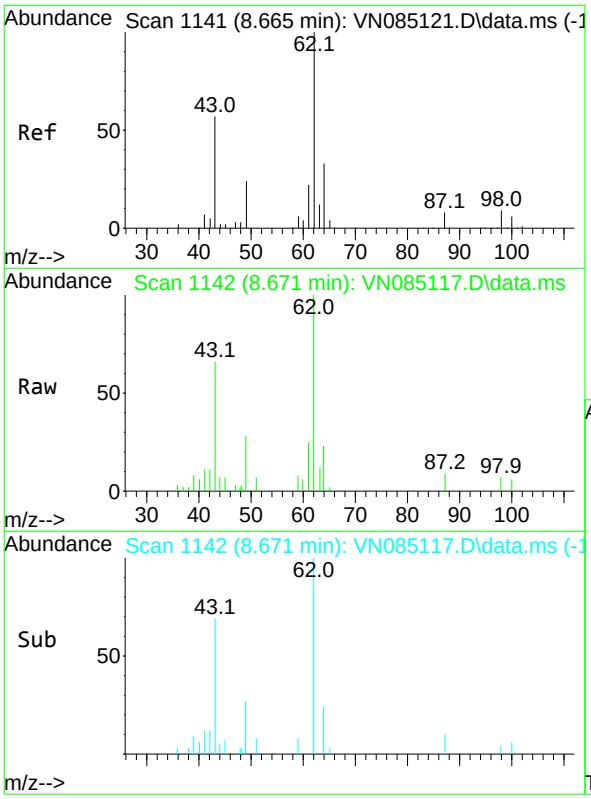
Ion	Ratio	Lower	Upper
41	100		
39	62.8	24.4	73.2
67	78.5	37.0	110.9
52	30.2	12.4	37.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

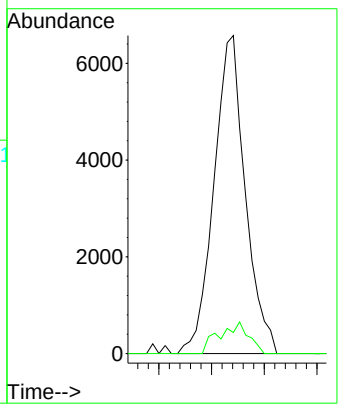
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

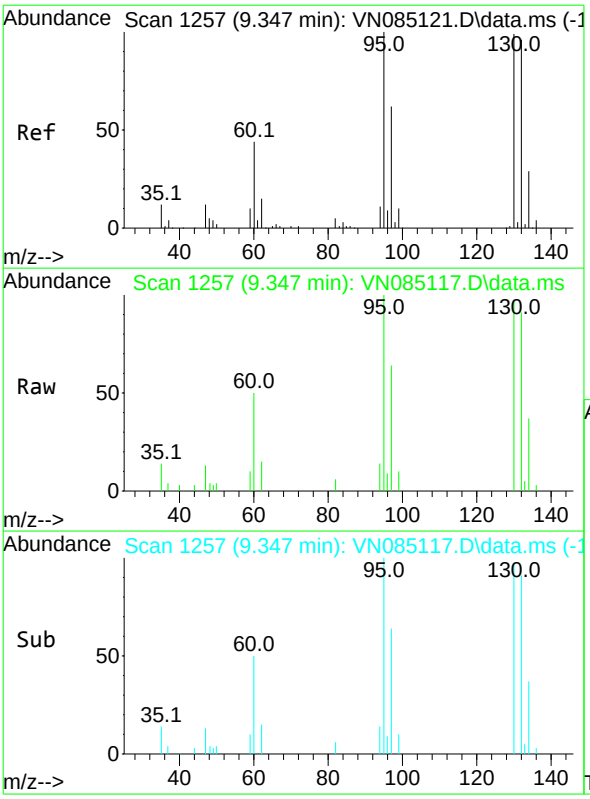


#36
1,2-Dichloroethane
Concen: 5.451 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 62 Resp: 13568

Ion	Ratio	Lower	Upper
62	100		
98	6.4	7.3	10.9#

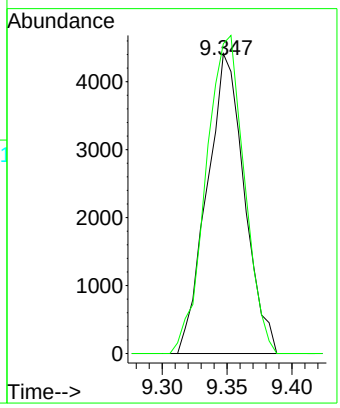




#37
Trichloroethene
Concen: 5.067 ug/l
RT: 9.347 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:130 Resp: 8822

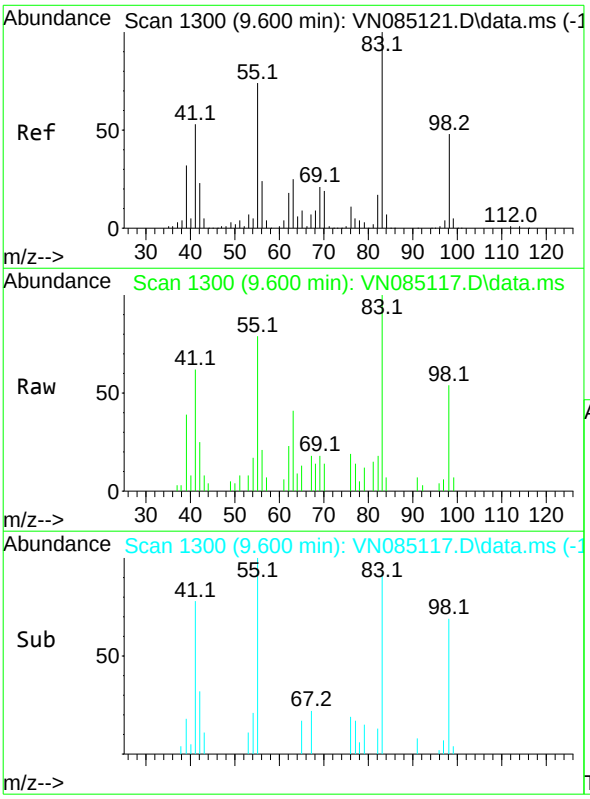
Ion	Ratio	Lower	Upper
130	100		
95	103.3	76.2	114.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

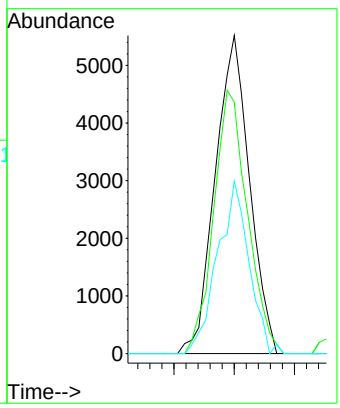
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

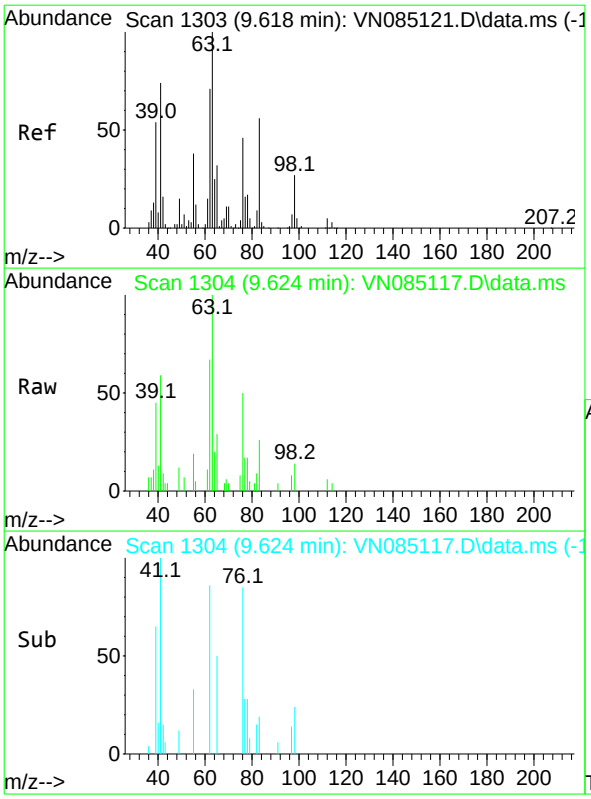


#38
Methylcyclohexane
Concen: 4.304 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 83 Resp: 10891

Ion	Ratio	Lower	Upper
83	100		
55	81.5	41.4	124.4
98	49.3	25.7	77.1

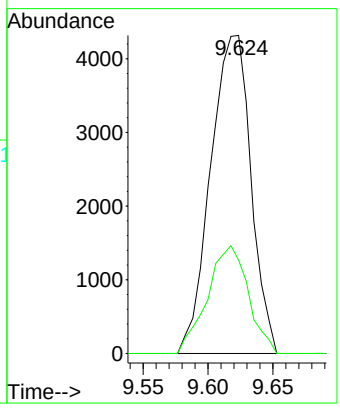




#39
1,2-Dichloropropane
Concen: 5.273 ug/l
RT: 9.624 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 63 Resp: 9337

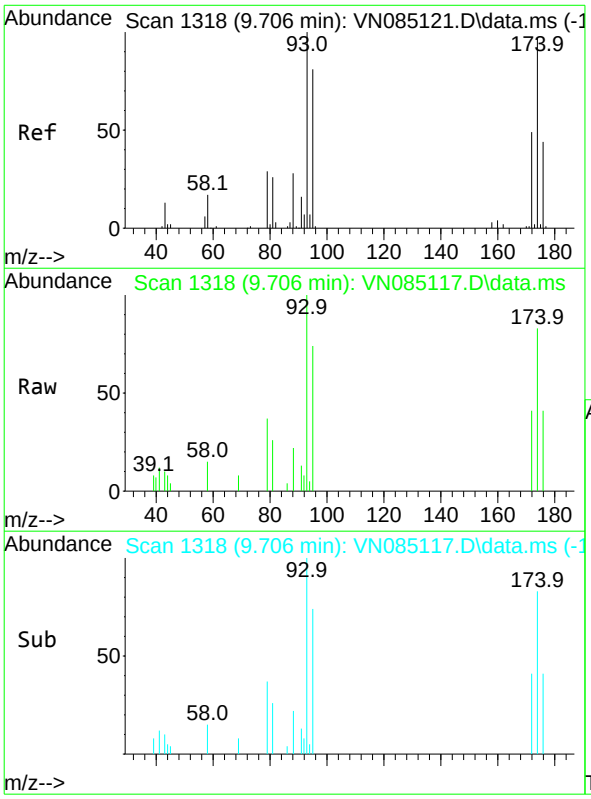
Ion	Ratio	Lower	Upper
63	100		
65	29.4	23.4	35.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

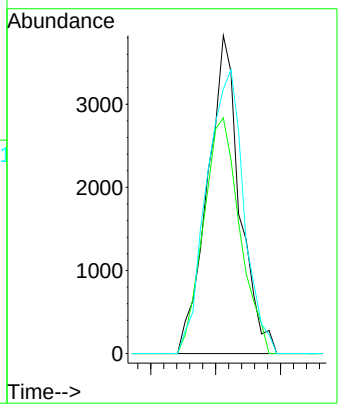
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

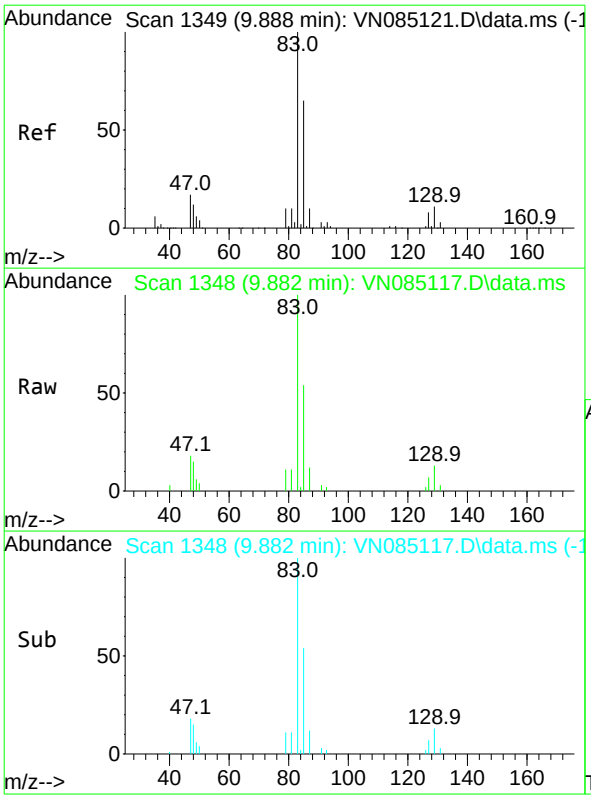


#40
Dibromomethane
Concen: 5.194 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 93 Resp: 6598

Ion	Ratio	Lower	Upper
93	100		
95	83.4	0.0	169.4
174	103.1	0.0	189.8

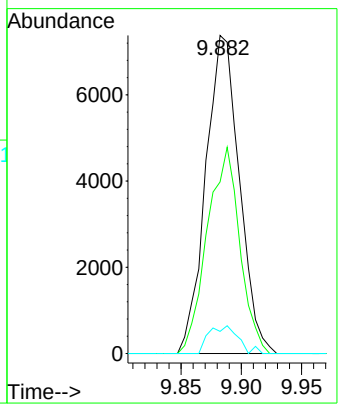




#41
Bromodichloromethane
Concen: 5.278 ug/l
RT: 9.882 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 83 Resp: 14332

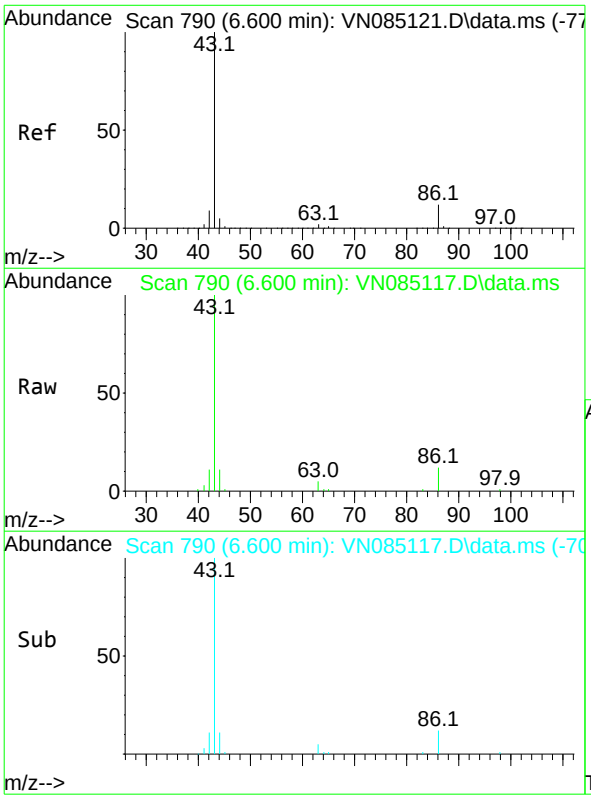
Ion	Ratio	Lower	Upper
83	100		
85	54.0	54.6	81.8#
127	7.0	7.0	10.6#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

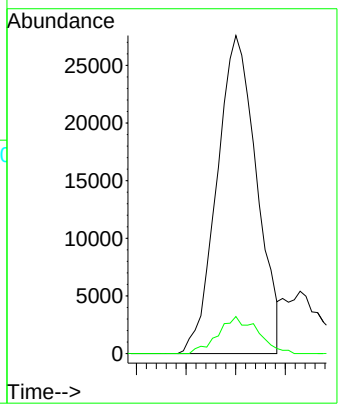
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

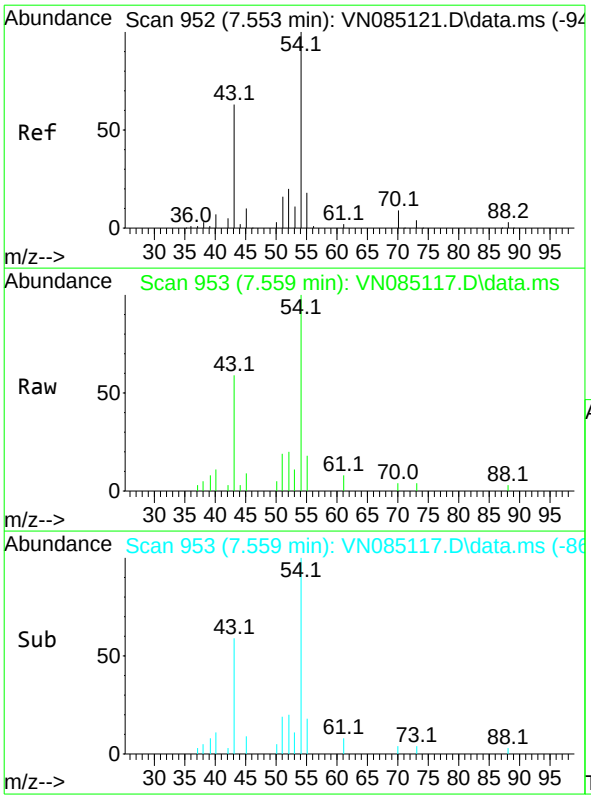


#42
Vinyl Acetate
Concen: 20.505 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 43 Resp: 76634

Ion	Ratio	Lower	Upper
43	100		
86	5.7	9.2	13.8#

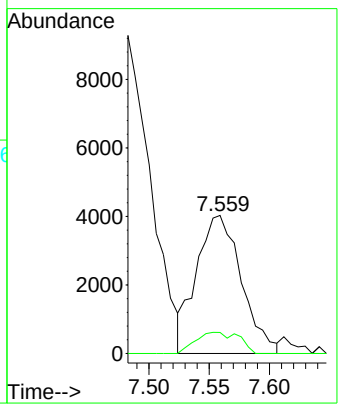




#43
Ethyl Acetate
Concen: 4.927 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 43 Resp: 10470

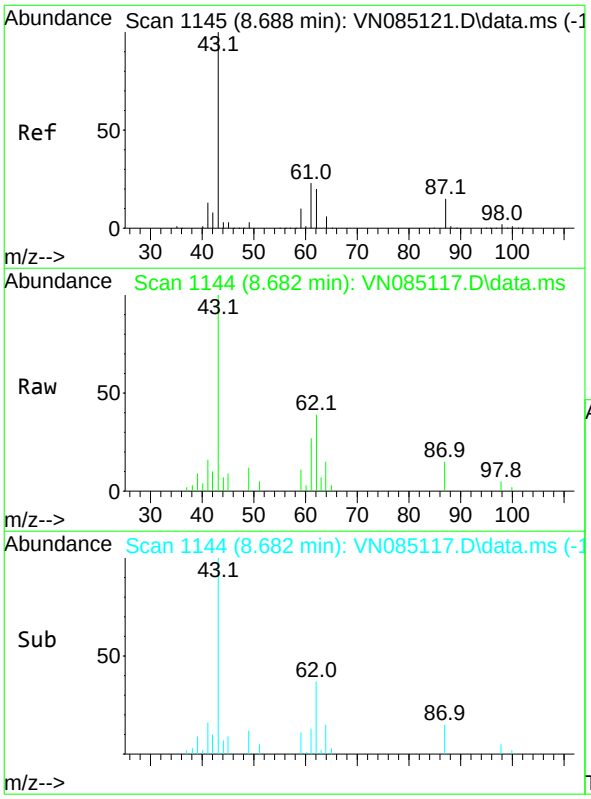
Ion	Ratio	Lower	Upper
43	100		
45	10.6	13.3	19.9#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

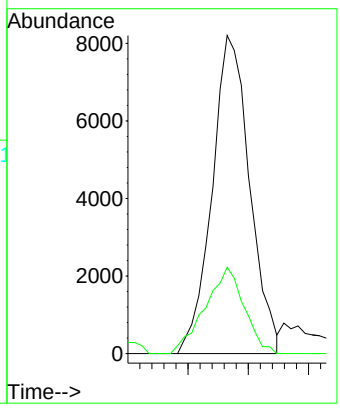
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

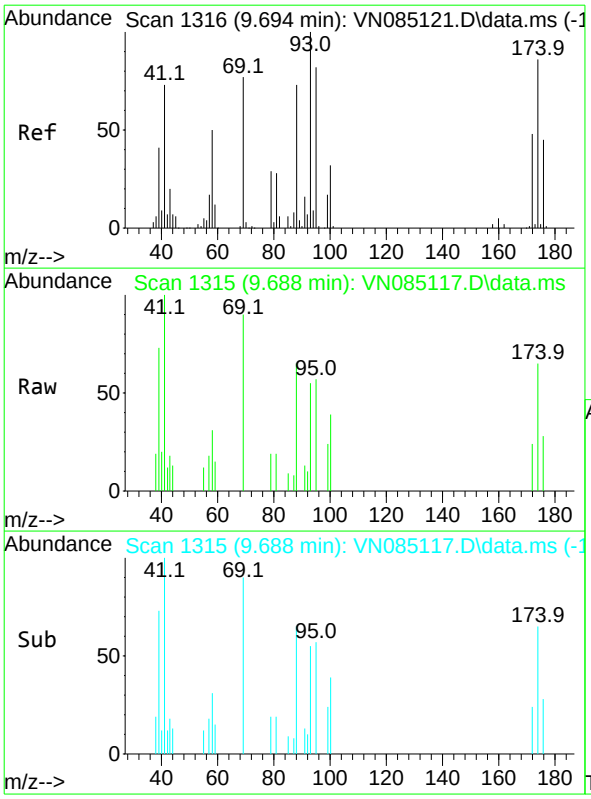


#44
Isopropyl Acetate
Concen: 4.817 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 43 Resp: 17789

Ion	Ratio	Lower	Upper
43	100		
61	28.1	21.5	32.3

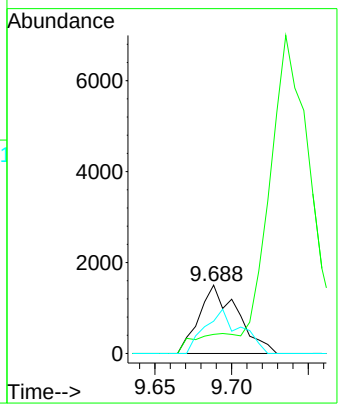




#45
1,4-Dioxane
Concen: 85.662 ug/l
RT: 9.688 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 88 Resp: 2638

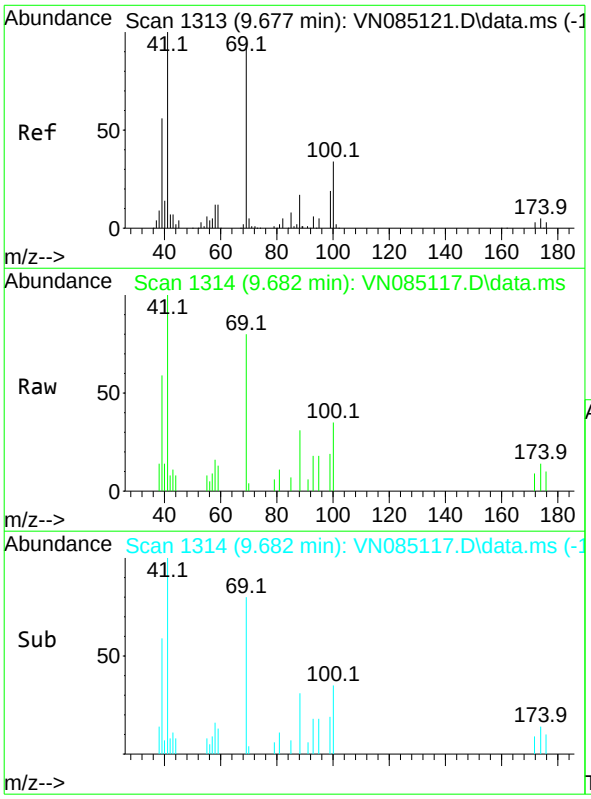
Ion	Ratio	Lower	Upper
88	100		
43	24.8	21.7	32.5
58	42.1	52.6	79.0#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

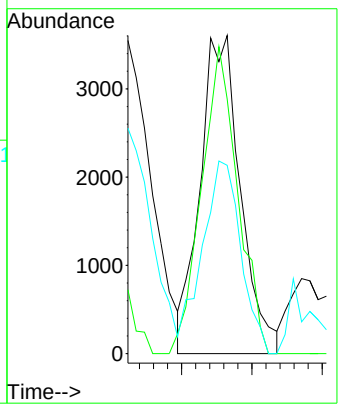
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

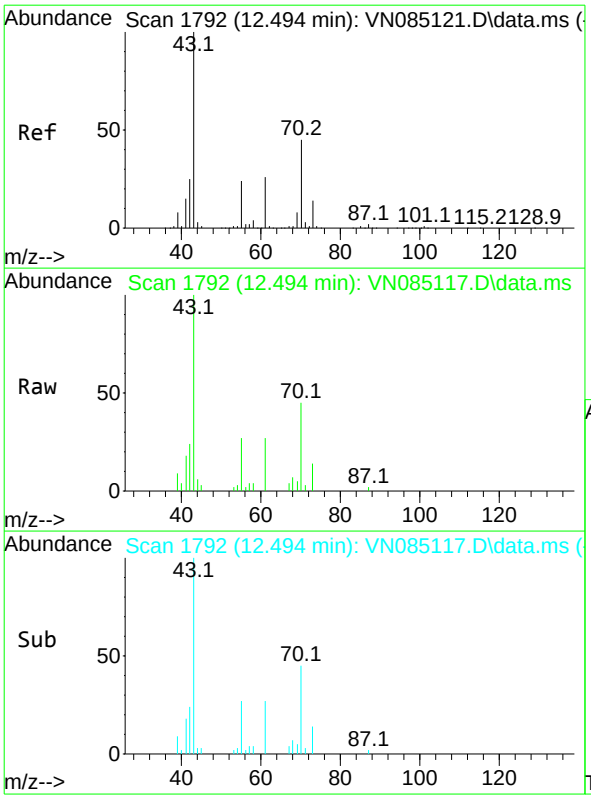


#46
Methyl methacrylate
Concen: 4.258 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 41 Resp: 7196

Ion	Ratio	Lower	Upper
41	100		
69	86.1	46.7	140.0
39	63.6	28.5	85.5

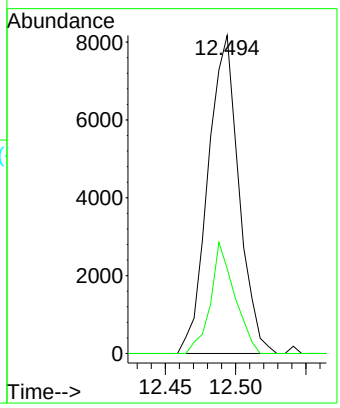




#47
n-amyl Acetate
Concen: 4.021 ug/l
RT: 12.494 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 43 Resp: 12494

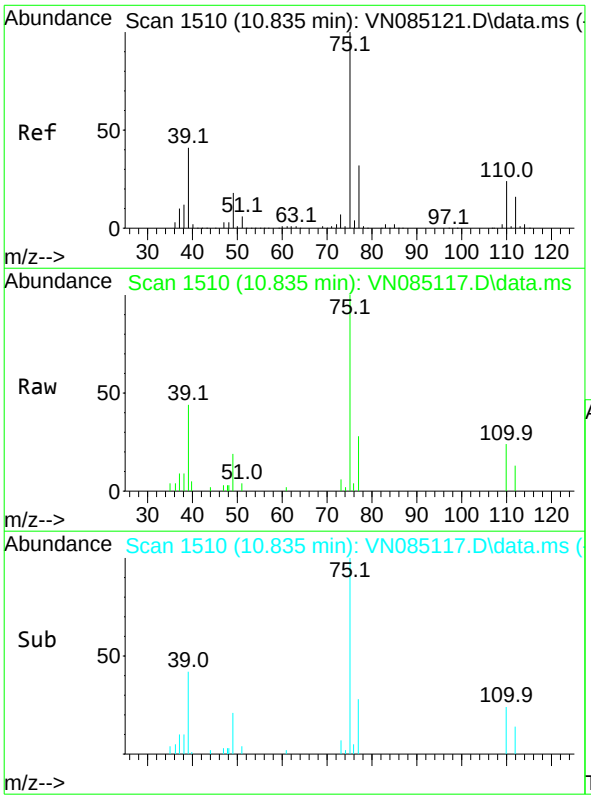
Ion	Ratio	Lower	Upper
43	100		
55	27.3	23.3	34.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

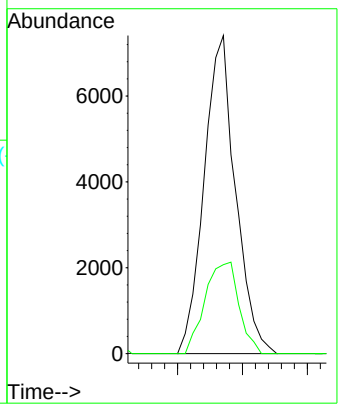
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

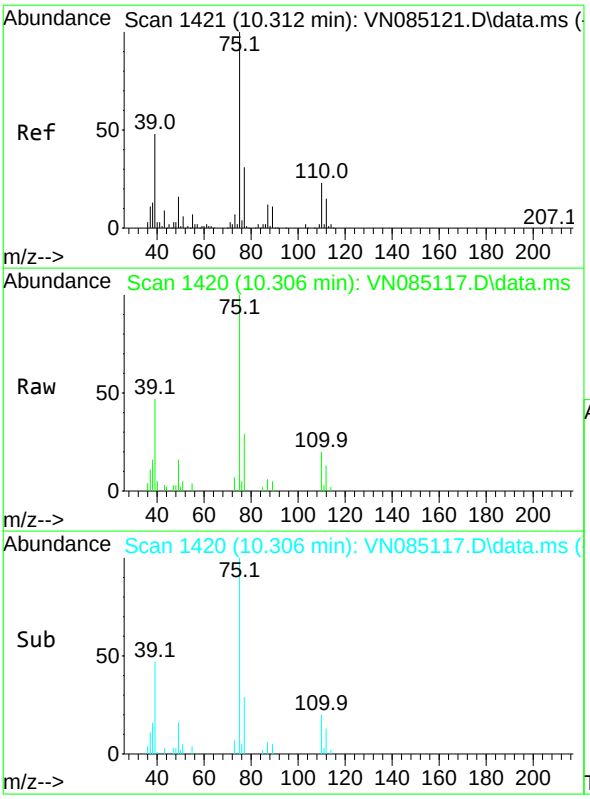


#48
t-1,3-Dichloropropene
Concen: 4.675 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 75 Resp: 12463

Ion	Ratio	Lower	Upper
75	100		
77	28.0	25.5	38.3

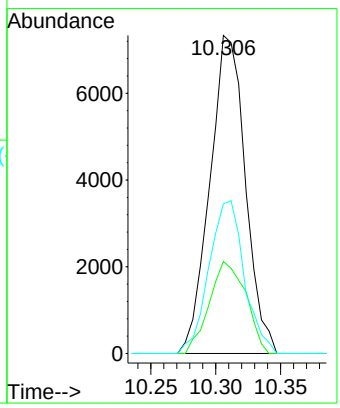




#49
cis-1,3-Dichloropropene
Concen: 4.809 ug/l
RT: 10.306 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 75 Resp: 13955

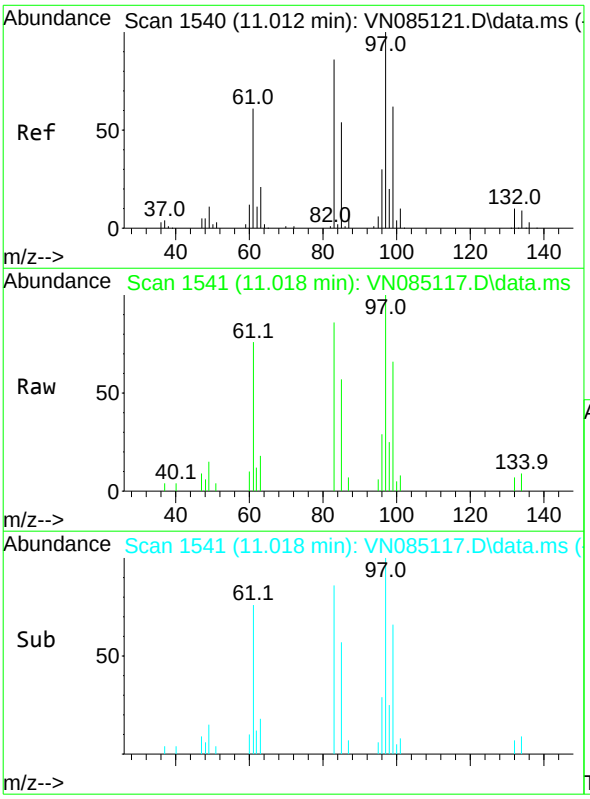
Ion	Ratio	Lower	Upper
75	100		
77	28.9	23.8	35.6
39	47.0	37.3	55.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

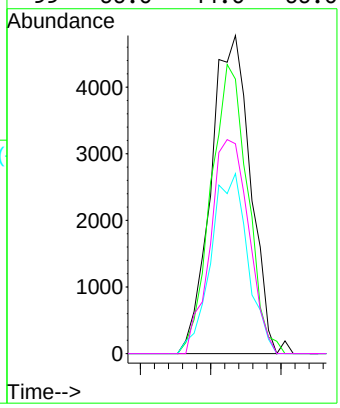
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

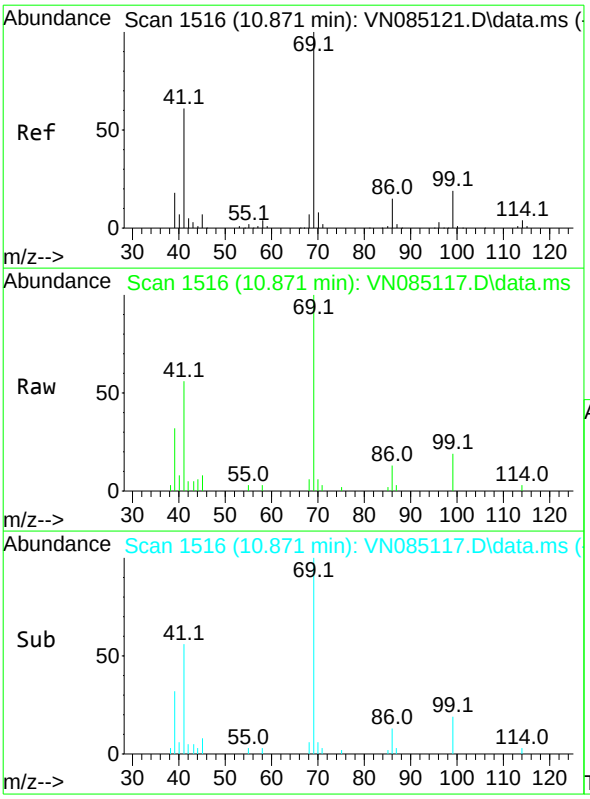


#50
1,1,2-Trichloroethane
Concen: 5.429 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 97 Resp: 9292

Ion	Ratio	Lower	Upper
97	100		
83	86.3	65.8	98.8
85	56.6	40.8	61.2
99	66.0	44.0	66.0

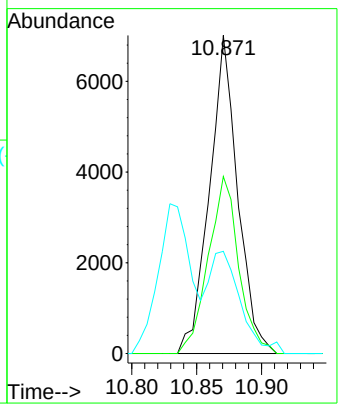




#51
Ethyl methacrylate
Concen: 4.068 ug/l
RT: 10.871 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 69 Resp: 10590

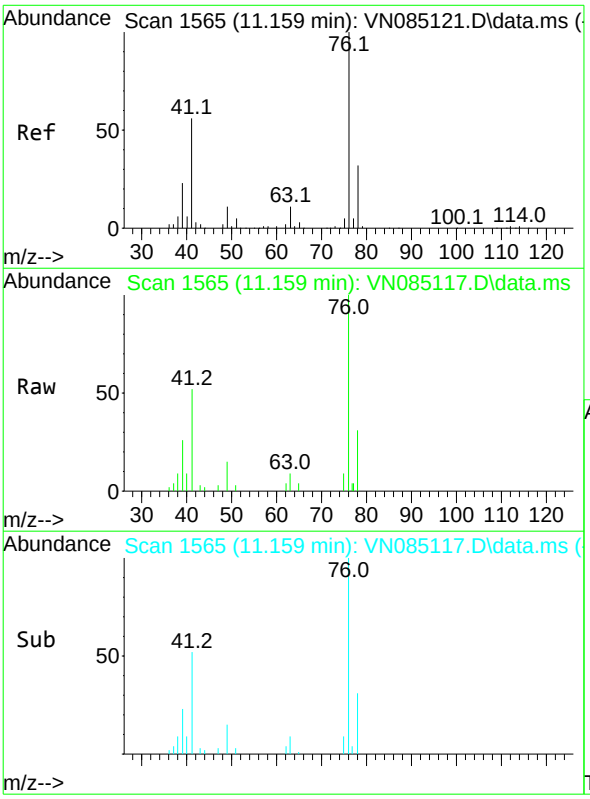
Ion	Ratio	Lower	Upper
69	100		
41	55.7	32.1	96.3
39	28.5	18.8	56.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

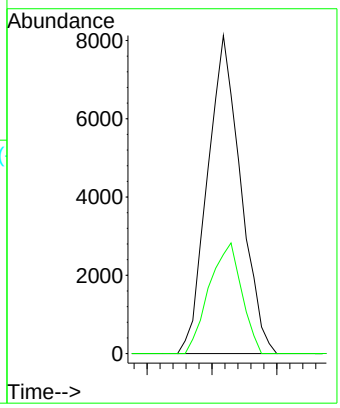
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

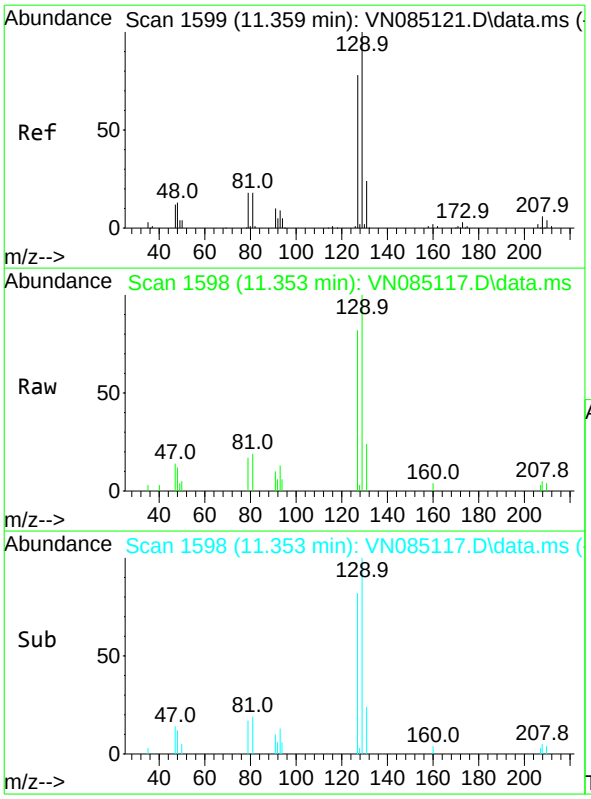


#52
1,3-Dichloropropane
Concen: 5.019 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 76 Resp: 14378

Ion	Ratio	Lower	Upper
76	100		
78	34.1	0.0	65.6

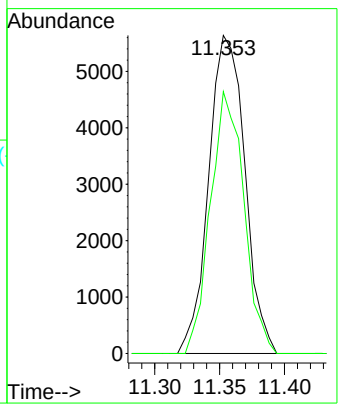




#53
Dibromochloromethane
Concen: 5.246 ug/l
RT: 11.353 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:129 Resp: 10942

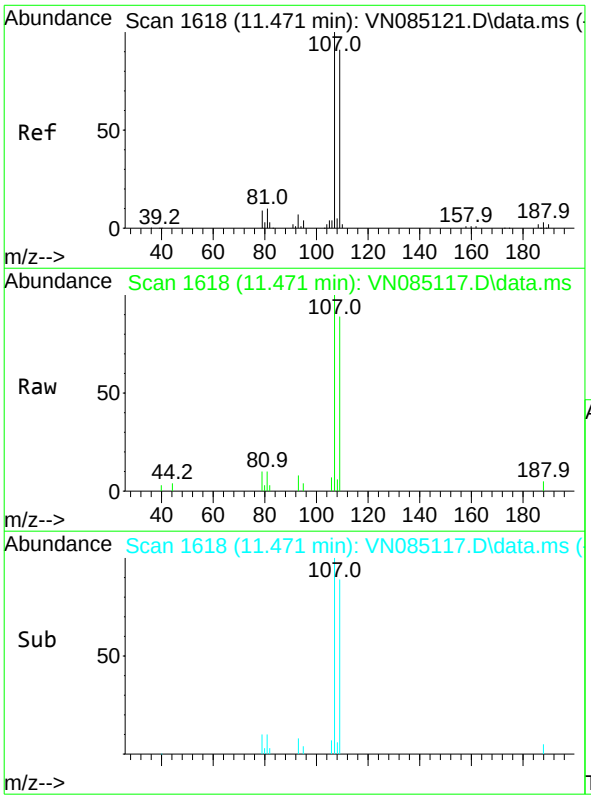
Ion	Ratio	Lower	Upper
129	100		
127	76.1	37.3	111.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

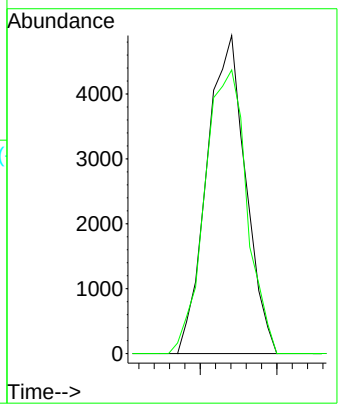
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

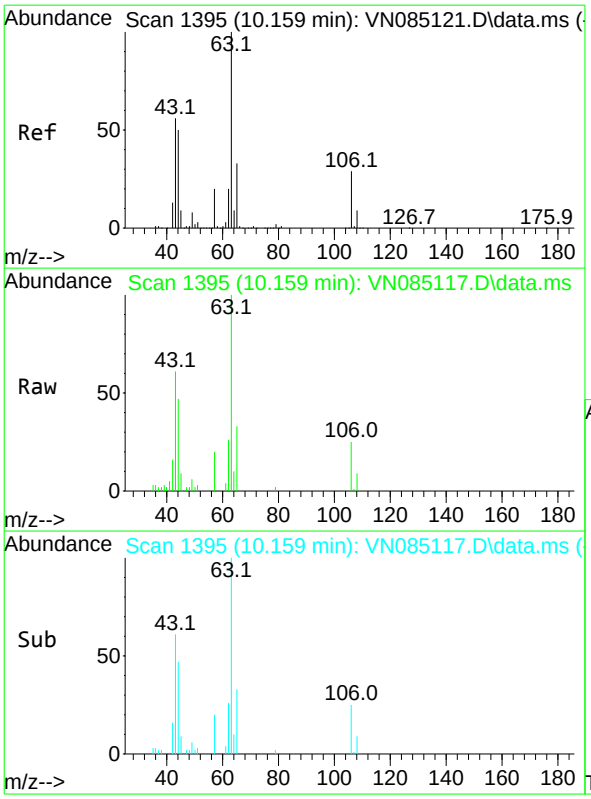


#54
1,2-Dibromoethane
Concen: 4.988 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:107 Resp: 8602

Ion	Ratio	Lower	Upper
107	100		
109	96.6	75.2	112.8

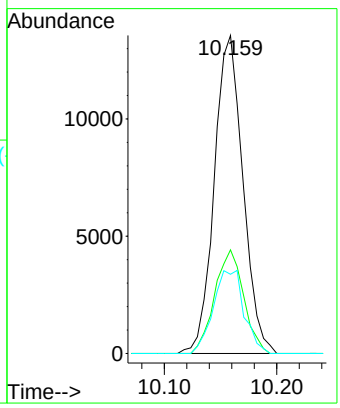




#55
2-Chloroethyl vinyl ether
Concen: 19.844 ug/l
RT: 10.159 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 63 Resp: 23999

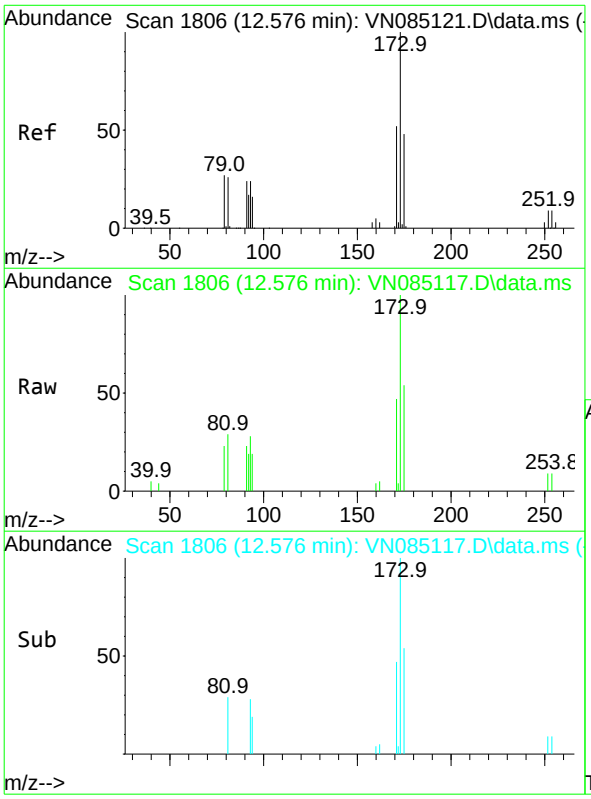
Ion	Ratio	Lower	Upper
63	100		
65	33.0	25.9	38.9
106	28.1	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

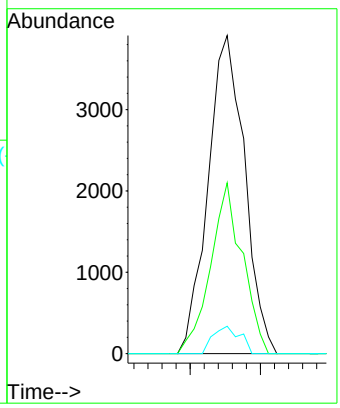
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

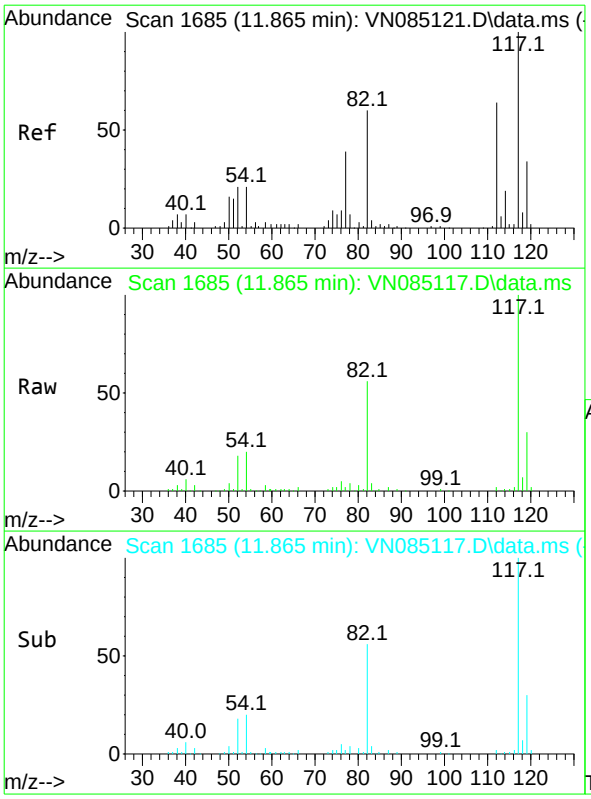


#56
Bromoform
Concen: 5.052 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:173 Resp: 7066

Ion	Ratio	Lower	Upper
173	100		
175	46.7	40.2	60.2
254	6.3	6.2	9.4

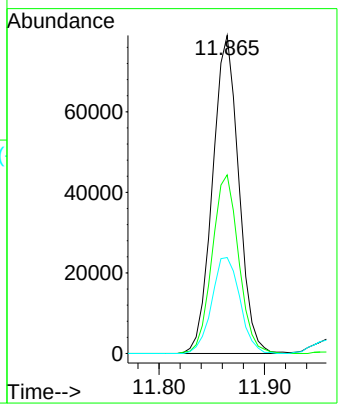




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:117 Resp: 136167

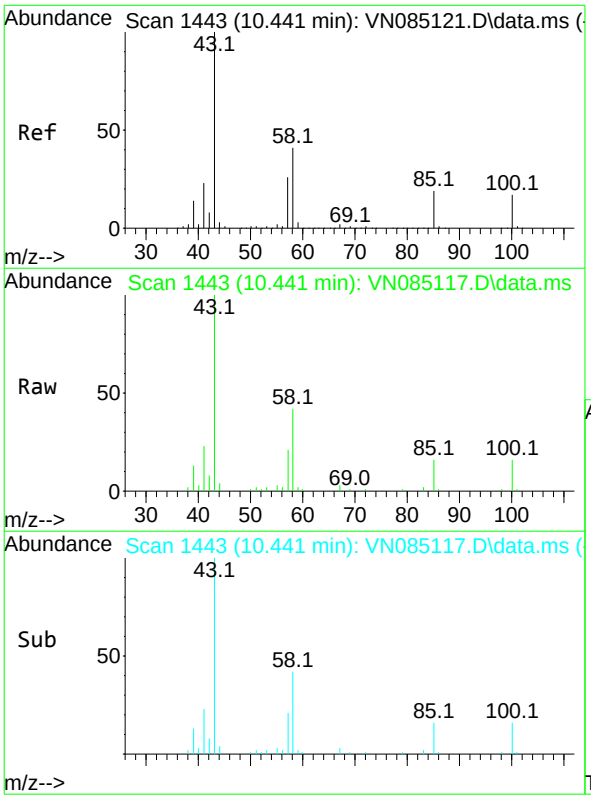
Ion	Ratio	Lower	Upper
117	100		
82	57.0	44.2	66.4
119	32.5	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

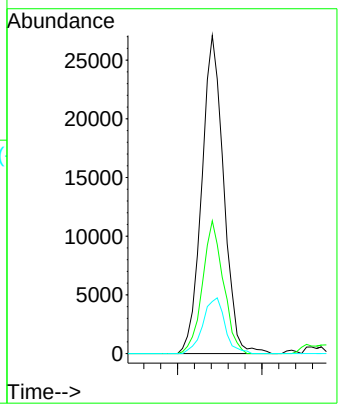
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

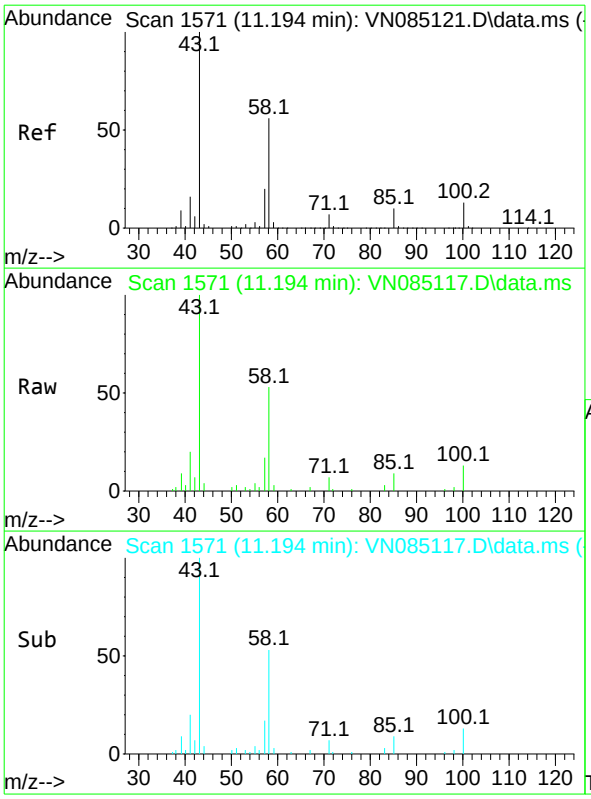


#58
4-Methyl-2-Pentanone
Concen: 21.990 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 43 Resp: 48868

Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.6	47.4
85	17.6	15.0	22.6

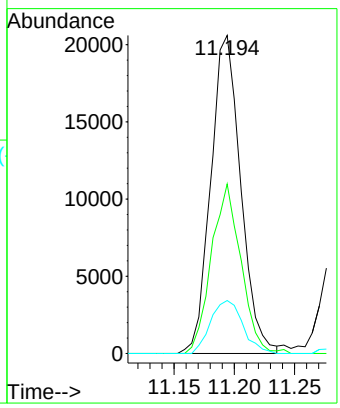




#59
2-Hexanone
Concen: 21.188 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 43 Resp: 35678

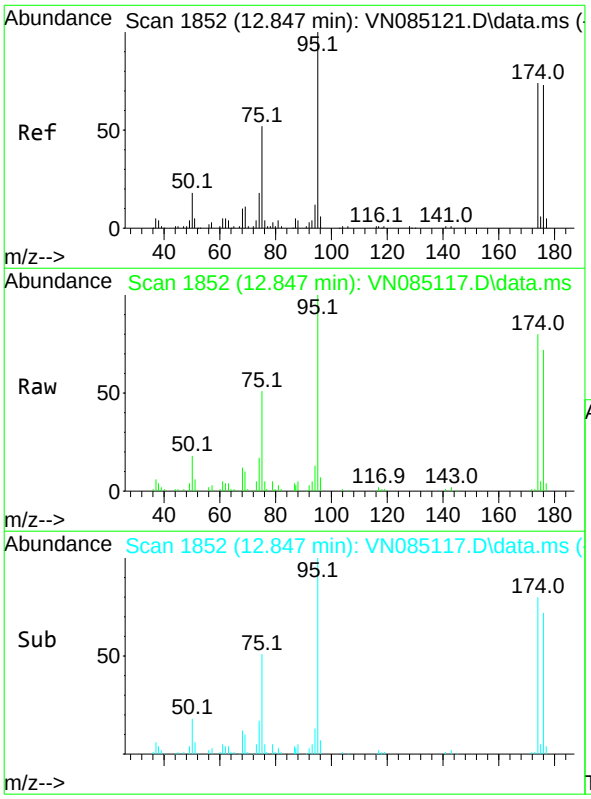
Ion	Ratio	Lower	Upper
43	100		
58	52.3	43.6	65.4
57	17.9	15.4	23.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

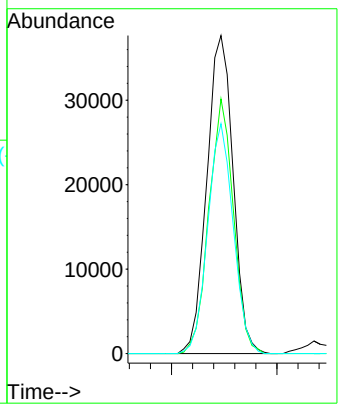
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

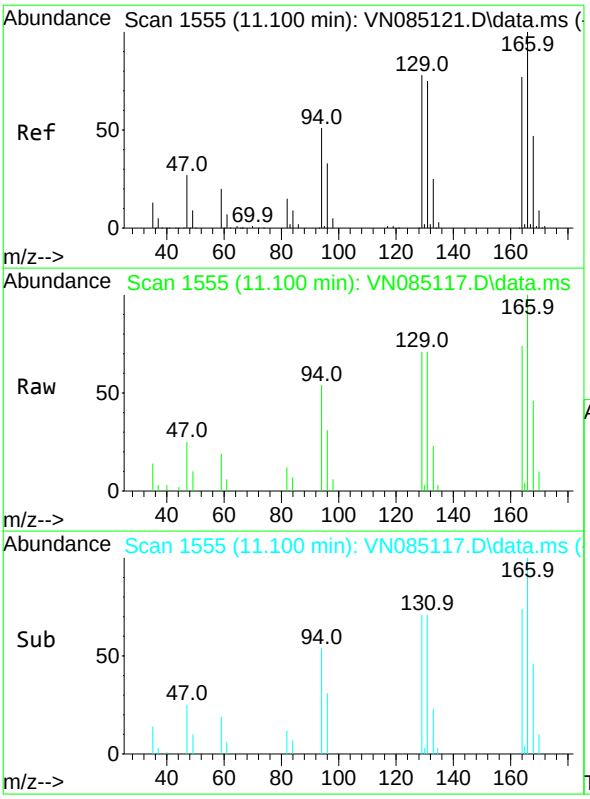


#60
4-Bromofluorobenzene
Concen: 28.954 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 95 Resp: 65235

Ion	Ratio	Lower	Upper
95	100		
174	75.0	60.3	90.5
176	70.2	57.4	86.0

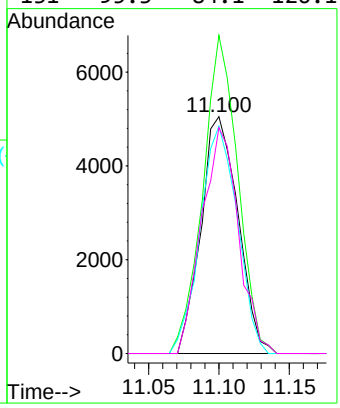




#61
Tetrachloroethene
Concen: 5.604 ug/l
RT: 11.100 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:164 Resp: 9241

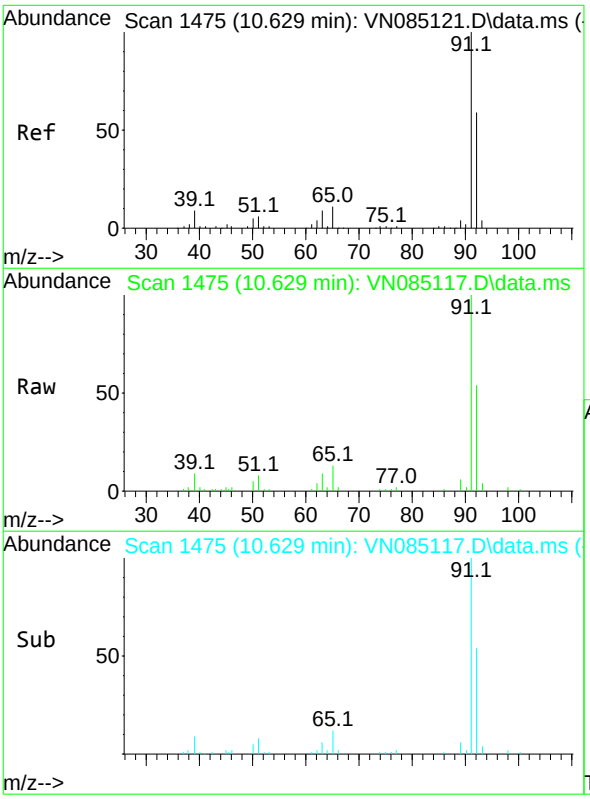
Ion	Ratio	Lower	Upper
164	100		
166	134.3	103.8	155.8
129	96.0	84.2	126.4
131	95.3	84.1	126.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

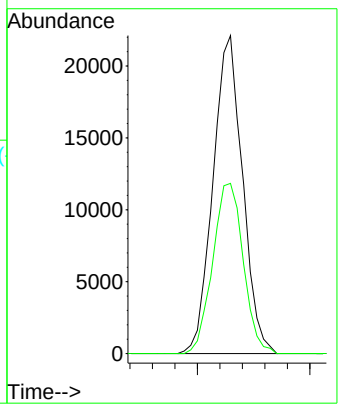
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

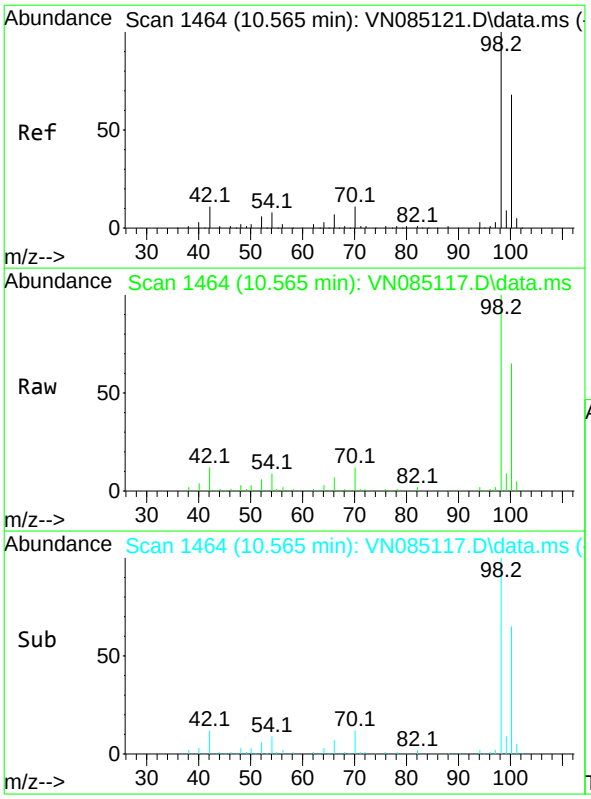


#62
Toluene
Concen: 5.085 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 91 Resp: 40385

Ion	Ratio	Lower	Upper
91	100		
92	55.2	46.5	69.7

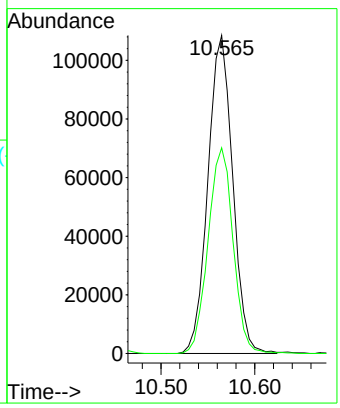




#63
Toluene-d8
Concen: 31.177 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 98 Resp: 199139

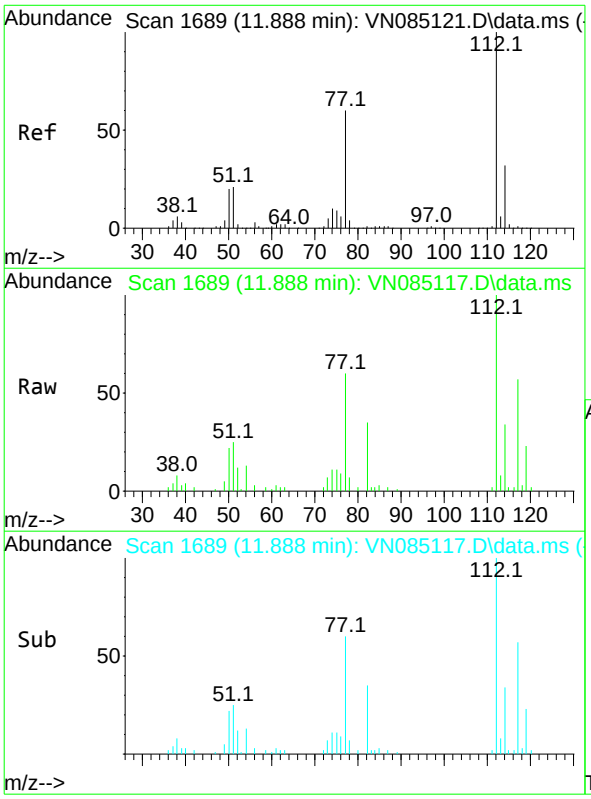
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

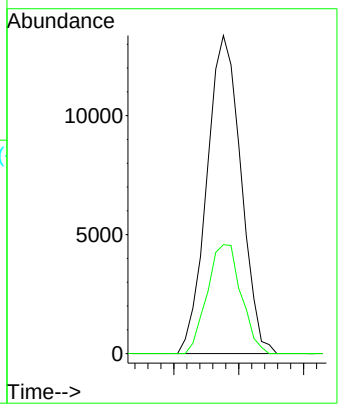
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

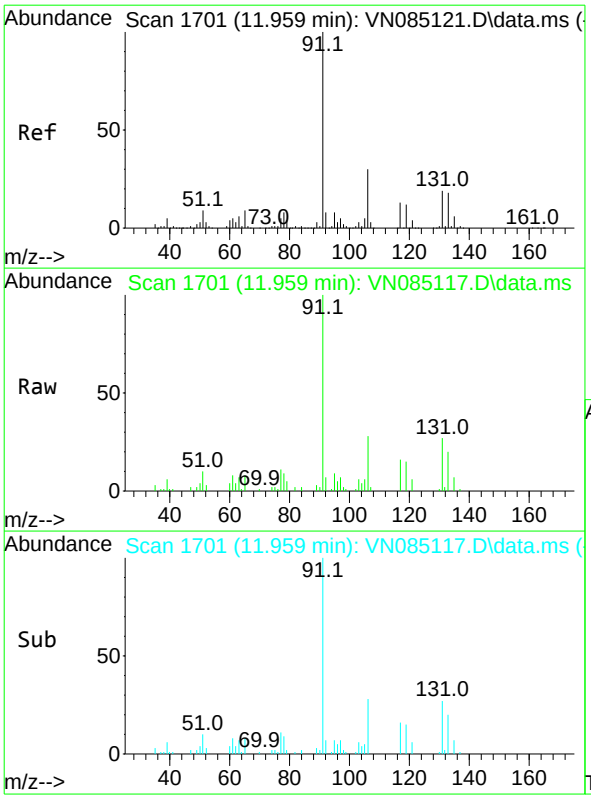


#64
Chlorobenzene
Concen: 4.972 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:112 Resp: 24379

Ion	Ratio	Lower	Upper
112	100		
114	34.2	26.0	39.0

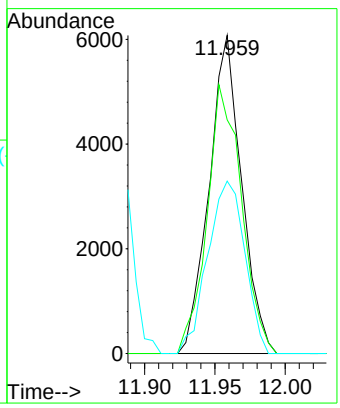




#65
1,1,1,2-Tetrachloroethane
Concen: 5.352 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:131 Resp: 9796

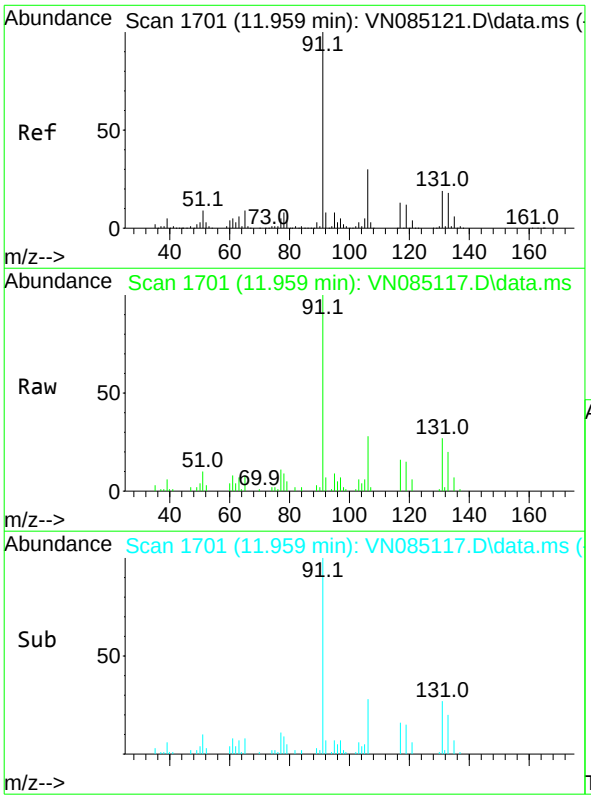
Ion	Ratio	Lower	Upper
131	100		
133	89.3	0.0	194.0
119	61.9	0.0	131.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

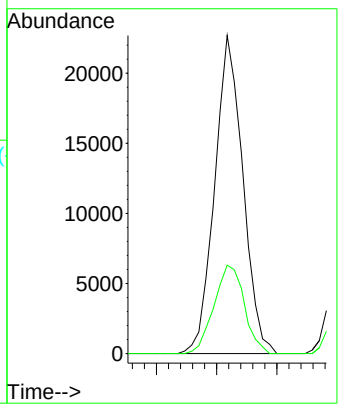
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

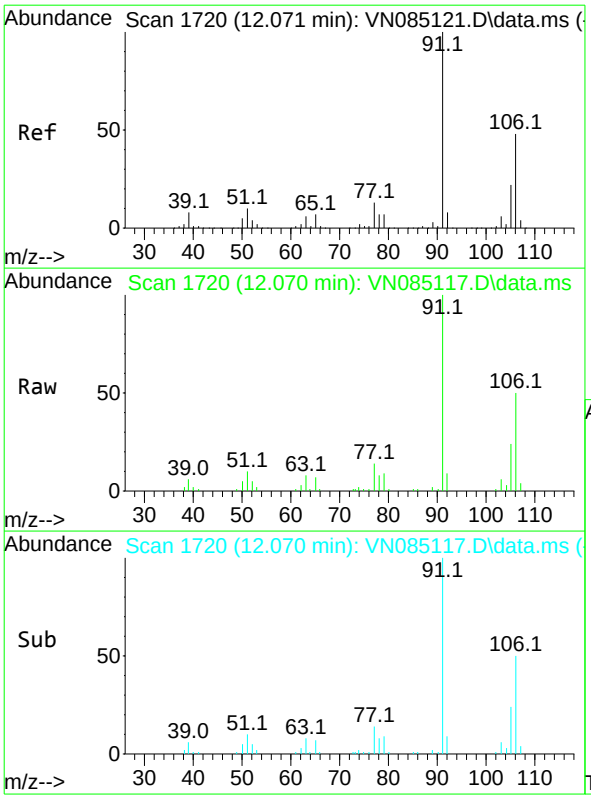


#66
Ethyl Benzene
Concen: 4.380 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 91 Resp: 36907

Ion	Ratio	Lower	Upper
91	100		
106	27.8	23.1	34.7

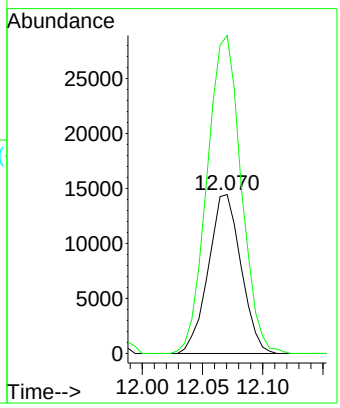




#67
m/p-Xylenes
Concen: 8.414 ug/l
RT: 12.070 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:106 Resp: 27271

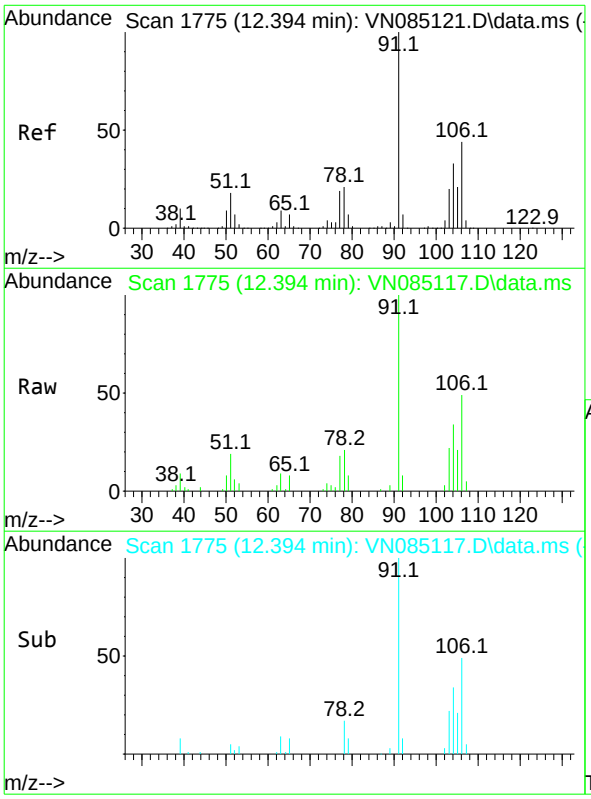
Ion	Ratio	Lower	Upper
106	100		
91	208.7	165.0	247.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

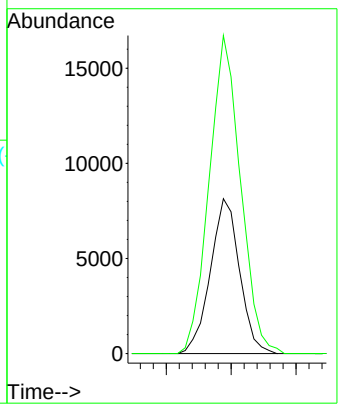
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

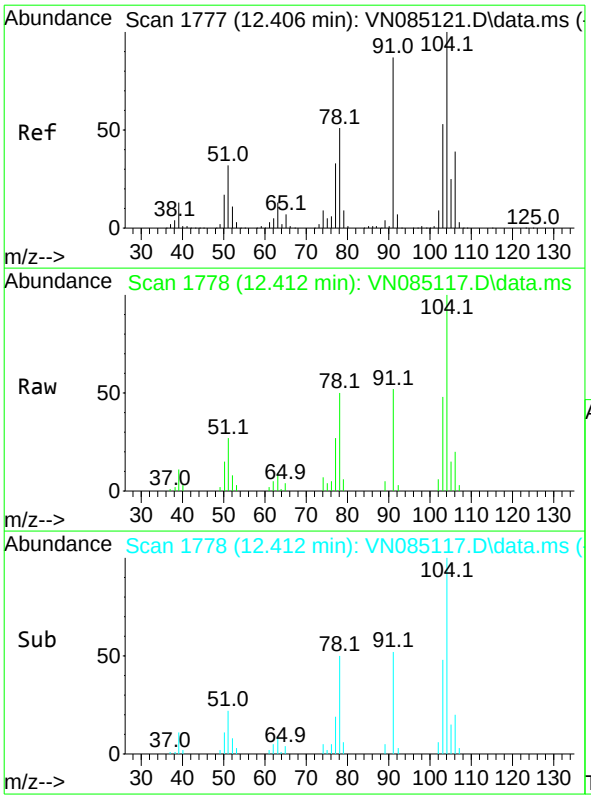


#68
o-Xylene
Concen: 4.186 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:106 Resp: 12741

Ion	Ratio	Lower	Upper
106	100		
91	220.0	112.1	336.4

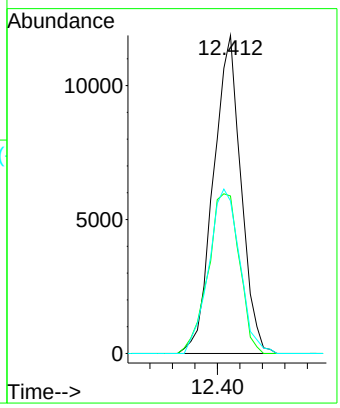




#69
Styrene
Concen: 3.918 ug/l
RT: 12.412 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:104 Resp: 20235

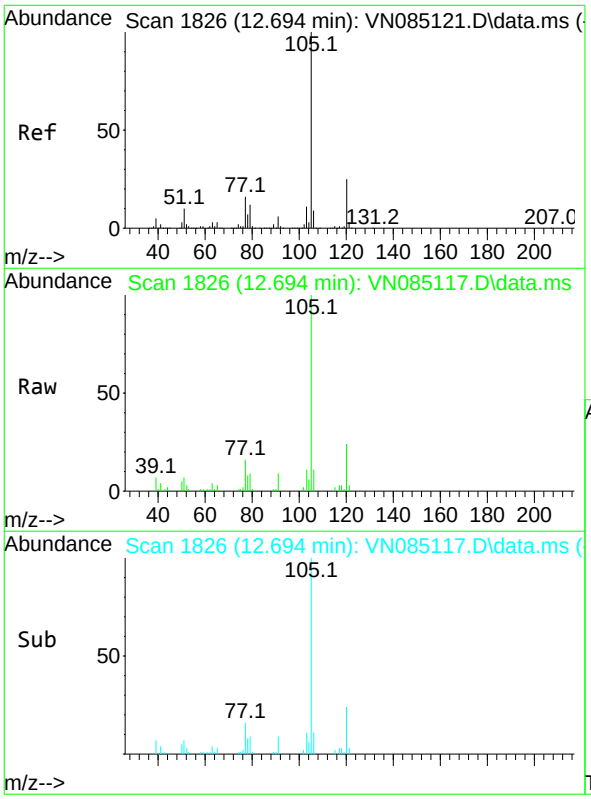
Ion	Ratio	Lower	Upper
104	100		
78	57.0	42.3	63.5
103	58.1	44.4	66.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

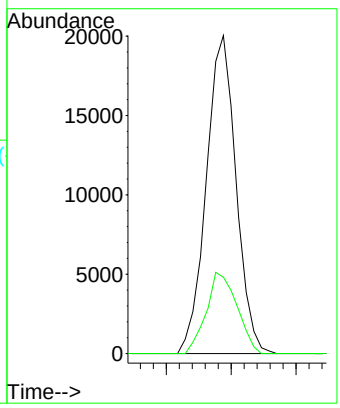
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

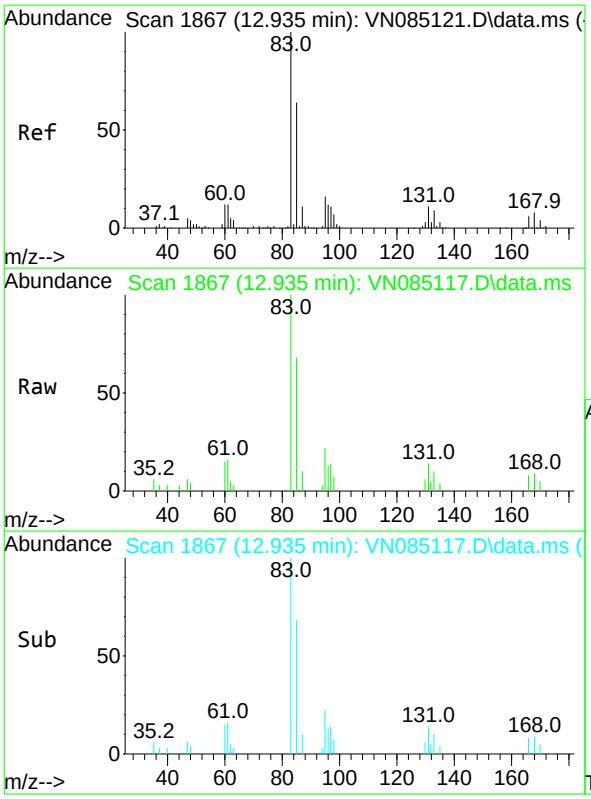


#70
Isopropylbenzene
Concen: 4.073 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:105 Resp: 31980

Ion	Ratio	Lower	Upper
105	100		
120	26.3	18.3	33.9

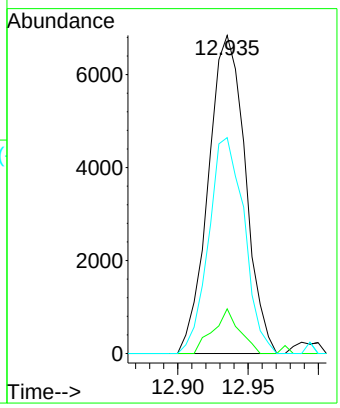




#71
1,1,2,2-Tetrachloroethane
Concen: 5.232 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 83 Resp: 12502

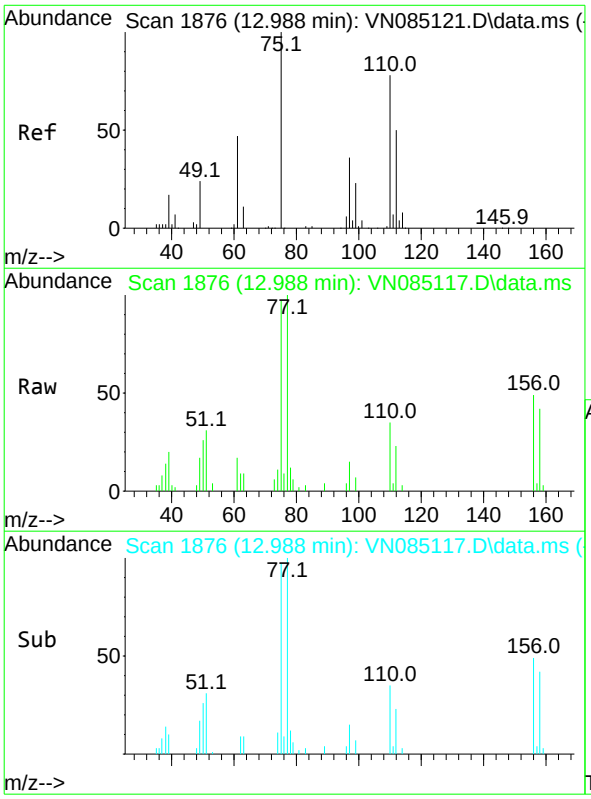
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.1	15.3
85	65.2	31.1	93.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

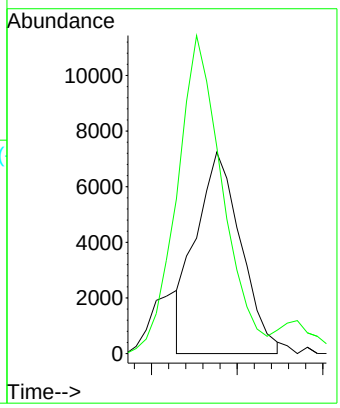
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

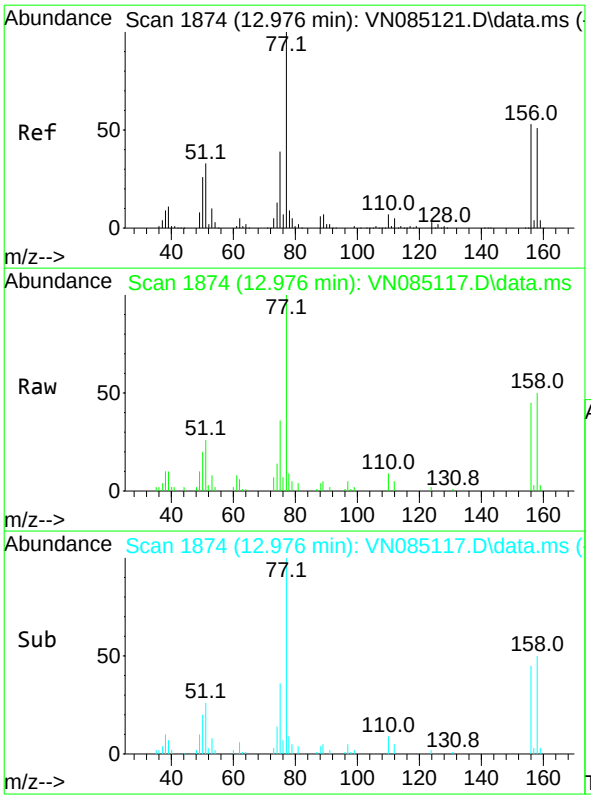


#72
1,2,3-Trichloropropane
Concen: 5.597 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 75 Resp: 13212

Ion	Ratio	Lower	Upper
75	100		
77	159.8	0.0	339.0

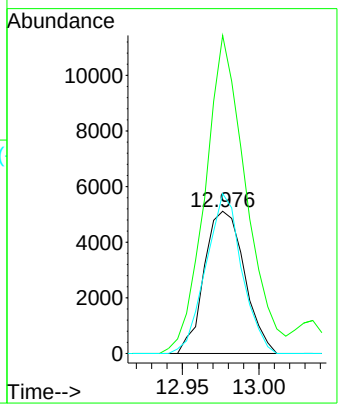




#73
Bromobenzene
Concen: 4.742 ug/l
RT: 12.976 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:156 Resp: 9325

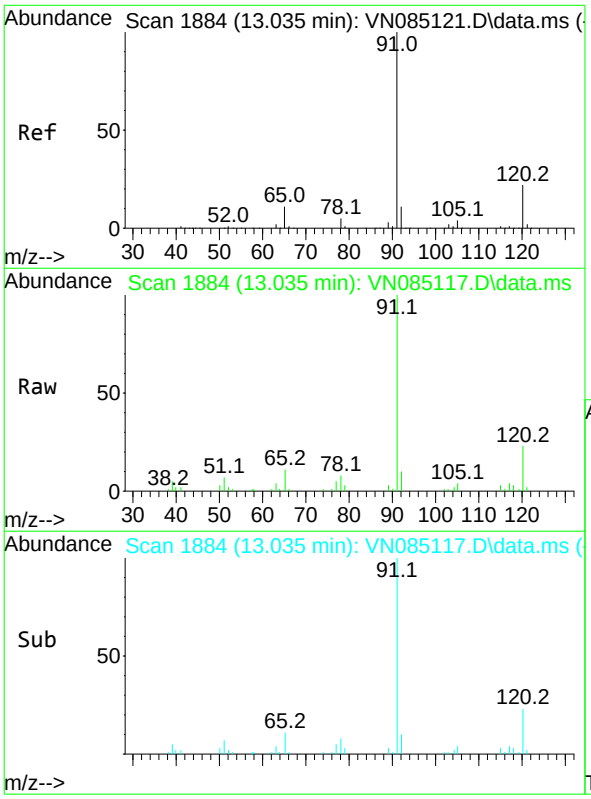
Ion	Ratio	Lower	Upper
156	100		
77	226.5	0.0	430.4
158	100.2	0.0	195.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

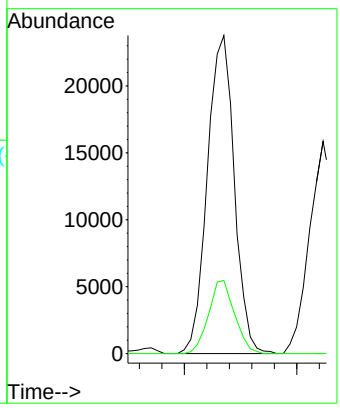
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

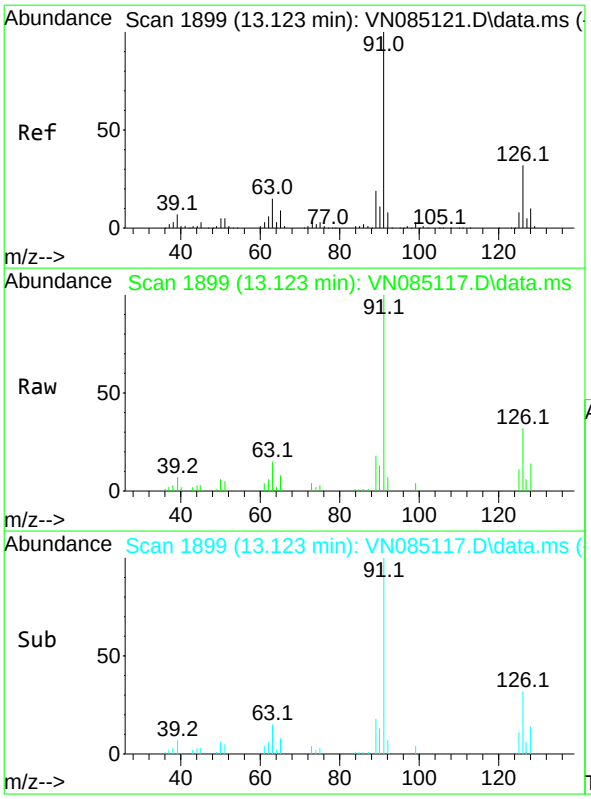


#74
n-propylbenzene
Concen: 4.194 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 91 Resp: 39585

Ion	Ratio	Lower	Upper
91	100		
120	22.2	0.0	44.0

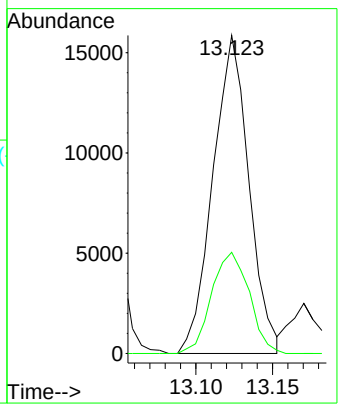




#75
2-Chlorotoluene
Concen: 4.445 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 91 Resp: 25942

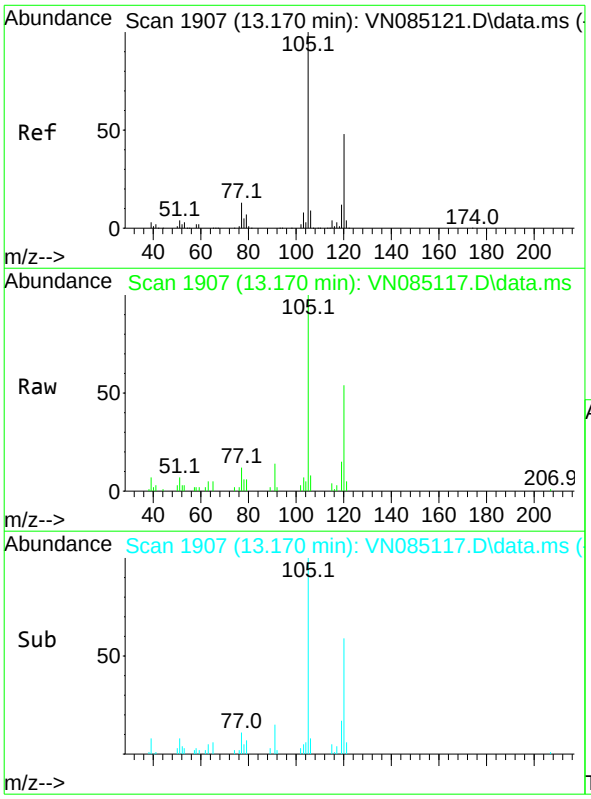
Ion	Ratio	Lower	Upper
91	100		
126	33.2	0.0	64.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

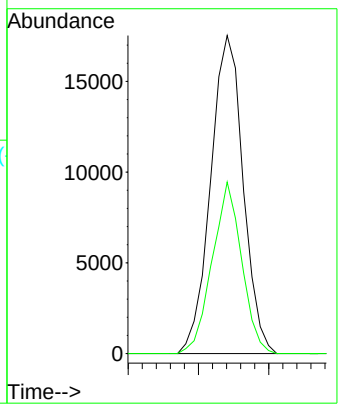
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

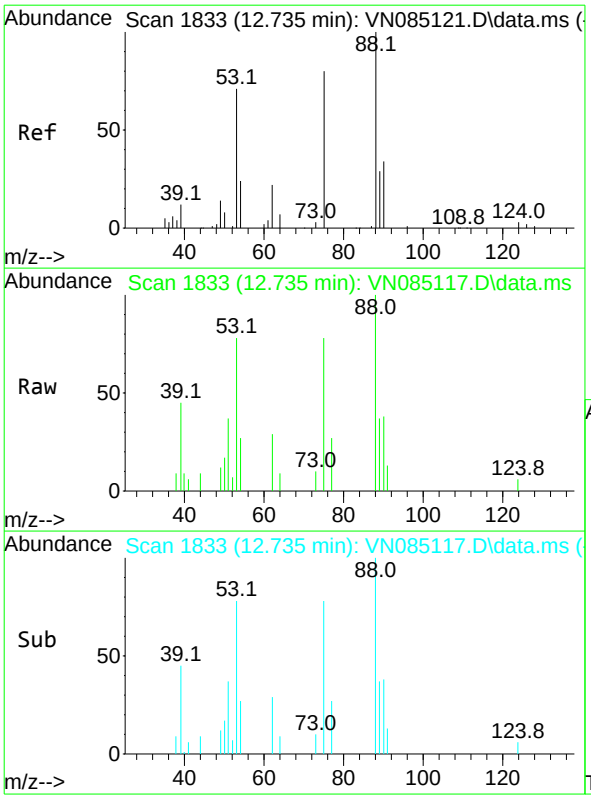


#76
1,3,5-Trimethylbenzene
Concen: 4.187 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:105 Resp: 28160

Ion	Ratio	Lower	Upper
105	100		
120	48.8	0.0	94.4

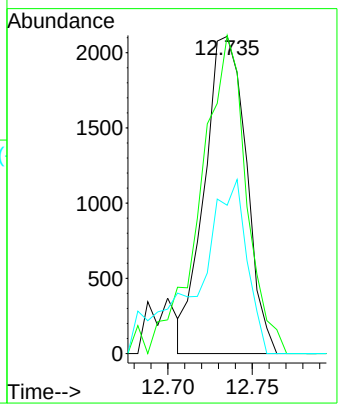




#77
t-1,4-Dichloro-2-butene
Concen: 4.218 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 75 Resp: 3618

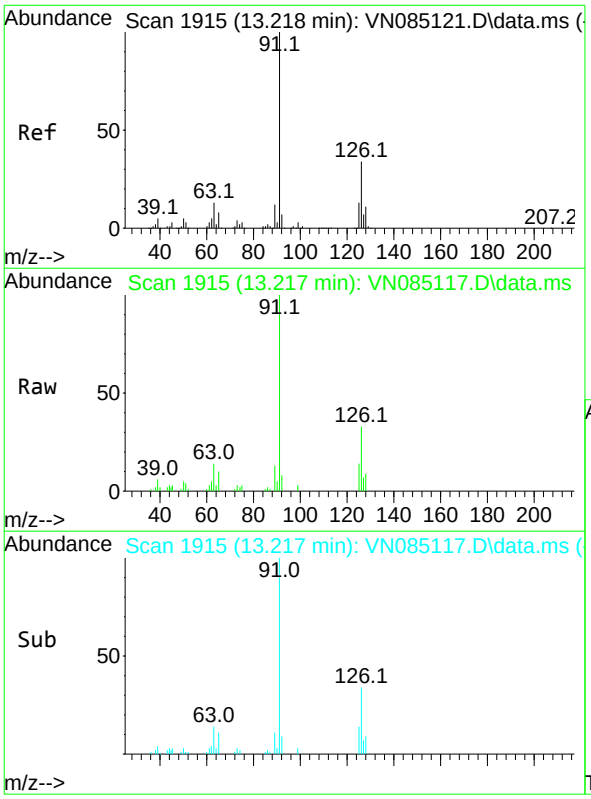
Ion	Ratio	Lower	Upper
75	100		
53	92.7	49.1	147.3
89	46.8	22.9	68.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

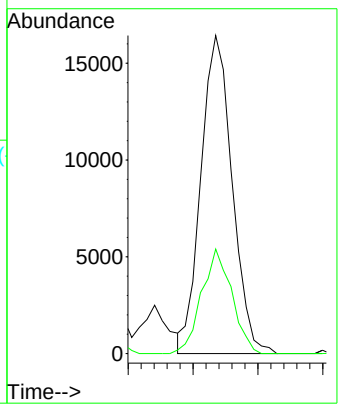
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

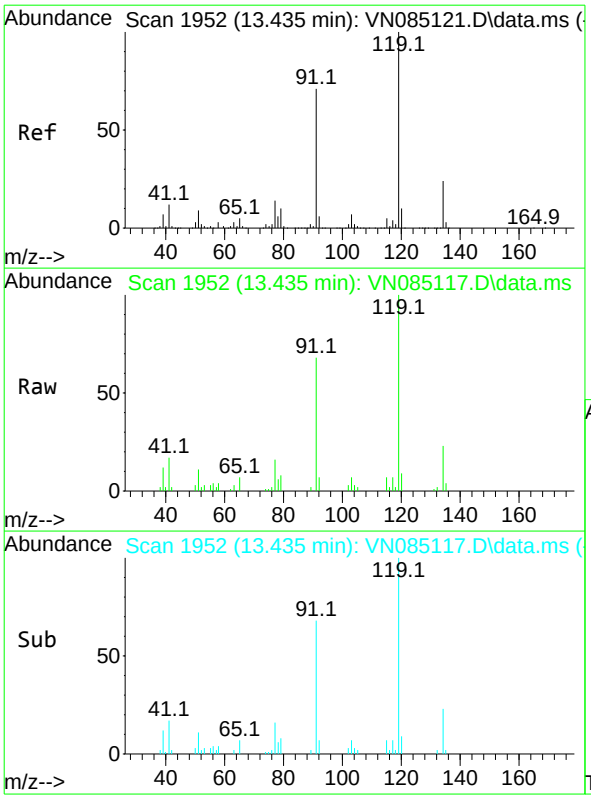


#78
4-Chlorotoluene
Concen: 4.644 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 91 Resp: 27508

Ion	Ratio	Lower	Upper
91	100		
126	31.8	0.0	64.4

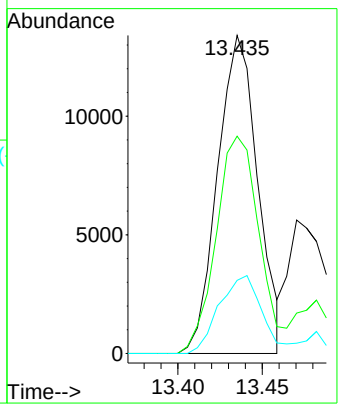




#79
tert-butylbenzene
Concen: 4.019 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:119 Resp: 22204

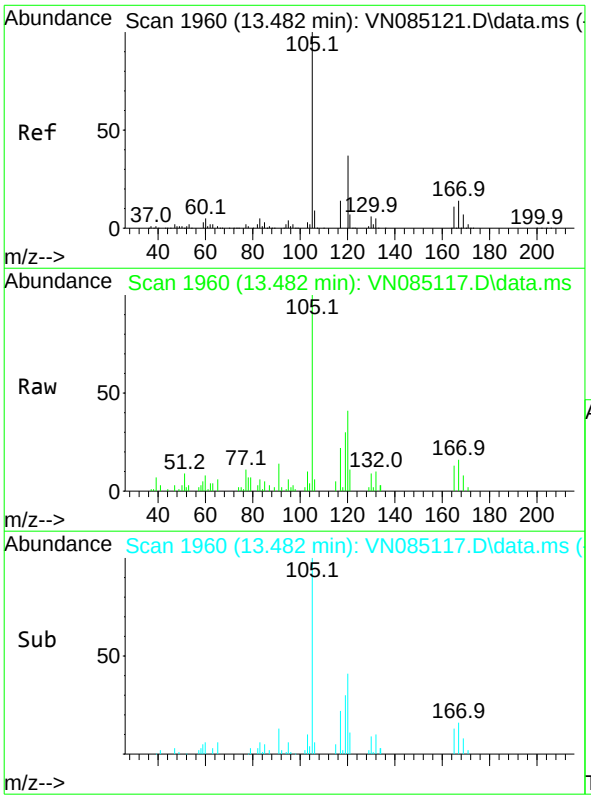
Ion	Ratio	Lower	Upper
119	100		
91	73.7	0.0	139.2
134	26.0	0.0	48.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

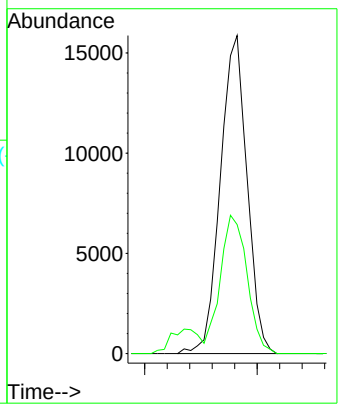
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

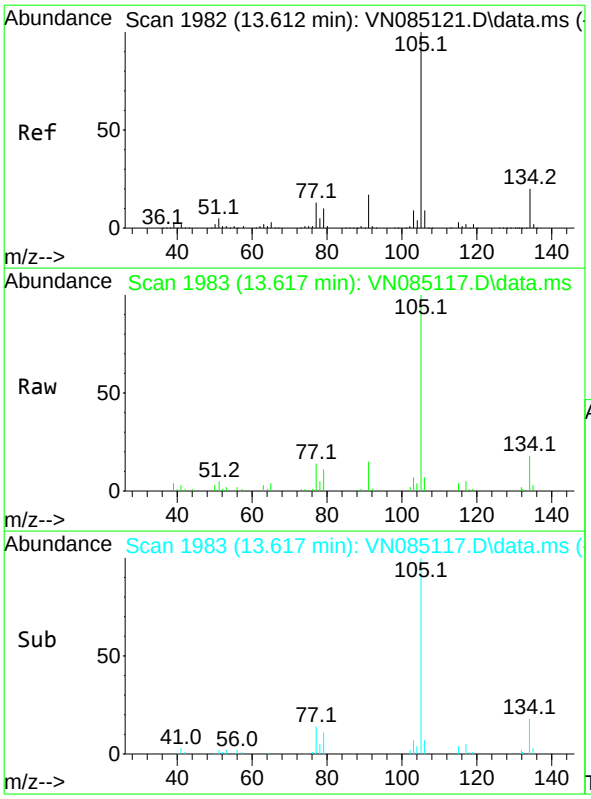


#80
1,2,4-Trimethylbenzene
Concen: 3.933 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:105 Resp: 26128

Ion	Ratio	Lower	Upper
105	100		
120	43.8	0.0	87.4

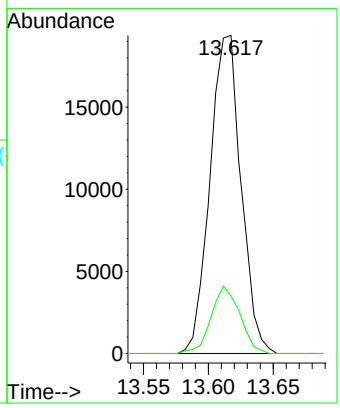




#81
sec-Butylbenzene
Concen: 4.109 ug/l
RT: 13.617 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:105 Resp: 32252

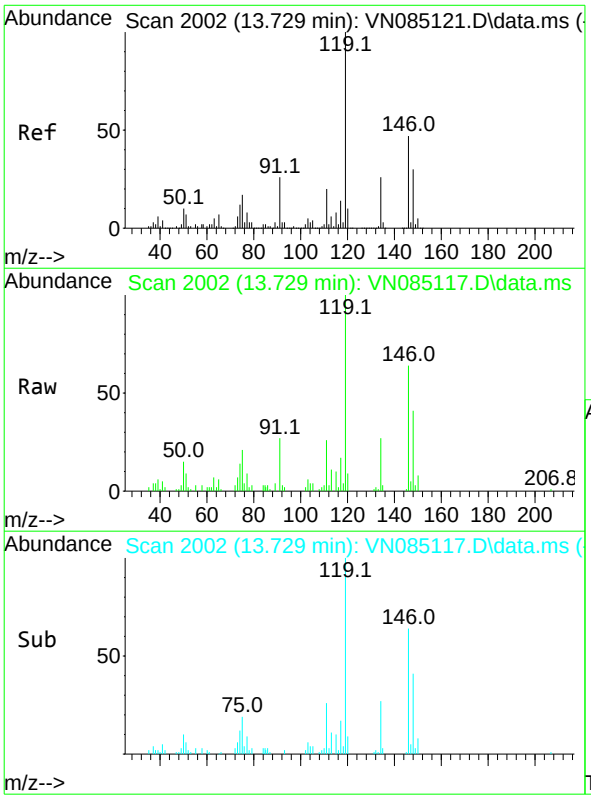
Ion	Ratio	Lower	Upper
105	100		
134	19.6	0.0	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

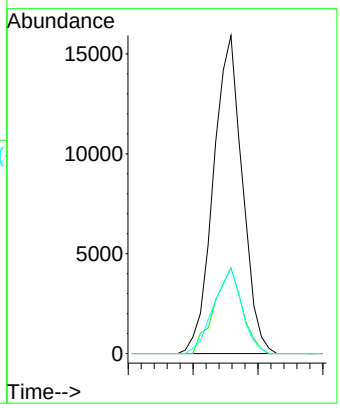
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

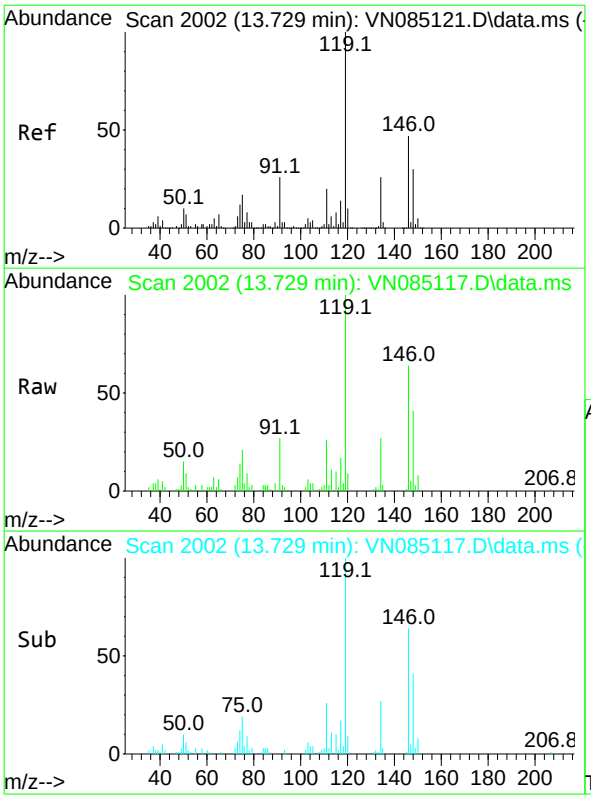


#82
p-Isopropyltoluene
Concen: 3.803 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:119 Resp: 24743

Ion	Ratio	Lower	Upper
119	100		
134	26.1	0.0	51.6
91	26.2	0.0	50.4

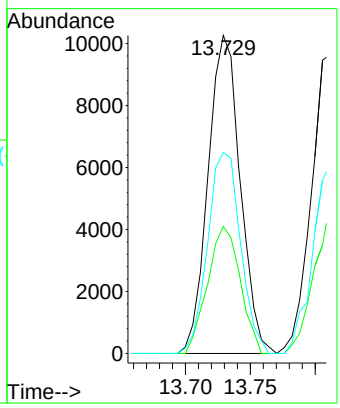




#83
1,3-Dichlorobenzene
Concen: 4.900 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:146 Resp: 17680

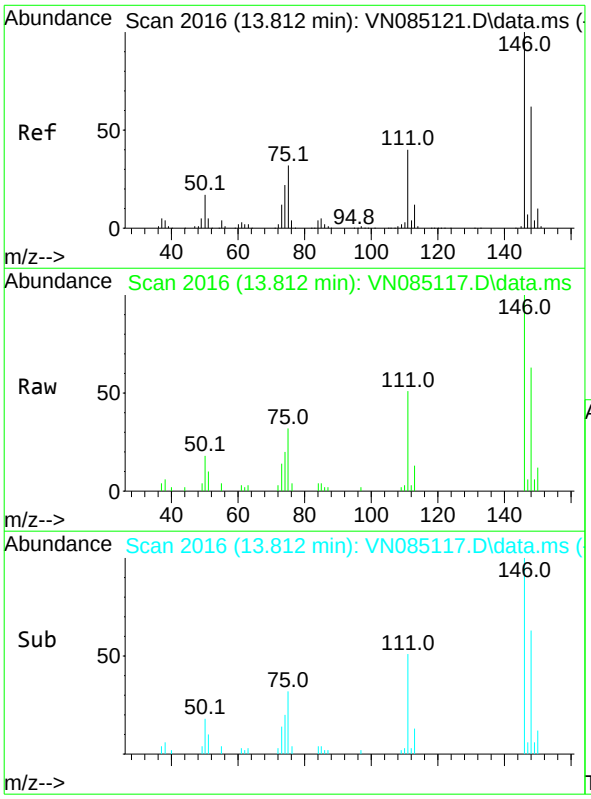
Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.1	63.3
148	64.8	31.8	95.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

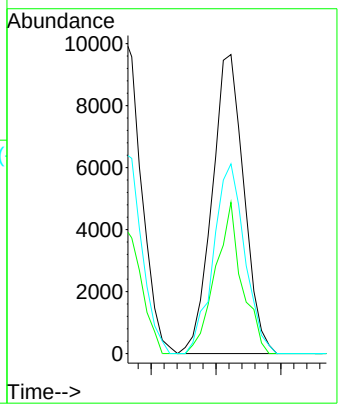
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

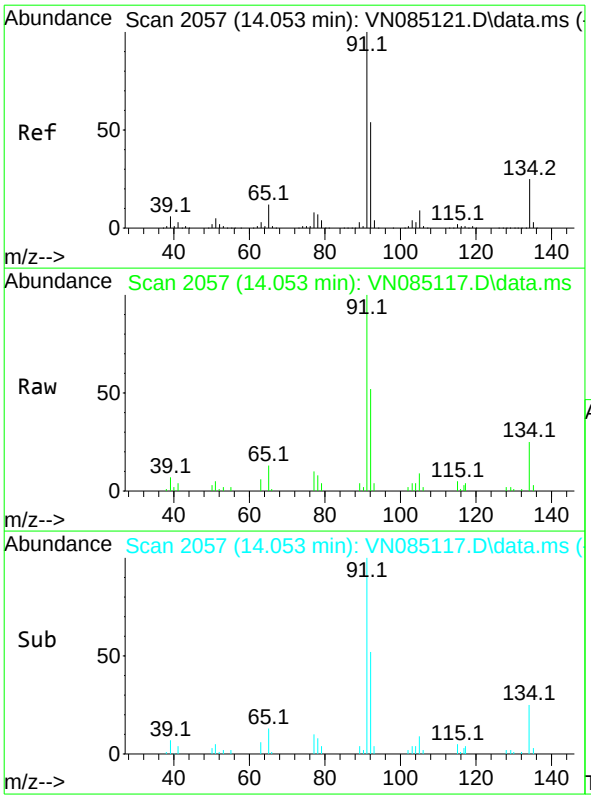


#84
1,4-Dichlorobenzene
Concen: 4.680 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:146 Resp: 16455

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.1	60.3
148	62.6	31.6	94.7

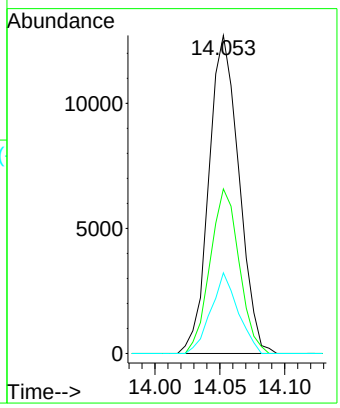




#85
n-Butylbenzene
Concen: 3.756 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 91 Resp: 20500

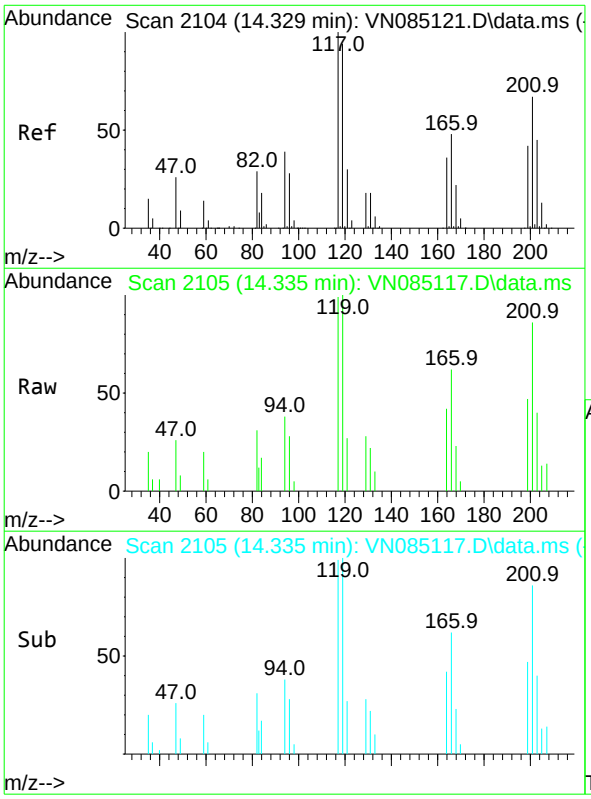
Ion	Ratio	Lower	Upper
91	100		
92	50.0	0.0	104.0
134	22.8	0.0	49.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

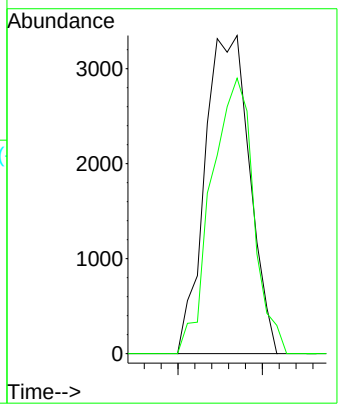
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

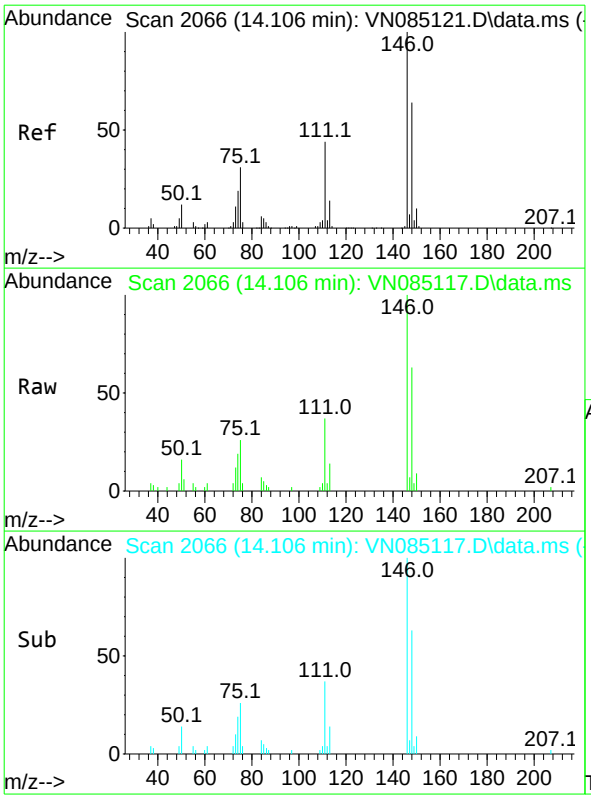


#86
Hexachloroethane
Concen: 4.778 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:117 Resp: 6189

Ion	Ratio	Lower	Upper
117	100		
201	81.3	34.1	102.3

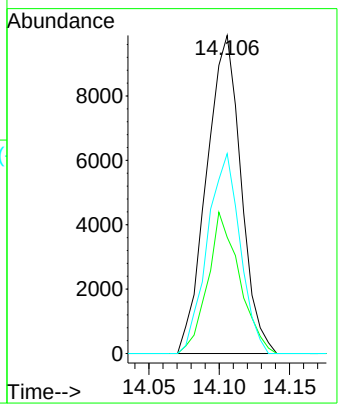




#87
1,2-Dichlorobenzene
Concen: 4.950 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:146 Resp: 16856

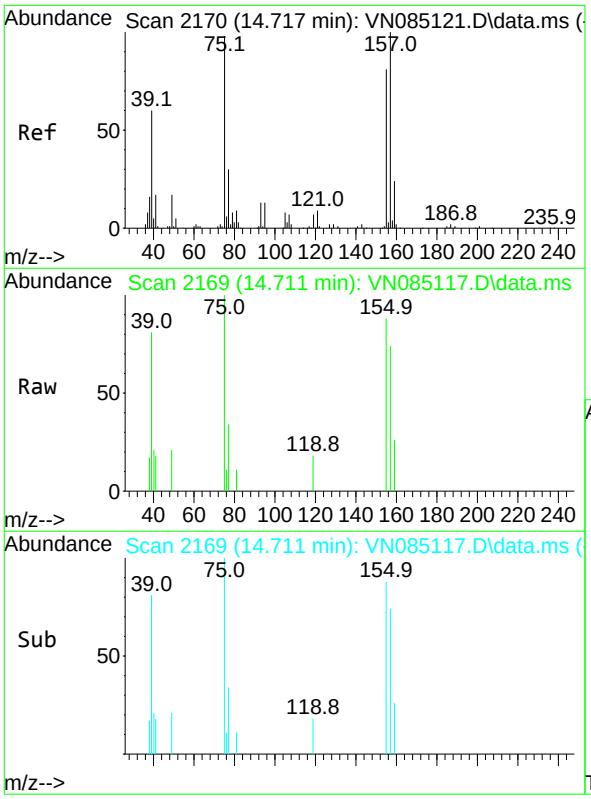
Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.9	65.7
148	59.8	32.4	97.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

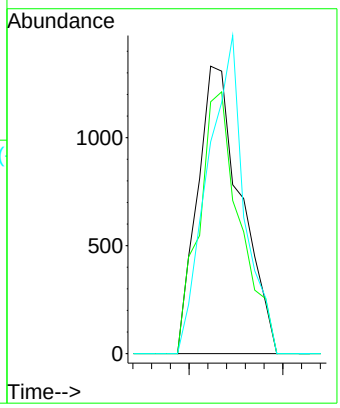
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

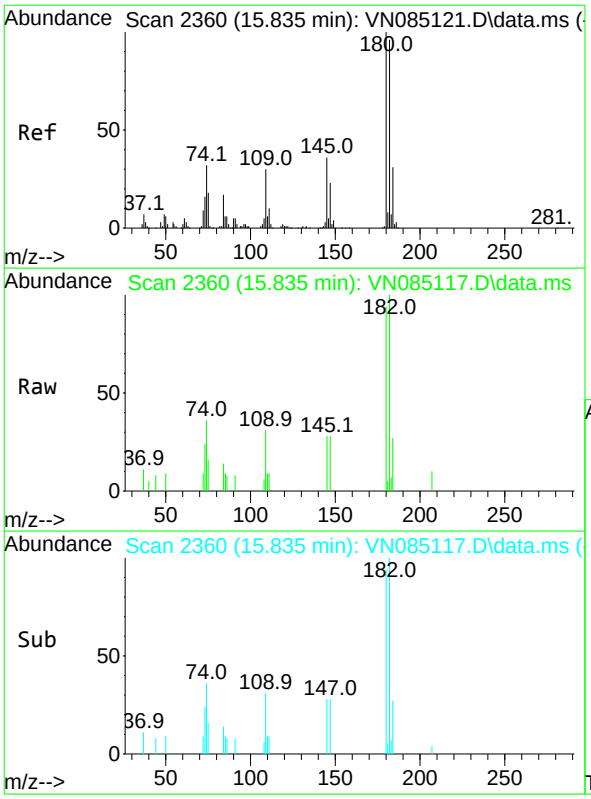


#88
1,2-Dibromo-3-Chloropropane
Concen: 4.495 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 75 Resp: 2146

Ion	Ratio	Lower	Upper
75	100		
155	85.4	62.1	93.1
157	94.2	79.3	118.9

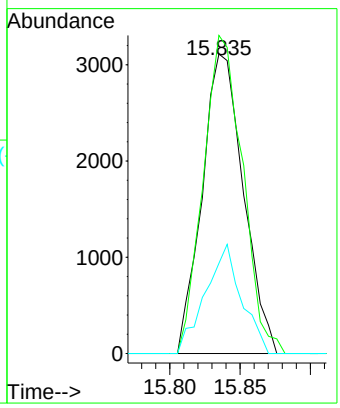




#89
1,2,4-Trichlorobenzene
Concen: 3.806 ug/l
RT: 15.835 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:180 Resp: 6347

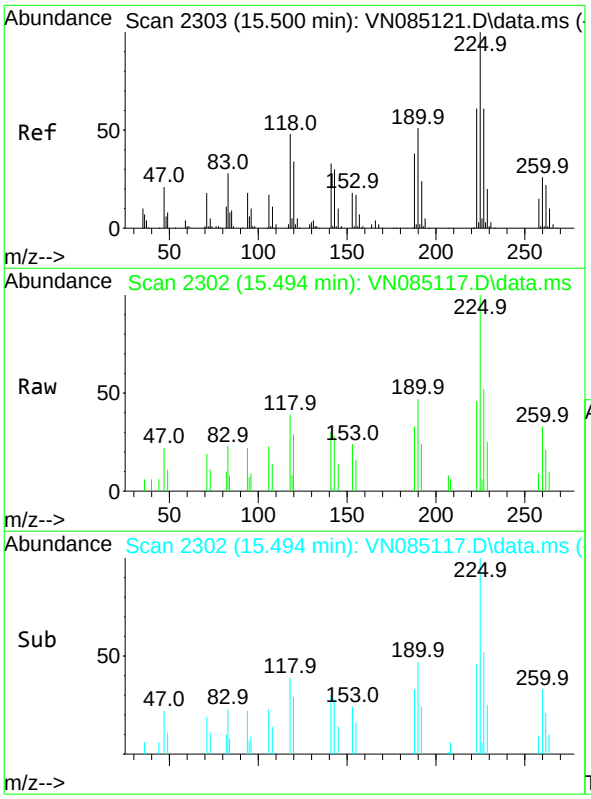
Ion	Ratio	Lower	Upper
180	100		
182	101.3	74.0	111.0
145	31.8	28.6	43.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

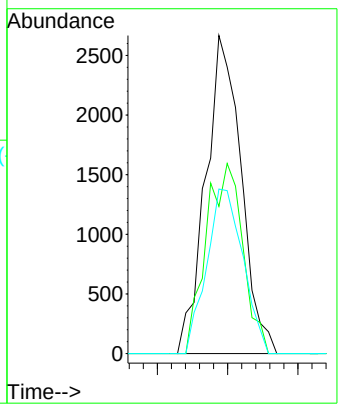
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

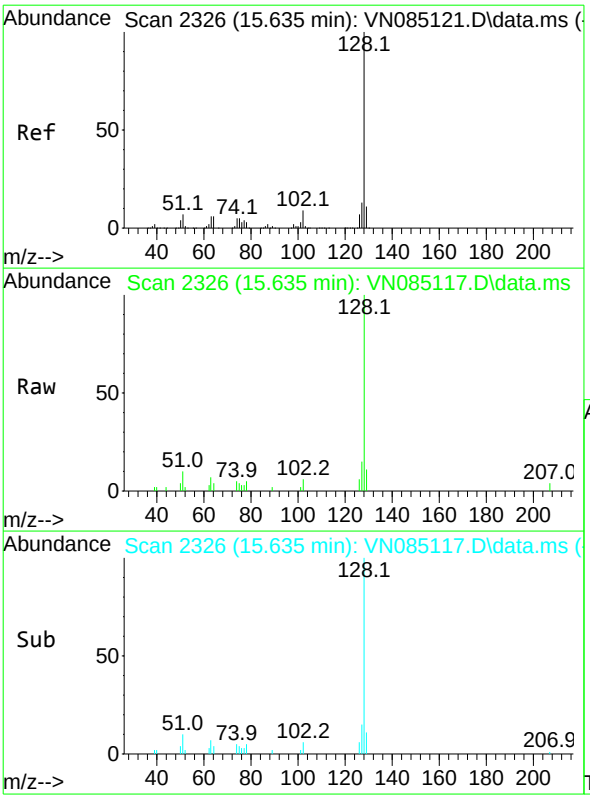


#90
Hexachlorobutadiene
Concen: 5.392 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:225 Resp: 4673

Ion	Ratio	Lower	Upper
225	100		
223	61.7	0.0	121.8
227	53.0	0.0	126.8

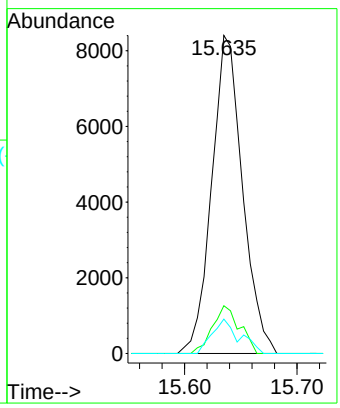




#91
Naphthalene
Concen: 3.083 ug/l
RT: 15.635 min Scan# 23
Delta R.T. -0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:128 Resp: 15972

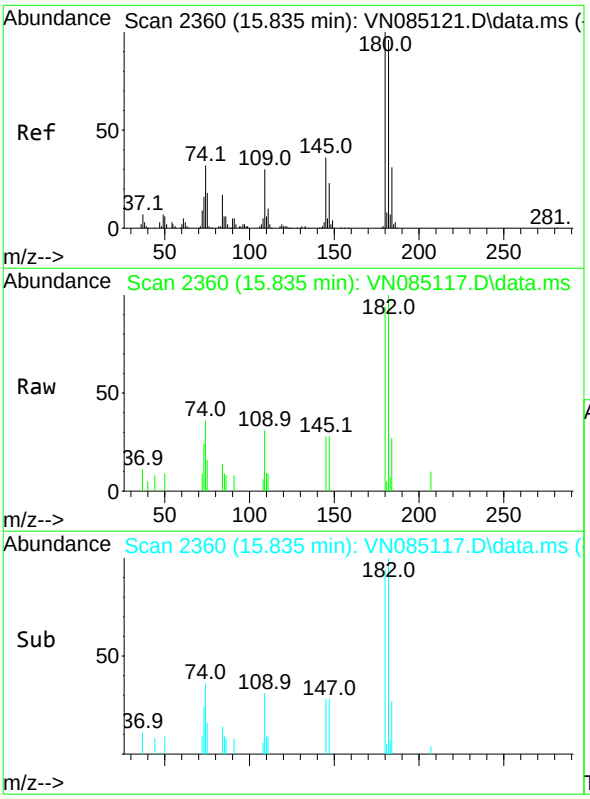
Ion	Ratio	Lower	Upper
128	100		
127	13.3	11.0	16.4
129	7.3	8.7	13.1#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

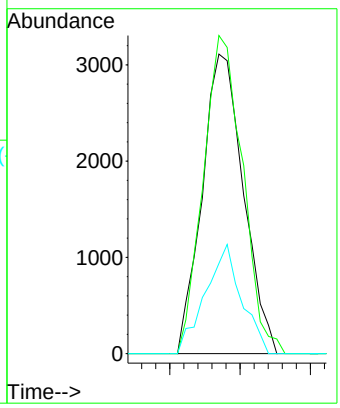
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024



#92
1,2,3-Trichlorobenzene
Concen: 3.806 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:180 Resp: 6347

Ion	Ratio	Lower	Upper
180	100		
182	101.3	0.0	185.0
145	31.8	0.0	71.6



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085118.D
Acq On : 06 Dec 2024 10:26
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 06 22:28:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	31263	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	162398	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	151793	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	74804	30.155	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.533%			
60) 4-Bromofluorobenzene	12.847	95	75101	29.902	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.667%			
63) Toluene-d8	10.565	98	218988	30.755	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.533%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	51416	20.557	ug/l	100
3) Chloromethane	2.359	50	43625	19.705	ug/l	100
4) Vinyl Chloride	2.512	62	44749	19.762	ug/l	100
5) Bromomethane	2.965	94	27801	19.338	ug/l	100
6) Chloroethane	3.124	64	27130	19.501	ug/l	100
7) Trichlorofluoromethane	3.500	101	72134	19.461	ug/l	100
8) Diethyl Ether	3.959	74	21832	18.596	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	40093	19.343	ug/l	100
10) 1,1-Dichloroethene	4.342	96	36518	19.181	ug/l	100
11) Methyl Iodide	4.589	142	48887	18.514	ug/l	100
12) Methyl Acetate	5.018	43	42971	19.131	ug/l	100
13) Acrolein	4.183	56	26615	81.540	ug/l	100
14) Acrylonitrile	5.718	53	87191	93.488	ug/l	100
15) Acetone	4.424	58	23800	94.168	ug/l	100
16) Carbon Disulfide	4.712	76	111875	19.659	ug/l	100
17) Allyl chloride	5.024	41	49995	18.351	ug/l	100
18) Methylene Chloride	5.271	84	41937	19.412	ug/l	100
19) trans-1,2-Dichloroethene	5.783	96	37486	18.942	ug/l	100
20) Diisopropyl ether	6.665	45	118238	19.776	ug/l	100
21) 1,1-Dichloroethane	6.565	63	71204	19.296	ug/l	100
22) cis-1,2-Dichloroethene	7.488	96	44288	19.471	ug/l	100
23) tert-Butyl Alcohol	5.512	59	30593	91.438	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	113672	19.125	ug/l	100
25) Chloroform	7.959	83	75756	19.596	ug/l	100
26) Cyclohexane	8.253	56	60954	20.061	ug/l	100
29) 1,1-Dichloropropene	8.371	75	52226	19.930	ug/l	100
30) 2-Butanone	7.483	43	117537	97.739	ug/l	100
31) 2,2-Dichloropropane	7.488	77	65781	19.575	ug/l #	100
32) 1,1,1-Trichloroethane	8.171	97	71977	20.293	ug/l	100
33) Carbon Tetrachloride	8.359	117	63567	19.861	ug/l	100
34) Benzene	8.606	78	162502	19.740	ug/l	100
35) Methacrylonitrile	7.777	41	27120	20.040	ug/l	100
36) 1,2-Dichloroethane	8.665	62	54631	19.494	ug/l	100
37) Trichloroethene	9.353	130	38555	19.667	ug/l	100
38) Methylcyclohexane	9.600	83	52032	18.261	ug/l	100
39) 1,2-Dichloropropane	9.618	63	40007	20.064	ug/l	100
40) Dibromomethane	9.706	93	28813	20.145	ug/l	100
41) Bromodichloromethane	9.882	83	60013	19.628	ug/l	100
42) Vinyl Acetate	6.600	43	404546	96.136	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085118.D
Acq On : 06 Dec 2024 10:26
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 06 22:28:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	43730	18.276	ug/l	100
44) Isopropyl Acetate	8.688	43	80717	19.412	ug/l	100
45) 1,4-Dioxane	9.694	88	13988	403.408	ug/l	100
46) Methyl methacrylate	9.682	41	37174	19.535	ug/l	100
47) n-amyl Acetate	12.494	43	67009	19.154	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	55998	18.657	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	63845	19.540	ug/l	100
50) 1,1,2-Trichloroethane	11.012	97	38466	19.958	ug/l	100
51) Ethyl methacrylate	10.871	69	54805	18.696	ug/l	100
52) 1,3-Dichloropropane	11.159	76	63330	19.634	ug/l	100
53) Dibromochloromethane	11.353	129	46068	19.614	ug/l	100
54) 1,2-Dibromoethane	11.465	107	37625	19.376	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	133977	98.387	ug/l	100
56) Bromoform	12.576	173	29780	18.911	ug/l	100
58) 4-Methyl-2-Pentanone	10.441	43	249951	100.896	ug/l	100
59) 2-Hexanone	11.194	43	190003	101.223	ug/l	100
61) Tetrachloroethene	11.100	164	36183	19.684	ug/l	100
62) Toluene	10.629	91	173344	19.581	ug/l	100
64) Chlorobenzene	11.888	112	106855	19.550	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	38831	19.032	ug/l	100
66) Ethyl Benzene	11.965	91	176006	18.737	ug/l	100
67) m/p-Xylenes	12.070	106	144263	39.929	ug/l	100
68) o-Xylene	12.394	106	65568	19.324	ug/l	100
69) Styrene	12.412	104	111060	19.289	ug/l	100
70) Isopropylbenzene	12.694	105	167624	19.153	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	53829	20.208	ug/l	100
72) 1,2,3-Trichloropropane	12.994	75	53975m	20.512	ug/l	
73) Bromobenzene	12.976	156	42513	19.393	ug/l	100
74) n-propylbenzene	13.035	91	204446	19.431	ug/l	100
75) 2-Chlorotoluene	13.123	91	128581	19.766	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	145824	19.449	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	18073	18.901	ug/l	100
78) 4-Chlorotoluene	13.217	91	127680	19.337	ug/l	100
79) tert-butylbenzene	13.435	119	118752	19.283	ug/l	100
80) 1,2,4-Trimethylbenzene	13.476	105	144579	19.521	ug/l	100
81) sec-Butylbenzene	13.612	105	168895	19.304	ug/l	100
82) p-Isopropyltoluene	13.729	119	138833	19.140	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	77464	19.261	ug/l	100
84) 1,4-Dichlorobenzene	13.812	146	75083	19.156	ug/l	100
85) n-Butylbenzene	14.053	91	109819	18.049	ug/l	100
86) Hexachloroethane	14.329	117	27795	19.248	ug/l	100
87) 1,2-Dichlorobenzene	14.100	146	72993	19.228	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10448	19.634	ug/l	100
89) 1,2,4-Trichlorobenzene	15.835	180	34577	18.598	ug/l	100
90) Hexachlorobutadiene	15.500	225	18570	19.222	ug/l	100
91) Naphthalene	15.641	128	98254	17.011	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	34577	18.598	ug/l	100

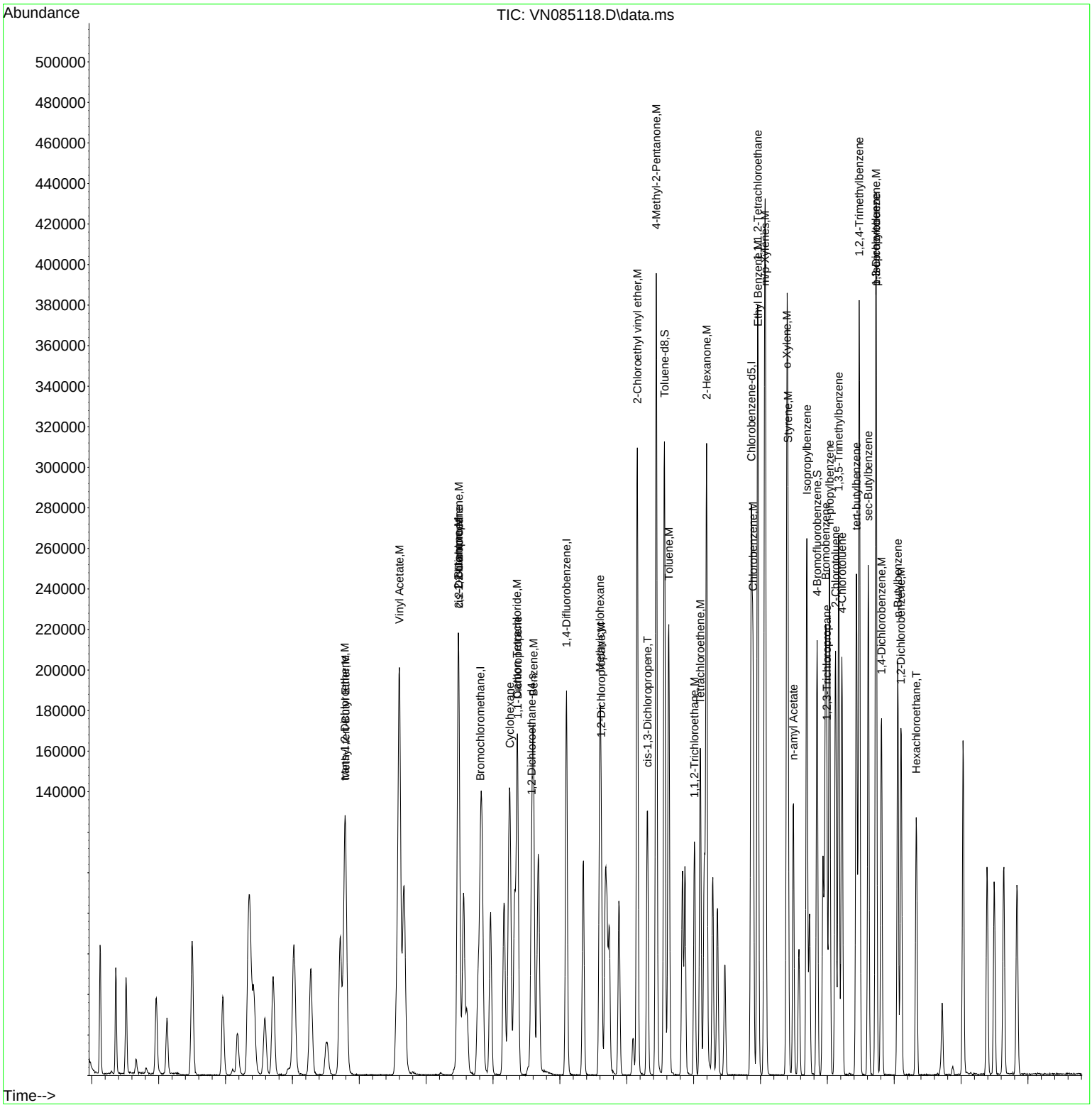
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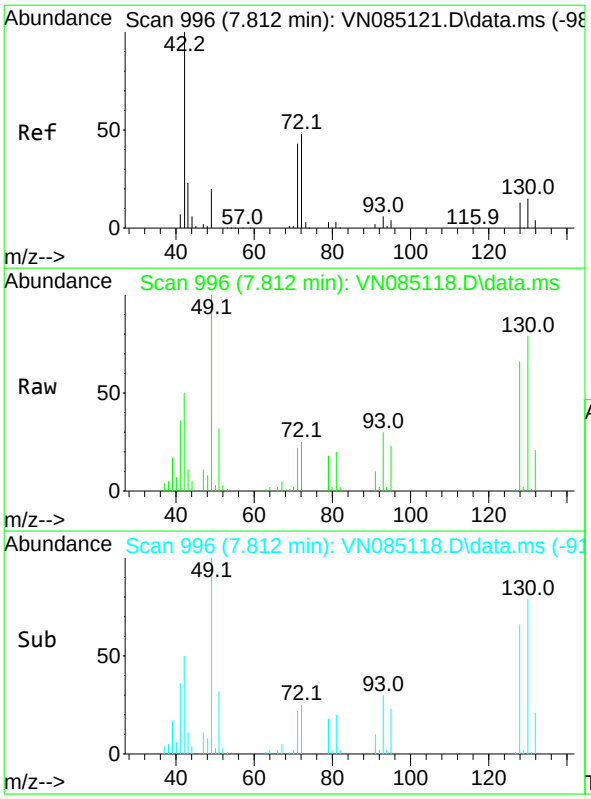
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Data File : VN085118.D
Acq On : 06 Dec 2024 10:26
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 06 22:28:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

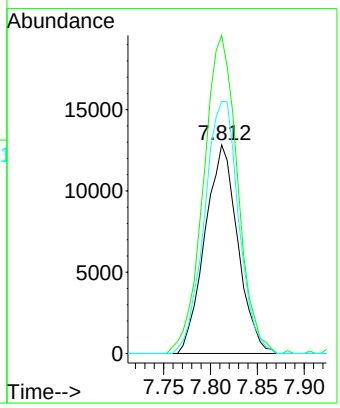




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:128 Resp: 31263

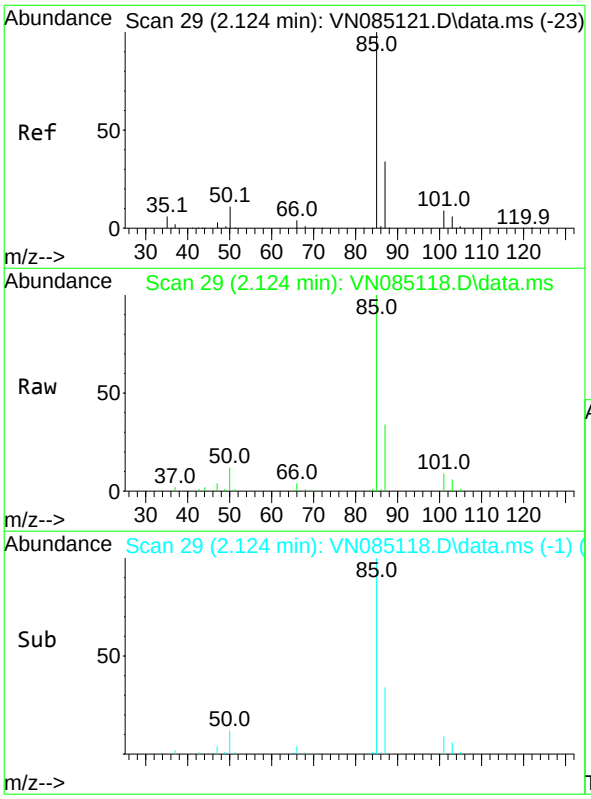
Ion	Ratio	Lower	Upper
128	100		
49	157.8	0.0	394.5
130	126.6	0.0	316.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
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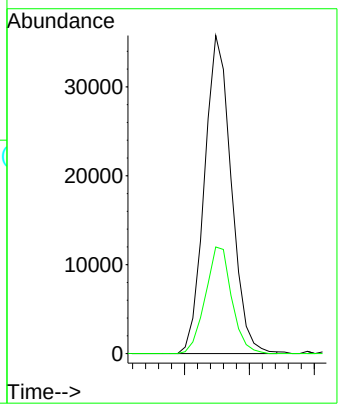
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

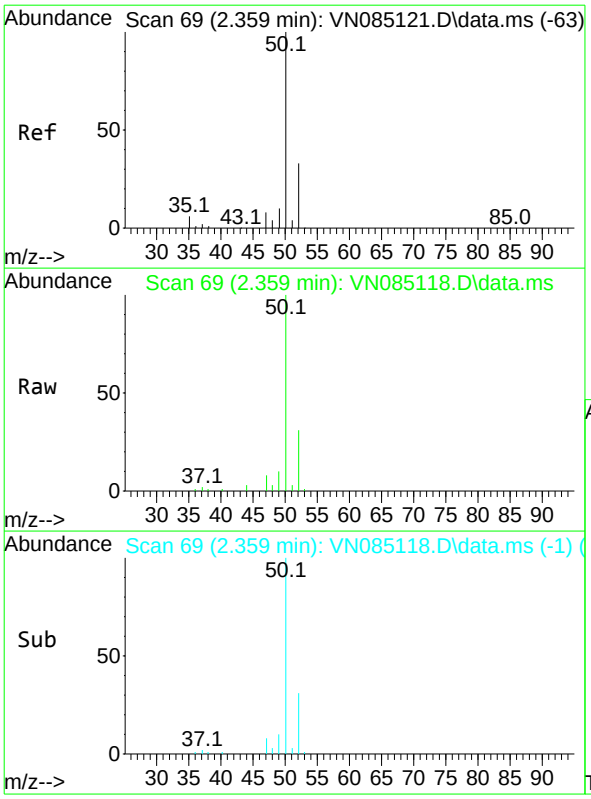


#2
Dichlorodifluoromethane
Concen: 20.557 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 85 Resp: 51416

Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.8	50.3

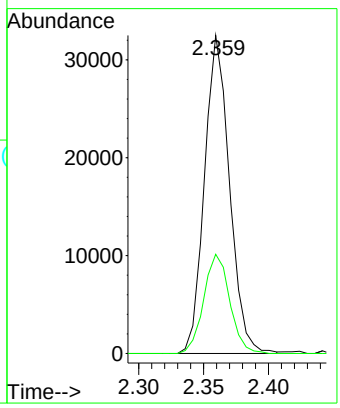




#3
Chloromethane
Concen: 19.705 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 50 Resp: 43625

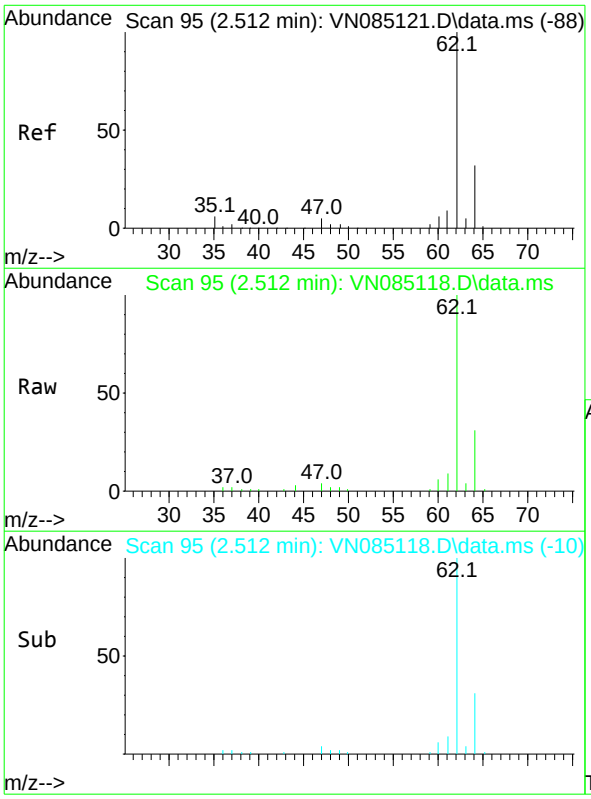
Ion	Ratio	Lower	Upper
50	100		
52	31.2	25.0	37.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

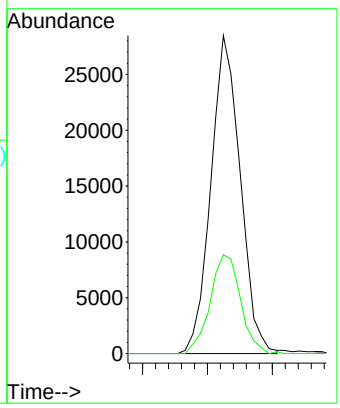
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

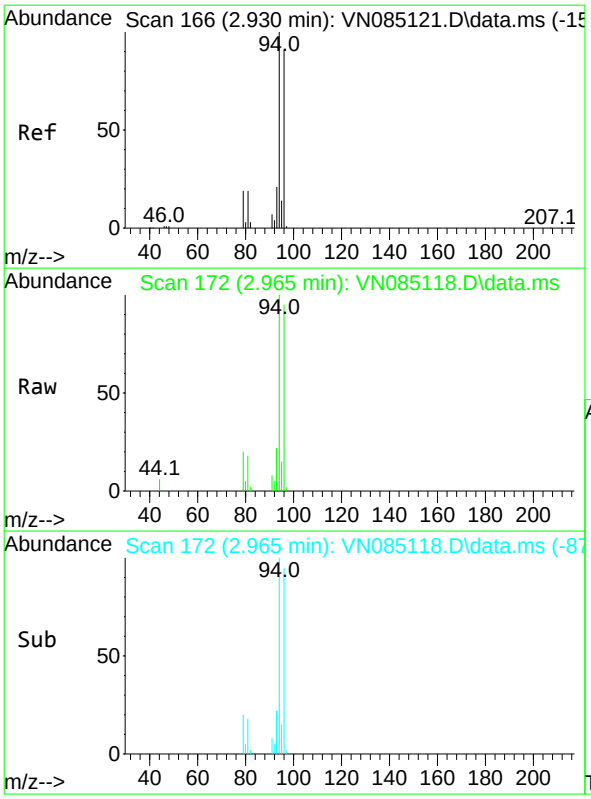


#4
Vinyl Chloride
Concen: 19.762 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 62 Resp: 44749

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3

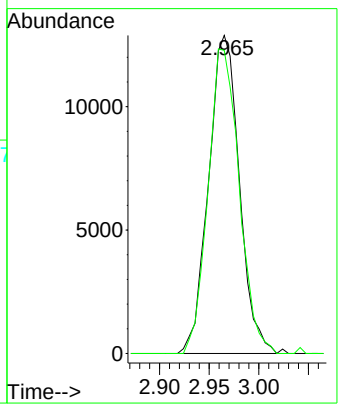




#5
Bromomethane
Concen: 19.338 ug/l
RT: 2.965 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 94 Resp: 27801

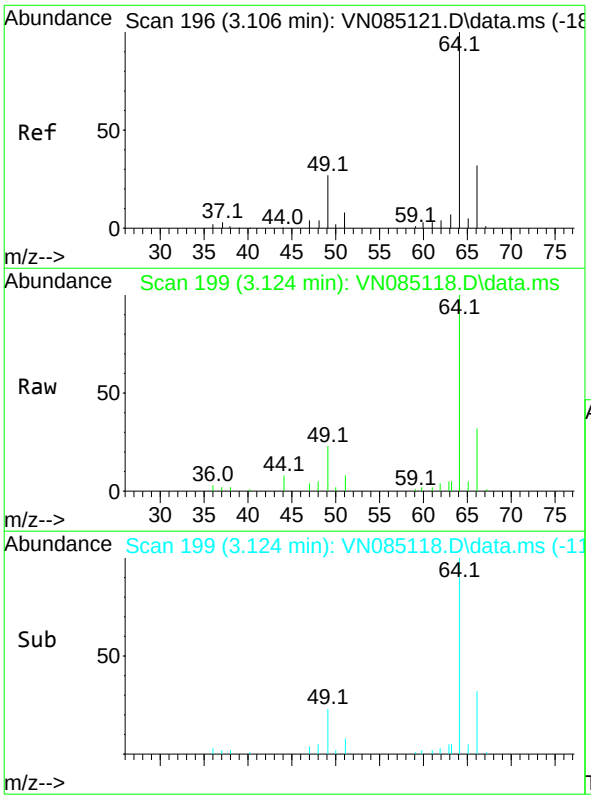
Ion	Ratio	Lower	Upper
94	100		
96	95.3	76.2	114.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

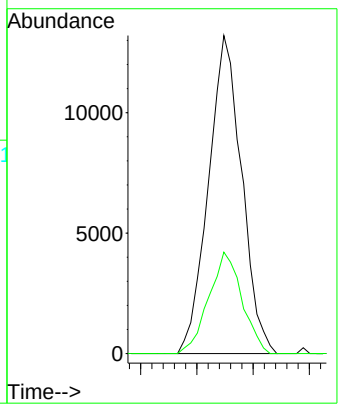
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

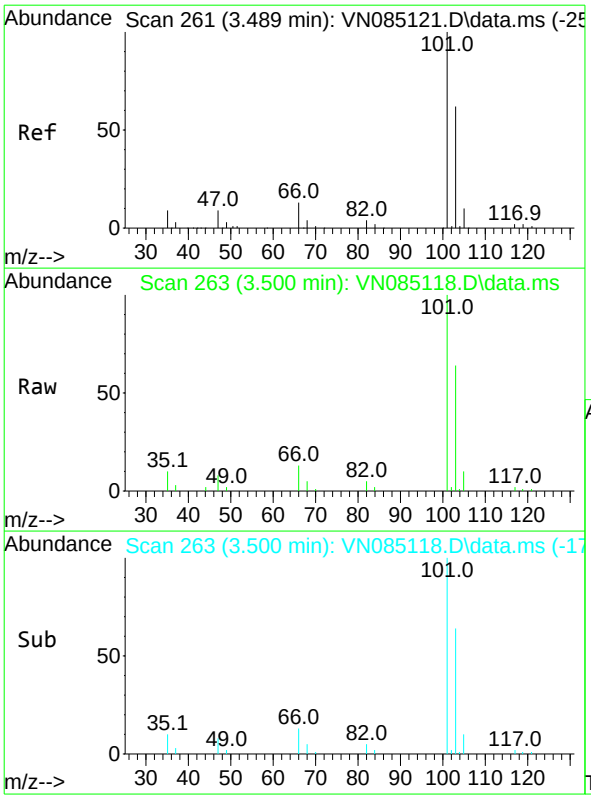


#6
Chloroethane
Concen: 19.501 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 64 Resp: 27130

Ion	Ratio	Lower	Upper
64	100		
66	31.9	25.5	38.3

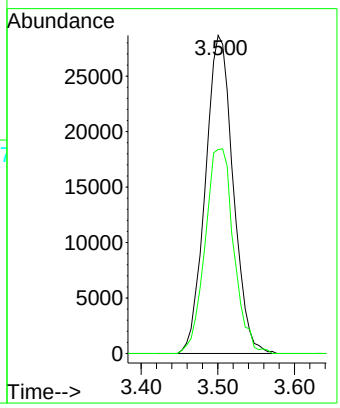




#7
Trichlorofluoromethane
Concen: 19.461 ug/l
RT: 3.500 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:101 Resp: 72134

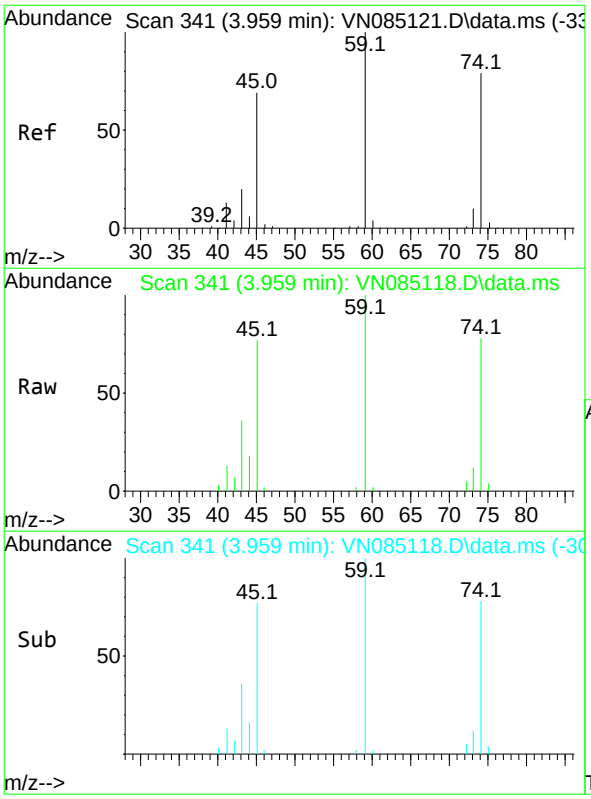
Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.3	76.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

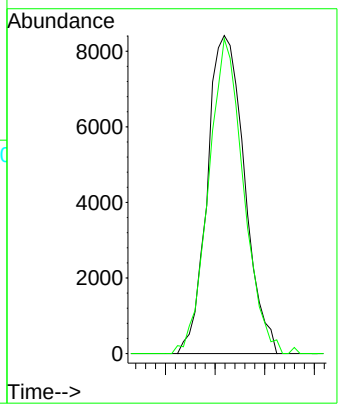
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

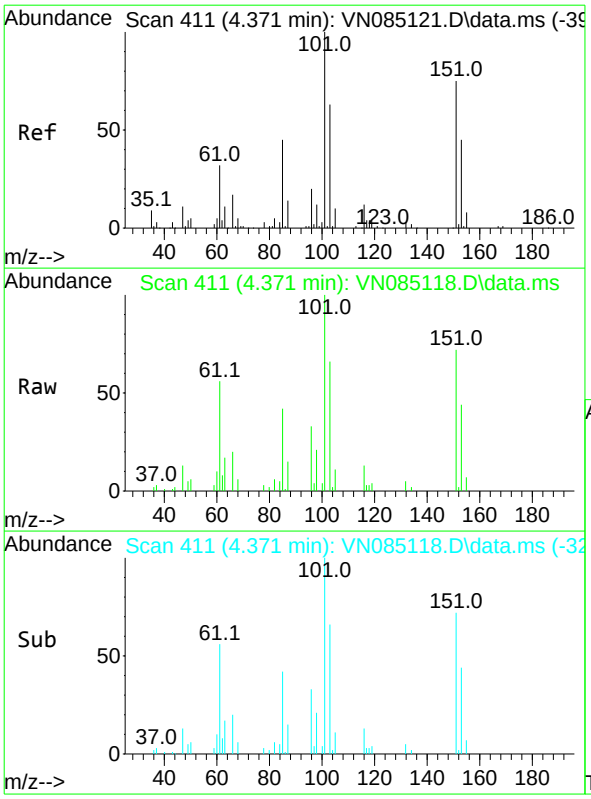


#8
Diethyl Ether
Concen: 18.596 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 74 Resp: 21832

Ion	Ratio	Lower	Upper
74	100		
45	93.2	18.6	167.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.343 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

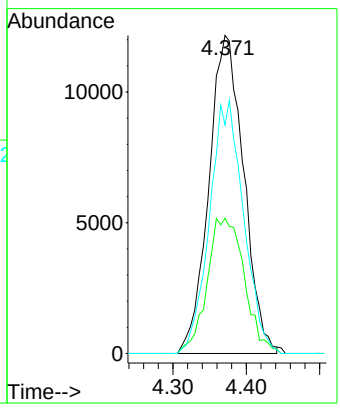
Tgt Ion:101 Resp: 40093

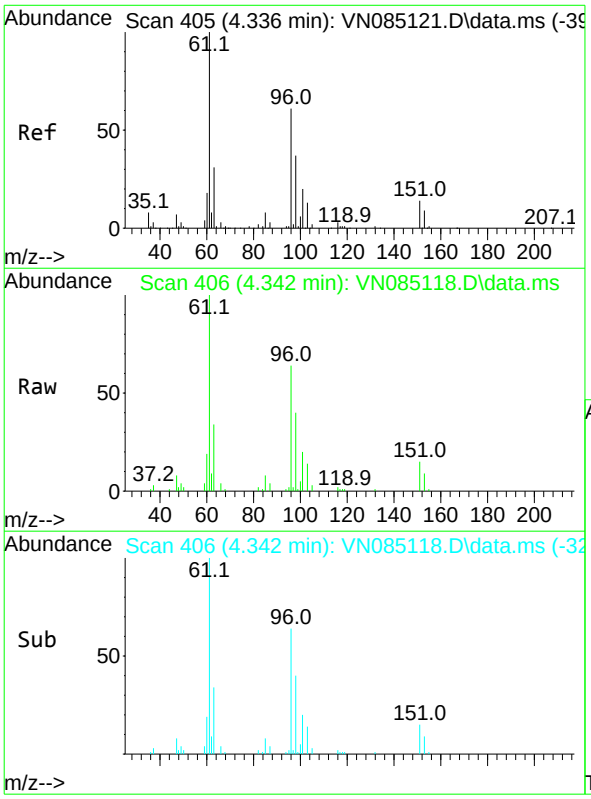
Ion	Ratio	Lower	Upper
101	100		
85	44.3	0.0	88.6
151	77.9	0.0	155.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
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Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

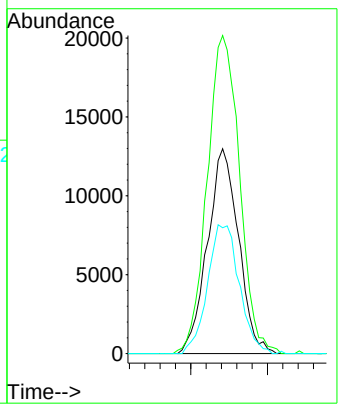


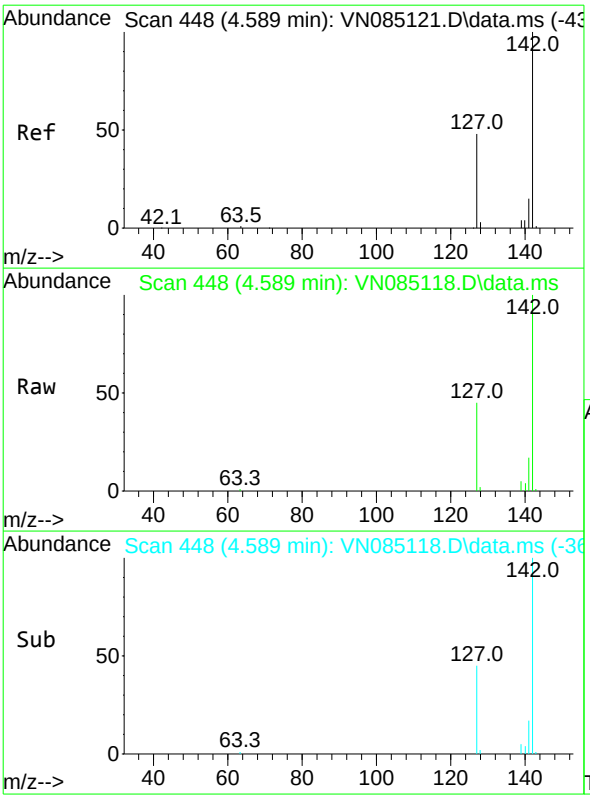


#10
1,1-Dichloroethene
Concen: 19.181 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 96 Resp: 36518

Ion	Ratio	Lower	Upper
96	100		
61	153.7	123.0	184.4
98	61.4	49.1	73.7

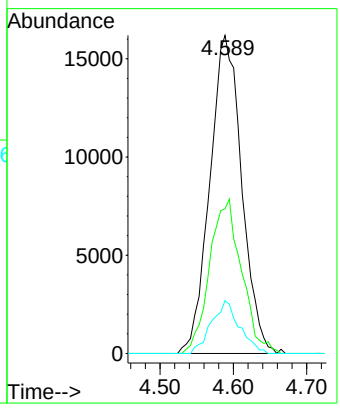




#11
Methyl Iodide
Concen: 18.514 ug/l
RT: 4.589 min Scan# 44
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:142 Resp: 48887

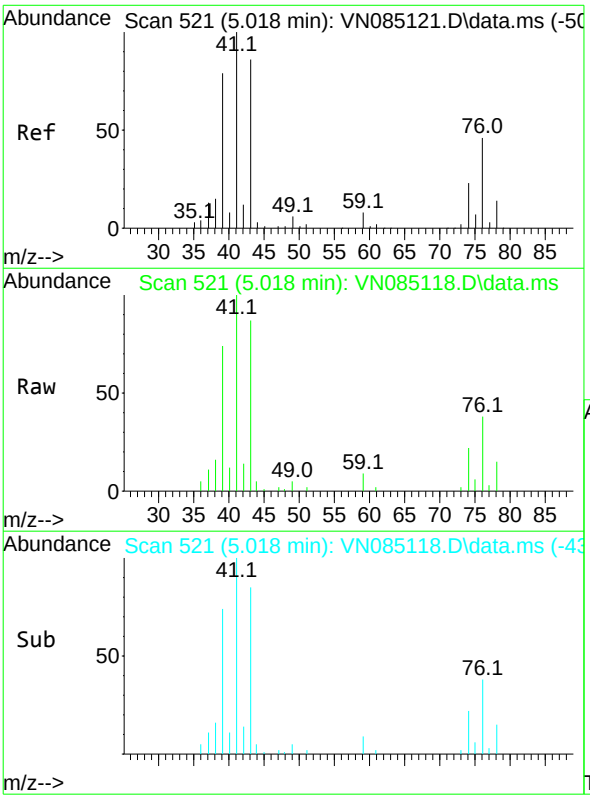
Ion	Ratio	Lower	Upper
142	100		
127	45.0	22.5	67.5
141	16.6	8.3	24.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
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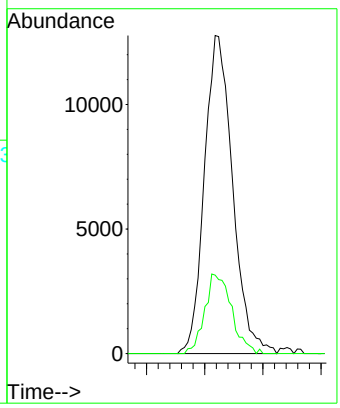
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

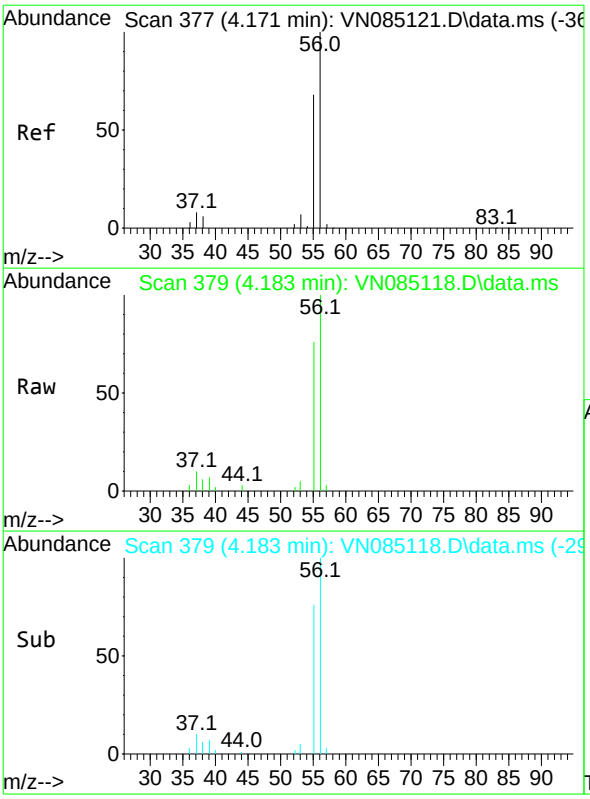


#12
Methyl Acetate
Concen: 19.131 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 43 Resp: 42971

Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.8	29.6

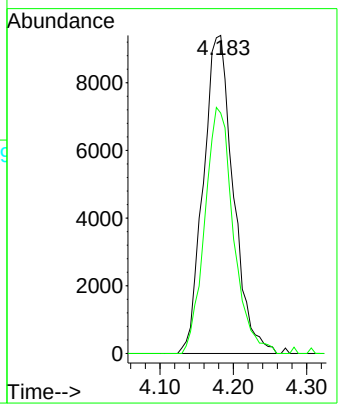




#13
Acrolein
Concen: 81.540 ug/l
RT: 4.183 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 56 Resp: 26615

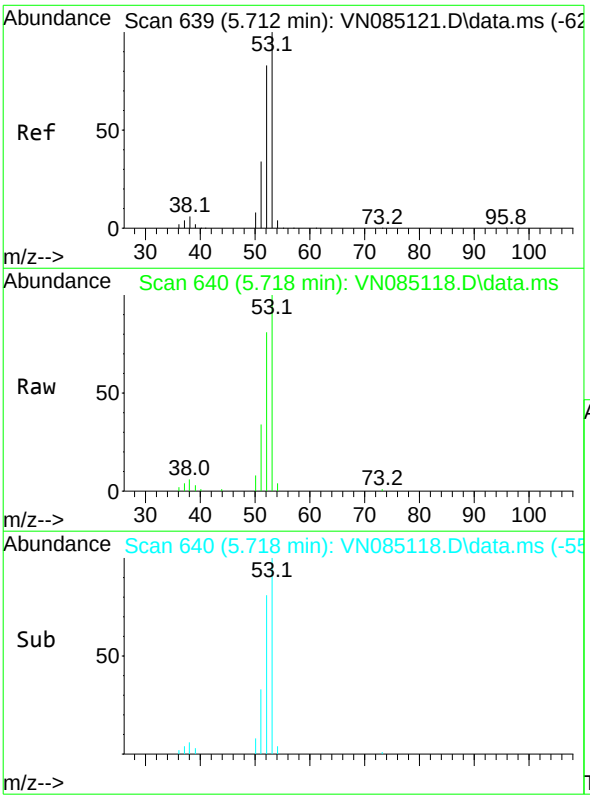
Ion	Ratio	Lower	Upper
56	100		
55	74.2	59.4	89.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

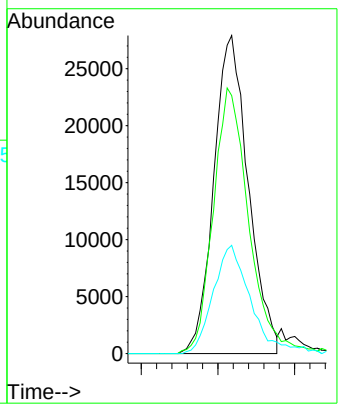
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

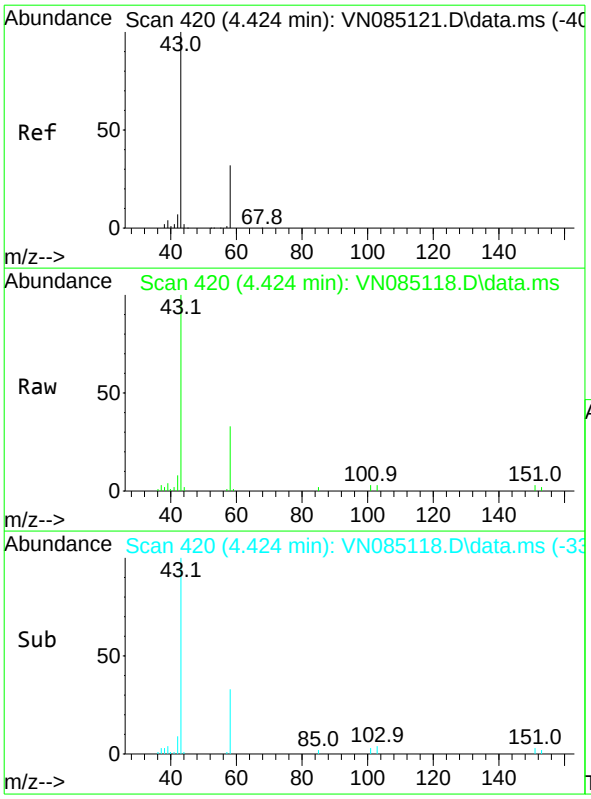


#14
Acrylonitrile
Concen: 93.488 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 53 Resp: 87191

Ion	Ratio	Lower	Upper
53	100		
52	85.7	42.9	128.5
51	34.3	17.2	51.5

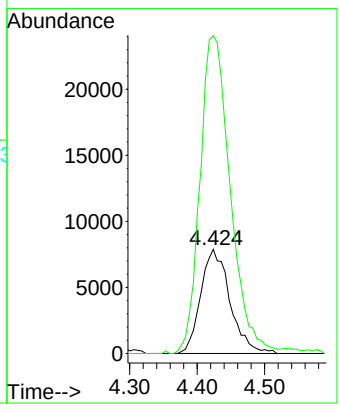




#15
Acetone
Concen: 94.168 ug/l
RT: 4.424 min Scan# 42
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 58 Resp: 23800

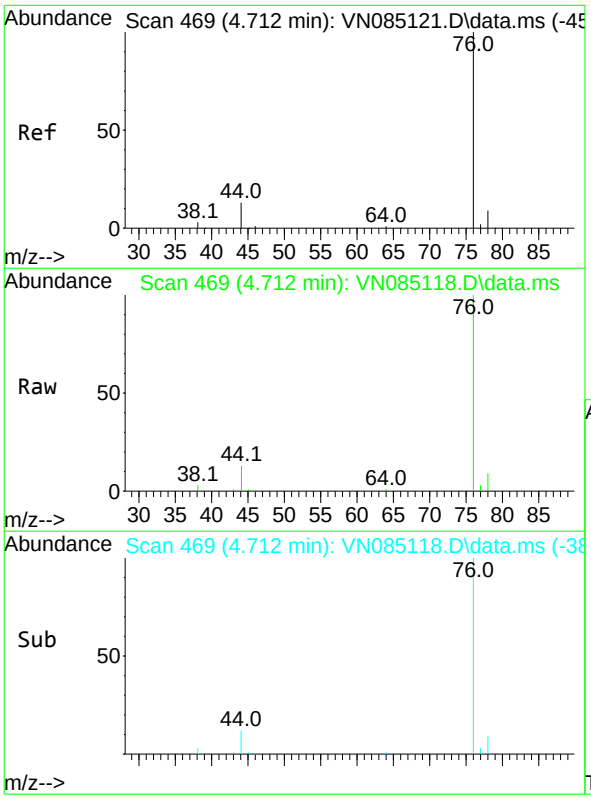
Ion	Ratio	Lower	Upper
58	100		
43	302.9	242.3	363.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
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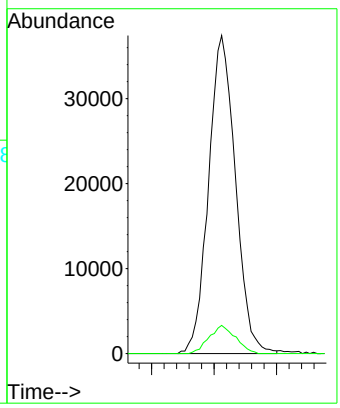
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

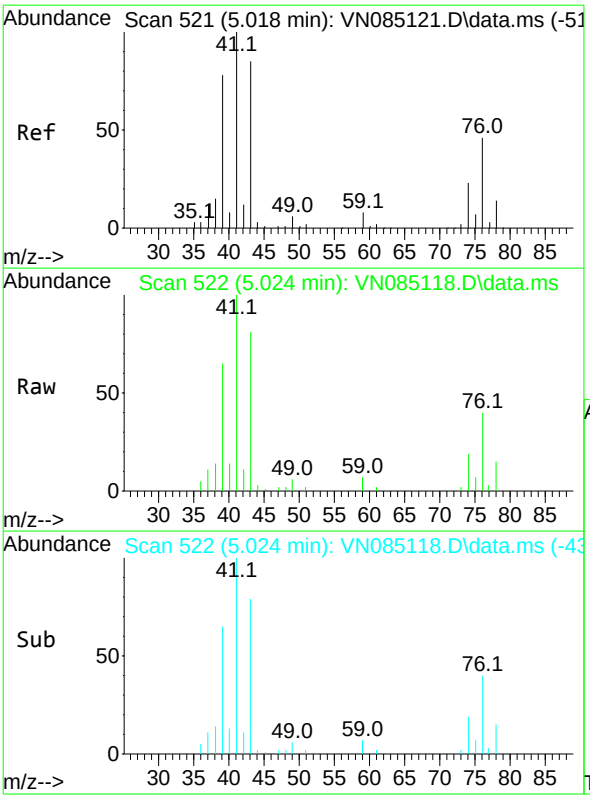


#16
Carbon Disulfide
Concen: 19.659 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 76 Resp: 111875

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

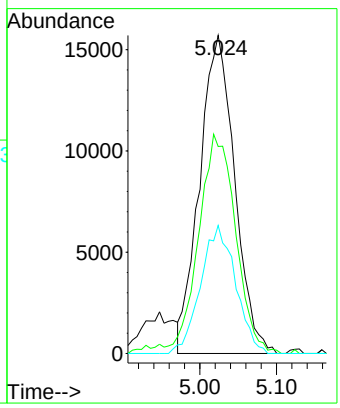




#17
Allyl chloride
Concen: 18.351 ug/l
RT: 5.024 min Scan# 52
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 41 Resp: 49995

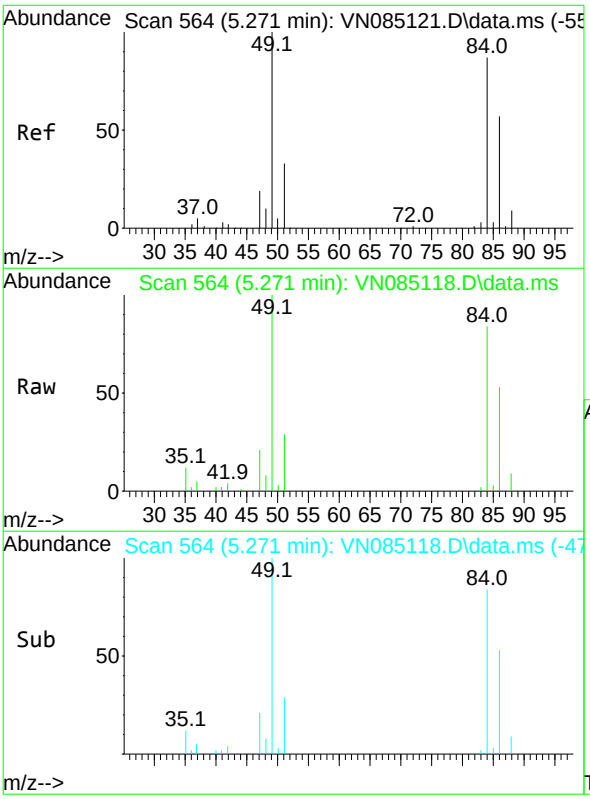
Ion	Ratio	Lower	Upper
41	100		
39	64.1	32.0	96.2
76	40.3	20.2	60.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
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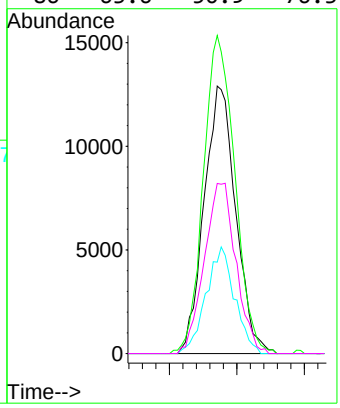
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

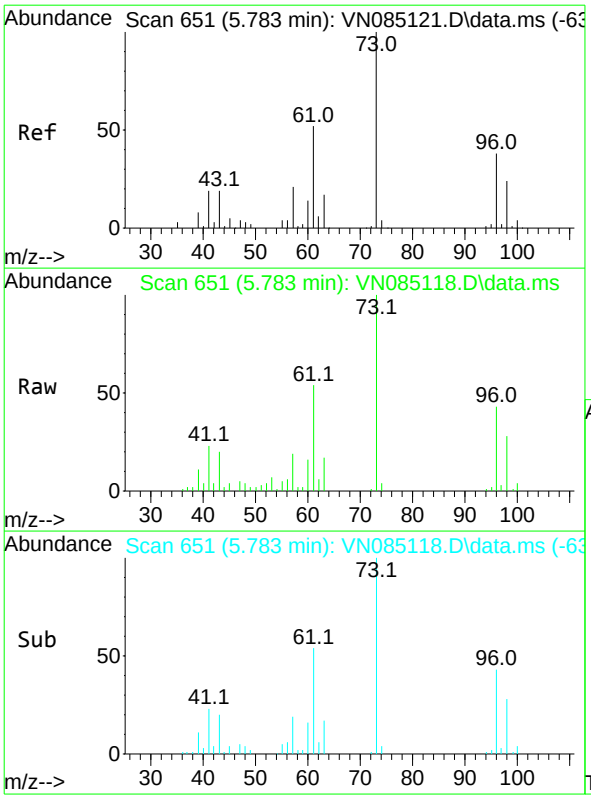


#18
Methylene Chloride
Concen: 19.412 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 84 Resp: 41937

Ion	Ratio	Lower	Upper
84	100		
49	118.9	95.1	142.7
51	34.2	27.4	41.0
86	63.6	50.9	76.3

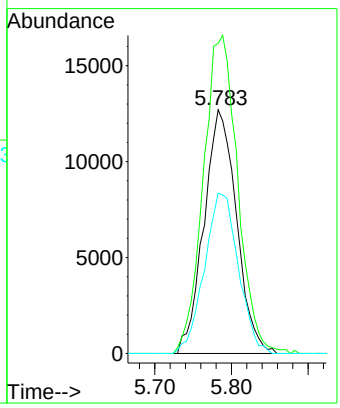




#19
trans-1,2-Dichloroethene
Concen: 18.942 ug/l
RT: 5.783 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 96 Resp: 37486

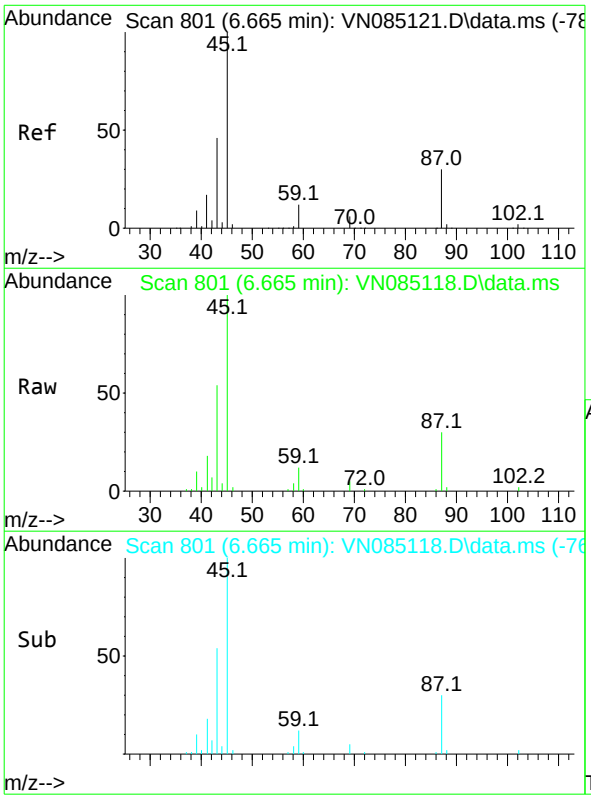
Ion	Ratio	Lower	Upper
96	100		
61	125.5	100.4	150.6
98	65.8	52.6	79.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

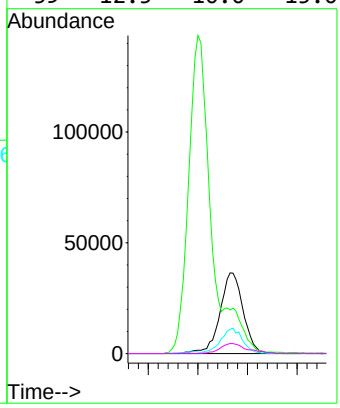
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

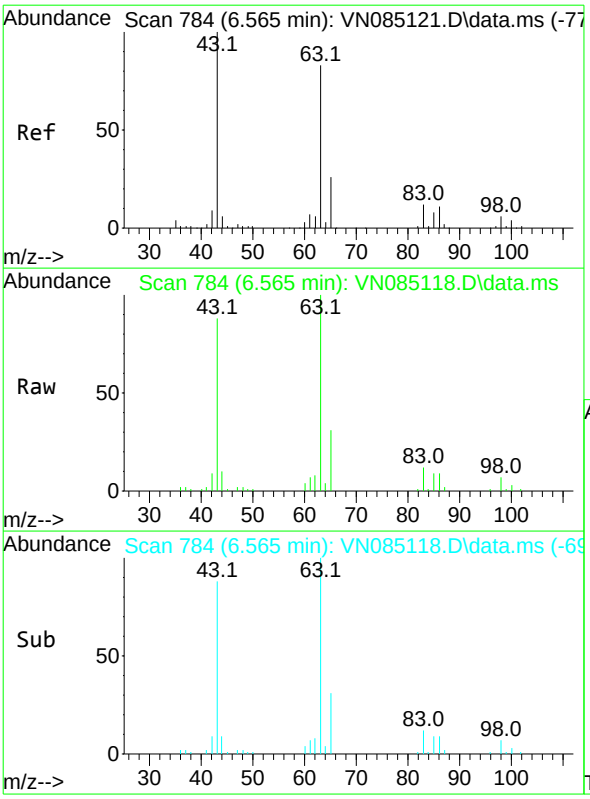


#20
Diisopropyl ether
Concen: 19.776 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 45 Resp: 118238

Ion	Ratio	Lower	Upper
45	100		
43	52.4	41.9	62.9
87	30.1	24.1	36.1
59	12.5	10.0	15.0

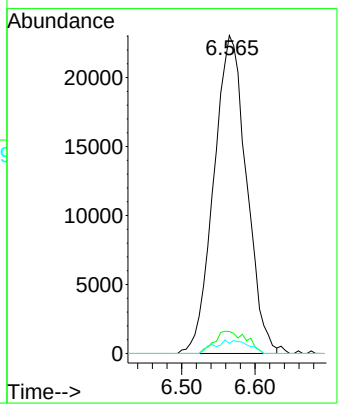




#21
1,1-Dichloroethane
Concen: 19.296 ug/l
RT: 6.565 min Scan# 78
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 63 Resp: 71204

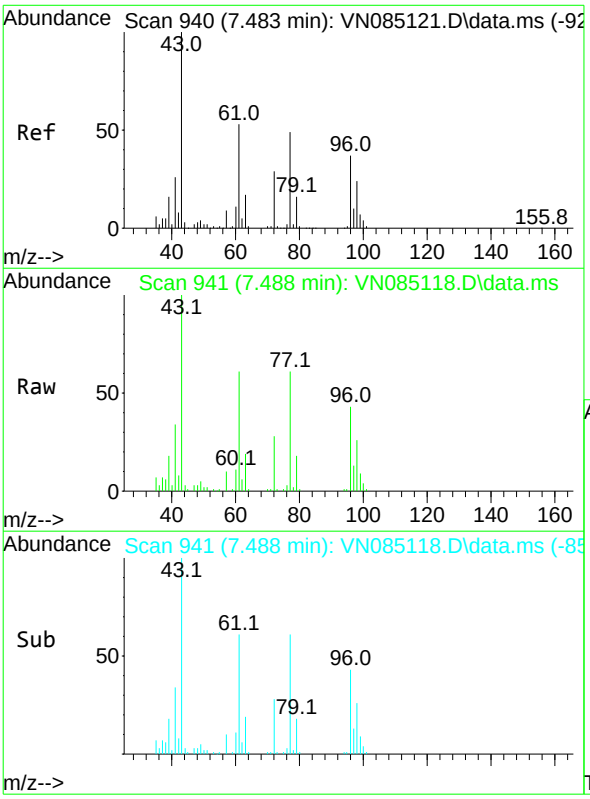
Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.4
100	3.2	1.6	4.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

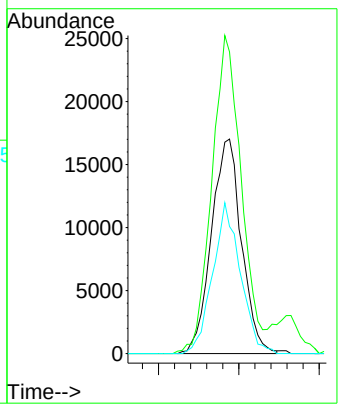
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

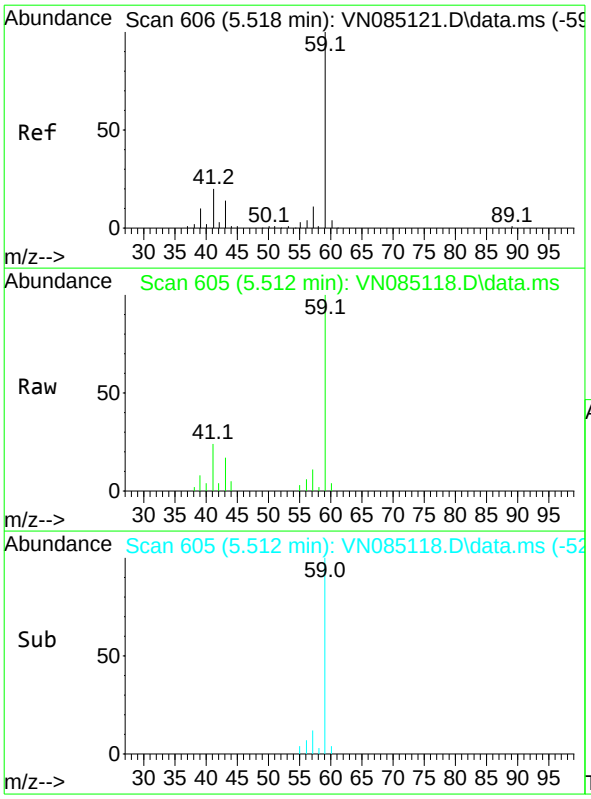


#22
cis-1,2-Dichloroethene
Concen: 19.471 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 96 Resp: 44288

Ion	Ratio	Lower	Upper
96	100		
61	144.9	115.9	173.9
98	64.8	51.8	77.8

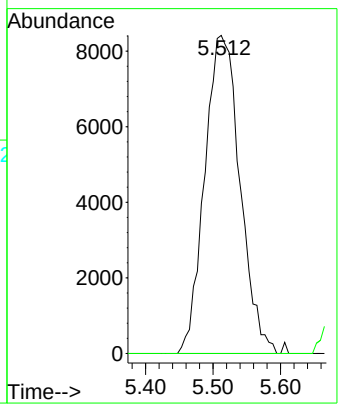




#23
tert-Butyl Alcohol
Concen: 91.438 ug/l
RT: 5.512 min Scan# 60
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 59 Resp: 30593

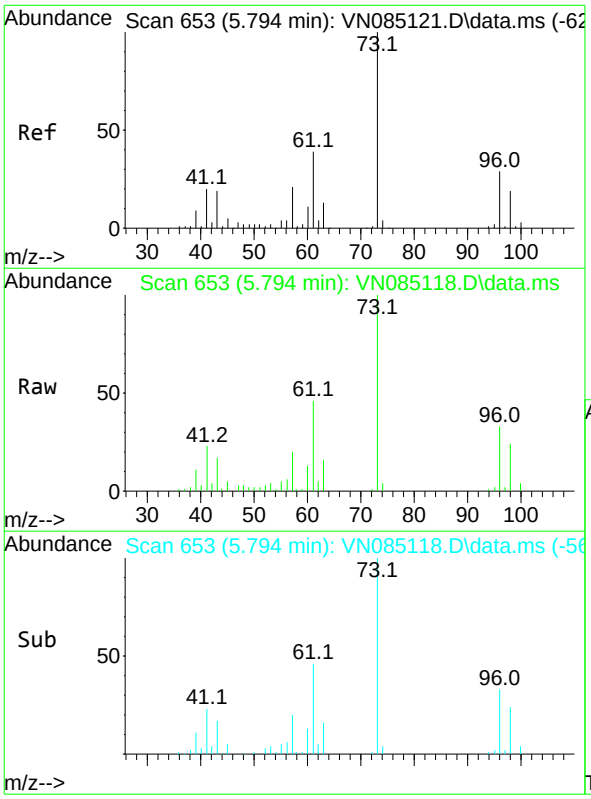
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

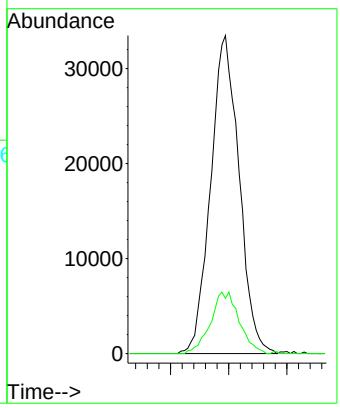
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

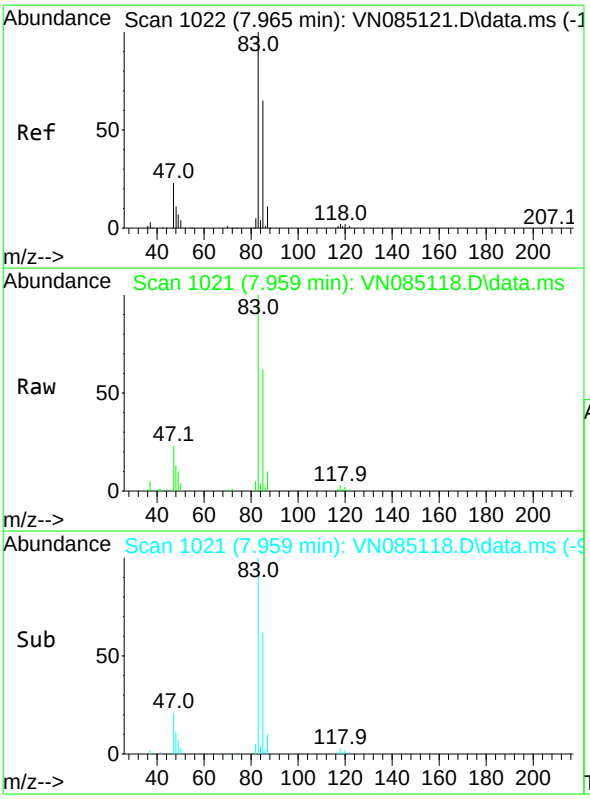


#24
Methyl tert-Butyl Ether
Concen: 19.125 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 73 Resp: 113672

Ion	Ratio	Lower	Upper
73	100		
43	10.9	8.7	13.1

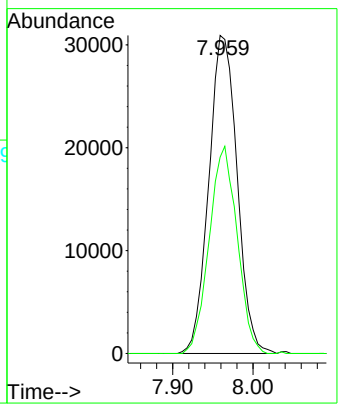




#25
Chloroform
Concen: 19.596 ug/l
RT: 7.959 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 83 Resp: 75756

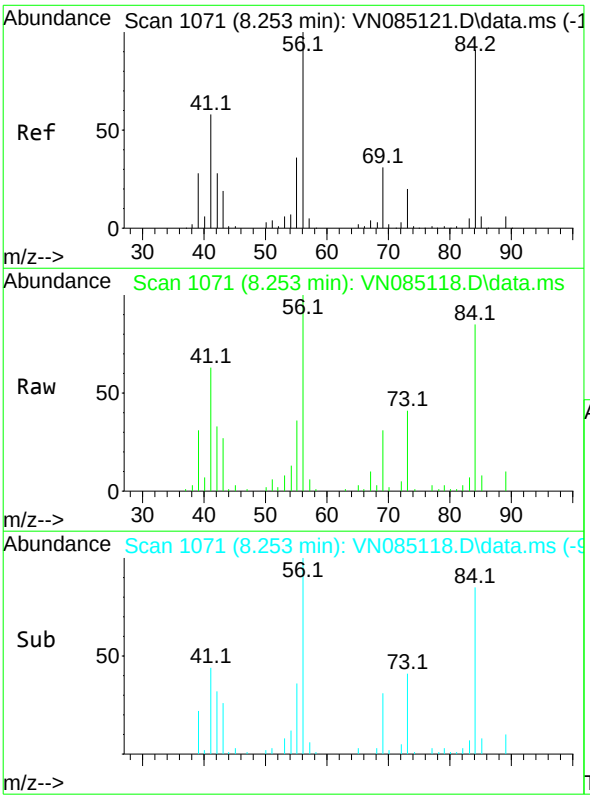
Ion	Ratio	Lower	Upper
83	100		
85	61.7	49.4	74.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

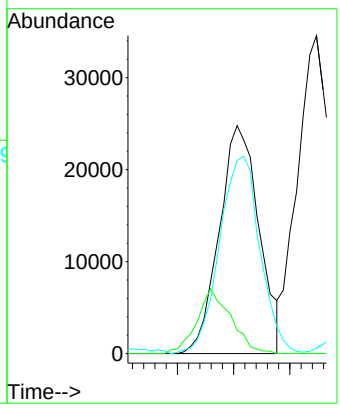
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

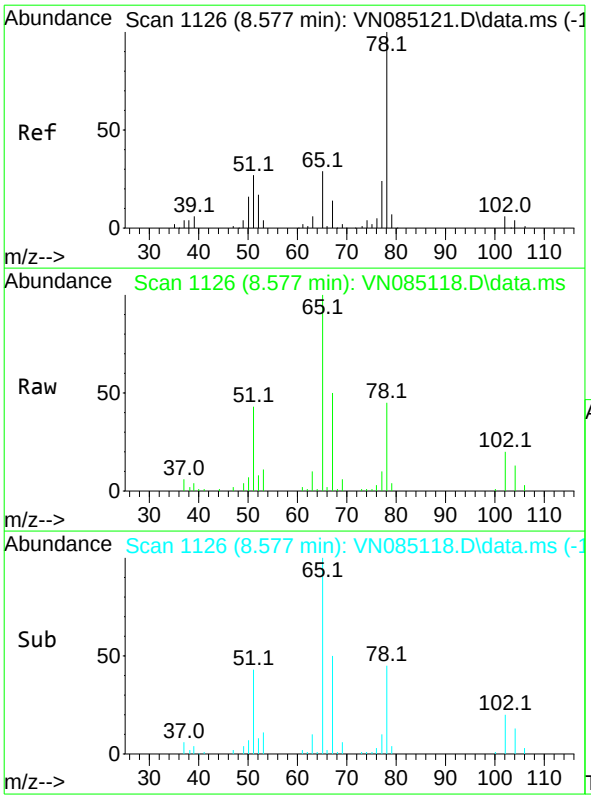


#26
Cyclohexane
Concen: 20.061 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 56 Resp: 60954

Ion	Ratio	Lower	Upper
56	100		
89	24.4	19.5	29.3
84	88.2	70.6	105.8

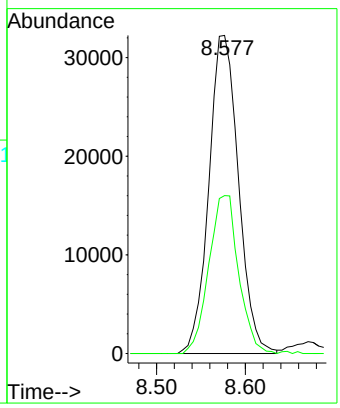




#27
1,2-Dichloroethane-d4
Concen: 30.155 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 65 Resp: 74804

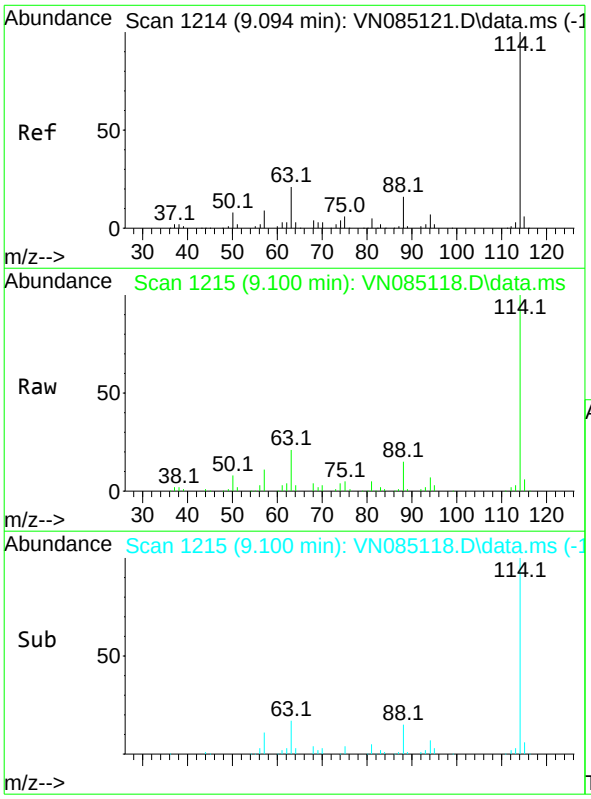
Ion	Ratio	Lower	Upper
65	100		
67	49.9	39.9	59.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

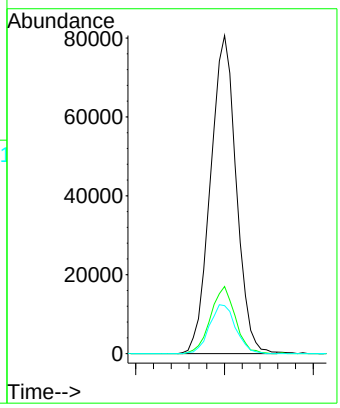
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

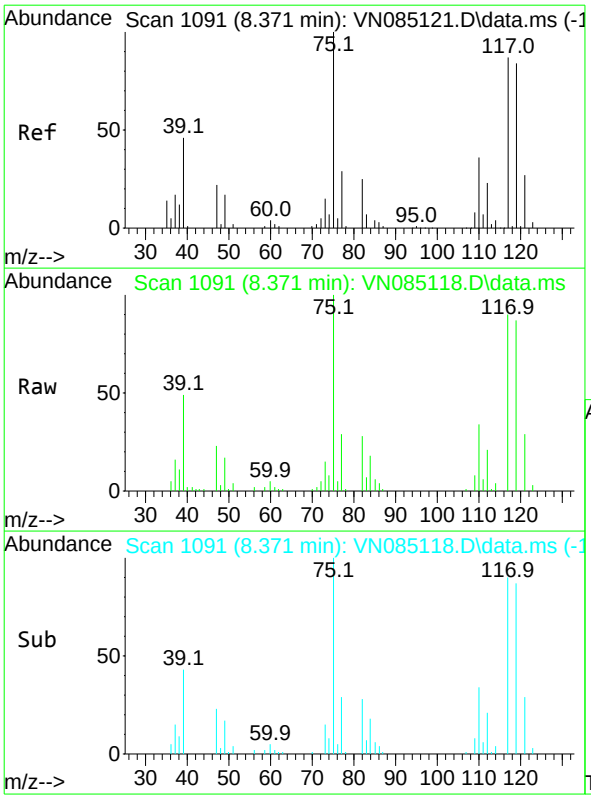


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:114 Resp: 162398

Ion	Ratio	Lower	Upper
114	100		
63	20.2	16.2	24.2
88	15.6	12.5	18.7

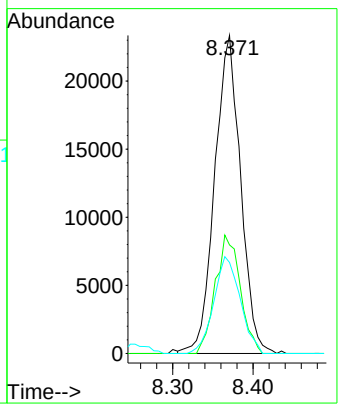




#29
1,1-Dichloropropene
Concen: 19.930 ug/l
RT: 8.371 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 75 Resp: 52226

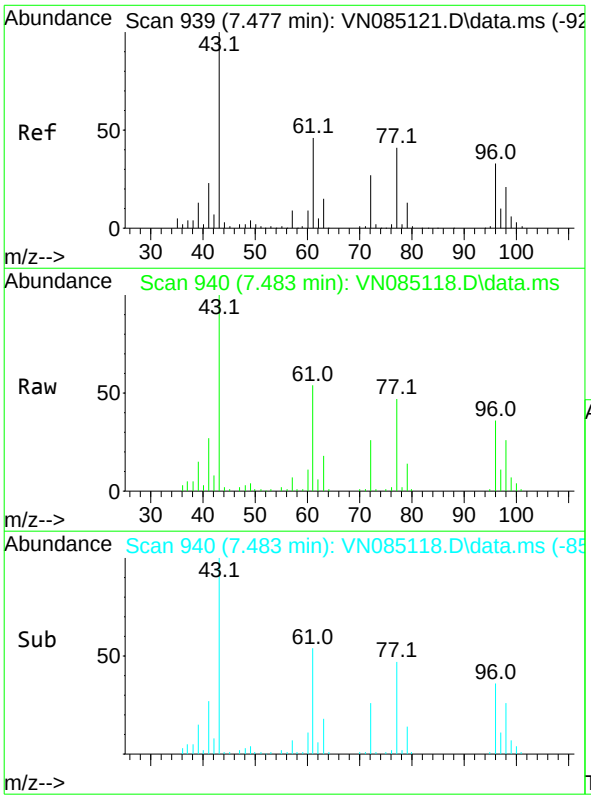
Ion	Ratio	Lower	Upper
75	100		
110	35.8	0.0	71.6
77	31.1	0.0	62.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

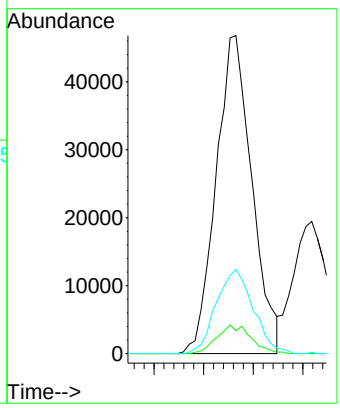
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

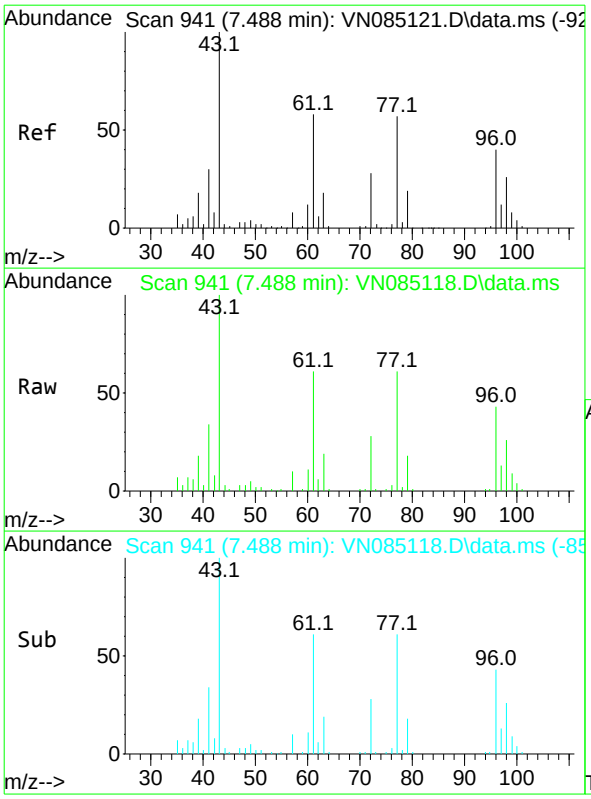


#30
2-Butanone
Concen: 97.739 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 43 Resp: 117537

Ion	Ratio	Lower	Upper
43	100		
57	8.6	6.9	10.3
72	27.3	21.8	32.8

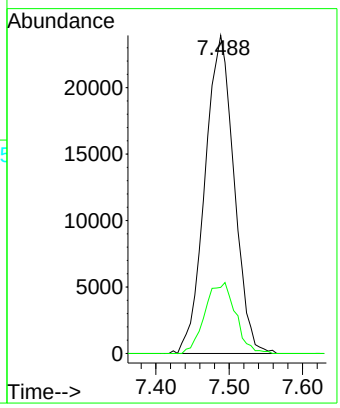




#31
2,2-Dichloropropane
Concen: 19.575 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 77 Resp: 65781

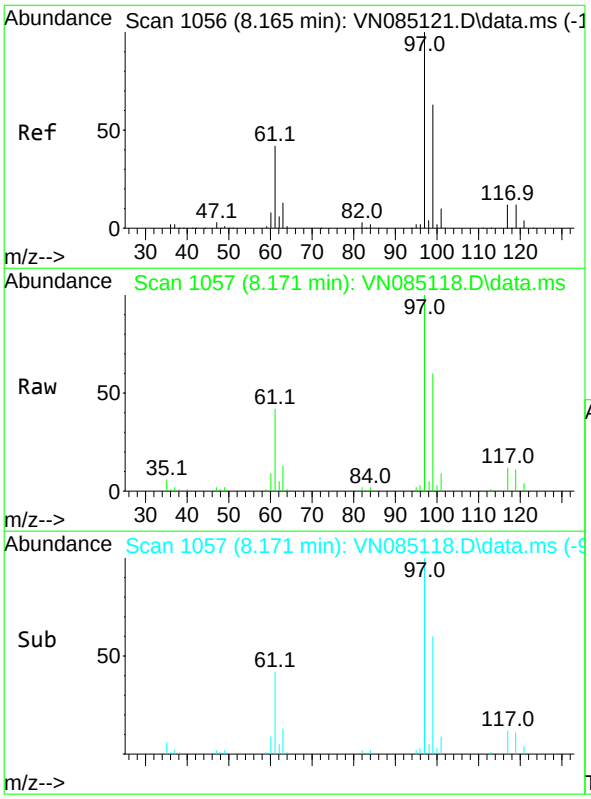
Ion	Ratio	Lower	Upper
77	100		
97	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

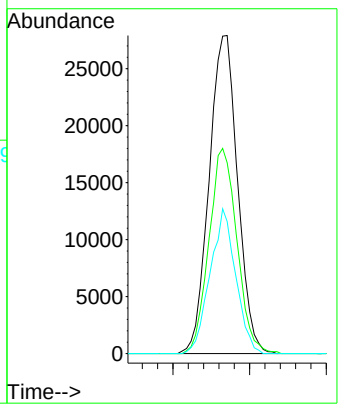
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

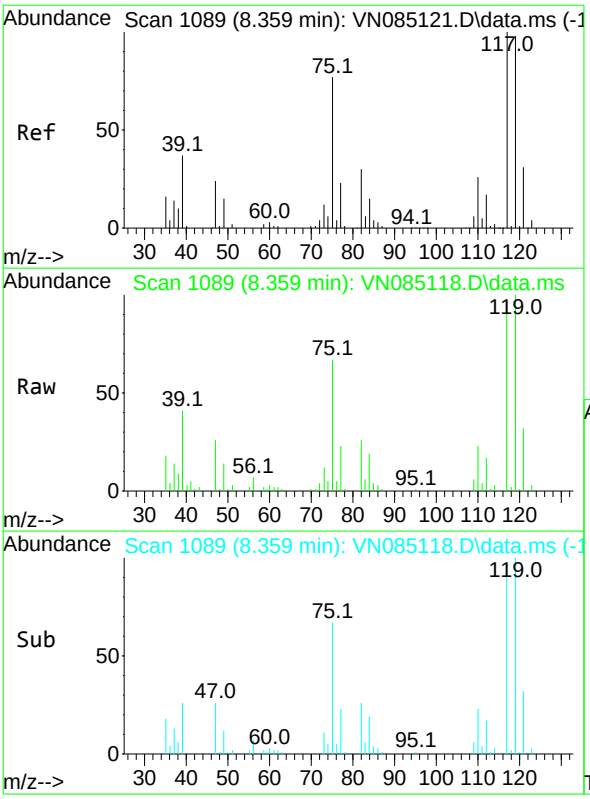


#32
1,1,1-Trichloroethane
Concen: 20.293 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 97 Resp: 71977

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.8	76.2
61	40.9	32.7	49.1

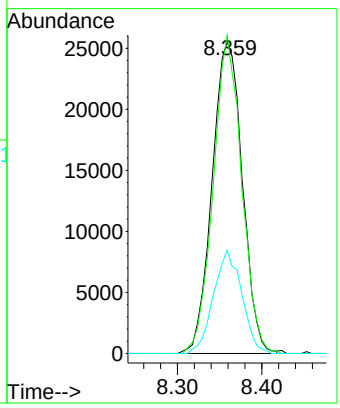




#33
Carbon Tetrachloride
Concen: 19.861 ug/l
RT: 8.359 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:117 Resp: 63567

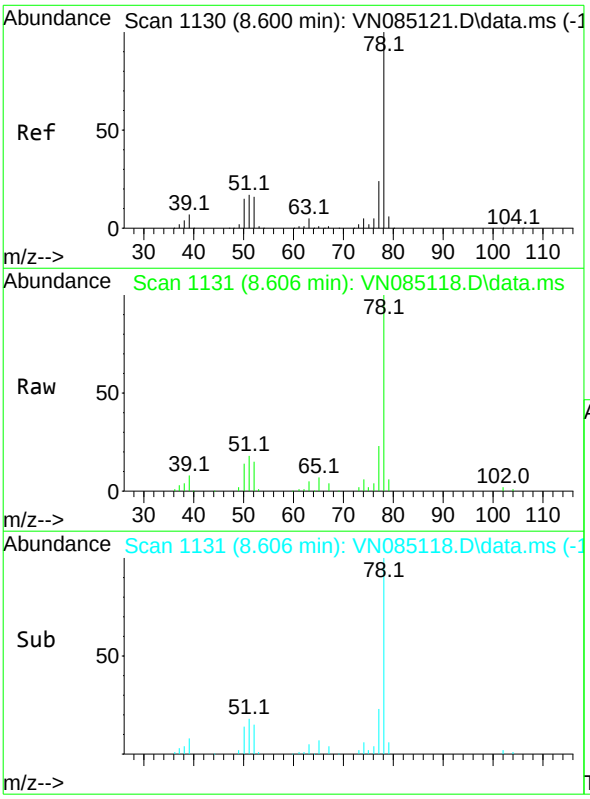
Ion	Ratio	Lower	Upper
117	100		
119	102.0	81.6	122.4
121	33.1	26.5	39.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

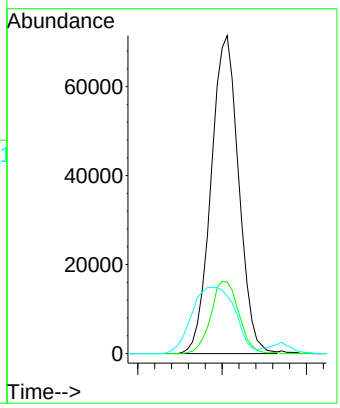
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

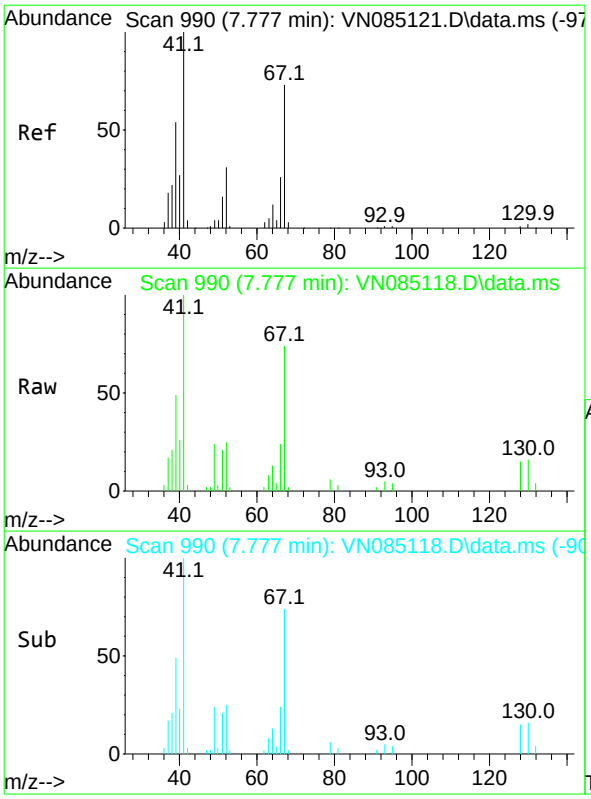


#34
Benzene
Concen: 19.740 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 78 Resp: 162502

Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.0	27.0
51	15.5	12.4	18.6

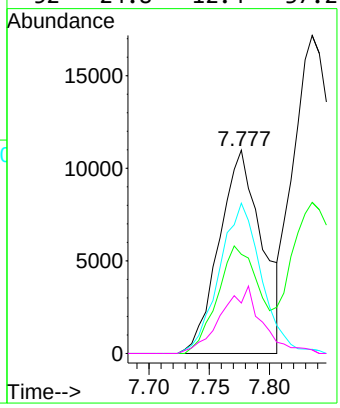




#35
Methacrylonitrile
Concen: 20.040 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 41 Resp: 27120

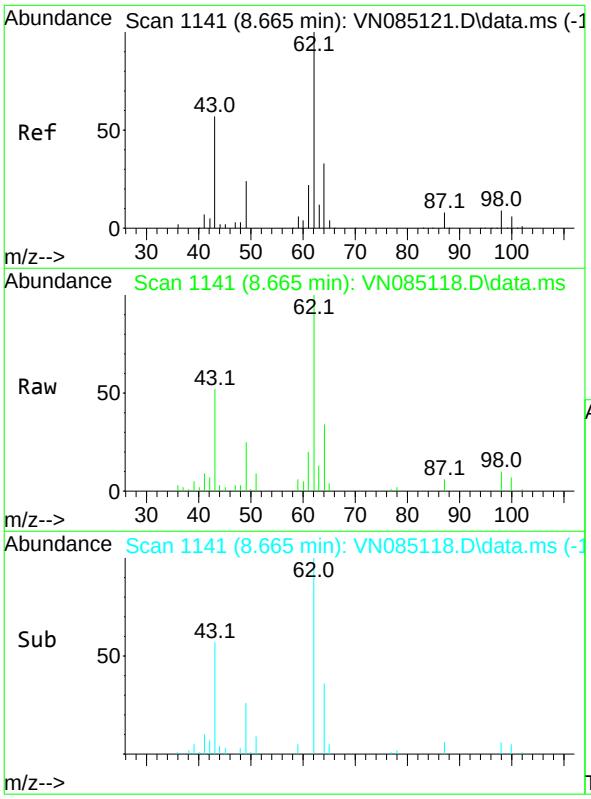
Ion	Ratio	Lower	Upper
41	100		
39	48.8	24.4	73.2
67	73.9	37.0	110.9
52	24.8	12.4	37.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

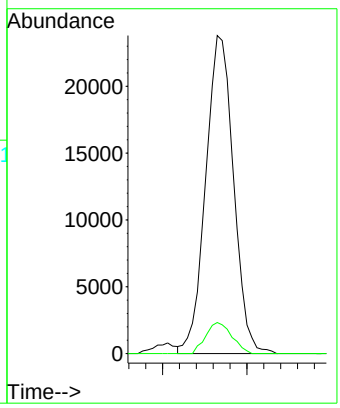
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

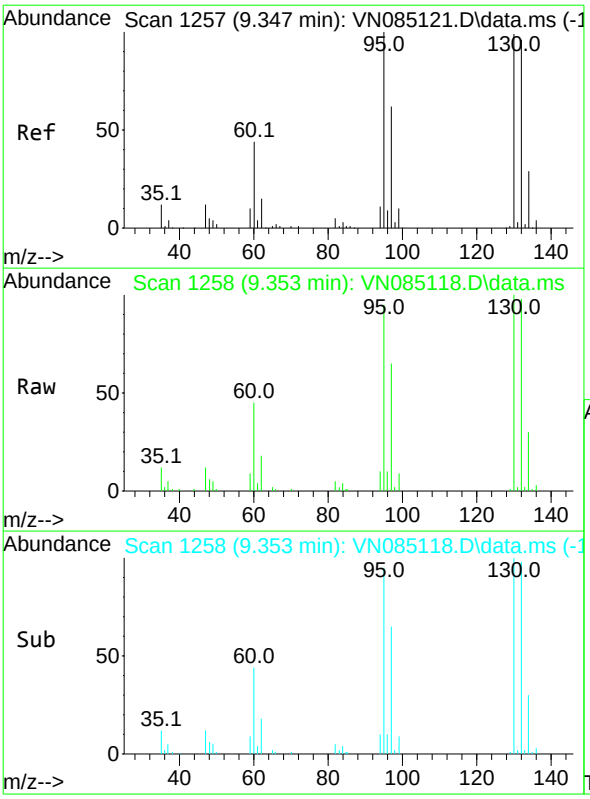


#36
1,2-Dichloroethane
Concen: 19.494 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 62 Resp: 54631

Ion	Ratio	Lower	Upper
62	100		
98	9.1	7.3	10.9

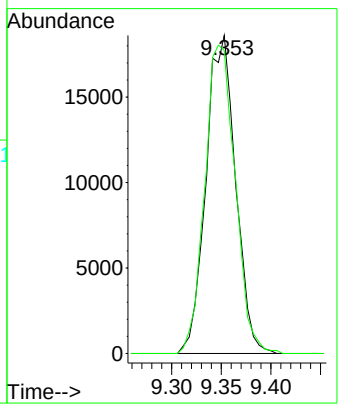




#37
Trichloroethene
Concen: 19.667 ug/l
RT: 9.353 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:130 Resp: 38555

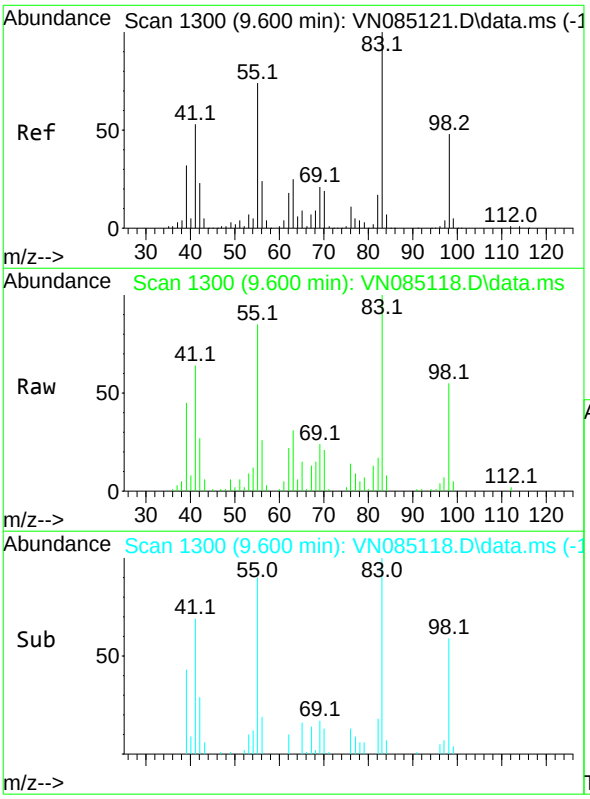
Ion	Ratio	Lower	Upper
130	100		
95	95.3	76.2	114.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

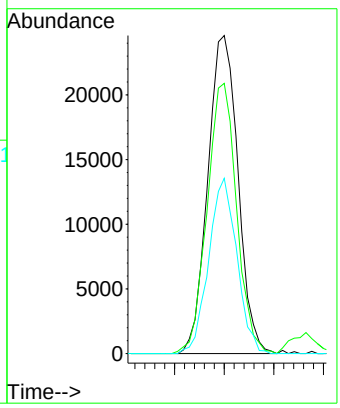
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

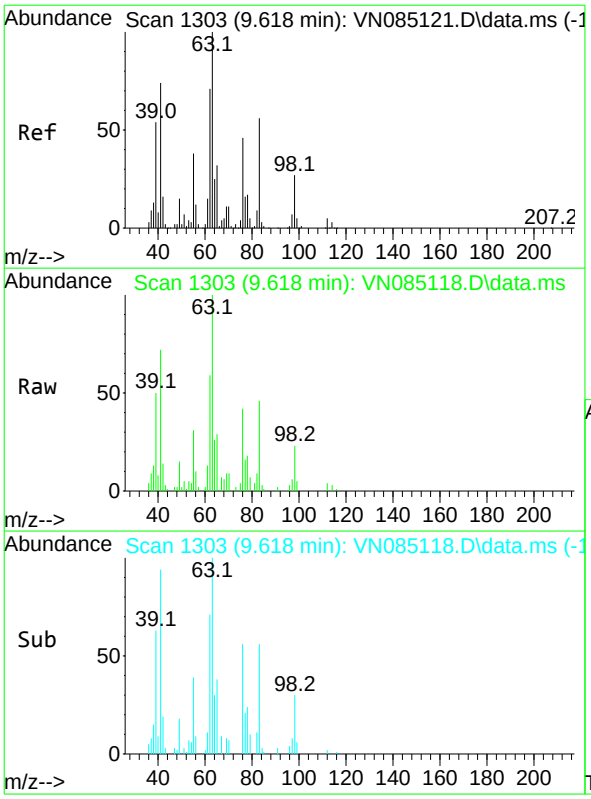


#38
Methylcyclohexane
Concen: 18.261 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 83 Resp: 52032

Ion	Ratio	Lower	Upper
83	100		
55	82.9	41.4	124.4
98	51.4	25.7	77.1

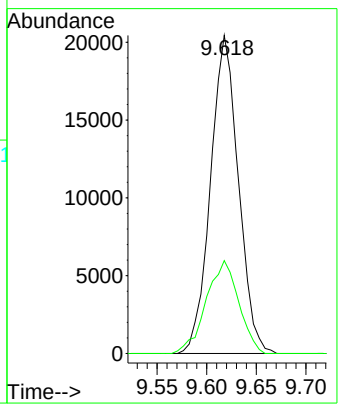




#39
1,2-Dichloropropane
Concen: 20.064 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 63 Resp: 40007

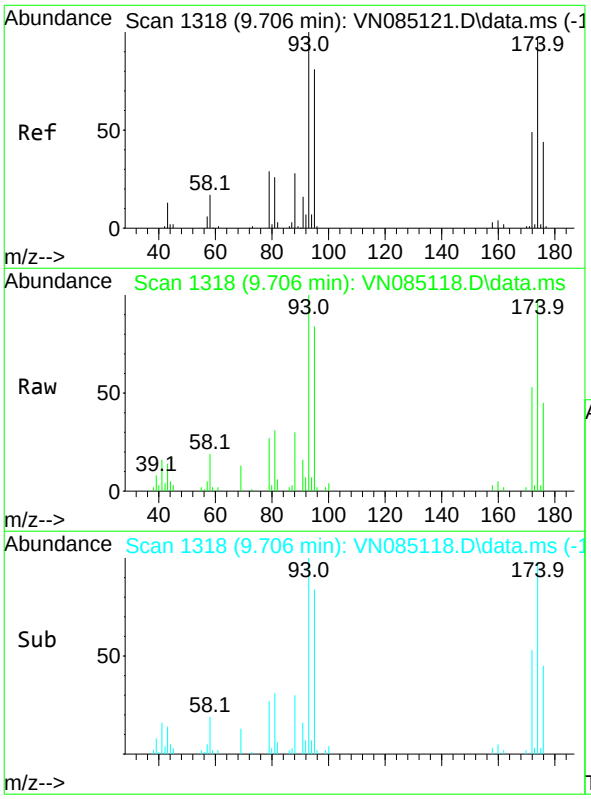
Ion	Ratio	Lower	Upper
63	100		
65	29.2	23.4	35.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

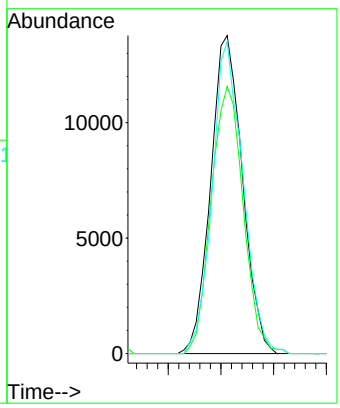
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

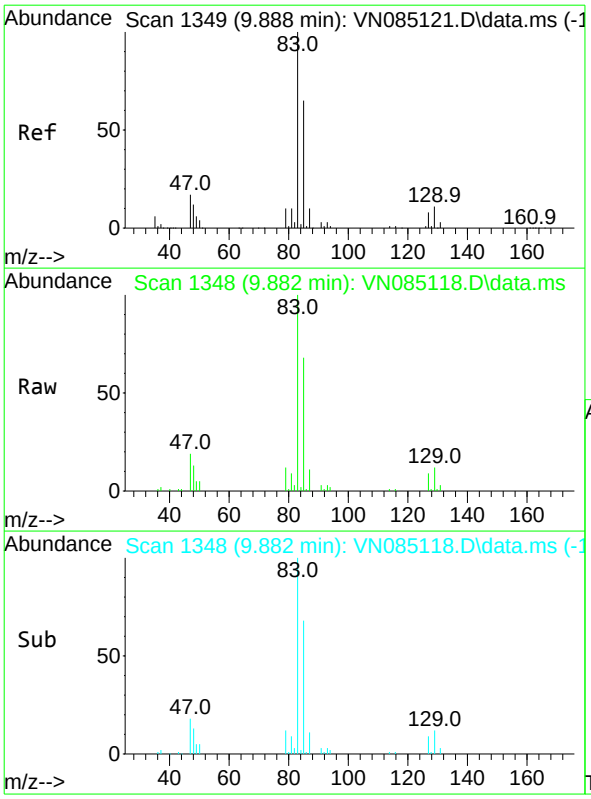


#40
Dibromomethane
Concen: 20.145 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 93 Resp: 28813

Ion	Ratio	Lower	Upper
93	100		
95	84.7	0.0	169.4
174	94.9	0.0	189.8

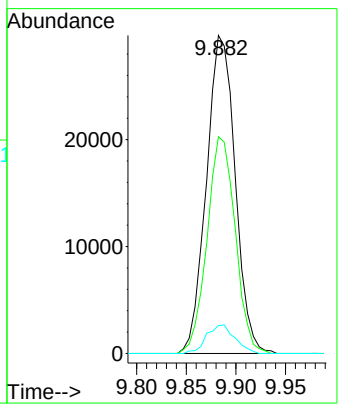




#41
Bromodichloromethane
Concen: 19.628 ug/l
RT: 9.882 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 83 Resp: 60013

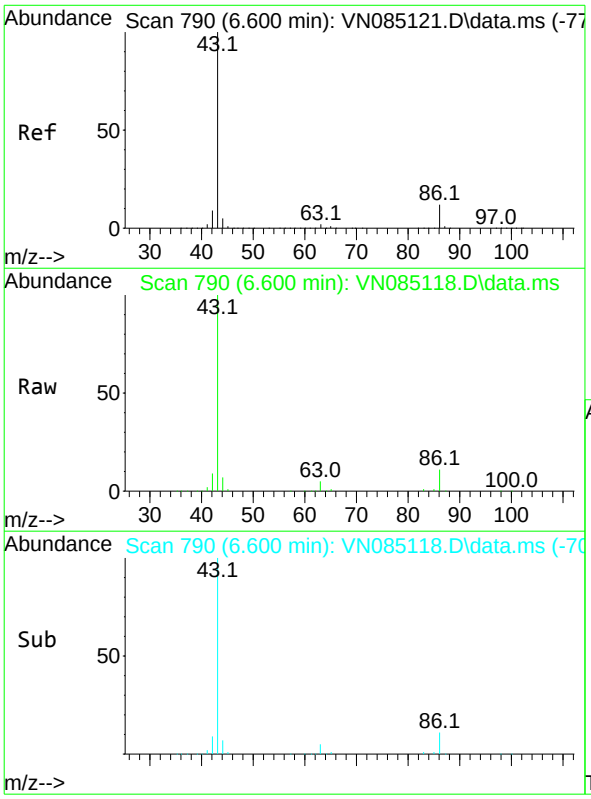
Ion	Ratio	Lower	Upper
83	100		
85	68.2	54.6	81.8
127	8.8	7.0	10.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

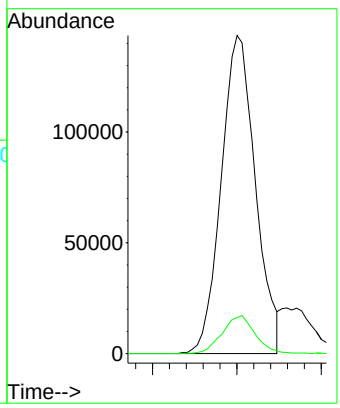
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

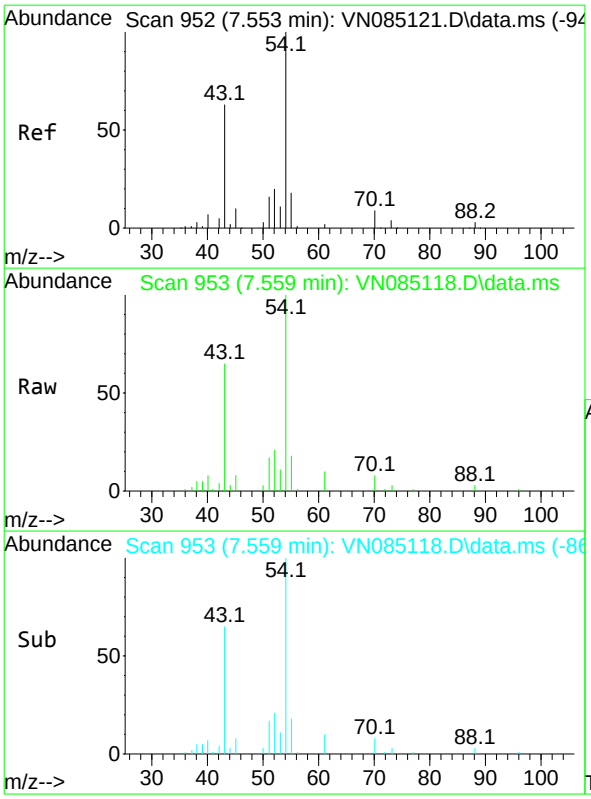


#42
Vinyl Acetate
Concen: 96.136 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 43 Resp: 404546

Ion	Ratio	Lower	Upper
43	100		
86	11.5	9.2	13.8

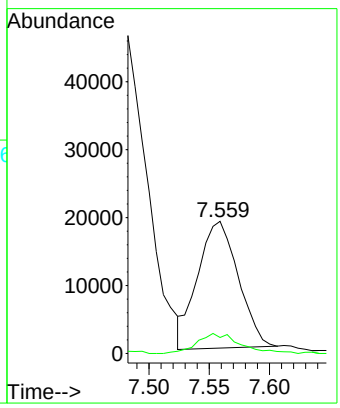




#43
Ethyl Acetate
Concen: 18.276 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 43 Resp: 43730

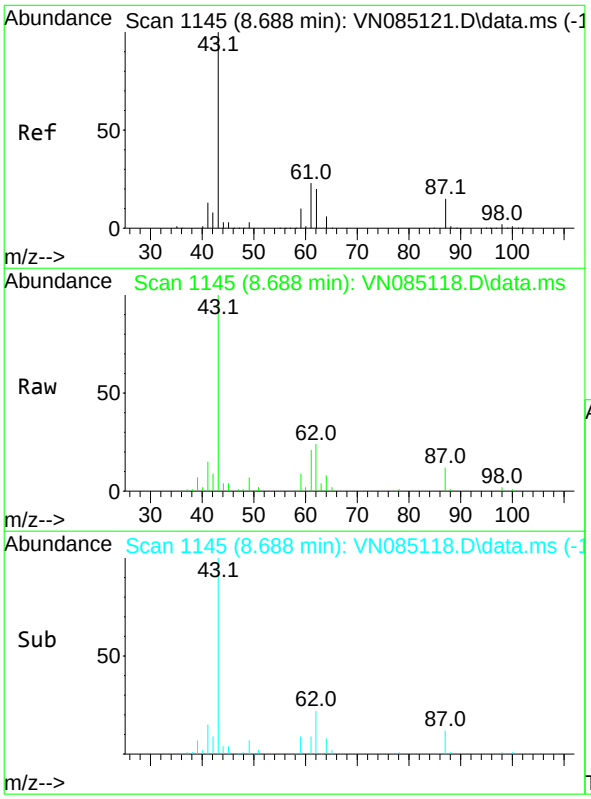
Ion	Ratio	Lower	Upper
43	100		
45	16.6	13.3	19.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

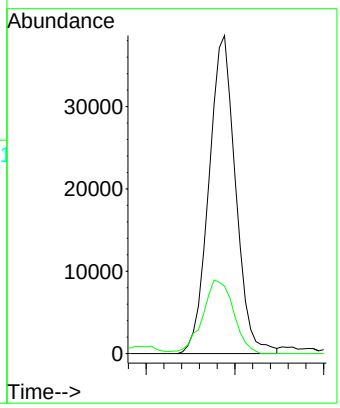
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

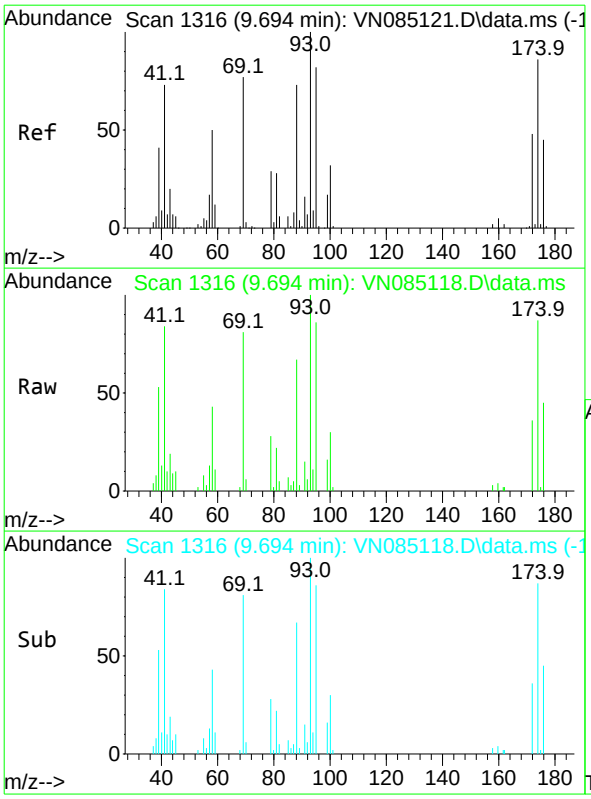


#44
Isopropyl Acetate
Concen: 19.412 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 43 Resp: 80717

Ion	Ratio	Lower	Upper
43	100		
61	26.9	21.5	32.3

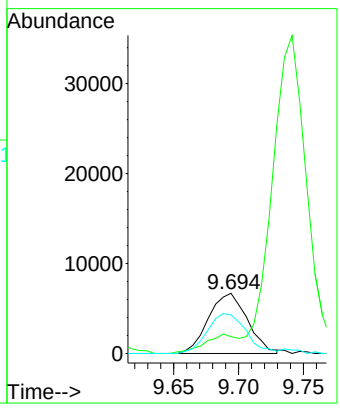




#45
1,4-Dioxane
Concen: 403.408 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 88 Resp: 13988

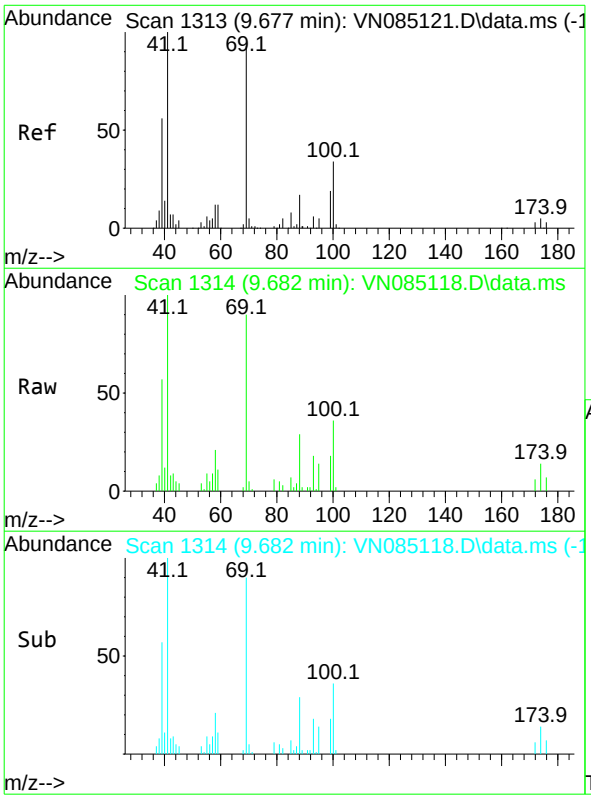
Ion	Ratio	Lower	Upper
88	100		
43	27.1	21.7	32.5
58	65.8	52.6	79.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

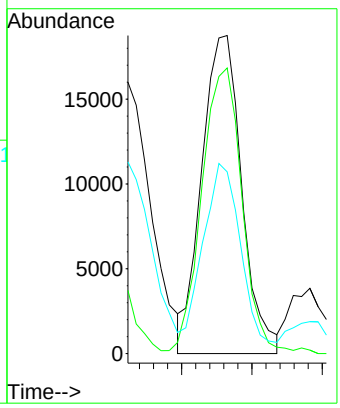
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

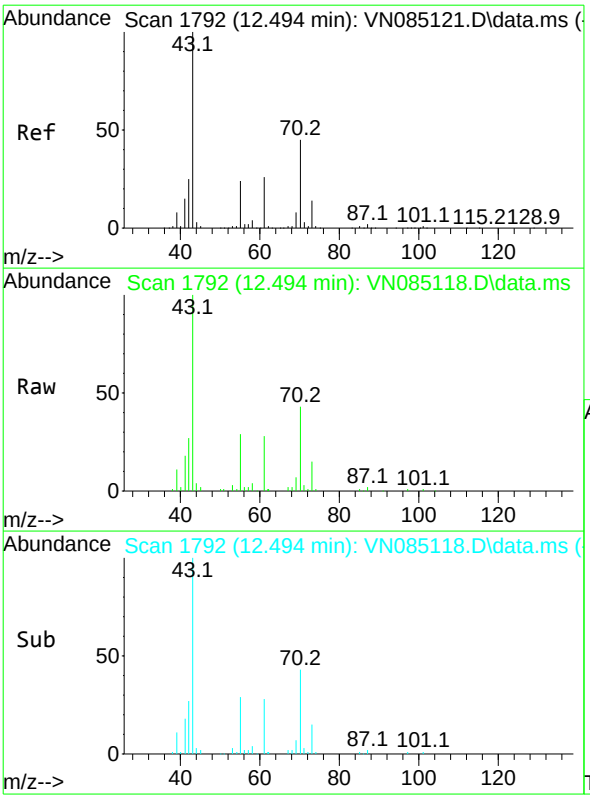


#46
Methyl methacrylate
Concen: 19.535 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 41 Resp: 37174

Ion	Ratio	Lower	Upper
41	100		
69	93.3	46.7	140.0
39	57.0	28.5	85.5

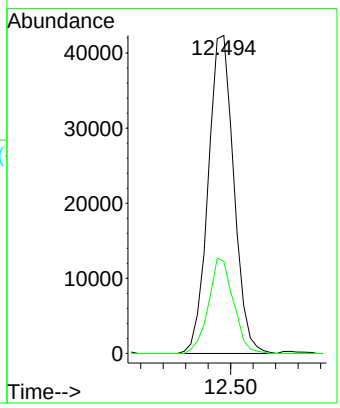




#47
n-amyl Acetate
Concen: 19.154 ug/l
RT: 12.494 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 43 Resp: 67009

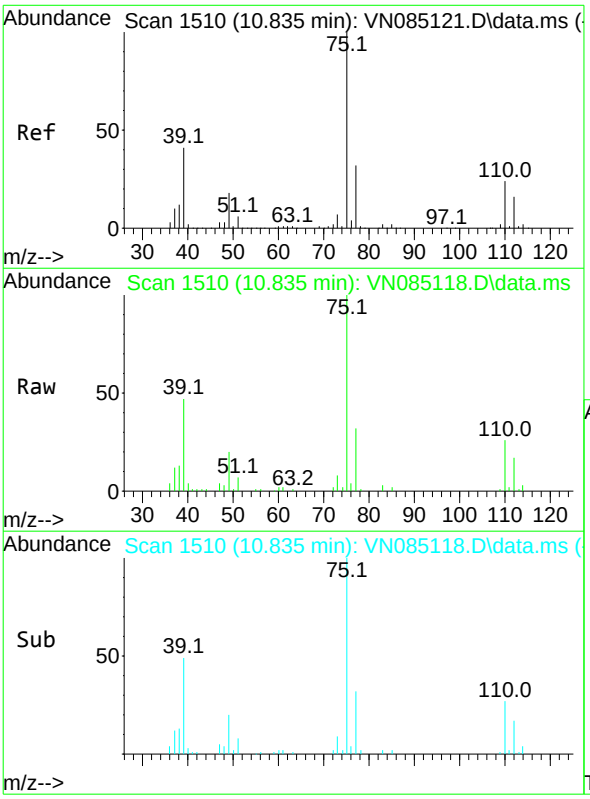
Ion	Ratio	Lower	Upper
43	100		
55	29.1	23.3	34.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

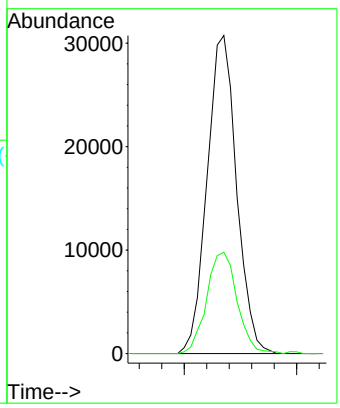
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

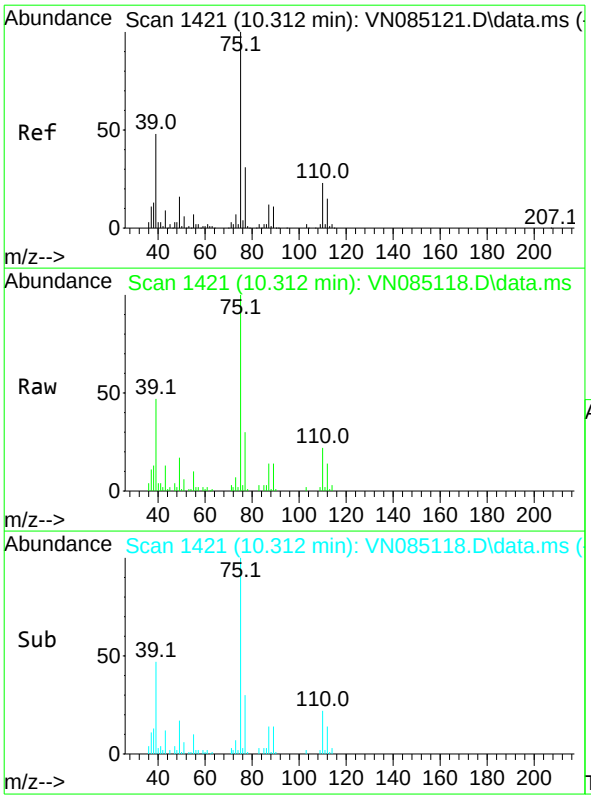


#48
t-1,3-Dichloropropene
Concen: 18.657 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 75 Resp: 55998

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3

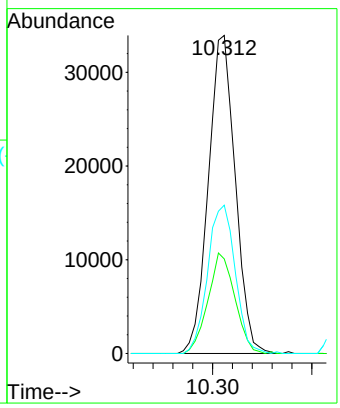




#49
cis-1,3-Dichloropropene
Concen: 19.540 ug/l
RT: 10.312 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 75 Resp: 63845

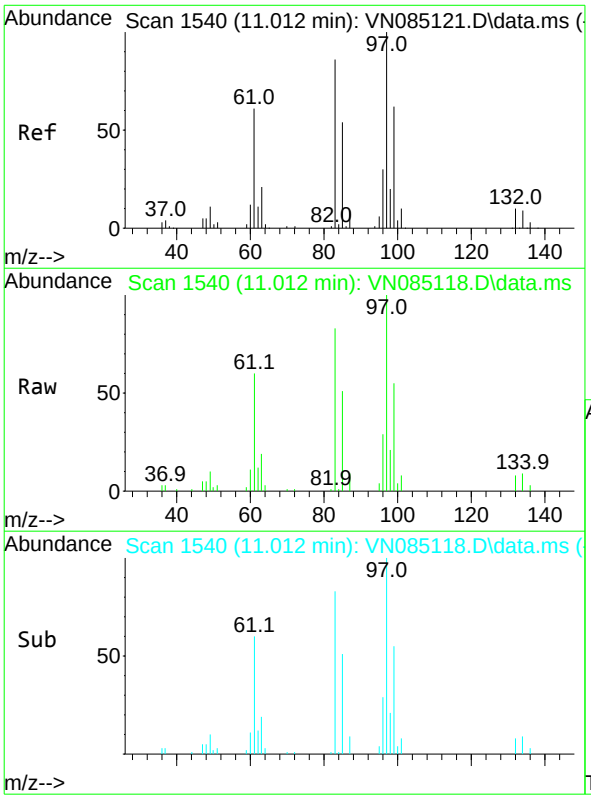
Ion	Ratio	Lower	Upper
75	100		
77	29.7	23.8	35.6
39	46.6	37.3	55.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

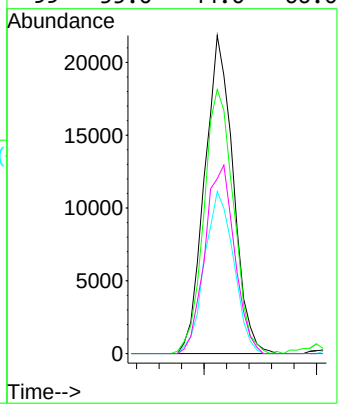
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

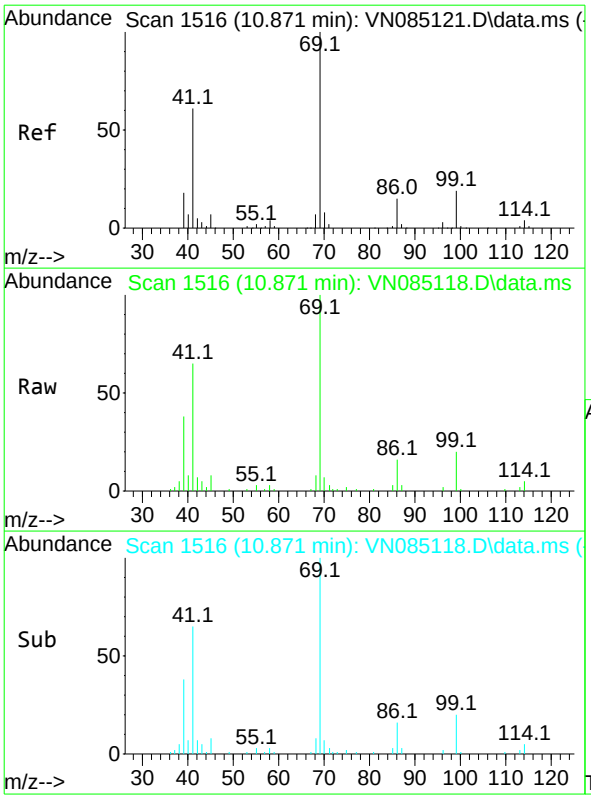


#50
1,1,2-Trichloroethane
Concen: 19.958 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 97 Resp: 38466

Ion	Ratio	Lower	Upper
97	100		
83	82.3	65.8	98.8
85	51.0	40.8	61.2
99	55.0	44.0	66.0

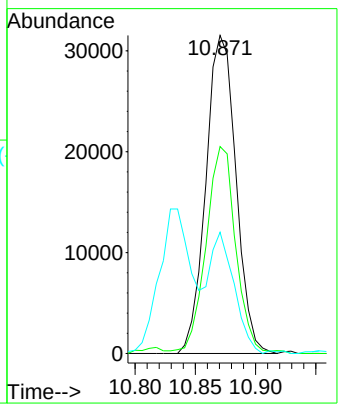




#51
Ethyl methacrylate
Concen: 18.696 ug/l
RT: 10.871 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 69 Resp: 54805

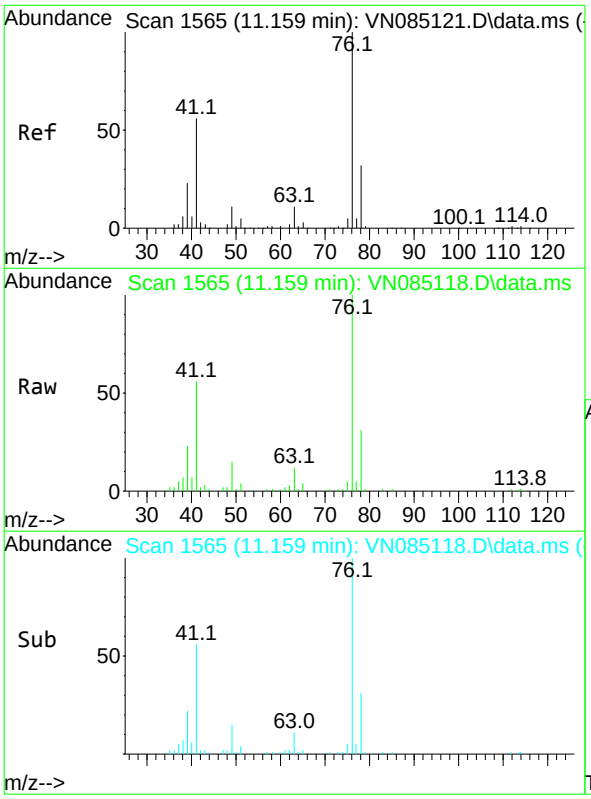
Ion	Ratio	Lower	Upper
69	100		
41	64.2	32.1	96.3
39	37.6	18.8	56.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

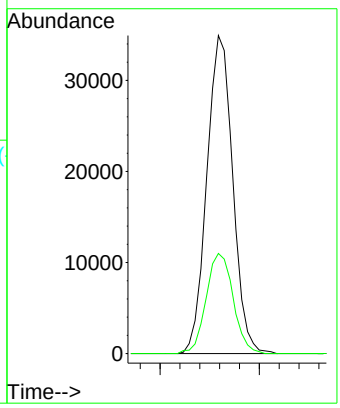
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

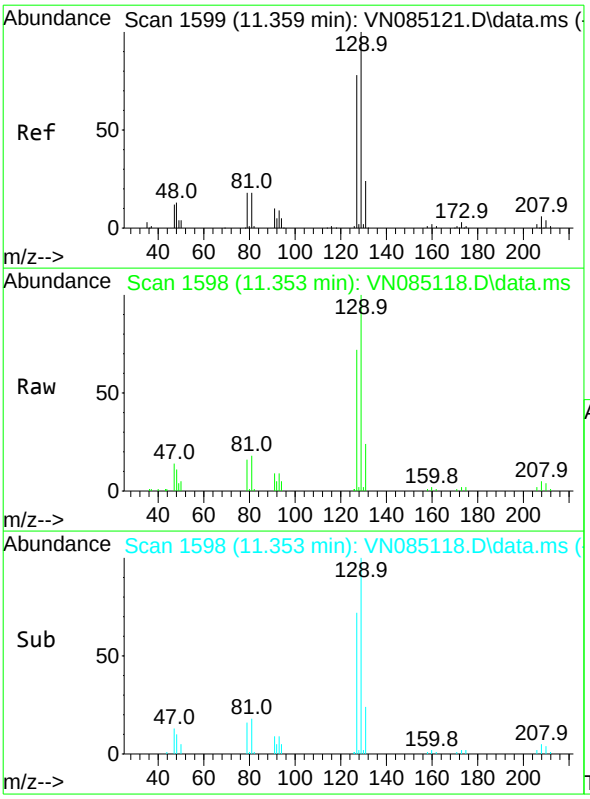


#52
1,3-Dichloropropane
Concen: 19.634 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 76 Resp: 63330

Ion	Ratio	Lower	Upper
76	100		
78	32.8	0.0	65.6

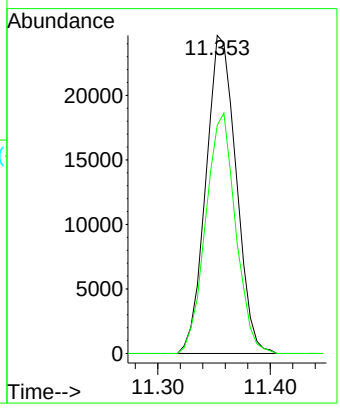




#53
Dibromochloromethane
Concen: 19.614 ug/l
RT: 11.353 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:129 Resp: 46068

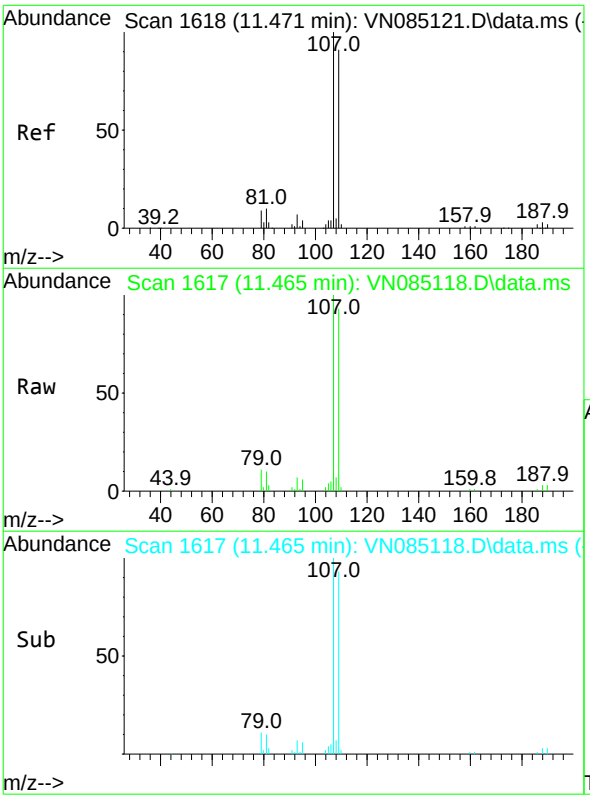
Ion	Ratio	Lower	Upper
129	100		
127	74.6	37.3	111.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

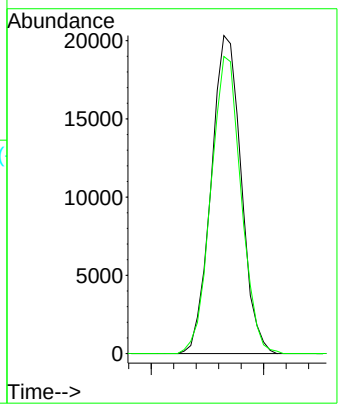
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

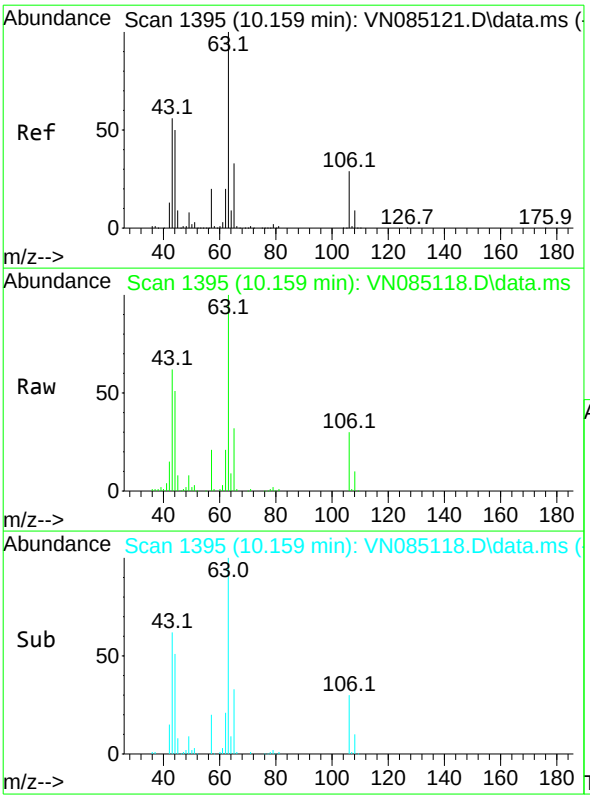


#54
1,2-Dibromoethane
Concen: 19.376 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:107 Resp: 37625

Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.2	112.8

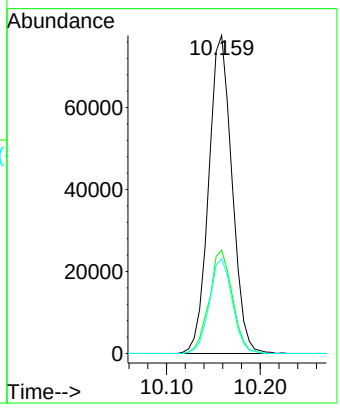




#55
2-Chloroethyl vinyl ether
Concen: 98.387 ug/l
RT: 10.159 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 63 Resp: 133977

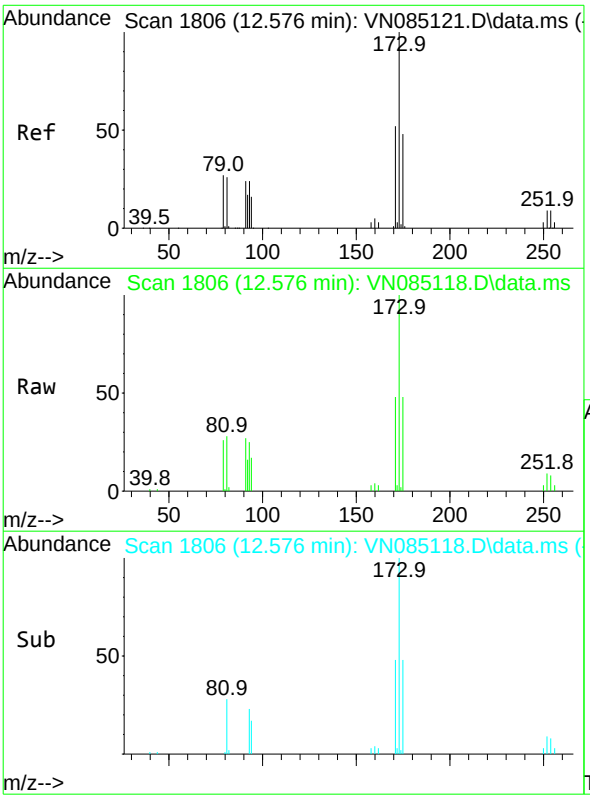
Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.9	38.9
106	29.4	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

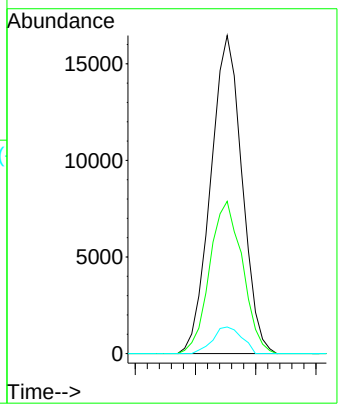
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

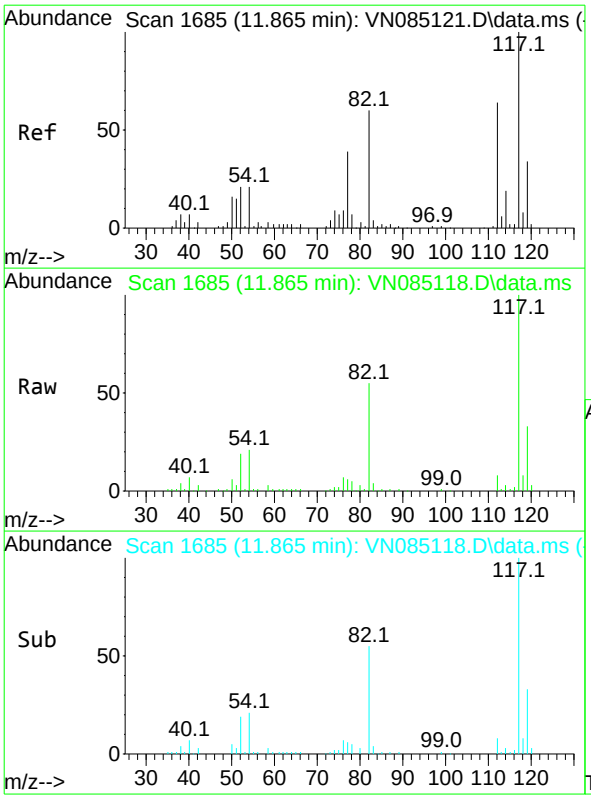


#56
Bromoform
Concen: 18.911 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:173 Resp: 29780

Ion	Ratio	Lower	Upper
173	100		
175	50.2	40.2	60.2
254	7.8	6.2	9.4

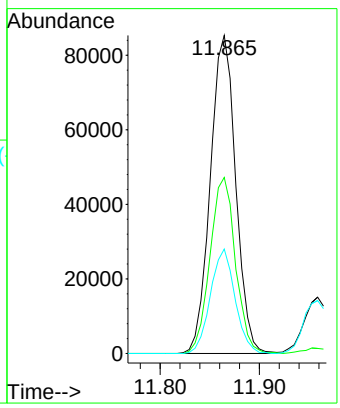




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:117 Resp: 151793

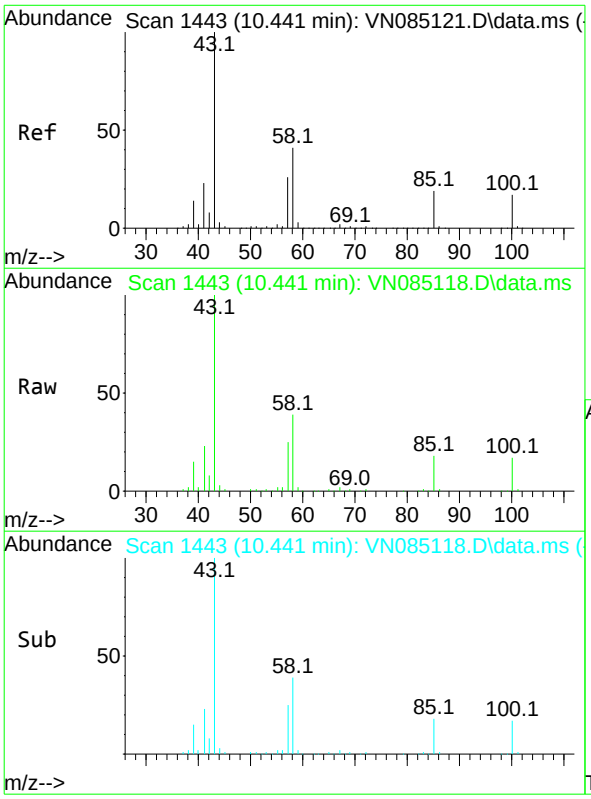
Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.2	66.4
119	31.8	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

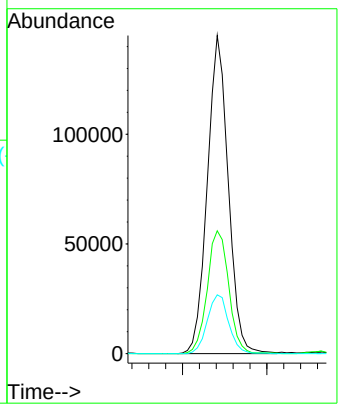
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

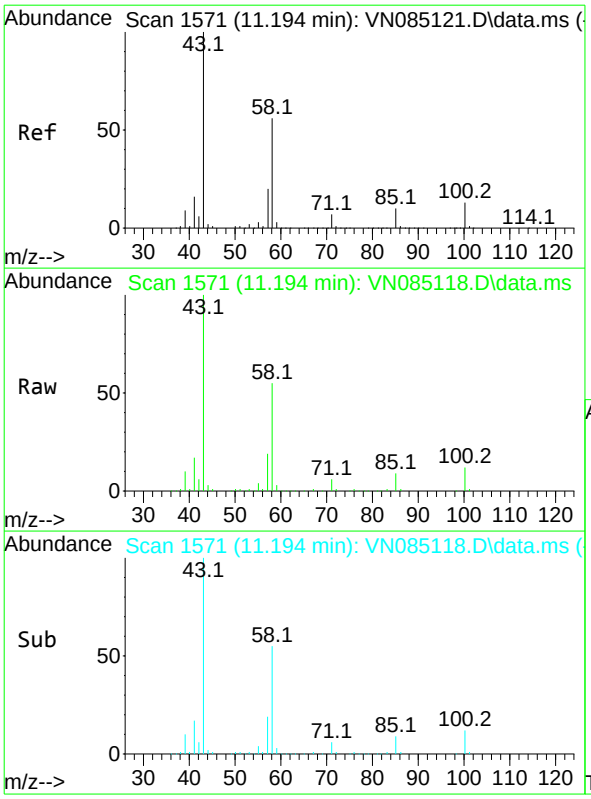


#58
4-Methyl-2-Pentanone
Concen: 100.896 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 43 Resp: 249951

Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.6	47.4
85	18.8	15.0	22.6

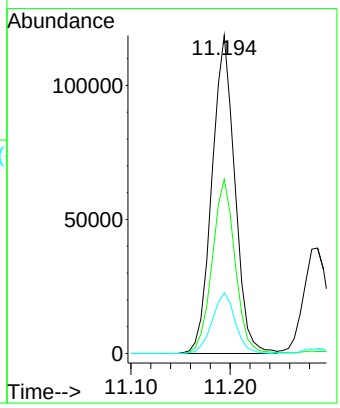




#59
2-Hexanone
Concen: 101.223 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 43 Resp: 190003

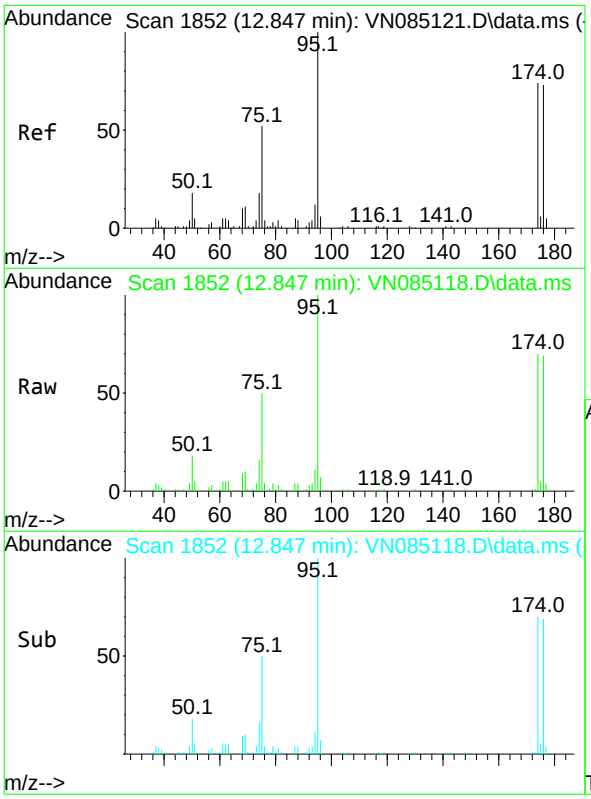
Ion	Ratio	Lower	Upper
43	100		
58	54.5	43.6	65.4
57	19.2	15.4	23.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

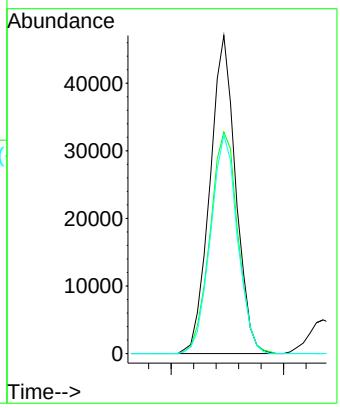
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

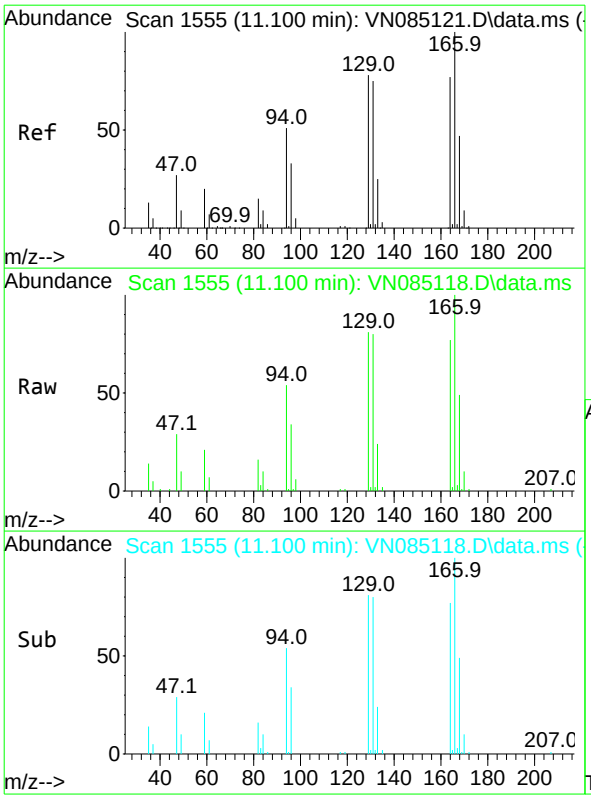


#60
4-Bromofluorobenzene
Concen: 29.902 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 95 Resp: 75101

Ion	Ratio	Lower	Upper
95	100		
174	75.4	60.3	90.5
176	71.7	57.4	86.0

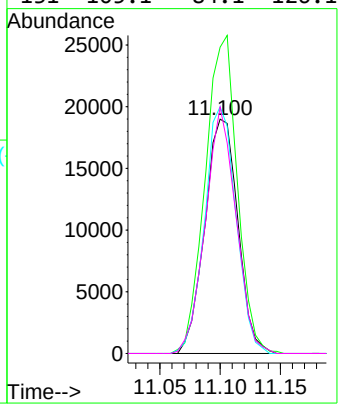




#61
Tetrachloroethene
Concen: 19.684 ug/l
RT: 11.100 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:164 Resp: 36183

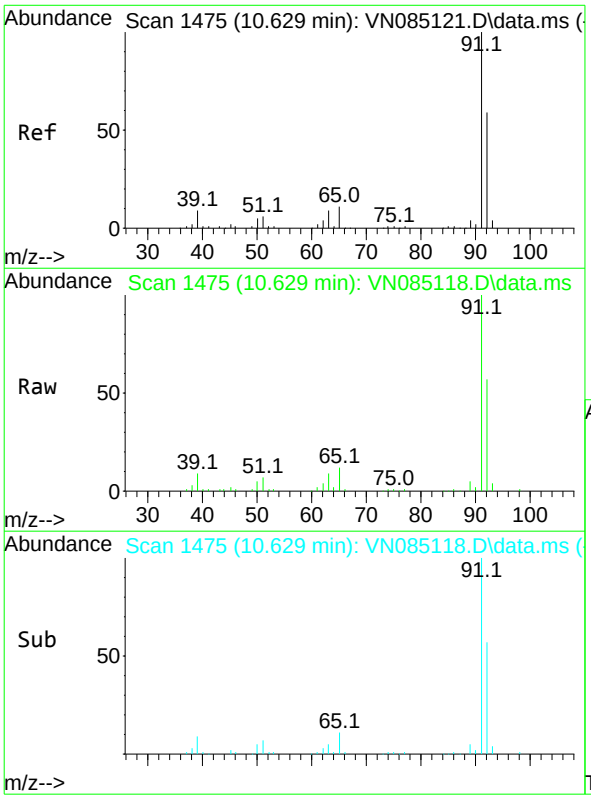
Ion	Ratio	Lower	Upper
164	100		
166	129.8	103.8	155.8
129	105.3	84.2	126.4
131	105.1	84.1	126.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

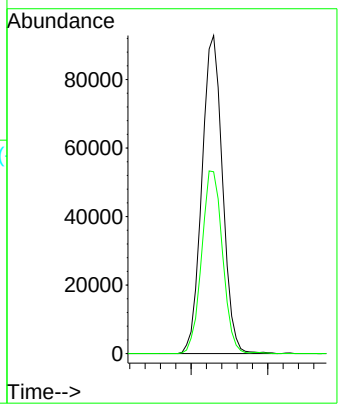
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

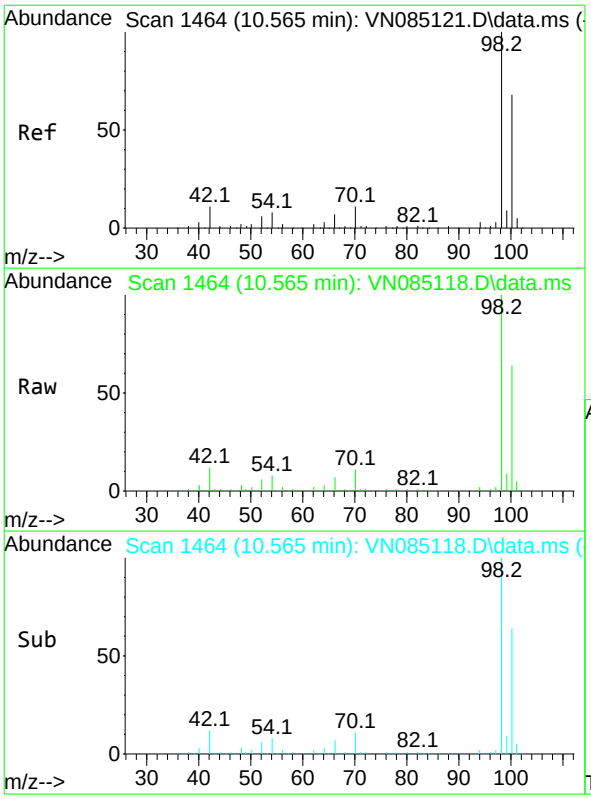


#62
Toluene
Concen: 19.581 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 91 Resp: 173344

Ion	Ratio	Lower	Upper
91	100		
92	58.1	46.5	69.7

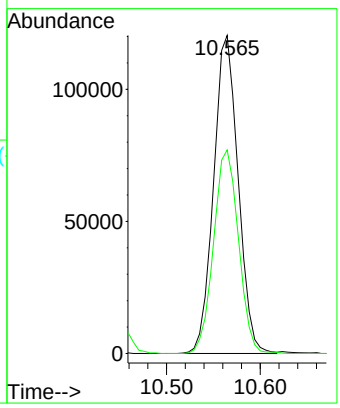




#63
Toluene-d8
Concen: 30.755 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 98 Resp: 218988

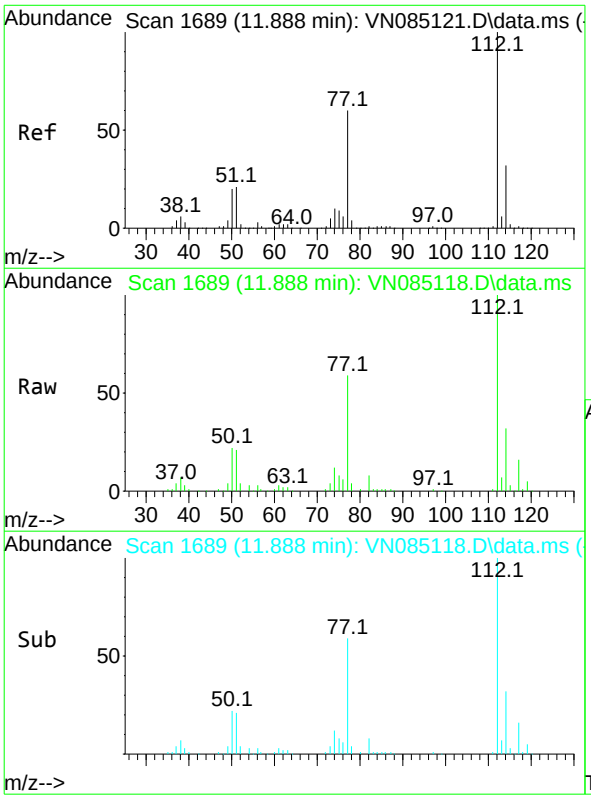
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

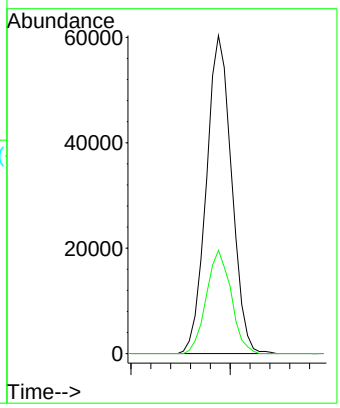
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

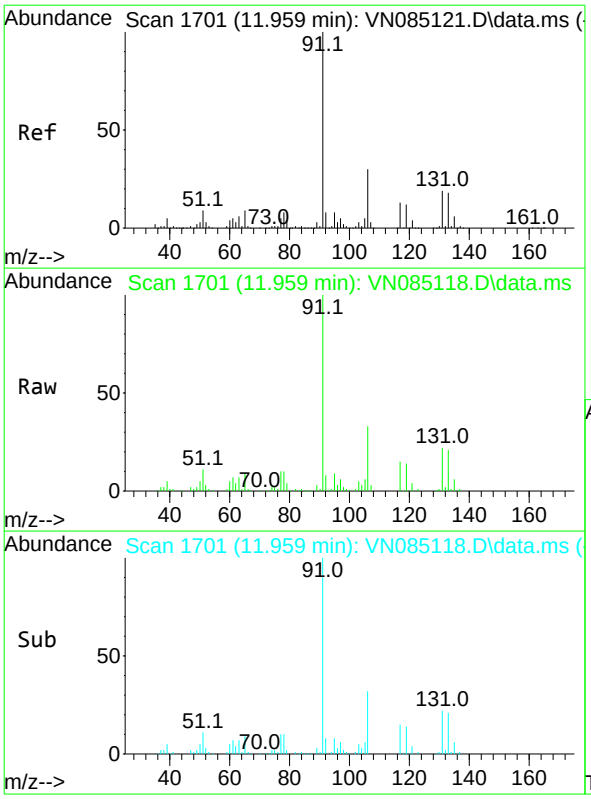


#64
Chlorobenzene
Concen: 19.550 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:112 Resp: 106855

Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0

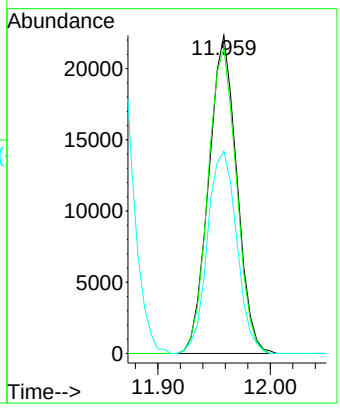




#65
1,1,1,2-Tetrachloroethane
Concen: 19.032 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:131 Resp: 38831

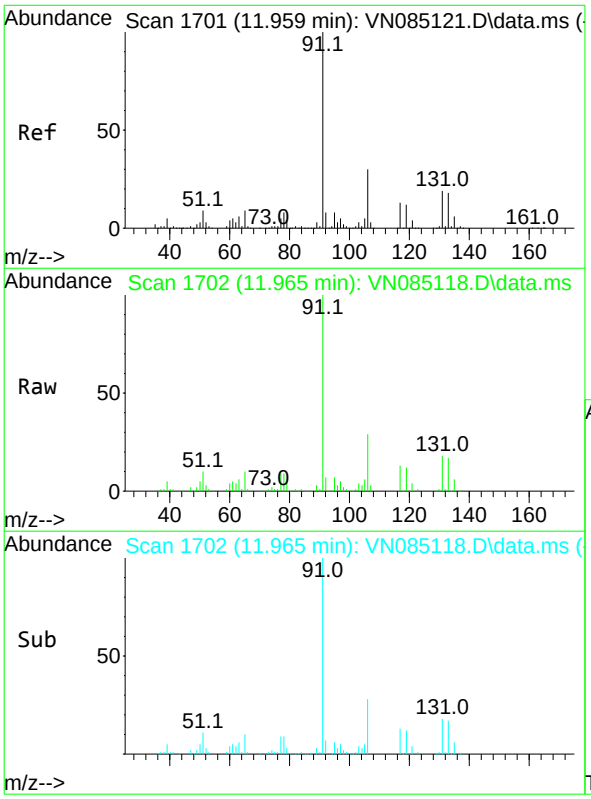
Ion	Ratio	Lower	Upper
131	100		
133	97.0	0.0	194.0
119	65.9	0.0	131.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

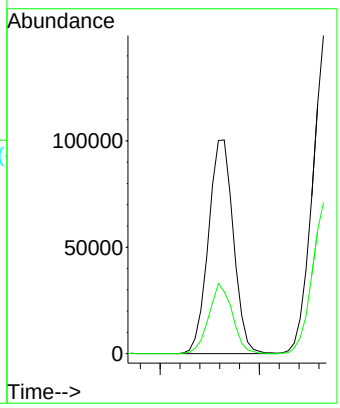
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

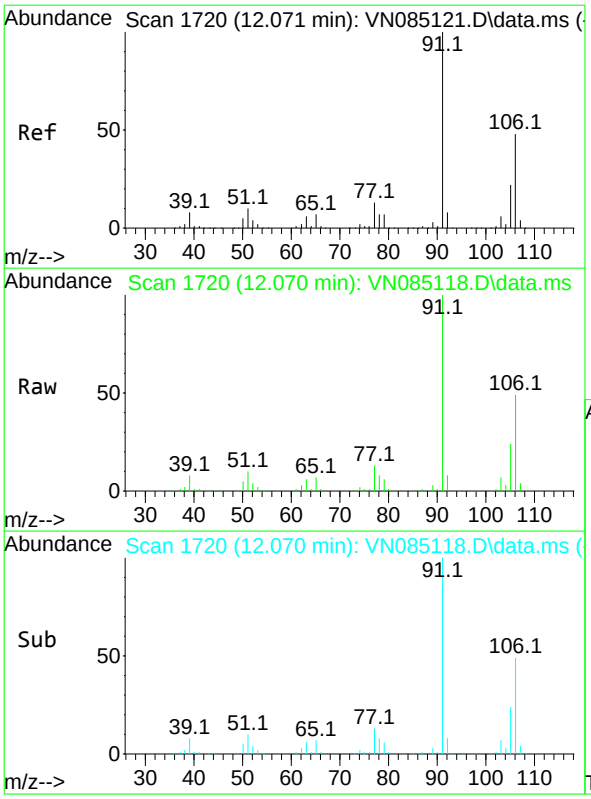


#66
Ethyl Benzene
Concen: 18.737 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 91 Resp: 176006

Ion	Ratio	Lower	Upper
91	100		
106	28.9	23.1	34.7

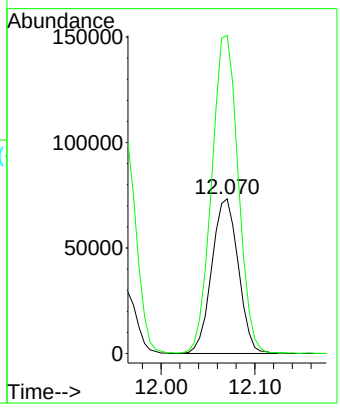




#67
m/p-Xylenes
Concen: 39.929 ug/l
RT: 12.070 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:106 Resp: 144263

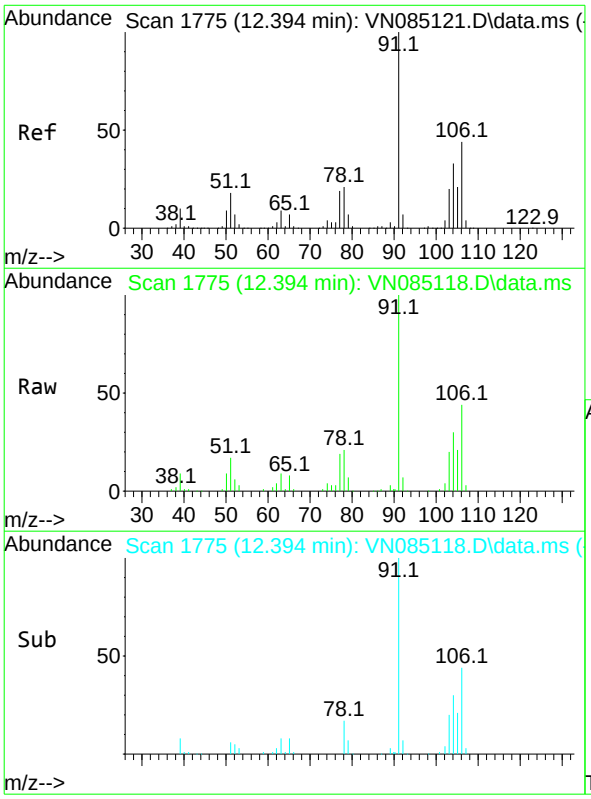
Ion	Ratio	Lower	Upper
106	100		
91	206.2	165.0	247.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

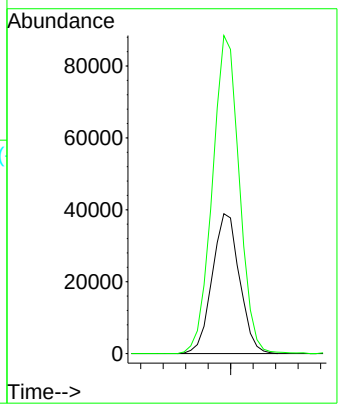
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

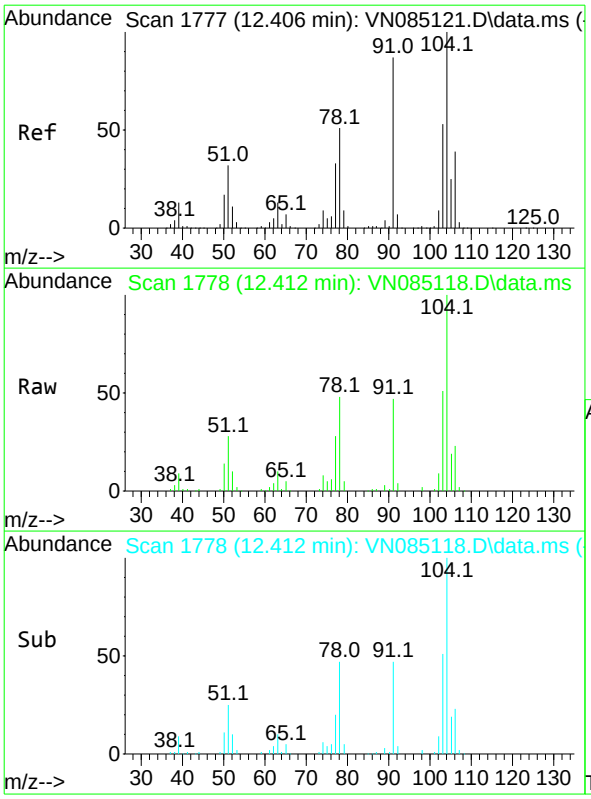


#68
o-Xylene
Concen: 19.324 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:106 Resp: 65568

Ion	Ratio	Lower	Upper
106	100		
91	224.3	112.1	336.4

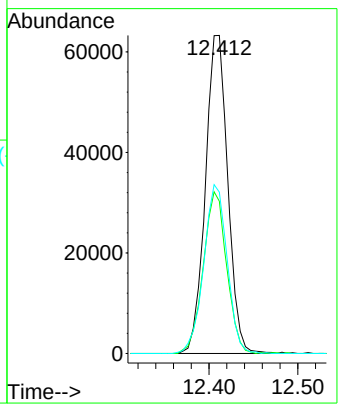




#69
Styrene
Concen: 19.289 ug/l
RT: 12.412 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:104 Resp: 111060

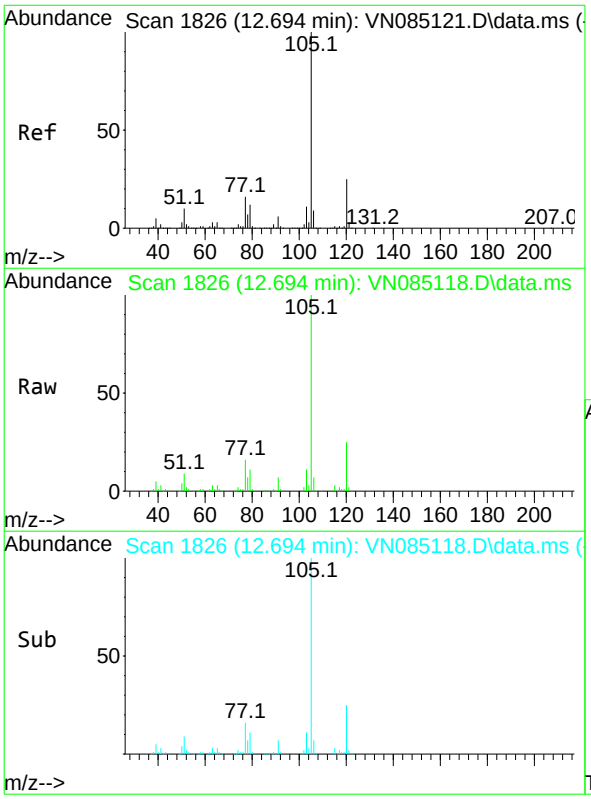
Ion	Ratio	Lower	Upper
104	100		
78	52.9	42.3	63.5
103	55.5	44.4	66.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

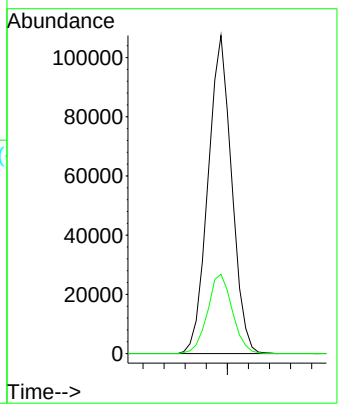
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

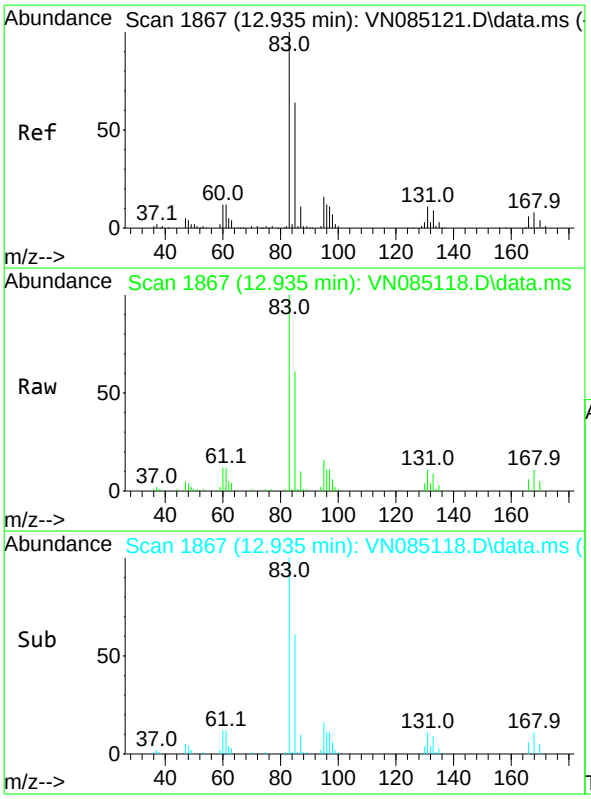


#70
Isopropylbenzene
Concen: 19.153 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:105 Resp: 167624

Ion	Ratio	Lower	Upper
105	100		
120	26.1	18.3	33.9

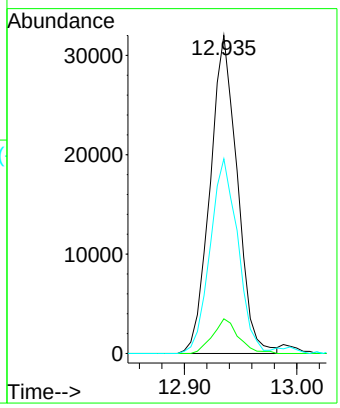




#71
1,1,2,2-Tetrachloroethane
Concen: 20.208 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 83 Resp: 53829

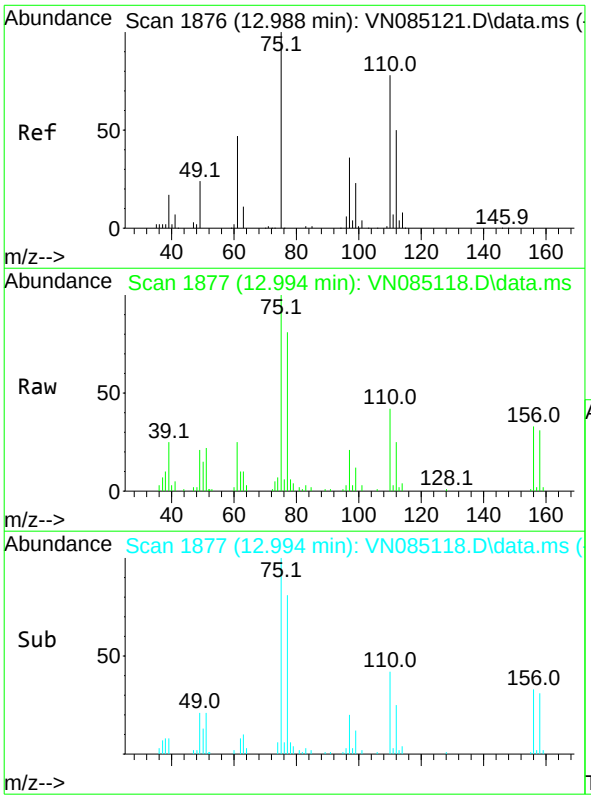
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.3
85	62.3	31.1	93.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

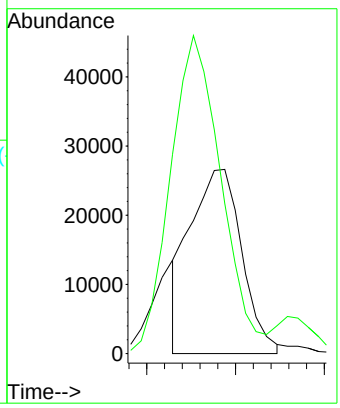
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

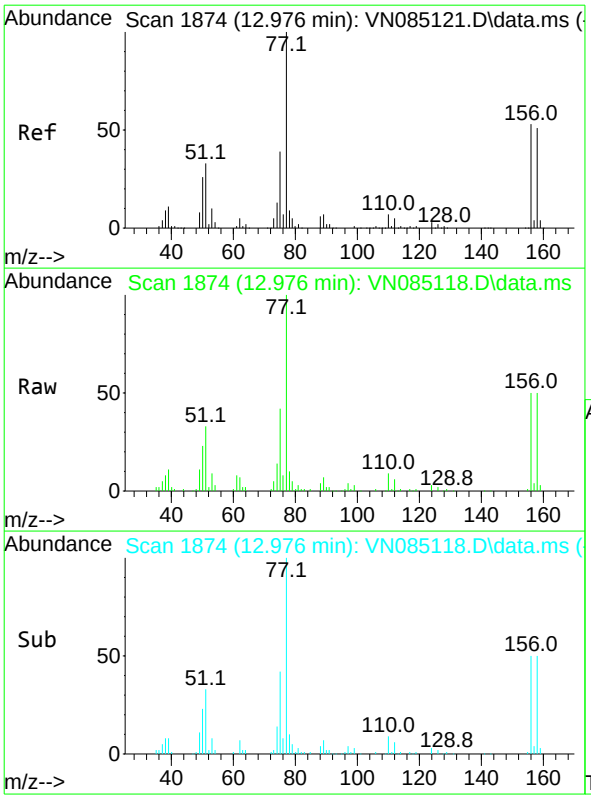


#72
1,2,3-Trichloropropane
Concen: 20.512 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 75 Resp: 53975

Ion	Ratio	Lower	Upper
75	100		
77	169.5	0.0	339.0

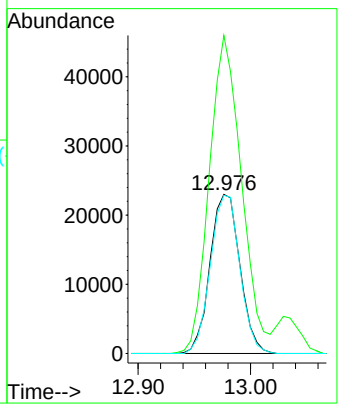




#73
Bromobenzene
Concen: 19.393 ug/l
RT: 12.976 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:156 Resp: 42513

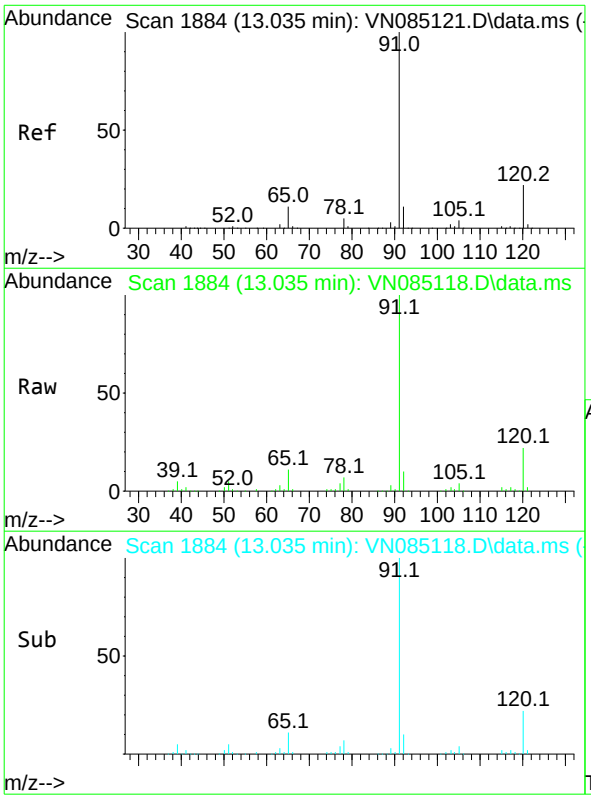
Ion	Ratio	Lower	Upper
156	100		
77	215.2	0.0	430.4
158	97.6	0.0	195.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
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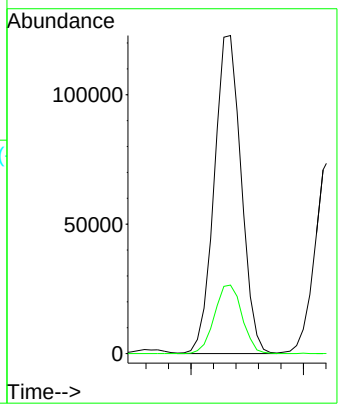
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

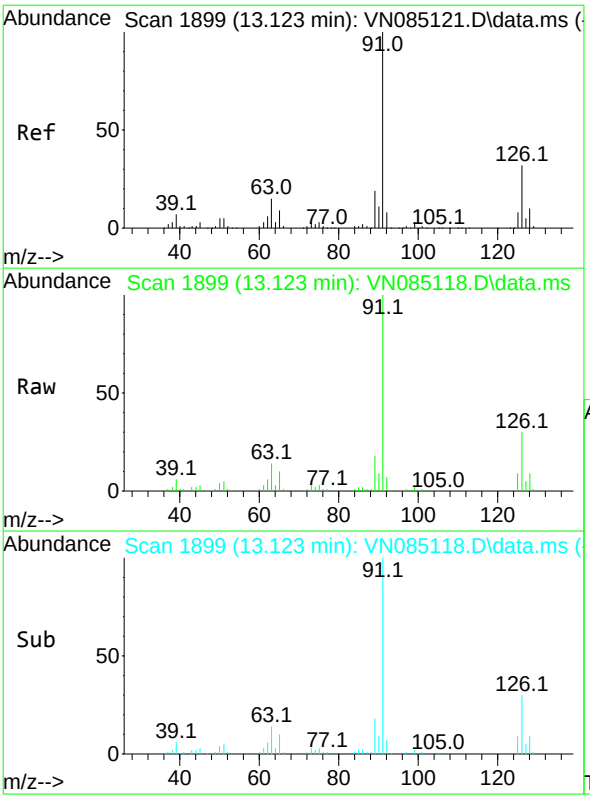


#74
n-propylbenzene
Concen: 19.431 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 91 Resp: 204446

Ion	Ratio	Lower	Upper
91	100		
120	22.0	0.0	44.0

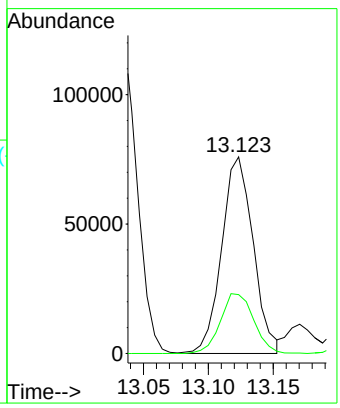




#75
2-Chlorotoluene
Concen: 19.766 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 91 Resp: 128581

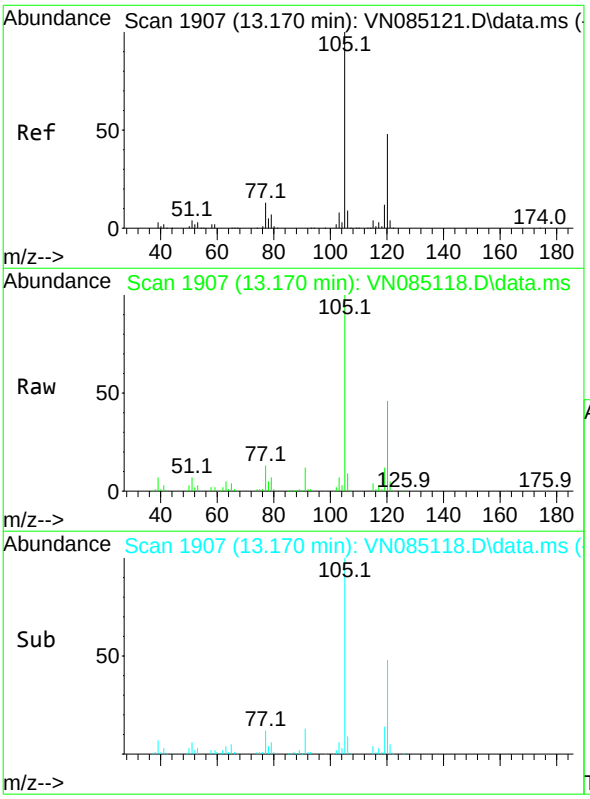
Ion	Ratio	Lower	Upper
91	100		
126	32.1	0.0	64.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

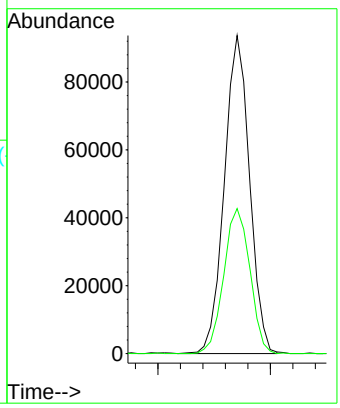
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

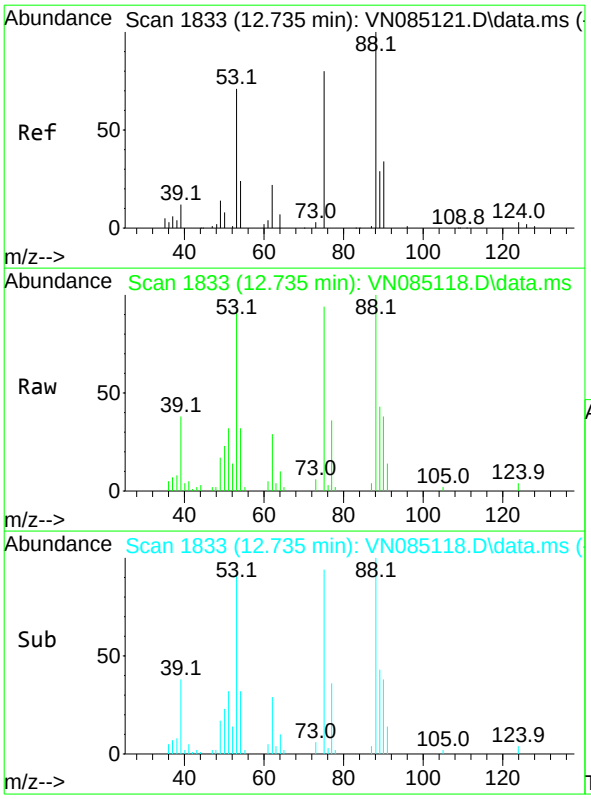


#76
1,3,5-Trimethylbenzene
Concen: 19.449 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:105 Resp: 145824

Ion	Ratio	Lower	Upper
105	100		
120	47.2	0.0	94.4

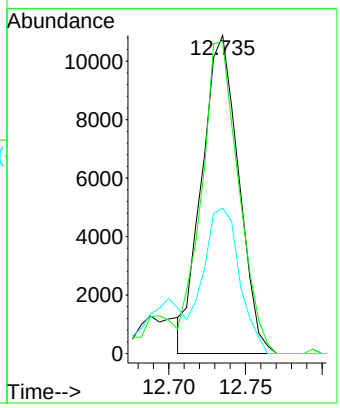




#77
t-1,4-Dichloro-2-butene
Concen: 18.901 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 75 Resp: 18073

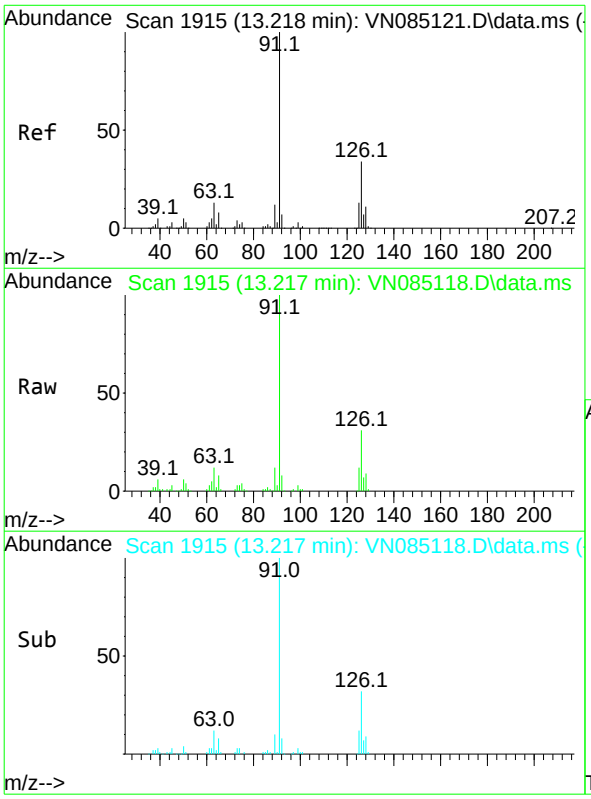
Ion	Ratio	Lower	Upper
75	100		
53	98.2	49.1	147.3
89	45.7	22.9	68.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

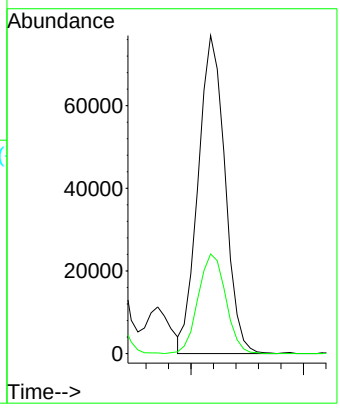
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

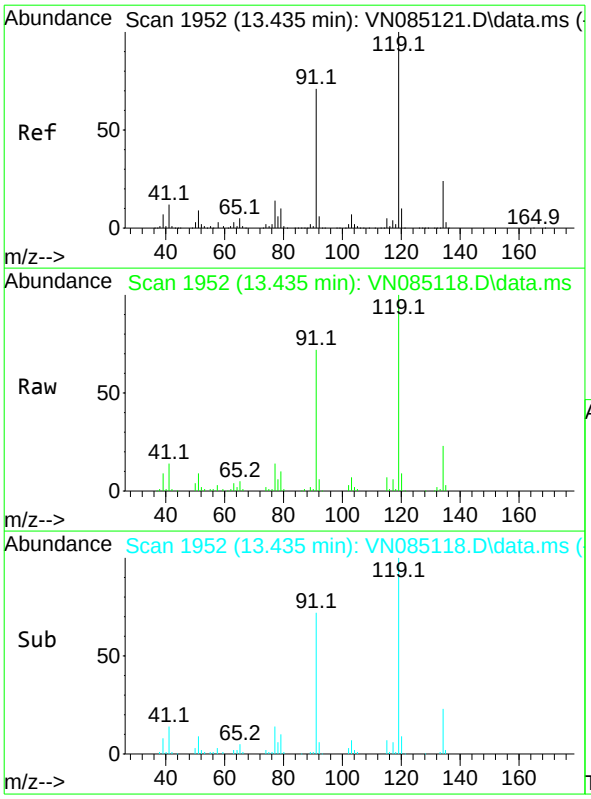


#78
4-Chlorotoluene
Concen: 19.337 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 91 Resp: 127680

Ion	Ratio	Lower	Upper
91	100		
126	32.2	0.0	64.4

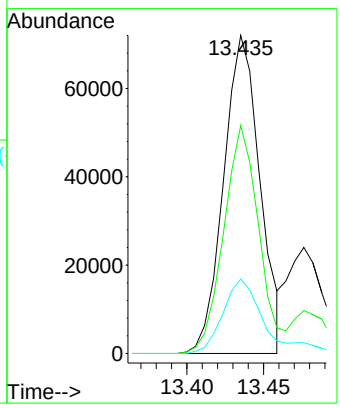




#79
tert-butylbenzene
Concen: 19.283 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:119 Resp: 118752

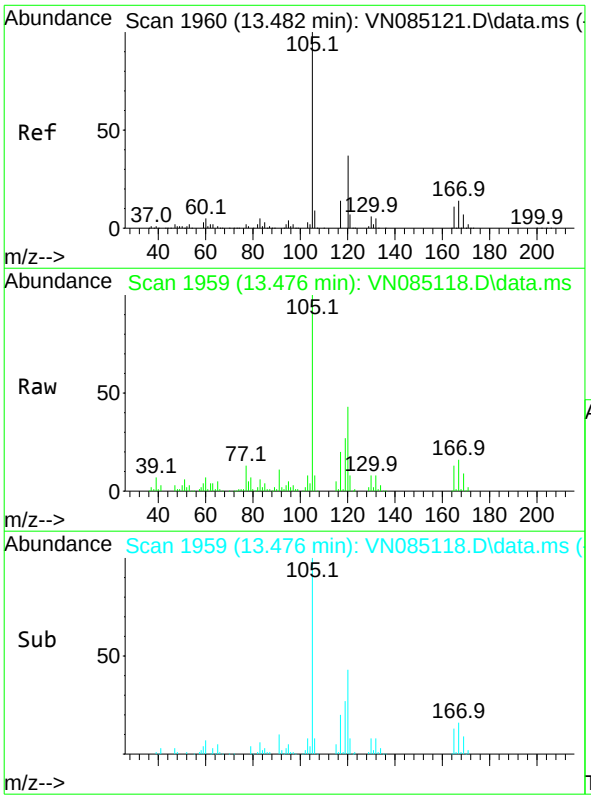
Ion	Ratio	Lower	Upper
119	100		
91	69.6	0.0	139.2
134	24.0	0.0	48.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

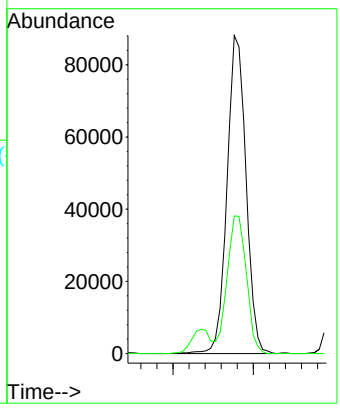
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

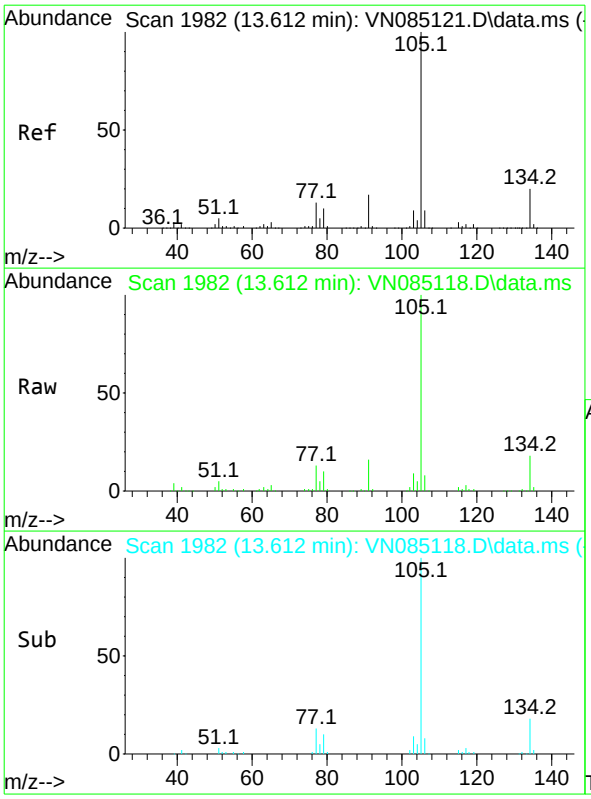


#80
1,2,4-Trimethylbenzene
Concen: 19.521 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:105 Resp: 144579

Ion	Ratio	Lower	Upper
105	100		
120	43.7	0.0	87.4

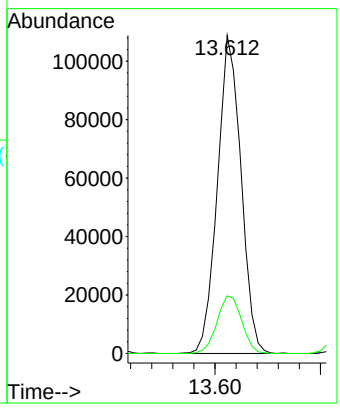




#81
sec-Butylbenzene
Concen: 19.304 ug/l
RT: 13.612 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:105 Resp: 168895

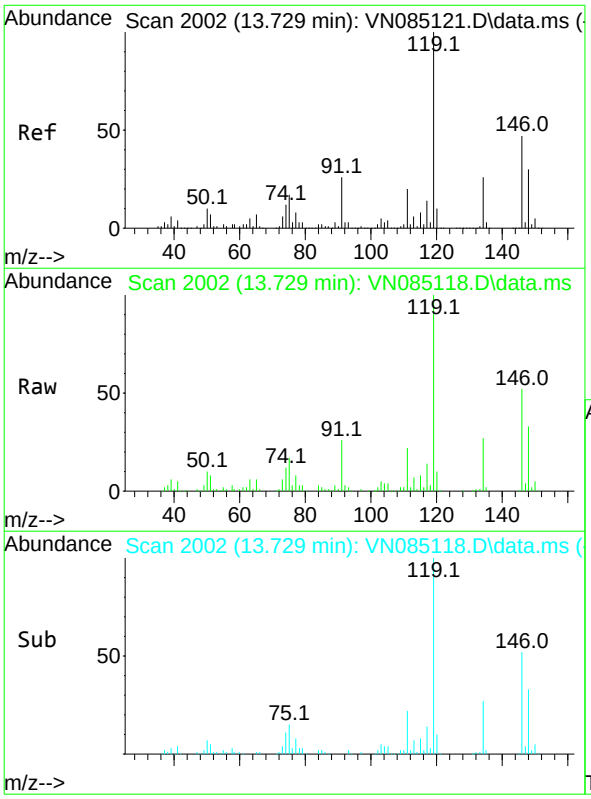
Ion	Ratio	Lower	Upper
105	100		
134	19.0	0.0	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

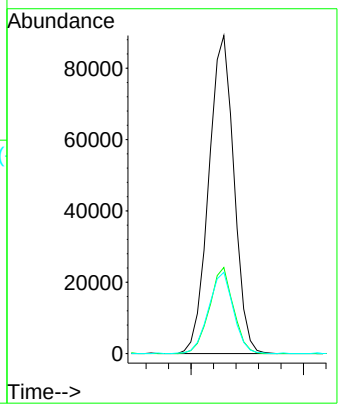
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

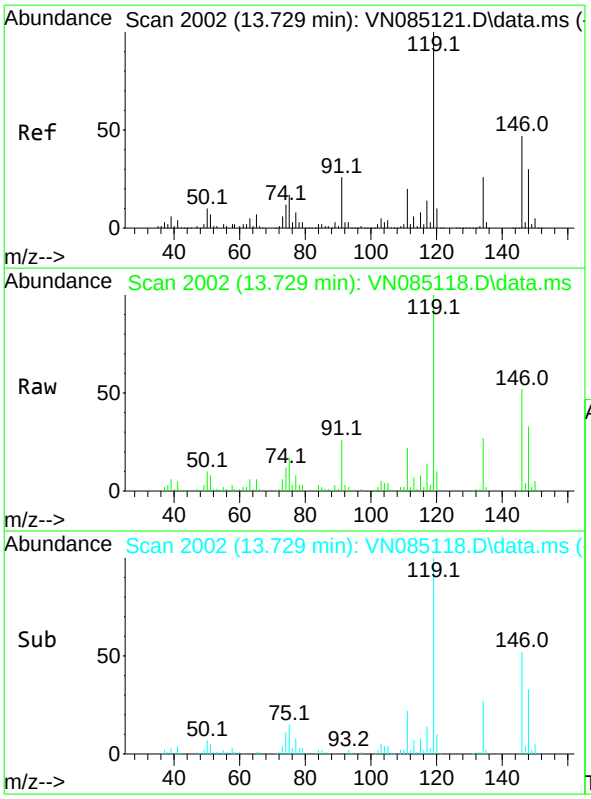


#82
p-Isopropyltoluene
Concen: 19.140 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:119 Resp: 138833

Ion	Ratio	Lower	Upper
119	100		
134	25.8	0.0	51.6
91	25.2	0.0	50.4

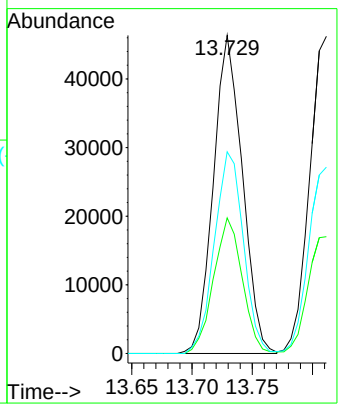




#83
1,3-Dichlorobenzene
Concen: 19.261 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:146 Resp: 77464

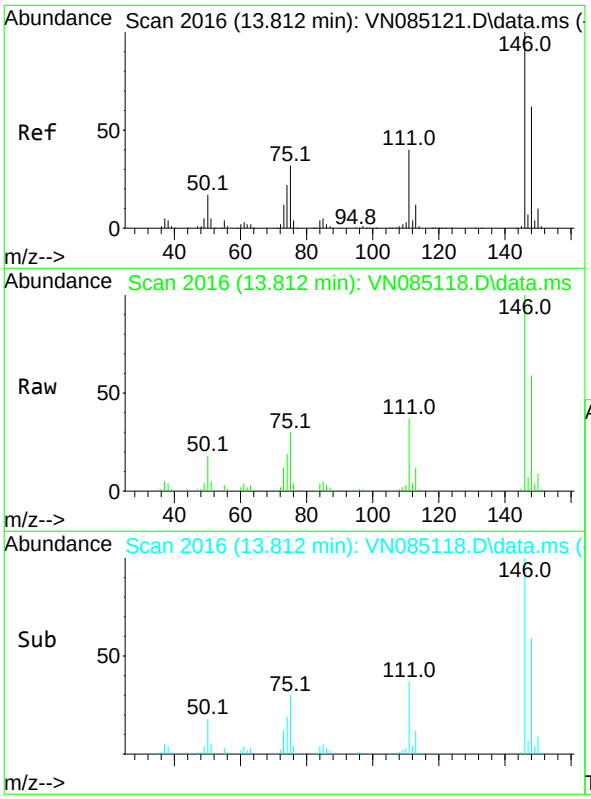
Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.3
148	63.5	31.8	95.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

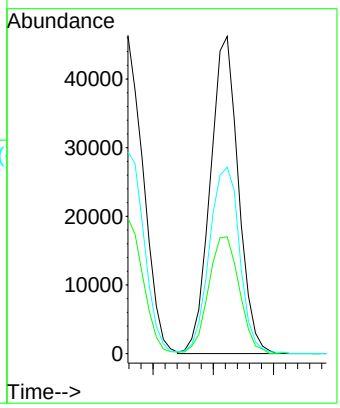
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

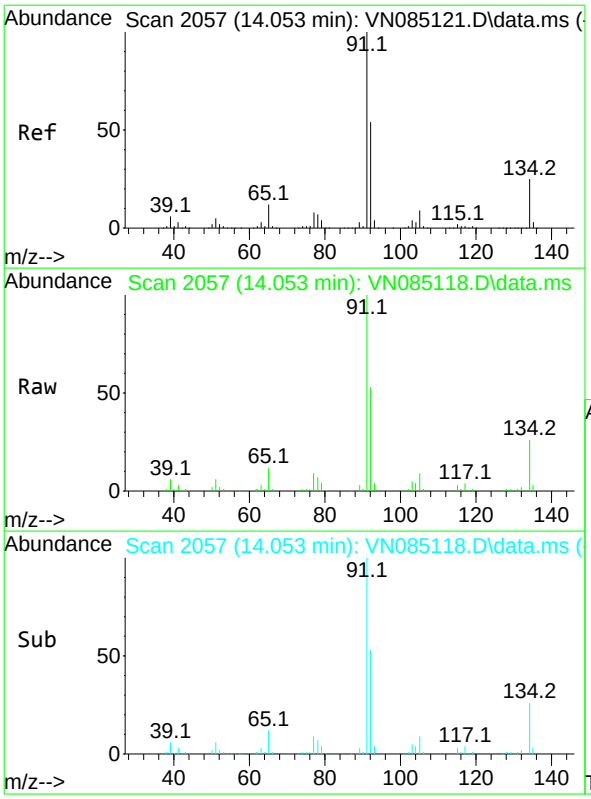


#84
1,4-Dichlorobenzene
Concen: 19.156 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:146 Resp: 75083

Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.3
148	63.1	31.6	94.7

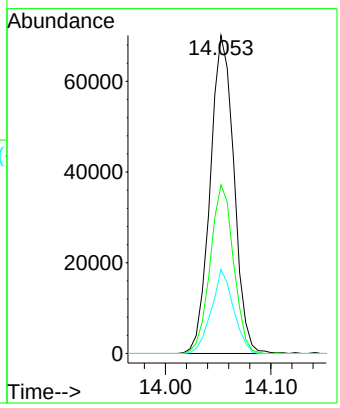




#85
n-Butylbenzene
Concen: 18.049 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 91 Resp: 109819

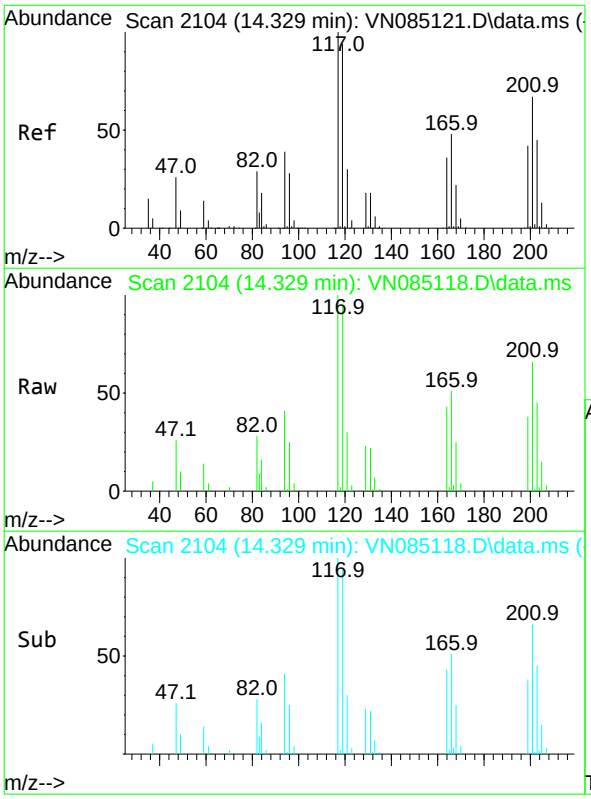
Ion	Ratio	Lower	Upper
91	100		
92	52.0	0.0	104.0
134	24.6	0.0	49.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

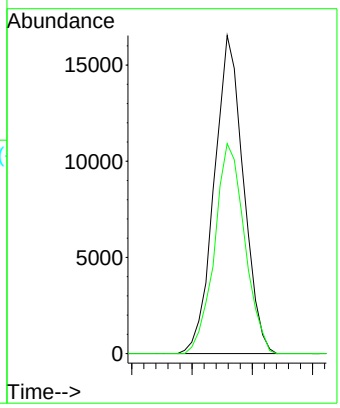
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

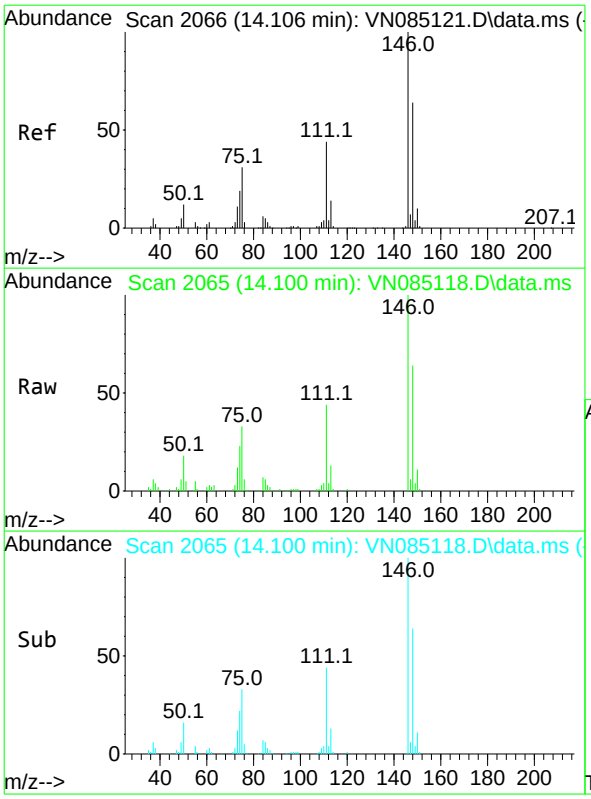


#86
Hexachloroethane
Concen: 19.248 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:117 Resp: 27795

Ion	Ratio	Lower	Upper
117	100		
201	68.2	34.1	102.3

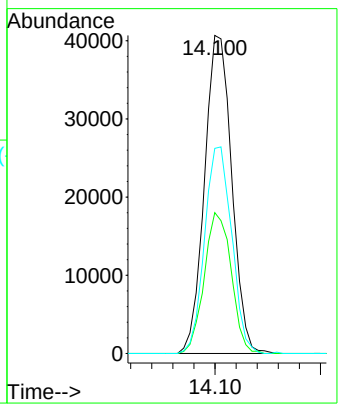




#87
1,2-Dichlorobenzene
Concen: 19.228 ug/l
RT: 14.100 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:146 Resp: 72993

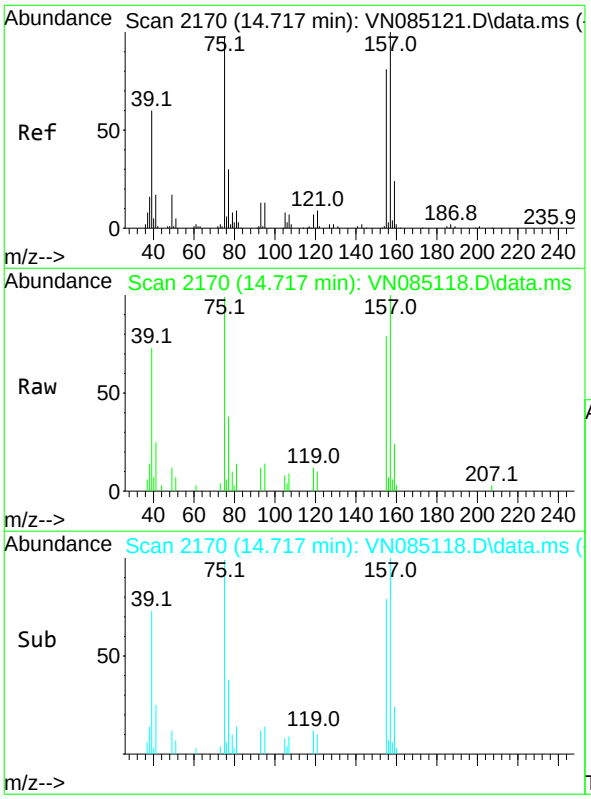
Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.9	65.7
148	64.7	32.4	97.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

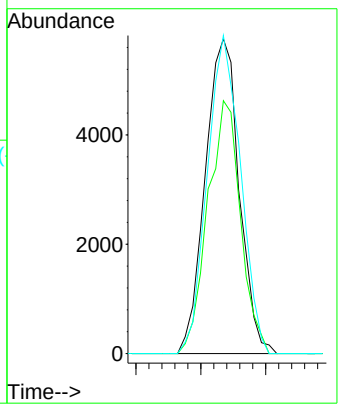
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

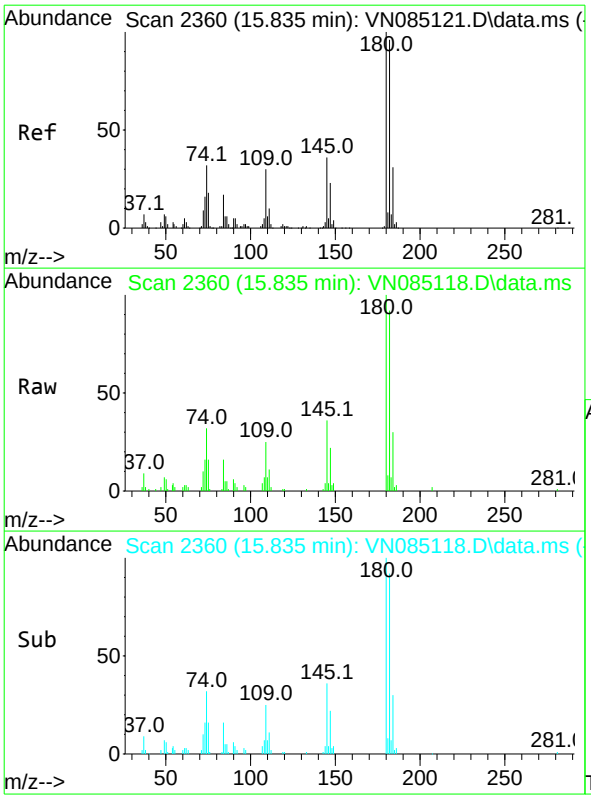


#88
1,2-Dibromo-3-Chloropropane
Concen: 19.634 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 75 Resp: 10448

Ion	Ratio	Lower	Upper
75	100		
155	77.6	62.1	93.1
157	99.1	79.3	118.9

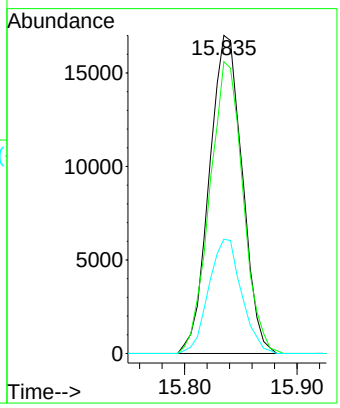




#89
1,2,4-Trichlorobenzene
Concen: 18.598 ug/l
RT: 15.835 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:180 Resp: 34577

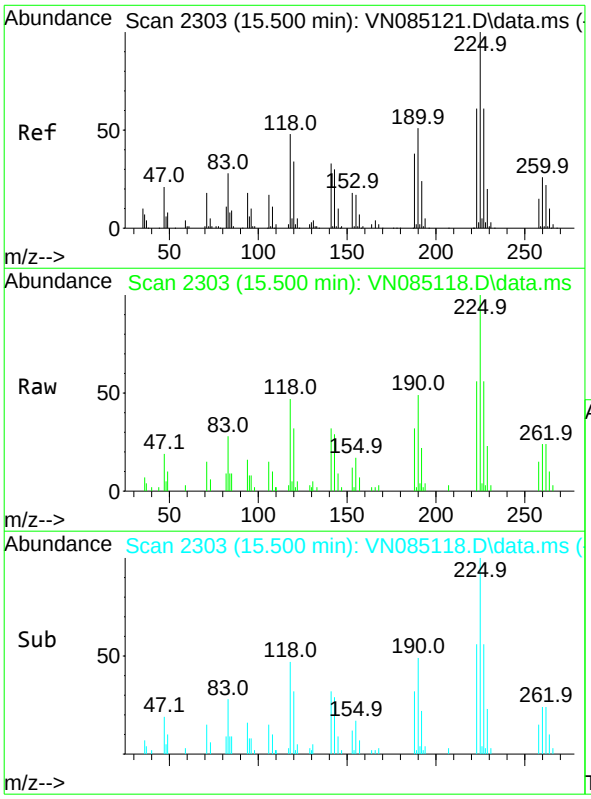
Ion	Ratio	Lower	Upper
180	100		
182	92.5	74.0	111.0
145	35.8	28.6	43.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

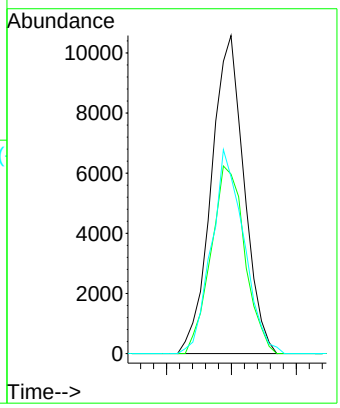
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

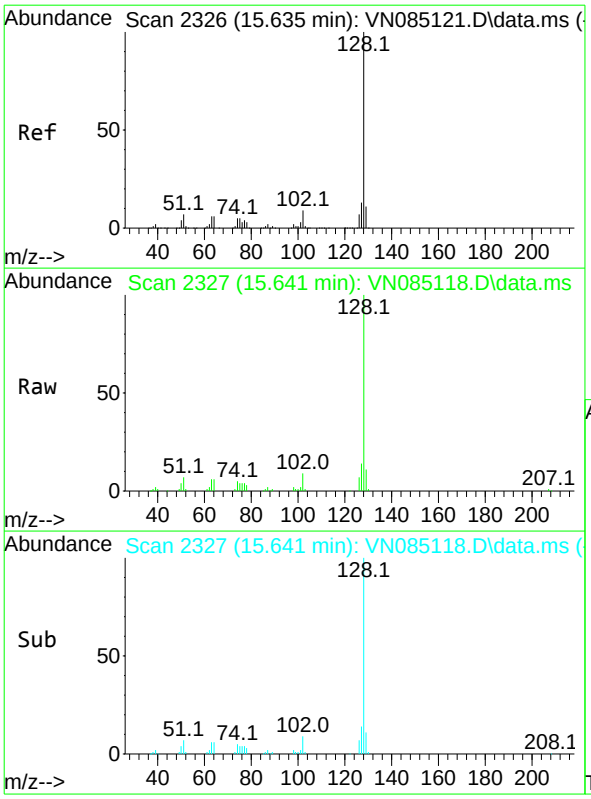


#90
Hexachlorobutadiene
Concen: 19.222 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:225 Resp: 18570

Ion	Ratio	Lower	Upper
225	100		
223	60.9	0.0	121.8
227	63.4	0.0	126.8

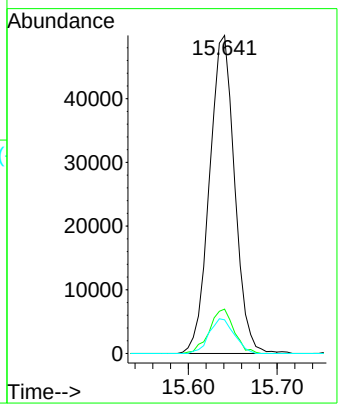




#91
Naphthalene
Concen: 17.011 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:128 Resp: 98254

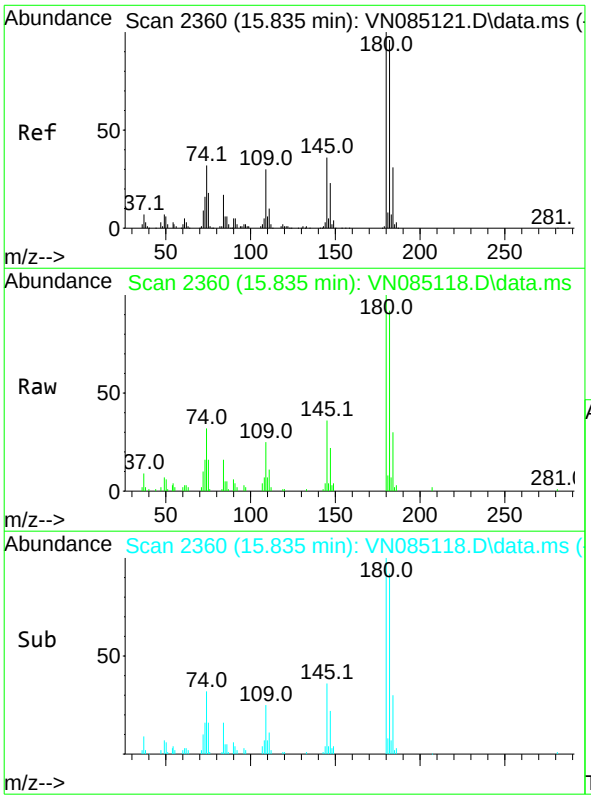
Ion	Ratio	Lower	Upper
128	100		
127	13.7	11.0	16.4
129	10.9	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

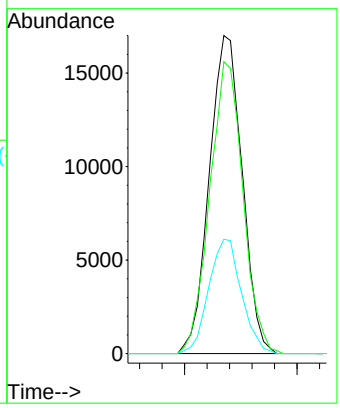
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024



#92
1,2,3-Trichlorobenzene
Concen: 18.598 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:180 Resp: 34577

Ion	Ratio	Lower	Upper
180	100		
182	92.5	0.0	185.0
145	35.8	0.0	71.6



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085119.D
Acq On : 06 Dec 2024 10:49
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 06 22:29:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	32631	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	169083	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	158595	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.576	65	73850	28.523	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 95.067%				
60) 4-Bromofluorobenzene	12.847	95	79229	30.193	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.633%				
63) Toluene-d8	10.565	98	220709	29.668	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	126923	48.618	ug/l		95
3) Chloromethane	2.359	50	109481	47.379	ug/l		97
4) Vinyl Chloride	2.512	62	110184	46.620	ug/l		95
5) Bromomethane	2.959	94	68578	45.702	ug/l		97
6) Chloroethane	3.124	64	68457	47.145	ug/l		96
7) Trichlorofluoromethane	3.500	101	180635	46.691	ug/l		99
8) Diethyl Ether	3.959	74	59301	48.393	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.371	101	103346	47.768	ug/l		97
10) 1,1-Dichloroethene	4.341	96	94788	47.699	ug/l		96
11) Methyl Iodide	4.589	142	133247	48.346	ug/l		97
12) Methyl Acetate	5.018	43	110575	47.166	ug/l		99
13) Acrolein	4.171	56	81406	238.946	ug/l		93
14) Acrylonitrile	5.712	53	233375	239.739	ug/l		97
15) Acetone	4.418	58	63386	240.283	ug/l		89
16) Carbon Disulfide	4.712	76	275285	46.345	ug/l		100
17) Allyl chloride	5.024	41	137437	48.333	ug/l		92
18) Methylene Chloride	5.277	84	104822	46.488	ug/l		98
19) trans-1,2-Dichloroethene	5.788	96	96901	46.913	ug/l		90
20) Diisopropyl ether	6.671	45	301677	48.342	ug/l		99
21) 1,1-Dichloroethane	6.565	63	177808	46.165	ug/l		99
22) cis-1,2-Dichloroethene	7.482	96	113782	47.926	ug/l		98
23) tert-Butyl Alcohol	5.512	59	80412	230.265	ug/l	#	100
24) Methyl tert-Butyl Ether	5.794	73	300411	48.425	ug/l	#	77
25) Chloroform	7.965	83	190773	47.279	ug/l		98
26) Cyclohexane	8.253	56	158534	49.989	ug/l		98
29) 1,1-Dichloropropene	8.371	75	131946	48.360	ug/l		99
30) 2-Butanone	7.477	43	307572	245.653	ug/l		99
31) 2,2-Dichloropropane	7.488	77	169610	48.478	ug/l	#	100
32) 1,1,1-Trichloroethane	8.165	97	174371	47.217	ug/l		98
33) Carbon Tetrachloride	8.359	117	159586	47.889	ug/l		97
34) Benzene	8.606	78	410169	47.855	ug/l		98
35) Methacrylonitrile	7.777	41	72876	51.722	ug/l		91
36) 1,2-Dichloroethane	8.671	62	138391	47.430	ug/l		100
37) Trichloroethene	9.353	130	96801	47.426	ug/l		96
38) Methylcyclohexane	9.600	83	148222	49.963	ug/l		95
39) 1,2-Dichloropropane	9.618	63	98790	47.586	ug/l		96
40) Dibromomethane	9.706	93	71433	47.969	ug/l		99
41) Bromodichloromethane	9.882	83	152481	47.898	ug/l		96
42) Vinyl Acetate	6.600	43	1122209	256.138	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085119.D
Acq On : 06 Dec 2024 10:49
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 06 22:29:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.553	43	124173	49.844 ug/l #	92
44) Isopropyl Acetate	8.682	43	211189	48.782 ug/l	99
45) 1,4-Dioxane	9.694	88	35720	989.420 ug/l	95
46) Methyl methacrylate	9.676	41	97397	49.158 ug/l	94
47) n-amyl Acetate	12.488	43	184994	50.788 ug/l	95
48) t-1,3-Dichloropropene	10.835	75	152504	48.801 ug/l	98
49) cis-1,3-Dichloropropene	10.306	75	164287	48.292 ug/l	96
50) 1,1,2-Trichloroethane	11.018	97	94692	47.189 ug/l	98
51) Ethyl methacrylate	10.870	69	152776	50.057 ug/l	97
52) 1,3-Dichloropropane	11.159	76	164130	48.874 ug/l	99
53) Dibromochloromethane	11.359	129	116277	47.550 ug/l	97
54) 1,2-Dibromoethane	11.465	107	98049	48.496 ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	363042	256.062 ug/l	100
56) Bromoform	12.576	173	79589	48.542 ug/l	96
58) 4-Methyl-2-Pentanone	10.441	43	638976	246.869 ug/l	98
59) 2-Hexanone	11.194	43	490910	250.312 ug/l	98
61) Tetrachloroethene	11.100	164	90418	47.078 ug/l	96
62) Toluene	10.629	91	444180	48.023 ug/l	99
64) Chlorobenzene	11.888	112	274152	48.008 ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	101559	47.641 ug/l	95
66) Ethyl Benzene	11.959	91	487612	49.682 ug/l	96
67) m/p-Xylenes	12.070	106	373298	98.889 ug/l	95
68) o-Xylene	12.394	106	179899	50.744 ug/l	97
69) Styrene	12.406	104	307715	51.151 ug/l	98
70) Isopropylbenzene	12.694	105	461786	50.502 ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	132922	47.759 ug/l	97
72) 1,2,3-Trichloropropane	12.988	75	125007m	45.469 ug/l	
73) Bromobenzene	12.976	156	111567	48.711 ug/l	99
74) n-propylbenzene	13.035	91	550361	50.065 ug/l	99
75) 2-Chlorotoluene	13.123	91	334590	49.227 ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	393277	50.202 ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	48505	48.553 ug/l	97
78) 4-Chlorotoluene	13.217	91	336818	48.823 ug/l	98
79) tert-butylbenzene	13.435	119	324073	50.365 ug/l	99
80) 1,2,4-Trimethylbenzene	13.476	105	396249	51.207 ug/l	100
81) sec-Butylbenzene	13.611	105	456540	49.942 ug/l	99
82) p-Isopropyltoluene	13.729	119	386040	50.937 ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	204168	48.588 ug/l	99
84) 1,4-Dichlorobenzene	13.811	146	200637	48.993 ug/l	99
85) n-Butylbenzene	14.053	91	325144	51.146 ug/l	99
86) Hexachloroethane	14.329	117	71737	47.548 ug/l	96
87) 1,2-Dichlorobenzene	14.106	146	193910	48.889 ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	26674	47.975 ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	96150	49.499 ug/l	98
90) Hexachlorobutadiene	15.500	225	45780	45.354 ug/l	97
91) Naphthalene	15.641	128	310785	51.498 ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	96150	49.499 ug/l	98

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

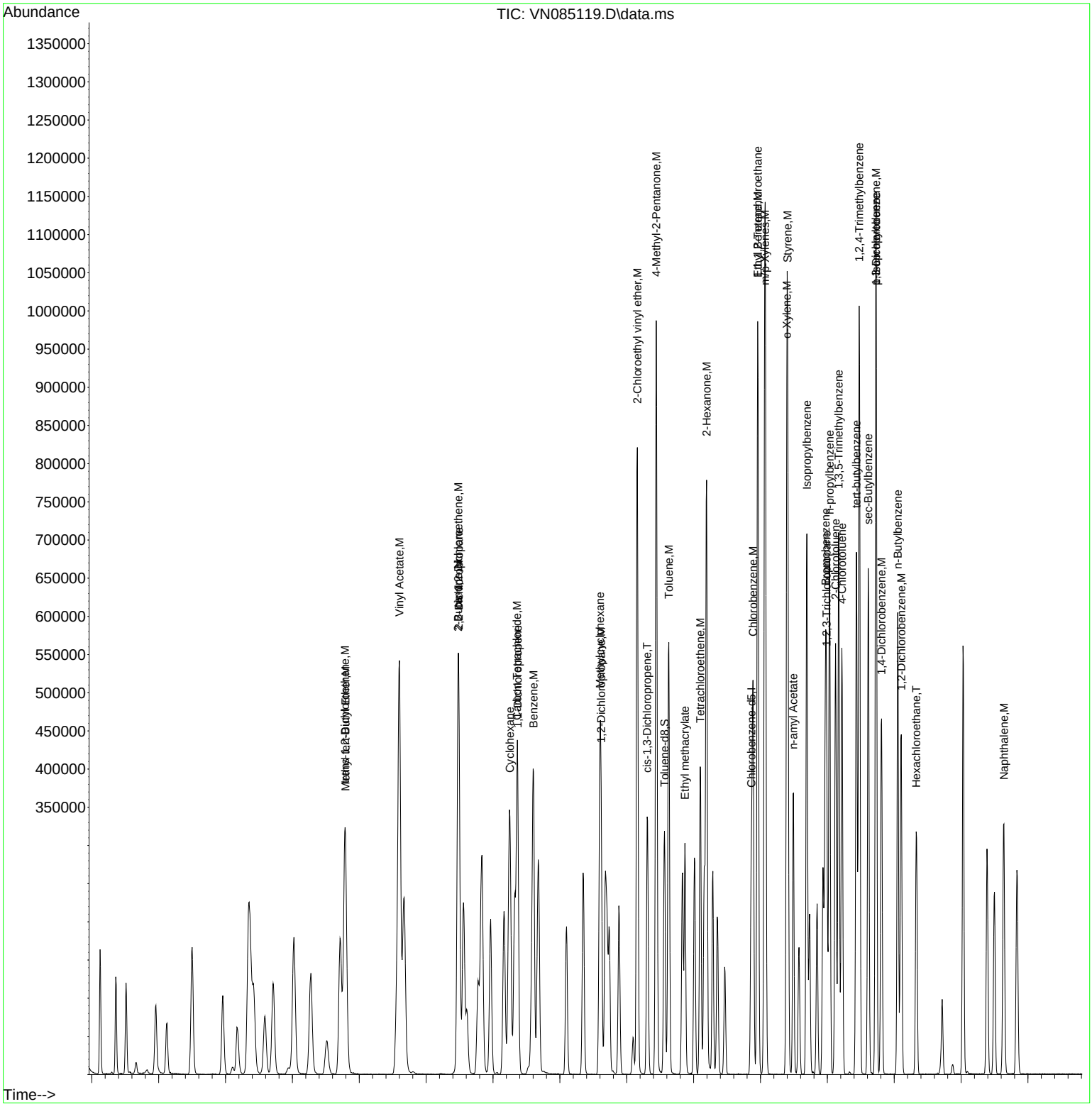
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Acq On : 06 Dec 2024 10:49
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

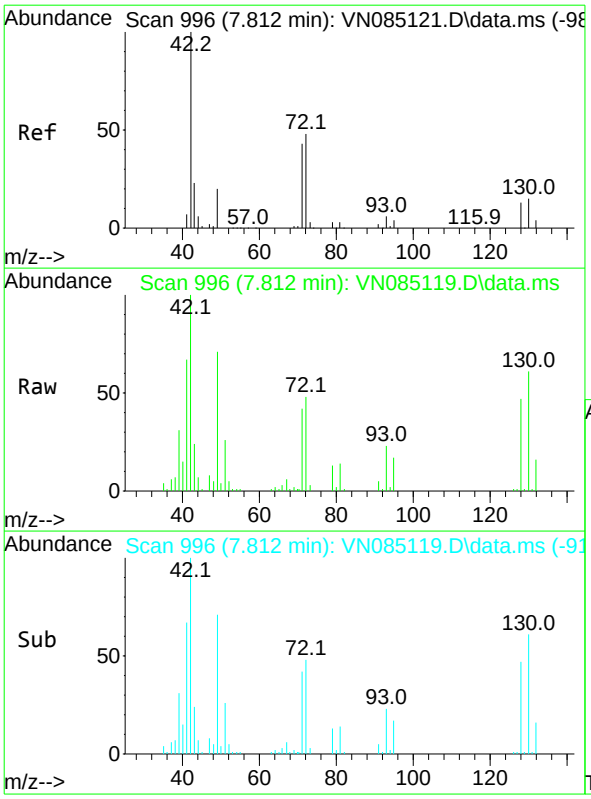
Quant Time: Dec 06 22:29:45 2024
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

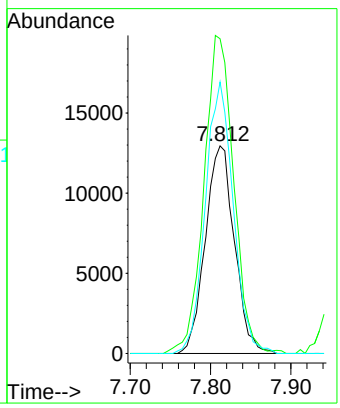




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:128 Resp: 32631

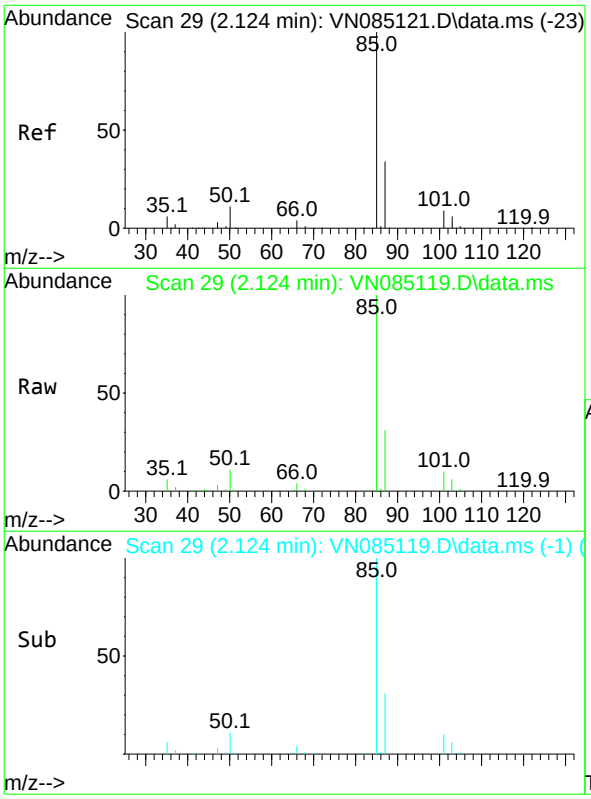
Ion	Ratio	Lower	Upper
128	100		
49	155.7	0.0	394.5
130	125.6	0.0	316.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

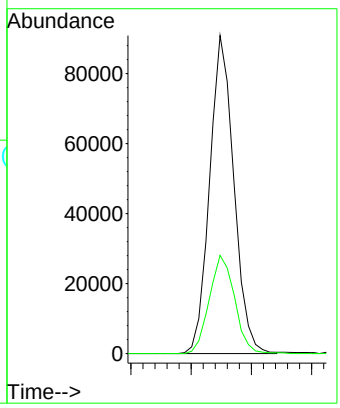
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

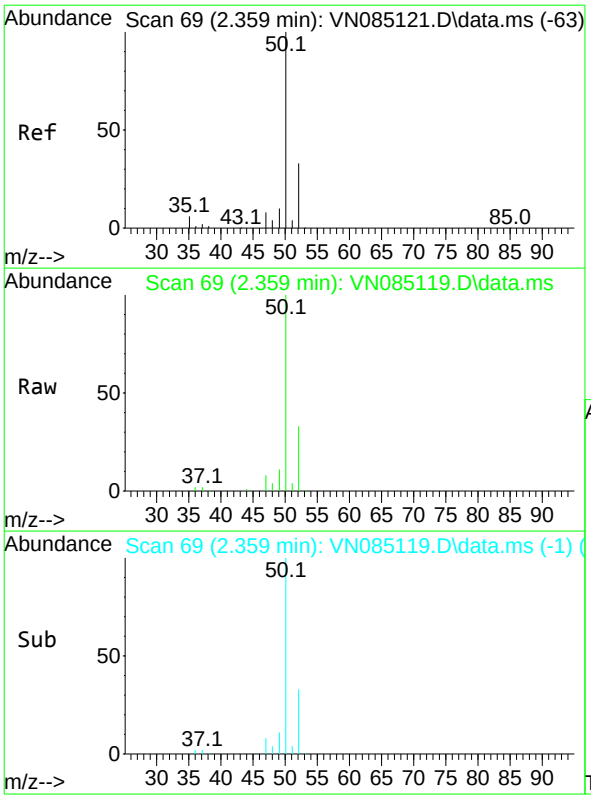


#2
Dichlorodifluoromethane
Concen: 48.618 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 85 Resp: 126923

Ion	Ratio	Lower	Upper
85	100		
87	30.9	16.8	50.3

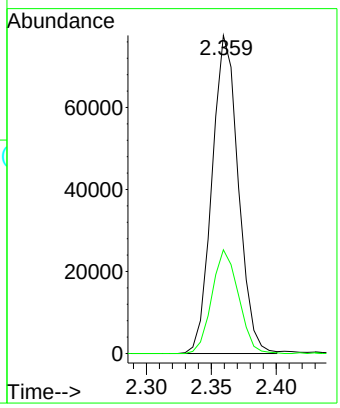




#3
Chloromethane
Concen: 47.379 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 50 Resp: 109481

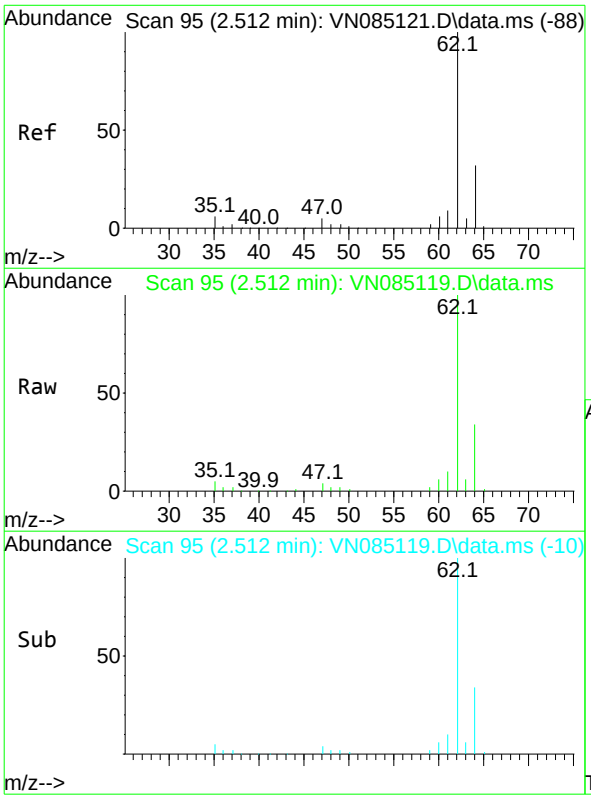
Ion	Ratio	Lower	Upper
50	100		
52	32.6	25.0	37.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

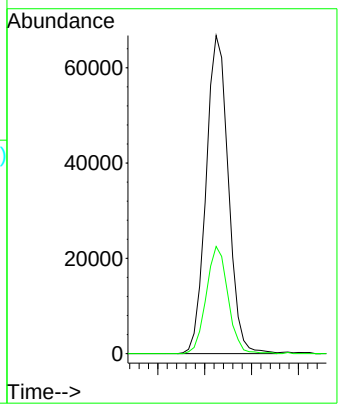
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

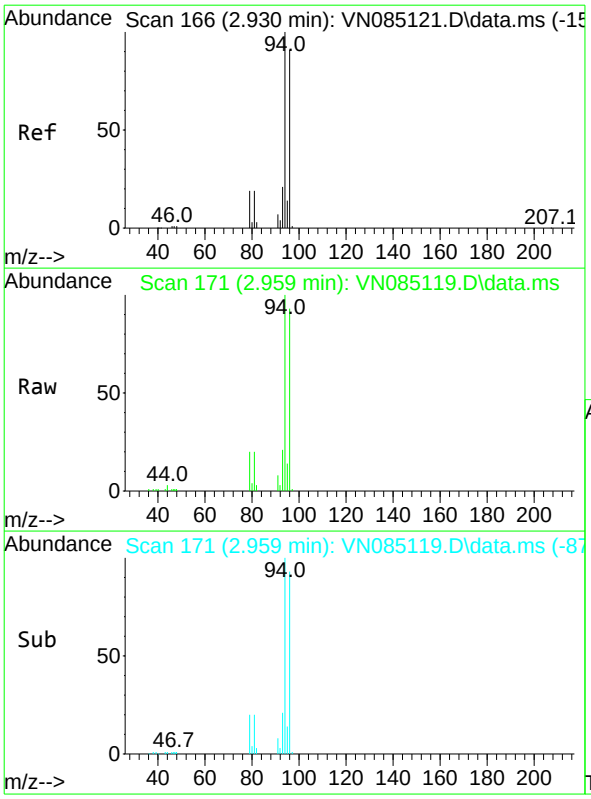


#4
Vinyl Chloride
Concen: 46.620 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 62 Resp: 110184

Ion	Ratio	Lower	Upper
62	100		
64	33.7	24.9	37.3

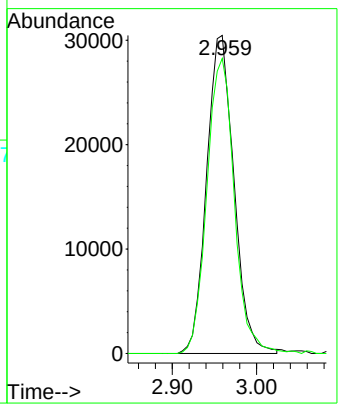




#5
Bromomethane
Concen: 45.702 ug/l
RT: 2.959 min Scan# 17
Delta R.T. -0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 94 Resp: 68578

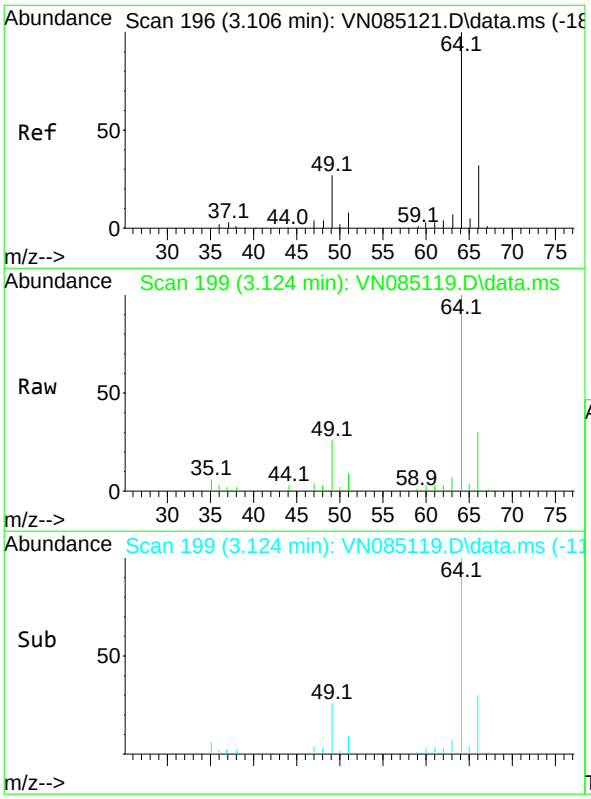
Ion	Ratio	Lower	Upper
94	100		
96	92.8	76.2	114.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

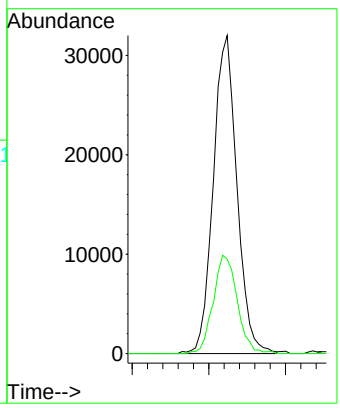
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

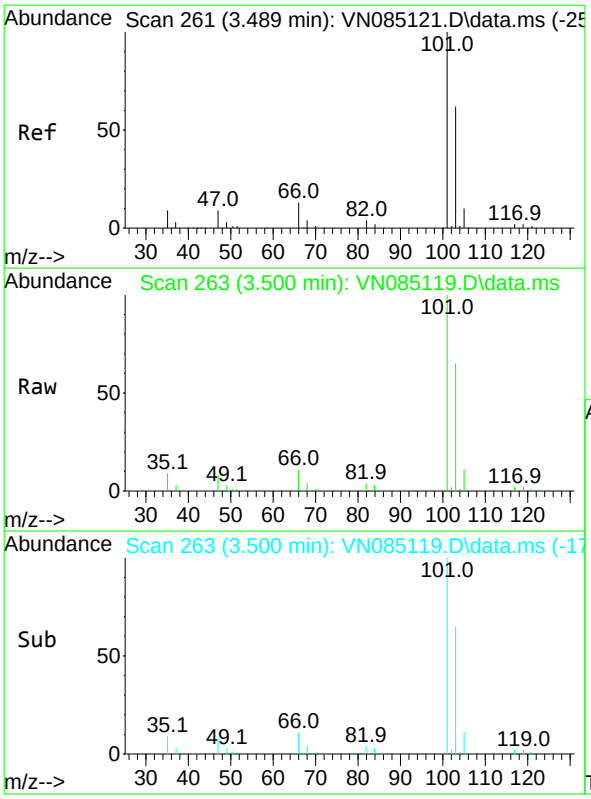


#6
Chloroethane
Concen: 47.145 ug/l
RT: 3.124 min Scan# 199
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 64 Resp: 68457

Ion	Ratio	Lower	Upper
64	100		
66	29.7	25.5	38.3

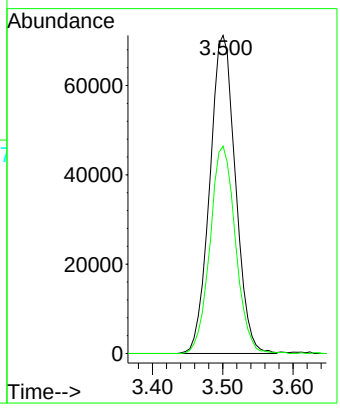




#7
Trichlorofluoromethane
Concen: 46.691 ug/l
RT: 3.500 min Scan# 26
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:101 Resp: 180635

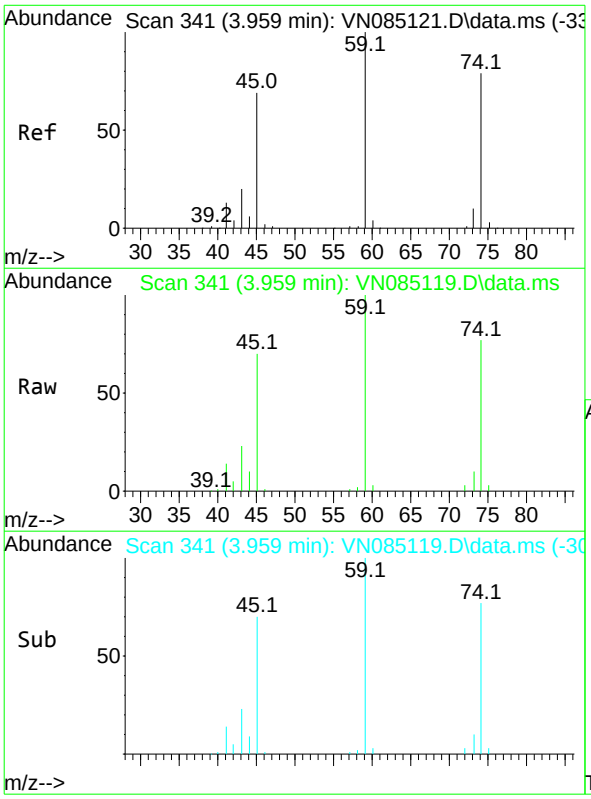
Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.3	76.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

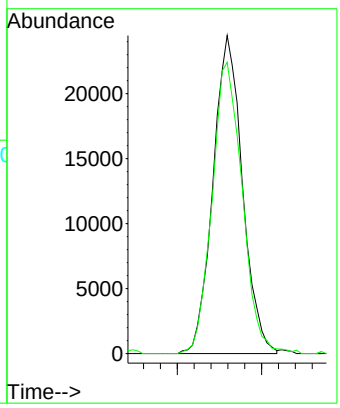
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

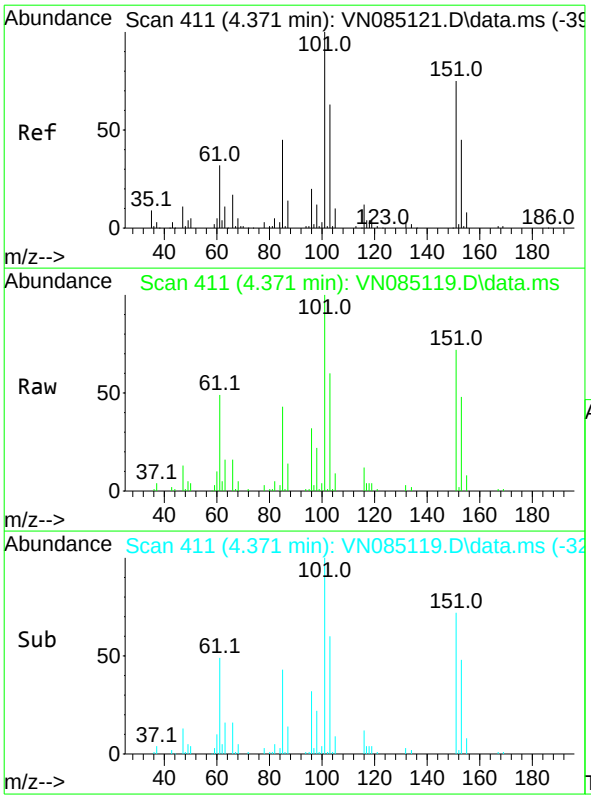


#8
Diethyl Ether
Concen: 48.393 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 74 Resp: 59301

Ion	Ratio	Lower	Upper
74	100		
45	93.5	18.6	167.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.768 ug/l
RT: 4.371 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

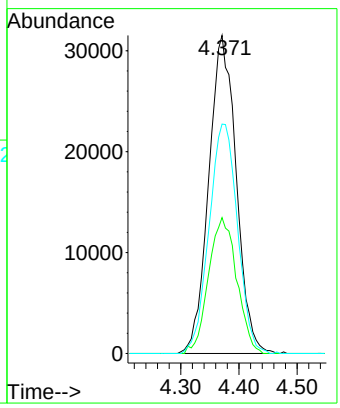
Tgt Ion:101 Resp: 103346

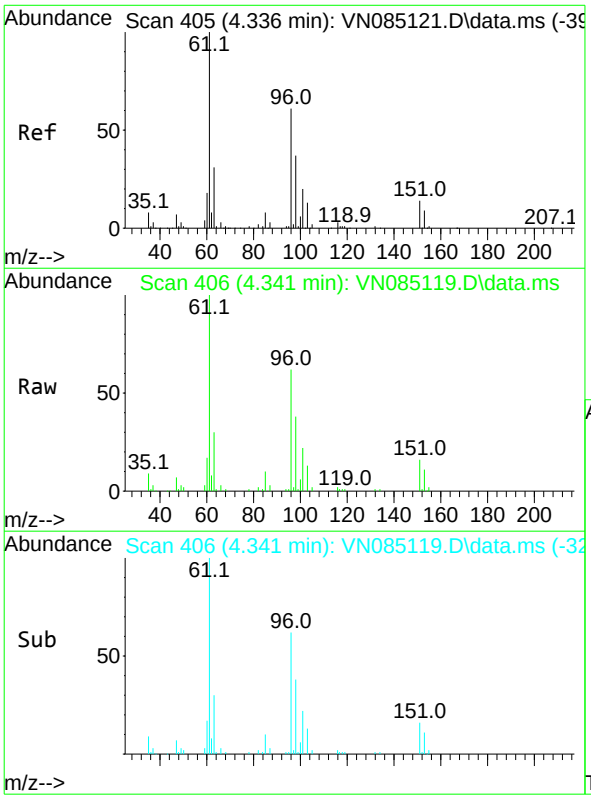
Ion	Ratio	Lower	Upper
101	100		
85	43.9	0.0	88.6
151	74.8	0.0	155.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

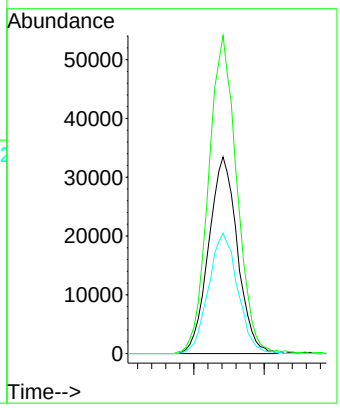


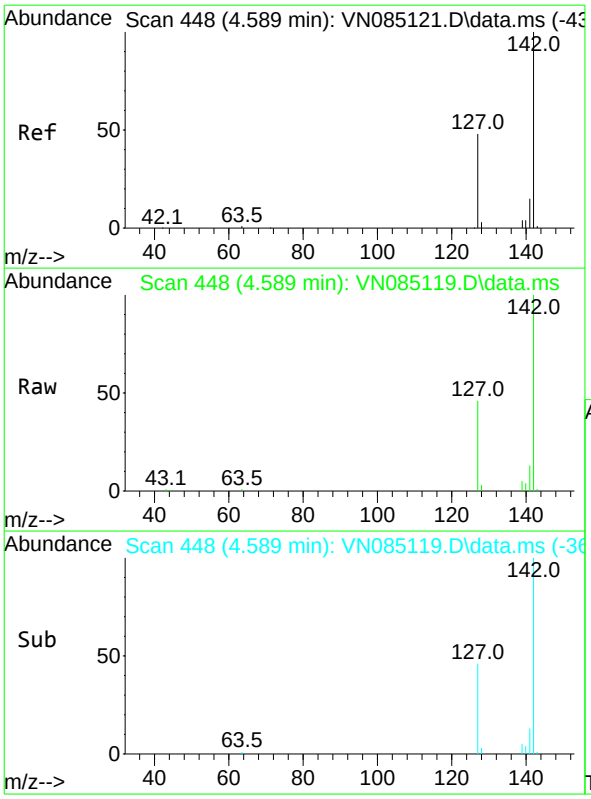


#10
1,1-Dichloroethene
Concen: 47.699 ug/l
RT: 4.341 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 96 Resp: 94788

Ion	Ratio	Lower	Upper
96	100		
61	160.9	123.0	184.4
98	61.2	49.1	73.7

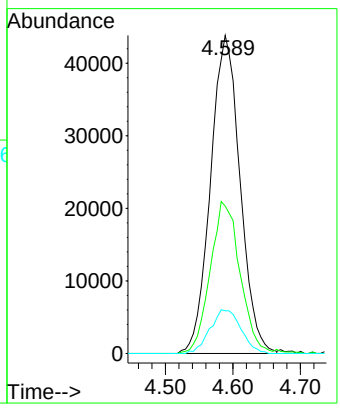




#11
Methyl Iodide
Concen: 48.346 ug/l
RT: 4.589 min Scan# 44
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:142 Resp: 133247

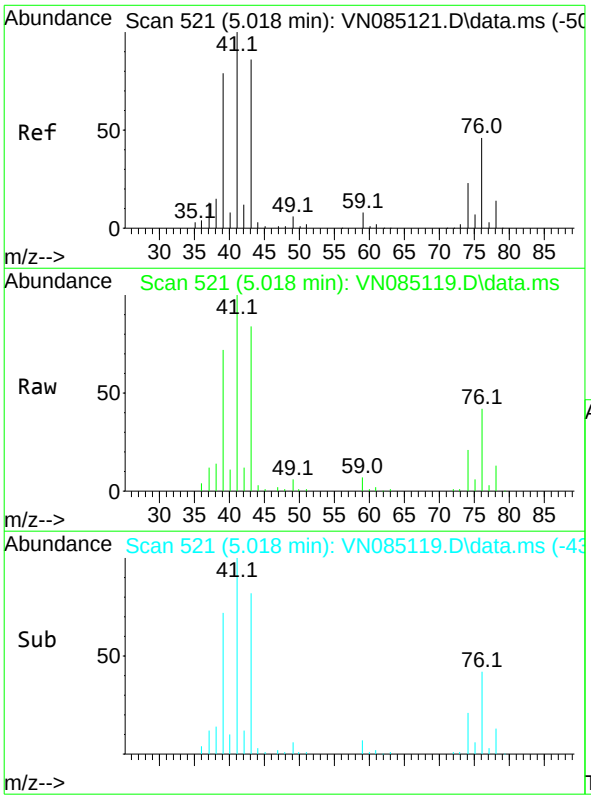
Ion	Ratio	Lower	Upper
142	100		
127	45.9	22.5	67.5
141	13.5	8.3	24.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

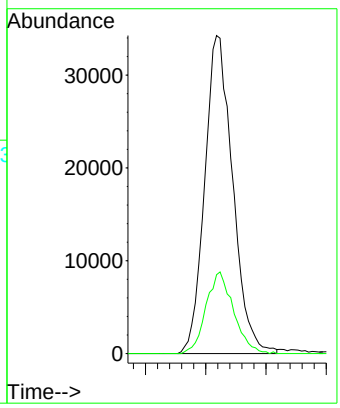
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

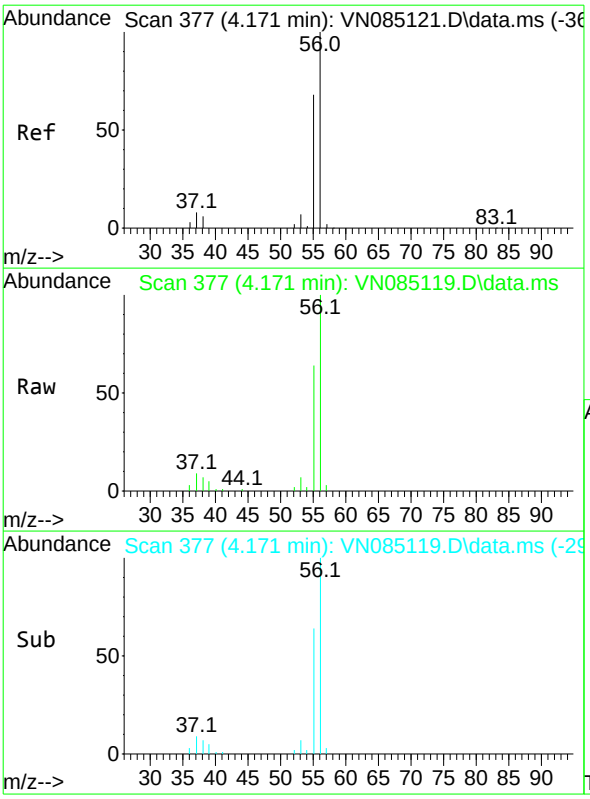


#12
Methyl Acetate
Concen: 47.166 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 43 Resp: 110575

Ion	Ratio	Lower	Upper
43	100		
74	25.0	19.8	29.6

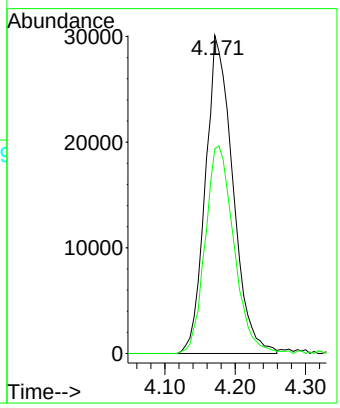




#13
Acrolein
Concen: 238.946 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.012 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 56 Resp: 81406

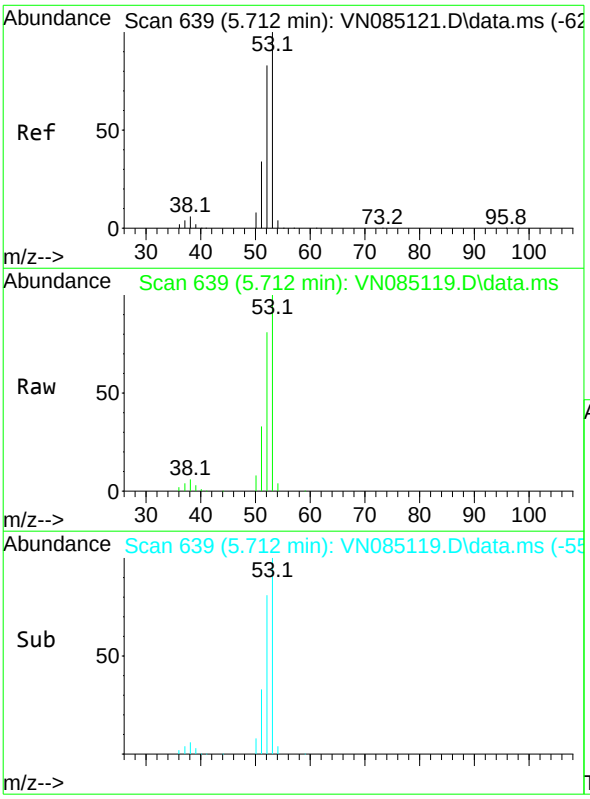
Ion	Ratio	Lower	Upper
56	100		
55	68.3	59.4	89.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

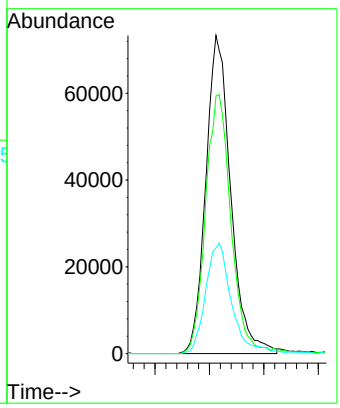
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

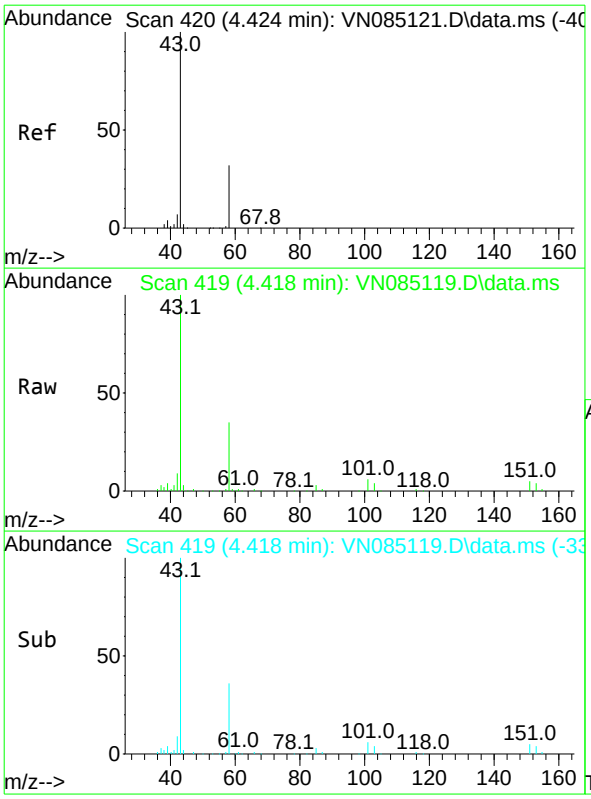


#14
Acrylonitrile
Concen: 239.739 ug/l
RT: 5.712 min Scan# 639
Delta R.T. -0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 53 Resp: 233375

Ion	Ratio	Lower	Upper
53	100		
52	82.5	42.9	128.5
51	36.1	17.2	51.5

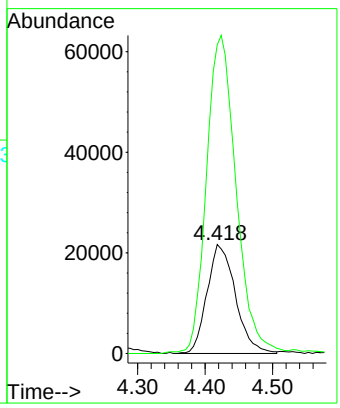




#15
Acetone
Concen: 240.283 ug/l
RT: 4.418 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 58 Resp: 63386

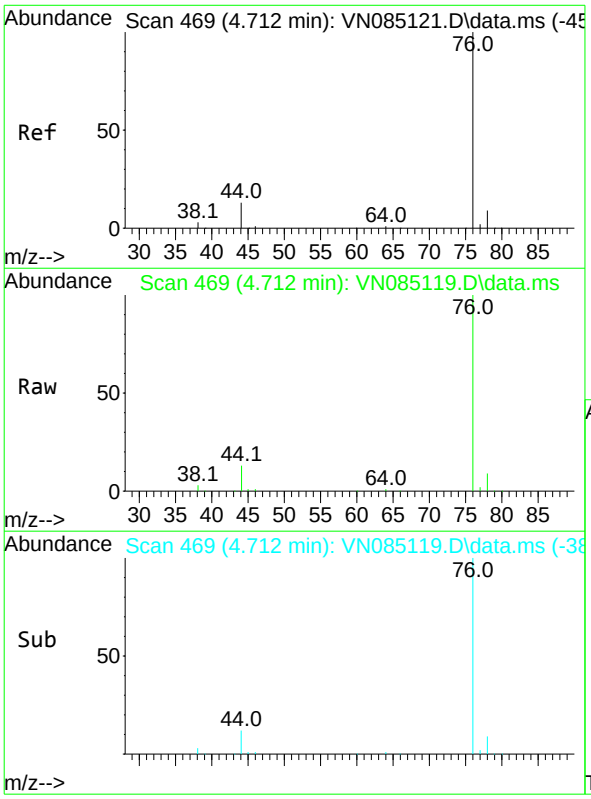
Ion	Ratio	Lower	Upper
58	100		
43	281.8	242.3	363.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

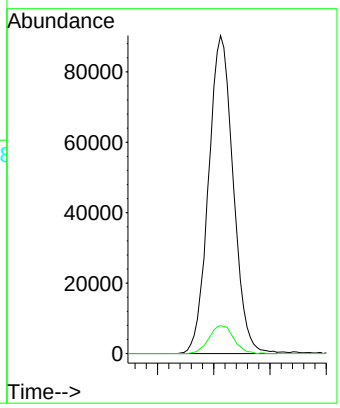
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

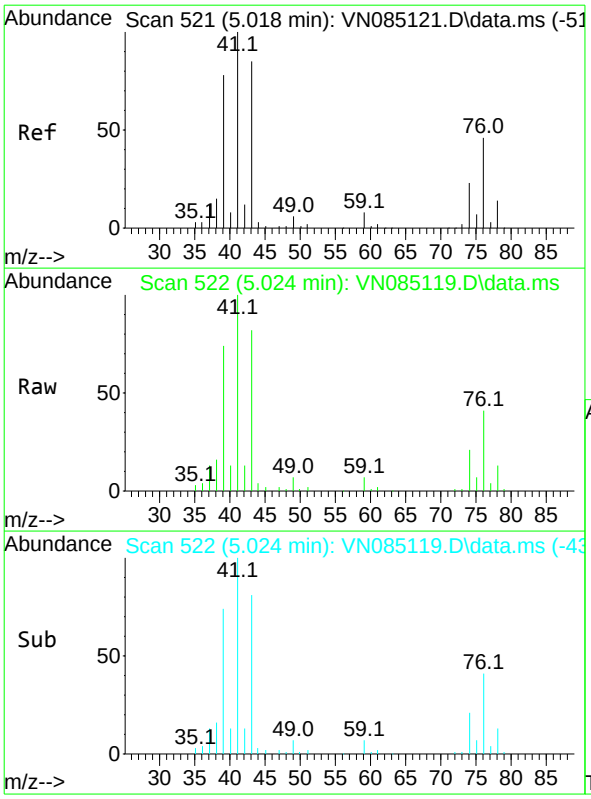


#16
Carbon Disulfide
Concen: 46.345 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 76 Resp: 275285

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

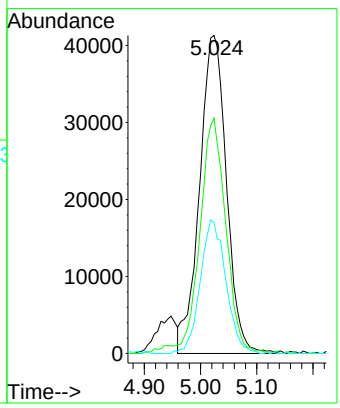




#17
Allyl chloride
Concen: 48.333 ug/l
RT: 5.024 min Scan# 52
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 41 Resp: 137437

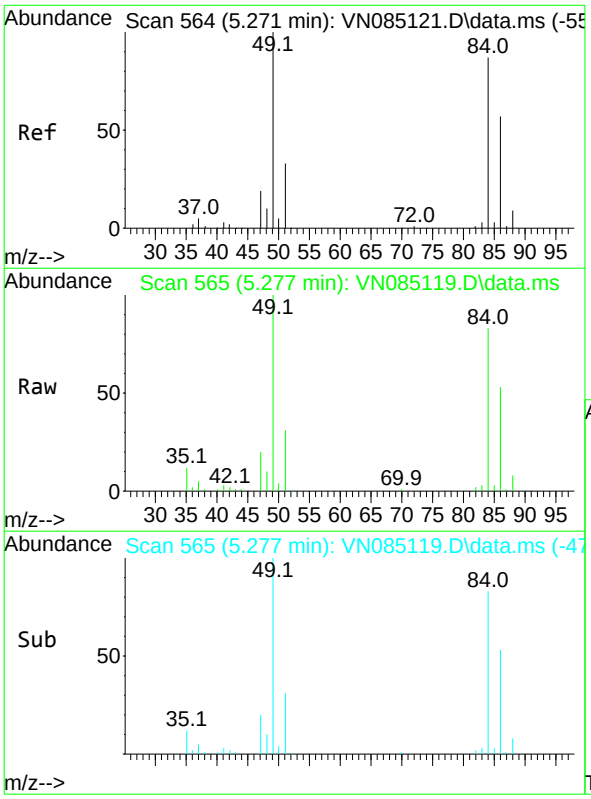
Ion	Ratio	Lower	Upper
41	100		
39	73.5	32.0	96.2
76	41.3	20.2	60.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

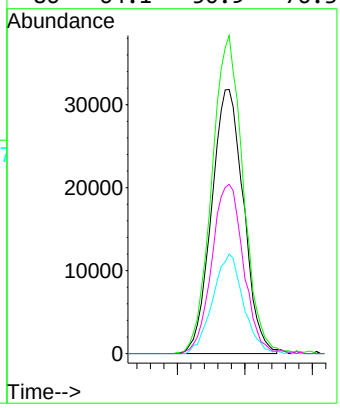
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

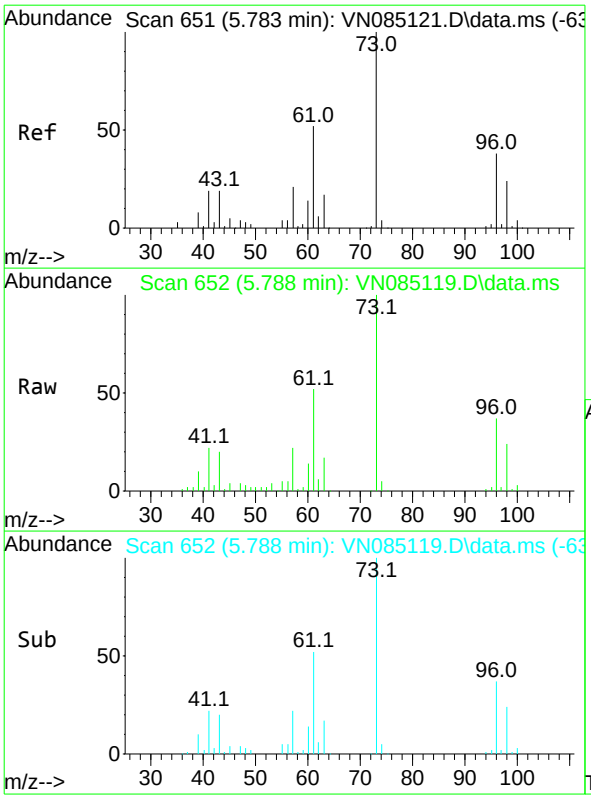


#18
Methylene Chloride
Concen: 46.488 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 84 Resp: 104822

Ion	Ratio	Lower	Upper
84	100		
49	119.9	95.1	142.7
51	37.7	27.4	41.0
86	64.1	50.9	76.3

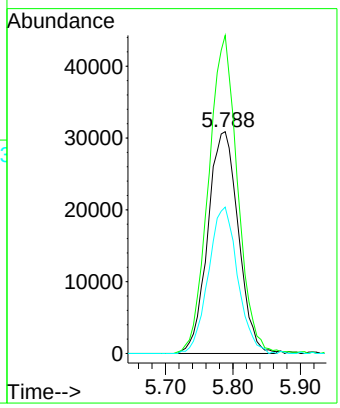




#19
trans-1,2-Dichloroethene
Concen: 46.913 ug/l
RT: 5.788 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 96 Resp: 96901

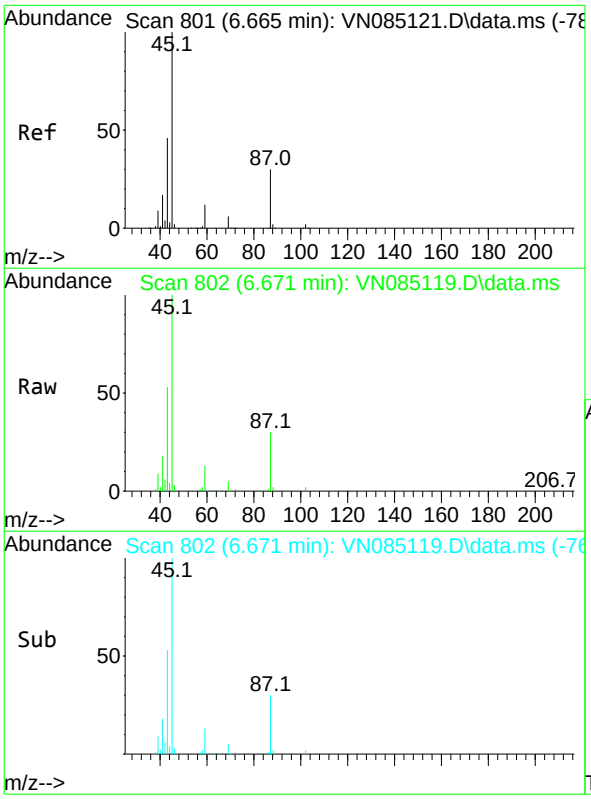
Ion	Ratio	Lower	Upper
96	100		
61	142.7	100.4	150.6
98	66.0	52.6	79.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

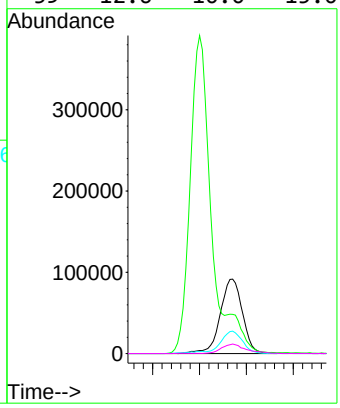
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

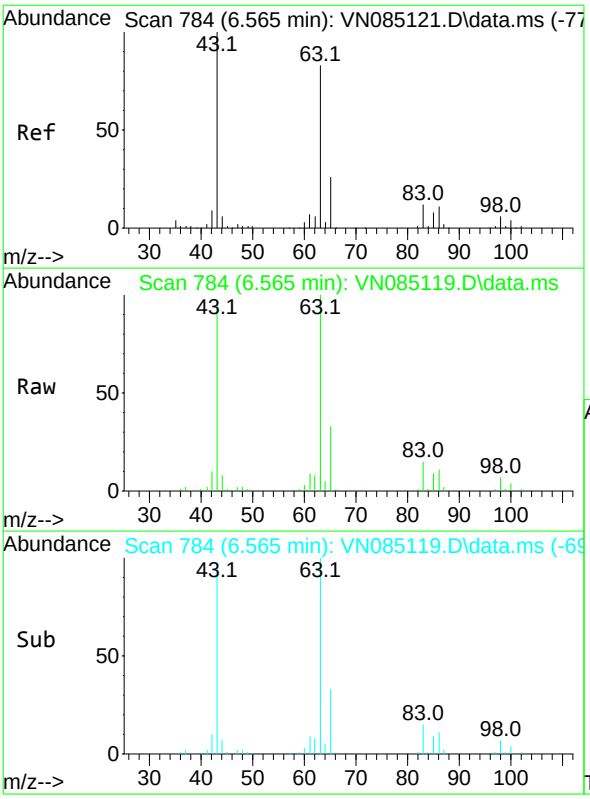


#20
Diisopropyl ether
Concen: 48.342 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 45 Resp: 301677

Ion	Ratio	Lower	Upper
45	100		
43	51.8	41.9	62.9
87	30.1	24.1	36.1
59	12.6	10.0	15.0

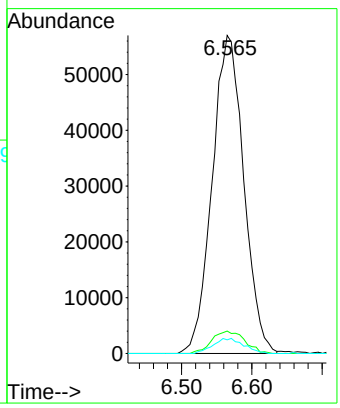




#21
1,1-Dichloroethane
Concen: 46.165 ug/l
RT: 6.565 min Scan# 78
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 63 Resp: 177808

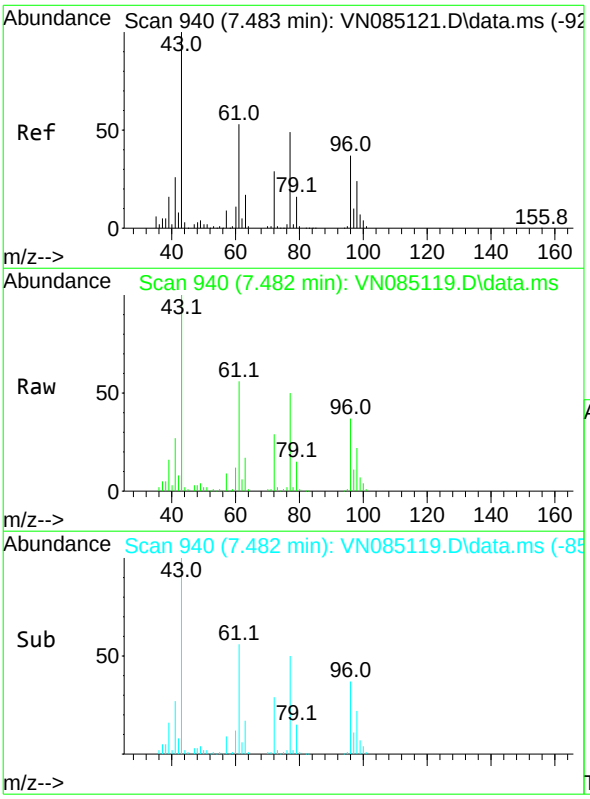
Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.4
100	4.3	1.6	4.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

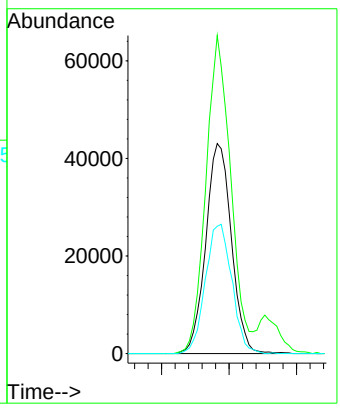
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

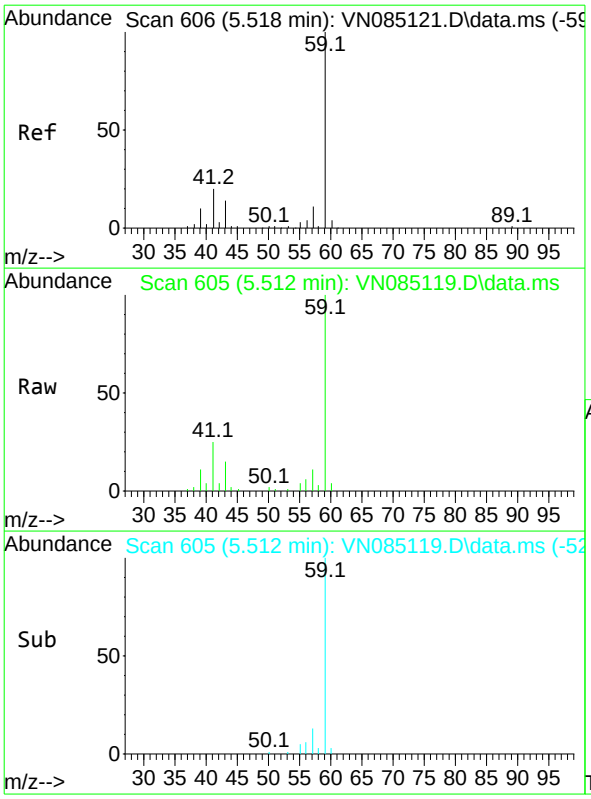


#22
cis-1,2-Dichloroethene
Concen: 47.926 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 96 Resp: 113782

Ion	Ratio	Lower	Upper
96	100		
61	146.6	115.9	173.9
98	63.4	51.8	77.8

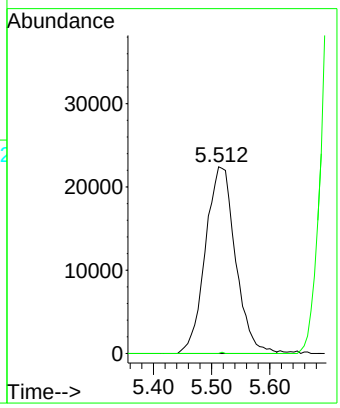




#23
tert-Butyl Alcohol
Concen: 230.265 ug/l
RT: 5.512 min Scan# 60
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 59 Resp: 80412

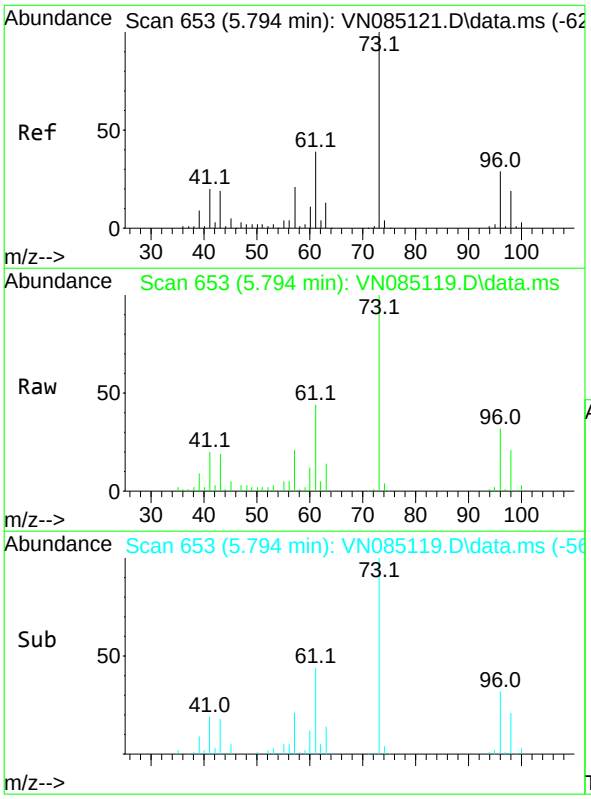
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

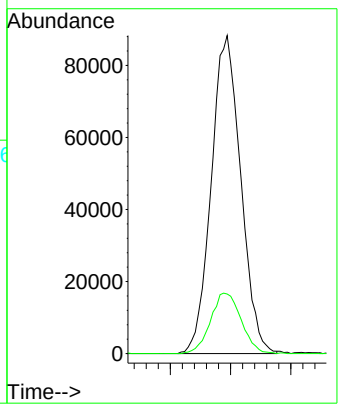
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

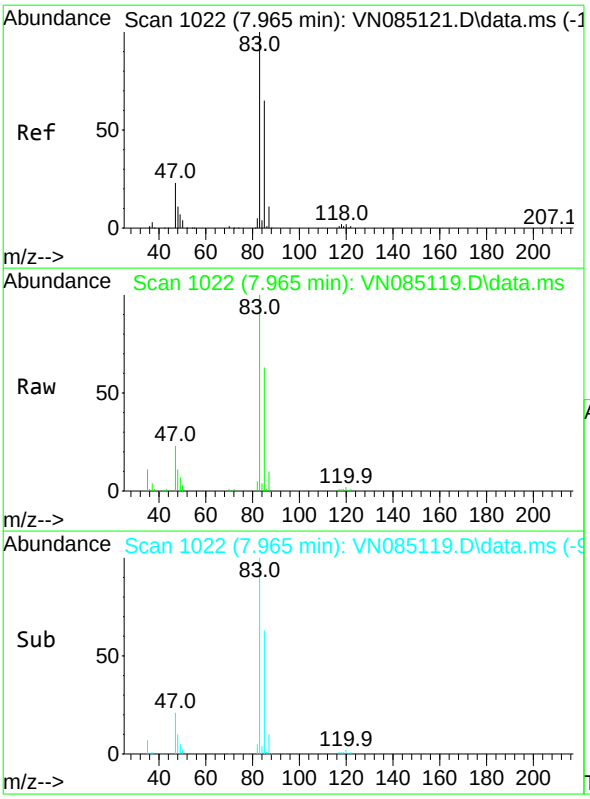


#24
Methyl tert-Butyl Ether
Concen: 48.425 ug/l
RT: 5.794 min Scan# 653
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 73 Resp: 300411

Ion	Ratio	Lower	Upper
73	100		
43	19.7	8.7	13.1#

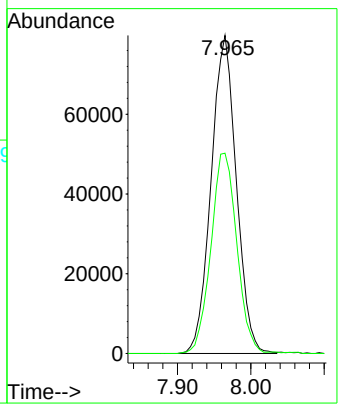




#25
Chloroform
Concen: 47.279 ug/l
RT: 7.965 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 83 Resp: 190773

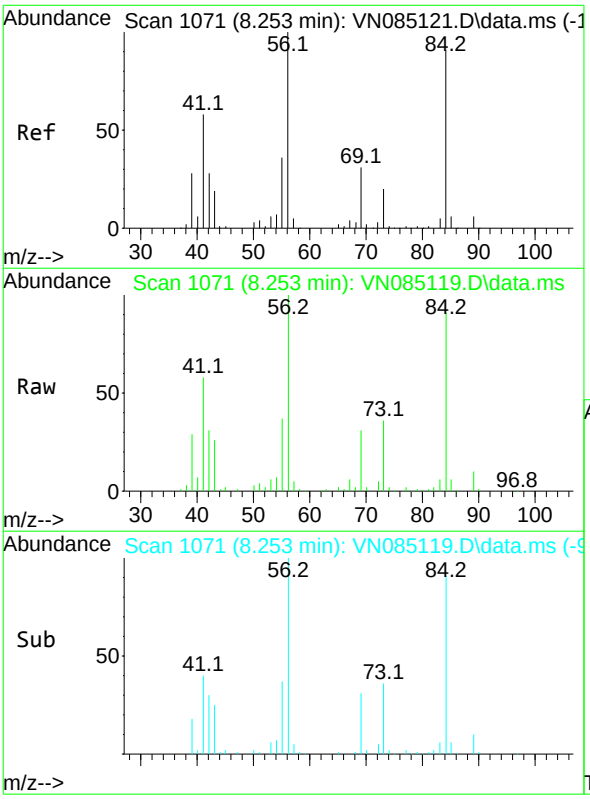
Ion	Ratio	Lower	Upper
83	100		
85	63.0	49.4	74.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

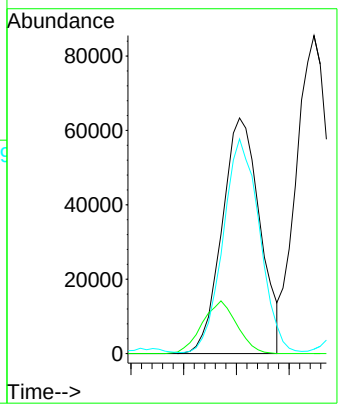
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

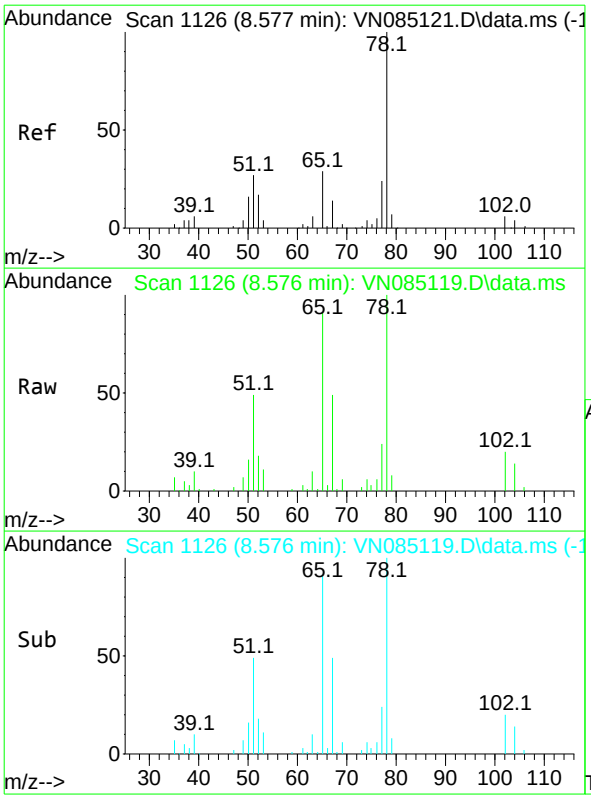


#26
Cyclohexane
Concen: 49.989 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 56 Resp: 158534

Ion	Ratio	Lower	Upper
56	100		
89	20.5	19.5	29.3
84	88.2	70.6	105.8

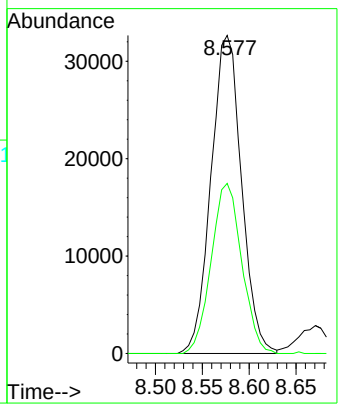




#27
1,2-Dichloroethane-d4
Concen: 28.523 ug/l
RT: 8.576 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 65 Resp: 73850

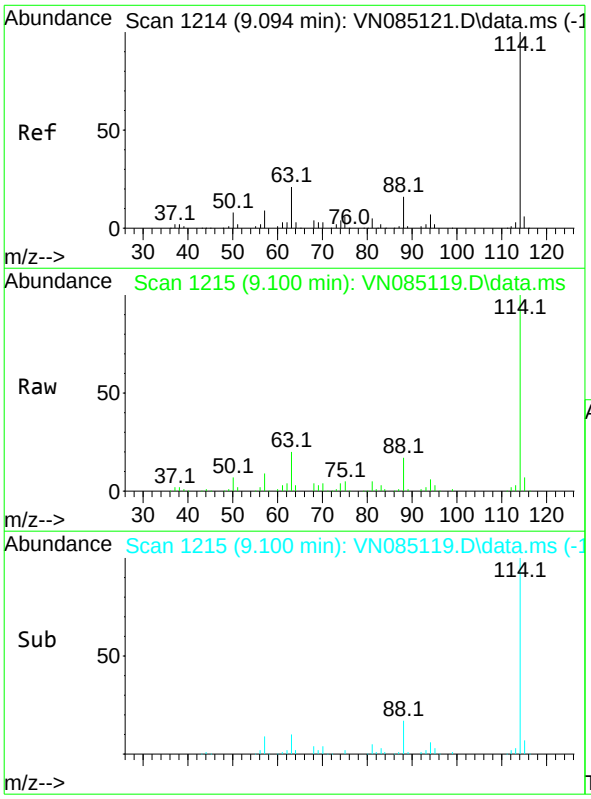
Ion	Ratio	Lower	Upper
65	100		
67	53.5	39.9	59.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

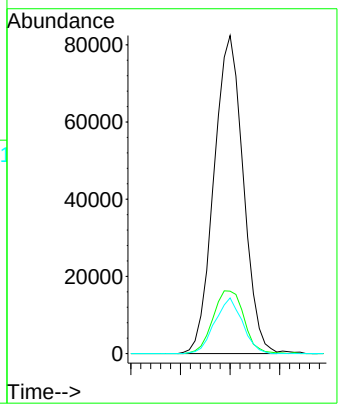
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

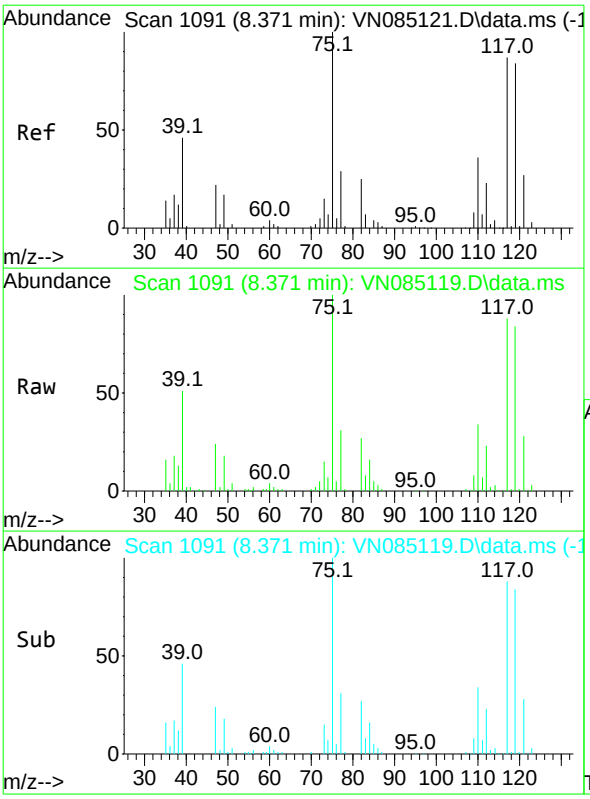


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:114 Resp: 169083

Ion	Ratio	Lower	Upper
114	100		
63	20.9	16.2	24.2
88	16.4	12.5	18.7

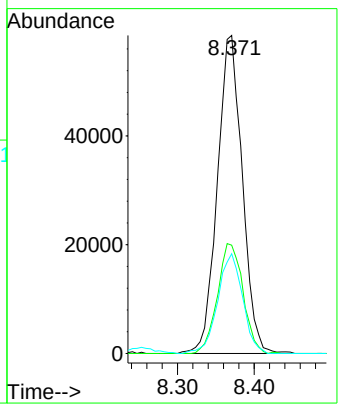




#29
1,1-Dichloropropene
Concen: 48.360 ug/l
RT: 8.371 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 75 Resp: 131946

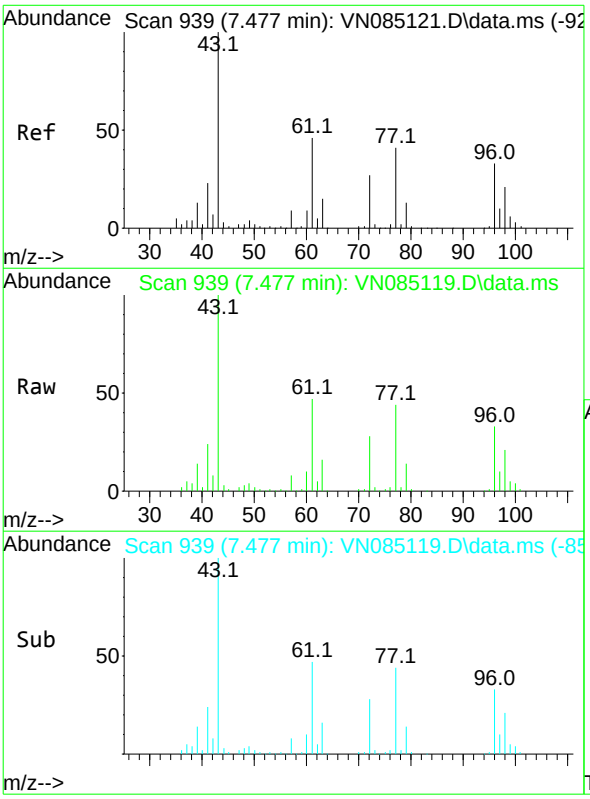
Ion	Ratio	Lower	Upper
75	100		
110	35.3	0.0	71.6
77	31.4	0.0	62.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

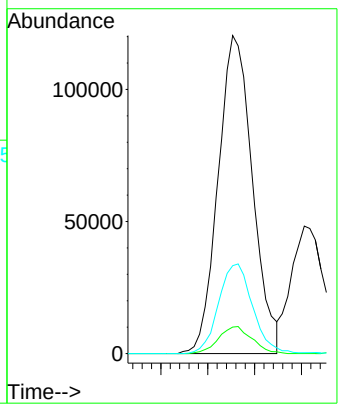
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

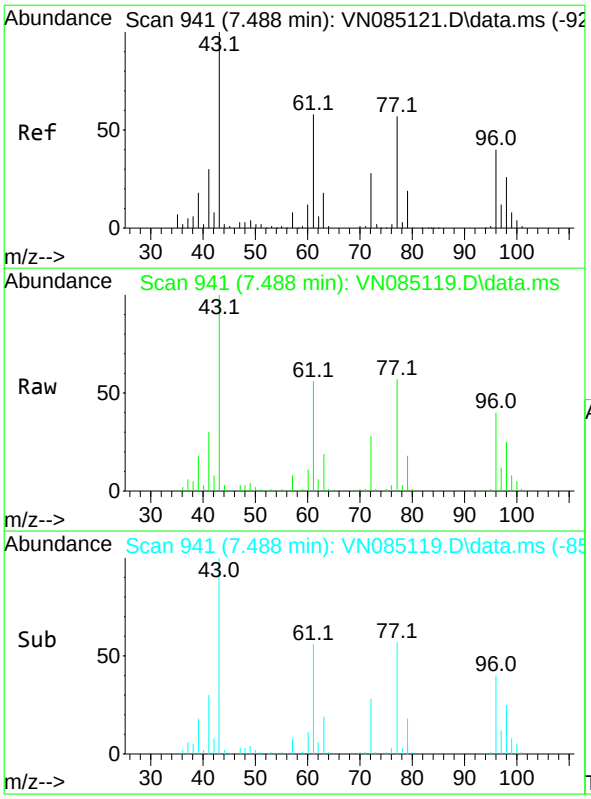


#30
2-Butanone
Concen: 245.653 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 43 Resp: 307572

Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.9	10.3
72	27.8	21.8	32.8

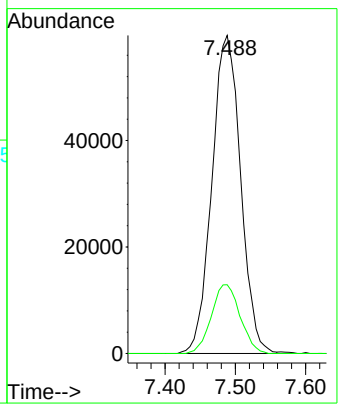




#31
2,2-Dichloropropane
Concen: 48.478 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 77 Resp: 169610

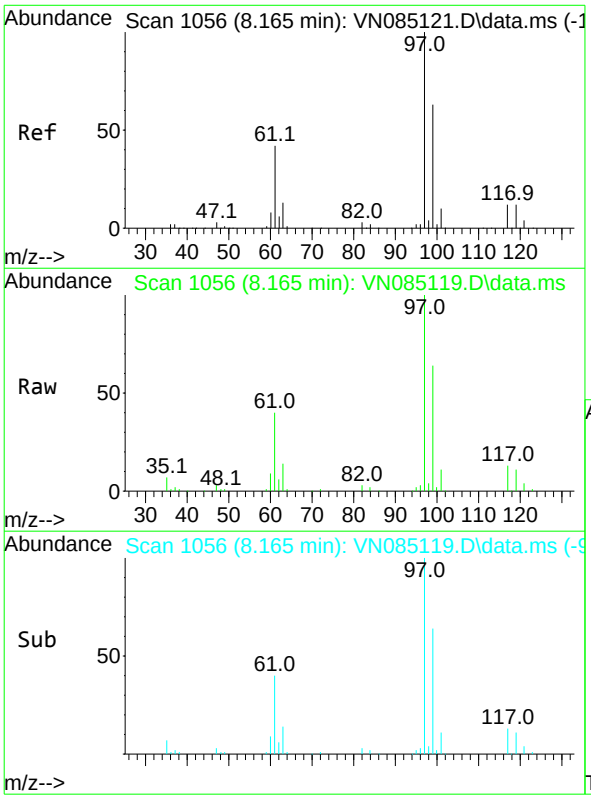
Ion	Ratio	Lower	Upper
77	100		
97	21.6	0.0	0.0#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

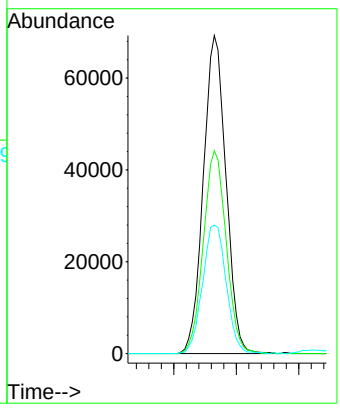
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

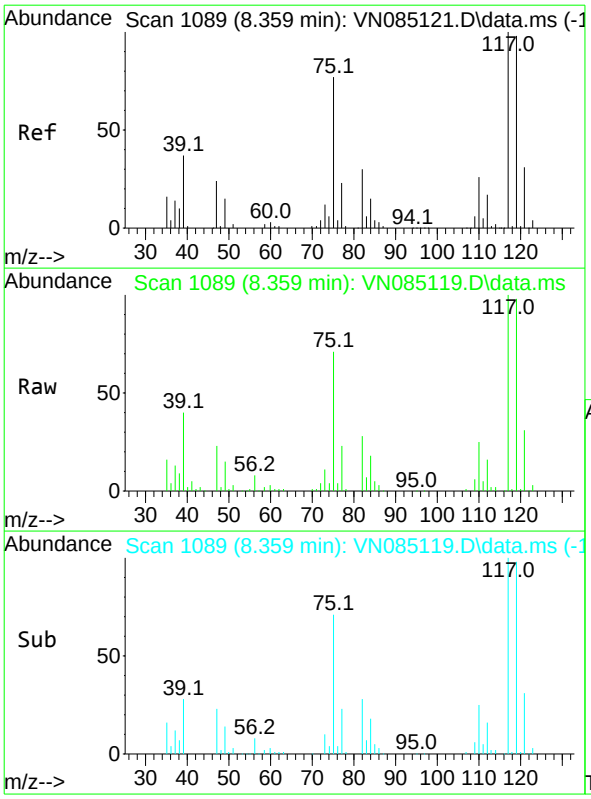


#32
1,1,1-Trichloroethane
Concen: 47.217 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 97 Resp: 174371

Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.8	76.2
61	42.0	32.7	49.1

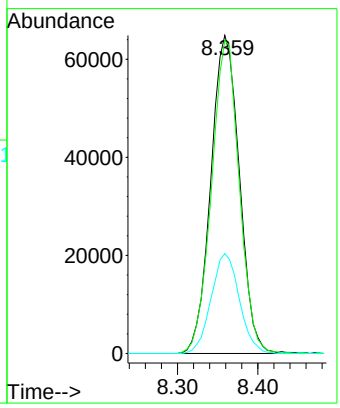




#33
Carbon Tetrachloride
Concen: 47.889 ug/l
RT: 8.359 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:117 Resp: 159586

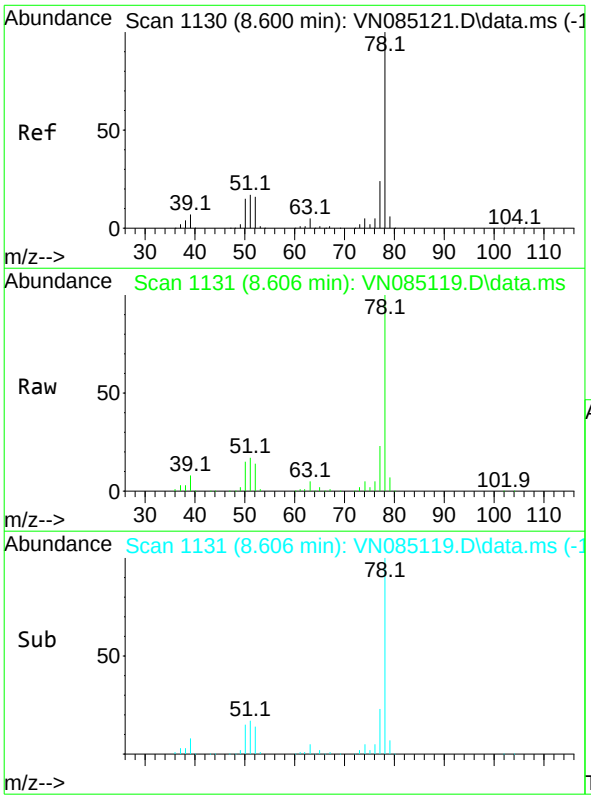
Ion	Ratio	Lower	Upper
117	100		
119	98.4	81.6	122.4
121	31.4	26.5	39.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

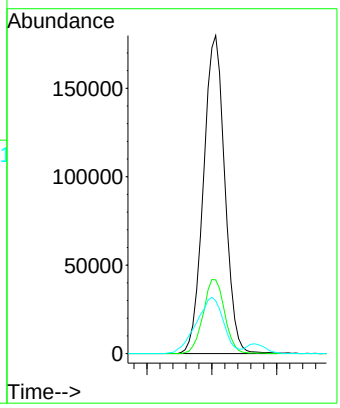
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

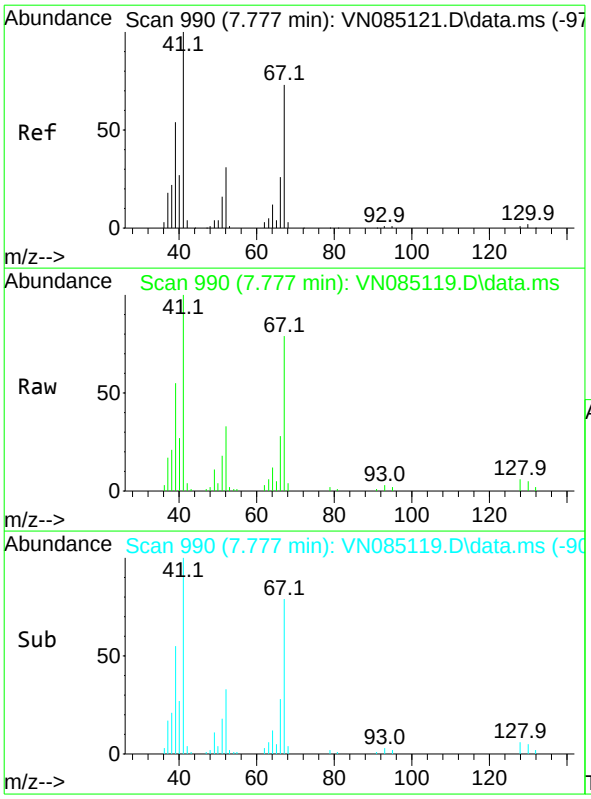


#34
Benzene
Concen: 47.855 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 78 Resp: 410169

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.0	27.0
51	16.3	12.4	18.6

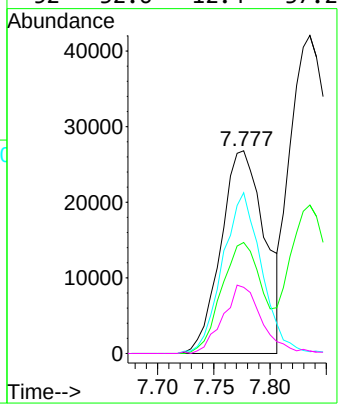




#35
Methacrylonitrile
Concen: 51.722 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 41 Resp: 72876

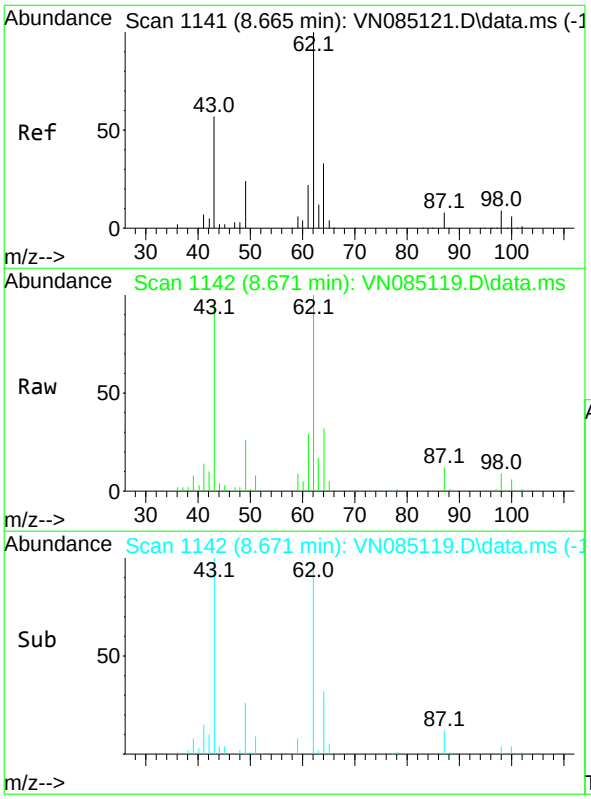
Ion	Ratio	Lower	Upper
41	100		
39	54.8	24.4	73.2
67	79.3	37.0	110.9
52	32.6	12.4	37.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

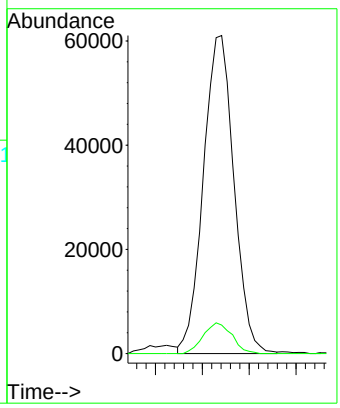
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

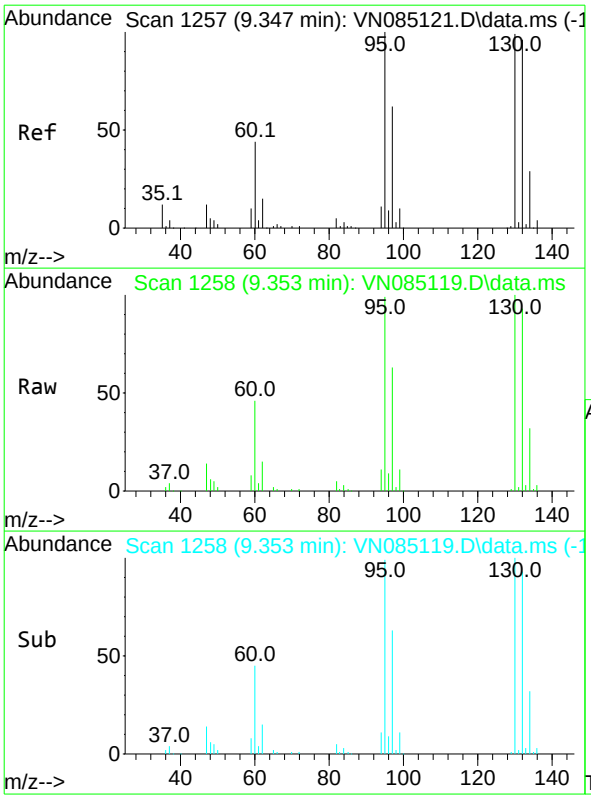


#36
1,2-Dichloroethane
Concen: 47.430 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 62 Resp: 138391

Ion	Ratio	Lower	Upper
62	100		
98	9.1	7.3	10.9

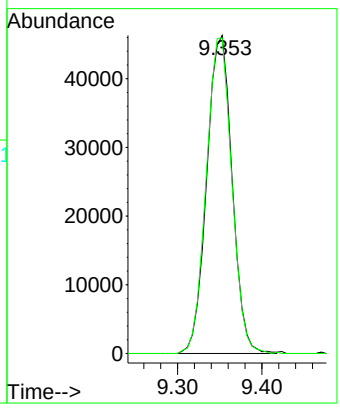




#37
Trichloroethene
Concen: 47.426 ug/l
RT: 9.353 min Scan# 12
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:130 Resp: 96801

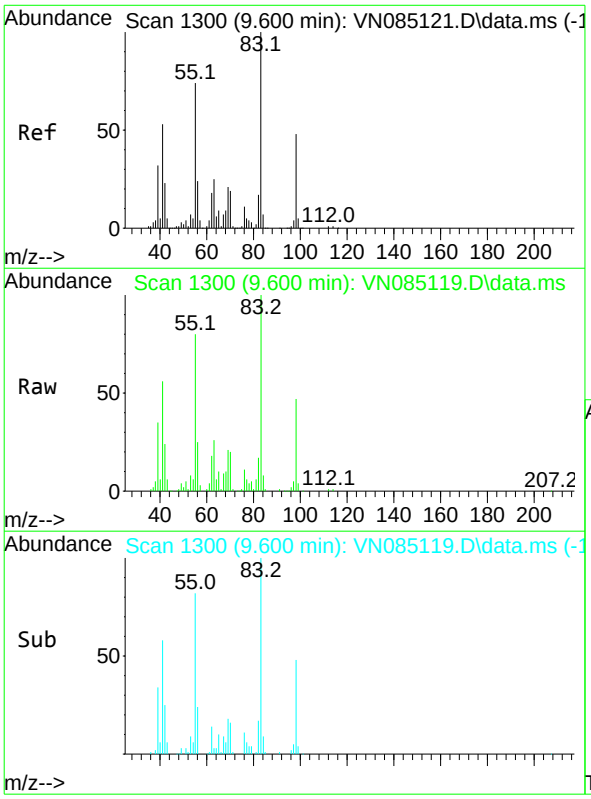
Ion	Ratio	Lower	Upper
130	100		
95	99.2	76.2	114.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

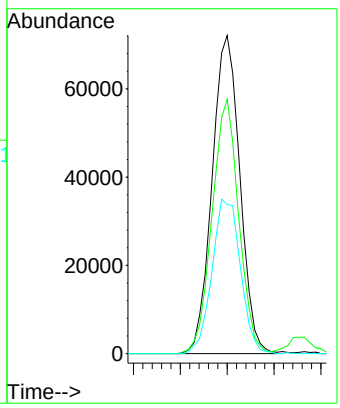
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

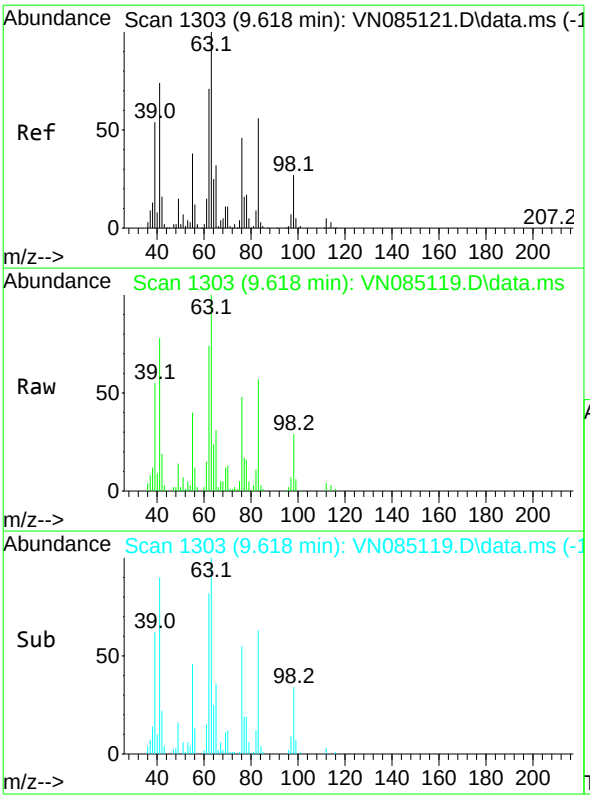


#38
Methylcyclohexane
Concen: 49.963 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 83 Resp: 148222

Ion	Ratio	Lower	Upper
83	100		
55	76.8	41.4	124.4
98	49.6	25.7	77.1

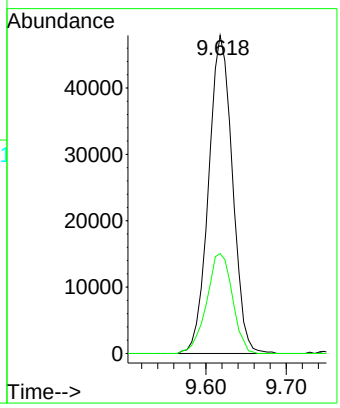




#39
1,2-Dichloropropane
Concen: 47.586 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 63 Resp: 98790

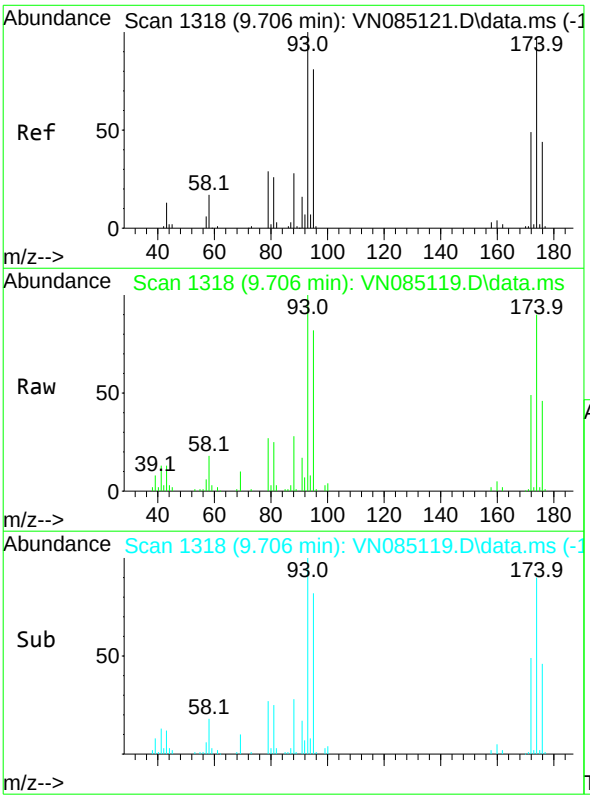
Ion	Ratio	Lower	Upper
63	100		
65	31.4	23.4	35.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
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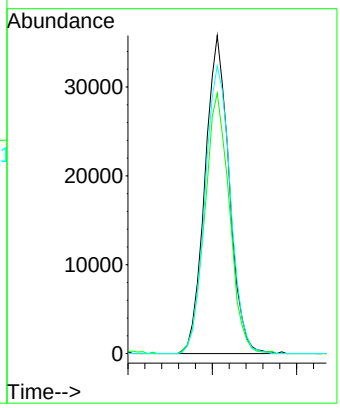
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

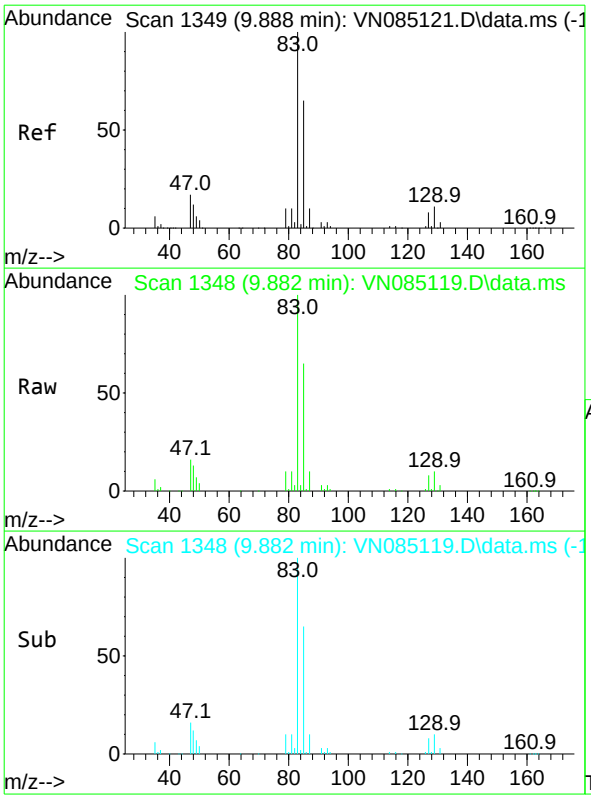


#40
Dibromomethane
Concen: 47.969 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 93 Resp: 71433

Ion	Ratio	Lower	Upper
93	100		
95	83.1	0.0	169.4
174	94.4	0.0	189.8

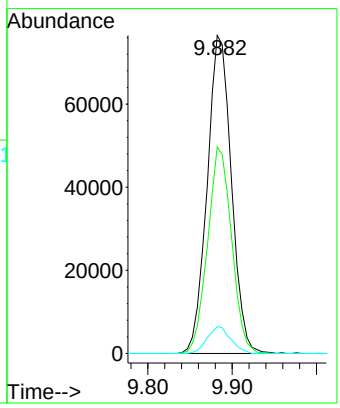




#41
Bromodichloromethane
Concen: 47.898 ug/l
RT: 9.882 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 83 Resp: 152481

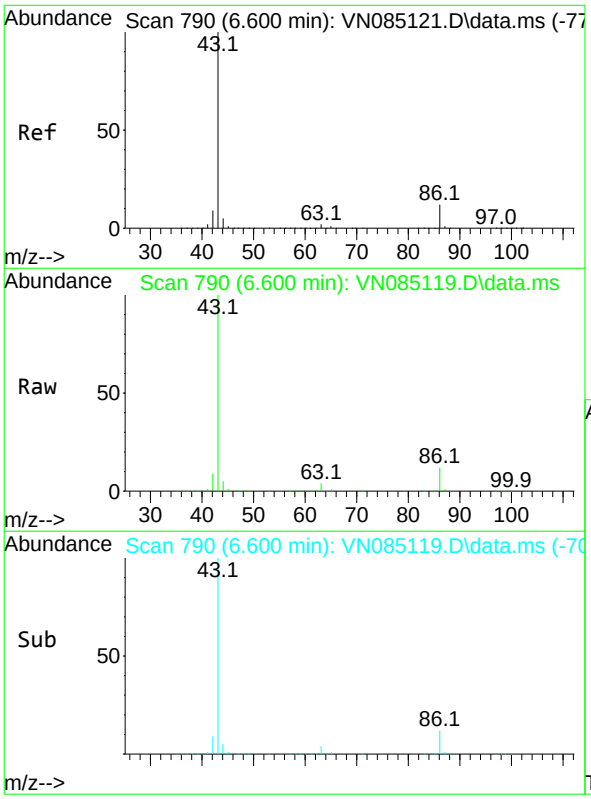
Ion	Ratio	Lower	Upper
83	100		
85	65.0	54.6	81.8
127	8.5	7.0	10.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

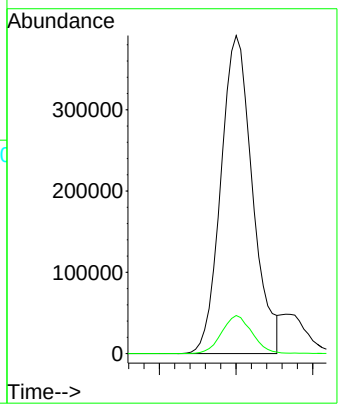
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

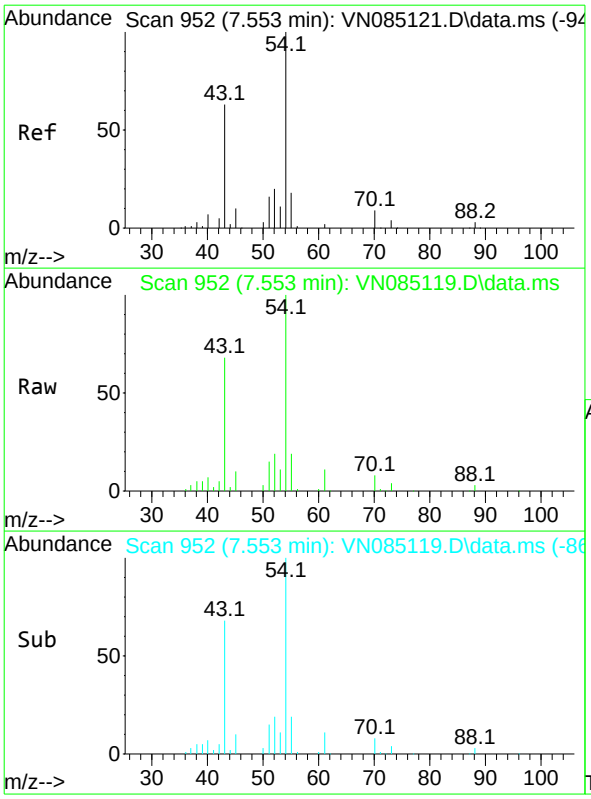


#42
Vinyl Acetate
Concen: 256.138 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 43 Resp: 1122209

Ion	Ratio	Lower	Upper
43	100		
86	11.5	9.2	13.8





#43
Ethyl Acetate
Concen: 49.844 ug/l
RT: 7.553 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

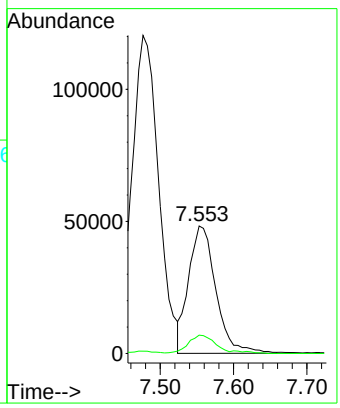
Tgt Ion: 43 Resp: 124173

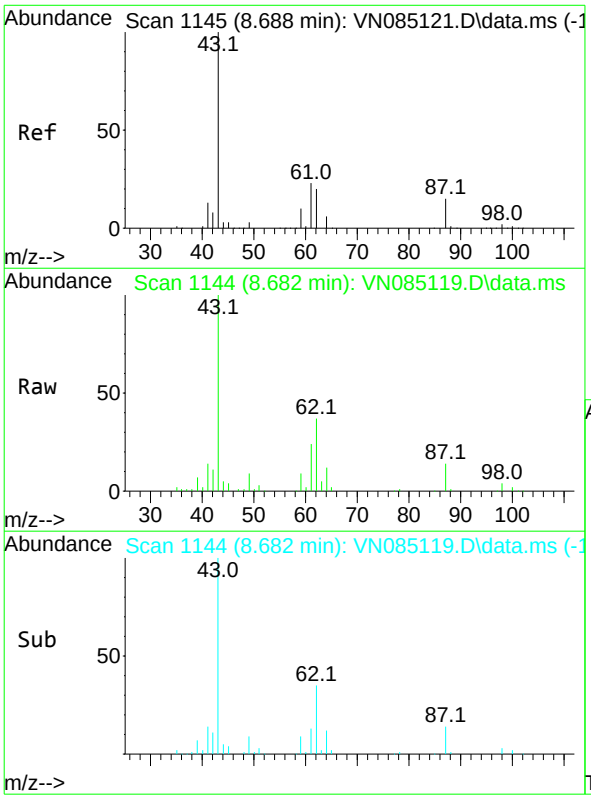
Ion	Ratio	Lower	Upper
43	100		
45	13.1	13.3	19.9#

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

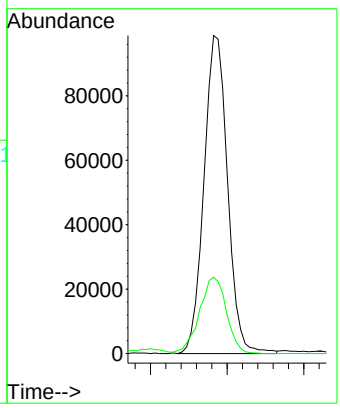


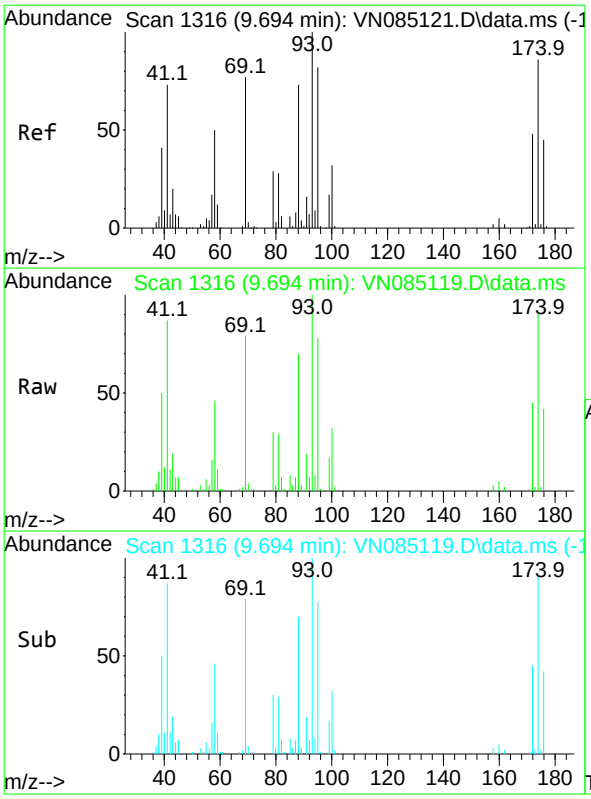


#44
Isopropyl Acetate
Concen: 48.782 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 43 Resp: 211189

Ion	Ratio	Lower	Upper
43	100		
61	27.4	21.5	32.3





#45
1,4-Dioxane
Concen: 989.420 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

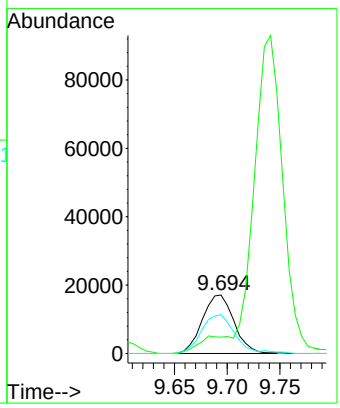
Tgt Ion: 88 Resp: 35720

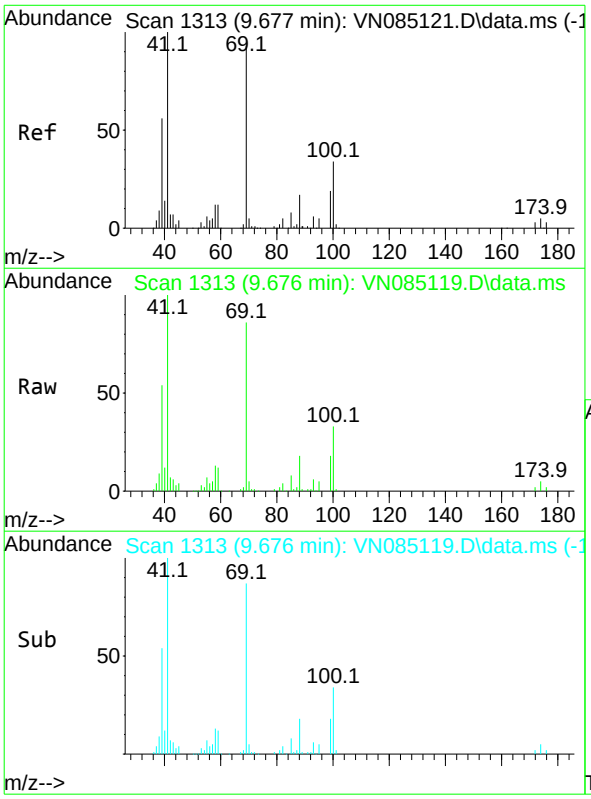
Ion	Ratio	Lower	Upper
88	100		
43	22.5	21.7	32.5
58	68.0	52.6	79.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

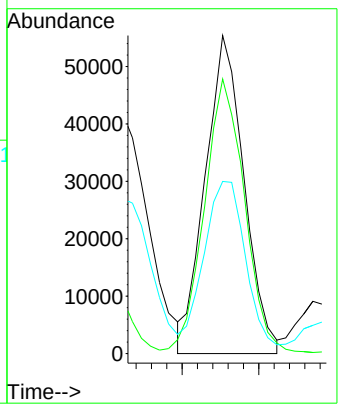


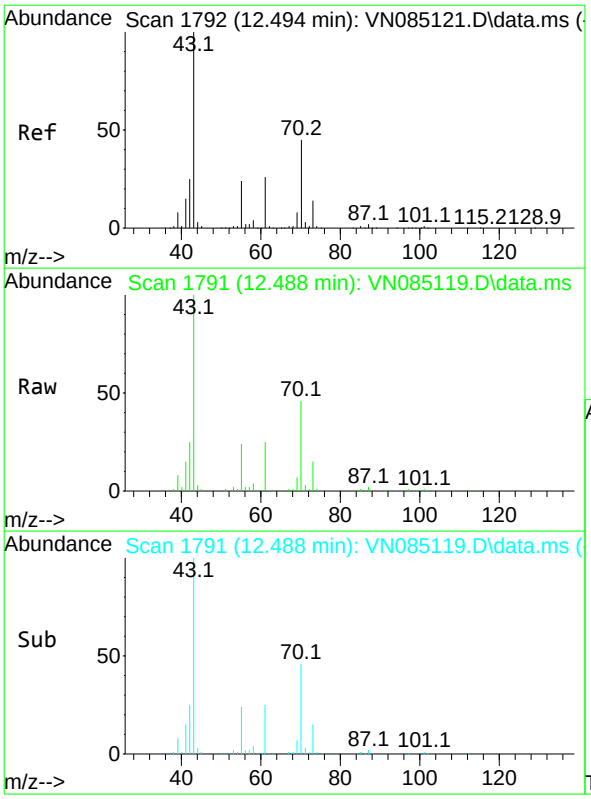


#46
Methyl methacrylate
Concen: 49.158 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 41 Resp: 97397

Ion	Ratio	Lower	Upper
41	100		
69	86.6	46.7	140.0
39	53.6	28.5	85.5

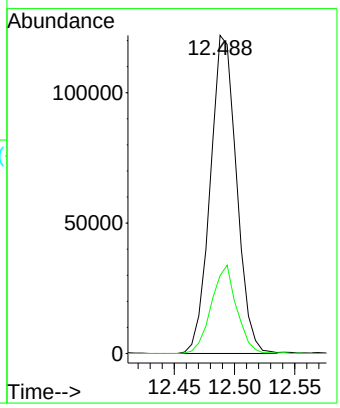




#47
n-amyl Acetate
Concen: 50.788 ug/l
RT: 12.488 min Scan# 17
Delta R.T. -0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 43 Resp: 184994

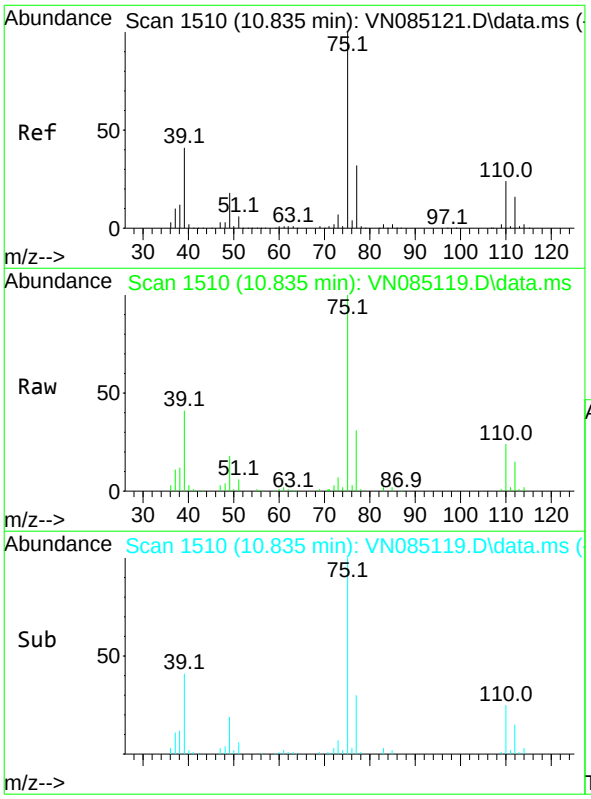
Ion	Ratio	Lower	Upper
43	100		
55	26.6	23.3	34.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

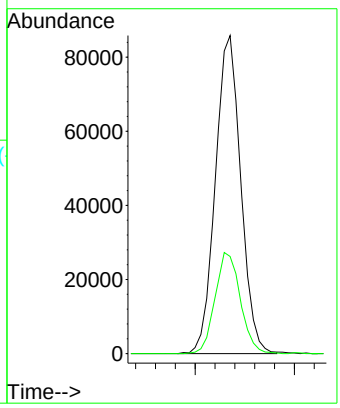
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

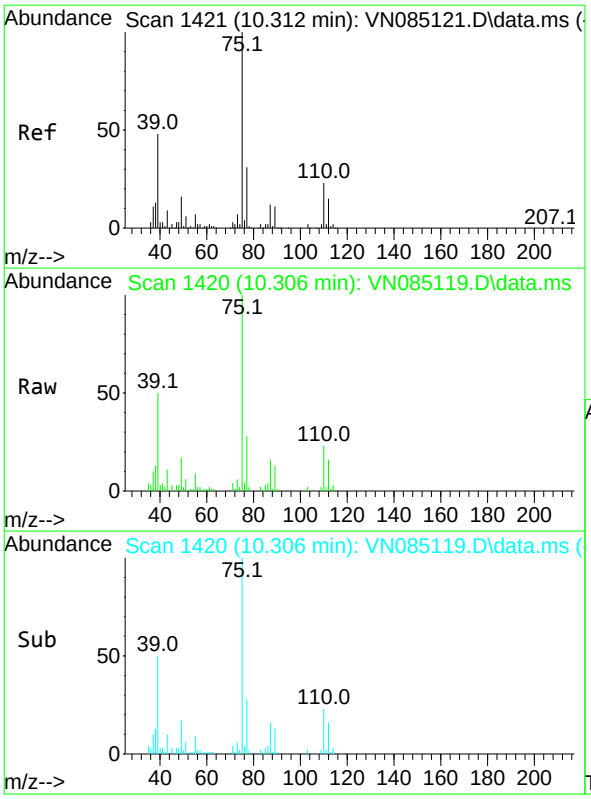


#48
t-1,3-Dichloropropene
Concen: 48.801 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 75 Resp: 152504

Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.5	38.3

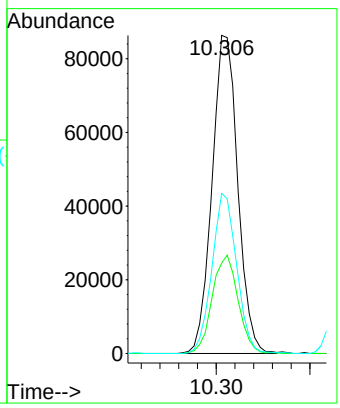




#49
cis-1,3-Dichloropropene
Concen: 48.292 ug/l
RT: 10.306 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 75 Resp: 164287

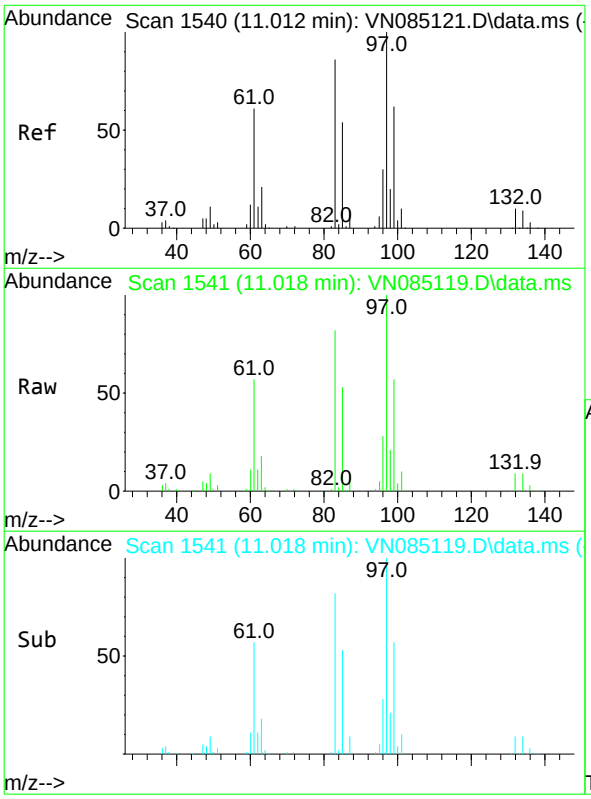
Ion	Ratio	Lower	Upper
75	100		
77	28.4	23.8	35.6
39	50.3	37.3	55.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

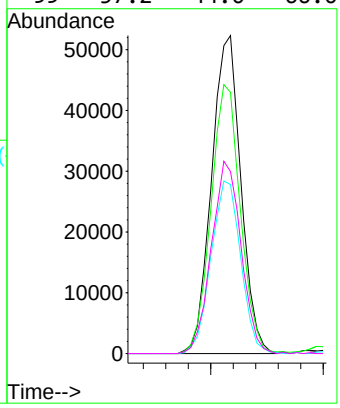
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

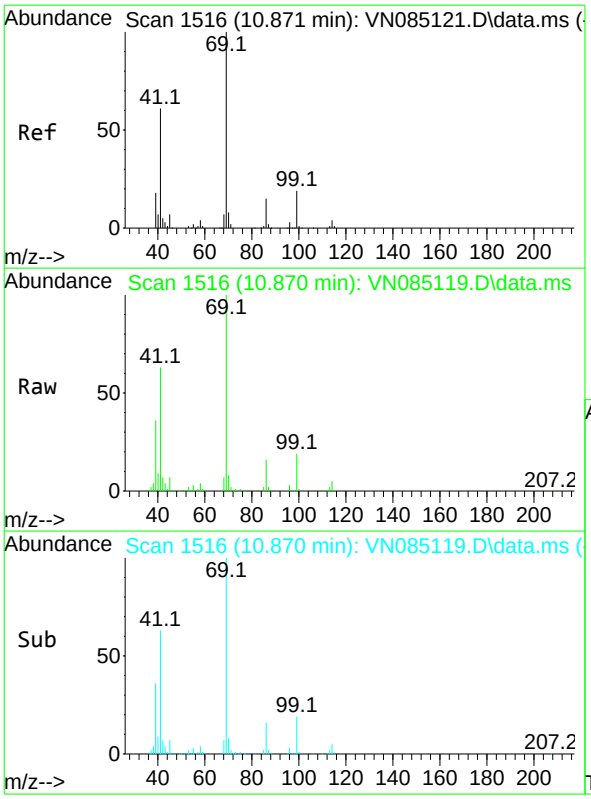


#50
1,1,2-Trichloroethane
Concen: 47.189 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 97 Resp: 94692

Ion	Ratio	Lower	Upper
97	100		
83	82.1	65.8	98.8
85	53.1	40.8	61.2
99	57.2	44.0	66.0

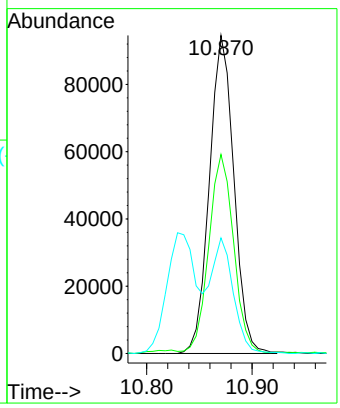




#51
Ethyl methacrylate
Concen: 50.057 ug/l
RT: 10.870 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 69 Resp: 152776

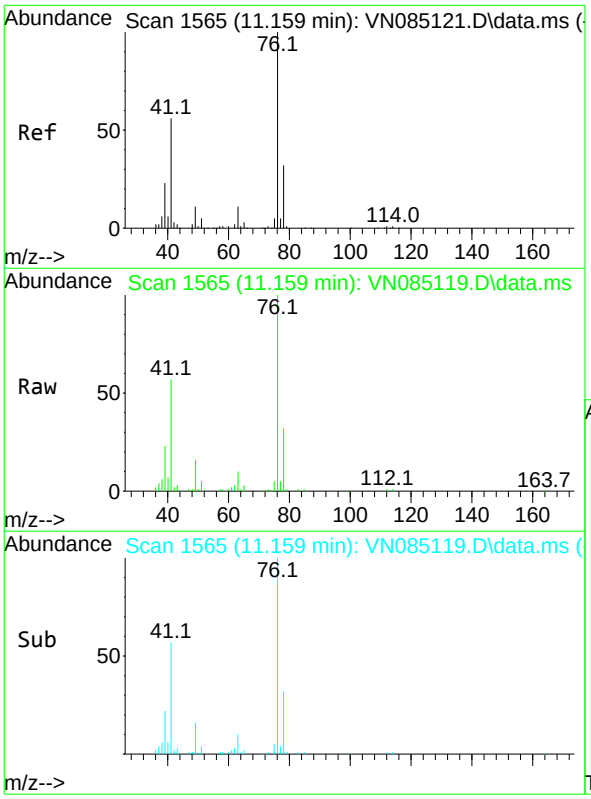
Ion	Ratio	Lower	Upper
69	100		
41	62.1	32.1	96.3
39	36.0	18.8	56.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

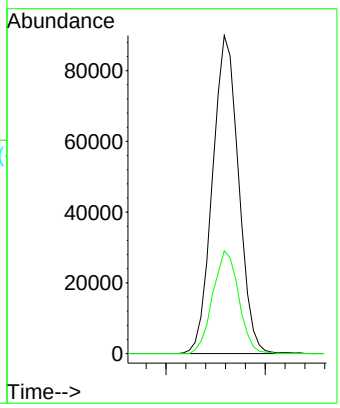
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

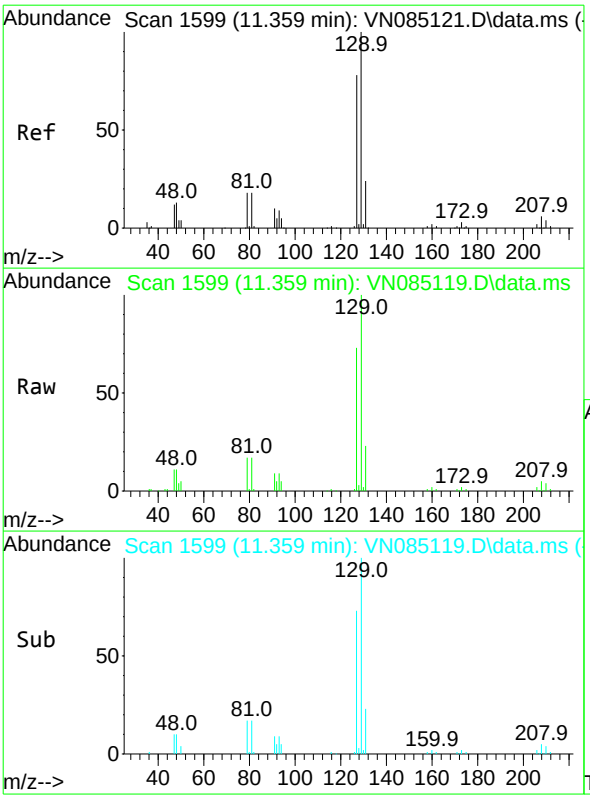


#52
1,3-Dichloropropane
Concen: 48.874 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 76 Resp: 164130

Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	65.6

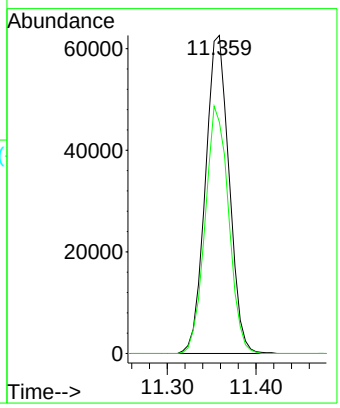




#53
Dibromochloromethane
Concen: 47.550 ug/l
RT: 11.359 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:129 Resp: 116277

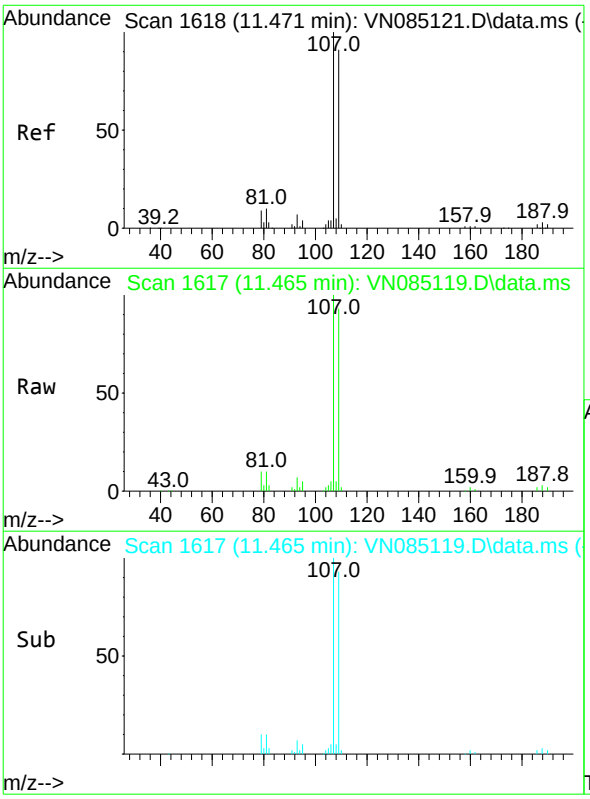
Ion	Ratio	Lower	Upper
129	100		
127	76.9	37.3	111.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

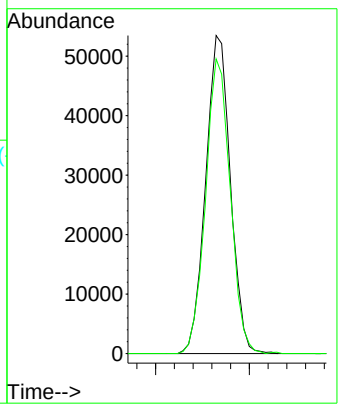
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

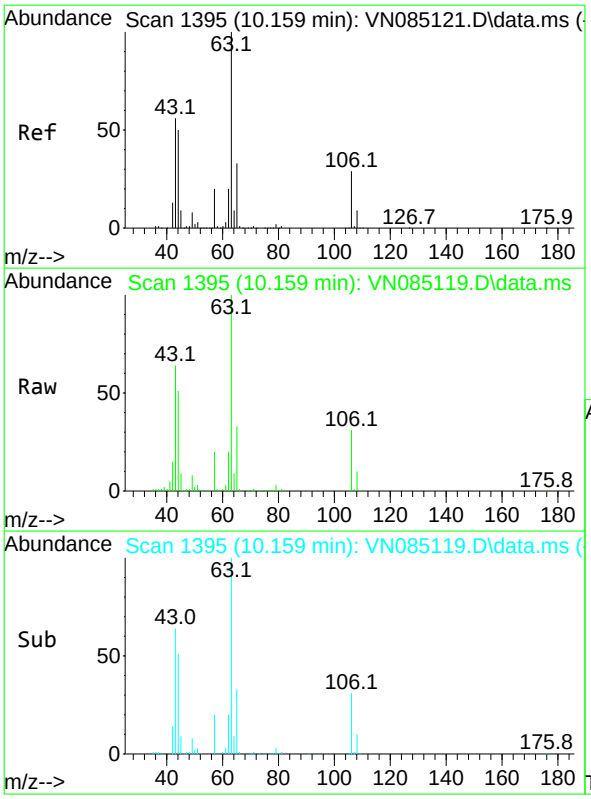


#54
1,2-Dibromoethane
Concen: 48.496 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:107 Resp: 98049

Ion	Ratio	Lower	Upper
107	100		
109	92.2	75.2	112.8

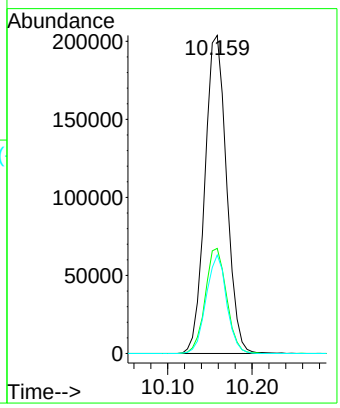




#55
2-Chloroethyl vinyl ether
Concen: 256.062 ug/l
RT: 10.159 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 63 Resp: 363042

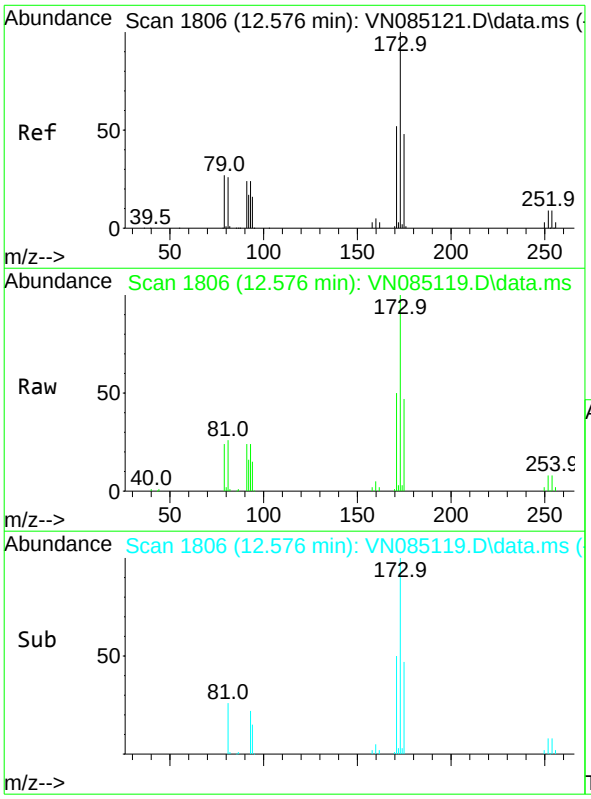
Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.9	38.9
106	29.3	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

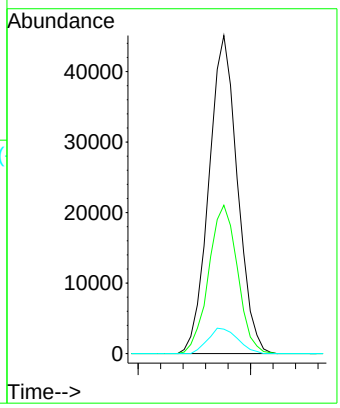
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

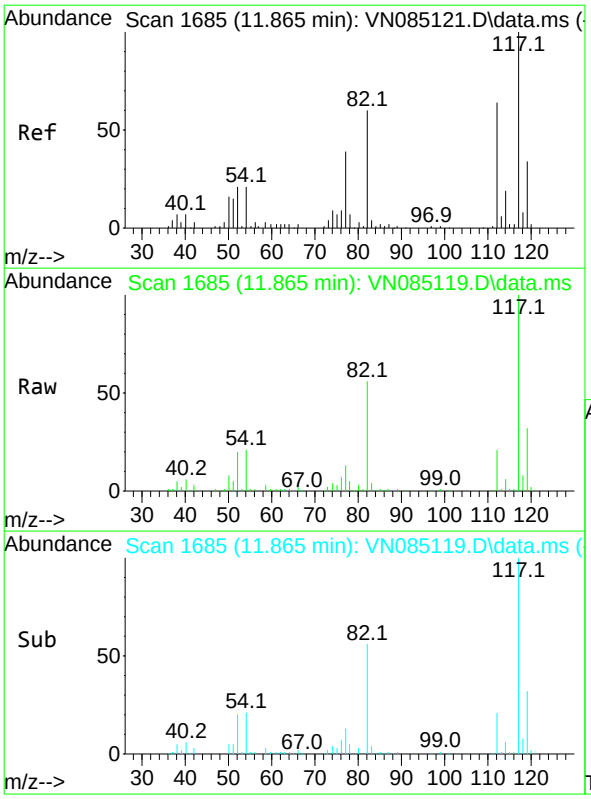


#56
Bromoform
Concen: 48.542 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:173 Resp: 79589

Ion	Ratio	Lower	Upper
173	100		
175	47.1	40.2	60.2
254	8.3	6.2	9.4

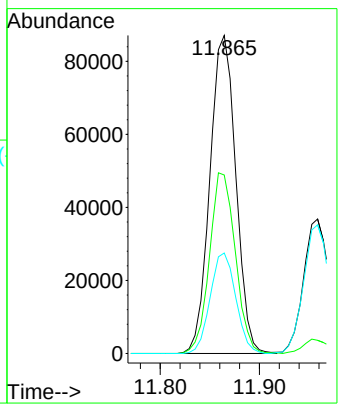




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:117 Resp: 158595

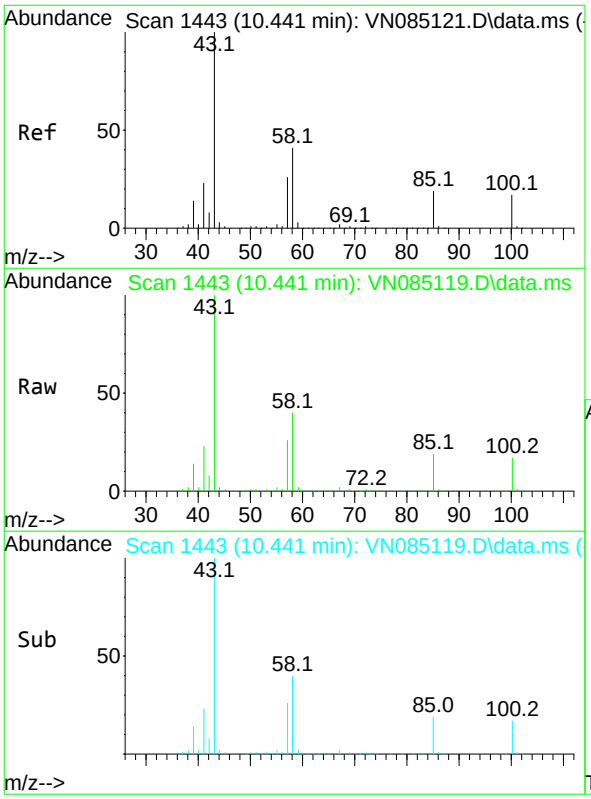
Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.2	66.4
119	31.1	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

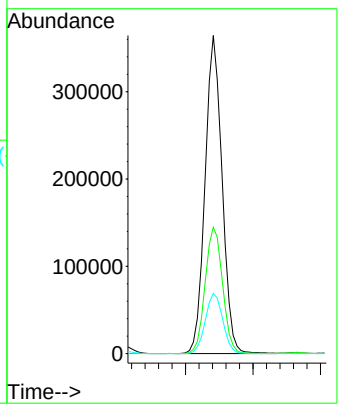
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

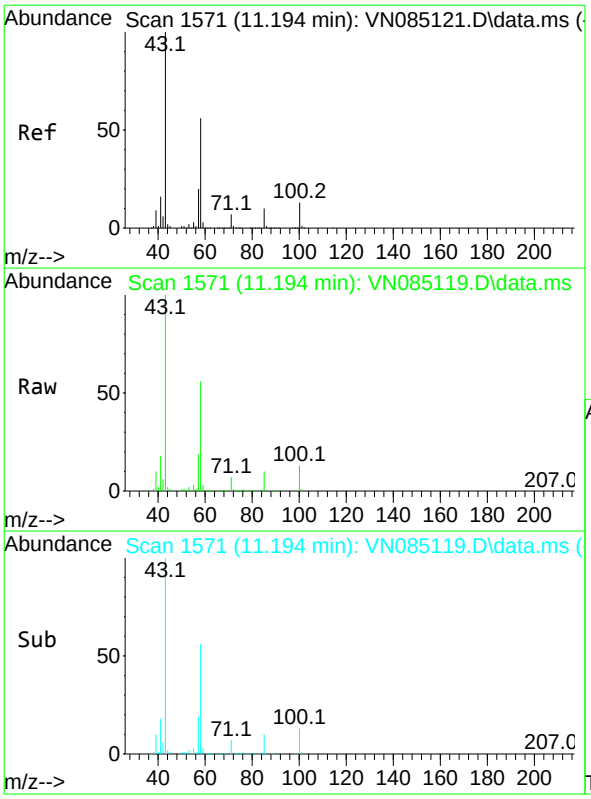


#58
4-Methyl-2-Pentanone
Concen: 246.869 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 43 Resp: 638976

Ion	Ratio	Lower	Upper
43	100		
58	40.6	31.6	47.4
85	19.4	15.0	22.6

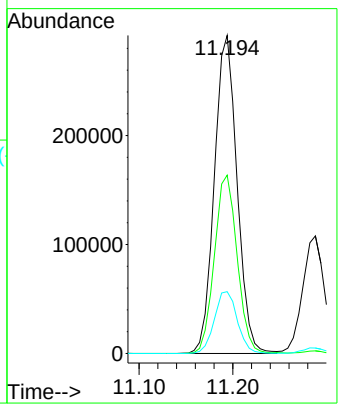




#59
2-Hexanone
Concen: 250.312 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 43 Resp: 490910

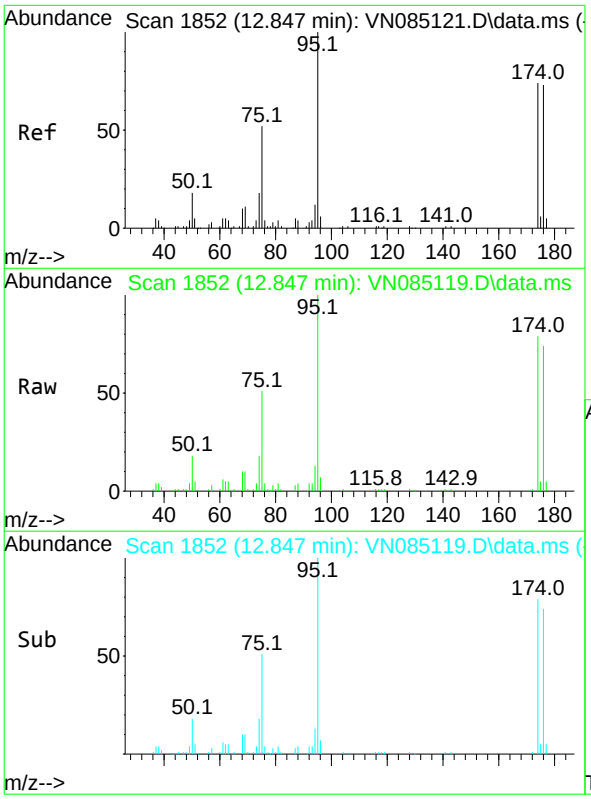
Ion	Ratio	Lower	Upper
43	100		
58	56.1	43.6	65.4
57	19.8	15.4	23.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

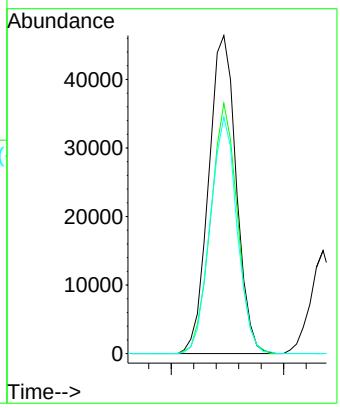
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

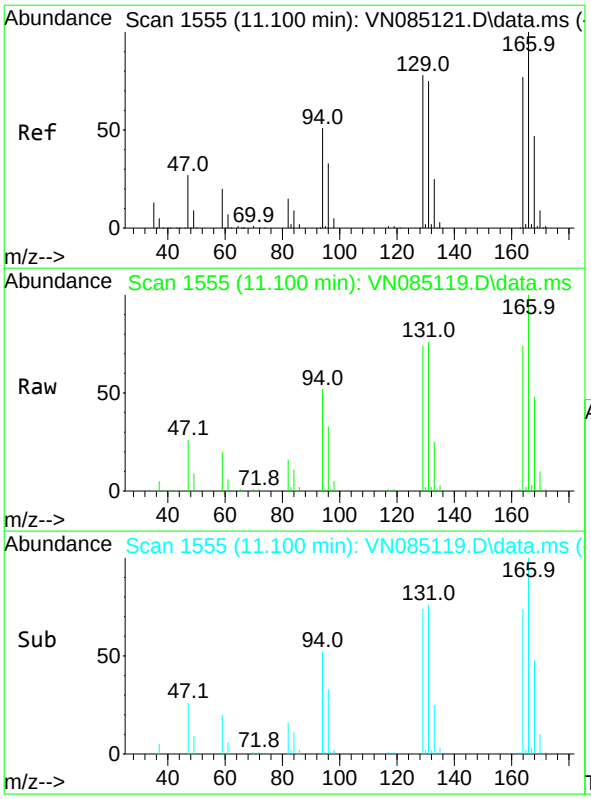


#60
4-Bromofluorobenzene
Concen: 30.193 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 95 Resp: 79229

Ion	Ratio	Lower	Upper
95	100		
174	75.6	60.3	90.5
176	72.5	57.4	86.0

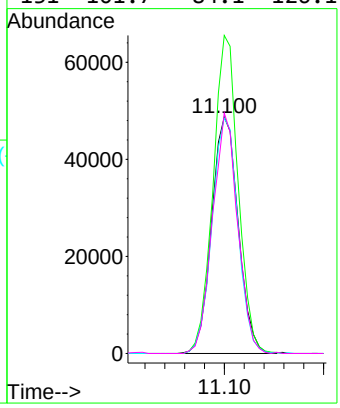




#61
Tetrachloroethene
Concen: 47.078 ug/l
RT: 11.100 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:164 Resp: 90418

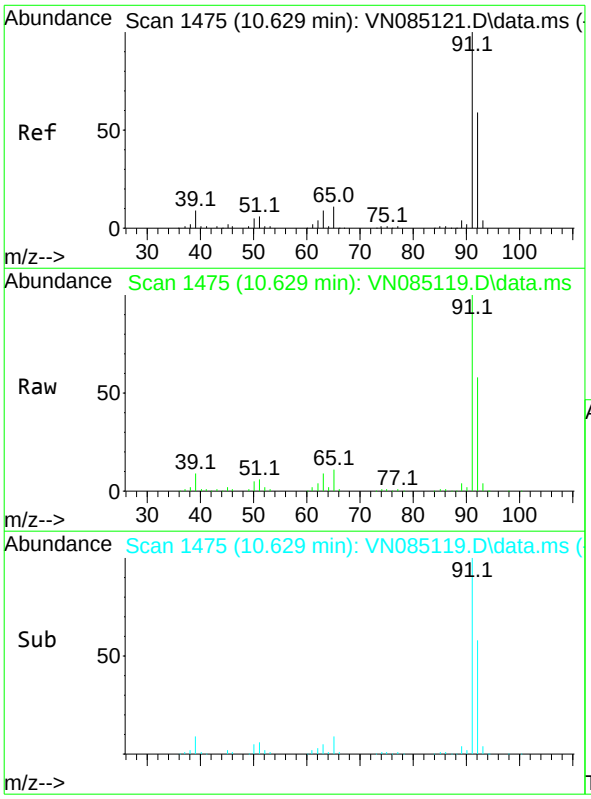
Ion	Ratio	Lower	Upper
164	100		
166	134.5	103.8	155.8
129	99.6	84.2	126.4
131	101.7	84.1	126.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

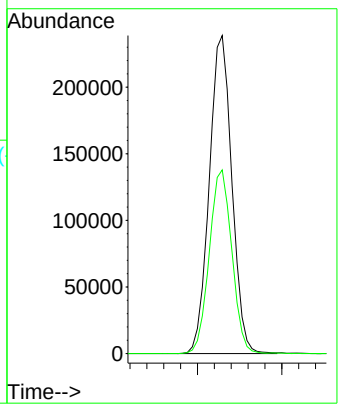
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

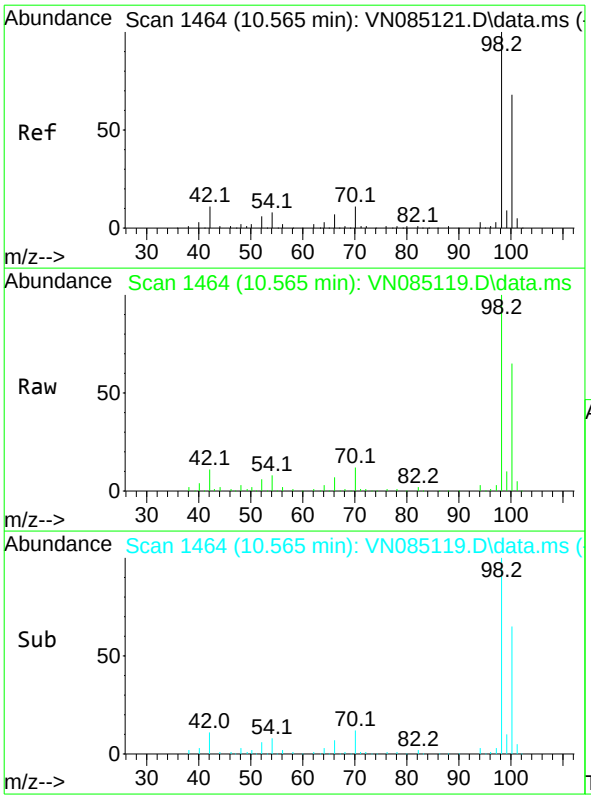


#62
Toluene
Concen: 48.023 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 91 Resp: 444180

Ion	Ratio	Lower	Upper
91	100		
92	57.6	46.5	69.7

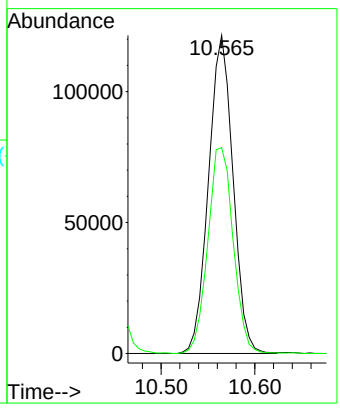




#63
Toluene-d8
Concen: 29.668 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 98 Resp: 220709

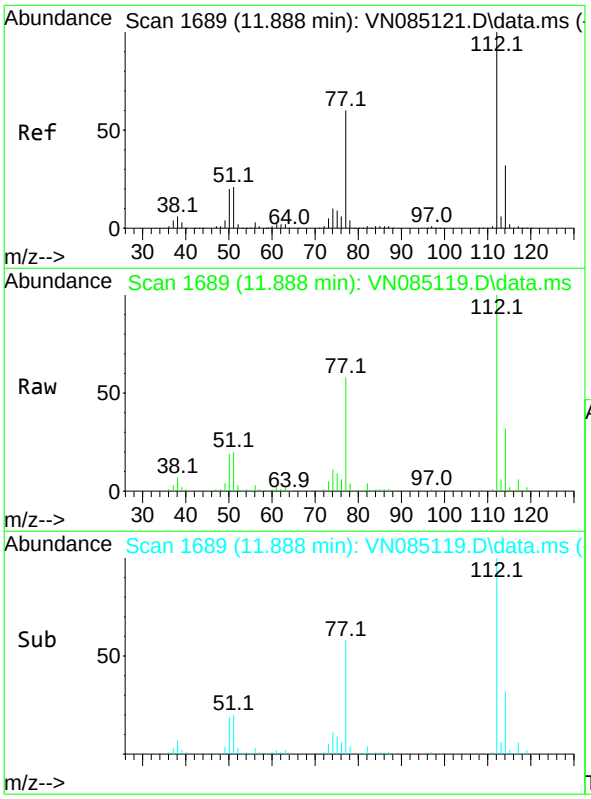
Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.0	78.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

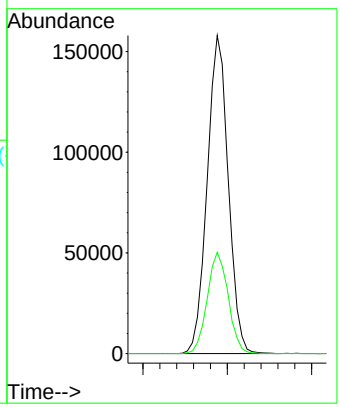
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

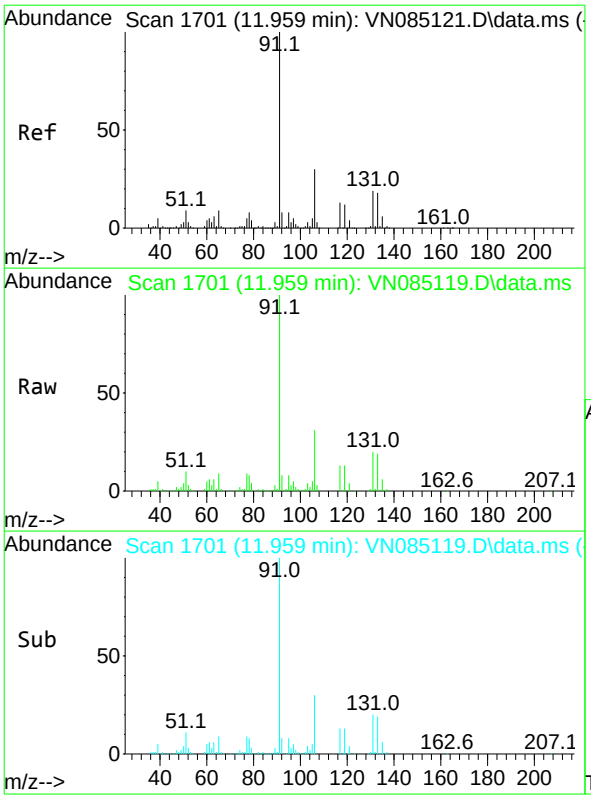


#64
Chlorobenzene
Concen: 48.008 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:112 Resp: 274152

Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0

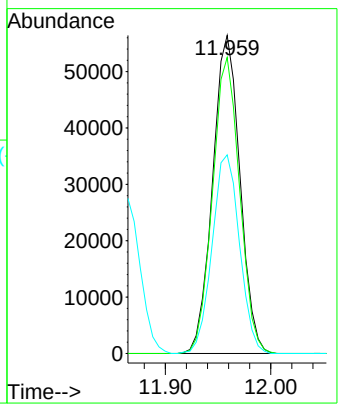




#65
1,1,1,2-Tetrachloroethane
Concen: 47.641 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:131 Resp: 101559

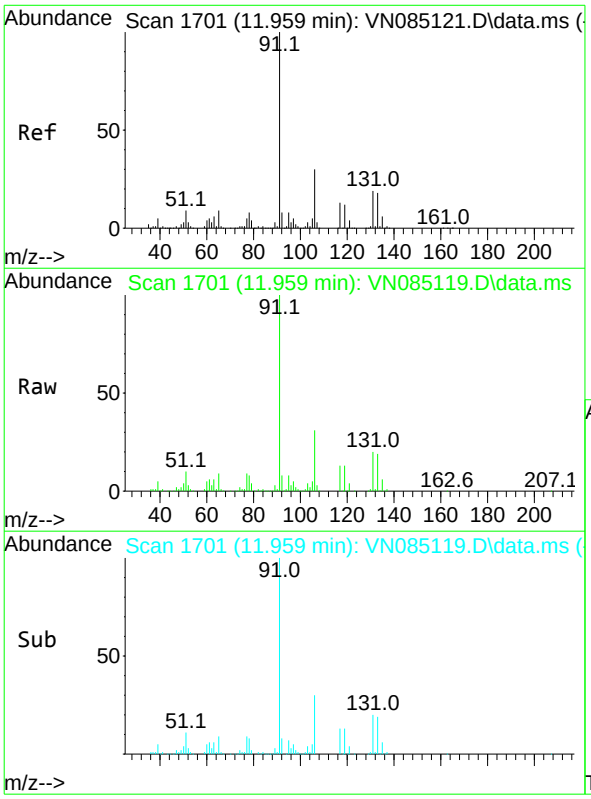
Ion	Ratio	Lower	Upper
131	100		
133	92.3	0.0	194.0
119	62.7	0.0	131.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

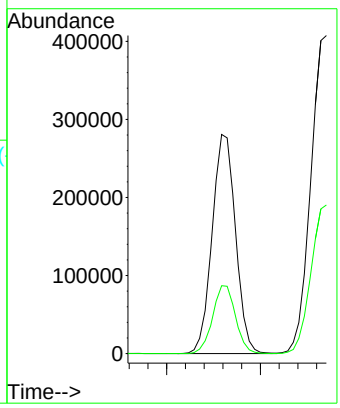
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

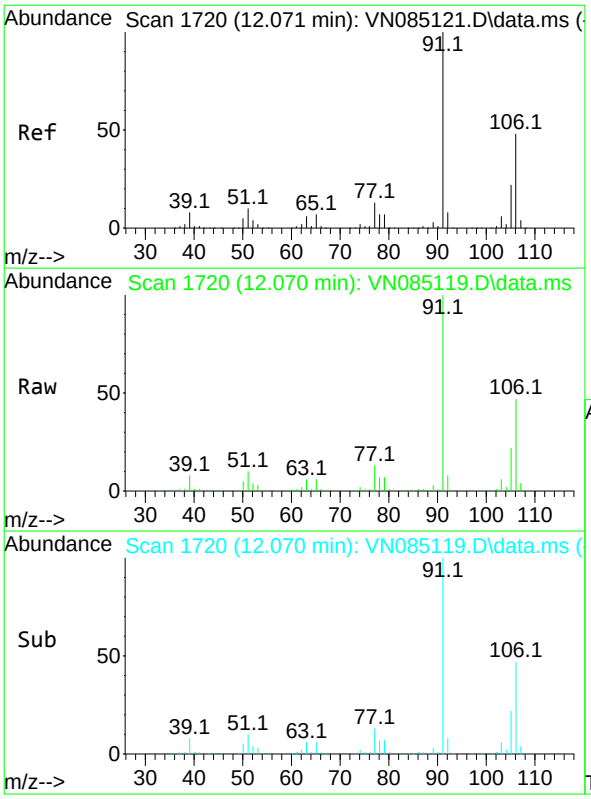


#66
Ethyl Benzene
Concen: 49.682 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 91 Resp: 487612

Ion	Ratio	Lower	Upper
91	100		
106	31.0	23.1	34.7

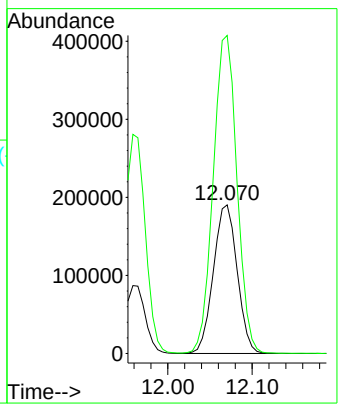




#67
m/p-Xylenes
Concen: 98.889 ug/l
RT: 12.070 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:106 Resp: 373298

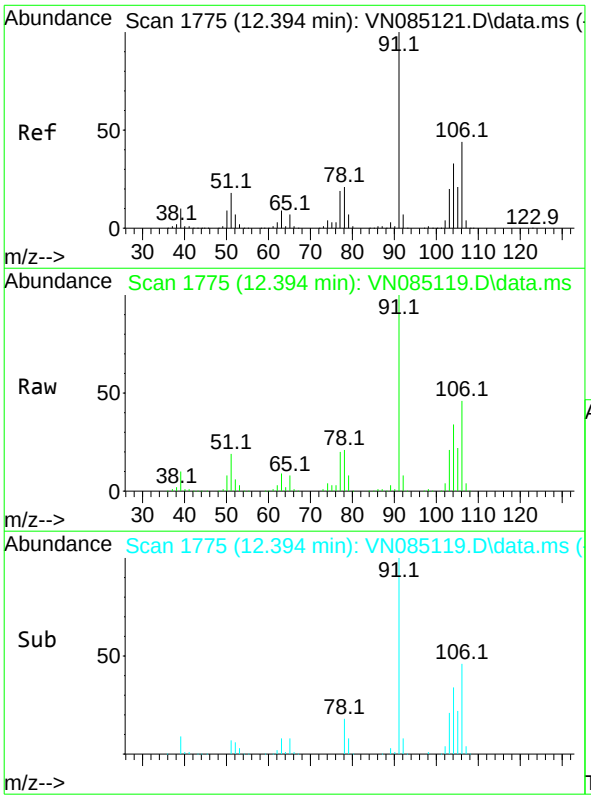
Ion	Ratio	Lower	Upper
106	100		
91	213.6	165.0	247.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

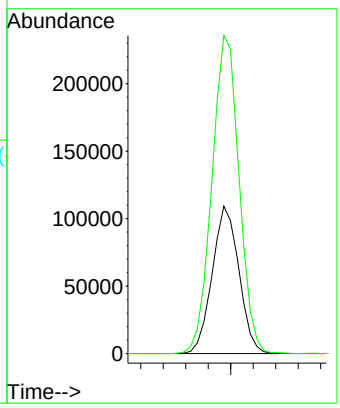
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

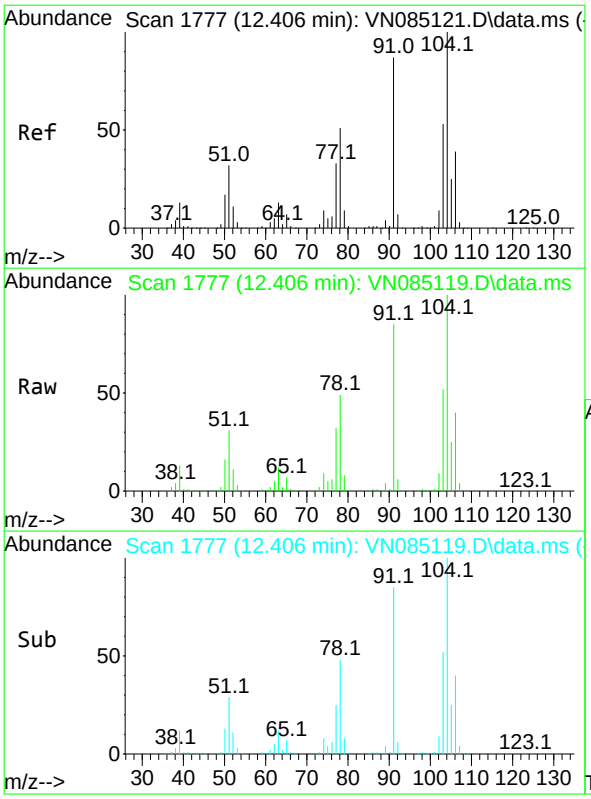


#68
o-Xylene
Concen: 50.744 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:106 Resp: 179899

Ion	Ratio	Lower	Upper
106	100		
91	220.0	112.1	336.4

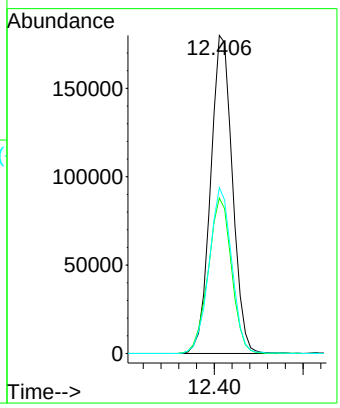




#69
Styrene
Concen: 51.151 ug/l
RT: 12.406 min Scan# 17
Delta R.T. -0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:104 Resp: 307715

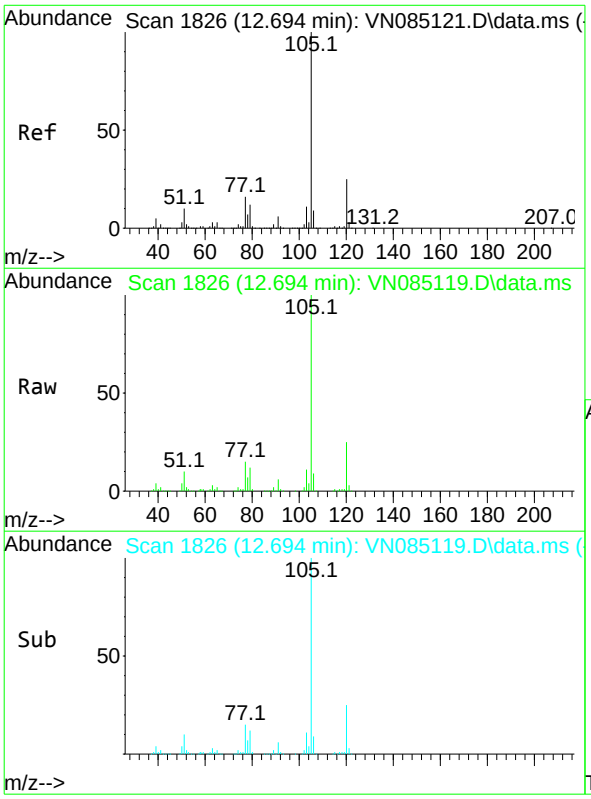
Ion	Ratio	Lower	Upper
104	100		
78	52.0	42.3	63.5
103	54.0	44.4	66.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

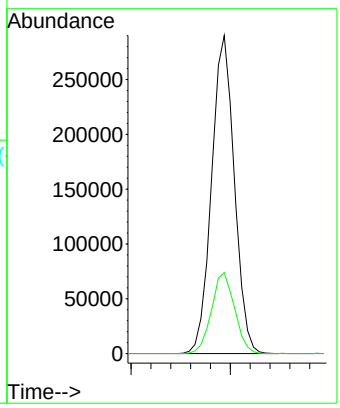
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

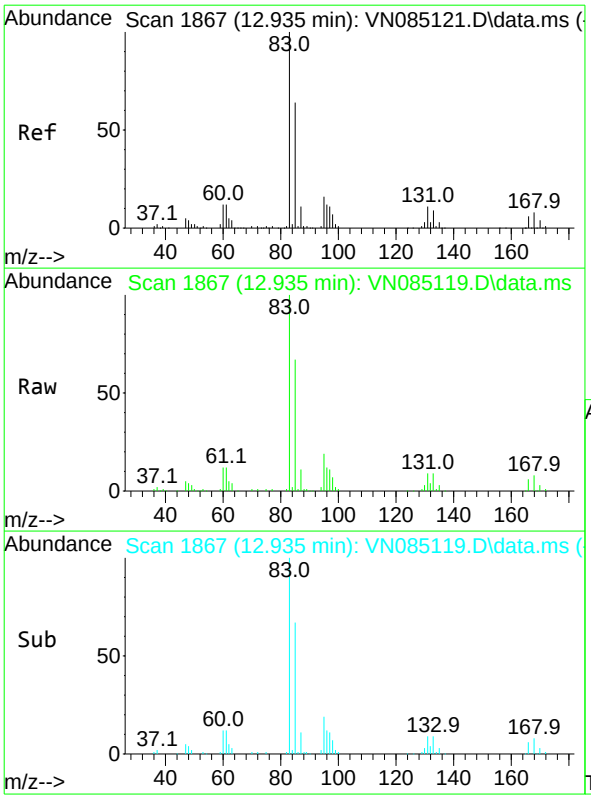


#70
Isopropylbenzene
Concen: 50.502 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:105 Resp: 461786

Ion	Ratio	Lower	Upper
105	100		
120	25.8	18.3	33.9

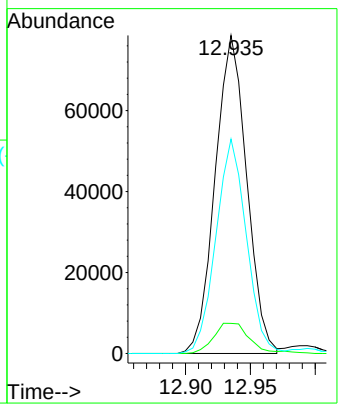




#71
1,1,2,2-Tetrachloroethane
Concen: 47.759 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 83 Resp: 132922

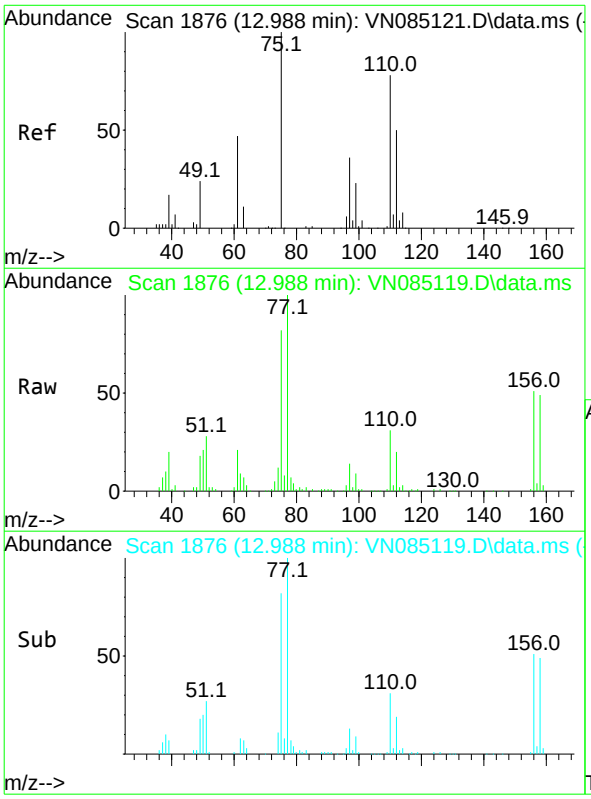
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.3
85	65.1	31.1	93.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

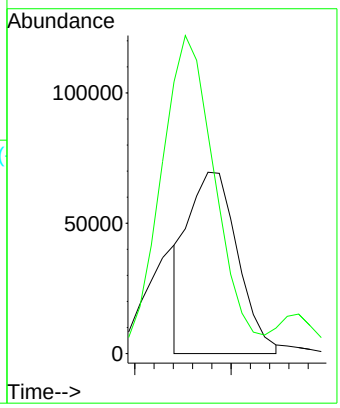
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

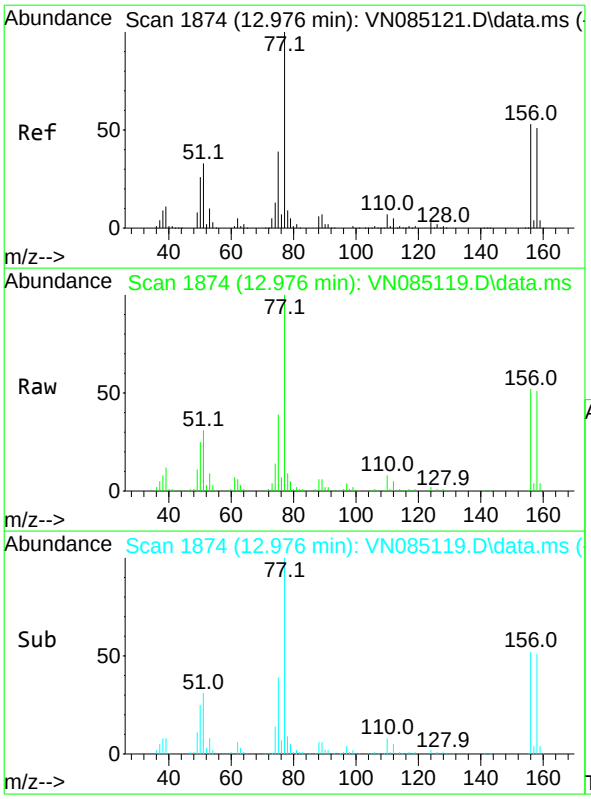


#72
1,2,3-Trichloropropane
Concen: 45.469 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 75 Resp: 125007

Ion	Ratio	Lower	Upper
75	100		
77	192.9	0.0	339.0

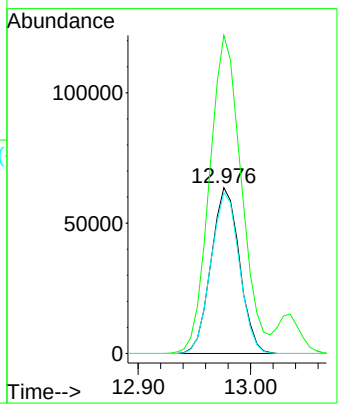




#73
Bromobenzene
Concen: 48.711 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:156 Resp: 111567

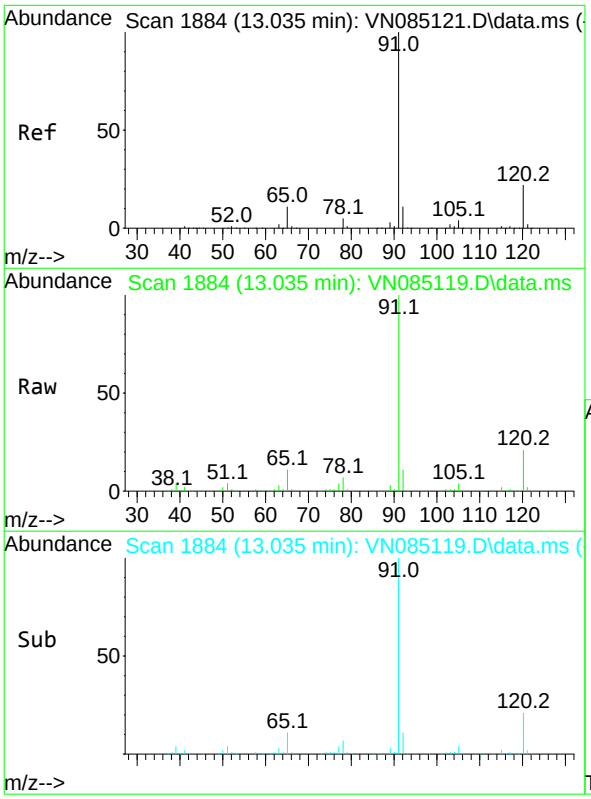
Ion	Ratio	Lower	Upper
156	100		
77	216.1	0.0	430.4
158	97.2	0.0	195.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

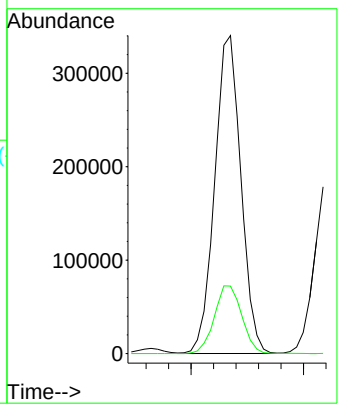
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

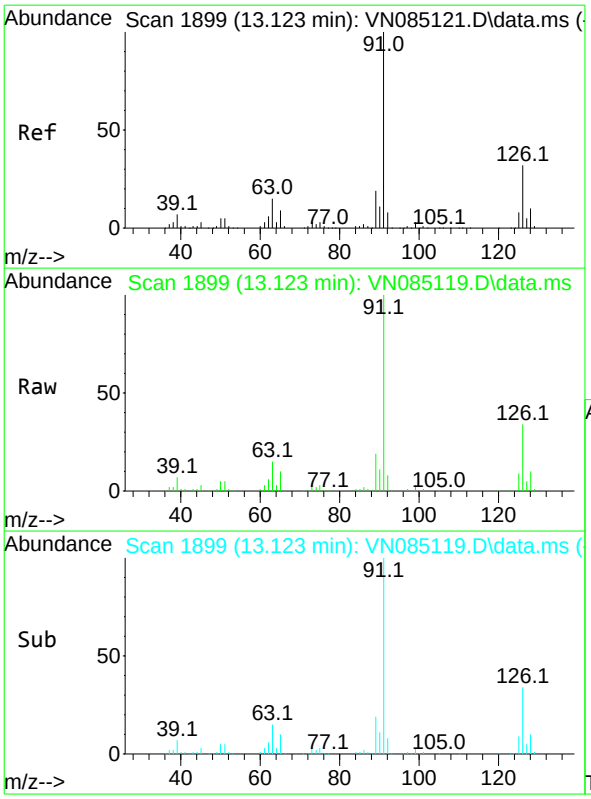


#74
n-propylbenzene
Concen: 50.065 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 91 Resp: 550361

Ion	Ratio	Lower	Upper
91	100		
120	22.3	0.0	44.0

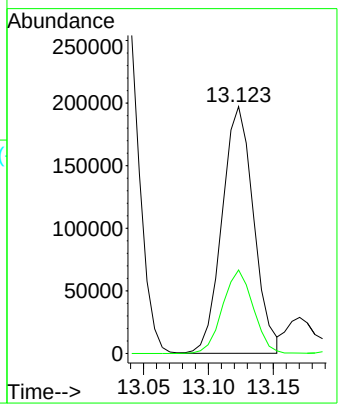




#75
2-Chlorotoluene
Concen: 49.227 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 91 Resp: 334590

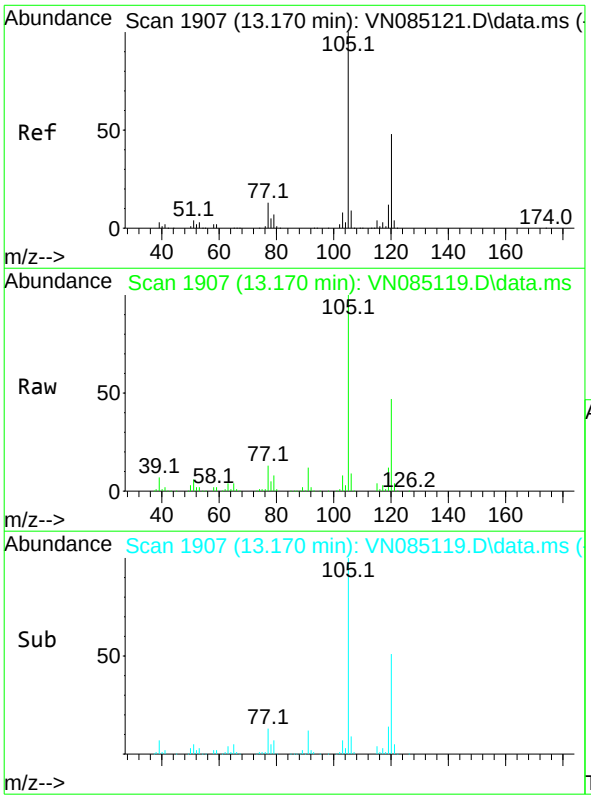
Ion	Ratio	Lower	Upper
91	100		
126	32.6	0.0	64.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

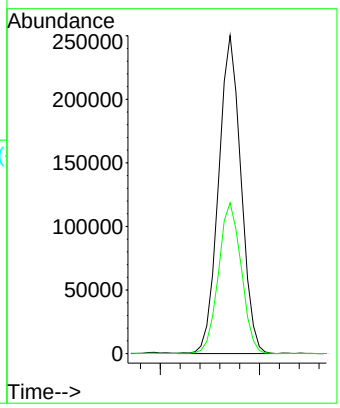
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

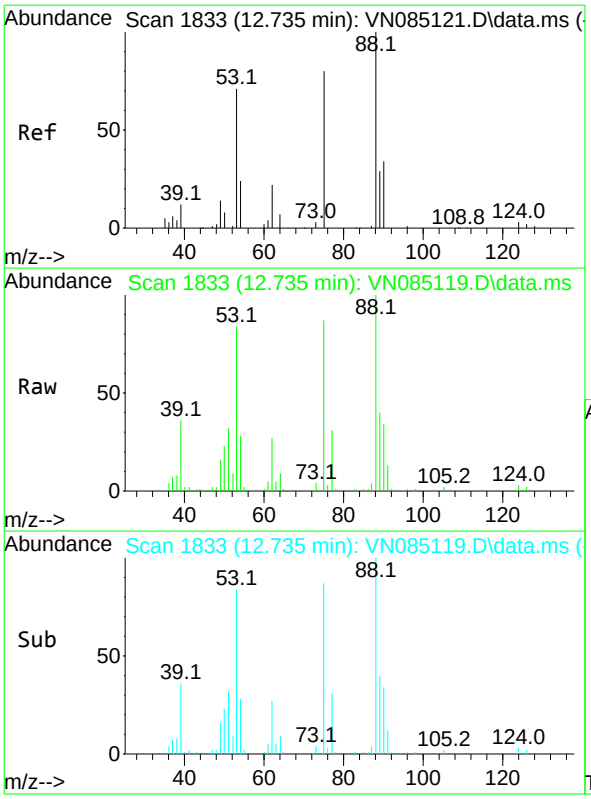


#76
1,3,5-Trimethylbenzene
Concen: 50.202 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:105 Resp: 393277

Ion	Ratio	Lower	Upper
105	100		
120	47.9	0.0	94.4

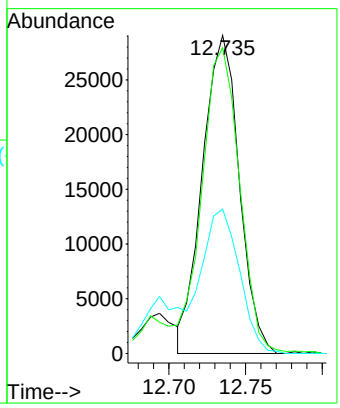




#77
t-1,4-Dichloro-2-butene
Concen: 48.553 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 75 Resp: 48505

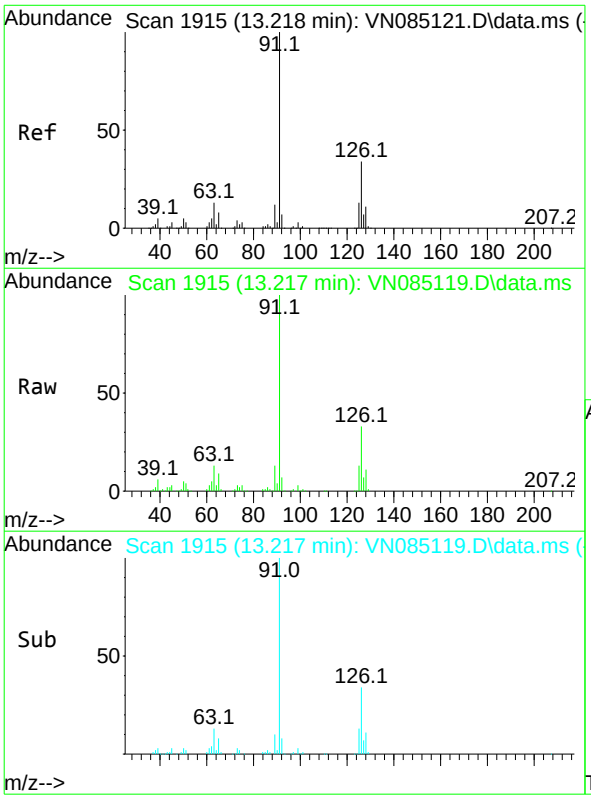
Ion	Ratio	Lower	Upper
75	100		
53	95.0	49.1	147.3
89	44.7	22.9	68.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

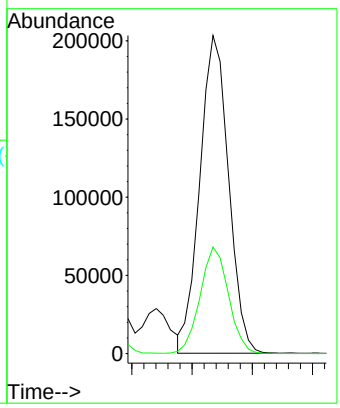
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

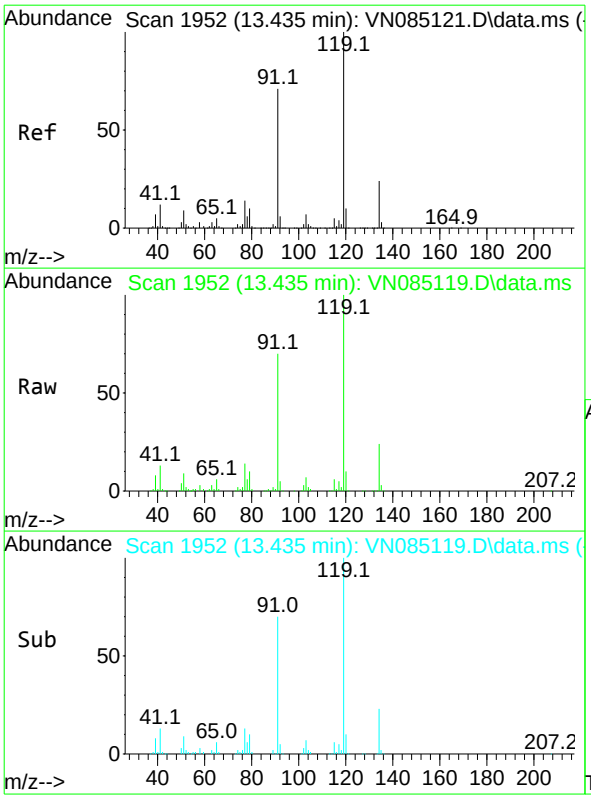


#78
4-Chlorotoluene
Concen: 48.823 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 91 Resp: 336818

Ion	Ratio	Lower	Upper
91	100		
126	33.2	0.0	64.4

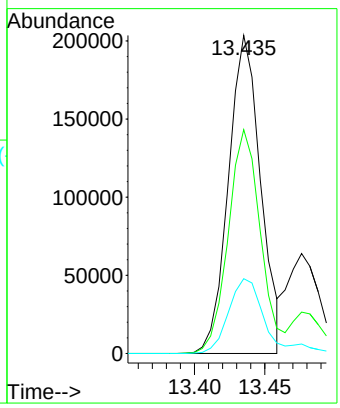




#79
tert-butylbenzene
Concen: 50.365 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:119 Resp: 324073

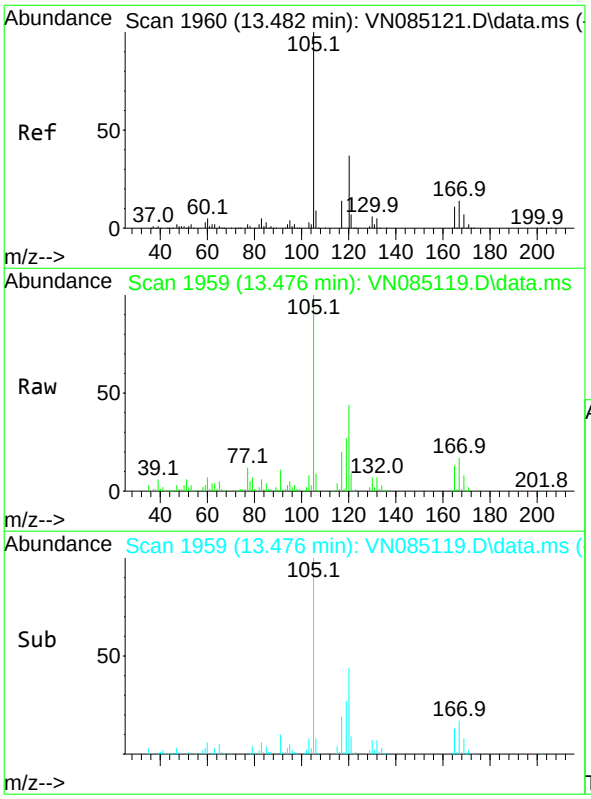
Ion	Ratio	Lower	Upper
119	100		
91	70.8	0.0	139.2
134	24.6	0.0	48.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

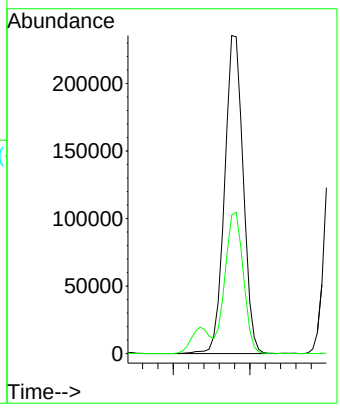
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

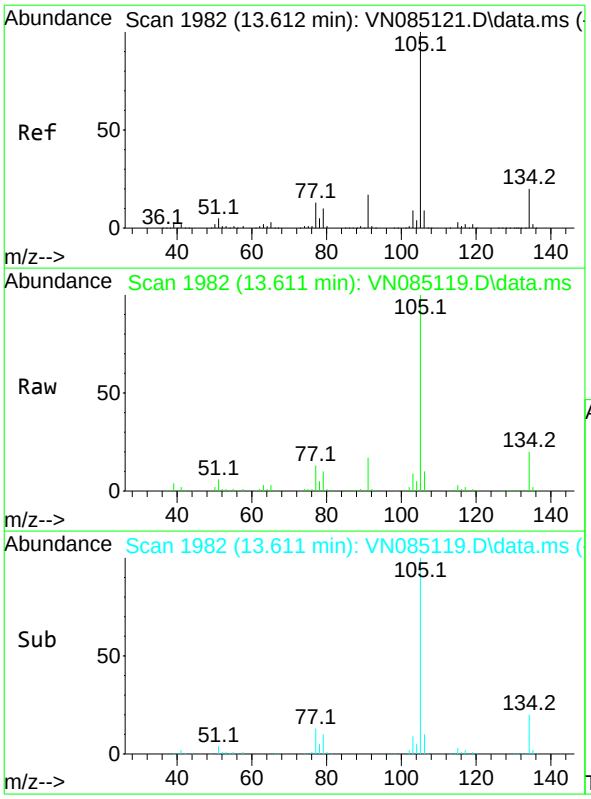


#80
1,2,4-Trimethylbenzene
Concen: 51.207 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:105 Resp: 396249

Ion	Ratio	Lower	Upper
105	100		
120	43.6	0.0	87.4

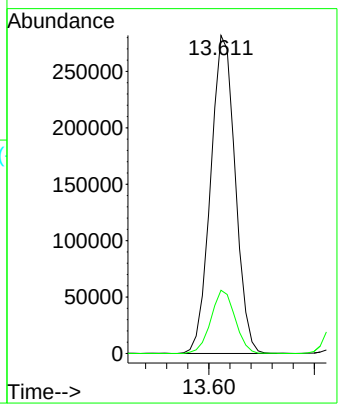




#81
sec-Butylbenzene
Concen: 49.942 ug/l
RT: 13.611 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:105 Resp: 456540

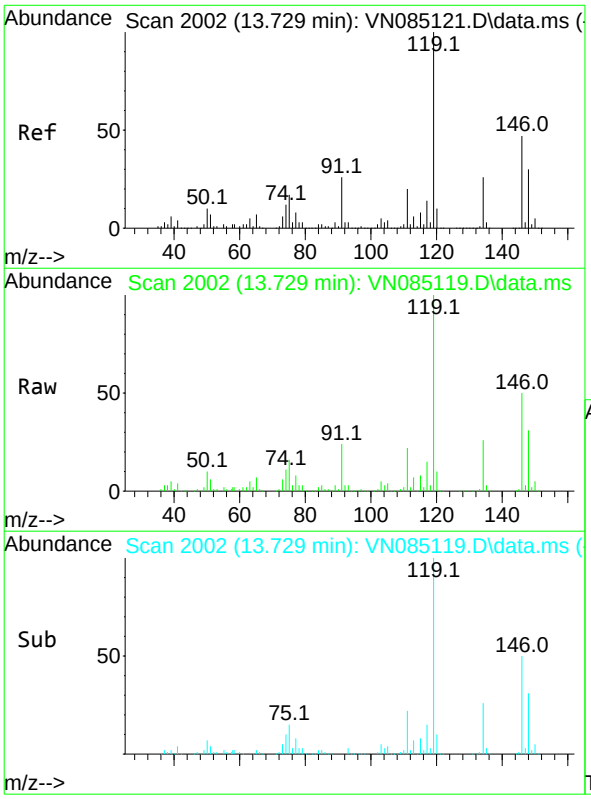
Ion	Ratio	Lower	Upper
105	100		
134	19.6	0.0	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

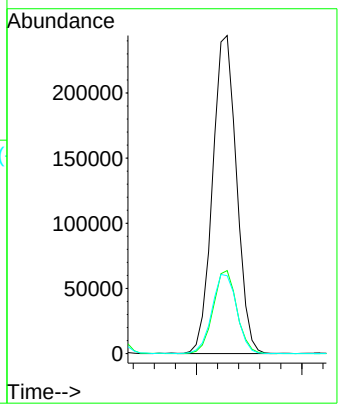
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

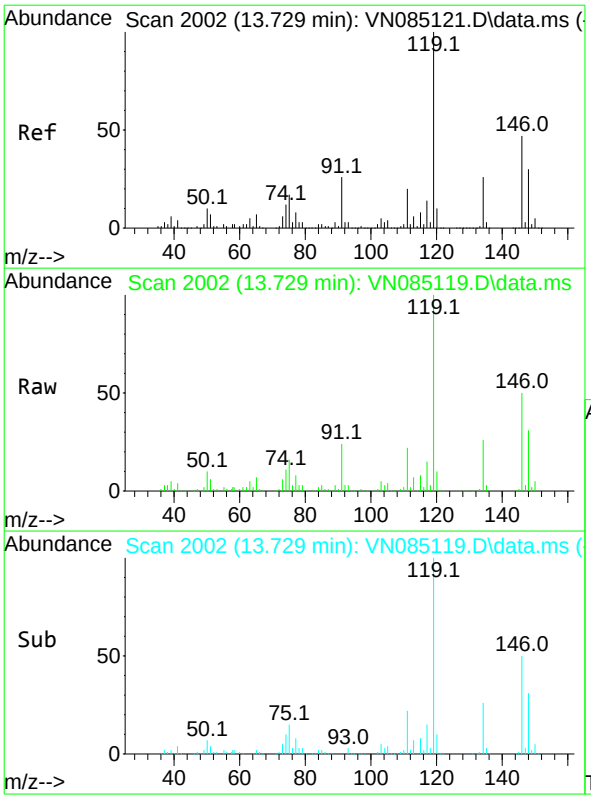


#82
p-Isopropyltoluene
Concen: 50.937 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:119 Resp: 386040

Ion	Ratio	Lower	Upper
119	100		
134	25.7	0.0	51.6
91	25.7	0.0	50.4

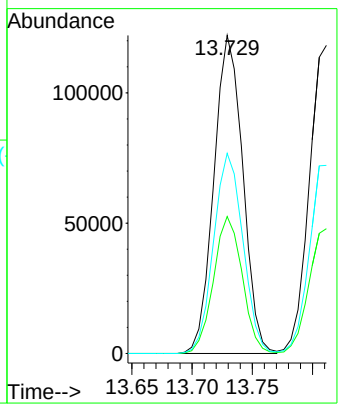




#83
1,3-Dichlorobenzene
Concen: 48.588 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:146 Resp: 204168

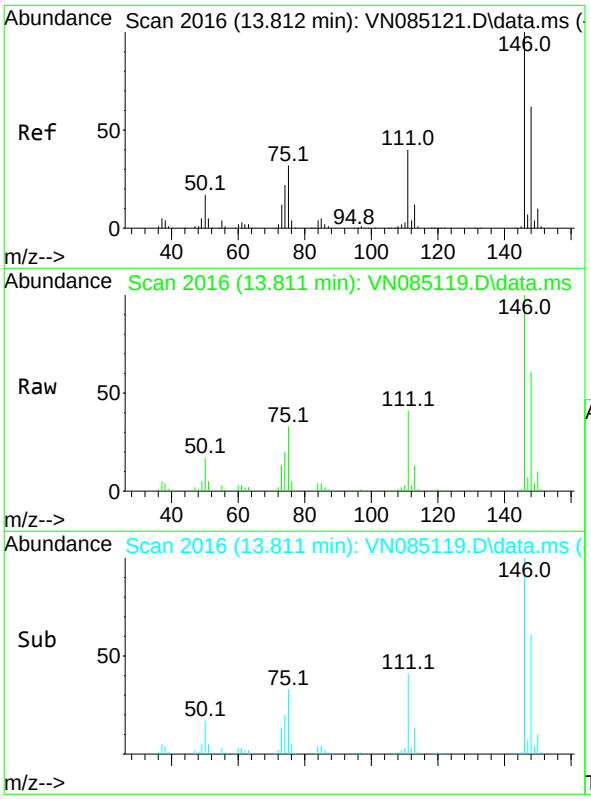
Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.3
148	63.8	31.8	95.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

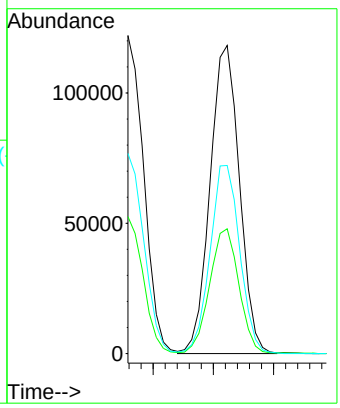
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

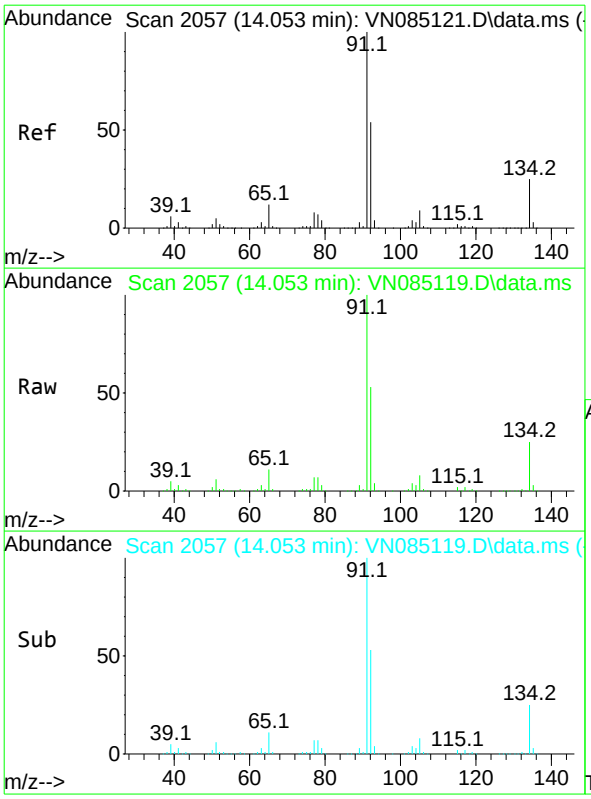


#84
1,4-Dichlorobenzene
Concen: 48.993 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:146 Resp: 200637

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.1	60.3
148	61.7	31.6	94.7

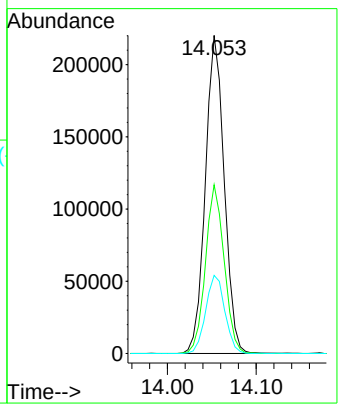




#85
n-Butylbenzene
Concen: 51.146 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 91 Resp: 325144

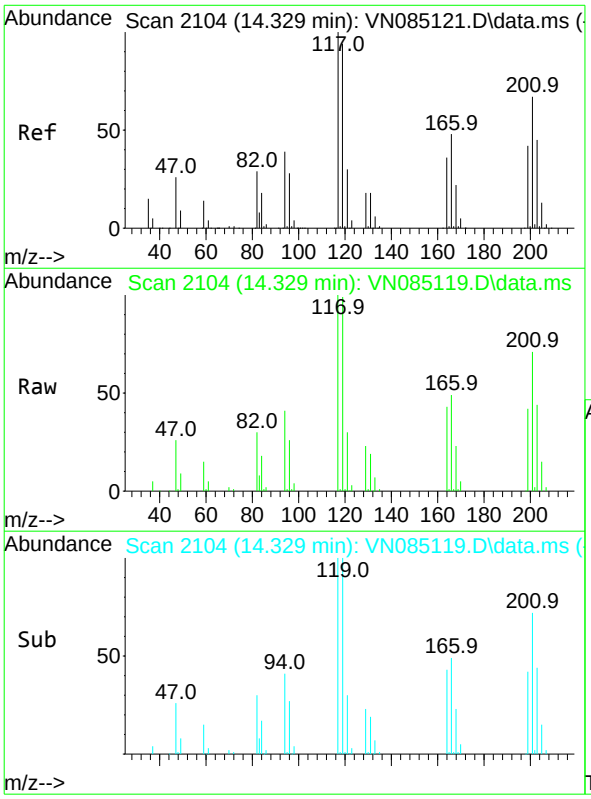
Ion	Ratio	Lower	Upper
91	100		
92	52.5	0.0	104.0
134	24.9	0.0	49.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

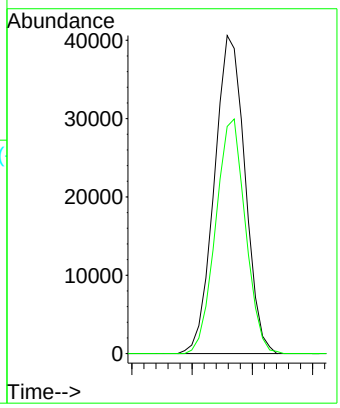
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

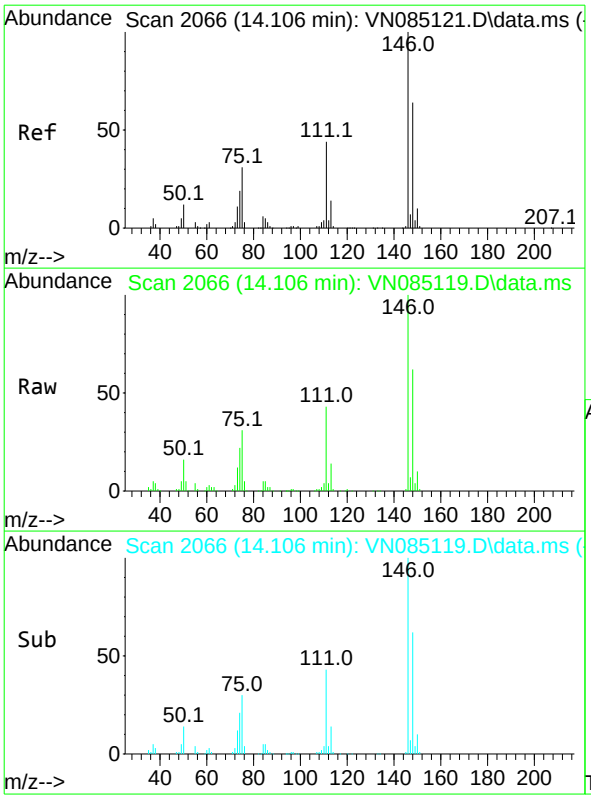


#86
Hexachloroethane
Concen: 47.548 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:117 Resp: 71737

Ion	Ratio	Lower	Upper
117	100		
201	71.7	34.1	102.3

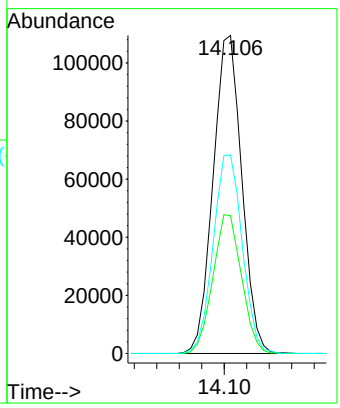




#87
1,2-Dichlorobenzene
Concen: 48.889 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:146 Resp: 193910

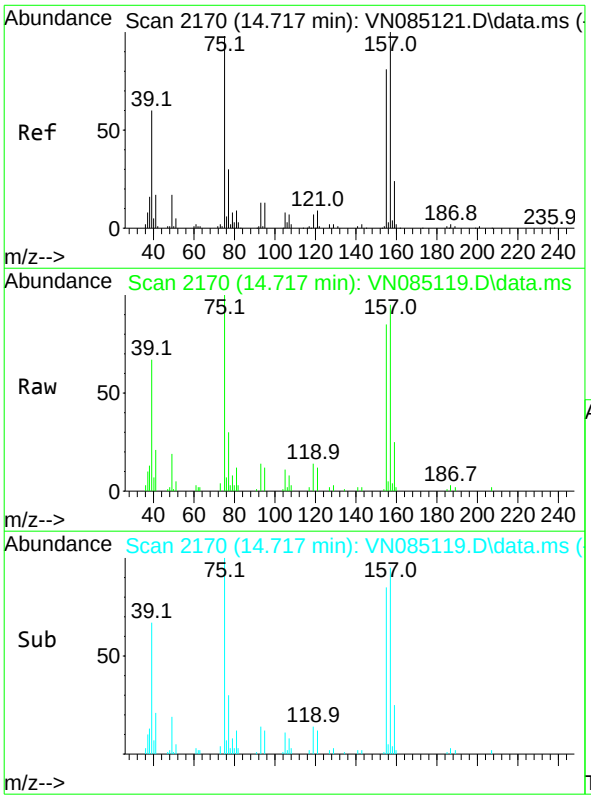
Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.9	65.7
148	63.4	32.4	97.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

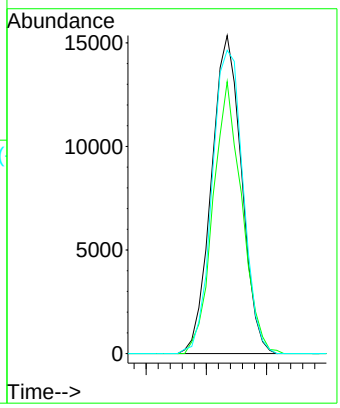
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

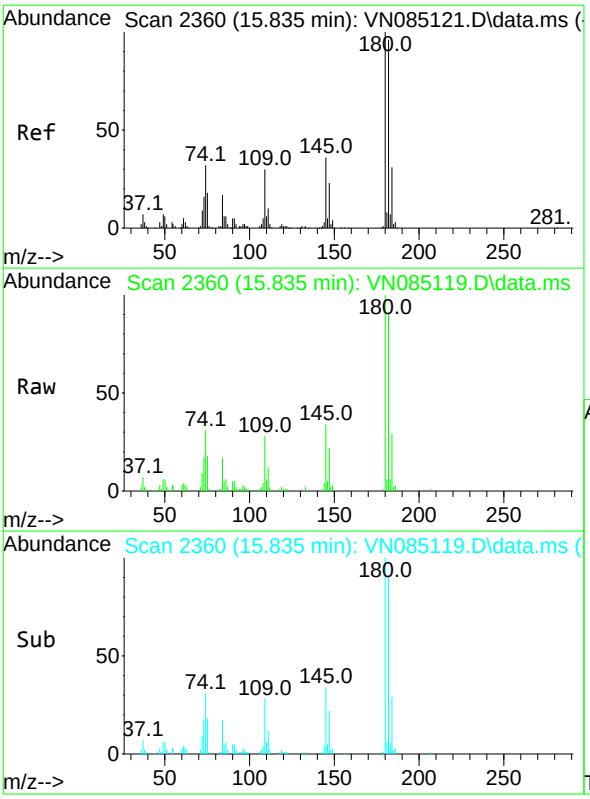


#88
1,2-Dibromo-3-Chloropropane
Concen: 47.975 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 75 Resp: 26674

Ion	Ratio	Lower	Upper
75	100		
155	81.6	62.1	93.1
157	97.8	79.3	118.9

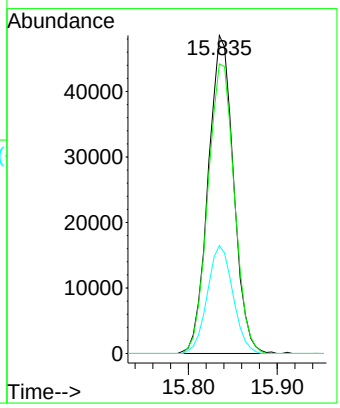




#89
1,2,4-Trichlorobenzene
Concen: 49.499 ug/l
RT: 15.835 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:180 Resp: 96150

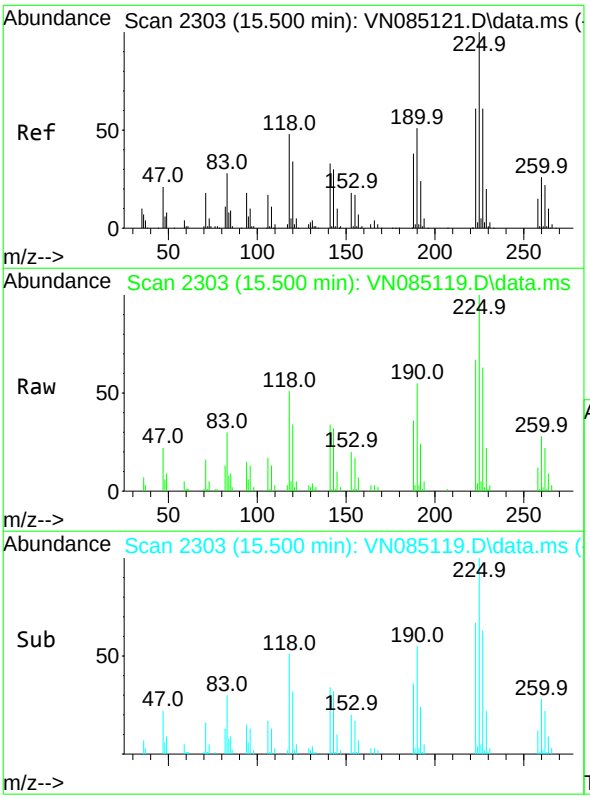
Ion	Ratio	Lower	Upper
180	100		
182	94.7	74.0	111.0
145	34.3	28.6	43.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

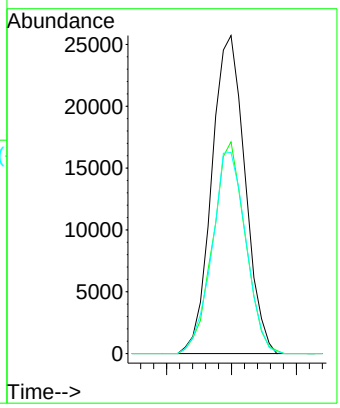
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

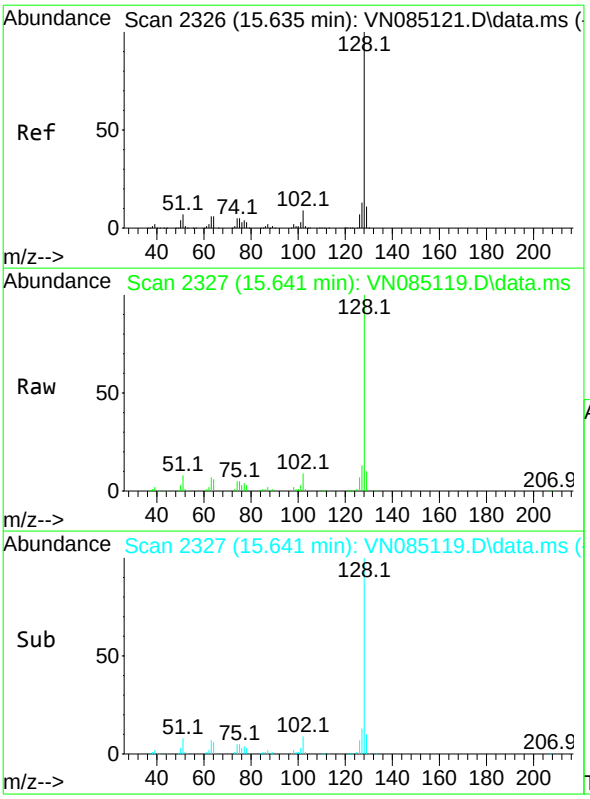


#90
Hexachlorobutadiene
Concen: 45.354 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:225 Resp: 45780

Ion	Ratio	Lower	Upper
225	100		
223	64.9	0.0	121.8
227	64.6	0.0	126.8





#91
Naphthalene
Concen: 51.498 ug/l
RT: 15.641 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

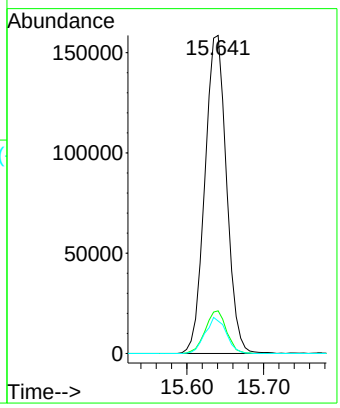
Tgt Ion:128 Resp: 310785

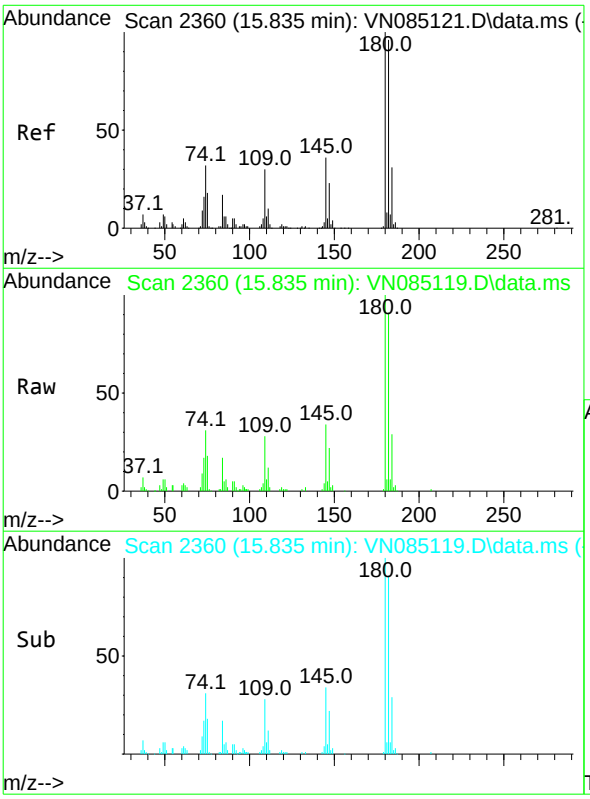
Ion	Ratio	Lower	Upper
128	100		
127	13.2	11.0	16.4
129	11.0	8.7	13.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

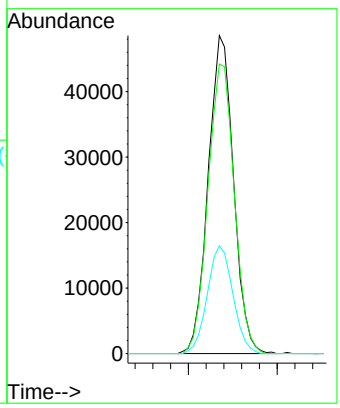




#92
1,2,3-Trichlorobenzene
Concen: 49.499 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:180 Resp: 96150

Ion	Ratio	Lower	Upper
180	100		
182	94.7	0.0	185.0
145	34.3	0.0	71.6



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085120.D
Acq On : 06 Dec 2024 11:13
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 06 22:30:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	30288	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	165873	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	153060	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	71793	29.873	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.567%				
60) 4-Bromofluorobenzene	12.847	95	77922	30.768	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.567%				
63) Toluene-d8	10.565	98	210008	29.250	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.500%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	259006	106.887	ug/l		99
3) Chloromethane	2.359	50	222342	103.665	ug/l		98
4) Vinyl Chloride	2.512	62	227959	103.912	ug/l		99
5) Bromomethane	2.942	94	137690	98.857	ug/l		99
6) Chloroethane	3.112	64	139552	103.541	ug/l		100
7) Trichlorofluoromethane	3.494	101	376125	104.742	ug/l		100
8) Diethyl Ether	3.959	74	126597	111.303	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.371	101	208174	103.665	ug/l		99
10) 1,1-Dichloroethene	4.336	96	199737	108.286	ug/l		98
11) Methyl Iodide	4.589	142	285314	111.529	ug/l		96
12) Methyl Acetate	5.018	43	232698	106.935	ug/l		96
13) Acrolein	4.177	56	170574	539.405	ug/l		96
14) Acrylonitrile	5.712	53	493102	545.734	ug/l		97
15) Acetone	4.418	58	136513	557.523	ug/l		99
16) Carbon Disulfide	4.712	76	576373	104.540	ug/l		100
17) Allyl chloride	5.024	41	293051	111.032	ug/l		93
18) Methylene Chloride	5.271	84	214729	102.597	ug/l		99
19) trans-1,2-Dichloroethene	5.788	96	203123	105.945	ug/l		94
20) Diisopropyl ether	6.665	45	621282	107.259	ug/l		99
21) 1,1-Dichloroethane	6.565	63	374090	104.639	ug/l		99
22) cis-1,2-Dichloroethene	7.482	96	234199	106.277	ug/l		99
23) tert-Butyl Alcohol	5.518	59	184150	568.118	ug/l	#	100
24) Methyl tert-Butyl Ether	5.794	73	637140	110.650	ug/l	#	77
25) Chloroform	7.965	83	384926	102.776	ug/l		94
26) Cyclohexane	8.253	56	327008	111.090	ug/l	#	95
29) 1,1-Dichloropropene	8.371	75	279872	104.562	ug/l		99
30) 2-Butanone	7.477	43	648934	528.323	ug/l		99
31) 2,2-Dichloropropane	7.488	77	351838	102.508	ug/l	#	100
32) 1,1,1-Trichloroethane	8.165	97	363069	100.216	ug/l		98
33) Carbon Tetrachloride	8.359	117	327001	100.027	ug/l		94
34) Benzene	8.606	78	853279	101.479	ug/l		99
35) Methacrylonitrile	7.777	41	142639	103.194	ug/l		94
36) 1,2-Dichloroethane	8.665	62	286487	100.087	ug/l		100
37) Trichloroethene	9.347	130	206395	103.077	ug/l		97
38) Methylcyclohexane	9.594	83	320395	110.090	ug/l		94
39) 1,2-Dichloropropane	9.618	63	202160	99.263	ug/l		98
40) Dibromomethane	9.706	93	145378	99.515	ug/l		99
41) Bromodichloromethane	9.882	83	312321	100.007	ug/l		95
42) Vinyl Acetate	6.600	43	2379940	553.721	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085120.D
Acq On : 06 Dec 2024 11:13
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 06 22:30:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	258485	105.766	ug/l	95
44) Isopropyl Acetate	8.682	43	438465	103.239	ug/l	98
45) 1,4-Dioxane	9.694	88	77646	2192.363	ug/l	97
46) Methyl methacrylate	9.676	41	210976	108.543	ug/l	97
47) n-amyl Acetate	12.494	43	398085	111.404	ug/l	93
48) t-1,3-Dichloropropene	10.835	75	327429	106.805	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	347791	104.212	ug/l	97
50) 1,1,2-Trichloroethane	11.012	97	195188	99.153	ug/l	95
51) Ethyl methacrylate	10.870	69	335501	112.054	ug/l	96
52) 1,3-Dichloropropane	11.159	76	335834	101.938	ug/l	100
53) Dibromochloromethane	11.359	129	242265	100.988	ug/l	96
54) 1,2-Dibromoethane	11.465	107	205342	103.531	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	785193	564.533	ug/l	100
56) Bromoform	12.576	173	166661	103.616	ug/l	96
58) 4-Methyl-2-Pentanone	10.441	43	1337734	535.524	ug/l	98
59) 2-Hexanone	11.194	43	1026218	542.184	ug/l	97
61) Tetrachloroethene	11.100	164	182933	98.693	ug/l	97
62) Toluene	10.623	91	917622	102.798	ug/l	100
64) Chlorobenzene	11.888	112	571760	103.744	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	210736	102.429	ug/l	97
66) Ethyl Benzene	11.959	91	1036629	109.440	ug/l	98
67) m/p-Xylenes	12.070	106	791201	217.173	ug/l	98
68) o-Xylene	12.394	106	374478	109.449	ug/l	100
69) Styrene	12.406	104	648187	111.644	ug/l	100
70) Isopropylbenzene	12.694	105	985915	111.721	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	268272	99.877	ug/l	95
72) 1,2,3-Trichloropropane	12.988	75	260354m	98.123	ug/l	
73) Bromobenzene	12.976	156	235738	106.648	ug/l	100
74) n-propylbenzene	13.035	91	1166509	109.952	ug/l	99
75) 2-Chlorotoluene	13.123	91	703050	107.179	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	831794	110.018	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	107962	111.976	ug/l	98
78) 4-Chlorotoluene	13.217	91	713716	107.197	ug/l	99
79) tert-butylbenzene	13.435	119	697873	112.381	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	838873	112.327	ug/l	99
81) sec-Butylbenzene	13.611	105	983338	111.460	ug/l	98
82) p-Isopropyltoluene	13.723	119	829472	113.406	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	429389	105.881	ug/l	100
84) 1,4-Dichlorobenzene	13.811	146	423137	107.060	ug/l	99
85) n-Butylbenzene	14.053	91	713519	116.298	ug/l	98
86) Hexachloroethane	14.329	117	154986	106.440	ug/l	96
87) 1,2-Dichlorobenzene	14.106	146	401301	104.836	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	56942	106.118	ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	214927	114.647	ug/l	99
90) Hexachlorobutadiene	15.500	225	100252	102.912	ug/l	99
91) Naphthalene	15.635	128	719387	123.516	ug/l	98
92) 1,2,3-Trichlorobenzene	15.835	180	214927	114.647	ug/l	99

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

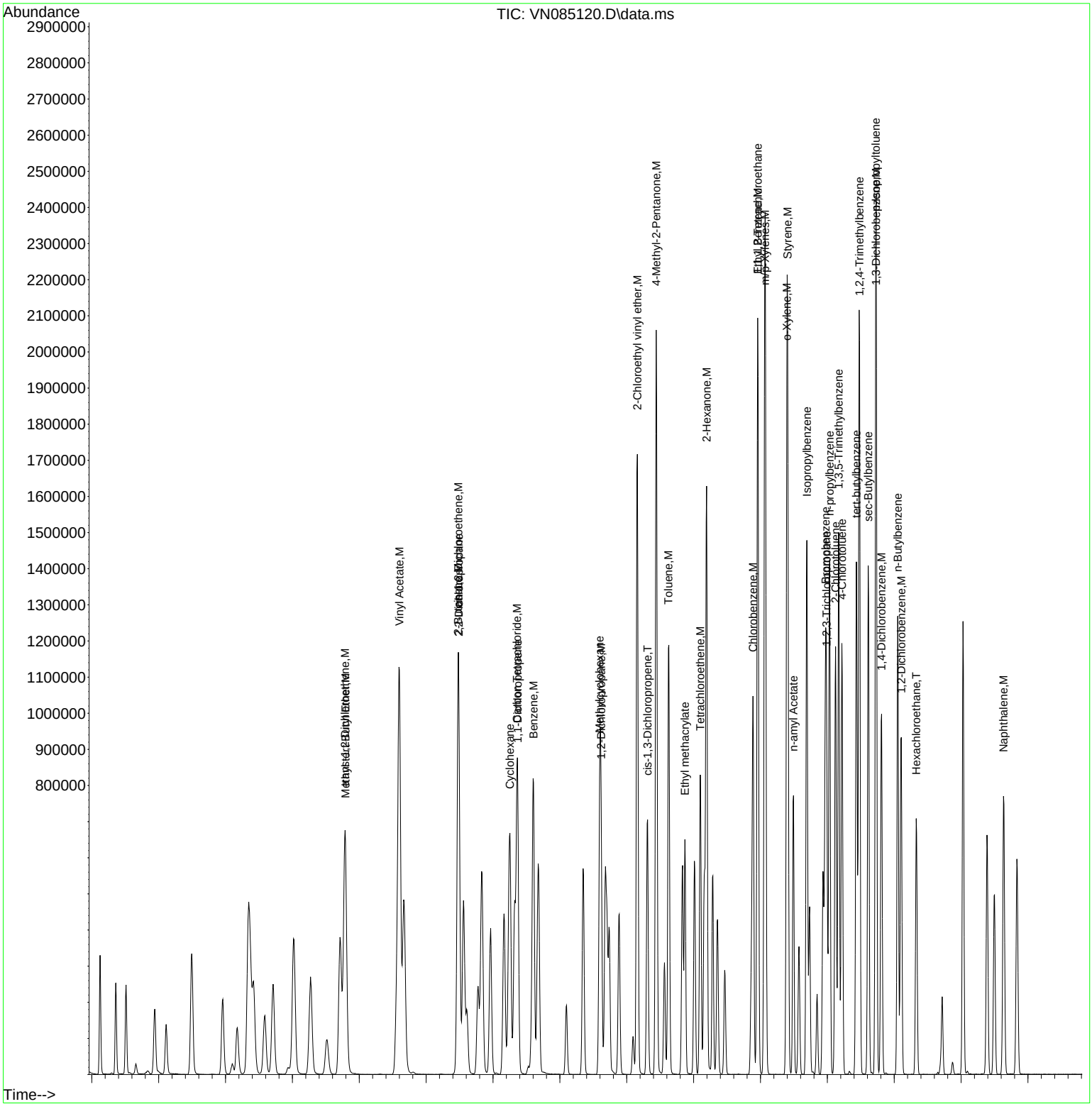
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Data File : VN085120.D
Acq On : 06 Dec 2024 11:13
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

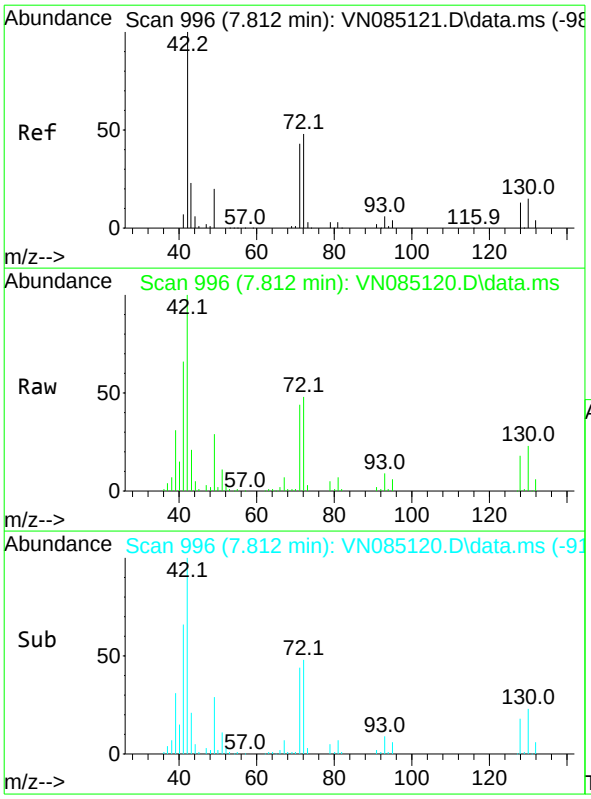
Quant Time: Dec 06 22:30:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

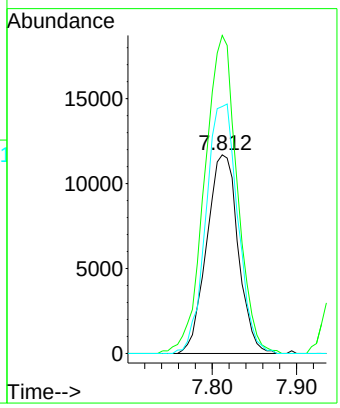




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:128 Resp: 30288

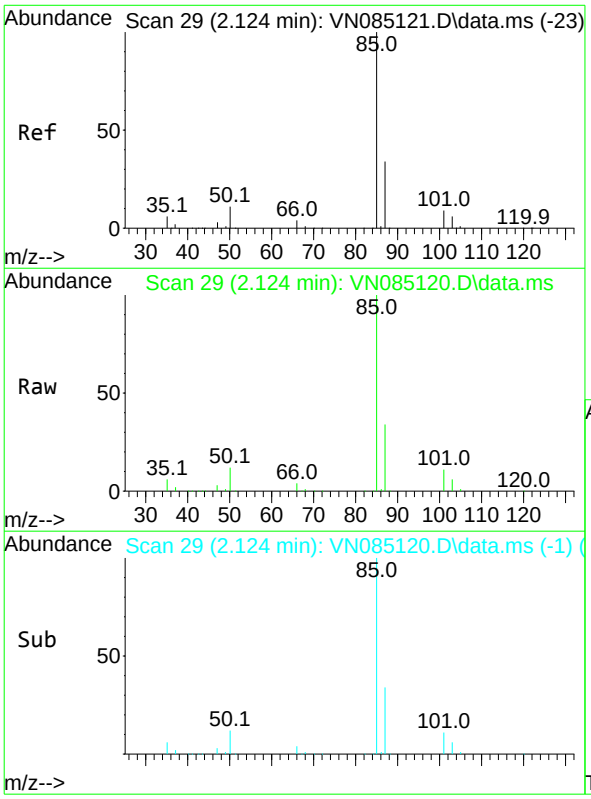
Ion	Ratio	Lower	Upper
128	100		
49	165.3	0.0	394.5
130	127.2	0.0	316.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

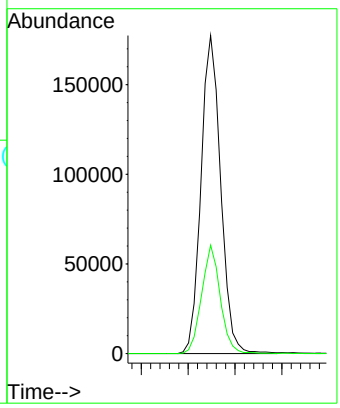
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

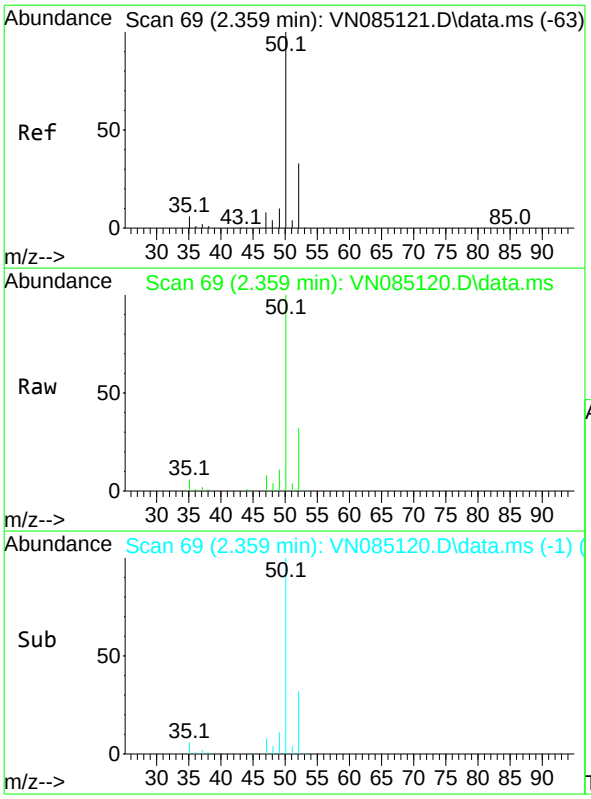


#2
Dichlorodifluoromethane
Concen: 106.887 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 85 Resp: 259006

Ion	Ratio	Lower	Upper
85	100		
87	34.1	16.8	50.3

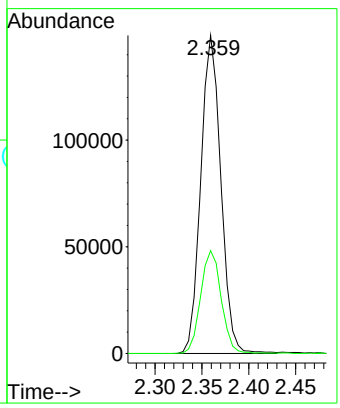




#3
Chloromethane
Concen: 103.665 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 50 Resp: 222342

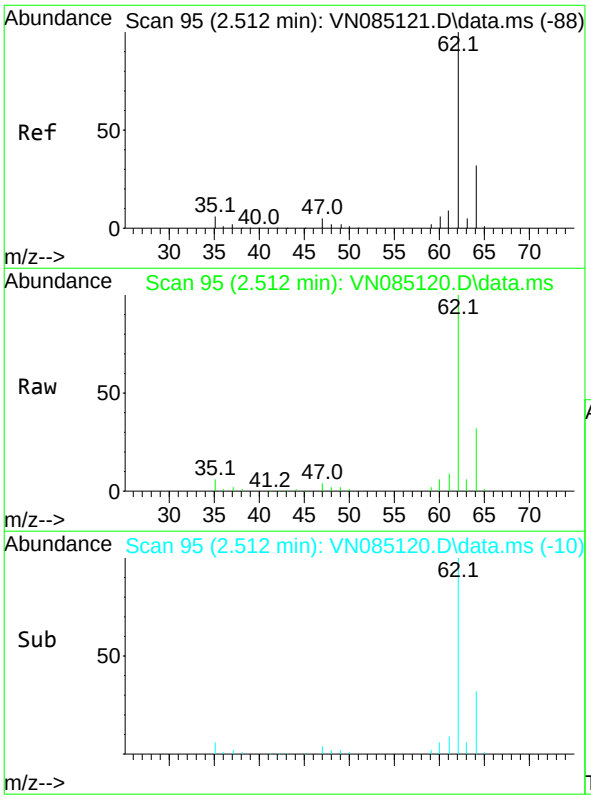
Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.0	37.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

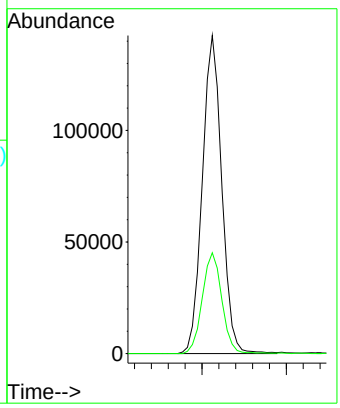
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

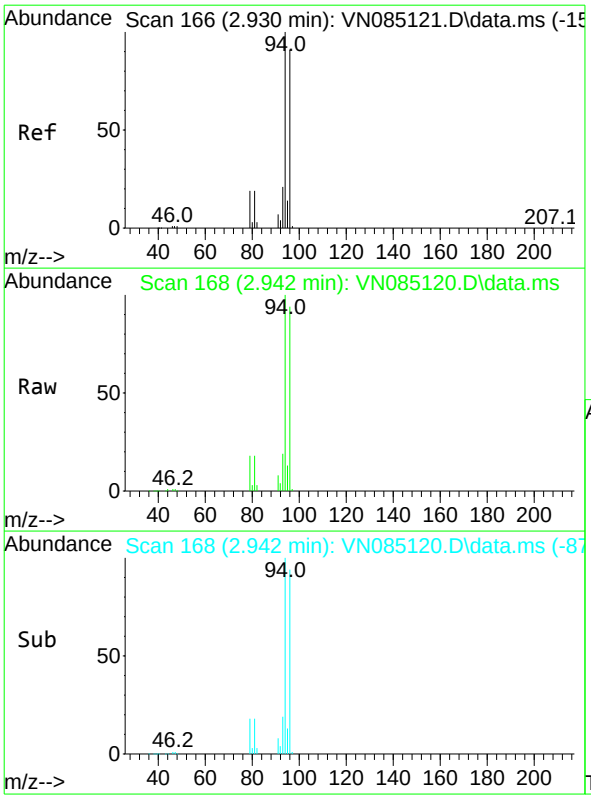


#4
Vinyl Chloride
Concen: 103.912 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 62 Resp: 227959

Ion	Ratio	Lower	Upper
62	100		
64	31.7	24.9	37.3

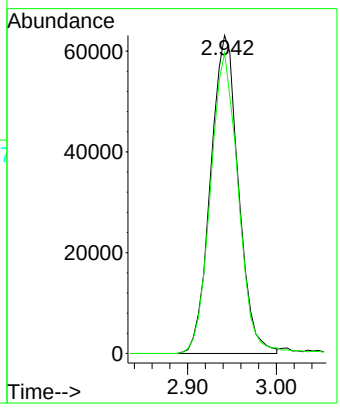




#5
Bromomethane
Concen: 98.857 ug/l
RT: 2.942 min Scan# 16
Delta R.T. -0.024 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 94 Resp: 137690

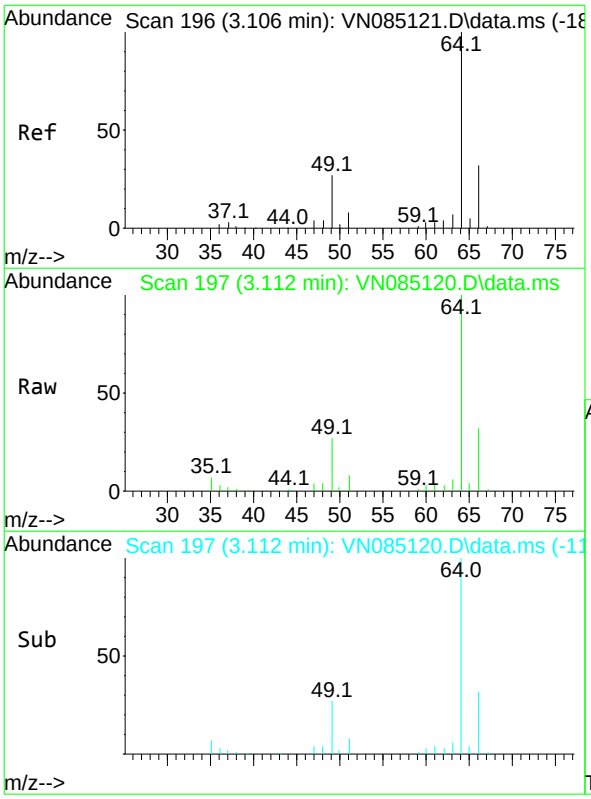
Ion	Ratio	Lower	Upper
94	100		
96	94.5	76.2	114.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

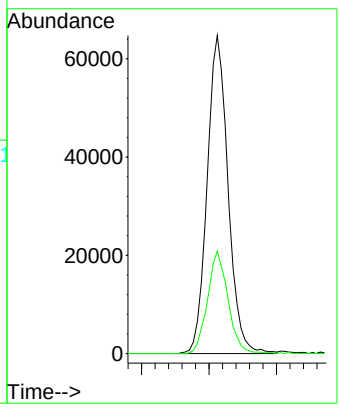
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

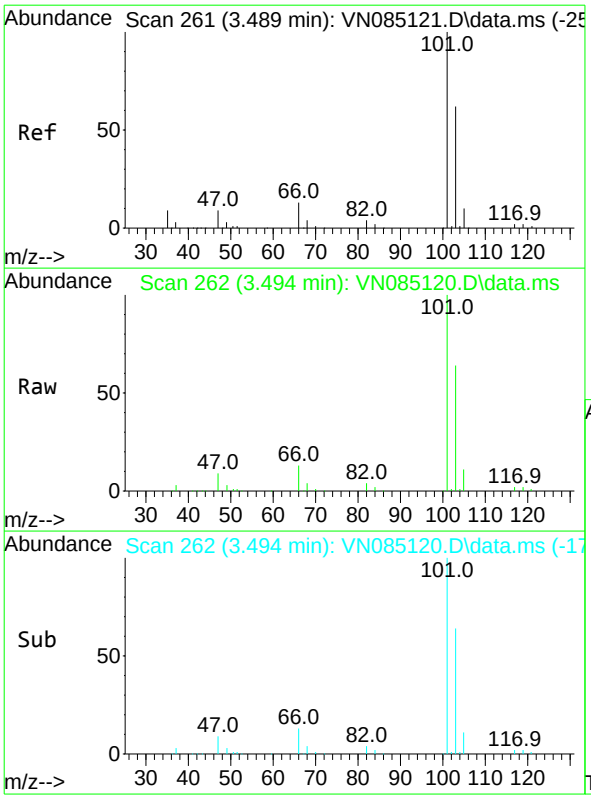


#6
Chloroethane
Concen: 103.541 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.012 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 64 Resp: 139552

Ion	Ratio	Lower	Upper
64	100		
66	32.2	25.5	38.3

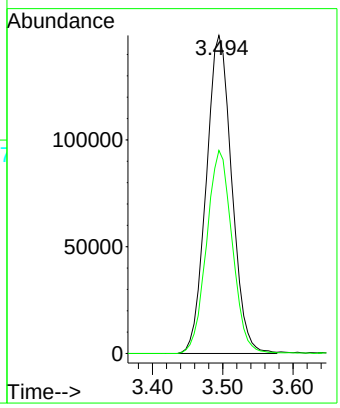




#7
Trichlorofluoromethane
Concen: 104.742 ug/l
RT: 3.494 min Scan# 26
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:101 Resp: 376125

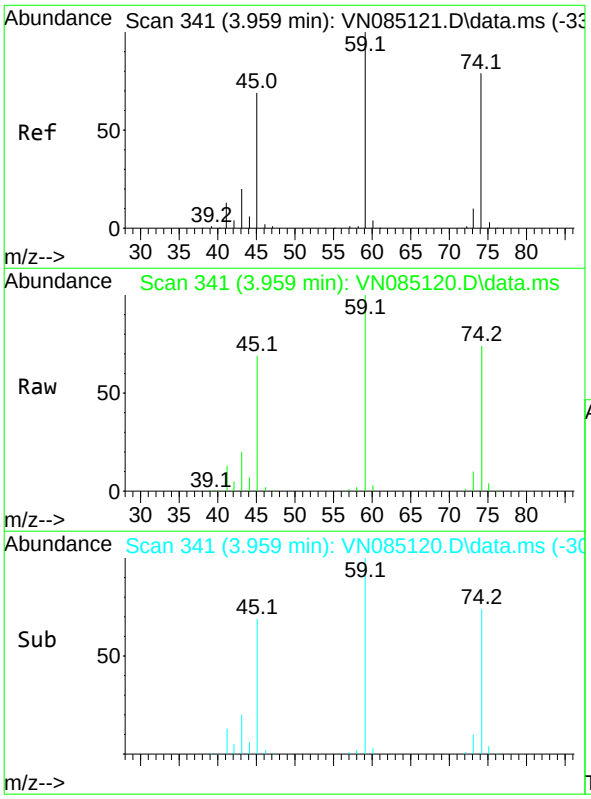
Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.3	76.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

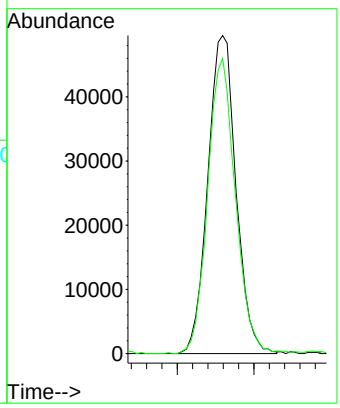
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

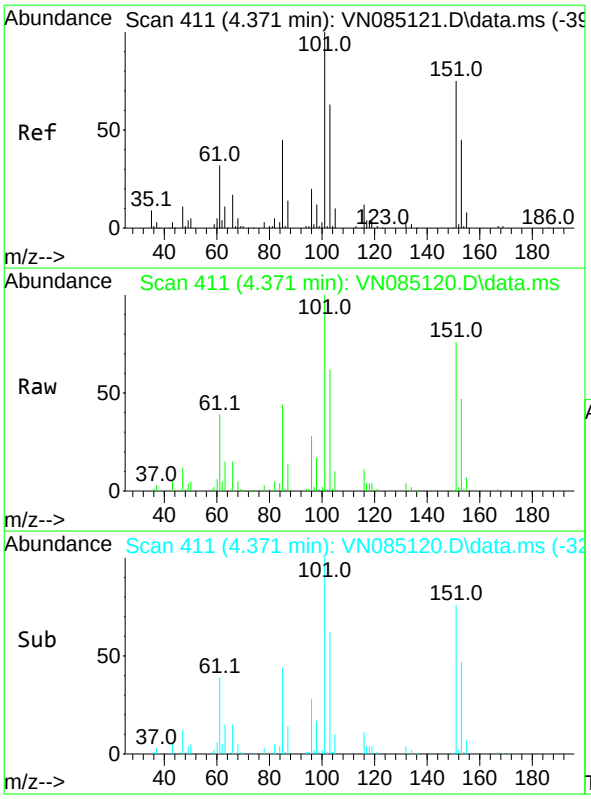


#8
Diethyl Ether
Concen: 111.303 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 74 Resp: 126597

Ion	Ratio	Lower	Upper
74	100		
45	90.9	18.6	167.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 103.665 ug/l
RT: 4.371 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

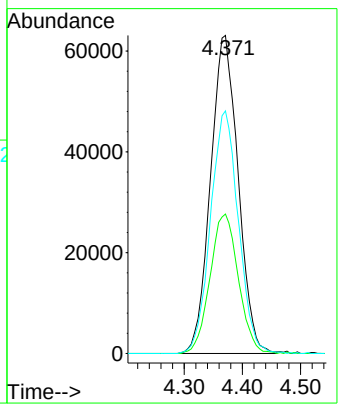
Tgt Ion:101 Resp: 208174

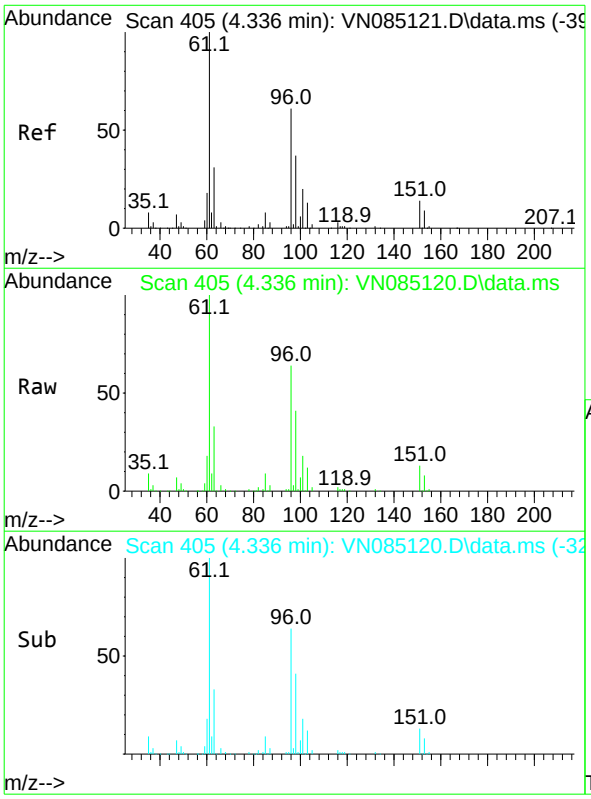
Ion	Ratio	Lower	Upper
101	100		
85	45.0	0.0	88.6
151	77.0	0.0	155.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

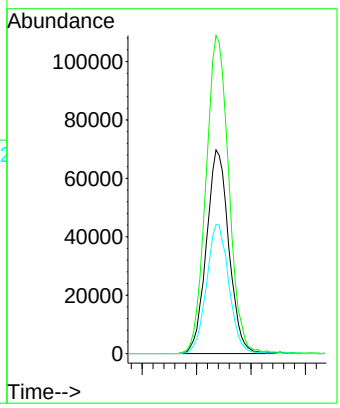


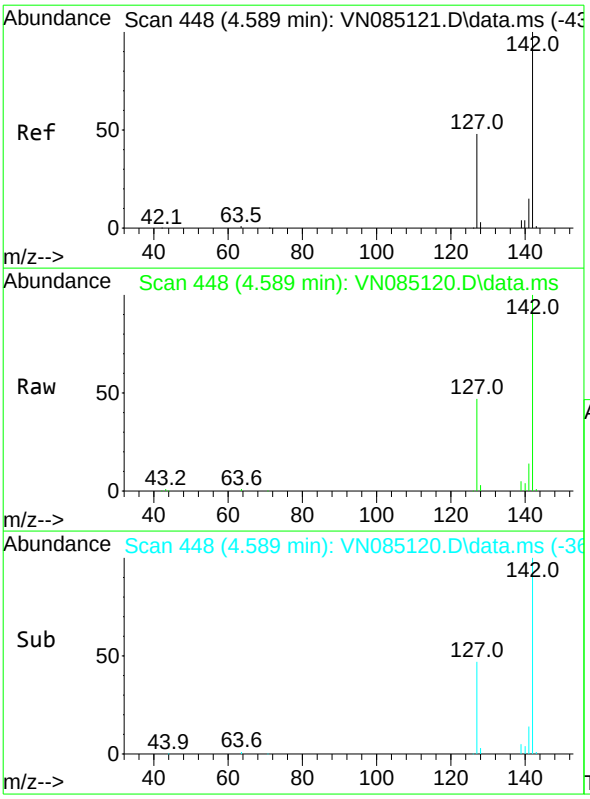


#10
1,1-Dichloroethene
Concen: 108.286 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 96 Resp: 199737

Ion	Ratio	Lower	Upper
96	100		
61	156.2	123.0	184.4
98	63.4	49.1	73.7

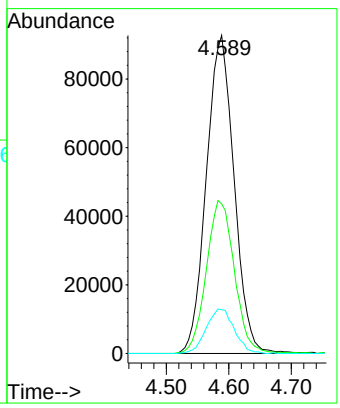




#11
Methyl Iodide
Concen: 111.529 ug/l
RT: 4.589 min Scan# 44
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:142 Resp: 285314

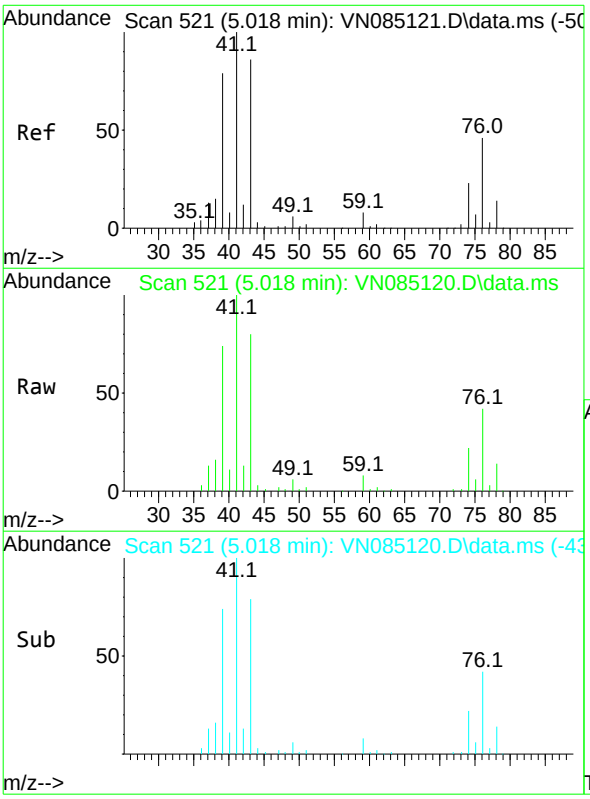
Ion	Ratio	Lower	Upper
142	100		
127	46.9	22.5	67.5
141	13.8	8.3	24.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

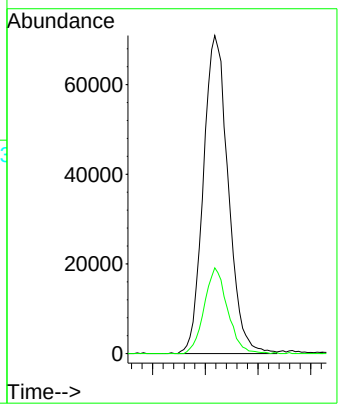
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

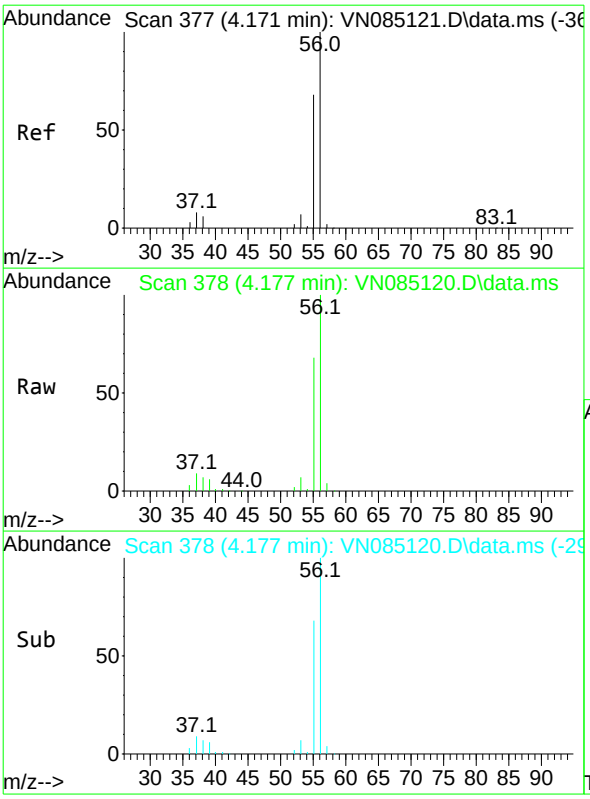


#12
Methyl Acetate
Concen: 106.935 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 43 Resp: 232698

Ion	Ratio	Lower	Upper
43	100		
74	26.9	19.8	29.6

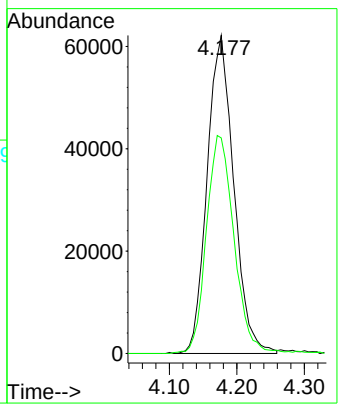




#13
Acrolein
Concen: 539.405 ug/l
RT: 4.177 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 56 Resp: 170574

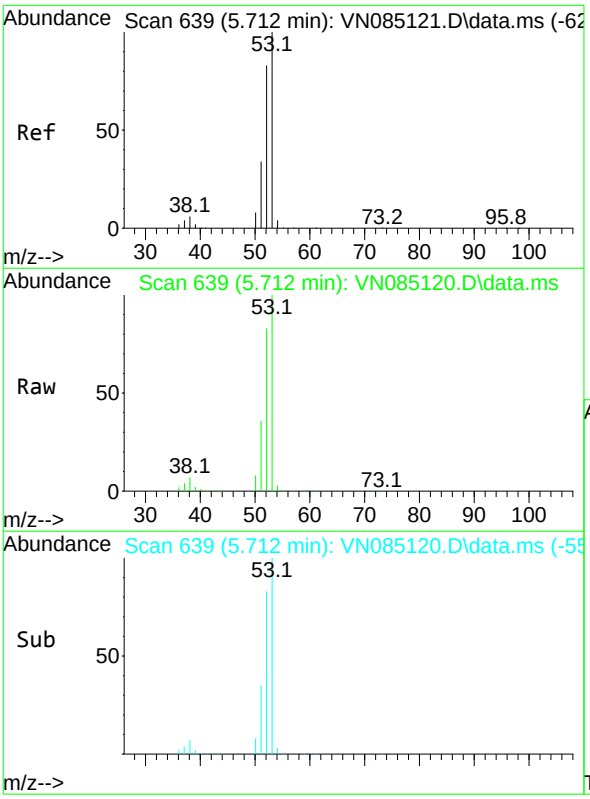
Ion	Ratio	Lower	Upper
56	100		
55	70.6	59.4	89.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

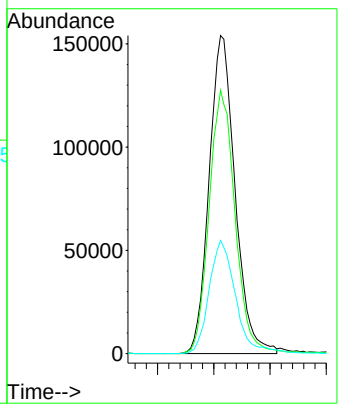
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

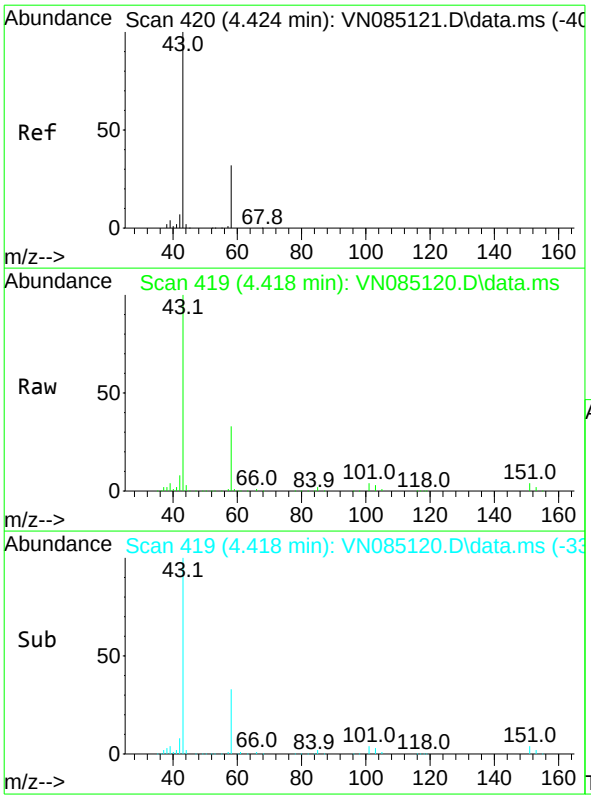


#14
Acrylonitrile
Concen: 545.734 ug/l
RT: 5.712 min Scan# 639
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 53 Resp: 493102

Ion	Ratio	Lower	Upper
53	100		
52	82.7	42.9	128.5
51	36.4	17.2	51.5

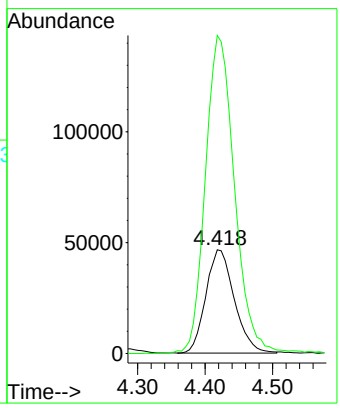




#15
Acetone
Concen: 557.523 ug/l
RT: 4.418 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 58 Resp: 136513

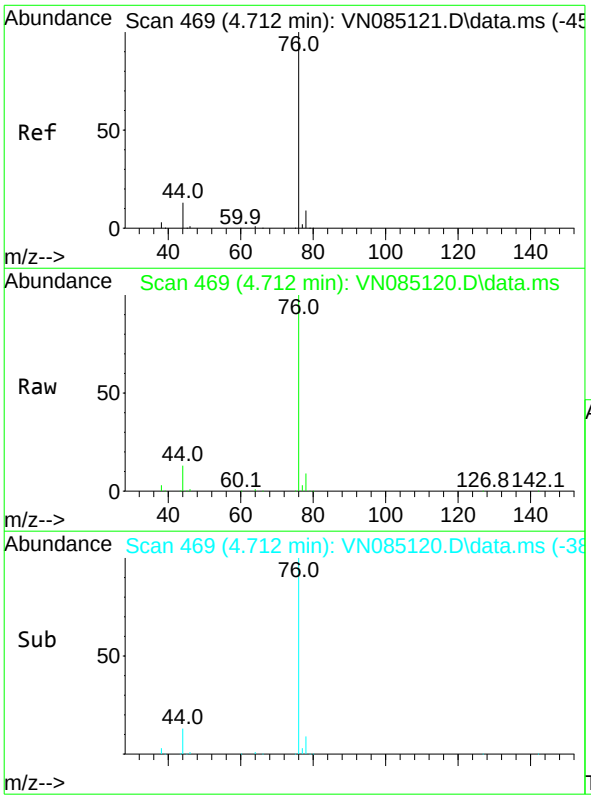
Ion	Ratio	Lower	Upper
58	100		
43	305.3	242.3	363.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

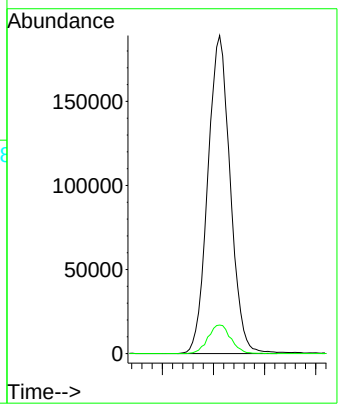
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

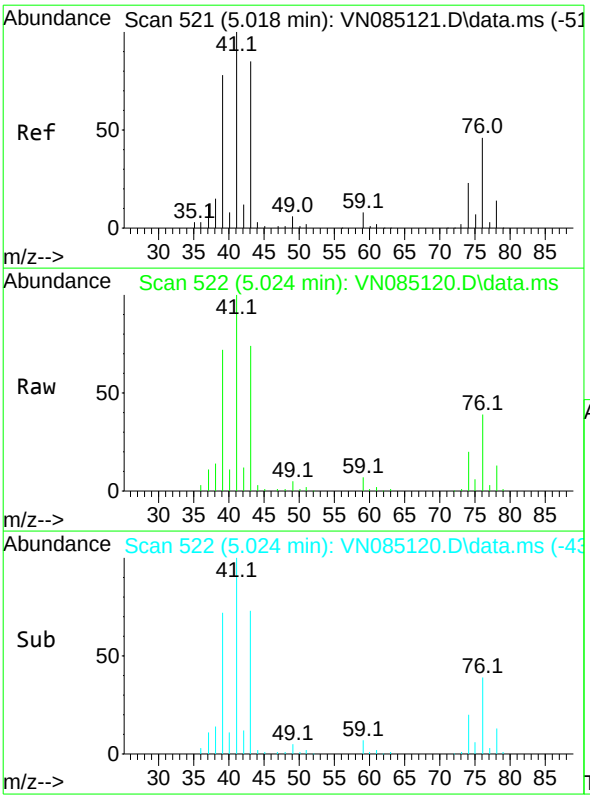


#16
Carbon Disulfide
Concen: 104.540 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 76 Resp: 576373

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

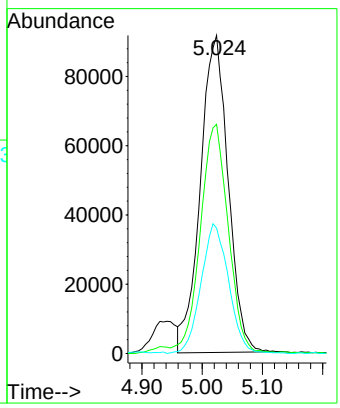




#17
Allyl chloride
Concen: 111.032 ug/l
RT: 5.024 min Scan# 52
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 41 Resp: 293051

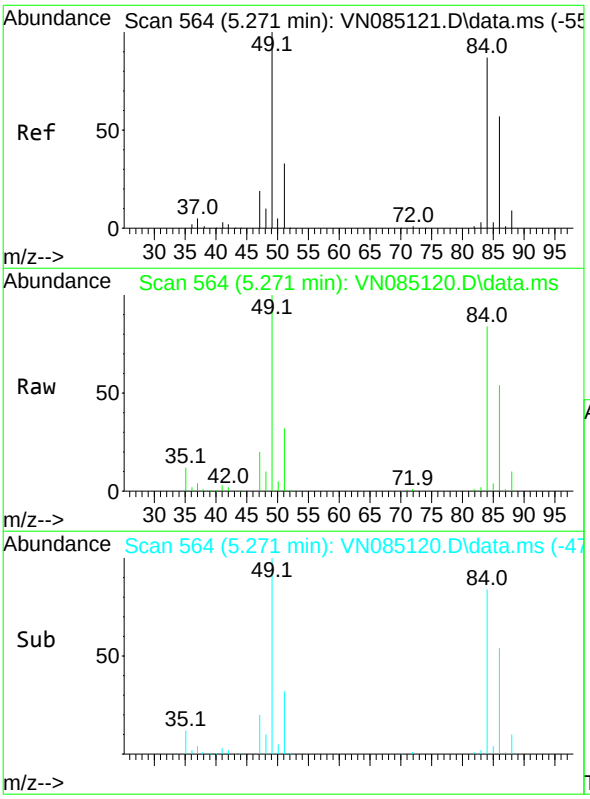
Ion	Ratio	Lower	Upper
41	100		
39	72.2	32.0	96.2
76	39.4	20.2	60.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

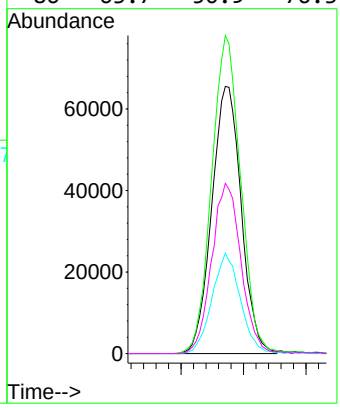
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

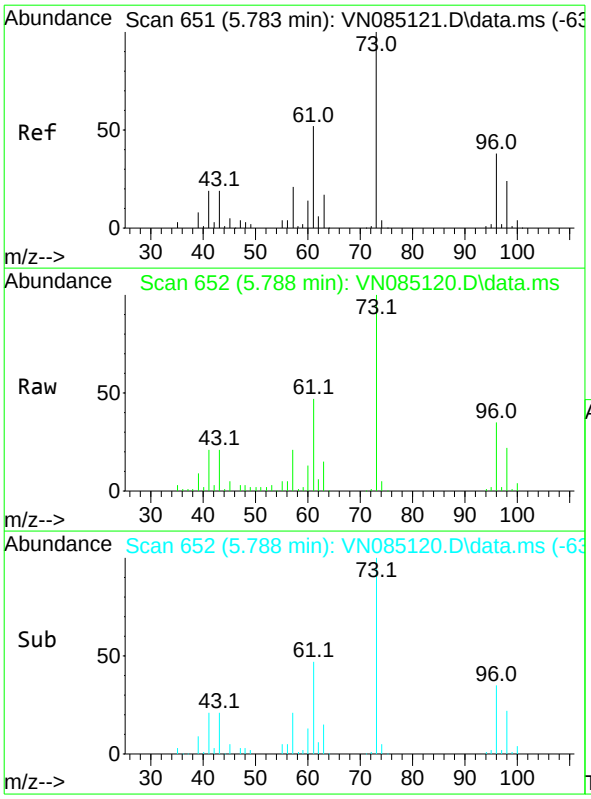


#18
Methylene Chloride
Concen: 102.597 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 84 Resp: 214729

Ion	Ratio	Lower	Upper
84	100		
49	118.8	95.1	142.7
51	37.5	27.4	41.0
86	63.7	50.9	76.3

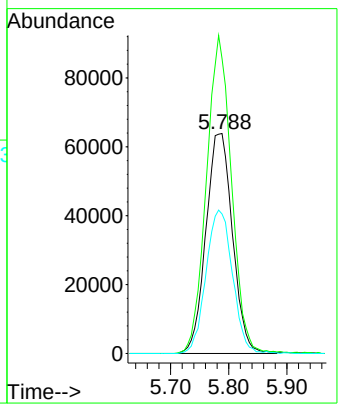




#19
trans-1,2-Dichloroethene
Concen: 105.945 ug/l
RT: 5.788 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 96 Resp: 203123

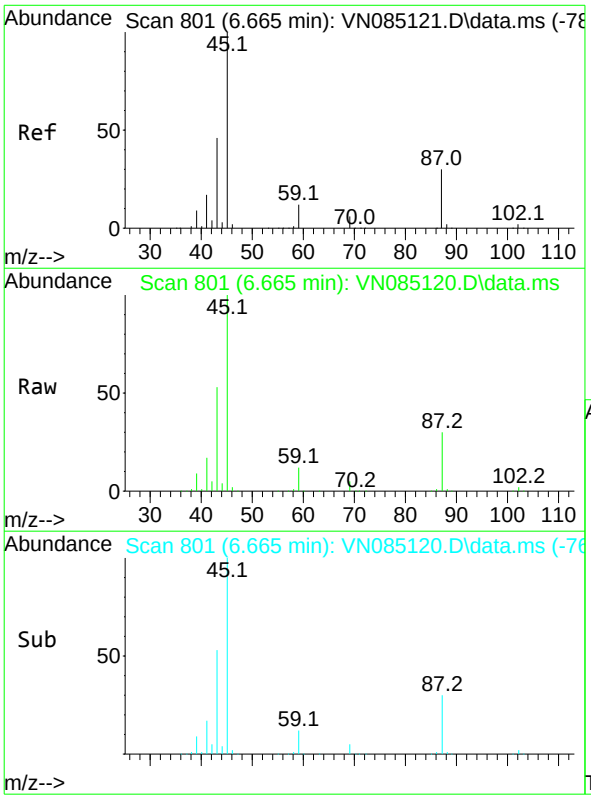
Ion	Ratio	Lower	Upper
96	100		
61	133.8	100.4	150.6
98	63.4	52.6	79.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

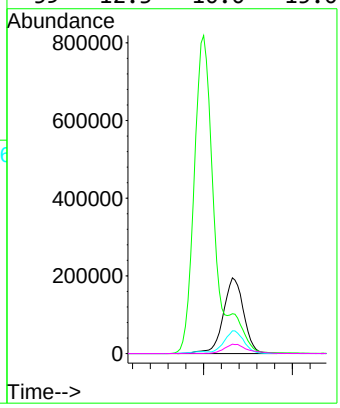
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

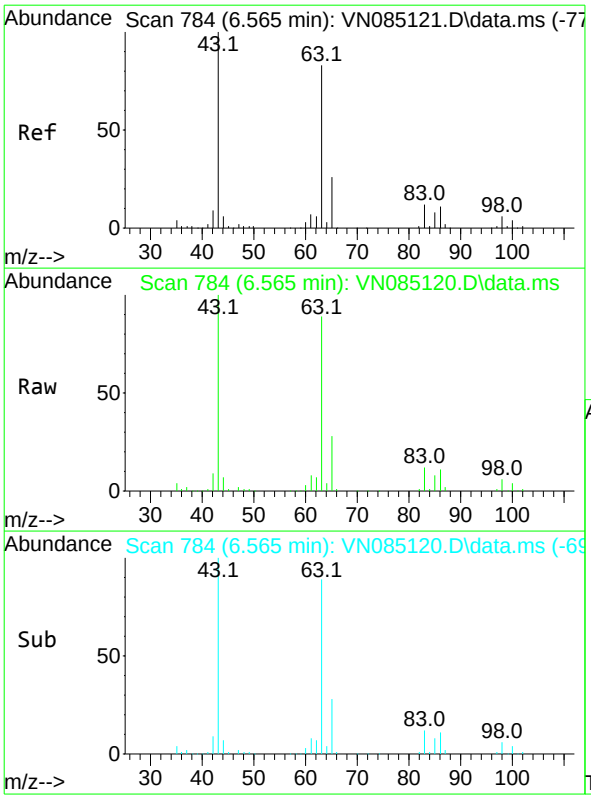


#20
Diisopropyl ether
Concen: 107.259 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 45 Resp: 621282

Ion	Ratio	Lower	Upper
45	100		
43	51.6	41.9	62.9
87	29.9	24.1	36.1
59	12.3	10.0	15.0

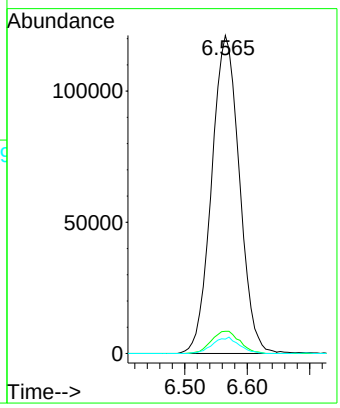




#21
1,1-Dichloroethane
Concen: 104.639 ug/l
RT: 6.565 min Scan# 78
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 63 Resp: 374090

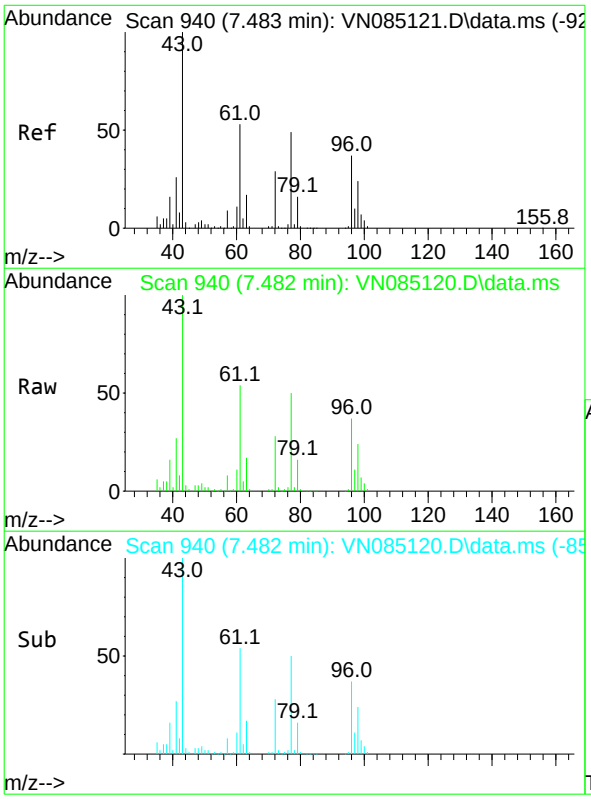
Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.4
100	4.5	1.6	4.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

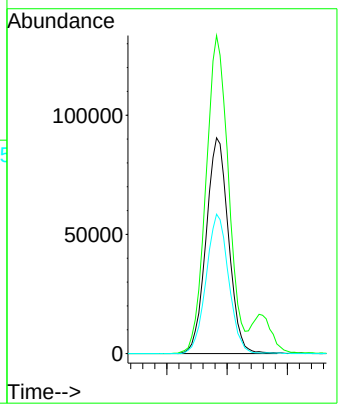
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

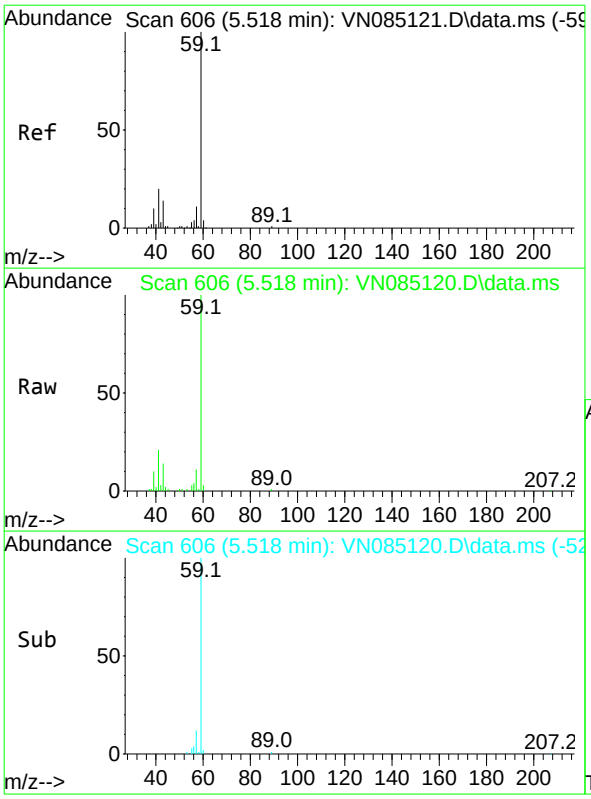


#22
cis-1,2-Dichloroethene
Concen: 106.277 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 96 Resp: 234199

Ion	Ratio	Lower	Upper
96	100		
61	147.4	115.9	173.9
98	64.7	51.8	77.8

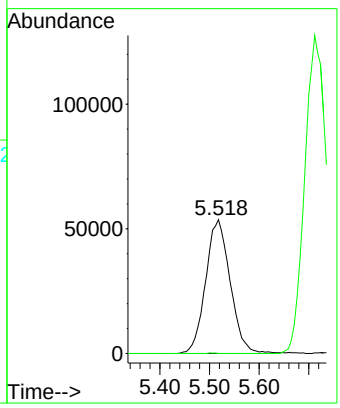




#23
tert-Butyl Alcohol
Concen: 568.118 ug/l
RT: 5.518 min Scan# 60
Delta R.T. 0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 59 Resp: 184150

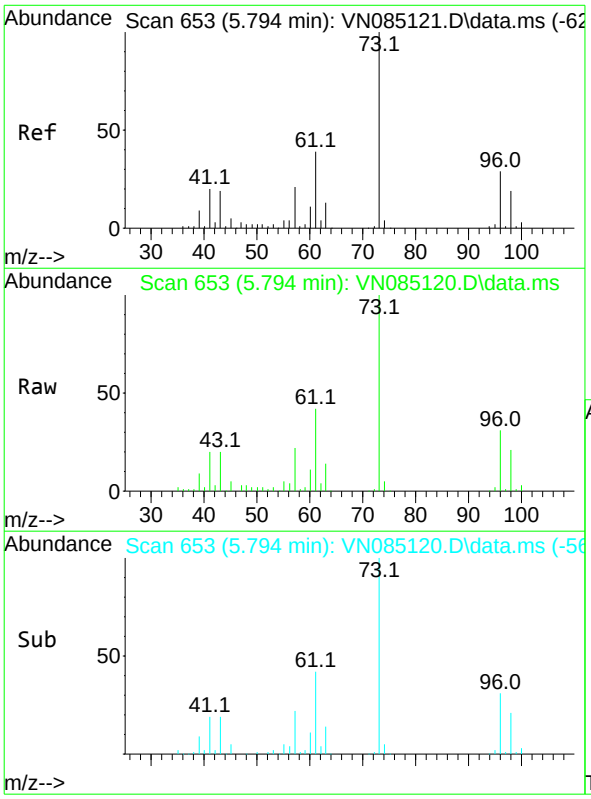
Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.0	0.0#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

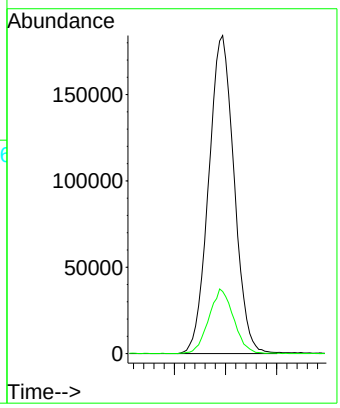
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

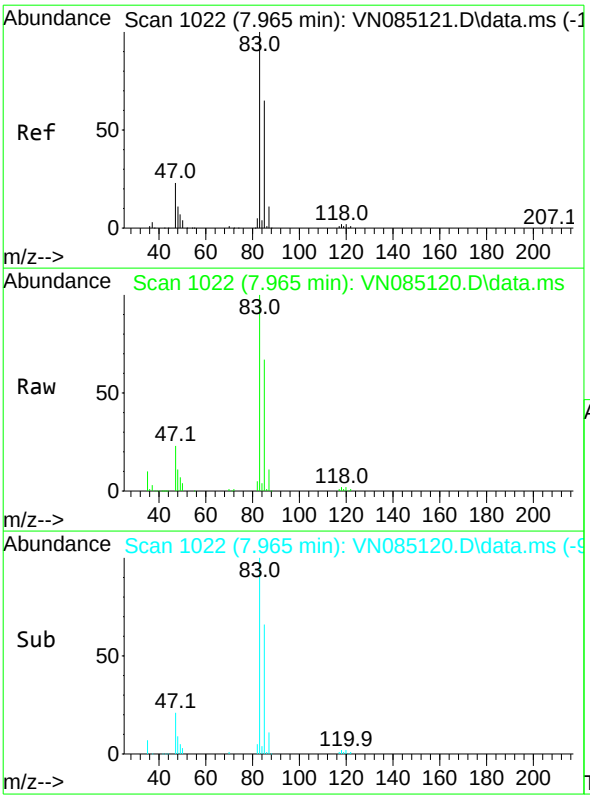


#24
Methyl tert-Butyl Ether
Concen: 110.650 ug/l
RT: 5.794 min Scan# 653
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 73 Resp: 637140

Ion	Ratio	Lower	Upper
73	100		
43	19.7	8.7	13.1#

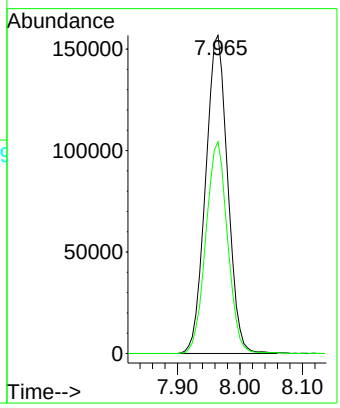




#25
Chloroform
Concen: 102.776 ug/l
RT: 7.965 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 83 Resp: 384926

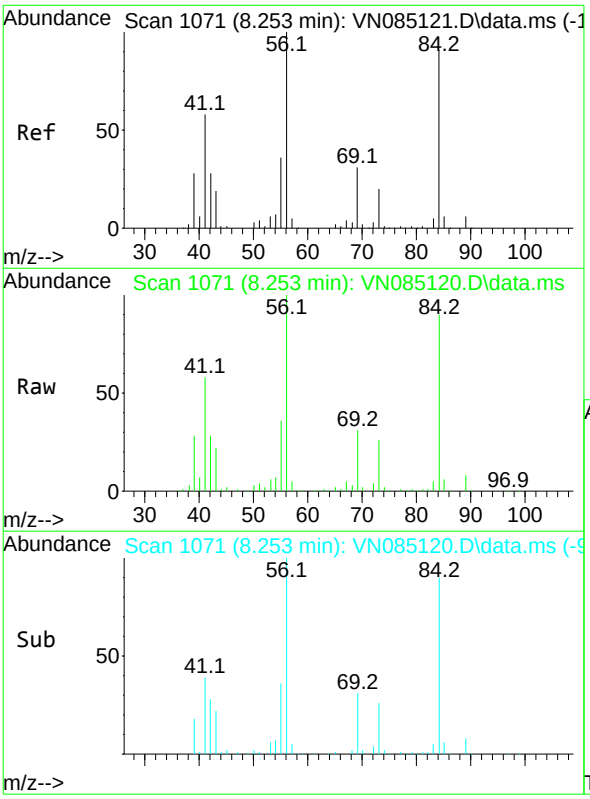
Ion	Ratio	Lower	Upper
83	100		
85	66.6	49.4	74.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

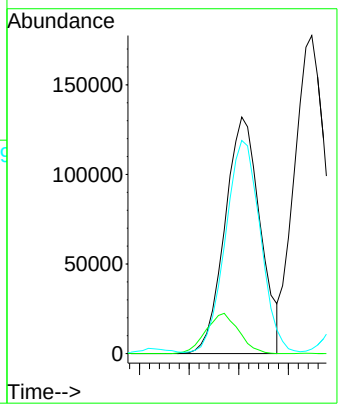
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

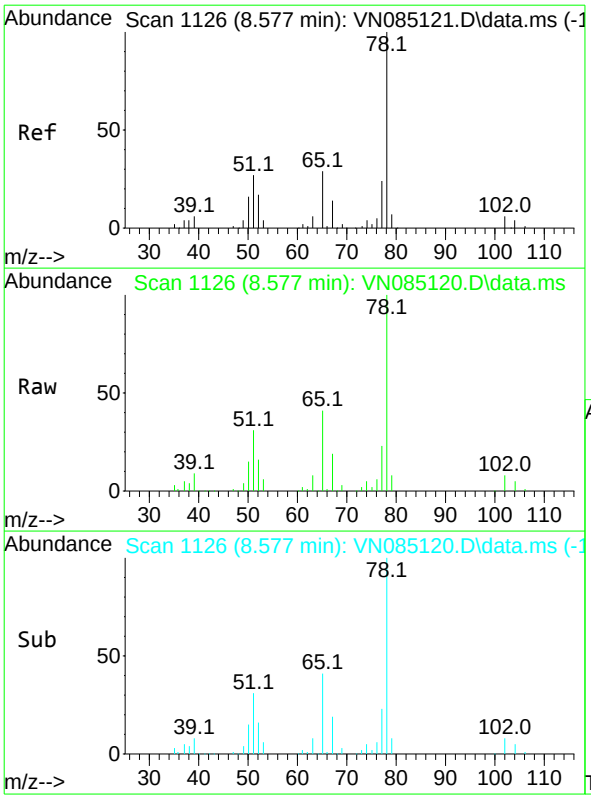


#26
Cyclohexane
Concen: 111.090 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 56 Resp: 327008

Ion	Ratio	Lower	Upper
56	100		
89	15.9	19.5	29.3#
84	89.7	70.6	105.8

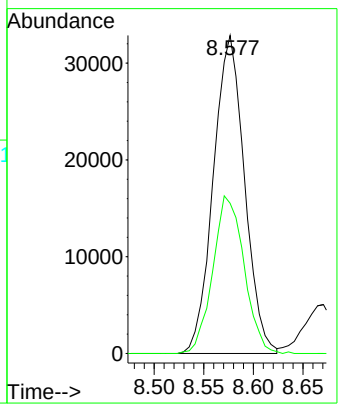




#27
1,2-Dichloroethane-d4
Concen: 29.873 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 65 Resp: 71793

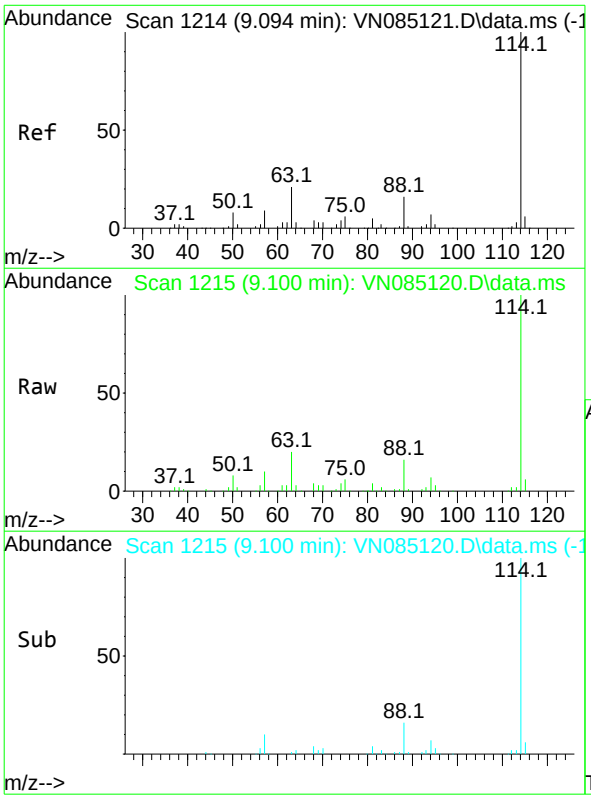
Ion	Ratio	Lower	Upper
65	100		
67	49.6	39.9	59.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

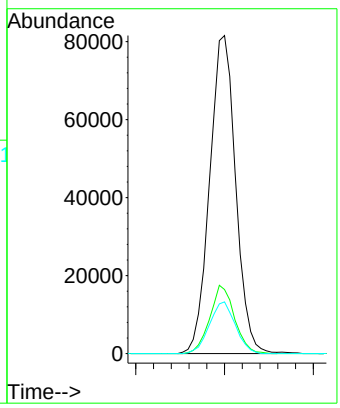
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

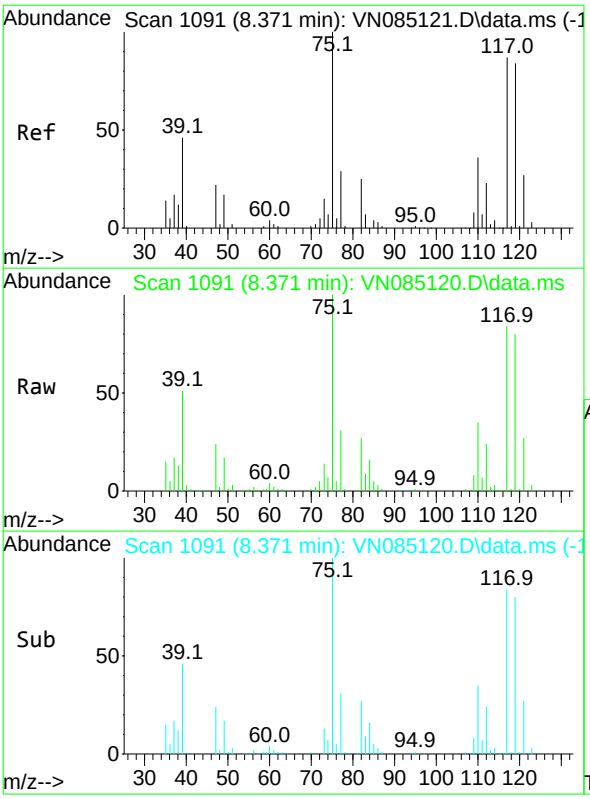


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:114 Resp: 165873

Ion	Ratio	Lower	Upper
114	100		
63	20.4	16.2	24.2
88	16.2	12.5	18.7

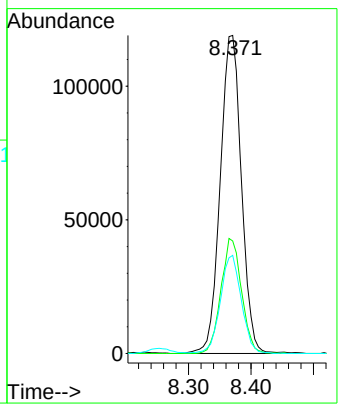




#29
1,1-Dichloropropene
Concen: 104.562 ug/l
RT: 8.371 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 75 Resp: 279872

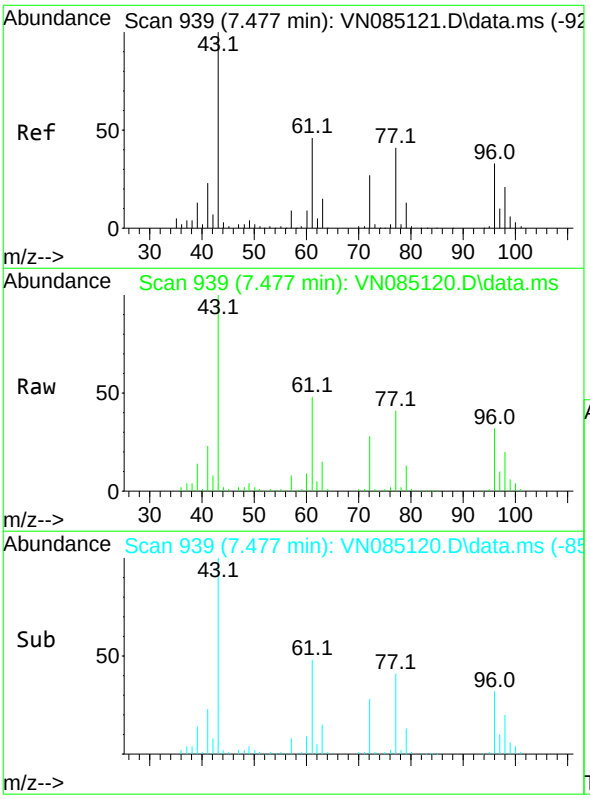
Ion	Ratio	Lower	Upper
75	100		
110	35.1	0.0	71.6
77	30.7	0.0	62.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

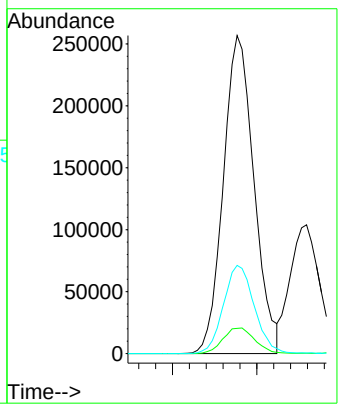
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

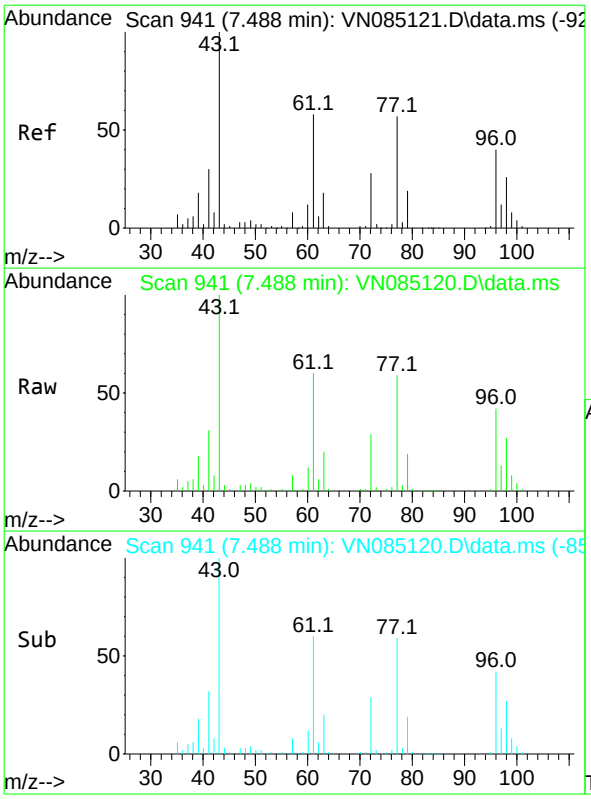


#30
2-Butanone
Concen: 528.323 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 43 Resp: 648934

Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.9	10.3
72	27.9	21.8	32.8

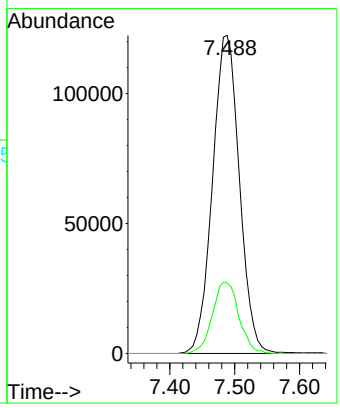




#31
2,2-Dichloropropane
Concen: 102.508 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 77 Resp: 351838

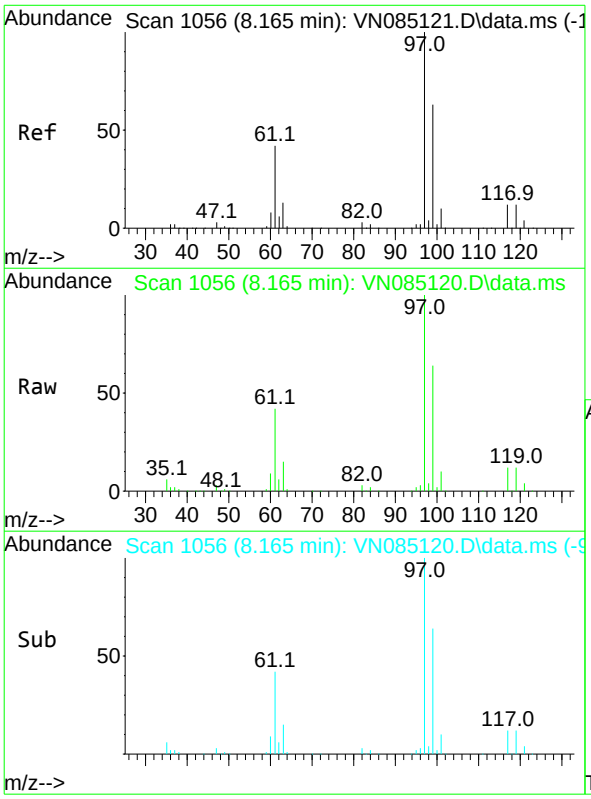
Ion	Ratio	Lower	Upper
77	100		
97	22.1	0.0	0.0#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

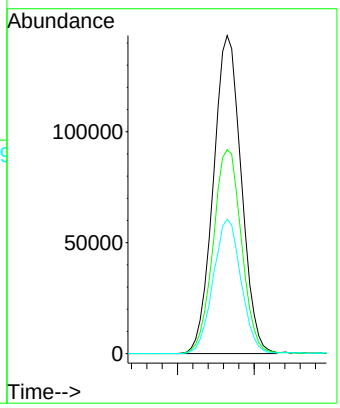
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

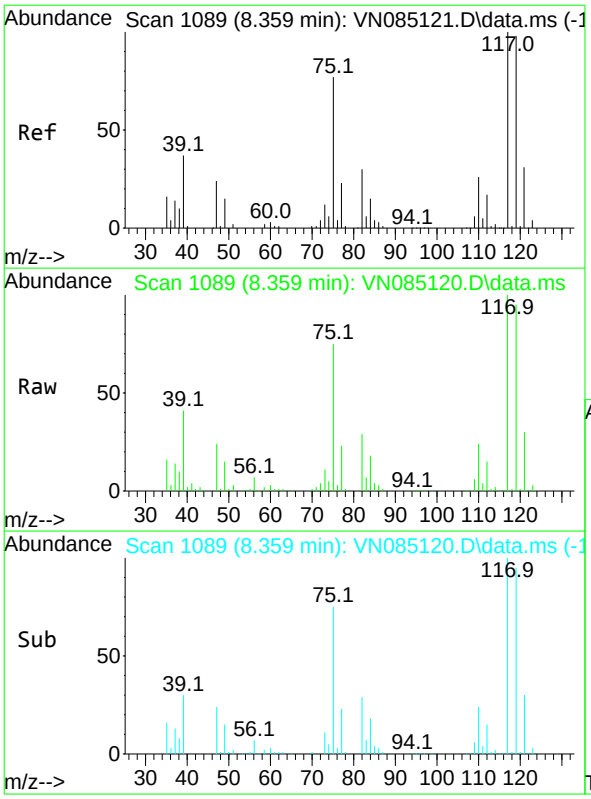


#32
1,1,1-Trichloroethane
Concen: 100.216 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 97 Resp: 363069

Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.8	76.2
61	42.1	32.7	49.1

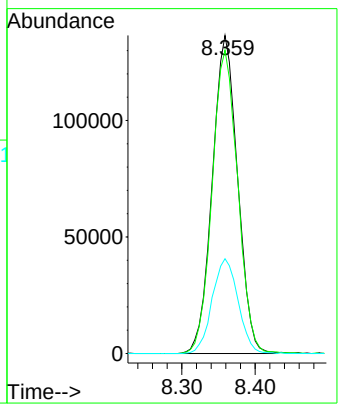




#33
Carbon Tetrachloride
Concen: 100.027 ug/l
RT: 8.359 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:117 Resp: 327001

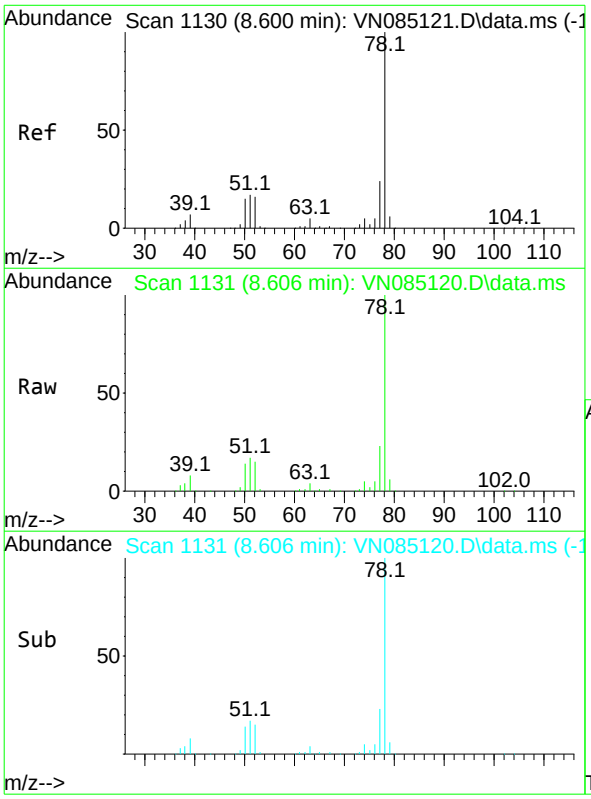
Ion	Ratio	Lower	Upper
117	100		
119	95.3	81.6	122.4
121	29.8	26.5	39.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

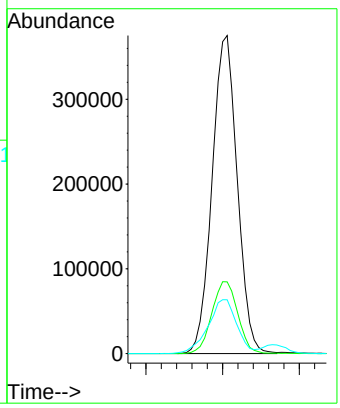
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

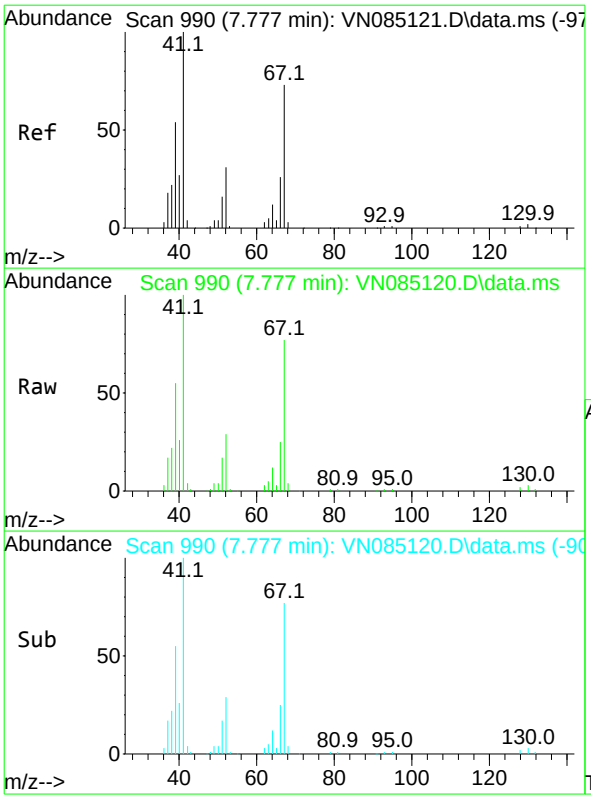


#34
Benzene
Concen: 101.479 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 78 Resp: 853279

Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.0	27.0
51	16.7	12.4	18.6

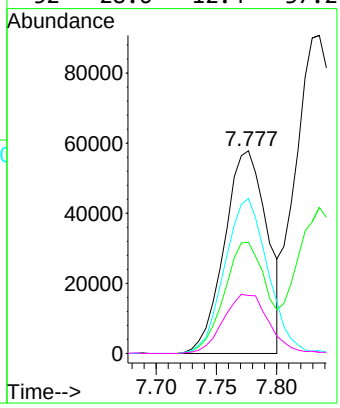




#35
Methacrylonitrile
Concen: 103.194 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 41 Resp: 142639

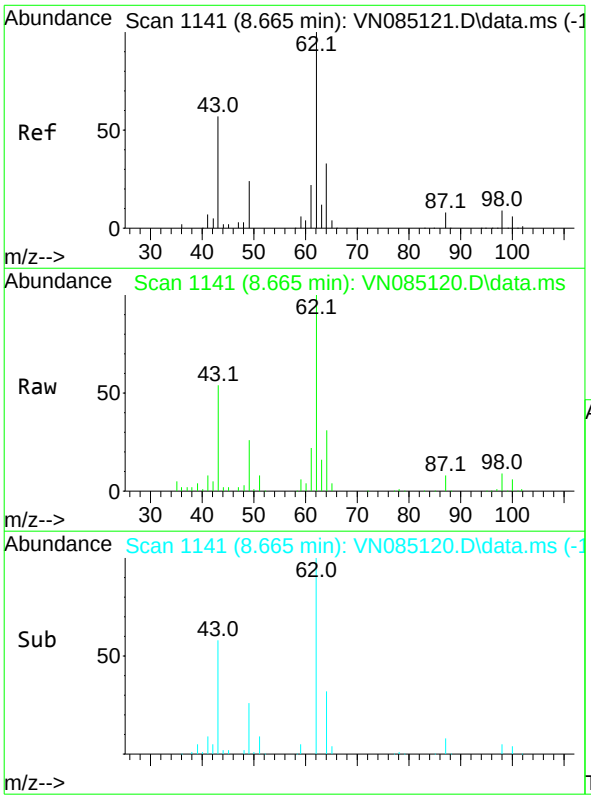
Ion	Ratio	Lower	Upper
41	100		
39	54.9	24.4	73.2
67	76.5	37.0	110.9
52	28.6	12.4	37.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

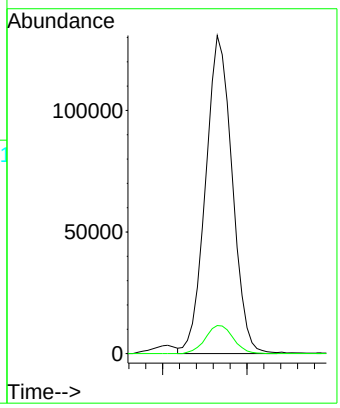
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

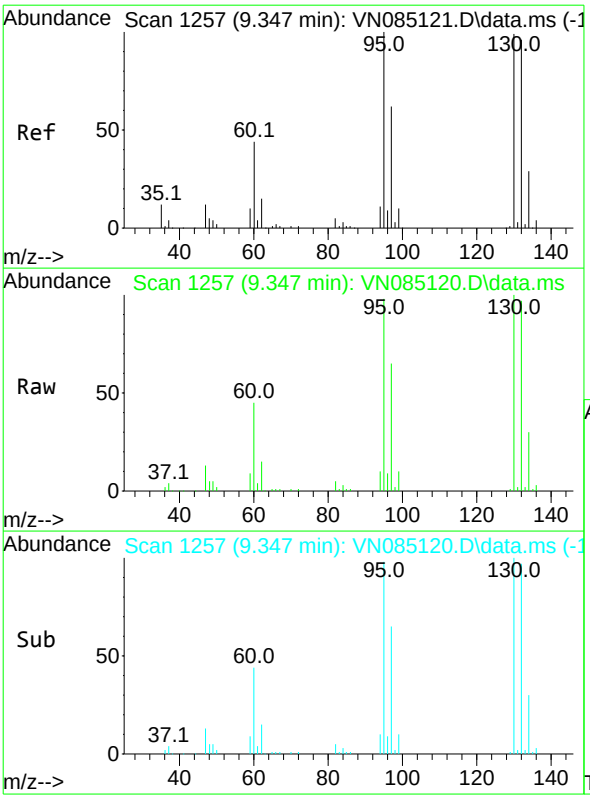


#36
1,2-Dichloroethane
Concen: 100.087 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 62 Resp: 286487

Ion	Ratio	Lower	Upper
62	100		
98	9.2	7.3	10.9

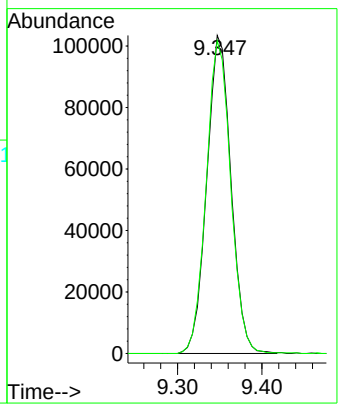




#37
Trichloroethene
Concen: 103.077 ug/l
RT: 9.347 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:130 Resp: 206395

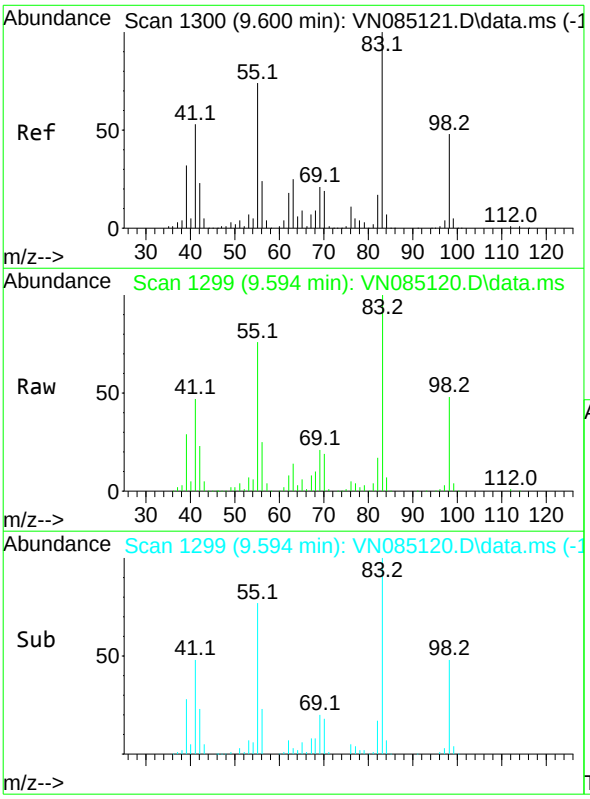
Ion	Ratio	Lower	Upper
130	100		
95	98.3	76.2	114.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

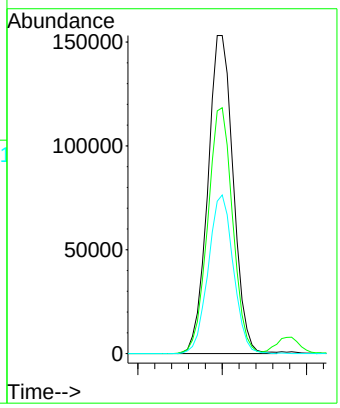
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

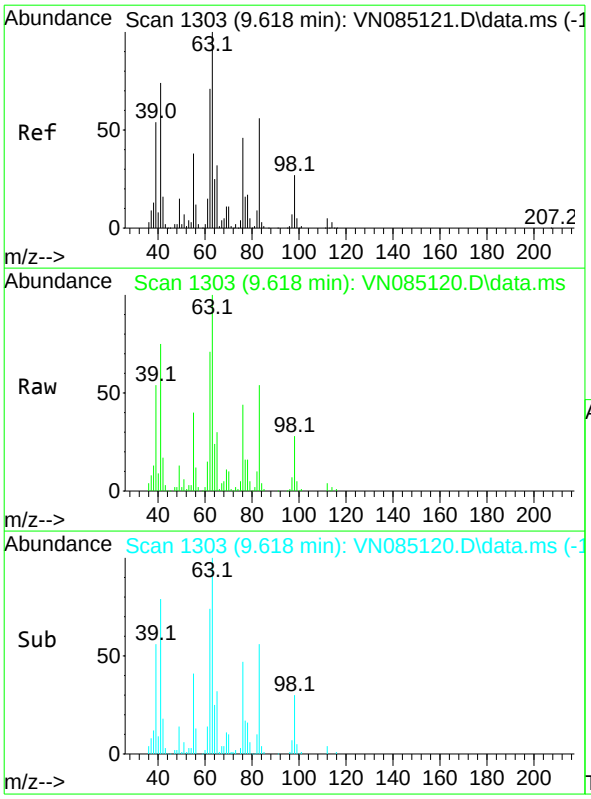


#38
Methylcyclohexane
Concen: 110.090 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 83 Resp: 320395

Ion	Ratio	Lower	Upper
83	100		
55	75.8	41.4	124.4
98	49.2	25.7	77.1

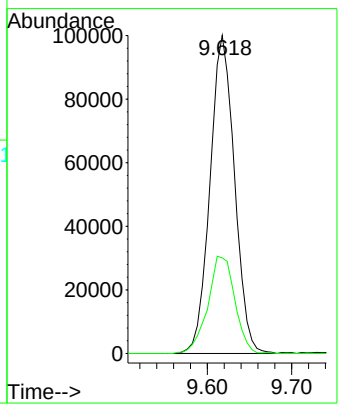




#39
1,2-Dichloropropane
Concen: 99.263 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 63 Resp: 202160

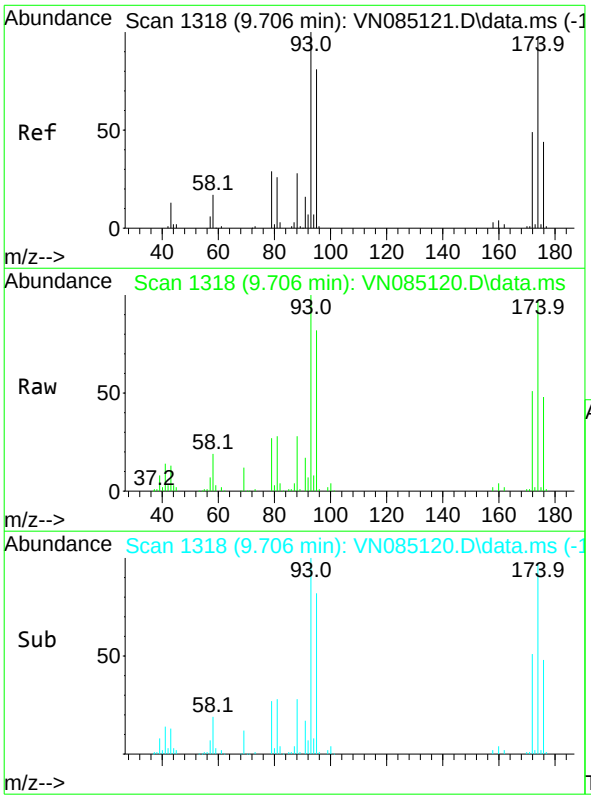
Ion	Ratio	Lower	Upper
63	100		
65	30.0	23.4	35.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

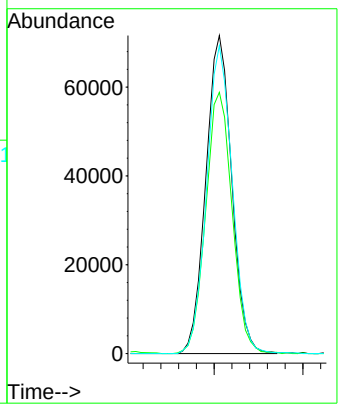
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

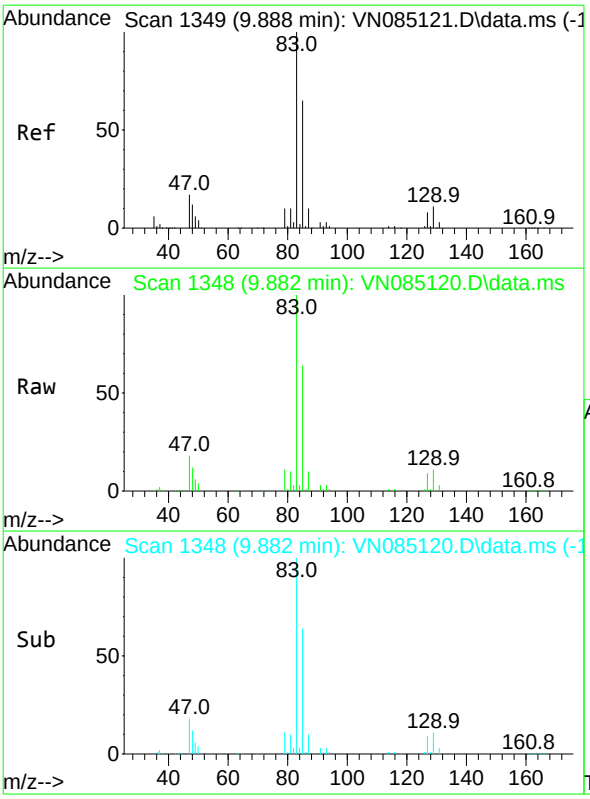


#40
Dibromomethane
Concen: 99.515 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 93 Resp: 145378

Ion	Ratio	Lower	Upper
93	100		
95	83.7	0.0	169.4
174	95.7	0.0	189.8

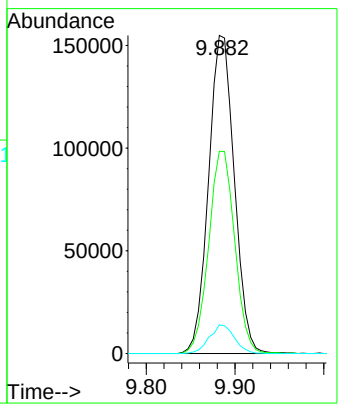




#41
Bromodichloromethane
Concen: 100.007 ug/l
RT: 9.882 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 83 Resp: 312321

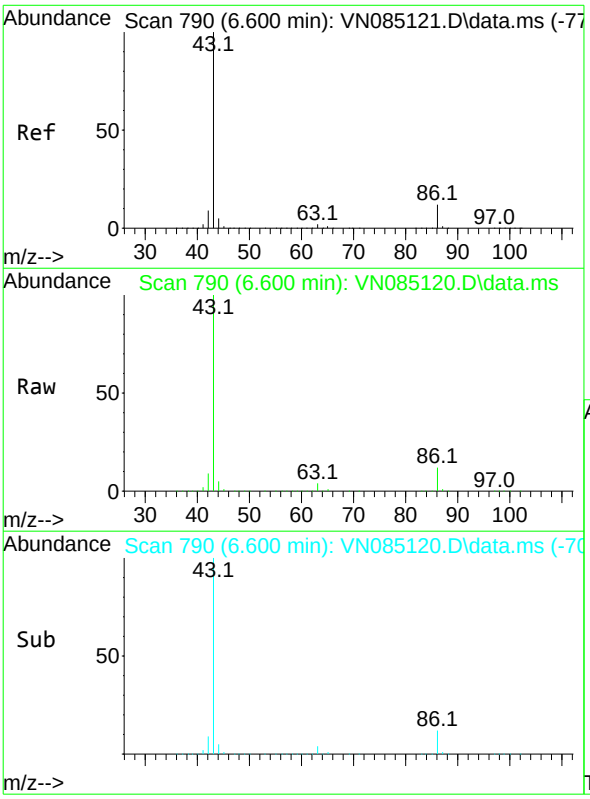
Ion	Ratio	Lower	Upper
83	100		
85	63.6	54.6	81.8
127	9.0	7.0	10.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

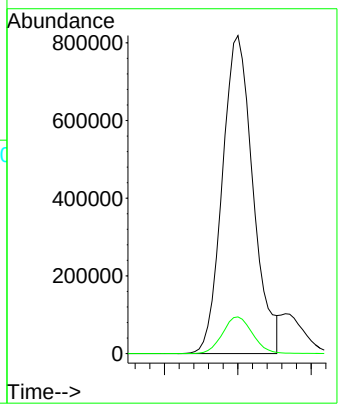
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

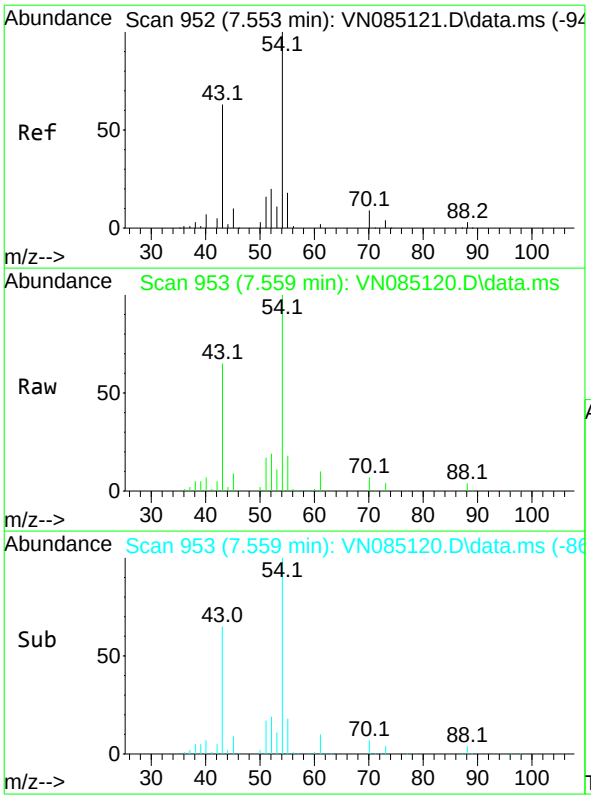


#42
Vinyl Acetate
Concen: 553.721 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 43 Resp: 2379940

Ion	Ratio	Lower	Upper
43	100		
86	11.3	9.2	13.8

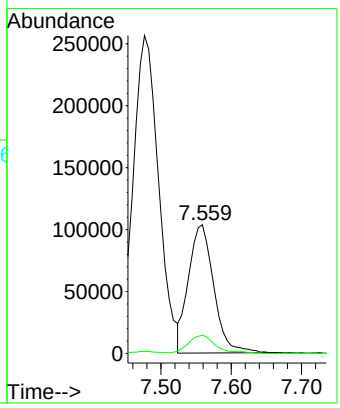




#43
Ethyl Acetate
Concen: 105.766 ug/l
RT: 7.559 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 43 Resp: 258485

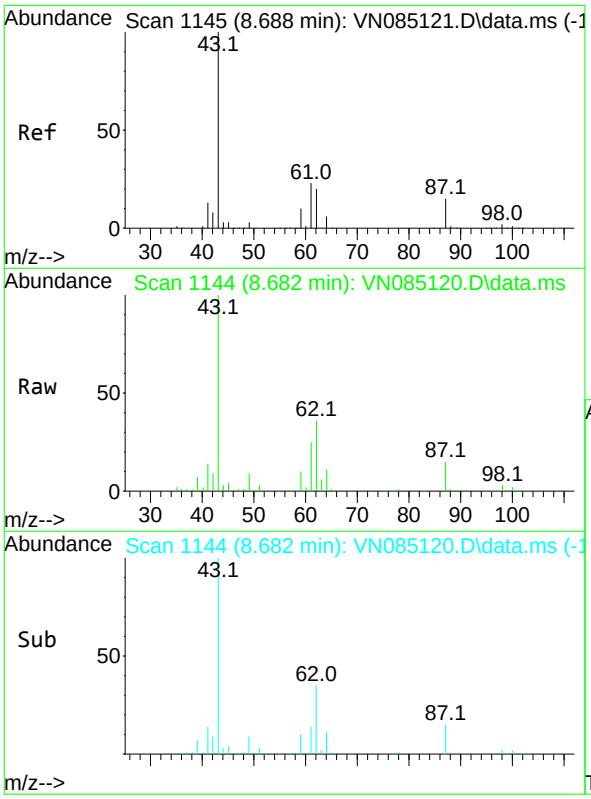
Ion	Ratio	Lower	Upper
43	100		
45	14.5	13.3	19.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

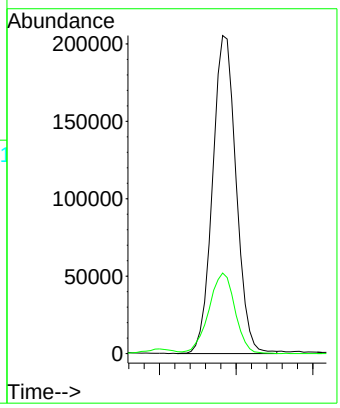
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

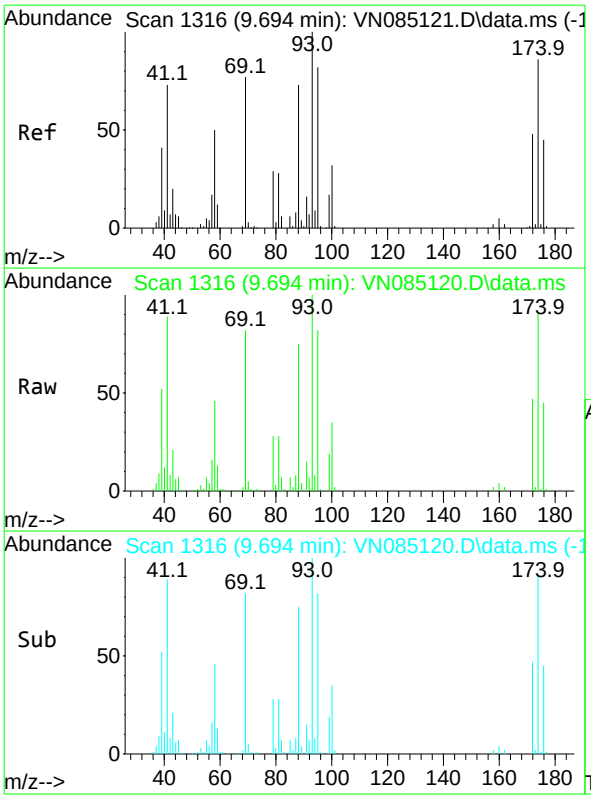


#44
Isopropyl Acetate
Concen: 103.239 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 43 Resp: 438465

Ion	Ratio	Lower	Upper
43	100		
61	28.2	21.5	32.3

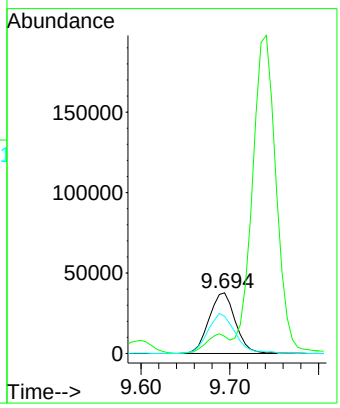




#45
1,4-Dioxane
Concen: 2192.363 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 88 Resp: 77646

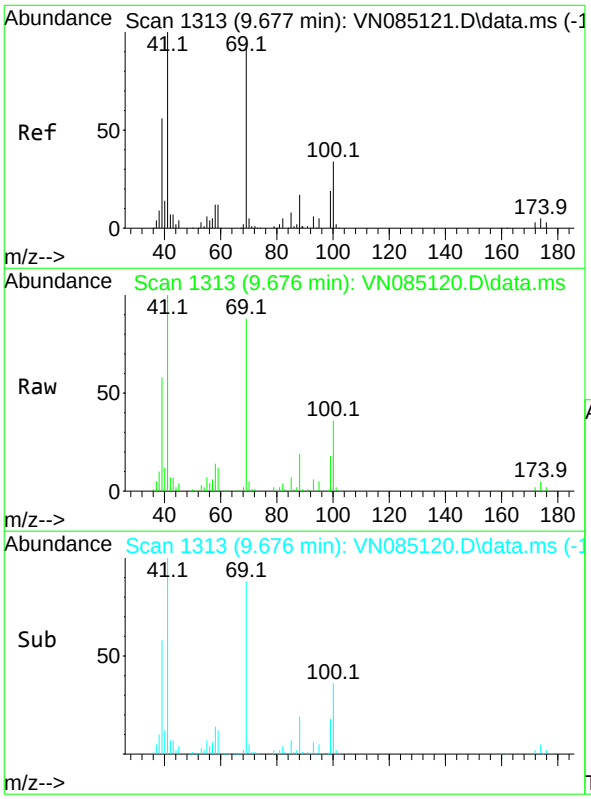
Ion	Ratio	Lower	Upper
88	100		
43	27.5	21.7	32.5
58	68.9	52.6	79.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

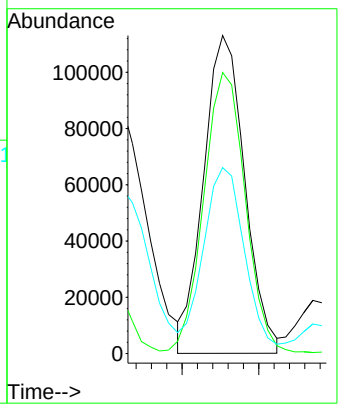
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

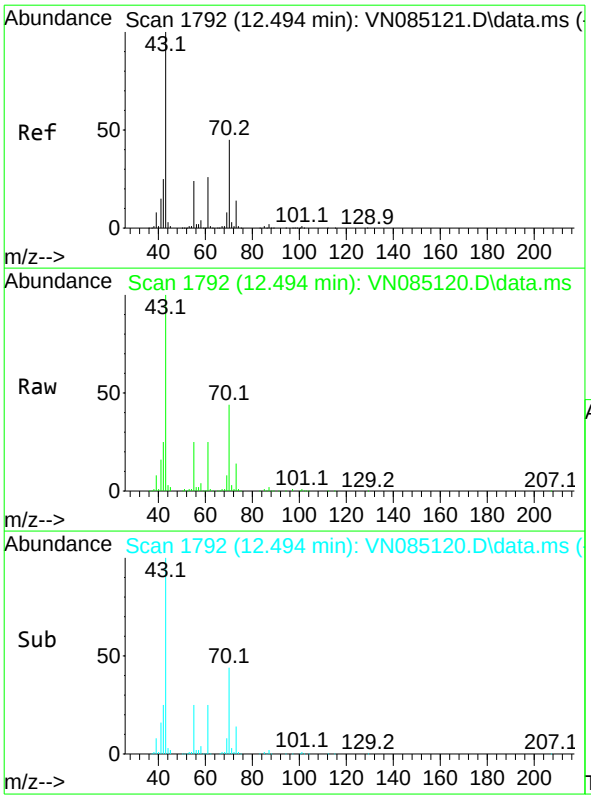


#46
Methyl methacrylate
Concen: 108.543 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 41 Resp: 210976

Ion	Ratio	Lower	Upper
41	100		
69	90.2	46.7	140.0
39	58.4	28.5	85.5

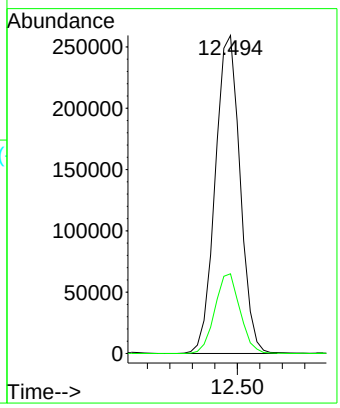




#47
n-amyl Acetate
Concen: 111.404 ug/l
RT: 12.494 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 43 Resp: 398085

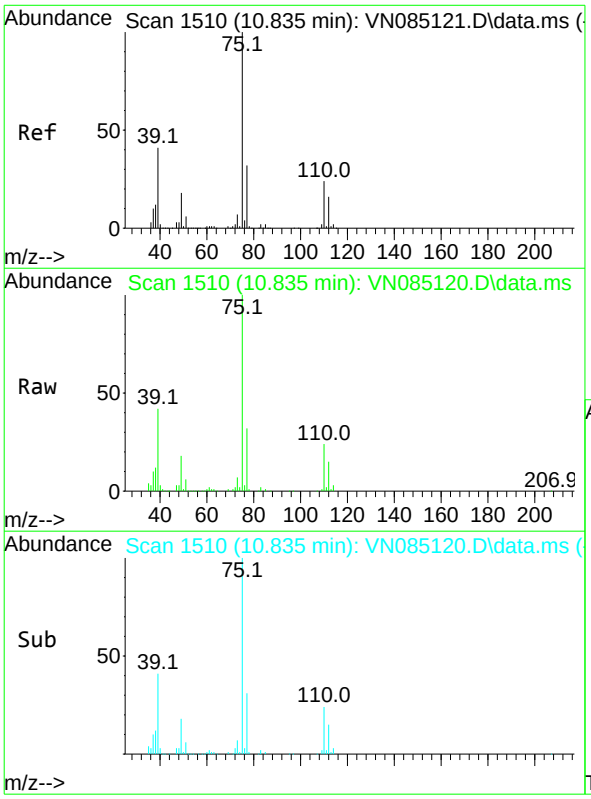
Ion	Ratio	Lower	Upper
43	100		
55	25.3	23.3	34.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

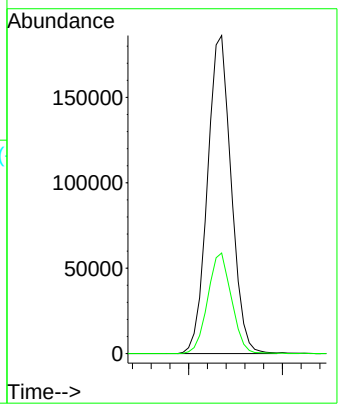
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

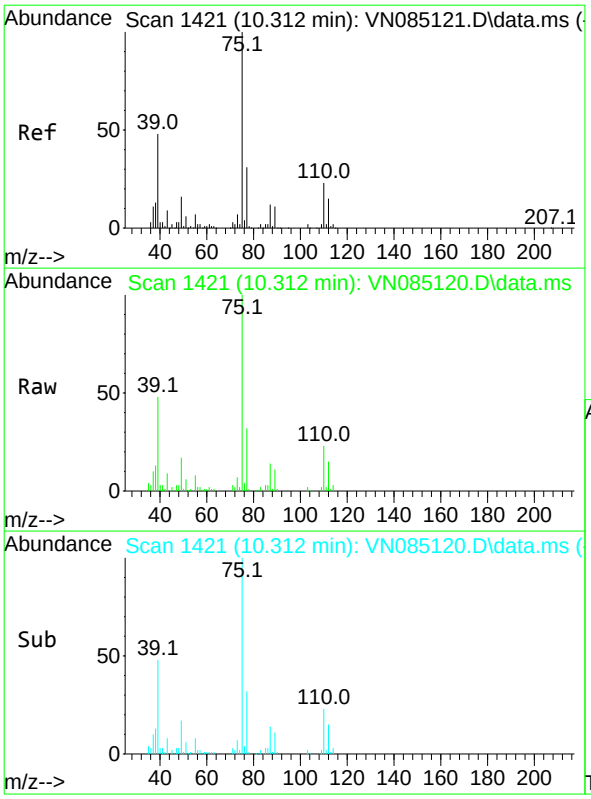


#48
t-1,3-Dichloropropene
Concen: 106.805 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 75 Resp: 327429

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.5	38.3

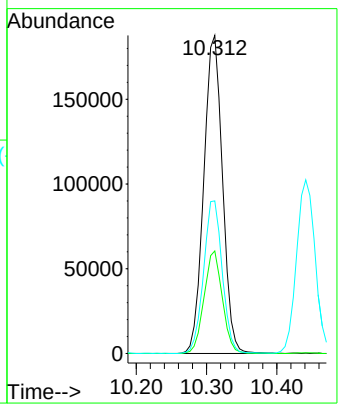




#49
cis-1,3-Dichloropropene
Concen: 104.212 ug/l
RT: 10.312 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 75 Resp: 347791

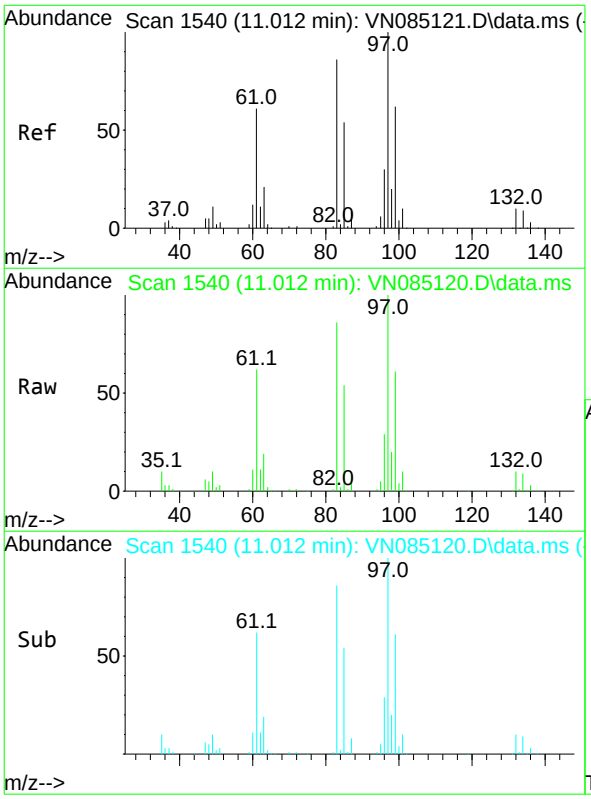
Ion	Ratio	Lower	Upper
75	100		
77	32.2	23.8	35.6
39	48.0	37.3	55.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

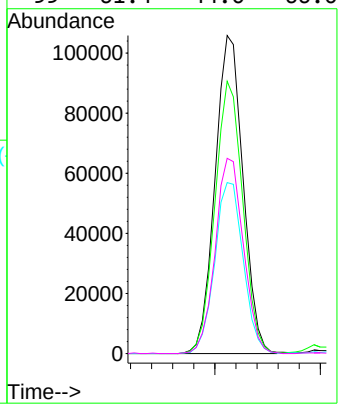
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

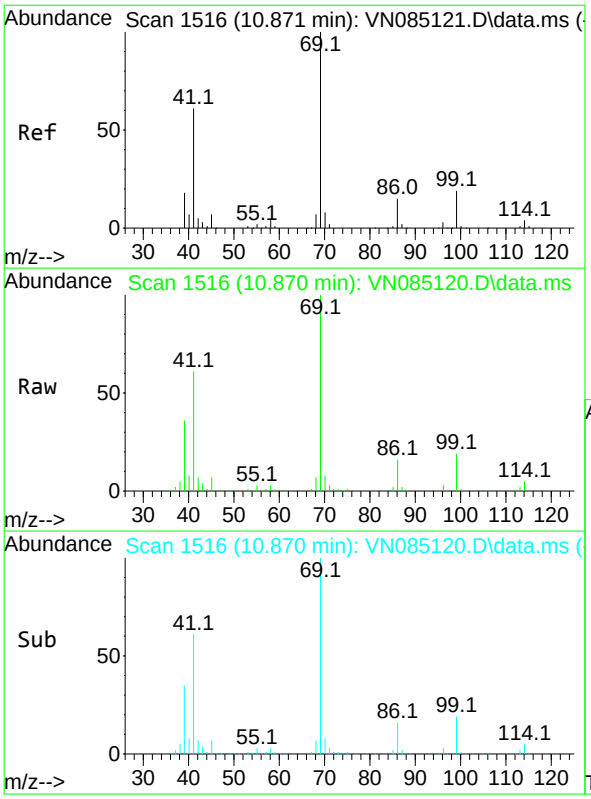


#50
1,1,2-Trichloroethane
Concen: 99.153 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 97 Resp: 195188

Ion	Ratio	Lower	Upper
97	100		
83	85.6	65.8	98.8
85	53.8	40.8	61.2
99	61.4	44.0	66.0

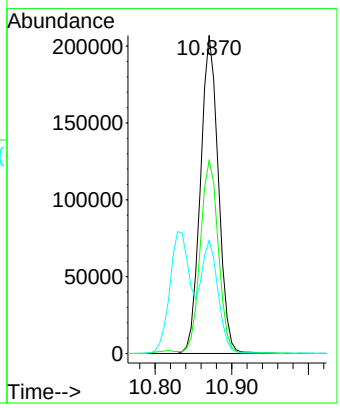




#51
Ethyl methacrylate
Concen: 112.054 ug/l
RT: 10.870 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 69 Resp: 335501

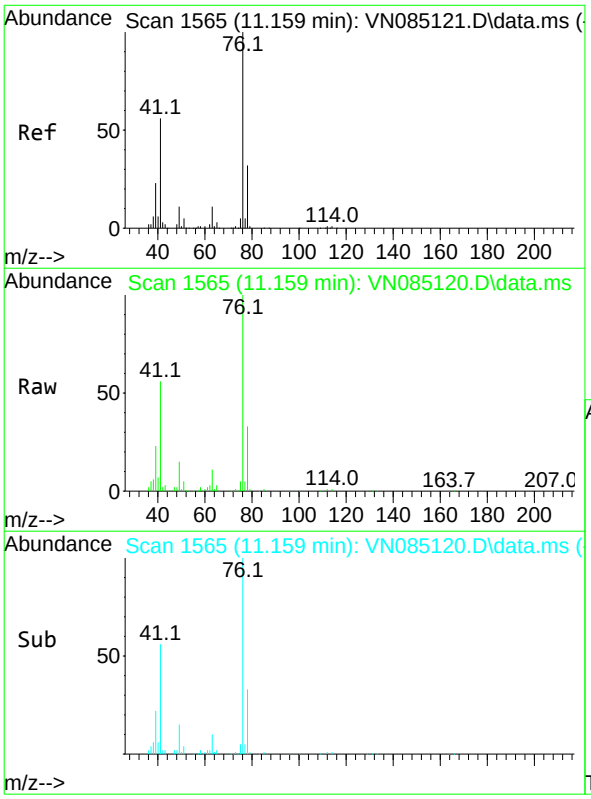
Ion	Ratio	Lower	Upper
69	100		
41	60.5	32.1	96.3
39	35.4	18.8	56.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

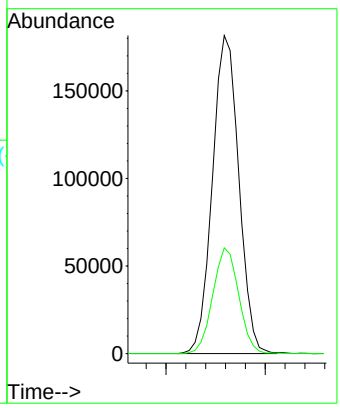
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

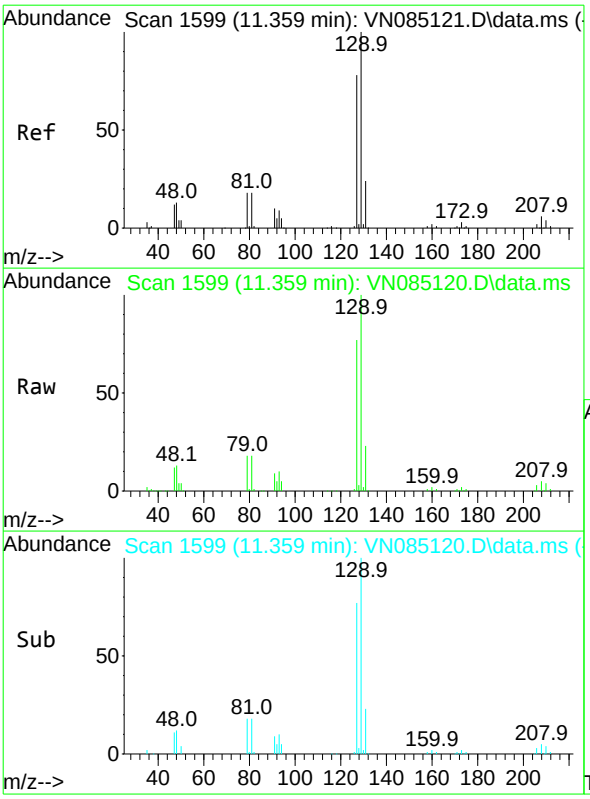


#52
1,3-Dichloropropane
Concen: 101.938 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 76 Resp: 335834

Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	65.6

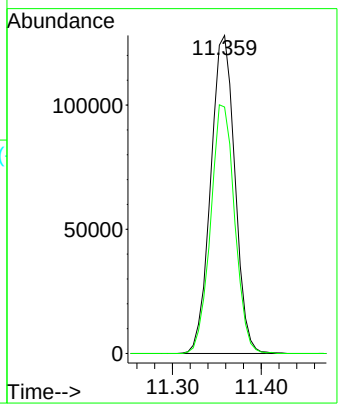




#53
Dibromochloromethane
Concen: 100.988 ug/l
RT: 11.359 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:129 Resp: 242265

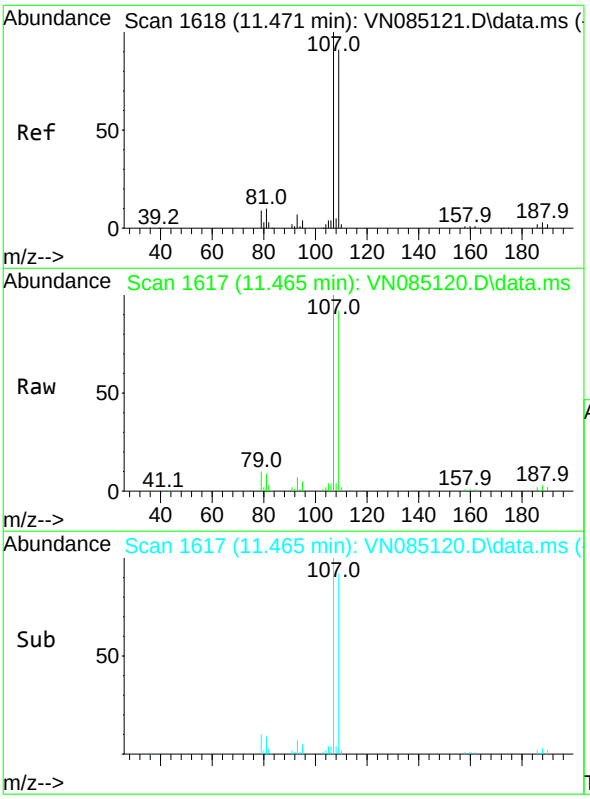
Ion	Ratio	Lower	Upper
129	100		
127	77.7	37.3	111.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

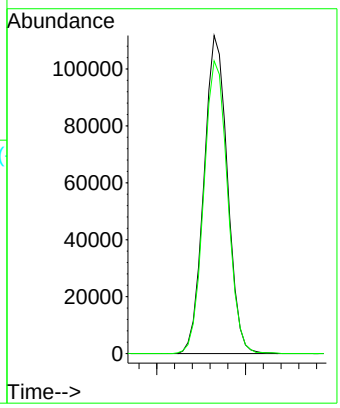
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

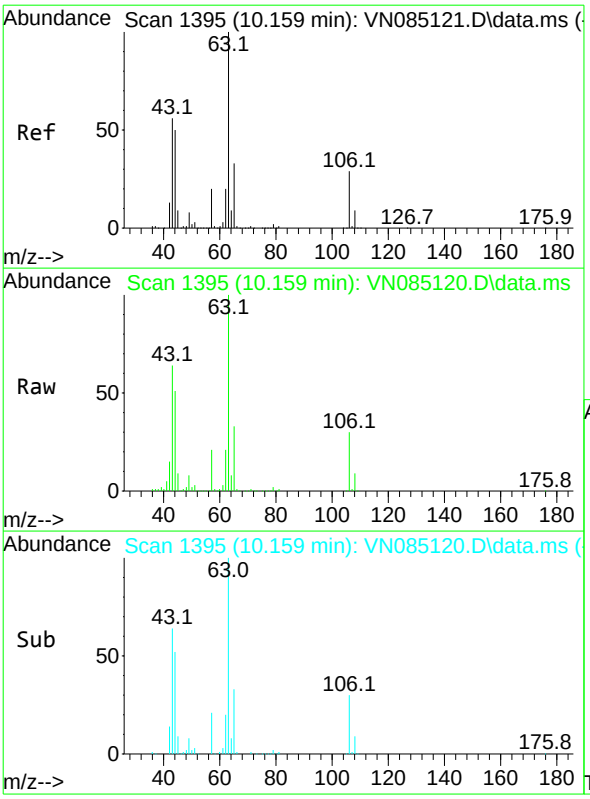


#54
1,2-Dibromoethane
Concen: 103.531 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:107 Resp: 205342

Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.2	112.8

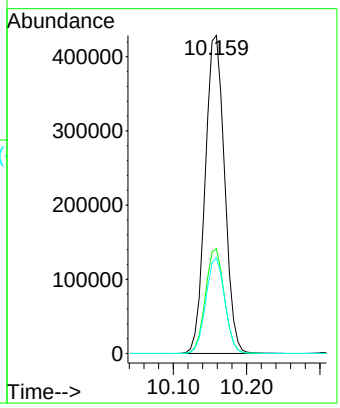




#55
2-Chloroethyl vinyl ether
Concen: 564.533 ug/l
RT: 10.159 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 63 Resp: 785193

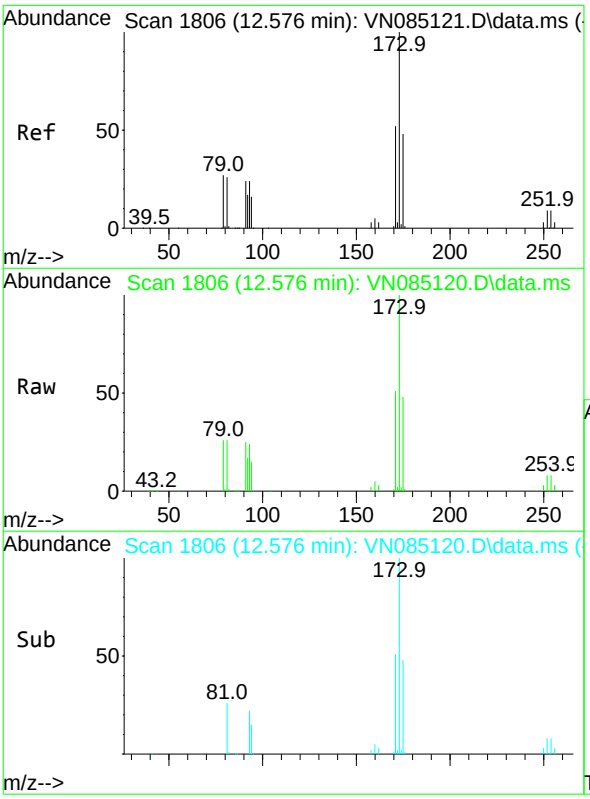
Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.9	38.9
106	29.6	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

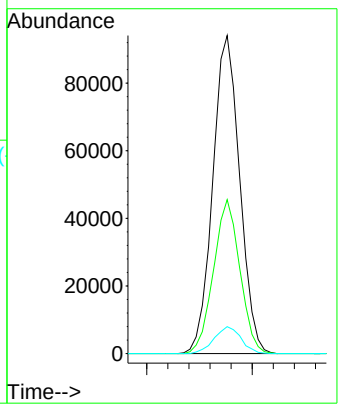
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

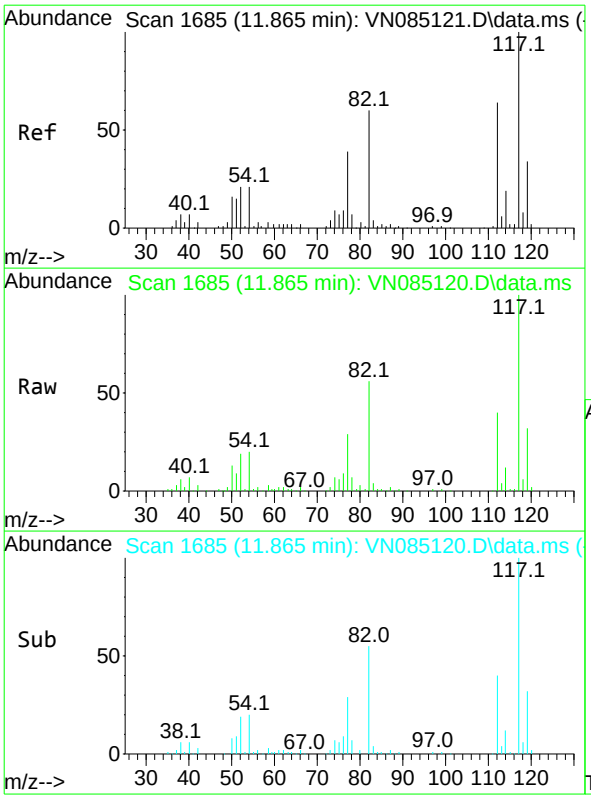


#56
Bromoform
Concen: 103.616 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:173 Resp: 166661

Ion	Ratio	Lower	Upper
173	100		
175	47.4	40.2	60.2
254	8.5	6.2	9.4

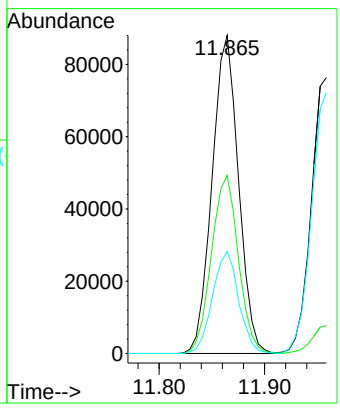




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:117 Resp: 153060

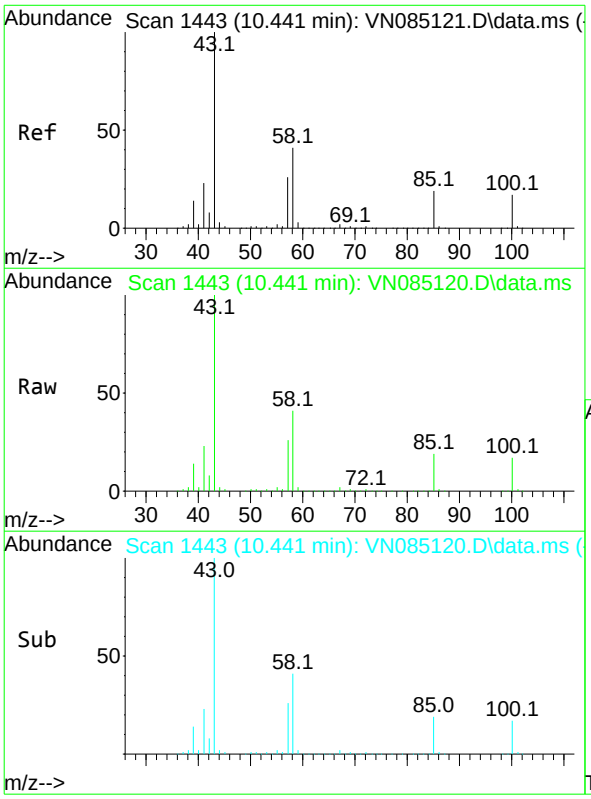
Ion	Ratio	Lower	Upper
117	100		
82	57.1	44.2	66.4
119	31.7	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

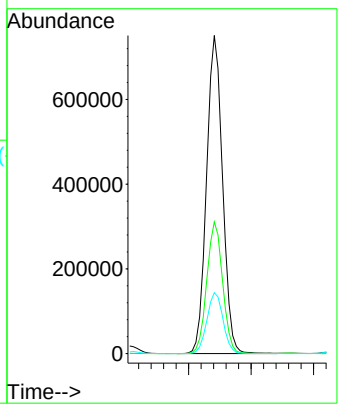
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

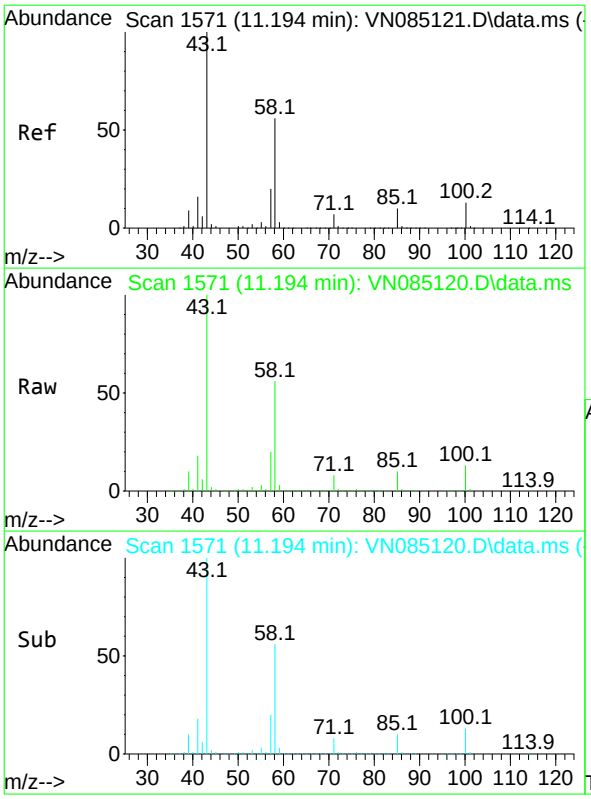


#58
4-Methyl-2-Pentanone
Concen: 535.524 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 43 Resp: 1337734

Ion	Ratio	Lower	Upper
43	100		
58	40.9	31.6	47.4
85	19.3	15.0	22.6

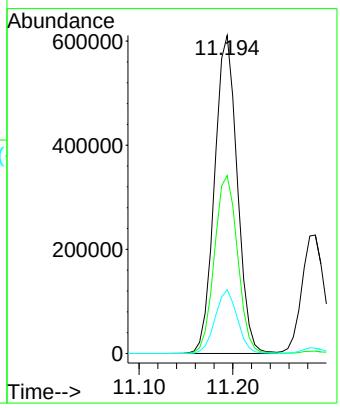




#59
2-Hexanone
Concen: 542.184 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 43 Resp: 1026218

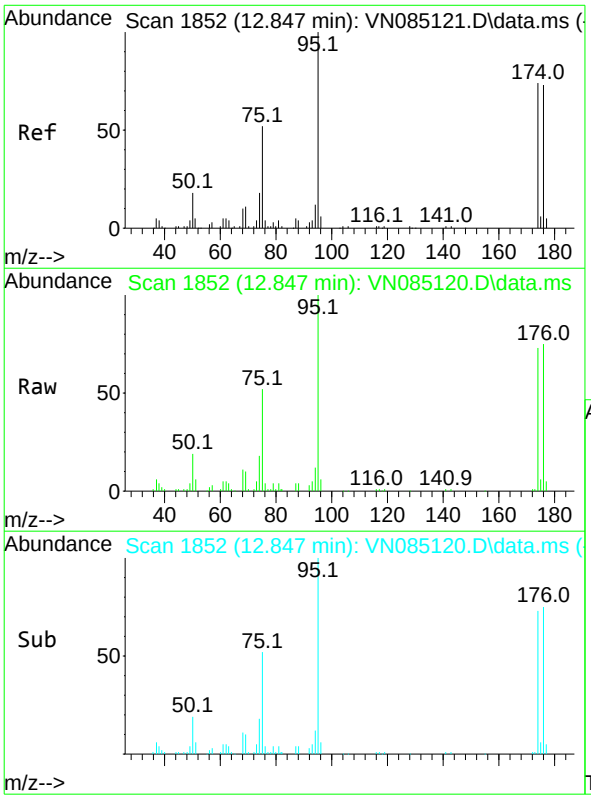
Ion	Ratio	Lower	Upper
43	100		
58	57.0	43.6	65.4
57	19.7	15.4	23.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

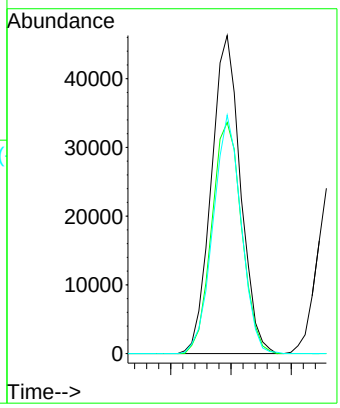
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

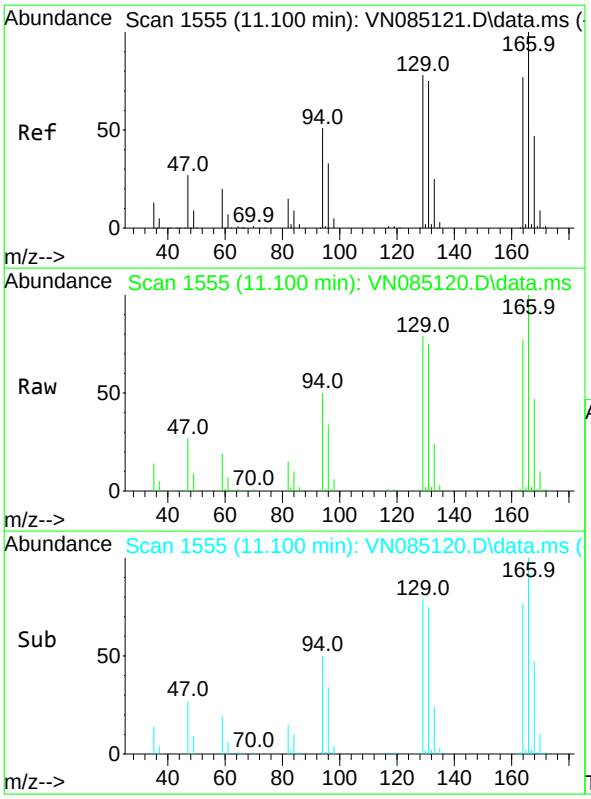


#60
4-Bromofluorobenzene
Concen: 30.768 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 95 Resp: 77922

Ion	Ratio	Lower	Upper
95	100		
174	74.3	60.3	90.5
176	72.3	57.4	86.0

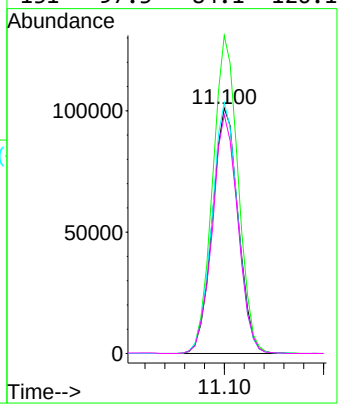




#61
Tetrachloroethene
Concen: 98.693 ug/l
RT: 11.100 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:164 Resp: 182933

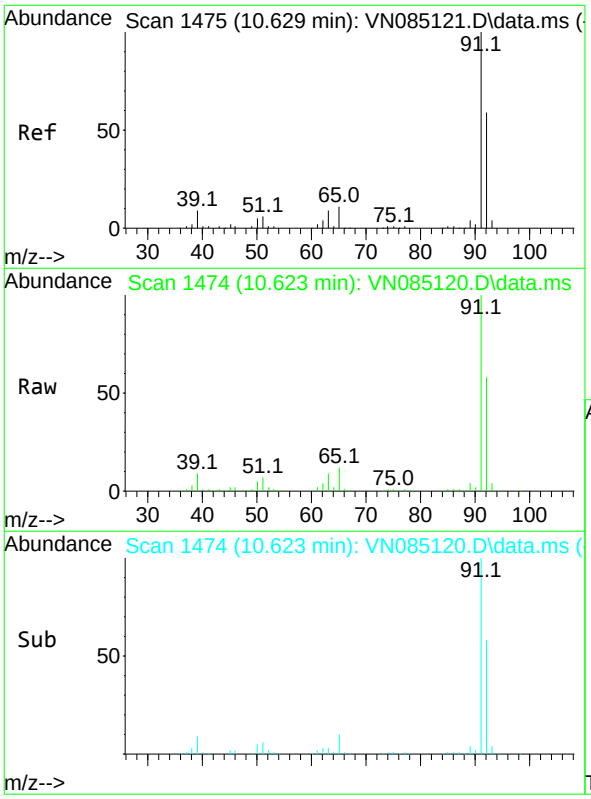
Ion	Ratio	Lower	Upper
164	100		
166	129.7	103.8	155.8
129	102.4	84.2	126.4
131	97.3	84.1	126.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

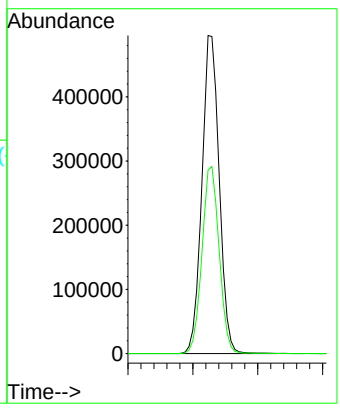
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

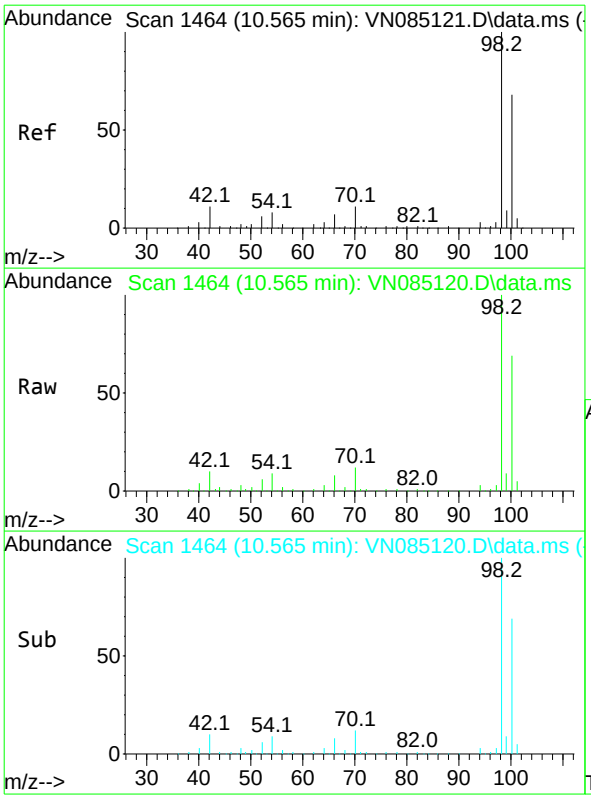


#62
Toluene
Concen: 102.798 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 91 Resp: 917622

Ion	Ratio	Lower	Upper
91	100		
92	58.2	46.5	69.7

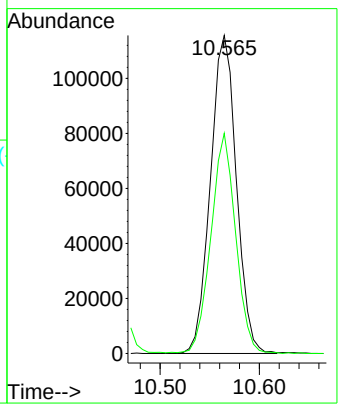




#63
Toluene-d8
Concen: 29.250 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 98 Resp: 210008

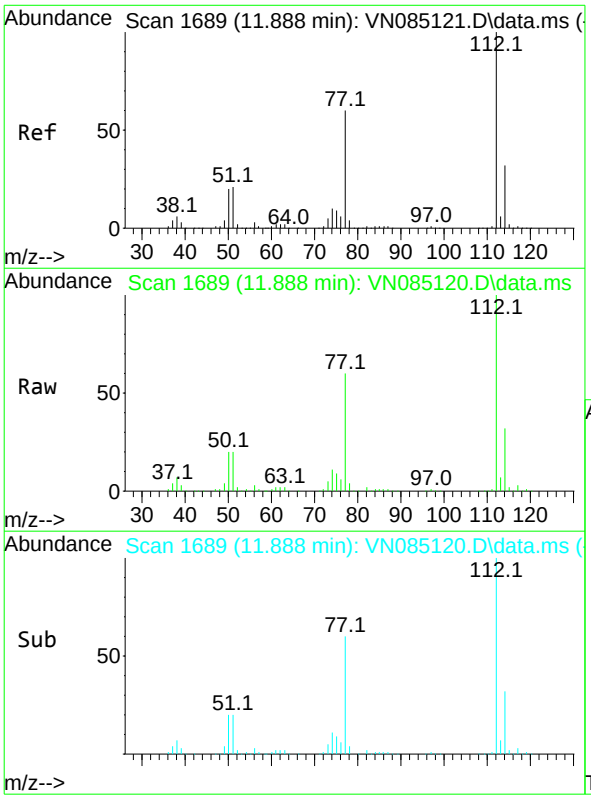
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.0	78.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

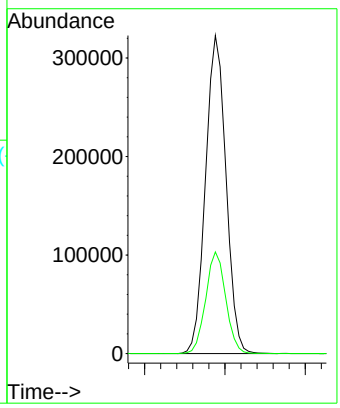
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

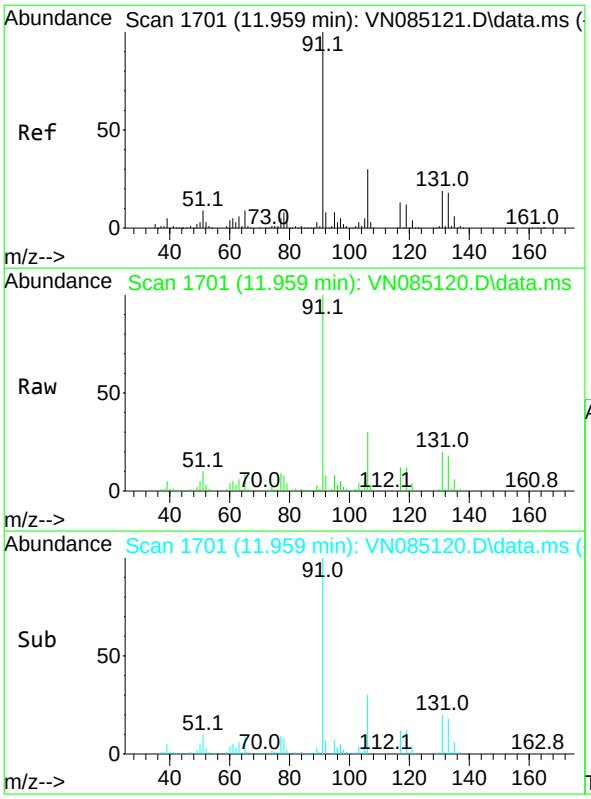


#64
Chlorobenzene
Concen: 103.744 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:112 Resp: 571760

Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.0	39.0





#65
1,1,1,2-Tetrachloroethane
Concen: 102.429 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

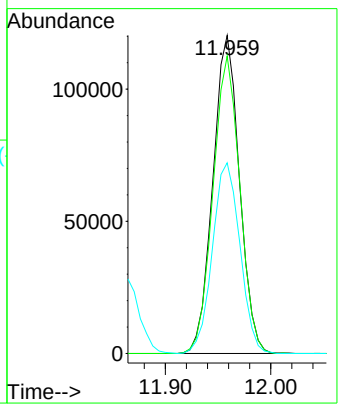
Tgt Ion:131 Resp: 210736

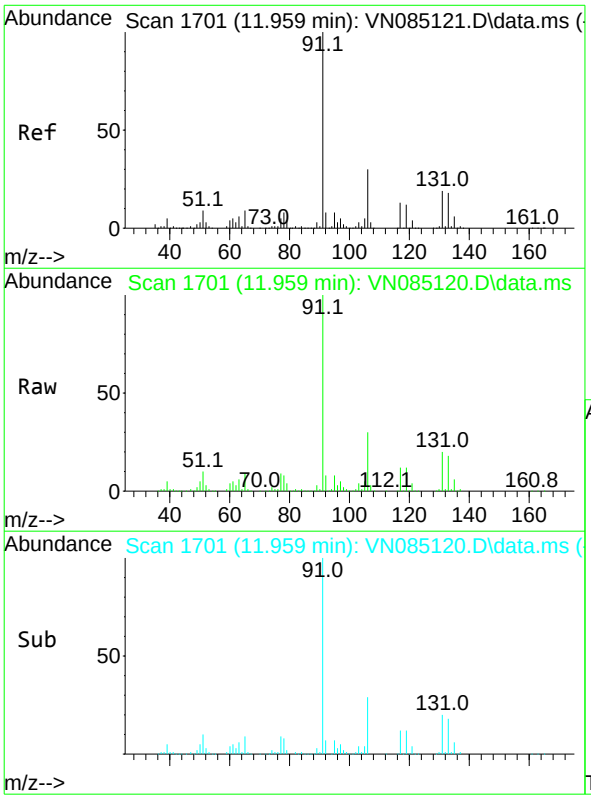
Ion	Ratio	Lower	Upper
131	100		
133	94.6	0.0	194.0
119	62.2	0.0	131.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

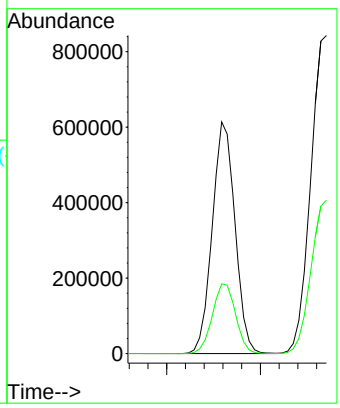


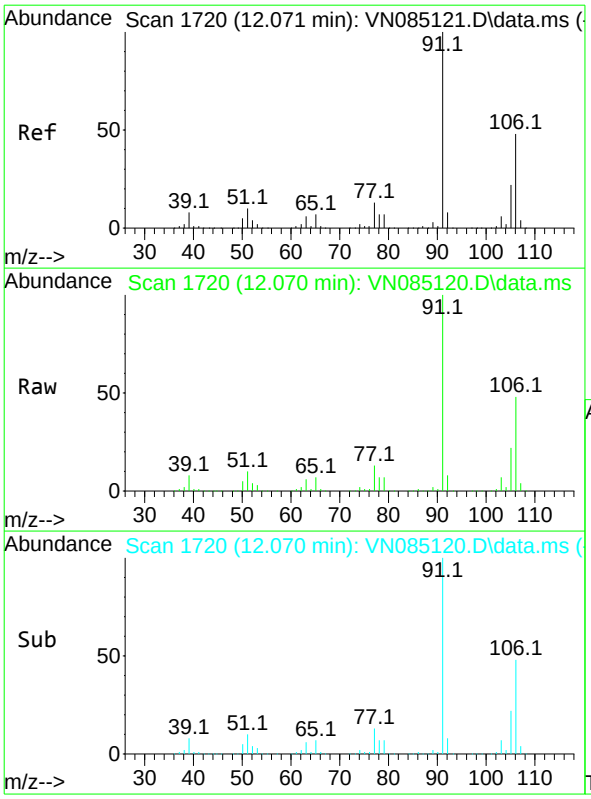


#66
Ethyl Benzene
Concen: 109.440 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 91 Resp: 1036629

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.1	34.7

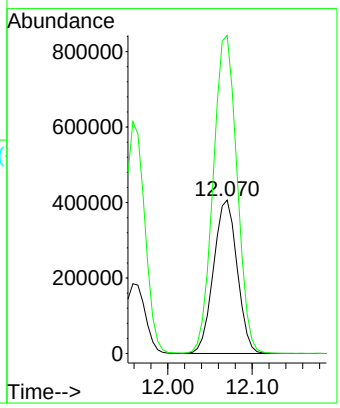




#67
m/p-Xylenes
Concen: 217.173 ug/l
RT: 12.070 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:106 Resp: 791201

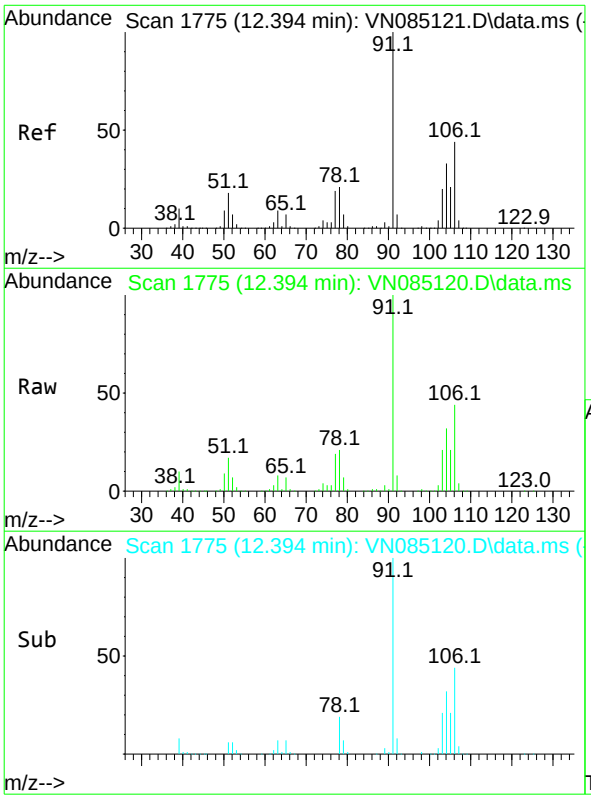
Ion	Ratio	Lower	Upper
106	100		
91	209.3	165.0	247.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

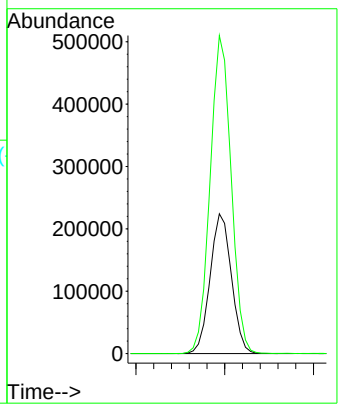
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

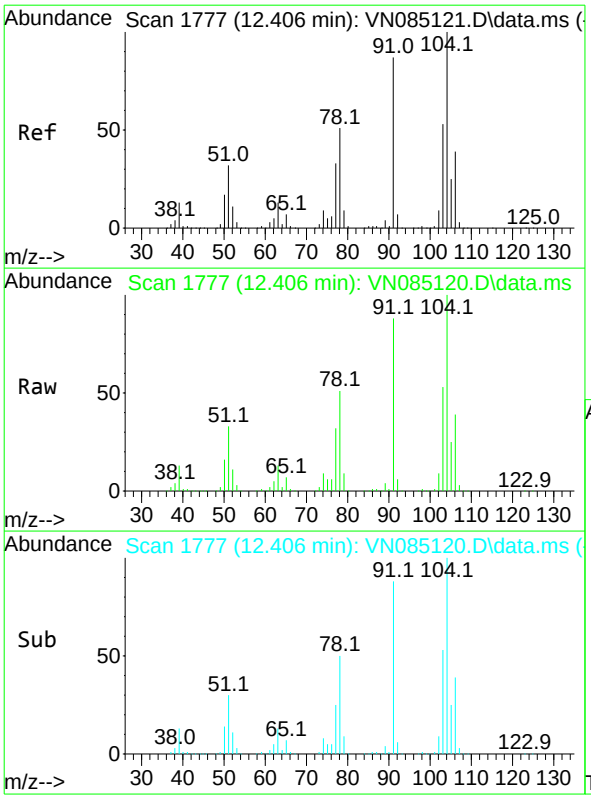


#68
o-Xylene
Concen: 109.449 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:106 Resp: 374478

Ion	Ratio	Lower	Upper
106	100		
91	224.3	112.1	336.4

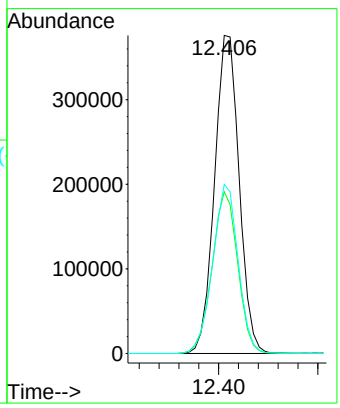




#69
Styrene
Concen: 111.644 ug/l
RT: 12.406 min Scan# 17
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:104 Resp: 648187

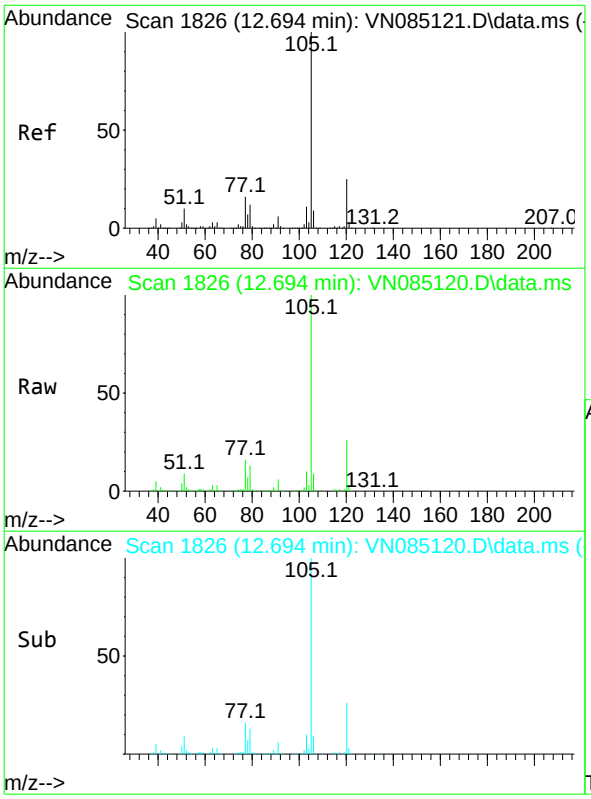
Ion	Ratio	Lower	Upper
104	100		
78	52.9	42.3	63.5
103	54.8	44.4	66.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

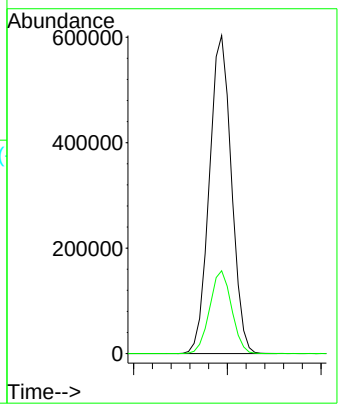
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

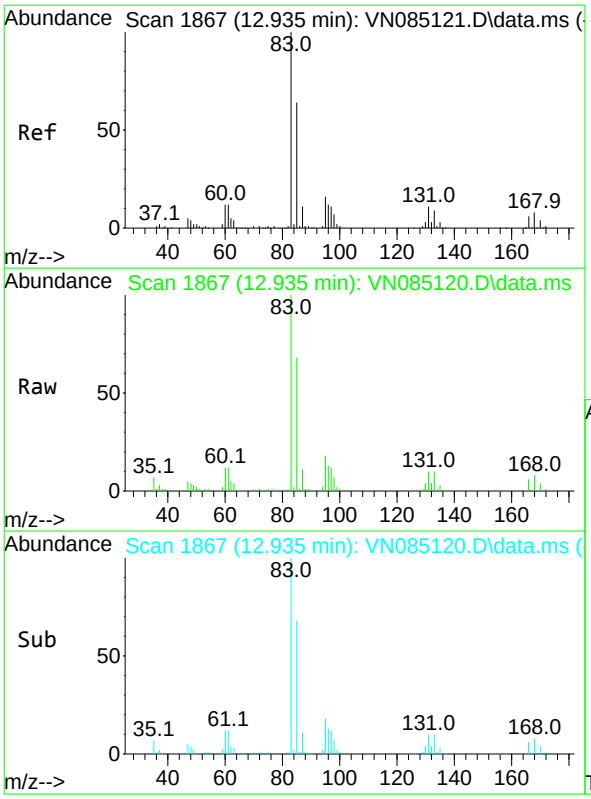


#70
Isopropylbenzene
Concen: 111.721 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:105 Resp: 985915

Ion	Ratio	Lower	Upper
105	100		
120	25.9	18.3	33.9

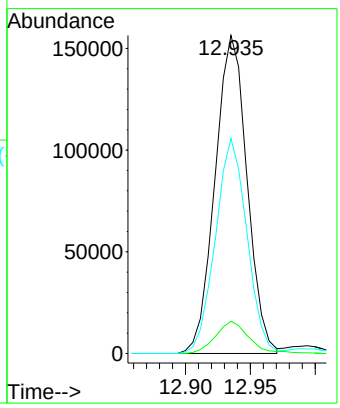




#71
1,1,2,2-Tetrachloroethane
Concen: 99.877 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 83 Resp: 268272

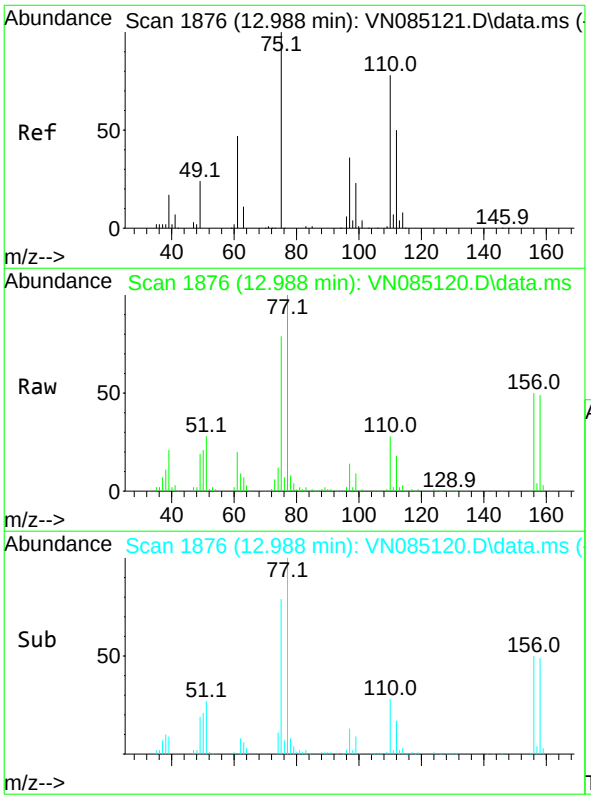
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.3
85	66.6	31.1	93.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

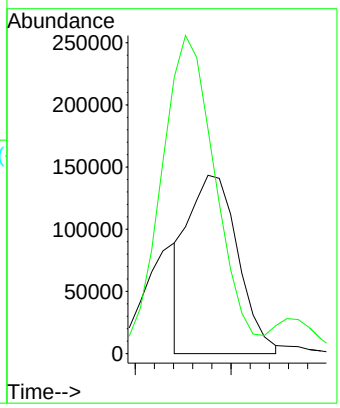
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

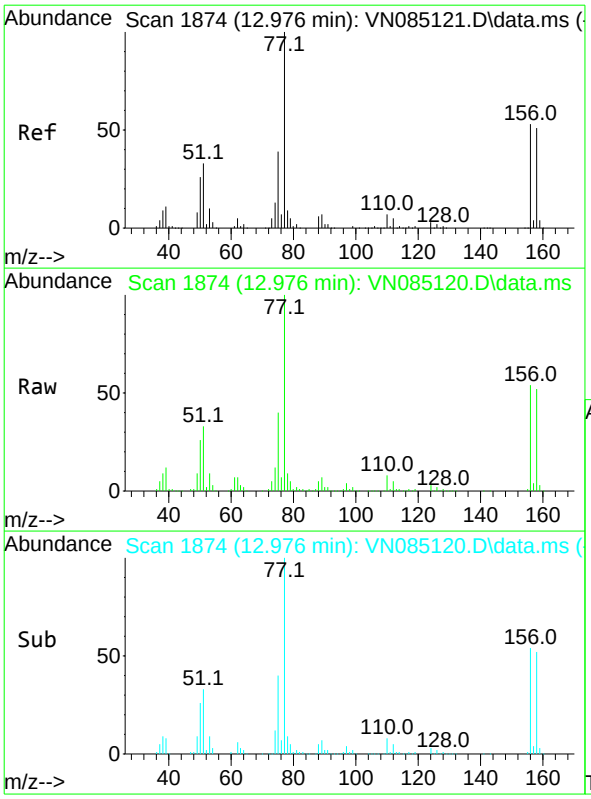


#72
1,2,3-Trichloropropane
Concen: 98.123 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 75 Resp: 260354

Ion	Ratio	Lower	Upper
75	100		
77	195.4	0.0	339.0

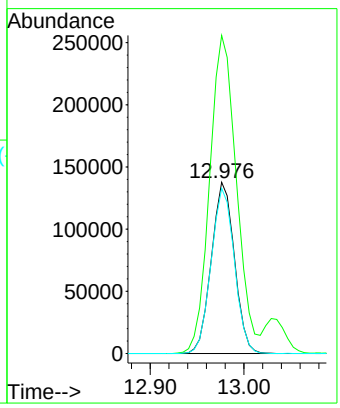




#73
Bromobenzene
Concen: 106.648 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:156 Resp: 235738

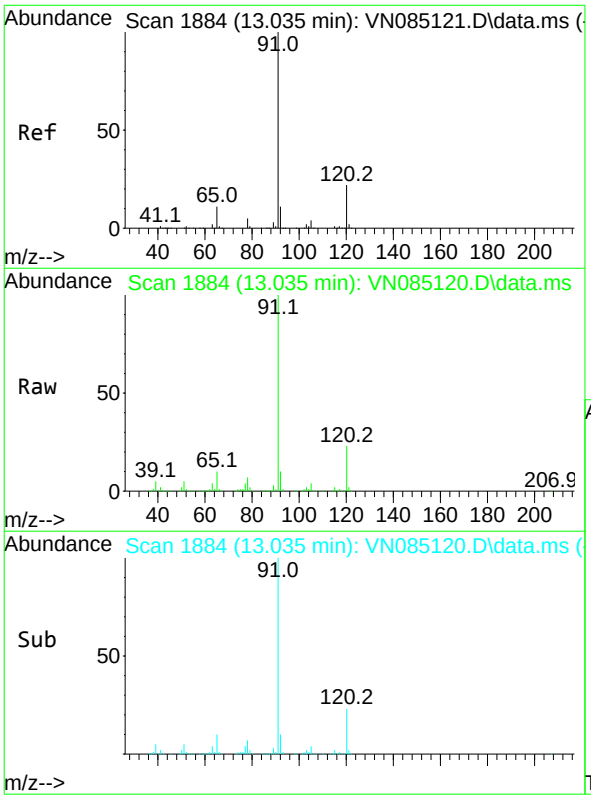
Ion	Ratio	Lower	Upper
156	100		
77	215.8	0.0	430.4
158	97.0	0.0	195.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

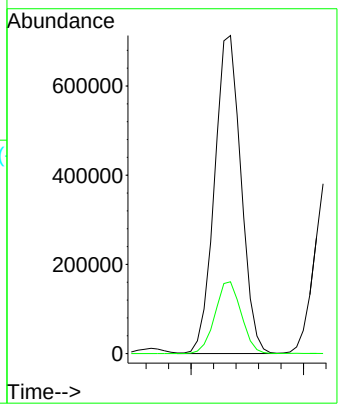
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

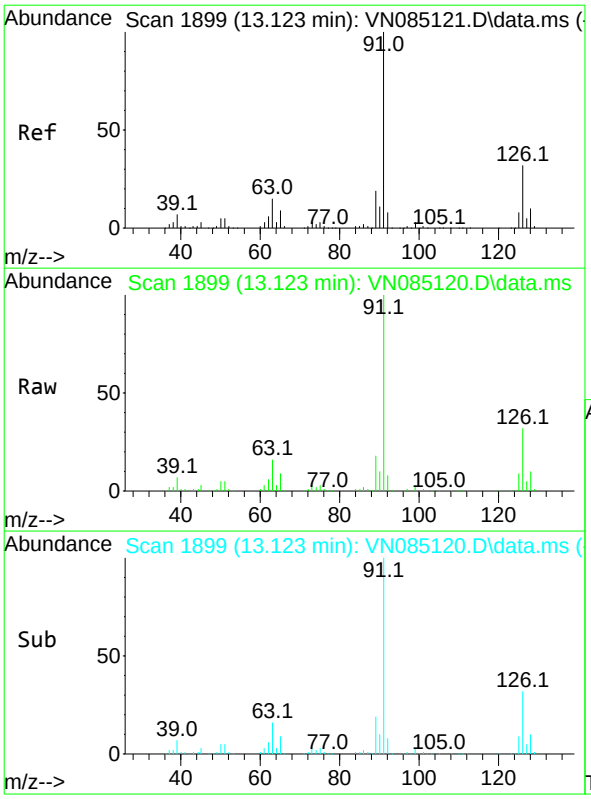


#74
n-propylbenzene
Concen: 109.952 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 91 Resp: 1166509

Ion	Ratio	Lower	Upper
91	100		
120	22.3	0.0	44.0

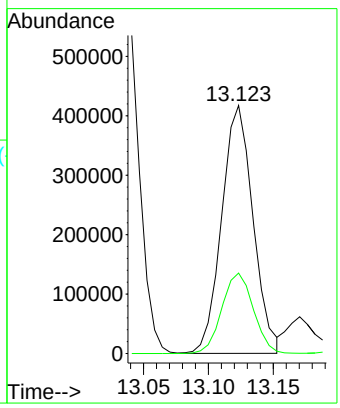




#75
2-Chlorotoluene
Concen: 107.179 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 91 Resp: 703050

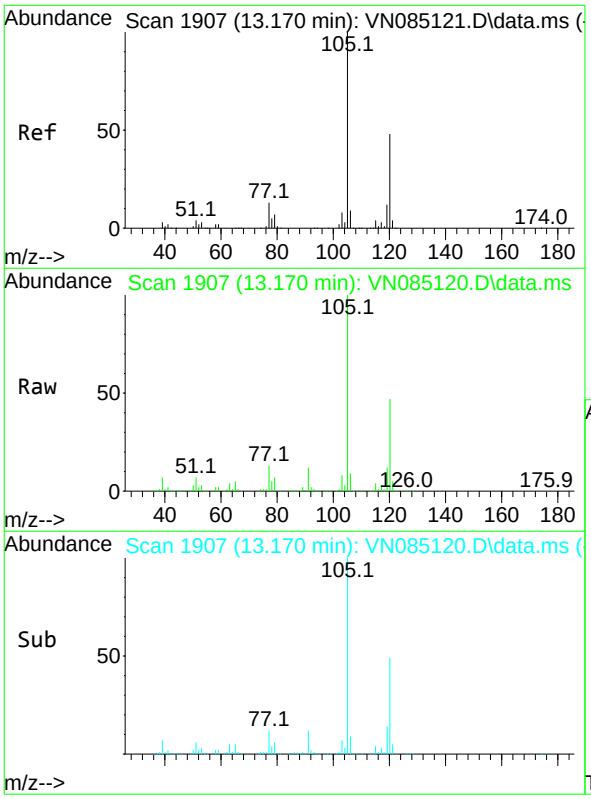
Ion	Ratio	Lower	Upper
91	100		
126	32.5	0.0	64.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

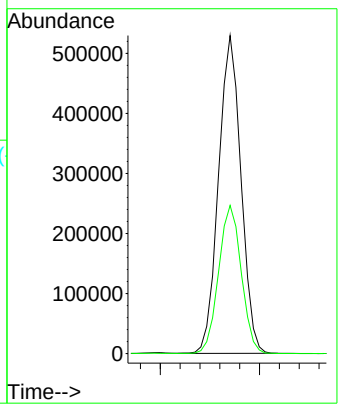
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

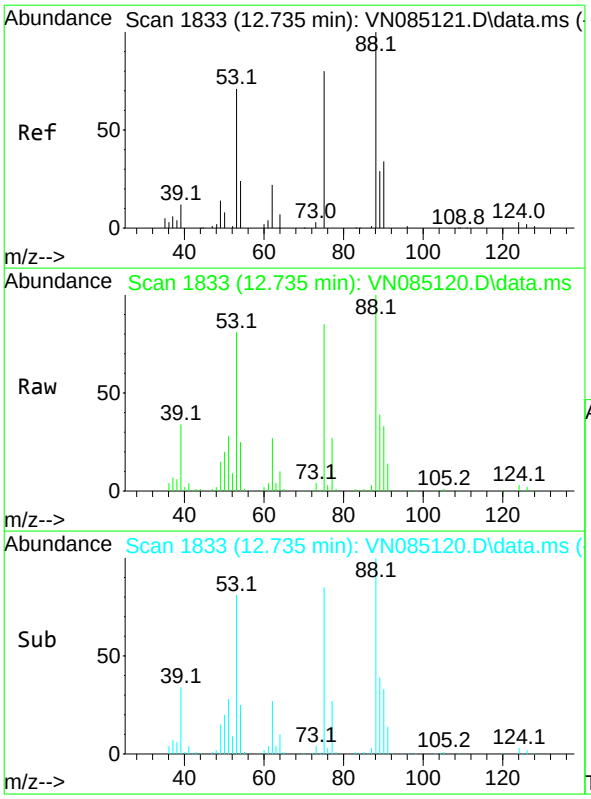


#76
1,3,5-Trimethylbenzene
Concen: 110.018 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:105 Resp: 831794

Ion	Ratio	Lower	Upper
105	100		
120	47.0	0.0	94.4

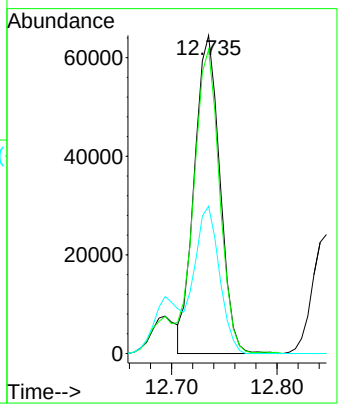




#77
t-1,4-Dichloro-2-butene
Concen: 111.976 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 75 Resp: 107962

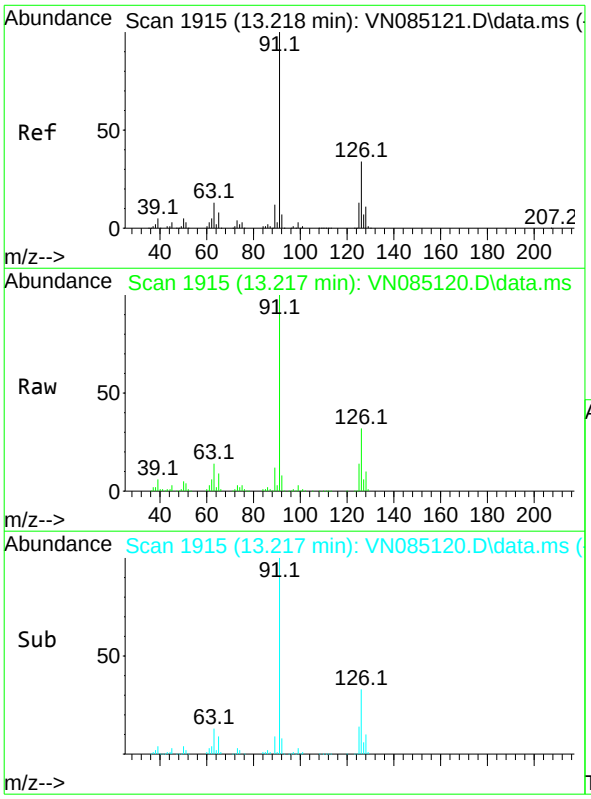
Ion	Ratio	Lower	Upper
75	100		
53	95.2	49.1	147.3
89	46.3	22.9	68.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

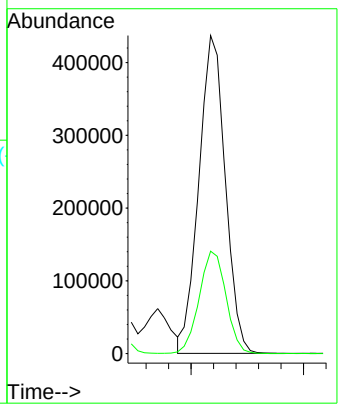
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

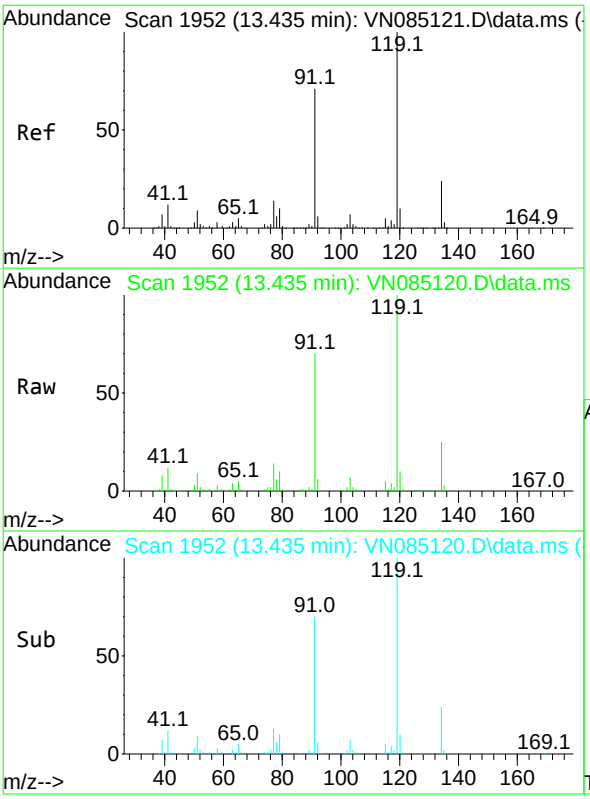


#78
4-Chlorotoluene
Concen: 107.197 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 91 Resp: 713716

Ion	Ratio	Lower	Upper
91	100		
126	32.7	0.0	64.4

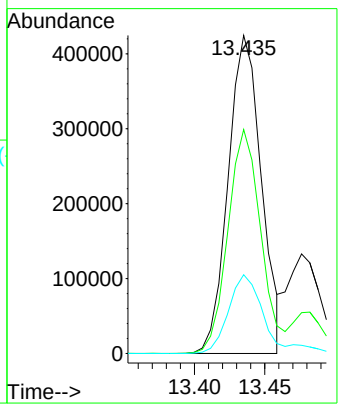




#79
tert-butylbenzene
Concen: 112.381 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:119 Resp: 697873

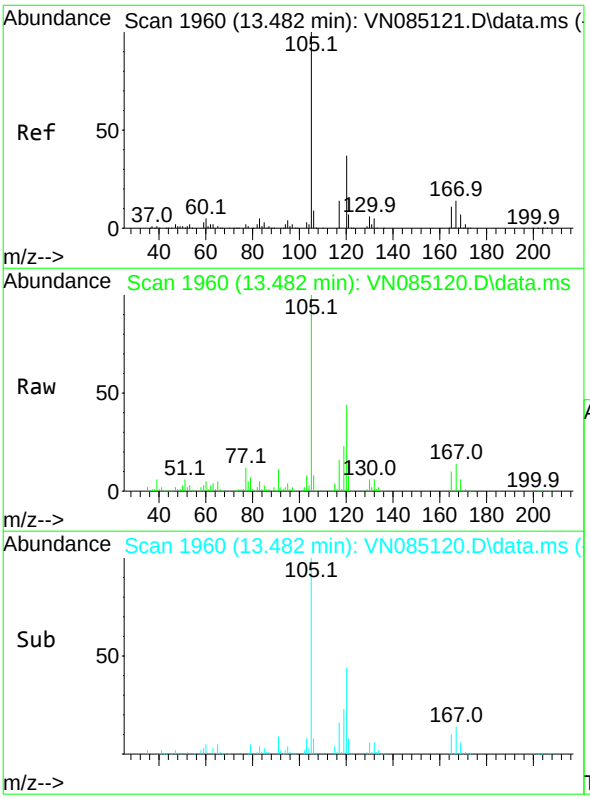
Ion	Ratio	Lower	Upper
119	100		
91	69.9	0.0	139.2
134	24.6	0.0	48.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

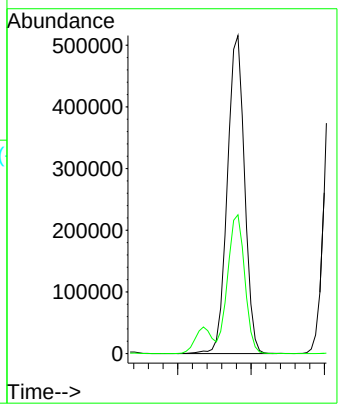
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

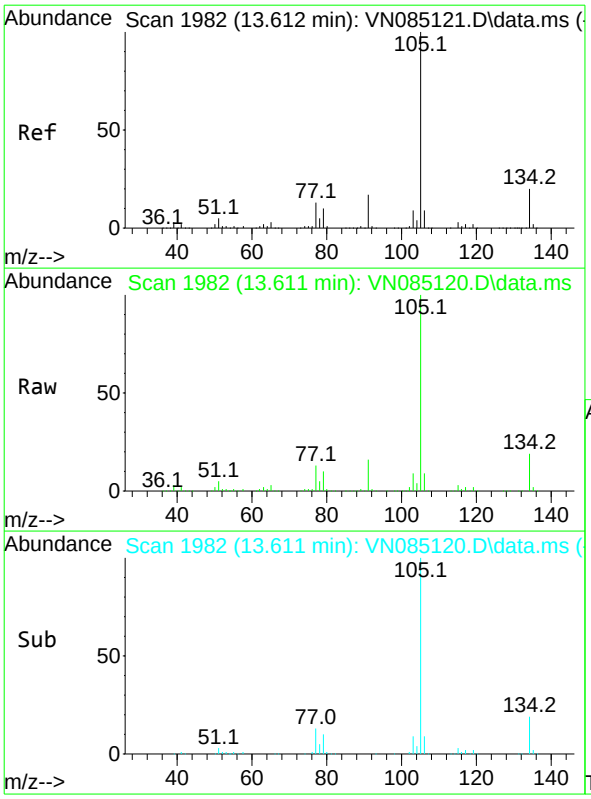


#80
1,2,4-Trimethylbenzene
Concen: 112.327 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:105 Resp: 838873

Ion	Ratio	Lower	Upper
105	100		
120	43.3	0.0	87.4

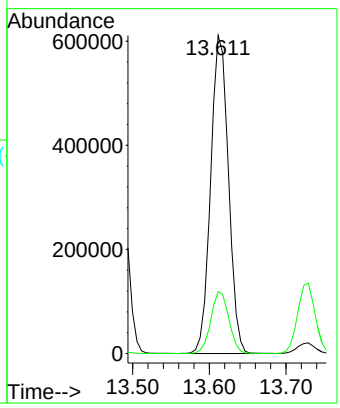




#81
sec-Butylbenzene
Concen: 111.460 ug/l
RT: 13.611 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:105 Resp: 983338

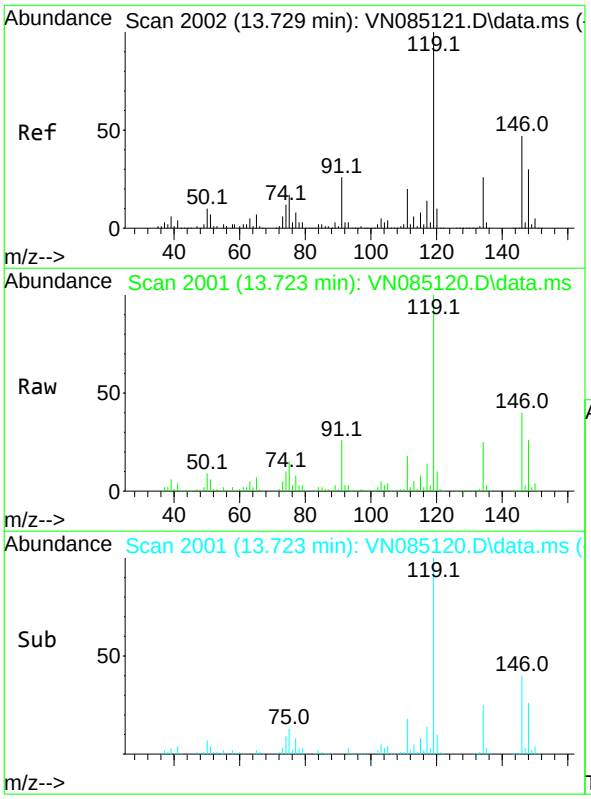
Ion	Ratio	Lower	Upper
105	100		
134	19.7	0.0	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

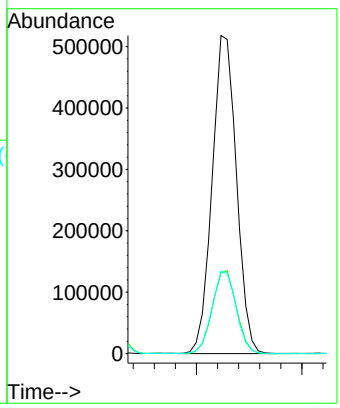
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

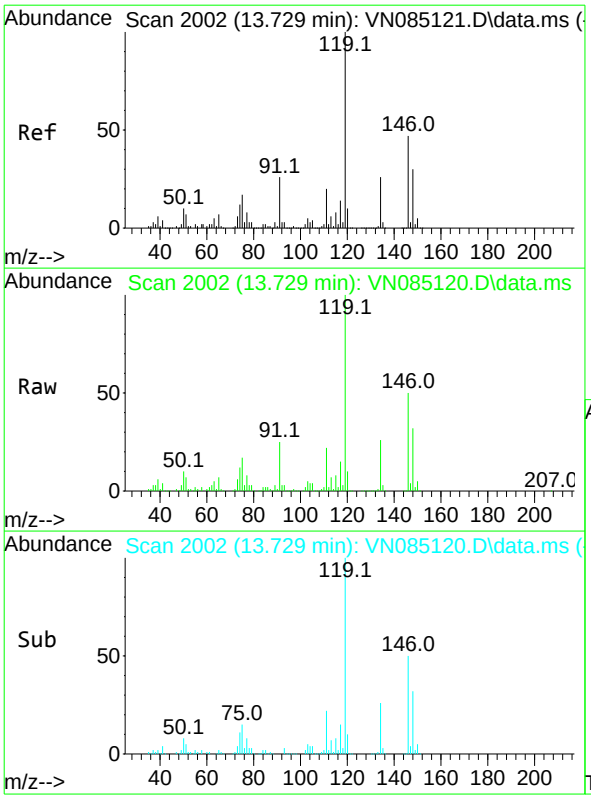


#82
p-Isopropyltoluene
Concen: 113.406 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:119 Resp: 829472

Ion	Ratio	Lower	Upper
119	100		
134	25.8	0.0	51.6
91	25.7	0.0	50.4

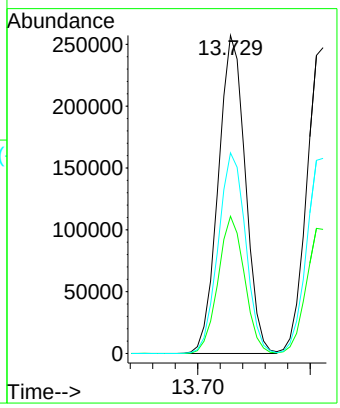




#83
1,3-Dichlorobenzene
Concen: 105.881 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:146 Resp: 429389

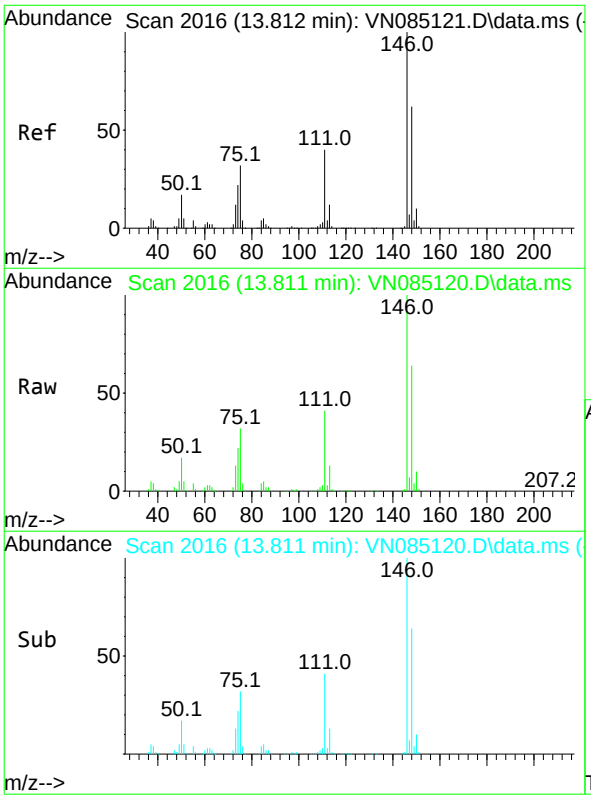
Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.3
148	64.0	31.8	95.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

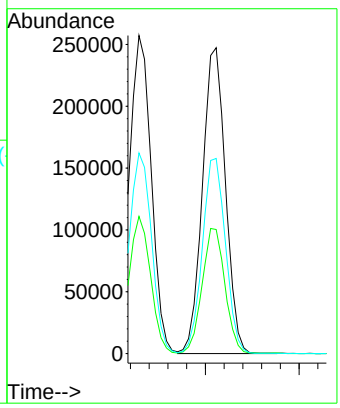
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

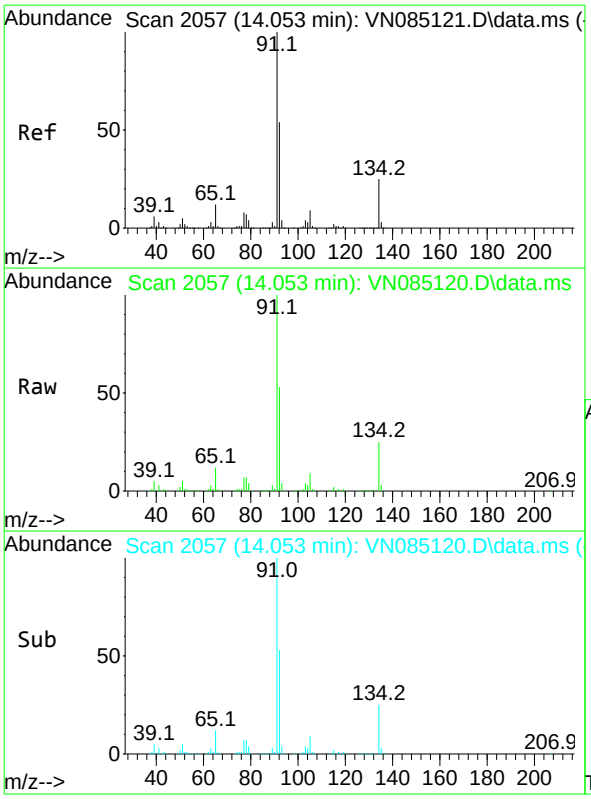


#84
1,4-Dichlorobenzene
Concen: 107.060 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:146 Resp: 423137

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.1	60.3
148	64.2	31.6	94.7

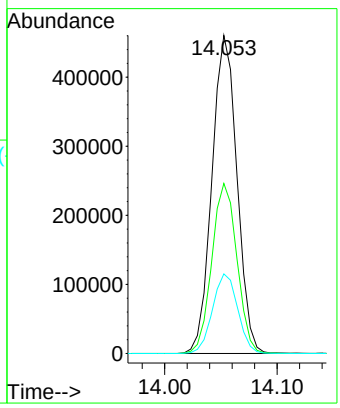




#85
n-Butylbenzene
Concen: 116.298 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 91 Resp: 713519

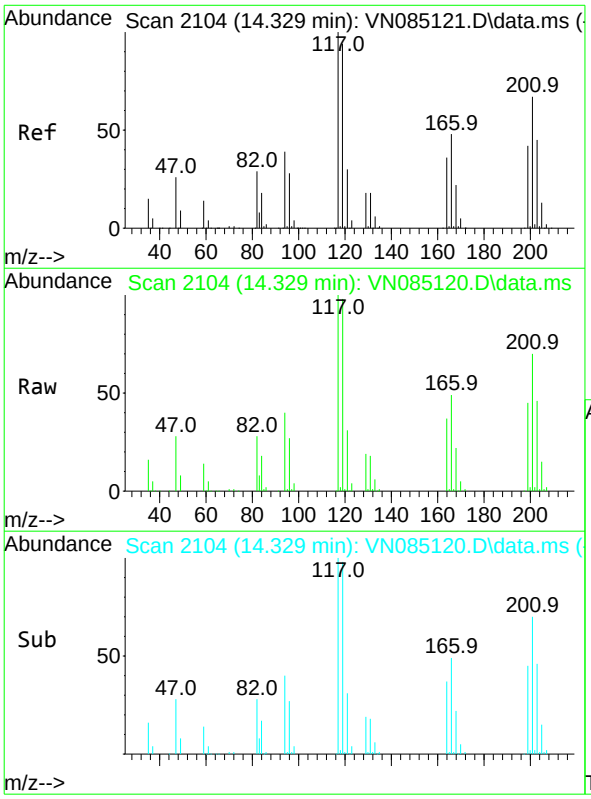
Ion	Ratio	Lower	Upper
91	100		
92	53.5	0.0	104.0
134	25.2	0.0	49.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

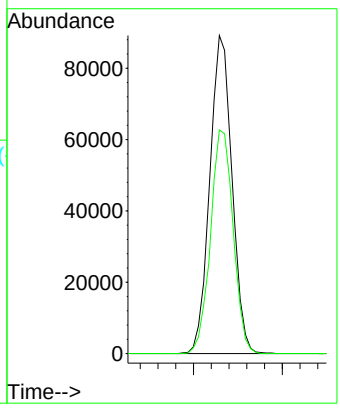
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

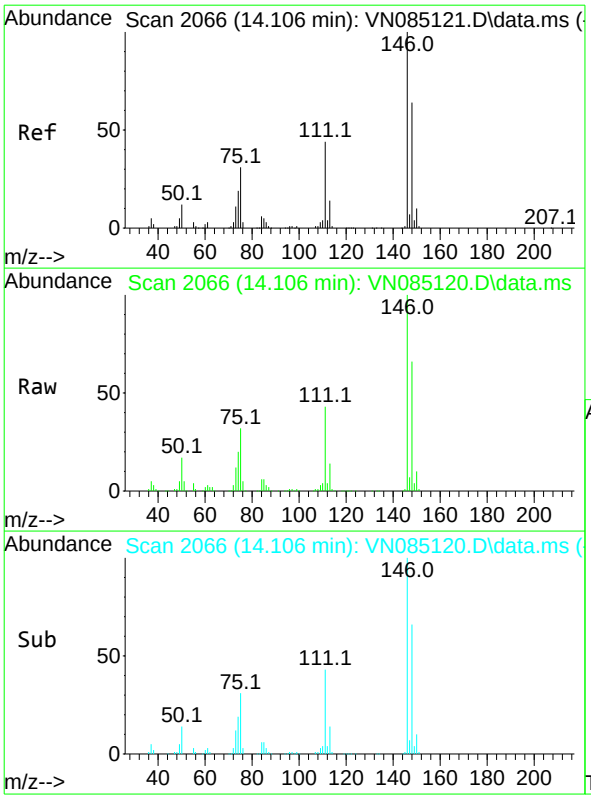


#86
Hexachloroethane
Concen: 106.440 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:117 Resp: 154986

Ion	Ratio	Lower	Upper
117	100		
201	71.5	34.1	102.3

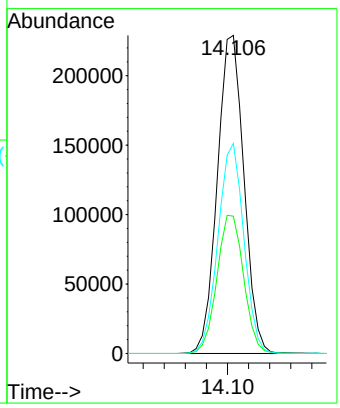




#87
1,2-Dichlorobenzene
Concen: 104.836 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:146 Resp: 401301

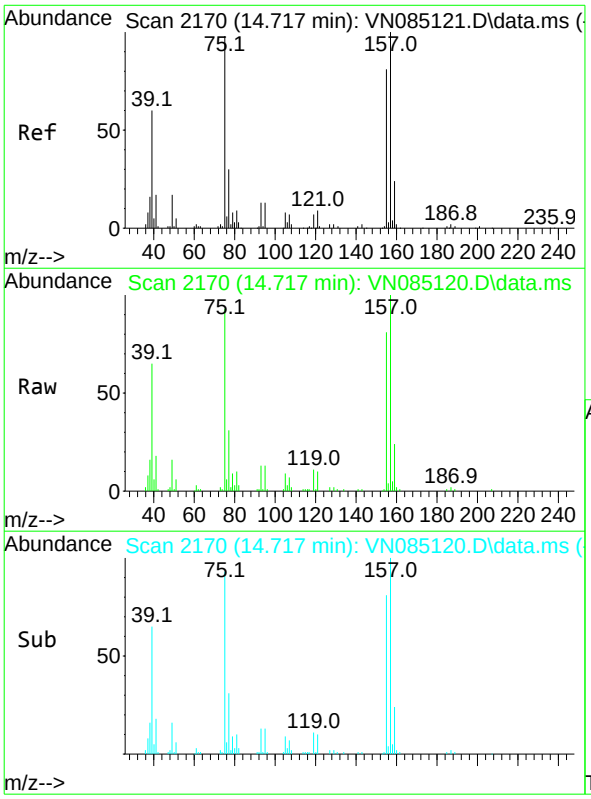
Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.9	65.7
148	64.3	32.4	97.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

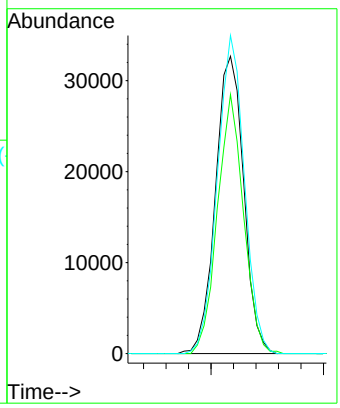
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

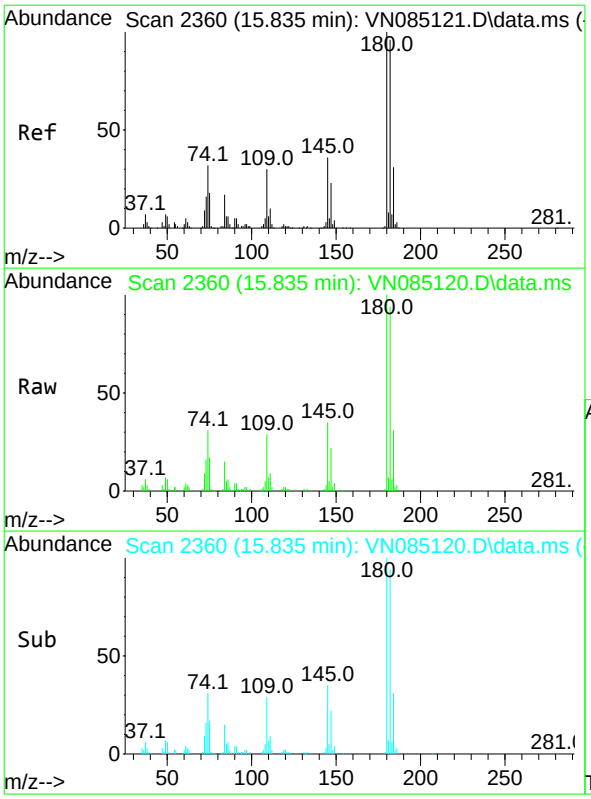


#88
1,2-Dibromo-3-Chloropropane
Concen: 106.118 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 75 Resp: 56942

Ion	Ratio	Lower	Upper
75	100		
155	80.4	62.1	93.1
157	102.3	79.3	118.9

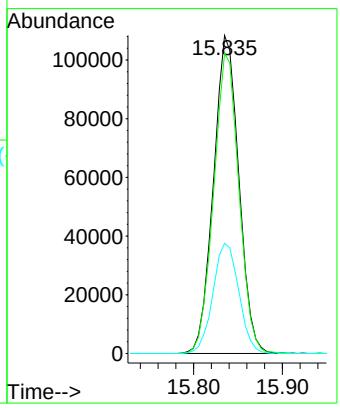




#89
1,2,4-Trichlorobenzene
Concen: 114.647 ug/l
RT: 15.835 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:180 Resp: 214927

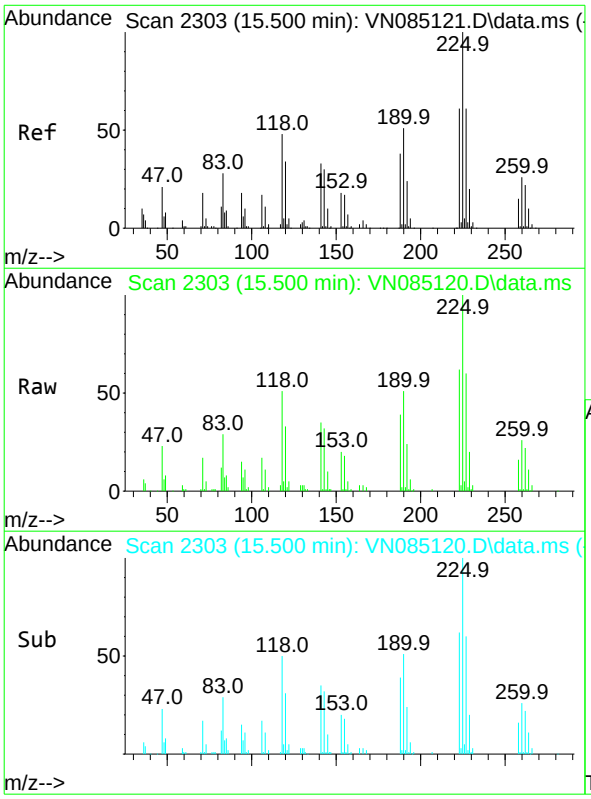
Ion	Ratio	Lower	Upper
180	100		
182	94.0	74.0	111.0
145	35.4	28.6	43.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

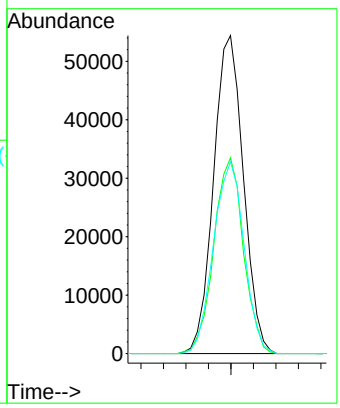
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

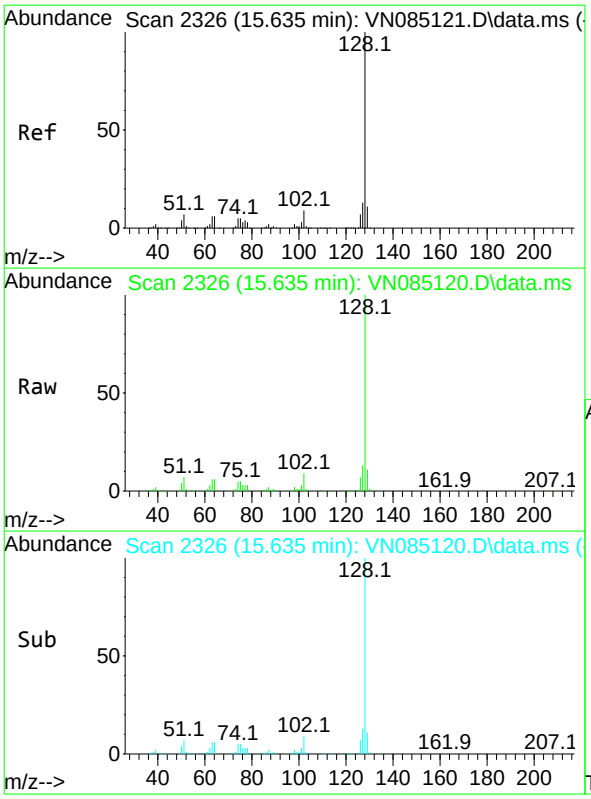


#90
Hexachlorobutadiene
Concen: 102.912 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:225 Resp: 100252

Ion	Ratio	Lower	Upper
225	100		
223	61.1	0.0	121.8
227	61.9	0.0	126.8

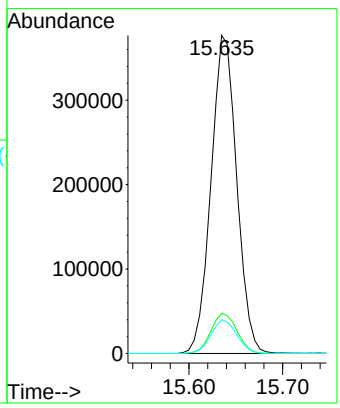




#91
Naphthalene
Concen: 123.516 ug/l
RT: 15.635 min Scan# 23
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:128 Resp: 719387

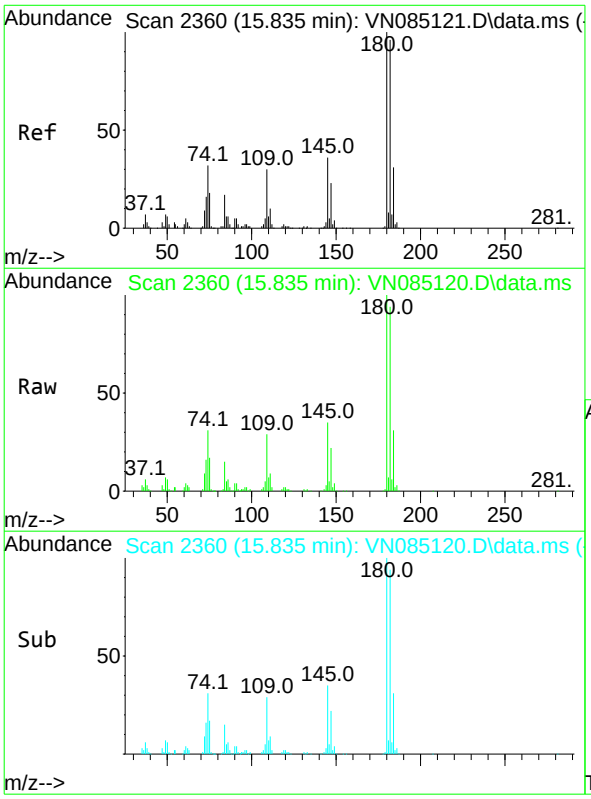
Ion	Ratio	Lower	Upper
128	100		
127	12.8	11.0	16.4
129	10.6	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

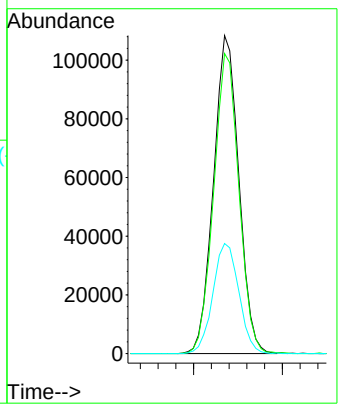
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024



#92
1,2,3-Trichlorobenzene
Concen: 114.647 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:180 Resp: 214927

Ion	Ratio	Lower	Upper
180	100		
182	94.0	0.0	185.0
145	35.4	0.0	71.6



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085121.D
Acq On : 06 Dec 2024 11:37
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 06 22:31:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	29869	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.094	114	165478	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	154258	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	72104	30.424	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.400%				
60) 4-Bromofluorobenzene	12.847	95	77038	30.183	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.600%				
63) Toluene-d8	10.565	98	210929	29.150	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.167%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	382696	160.147	ug/l		100
3) Chloromethane	2.359	50	336891	159.276	ug/l		96
4) Vinyl Chloride	2.512	62	337908	156.192	ug/l		98
5) Bromomethane	2.930	94	203330	148.033	ug/l		96
6) Chloroethane	3.106	64	209222	157.410	ug/l		100
7) Trichlorofluoromethane	3.489	101	564698	159.461	ug/l		98
8) Diethyl Ether	3.959	74	189430	168.881	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.371	101	311182	157.134	ug/l		98
10) 1,1-Dichloroethene	4.336	96	297605	163.607	ug/l		94
11) Methyl Iodide	4.589	142	437650	173.477	ug/l		96
12) Methyl Acetate	5.018	43	348950	162.608	ug/l		95
13) Acrolein	4.171	56	272433	873.598	ug/l		94
14) Acrylonitrile	5.712	53	742116	832.848	ug/l		97
15) Acetone	4.424	58	196952	815.641	ug/l		97
16) Carbon Disulfide	4.712	76	864628	159.023	ug/l		100
17) Allyl chloride	5.018	41	433507	166.552	ug/l		91
18) Methylene Chloride	5.271	84	313694	151.985	ug/l		97
19) trans-1,2-Dichloroethene	5.783	96	302760	160.130	ug/l		92
20) Diisopropyl ether	6.665	45	921058	161.244	ug/l		99
21) 1,1-Dichloroethane	6.565	63	551498	156.428	ug/l	#	98
22) cis-1,2-Dichloroethene	7.483	96	353328	162.585	ug/l		99
23) tert-Butyl Alcohol	5.518	59	276979	866.490	ug/l	#	100
24) Methyl tert-Butyl Ether	5.794	73	971837m	171.143	ug/l		
25) Chloroform	7.965	83	569561	154.206	ug/l		96
26) Cyclohexane	8.253	56	483028	166.394	ug/l	#	93
29) 1,1-Dichloropropene	8.371	75	418388	156.686	ug/l		99
30) 2-Butanone	7.477	43	967143	789.269	ug/l		99
31) 2,2-Dichloropropane	7.488	77	524946	153.308	ug/l	#	100
32) 1,1,1-Trichloroethane	8.165	97	539832	149.363	ug/l		99
33) Carbon Tetrachloride	8.359	117	490377	150.360	ug/l		96
34) Benzene	8.600	78	1259887	150.194	ug/l		97
35) Methacrylonitrile	7.777	41	215224	156.078	ug/l		95
36) 1,2-Dichloroethane	8.665	62	422140	147.830	ug/l		99
37) Trichloroethene	9.347	130	306812	153.593	ug/l		94
38) Methylcyclohexane	9.600	83	490389	168.903	ug/l		93
39) 1,2-Dichloropropane	9.618	63	304138	149.691	ug/l		95
40) Dibromomethane	9.706	93	218470	149.905	ug/l		98
41) Bromodichloromethane	9.888	83	469670	150.750	ug/l		96
42) Vinyl Acetate	6.600	43	3493830	814.821	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085121.D
Acq On : 06 Dec 2024 11:37
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 06 22:31:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.553	43	382630	156.937 ug/l	96
44) Isopropyl Acetate	8.688	43	672392	158.696 ug/l	99
45) 1,4-Dioxane	9.694	88	111218	3147.777 ug/l	96
46) Methyl methacrylate	9.677	41	320862	165.471 ug/l	97
47) n-amyl Acetate	12.494	43	592642	166.246 ug/l	92
48) t-1,3-Dichloropropene	10.835	75	499133	163.202 ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	525997	157.986 ug/l	98
50) 1,1,2-Trichloroethane	11.012	97	289001	147.159 ug/l	94
51) Ethyl methacrylate	10.871	69	506274	169.495 ug/l	96
52) 1,3-Dichloropropane	11.159	76	501665	152.638 ug/l	99
53) Dibromochloromethane	11.359	129	362326	151.395 ug/l	96
54) 1,2-Dibromoethane	11.471	107	305232	154.261 ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	1112538	801.795 ug/l	99
56) Bromoform	12.576	173	249601	155.551 ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	1988082	789.691 ug/l	98
59) 2-Hexanone	11.194	43	1508817	790.966 ug/l	98
61) Tetrachloroethene	11.100	164	270825	144.976 ug/l	96
62) Toluene	10.629	91	1370241	152.311 ug/l	100
64) Chlorobenzene	11.888	112	858494	154.562 ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	311301	150.134 ug/l	98
66) Ethyl Benzene	11.959	91	1573924	164.874 ug/l	98
67) m/p-Xylenes	12.071	106	1195807	325.683 ug/l	99
68) o-Xylene	12.394	106	562377	163.091 ug/l	100
69) Styrene	12.406	104	976478	166.883 ug/l	99
70) Isopropylbenzene	12.694	105	1467994	165.057 ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	401707	148.393 ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	386819m	144.654 ug/l	
73) Bromobenzene	12.976	156	347939	156.185 ug/l	99
74) n-propylbenzene	13.035	91	1746230	163.317 ug/l	99
75) 2-Chlorotoluene	13.123	91	1057392	159.945 ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	1241282	162.904 ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	163318	168.075 ug/l	94
78) 4-Chlorotoluene	13.218	91	1062762	158.383 ug/l	99
79) tert-butylbenzene	13.435	119	1033507	165.137 ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	1230594	163.500 ug/l	100
81) sec-Butylbenzene	13.612	105	1466428	164.927 ug/l	98
82) p-Isopropyltoluene	13.729	119	1249133	169.455 ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	629183	153.943 ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	630821	158.368 ug/l	99
85) n-Butylbenzene	14.053	91	1076317	174.069 ug/l	98
86) Hexachloroethane	14.329	117	234799	160.002 ug/l	98
87) 1,2-Dichlorobenzene	14.106	146	591716	153.379 ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	89112	164.781 ug/l	96
89) 1,2,4-Trichlorobenzene	15.835	180	332292	175.876 ug/l	98
90) Hexachlorobutadiene	15.500	225	150844	153.643 ug/l	98
91) Naphthalene	15.635	128	1116289	190.174 ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	332292	175.876 ug/l	98

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

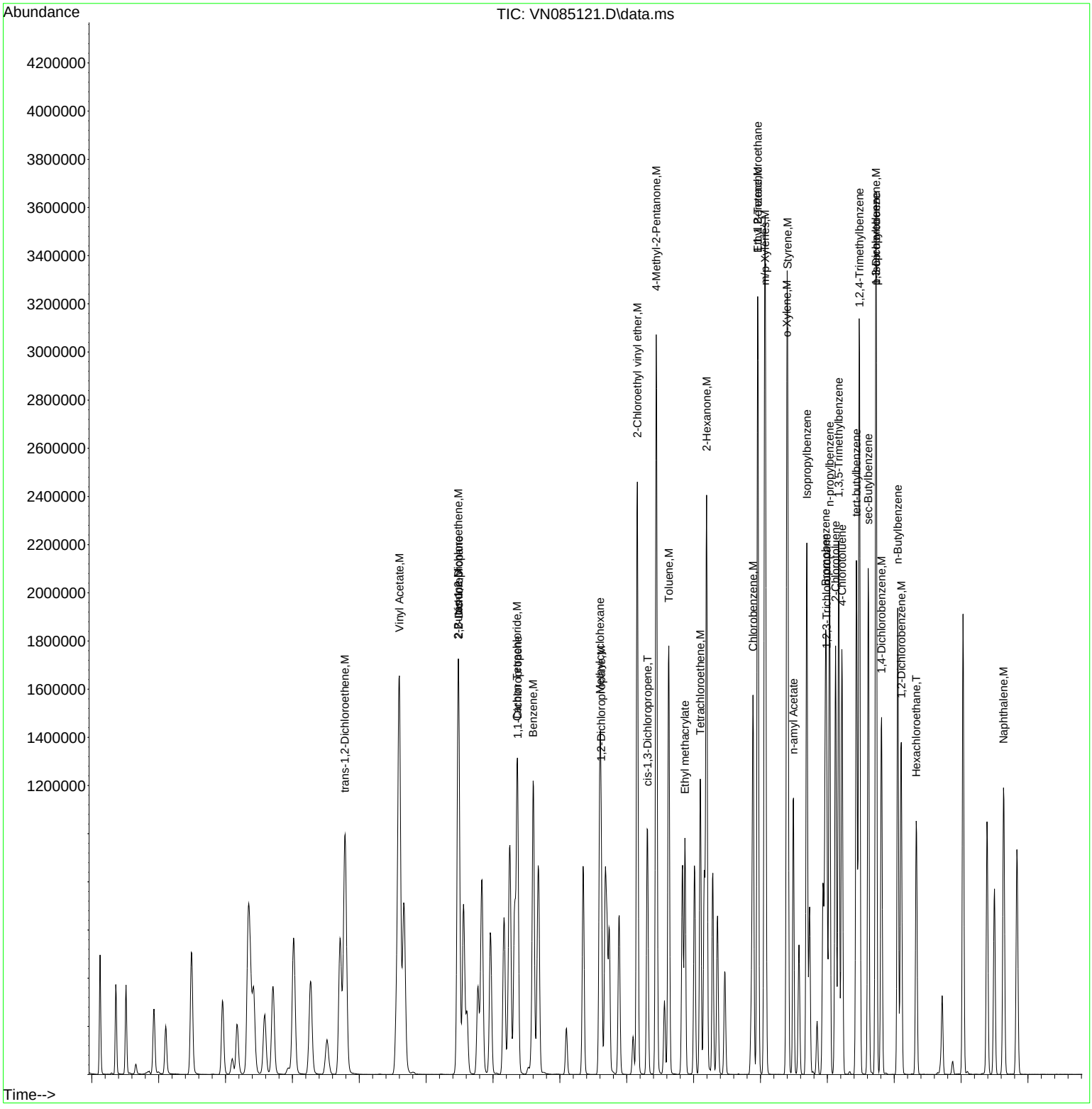
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085121.D
Acq On : 06 Dec 2024 11:37
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

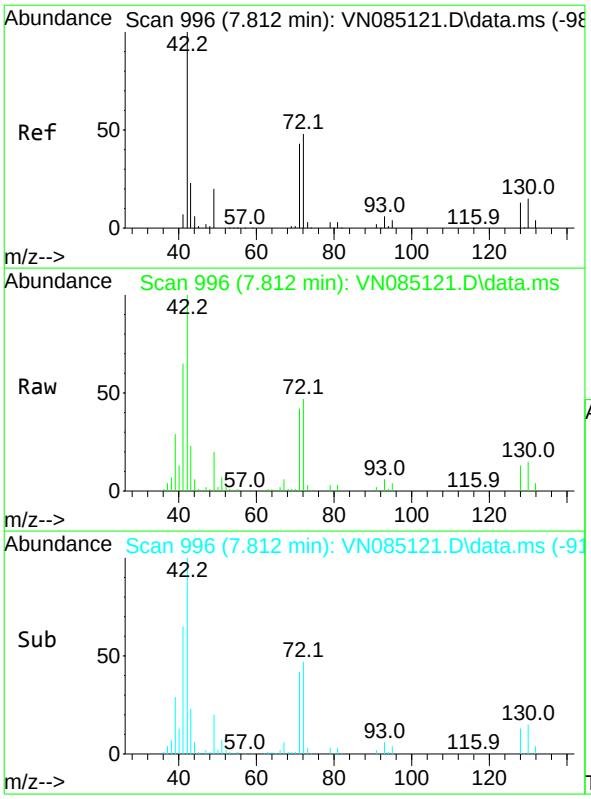
Quant Time: Dec 06 22:31:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

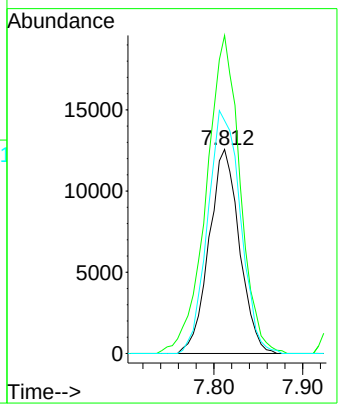




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:128 Resp: 29869

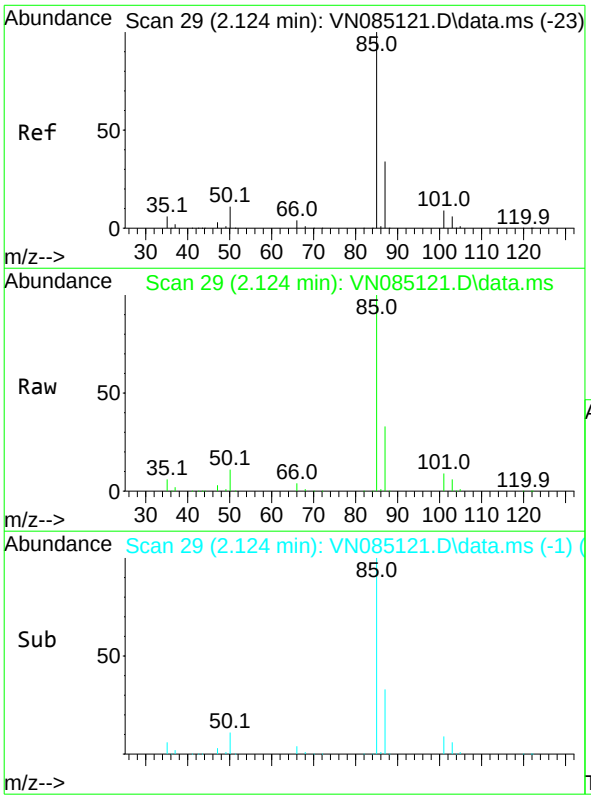
Ion	Ratio	Lower	Upper
128	100		
49	173.0	0.0	394.5
130	128.6	0.0	316.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

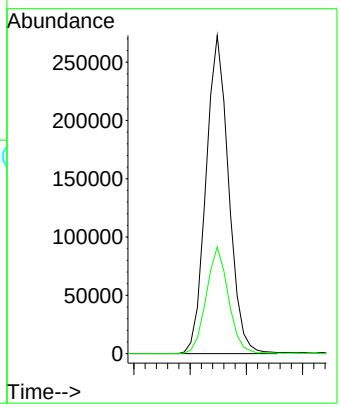
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

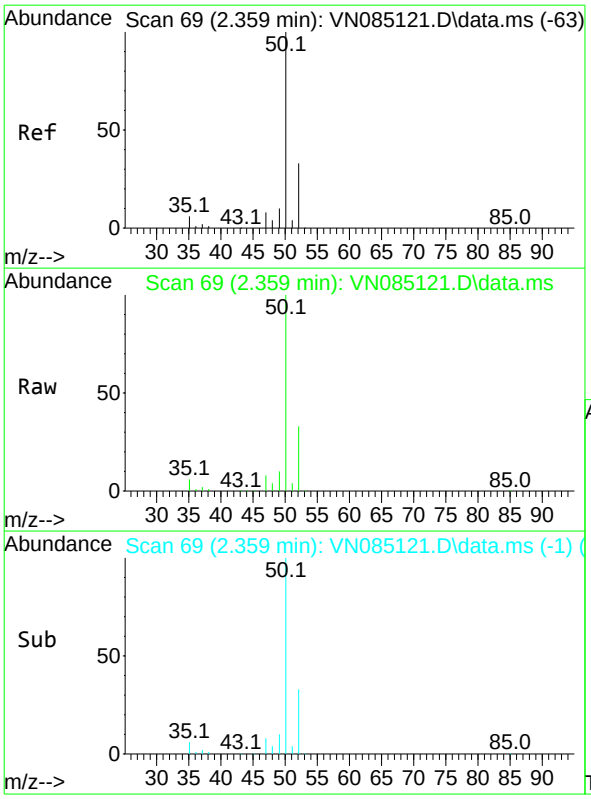


#2
Dichlorodifluoromethane
Concen: 160.147 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 85 Resp: 382696

Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.8	50.3

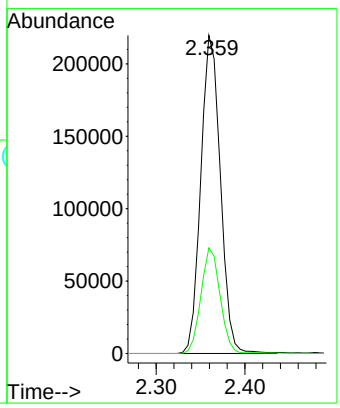




#3
Chloromethane
Concen: 159.276 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 50 Resp: 336891

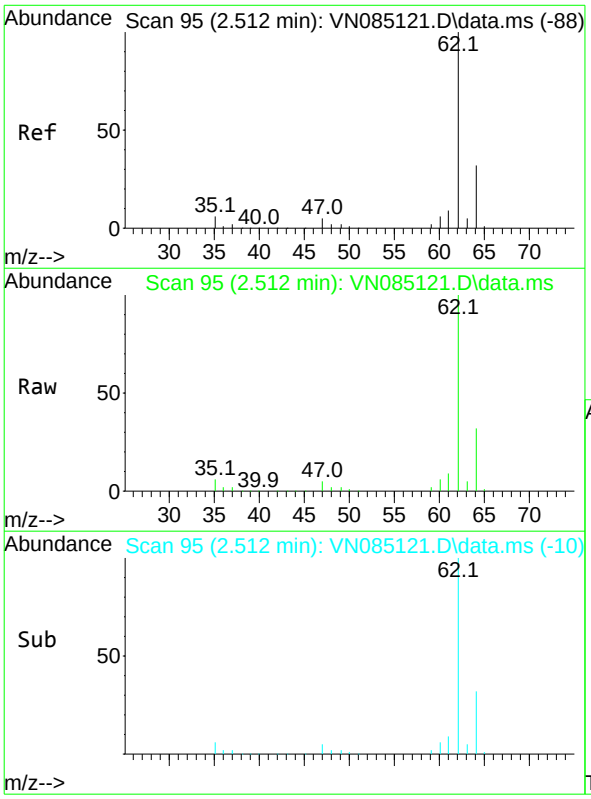
Ion	Ratio	Lower	Upper
50	100		
52	33.2	25.0	37.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

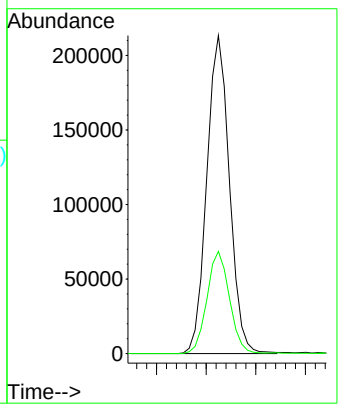
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

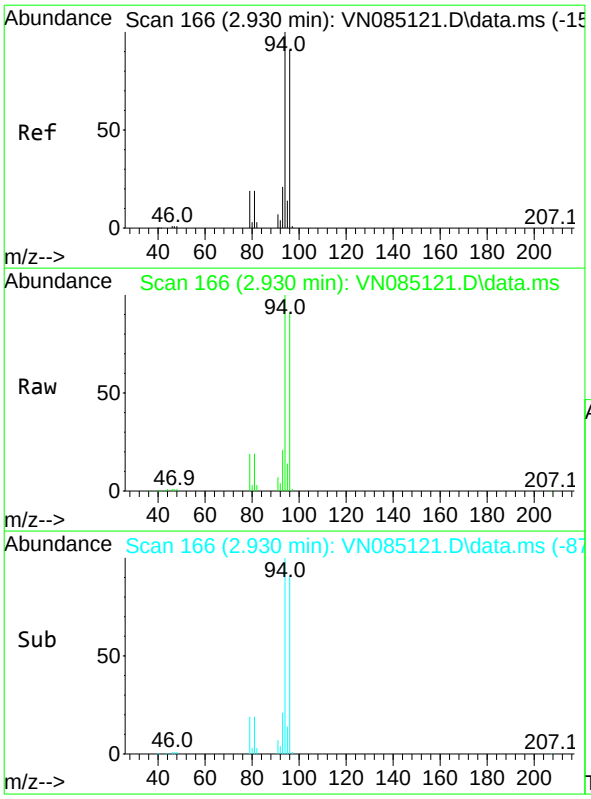


#4
Vinyl Chloride
Concen: 156.192 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 62 Resp: 337908

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.9	37.3

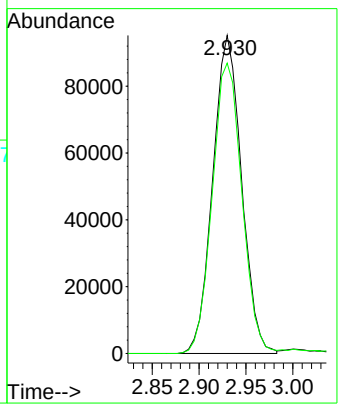




#5
Bromomethane
Concen: 148.033 ug/l
RT: 2.930 min Scan# 16
Delta R.T. -0.035 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 94 Resp: 203330

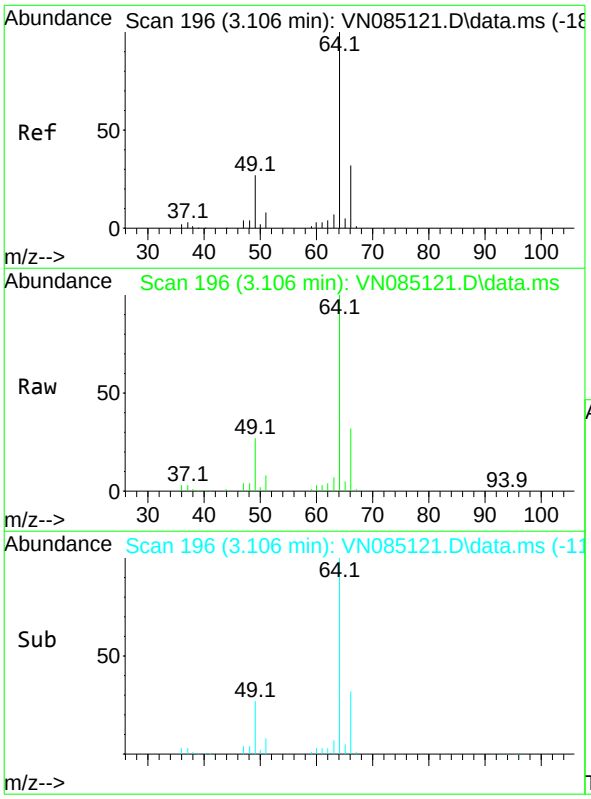
Ion	Ratio	Lower	Upper
94	100		
96	91.3	76.2	114.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

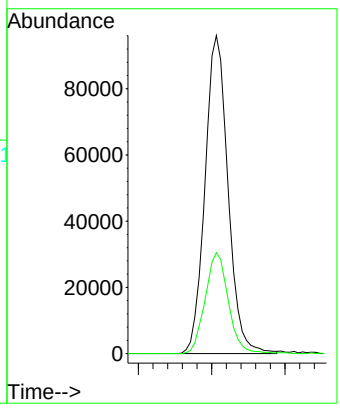
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

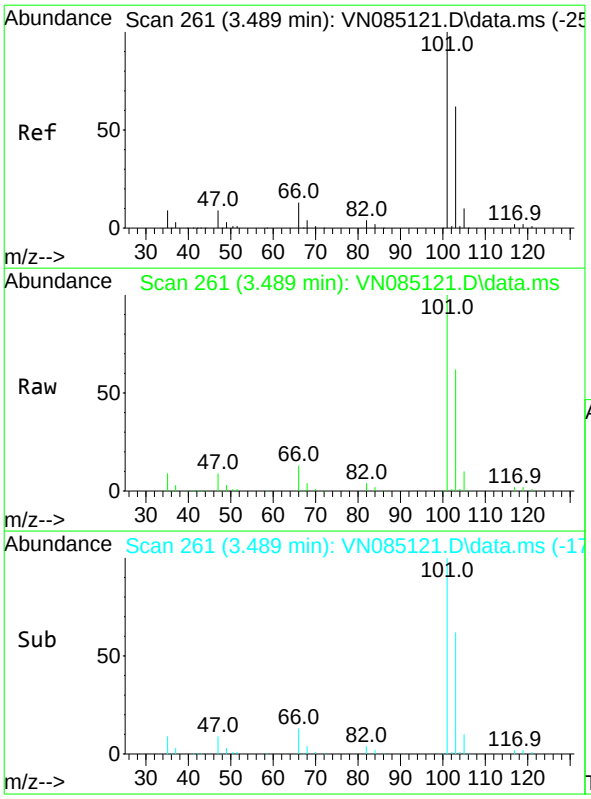


#6
Chloroethane
Concen: 157.410 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.018 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 64 Resp: 209222

Ion	Ratio	Lower	Upper
64	100		
66	31.7	25.5	38.3

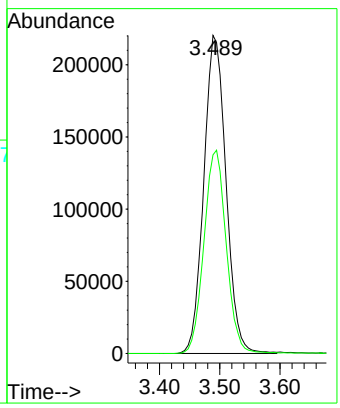




#7
Trichlorofluoromethane
Concen: 159.461 ug/l
RT: 3.489 min Scan# 26
Delta R.T. -0.012 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:101 Resp: 564698

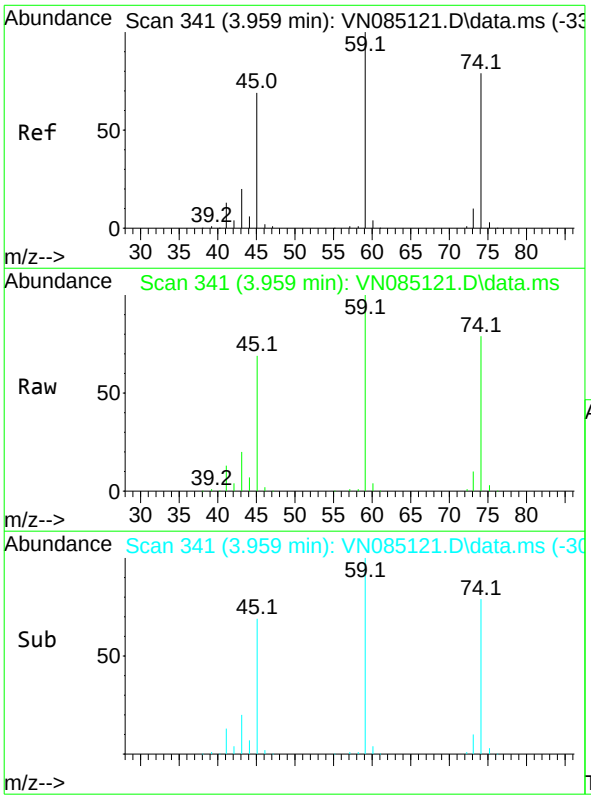
Ion	Ratio	Lower	Upper
101	100		
103	62.3	51.3	76.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

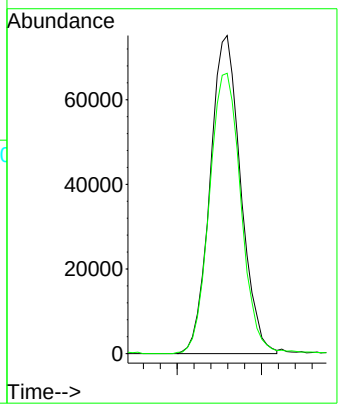
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

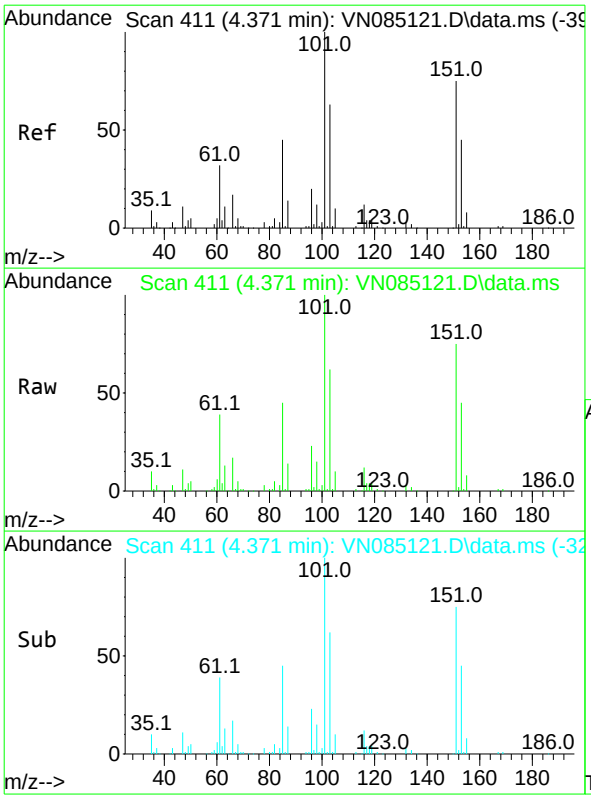


#8
Diethyl Ether
Concen: 168.881 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 74 Resp: 189430

Ion	Ratio	Lower	Upper
74	100		
45	90.9	18.6	167.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 157.134 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

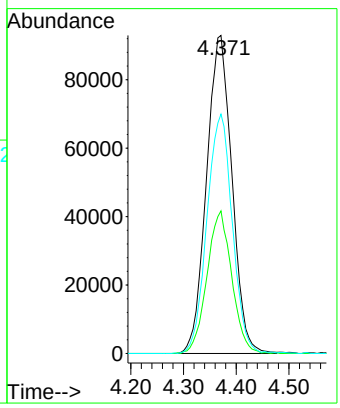
Tgt Ion:101 Resp: 311182

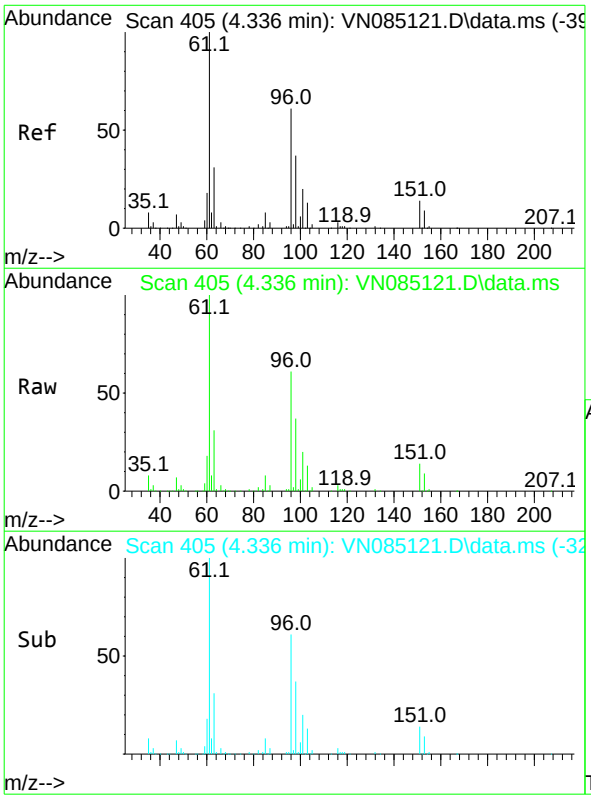
Ion	Ratio	Lower	Upper
101	100		
85	43.5	0.0	88.6
151	75.1	0.0	155.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

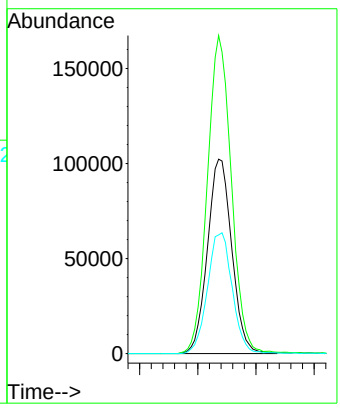


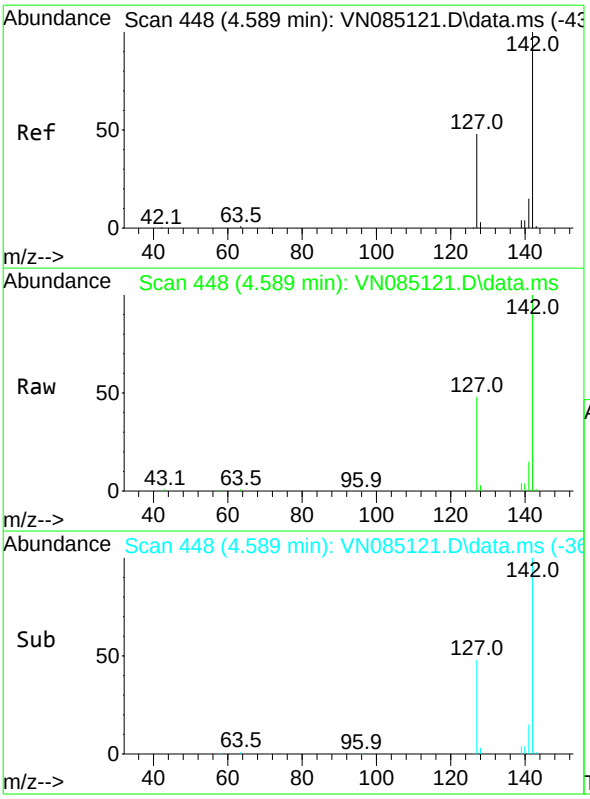


#10
1,1-Dichloroethene
Concen: 163.607 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 96 Resp: 297605

Ion	Ratio	Lower	Upper
96	100		
61	163.6	123.0	184.4
98	61.1	49.1	73.7

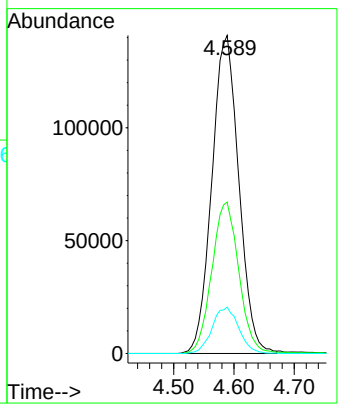




#11
Methyl Iodide
Concen: 173.477 ug/l
RT: 4.589 min Scan# 44
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:142 Resp: 437650

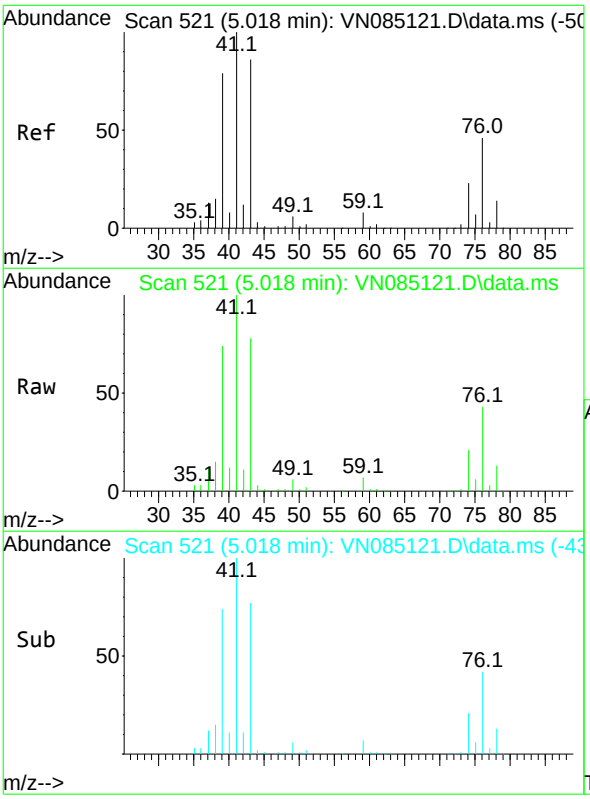
Ion	Ratio	Lower	Upper
142	100		
127	47.6	22.5	67.5
141	14.6	8.3	24.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

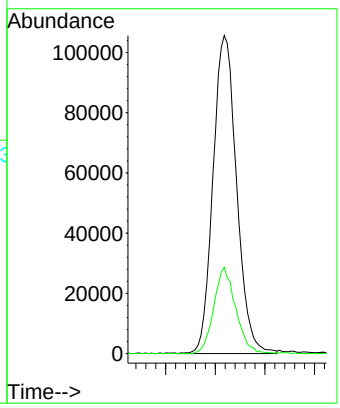
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

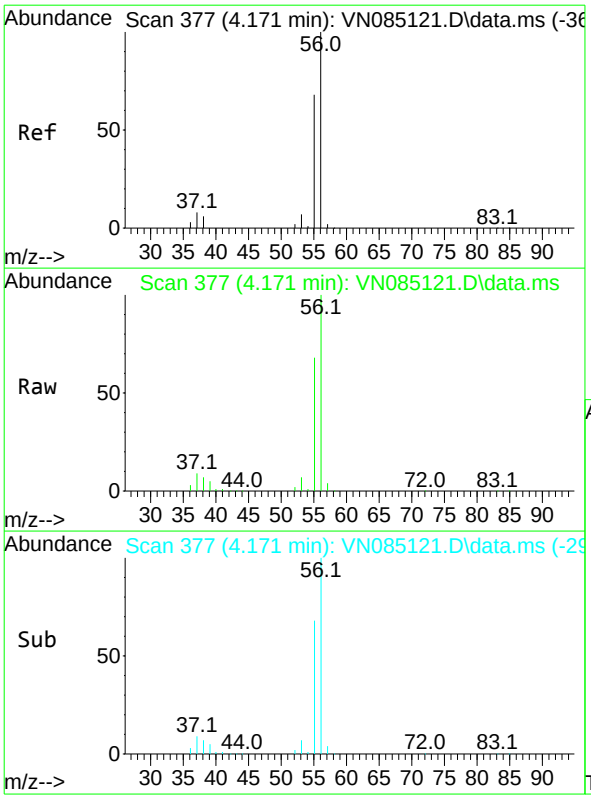


#12
Methyl Acetate
Concen: 162.608 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 43 Resp: 348950

Ion	Ratio	Lower	Upper
43	100		
74	27.2	19.8	29.6

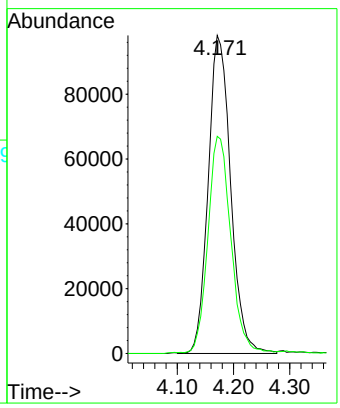




#13
Acrolein
Concen: 873.598 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.012 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 56 Resp: 272433

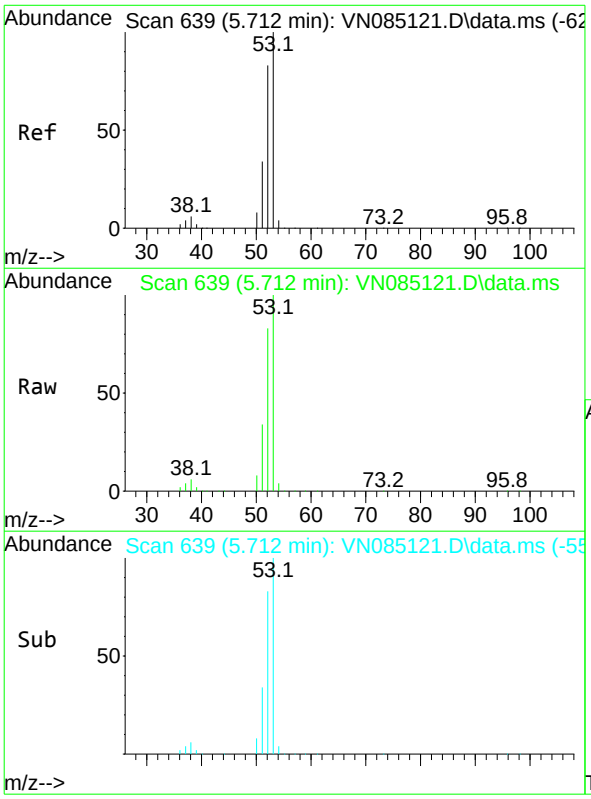
Ion	Ratio	Lower	Upper
56	100		
55	69.4	59.4	89.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

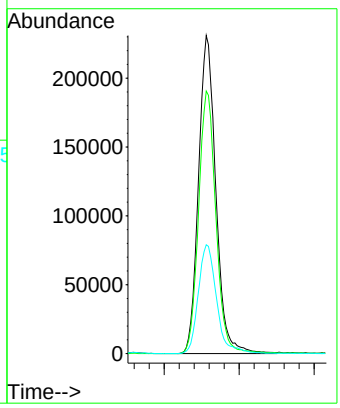
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

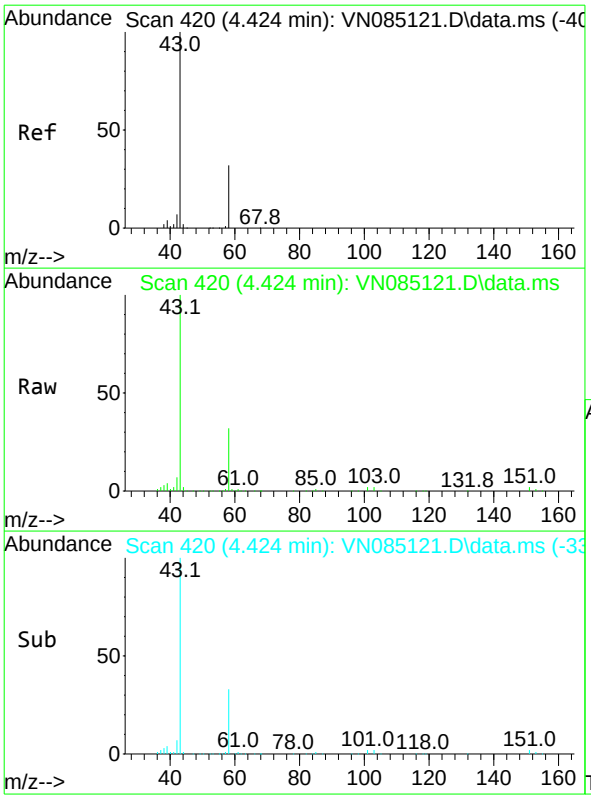


#14
Acrylonitrile
Concen: 832.848 ug/l
RT: 5.712 min Scan# 639
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 53 Resp: 742116

Ion	Ratio	Lower	Upper
53	100		
52	82.5	42.9	128.5
51	36.1	17.2	51.5

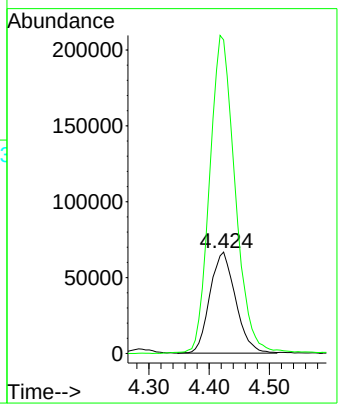




#15
Acetone
Concen: 815.641 ug/l
RT: 4.424 min Scan# 42
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 58 Resp: 196952

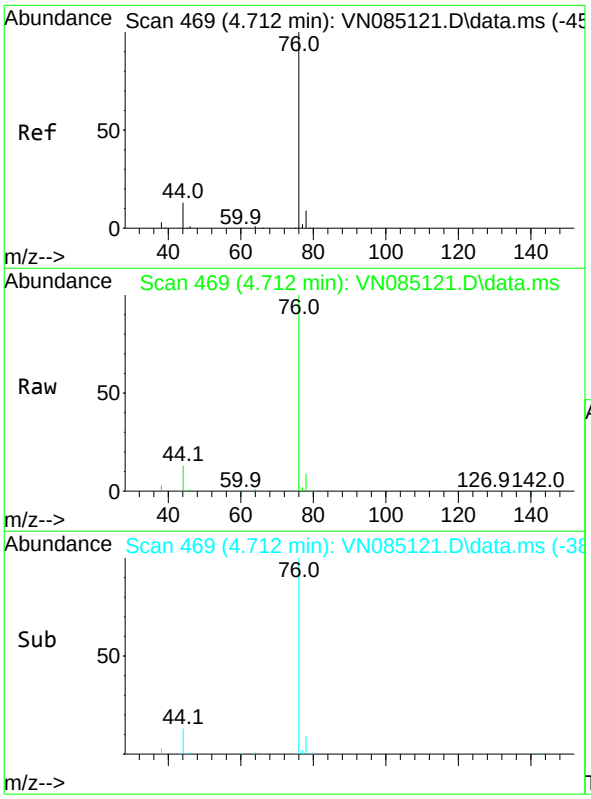
Ion	Ratio	Lower	Upper
58	100		
43	309.3	242.3	363.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

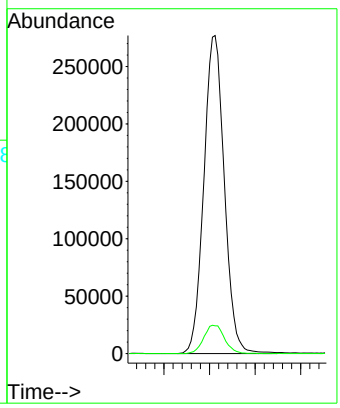
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

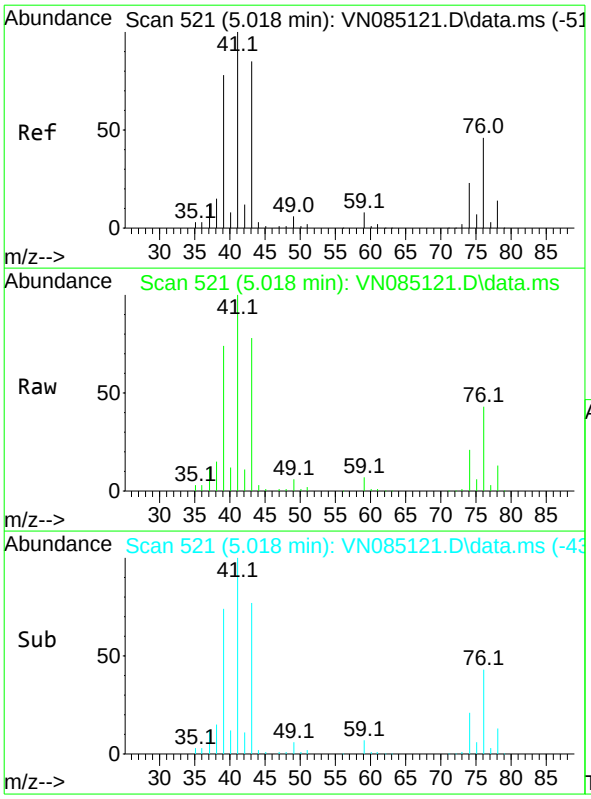


#16
Carbon Disulfide
Concen: 159.023 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 76 Resp: 864628

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.1	10.7

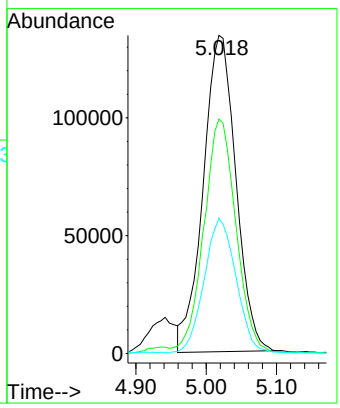




#17
Allyl chloride
Concen: 166.552 ug/l
RT: 5.018 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 41 Resp: 433507

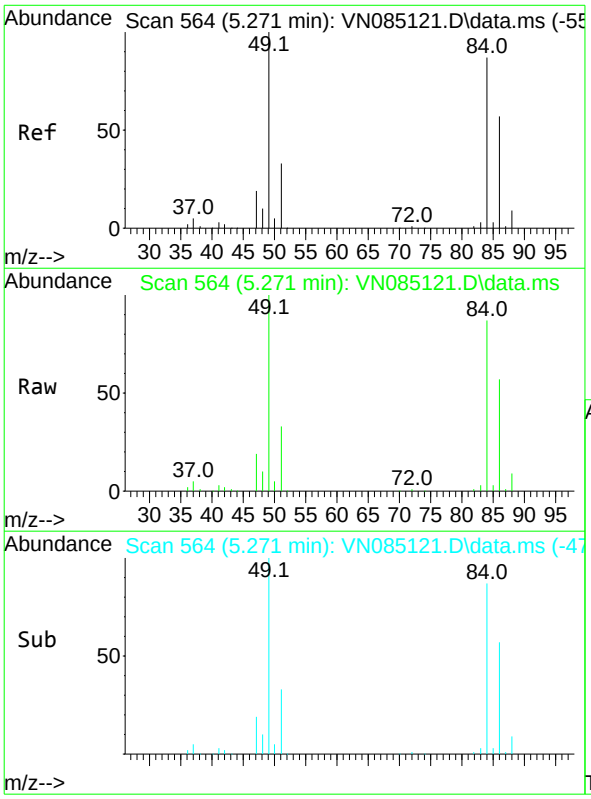
Ion	Ratio	Lower	Upper
41	100		
39	73.7	32.0	96.2
76	42.5	20.2	60.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

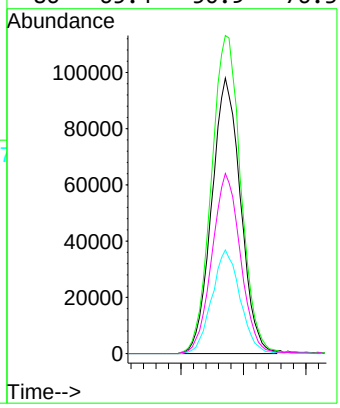
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

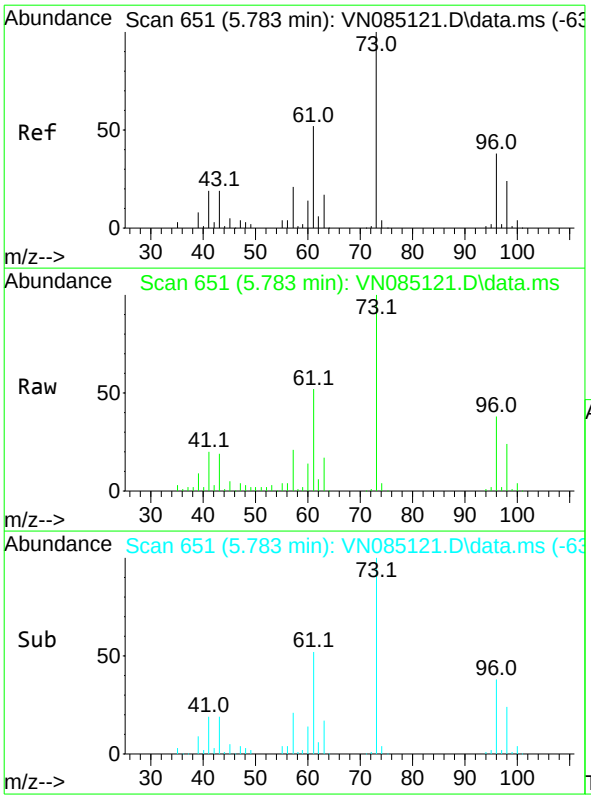


#18
Methylene Chloride
Concen: 151.985 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 84 Resp: 313694

Ion	Ratio	Lower	Upper
84	100		
49	115.5	95.1	142.7
51	37.6	27.4	41.0
86	65.4	50.9	76.3

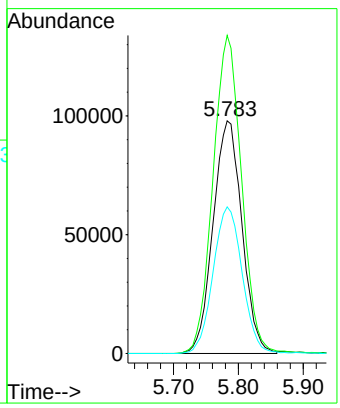




#19
trans-1,2-Dichloroethene
Concen: 160.130 ug/l
RT: 5.783 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 96 Resp: 302760

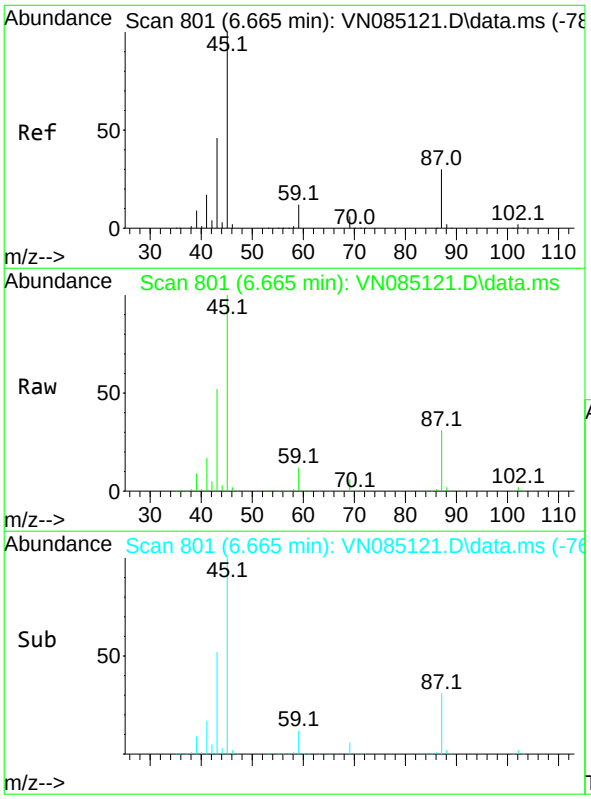
Ion	Ratio	Lower	Upper
96	100		
61	136.5	100.4	150.6
98	63.0	52.6	79.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

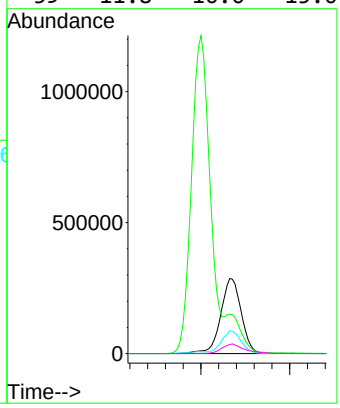
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

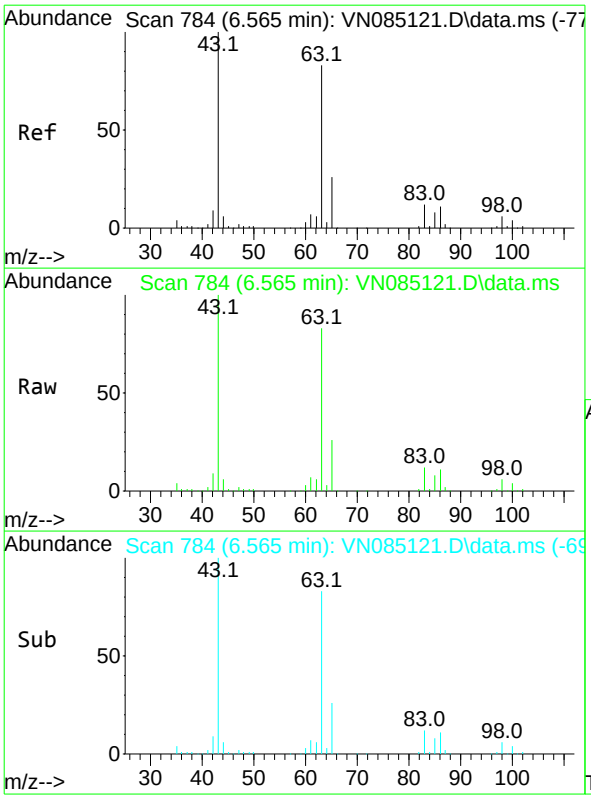


#20
Diisopropyl ether
Concen: 161.244 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 45 Resp: 921058

Ion	Ratio	Lower	Upper
45	100		
43	51.6	41.9	62.9
87	30.5	24.1	36.1
59	11.8	10.0	15.0

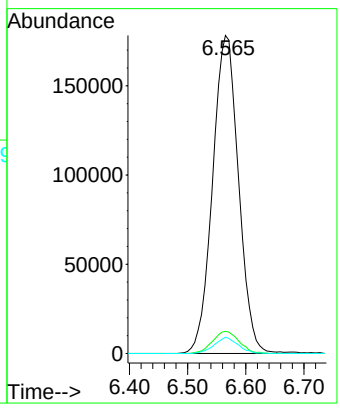




#21
1,1-Dichloroethane
Concen: 156.428 ug/l
RT: 6.565 min Scan# 78
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 63 Resp: 551498

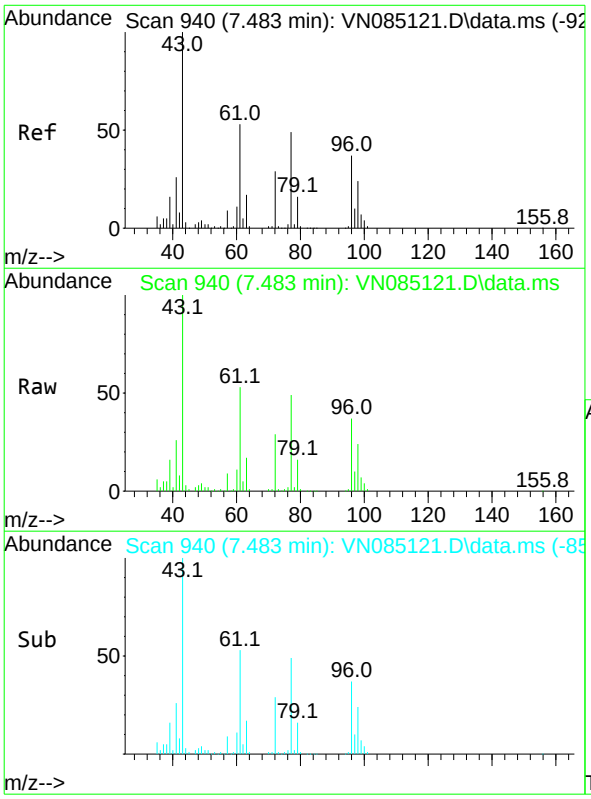
Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.4
100	5.1	1.6	4.8#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

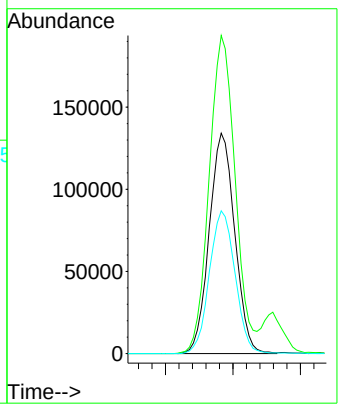
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

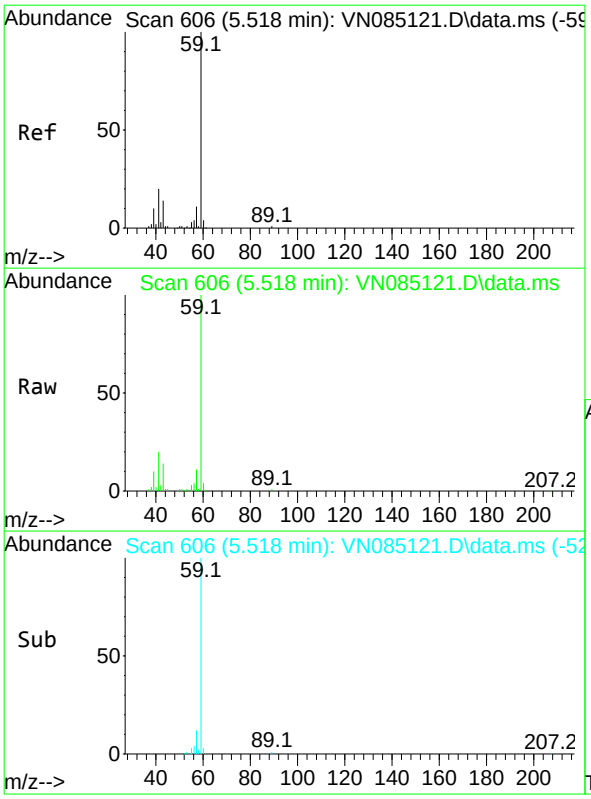


#22
cis-1,2-Dichloroethene
Concen: 162.585 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 96 Resp: 353328

Ion	Ratio	Lower	Upper
96	100		
61	147.0	115.9	173.9
98	65.0	51.8	77.8

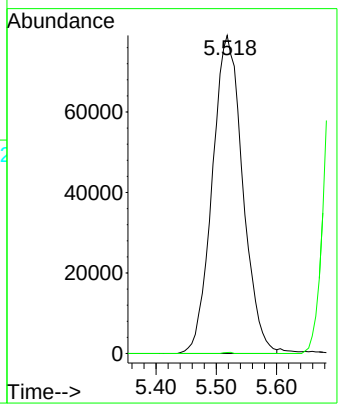




#23
tert-Butyl Alcohol
Concen: 866.490 ug/l
RT: 5.518 min Scan# 60
Delta R.T. 0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 59 Resp: 276979

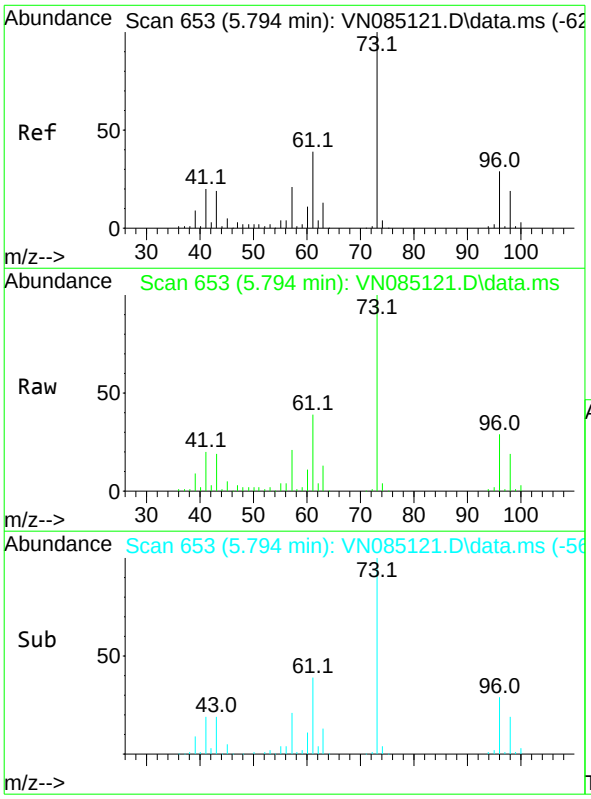
Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.0	0.0#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

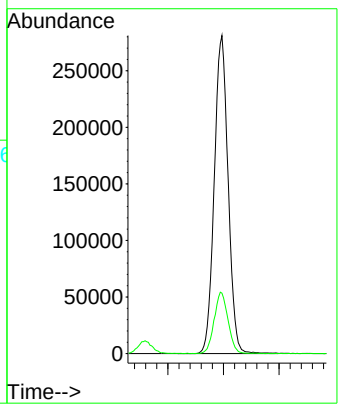
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

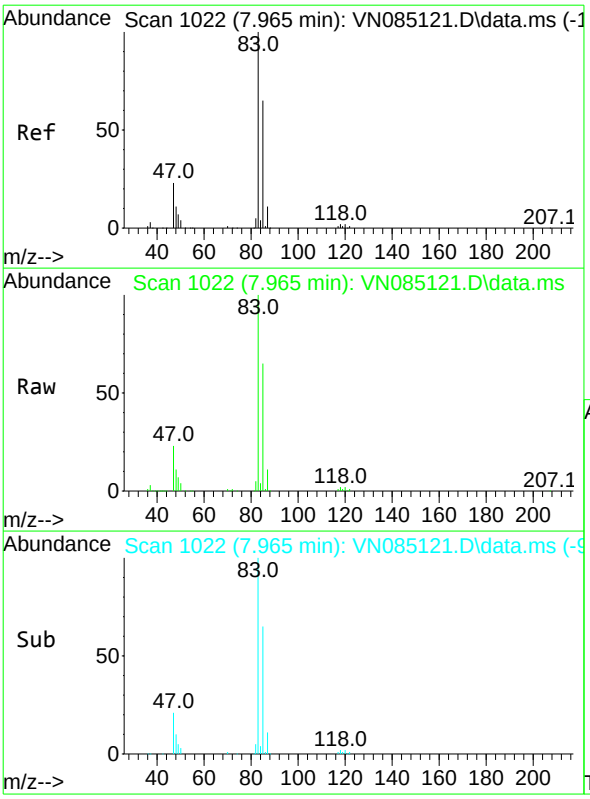


#24
Methyl tert-Butyl Ether
Concen: 171.143 ug/l m
RT: 5.794 min Scan# 653
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 73 Resp: 971837

Ion	Ratio	Lower	Upper
73	100		
43	0.0	8.7	13.1#

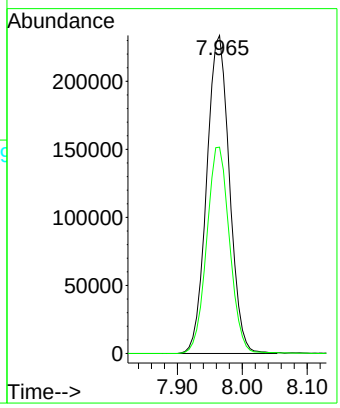




#25
Chloroform
Concen: 154.206 ug/l
RT: 7.965 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 83 Resp: 569561

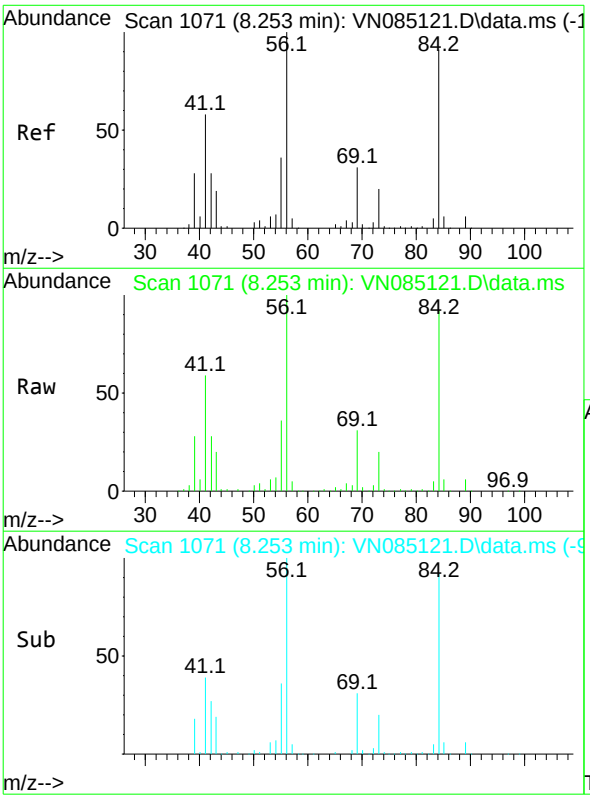
Ion	Ratio	Lower	Upper
83	100		
85	64.9	49.4	74.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

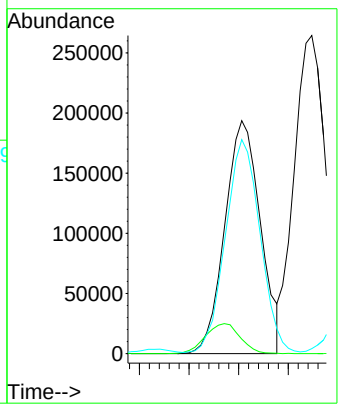
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

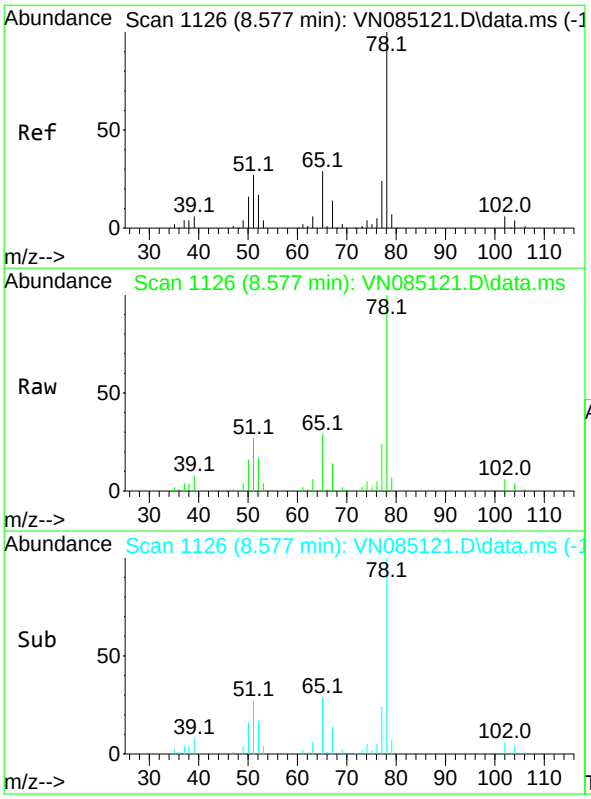


#26
Cyclohexane
Concen: 166.394 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 56 Resp: 483028

Ion	Ratio	Lower	Upper
56	100		
89	12.6	19.5	29.3#
84	90.0	70.6	105.8

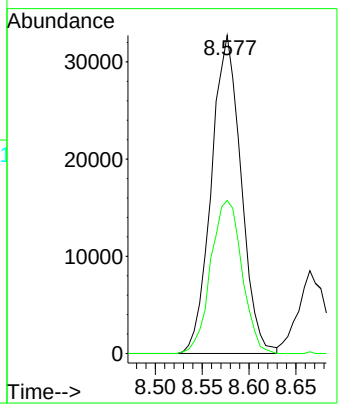




#27
1,2-Dichloroethane-d4
Concen: 30.424 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 65 Resp: 72104

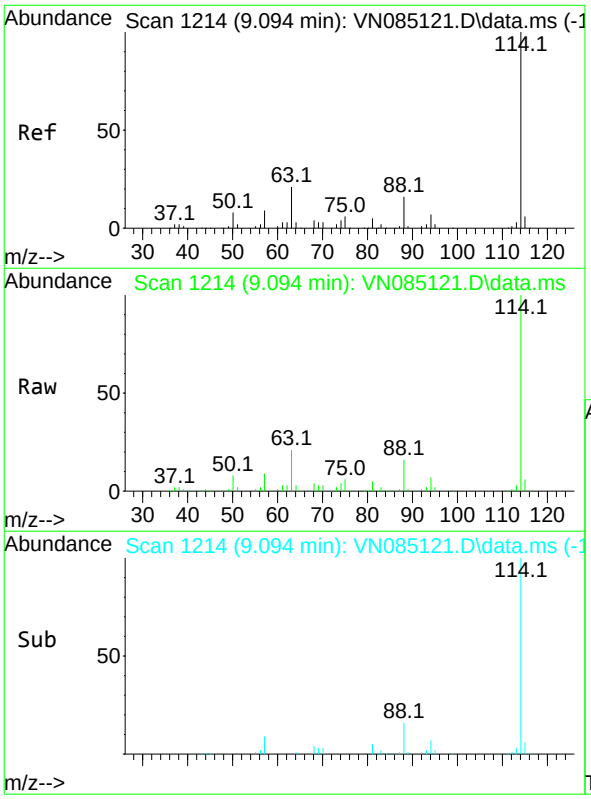
Ion	Ratio	Lower	Upper
65	100		
67	50.5	39.9	59.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

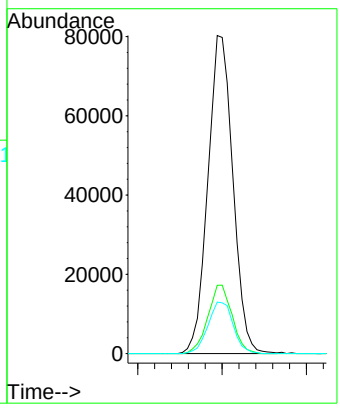
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

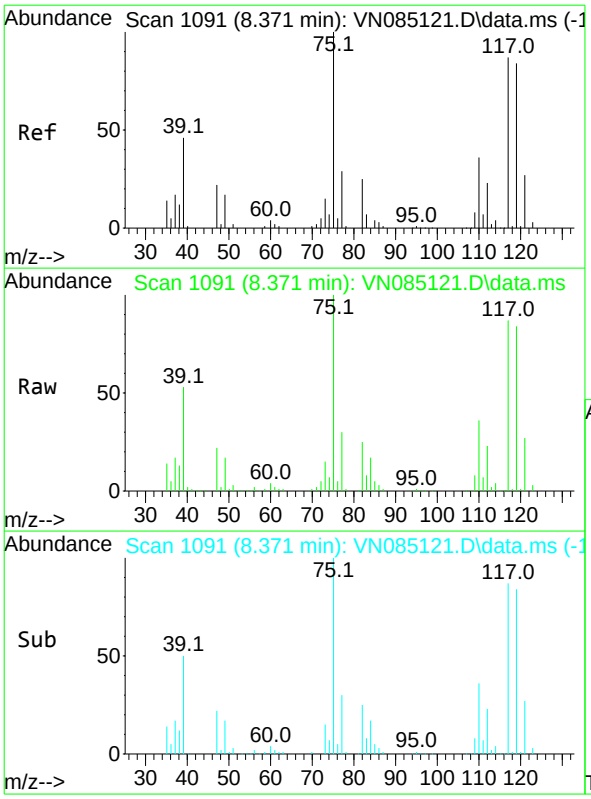


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:114 Resp: 165478

Ion	Ratio	Lower	Upper
114	100		
63	20.8	16.2	24.2
88	16.3	12.5	18.7

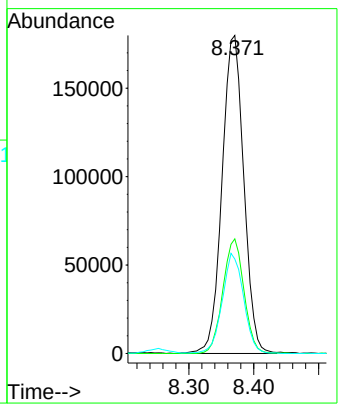




#29
1,1-Dichloropropene
Concen: 156.686 ug/l
RT: 8.371 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 75 Resp: 418388

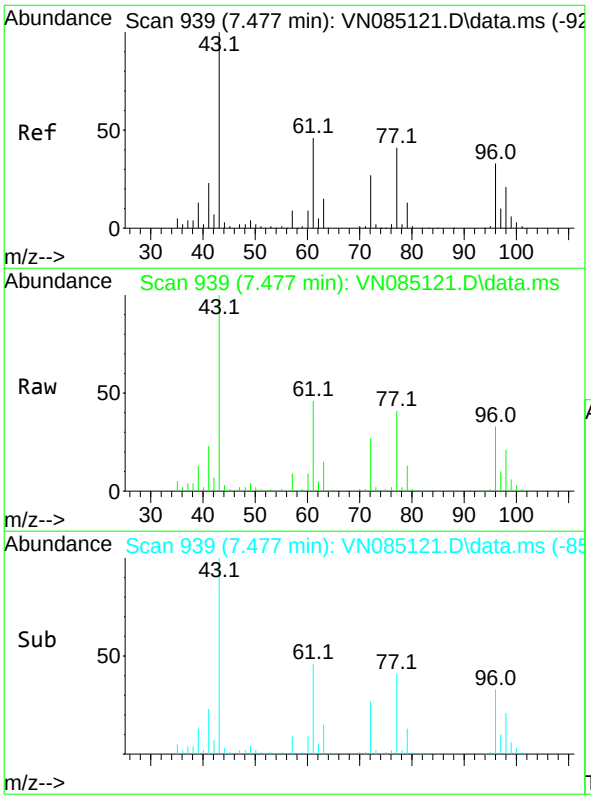
Ion	Ratio	Lower	Upper
75	100		
110	35.0	0.0	71.6
77	30.9	0.0	62.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

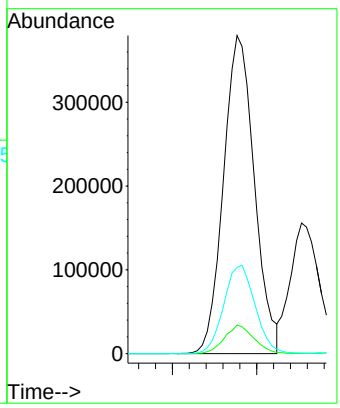
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

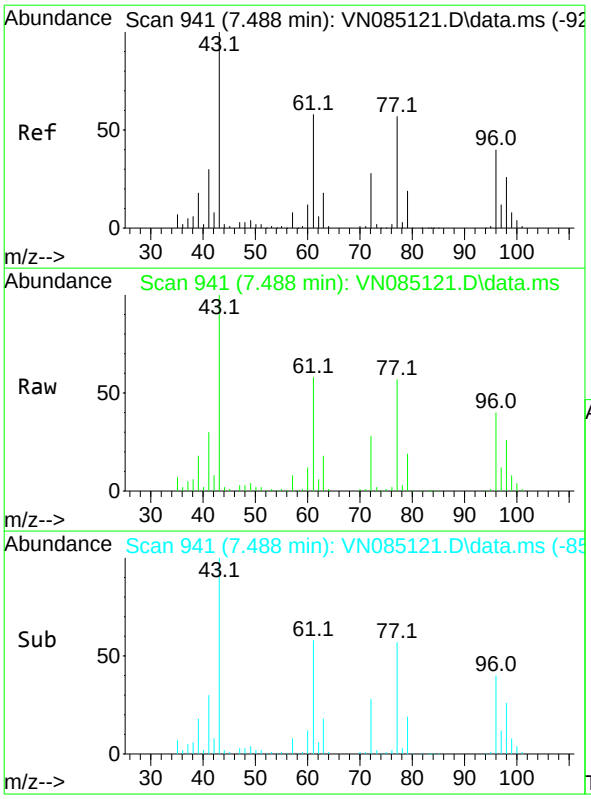


#30
2-Butanone
Concen: 789.269 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 43 Resp: 967143

Ion	Ratio	Lower	Upper
43	100		
57	8.5	6.9	10.3
72	28.2	21.8	32.8





#31
2,2-Dichloropropane
Concen: 153.308 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

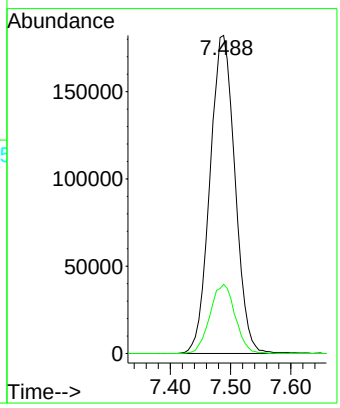
Tgt Ion: 77 Resp: 524946

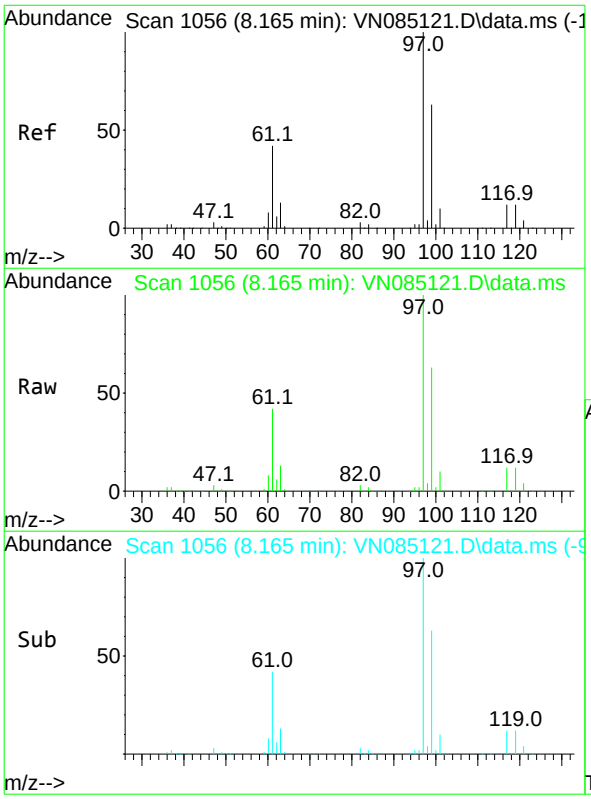
Ion	Ratio	Lower	Upper
77	100		
97	21.8	0.0	0.0#

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

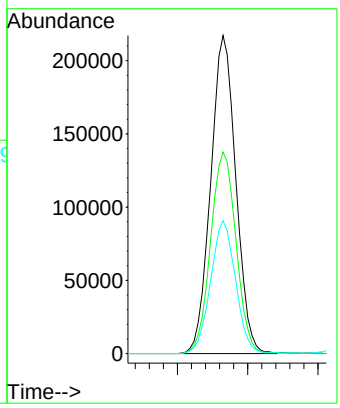


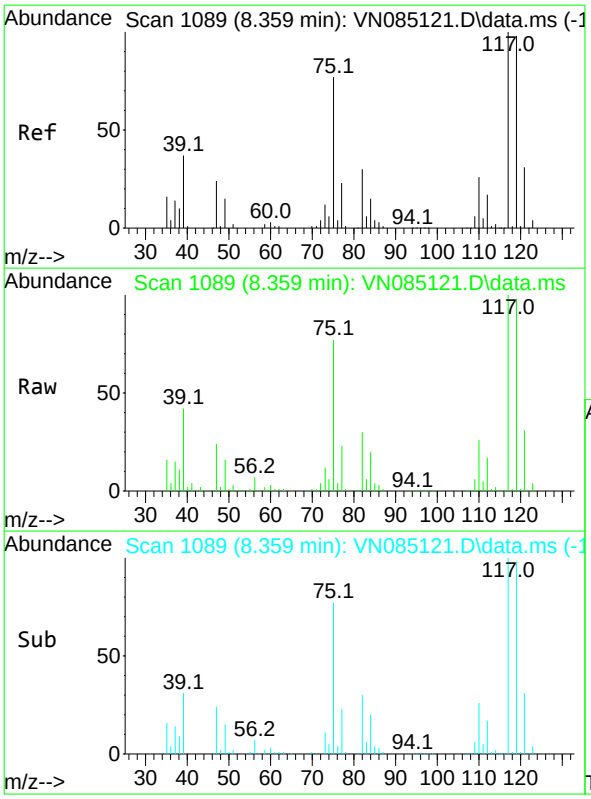


#32
1,1,1-Trichloroethane
Concen: 149.363 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 97 Resp: 539832

Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.8	76.2
61	41.4	32.7	49.1

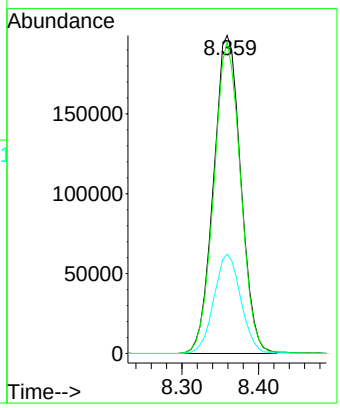




#33
Carbon Tetrachloride
Concen: 150.360 ug/l
RT: 8.359 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:117 Resp: 490377

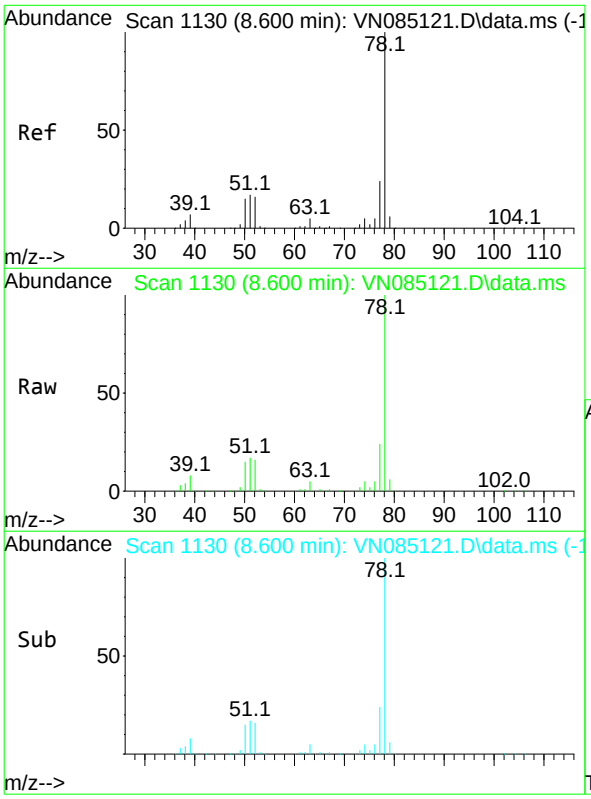
Ion	Ratio	Lower	Upper
117	100		
119	97.9	81.6	122.4
121	31.2	26.5	39.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

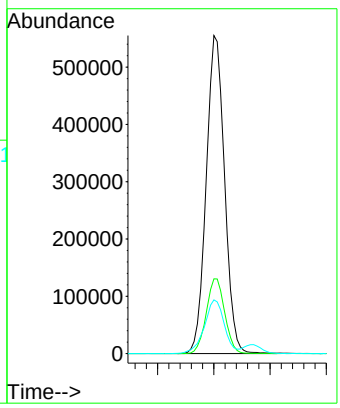
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

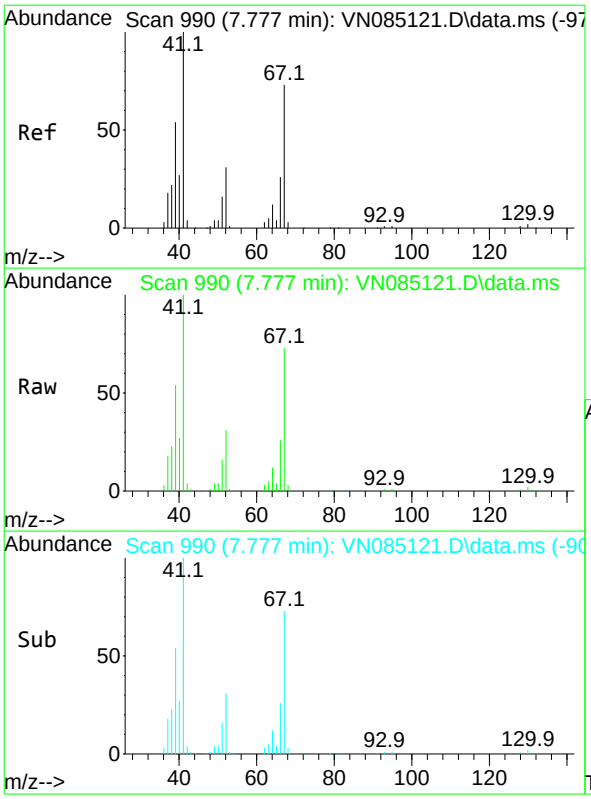


#34
Benzene
Concen: 150.194 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 78 Resp: 1259887

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.0	27.0
51	16.8	12.4	18.6

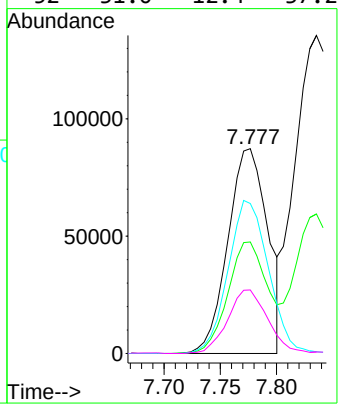




#35
Methacrylonitrile
Concen: 156.078 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 41 Resp: 215224

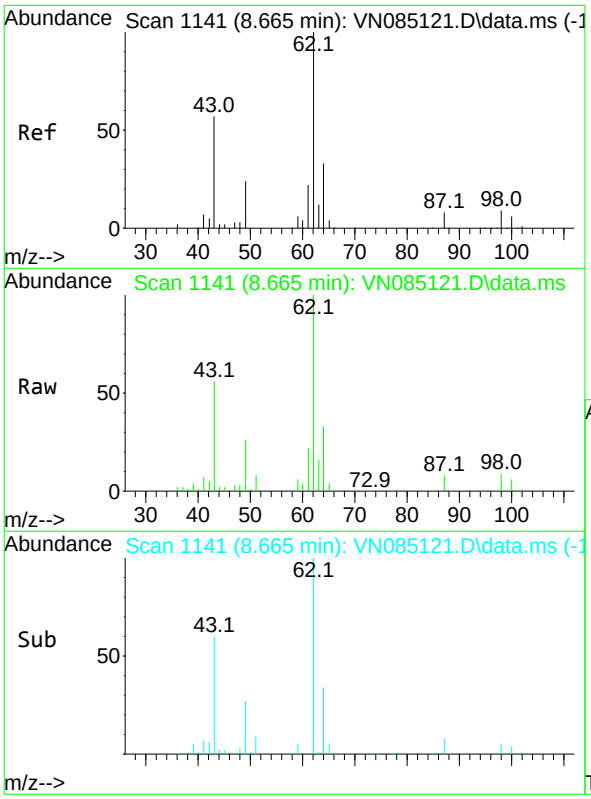
Ion	Ratio	Lower	Upper
41	100		
39	54.3	24.4	73.2
67	73.2	37.0	110.9
52	31.0	12.4	37.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

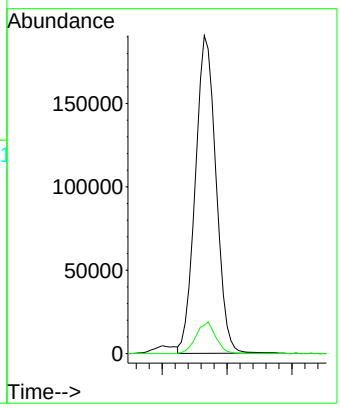
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

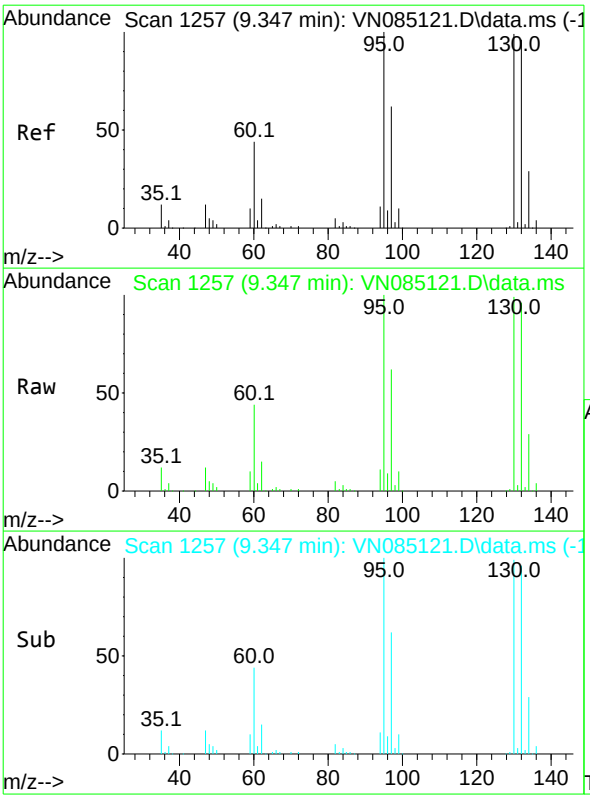


#36
1,2-Dichloroethane
Concen: 147.830 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 62 Resp: 422140

Ion	Ratio	Lower	Upper
62	100		
98	9.4	7.3	10.9

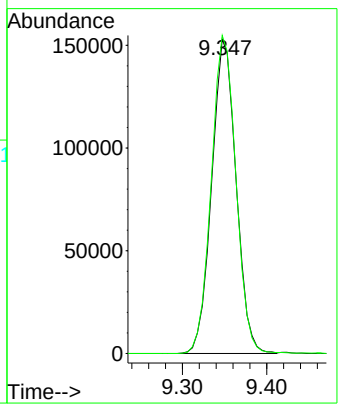




#37
Trichloroethene
Concen: 153.593 ug/l
RT: 9.347 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:130 Resp: 306812

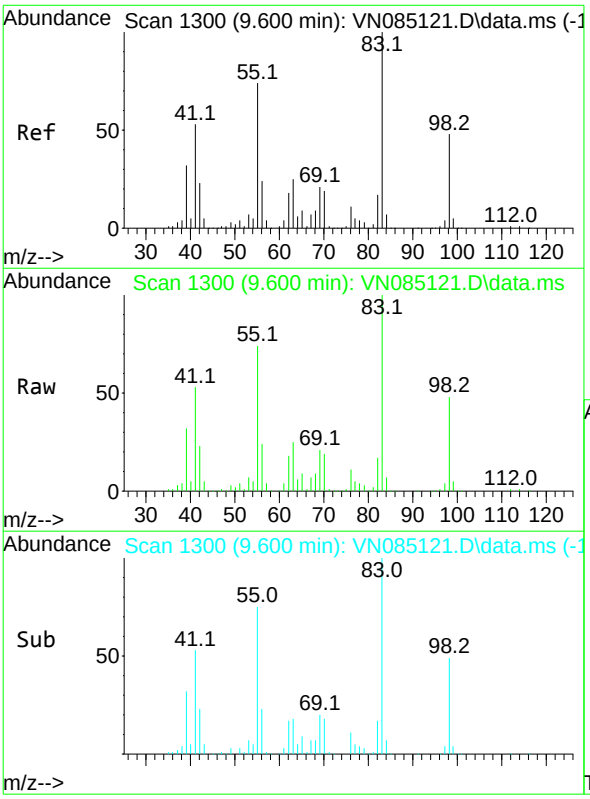
Ion	Ratio	Lower	Upper
130	100		
95	101.3	76.2	114.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

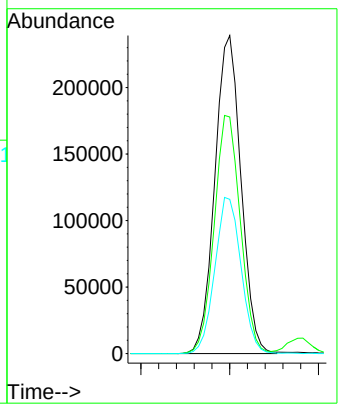
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

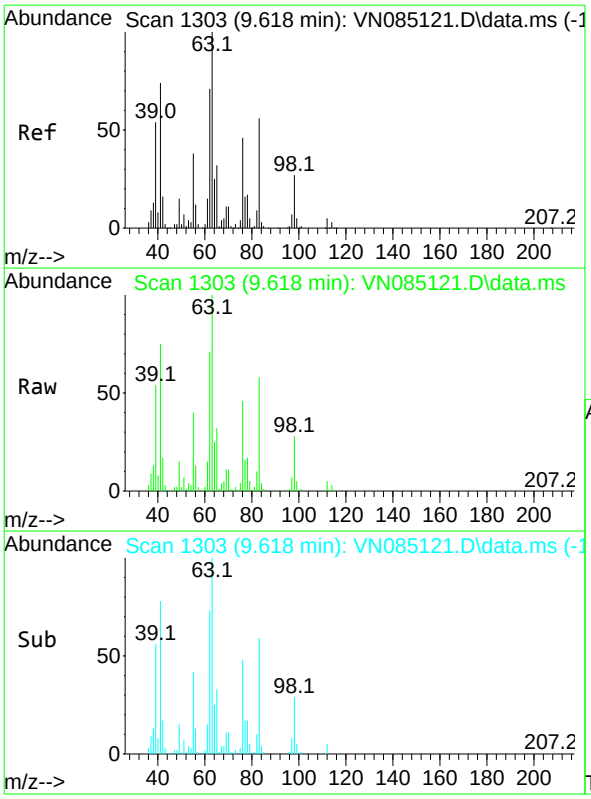


#38
Methylcyclohexane
Concen: 168.903 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 83 Resp: 490389

Ion	Ratio	Lower	Upper
83	100		
55	74.7	41.4	124.4
98	49.2	25.7	77.1

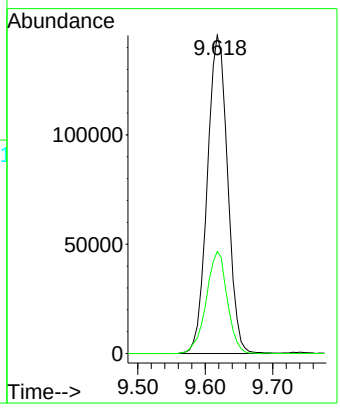




#39
1,2-Dichloropropane
Concen: 149.691 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 63 Resp: 304138

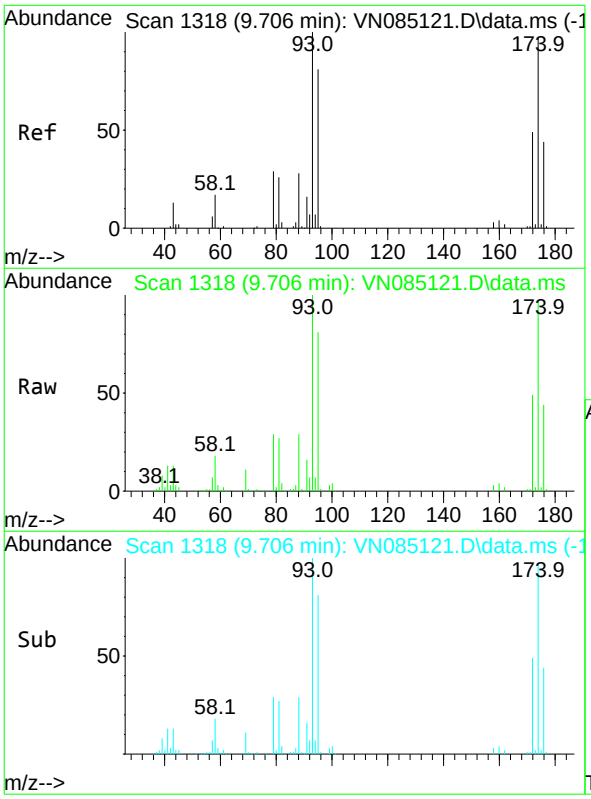
Ion	Ratio	Lower	Upper
63	100		
65	32.1	23.4	35.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

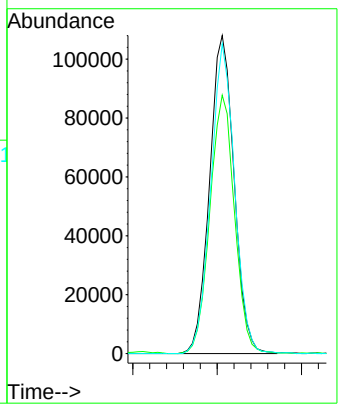
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

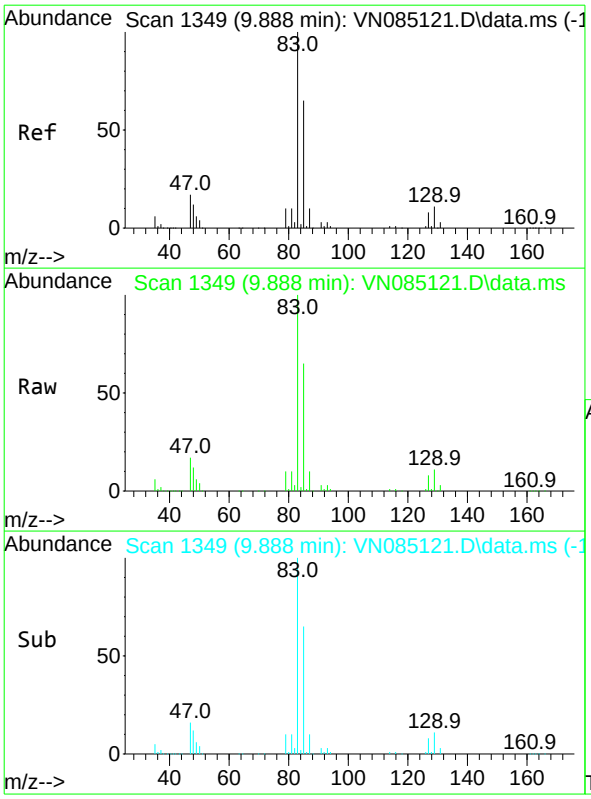


#40
Dibromomethane
Concen: 149.905 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 93 Resp: 218470

Ion	Ratio	Lower	Upper
93	100		
95	81.5	0.0	169.4
174	94.5	0.0	189.8

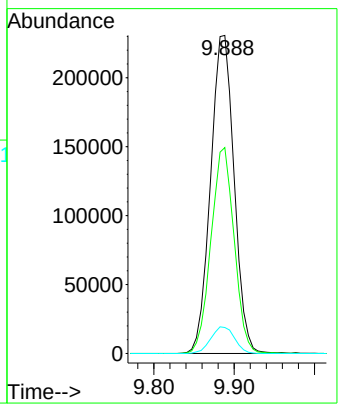




#41
Bromodichloromethane
Concen: 150.750 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 83 Resp: 469670

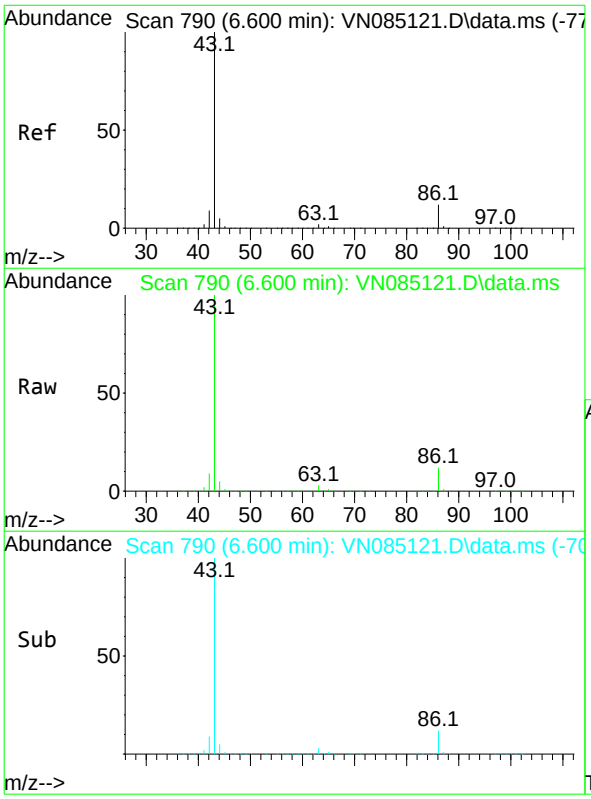
Ion	Ratio	Lower	Upper
83	100		
85	64.7	54.6	81.8
127	8.2	7.0	10.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

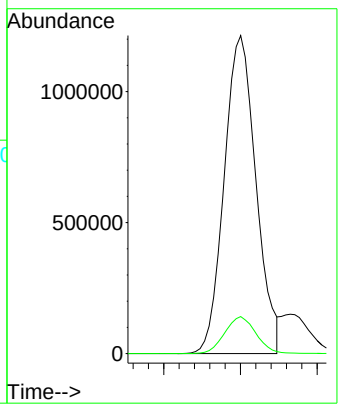
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

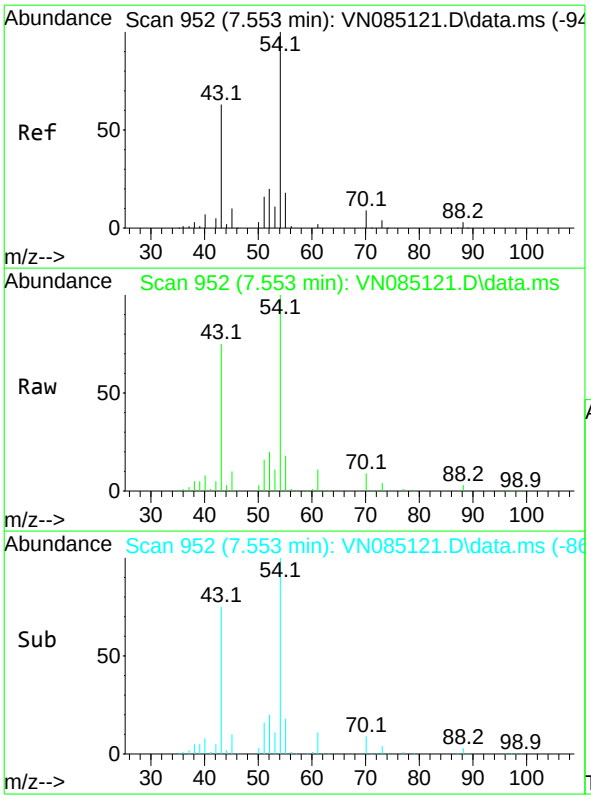


#42
Vinyl Acetate
Concen: 814.821 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 43 Resp: 3493830

Ion	Ratio	Lower	Upper
43	100		
86	11.5	9.2	13.8





#43
Ethyl Acetate
Concen: 156.937 ug/l
RT: 7.553 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

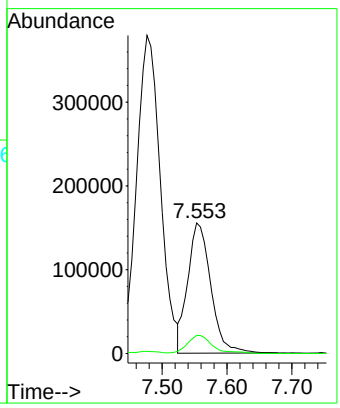
Tgt Ion: 43 Resp: 382630

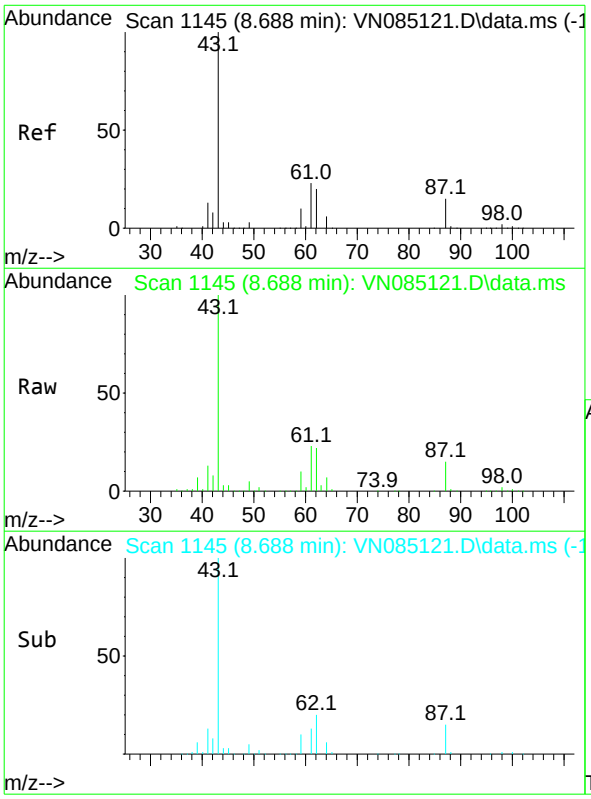
Ion	Ratio	Lower	Upper
43	100		
45	14.9	13.3	19.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

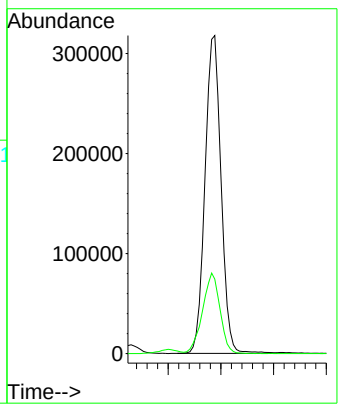


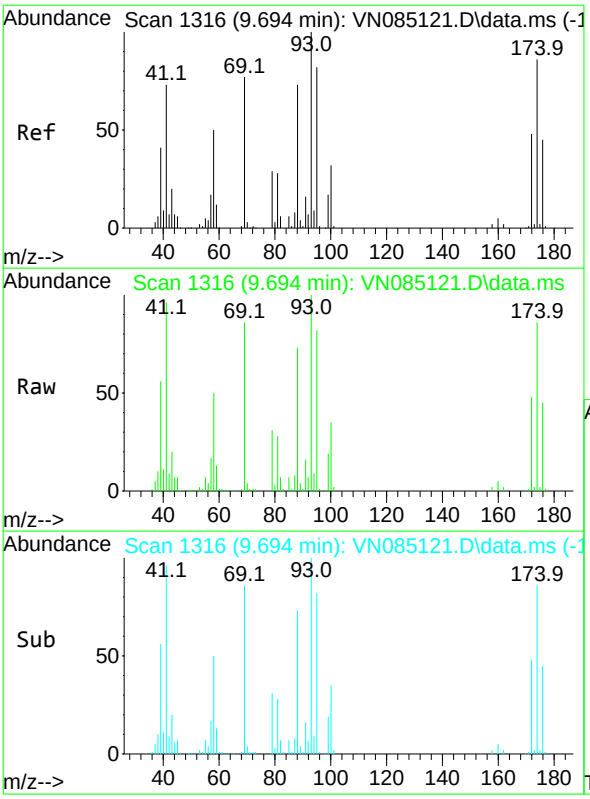


#44
Isopropyl Acetate
Concen: 158.696 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 43 Resp: 672392

Ion	Ratio	Lower	Upper
43	100		
61	27.5	21.5	32.3

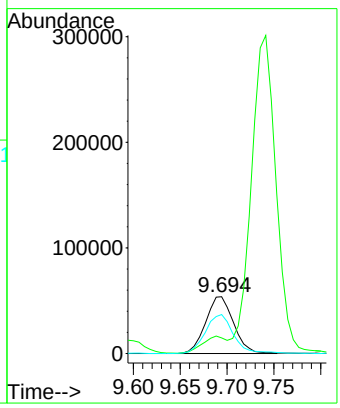




#45
1,4-Dioxane
Concen: 3147.777 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 88 Resp: 111218

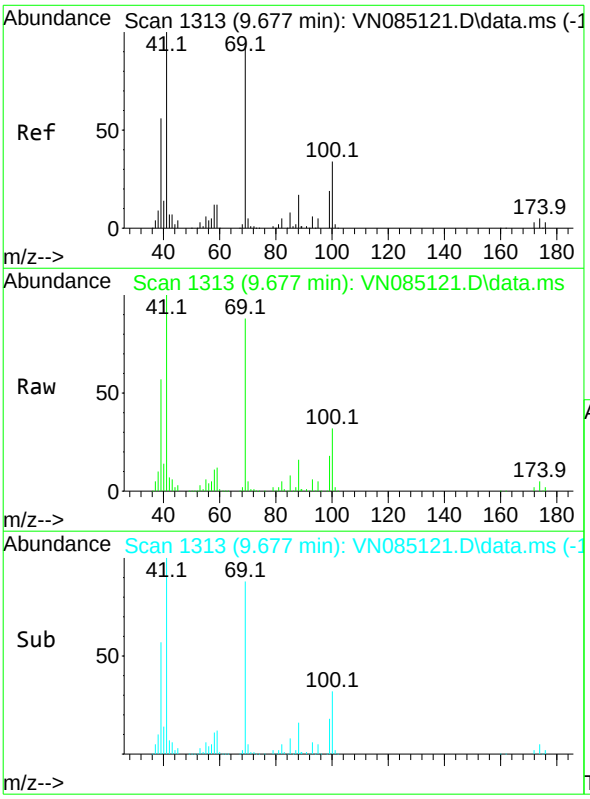
Ion	Ratio	Lower	Upper
88	100		
43	25.9	21.7	32.5
58	69.4	52.6	79.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

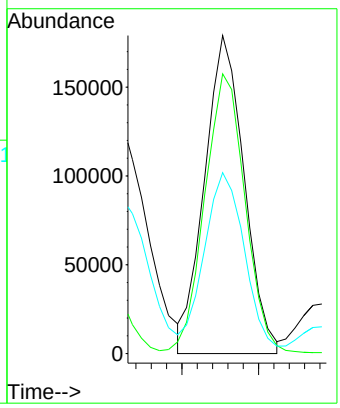
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

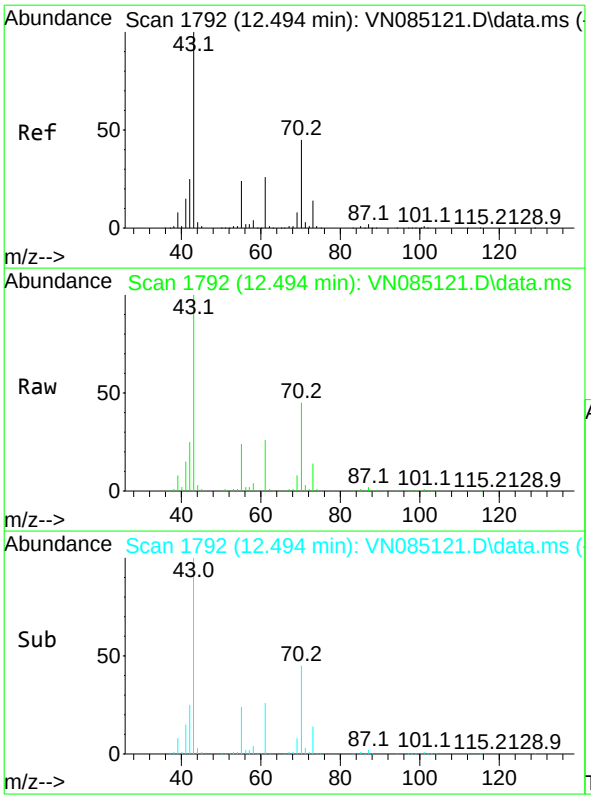


#46
Methyl methacrylate
Concen: 165.471 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 41 Resp: 320862

Ion	Ratio	Lower	Upper
41	100		
69	88.7	46.7	140.0
39	56.7	28.5	85.5

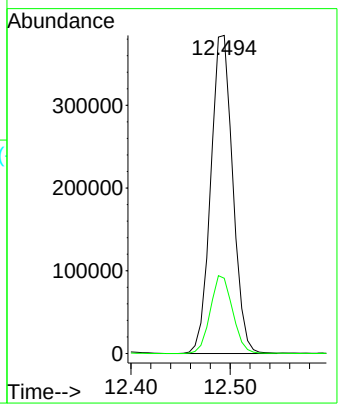




#47
n-amyl Acetate
Concen: 166.246 ug/l
RT: 12.494 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 43 Resp: 592642

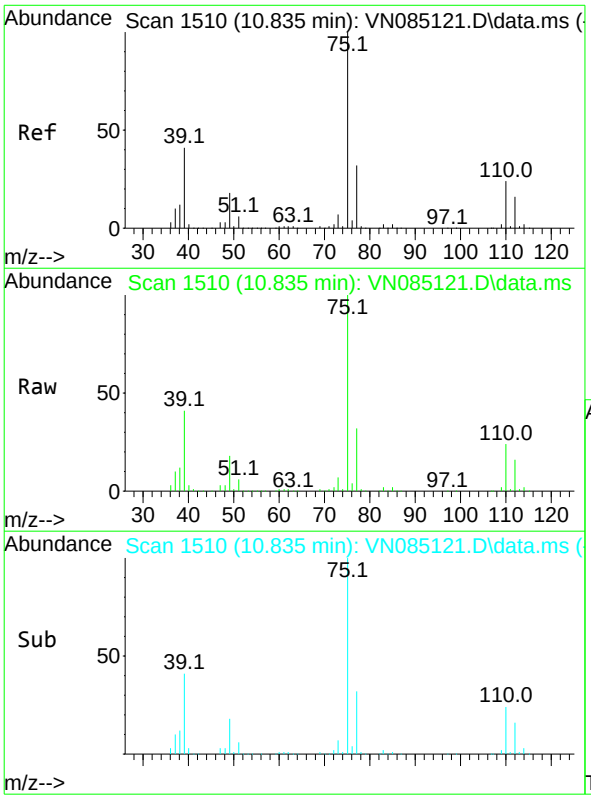
Ion	Ratio	Lower	Upper
43	100		
55	24.8	23.3	34.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

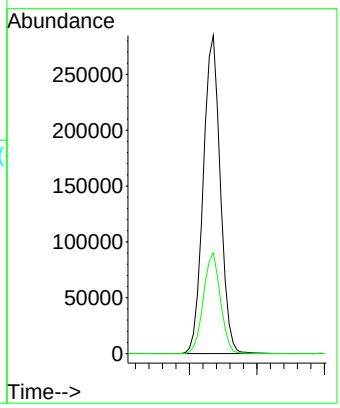
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

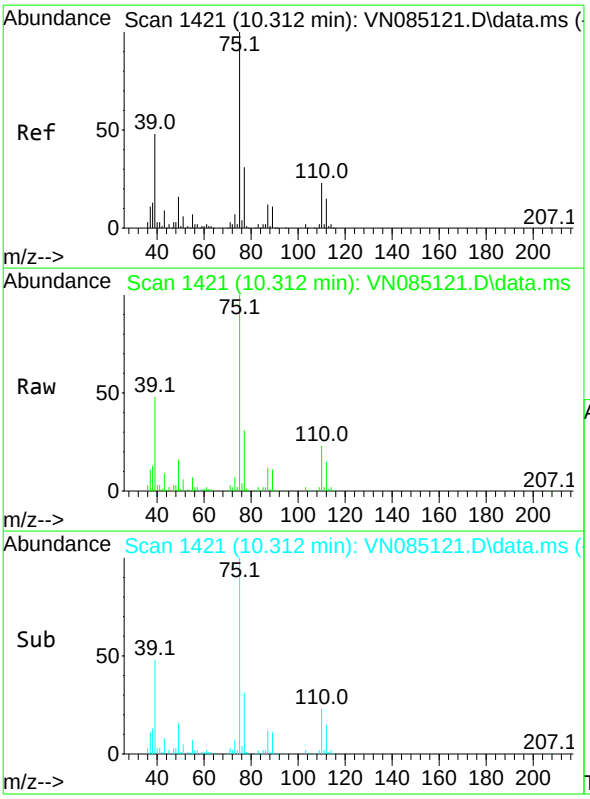


#48
t-1,3-Dichloropropene
Concen: 163.202 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 75 Resp: 499133

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.5	38.3

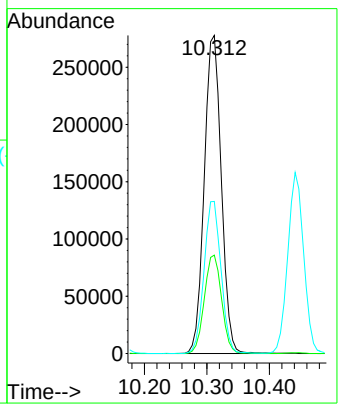




#49
cis-1,3-Dichloropropene
Concen: 157.986 ug/l
RT: 10.312 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 75 Resp: 525997

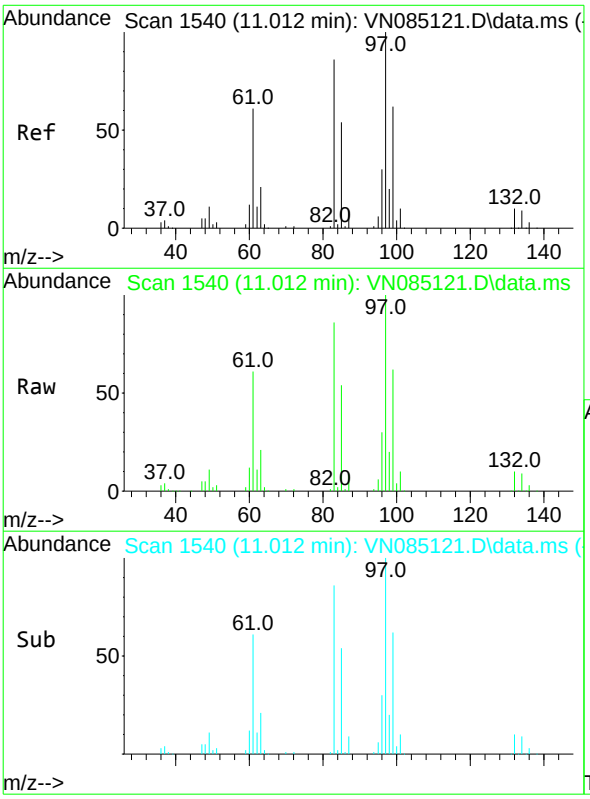
Ion	Ratio	Lower	Upper
75	100		
77	30.9	23.8	35.6
39	47.7	37.3	55.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

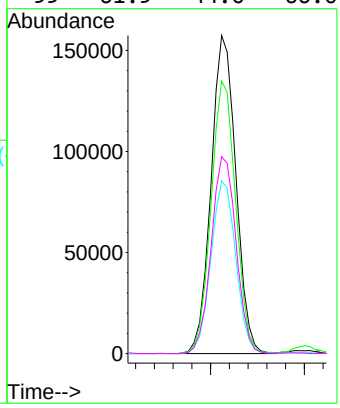
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

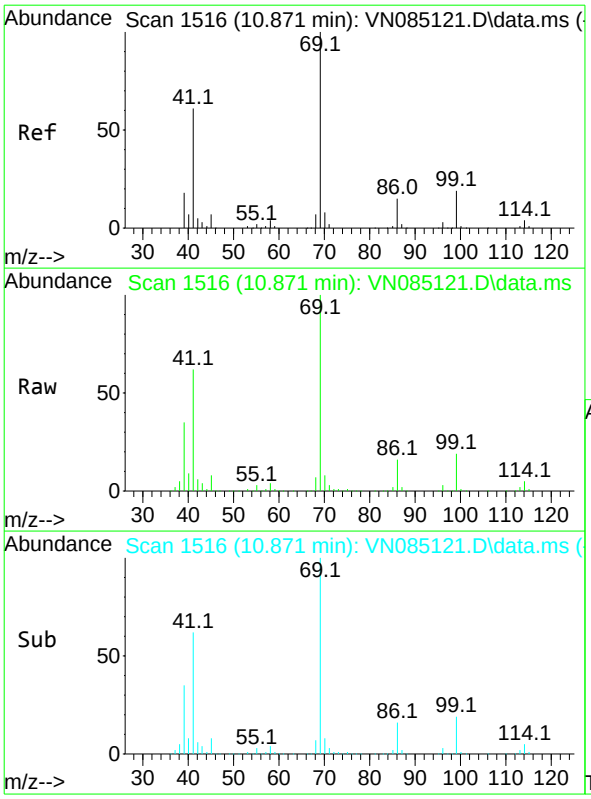


#50
1,1,2-Trichloroethane
Concen: 147.159 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 97 Resp: 289001

Ion	Ratio	Lower	Upper
97	100		
83	85.7	65.8	98.8
85	54.3	40.8	61.2
99	61.9	44.0	66.0

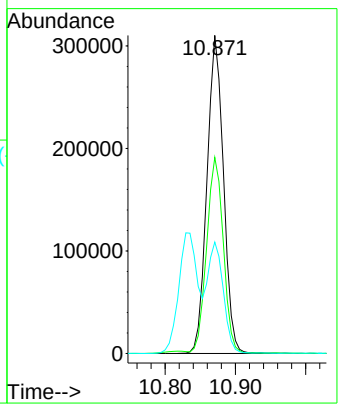




#51
Ethyl methacrylate
Concen: 169.495 ug/l
RT: 10.871 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 69 Resp: 506274

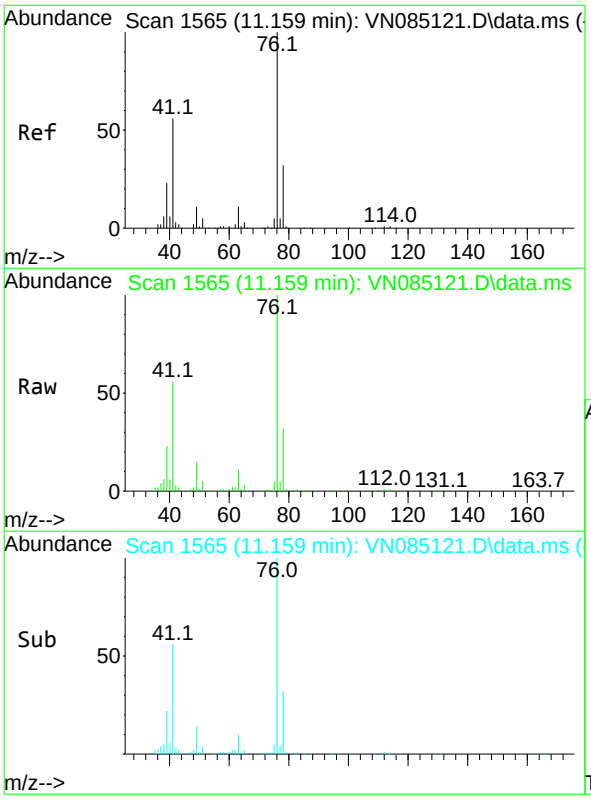
Ion	Ratio	Lower	Upper
69	100		
41	61.4	32.1	96.3
39	35.0	18.8	56.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

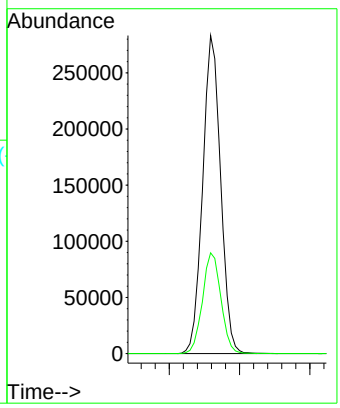
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

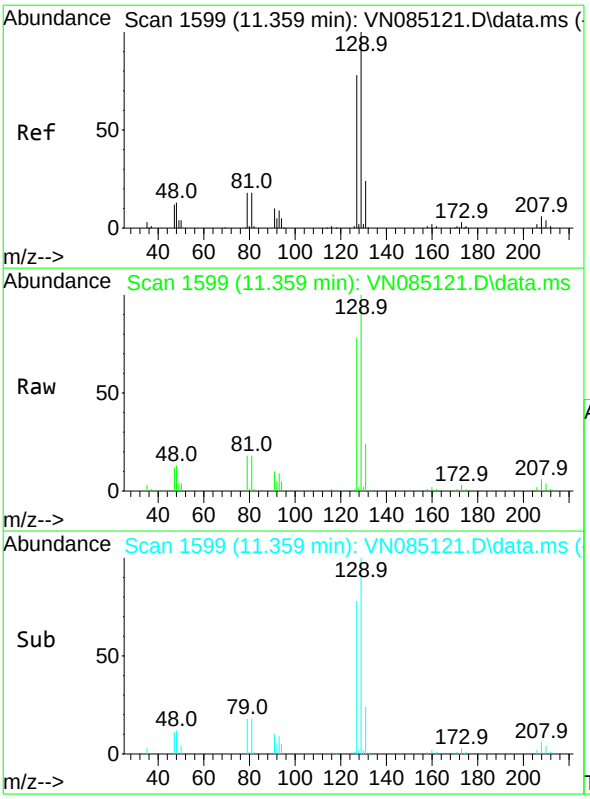


#52
1,3-Dichloropropane
Concen: 152.638 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 76 Resp: 501665

Ion	Ratio	Lower	Upper
76	100		
78	32.5	0.0	65.6

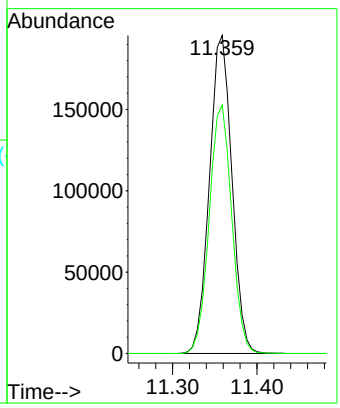




#53
Dibromochloromethane
Concen: 151.395 ug/l
RT: 11.359 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:129 Resp: 362326

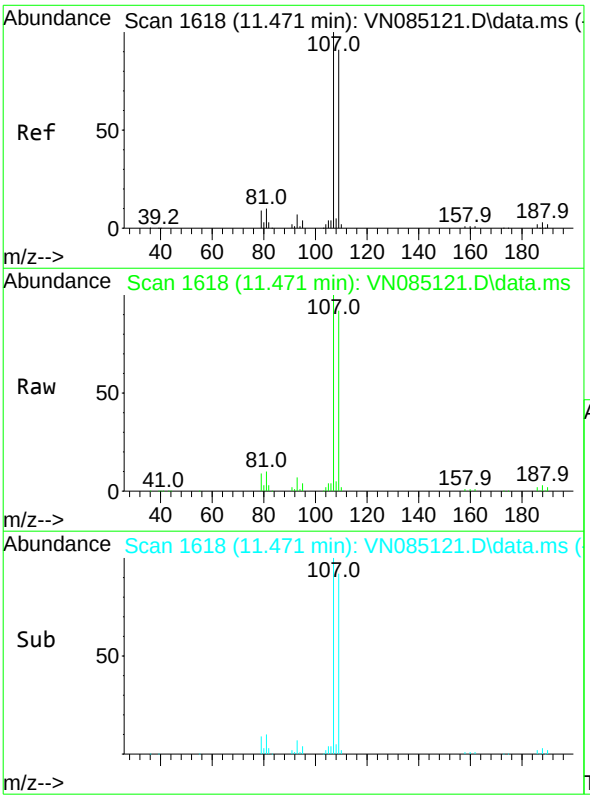
Ion	Ratio	Lower	Upper
129	100		
127	78.1	37.3	111.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

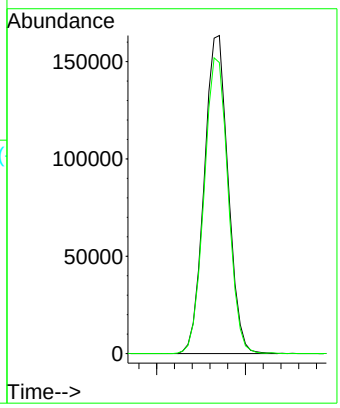
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

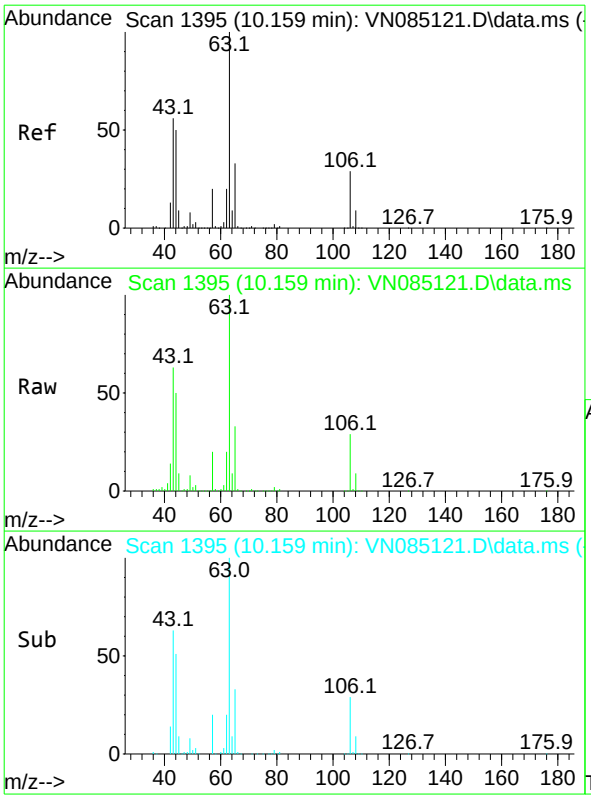


#54
1,2-Dibromoethane
Concen: 154.261 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:107 Resp: 305232

Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.2	112.8

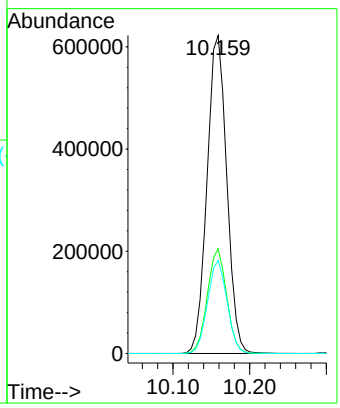




#55
2-Chloroethyl vinyl ether
Concen: 801.795 ug/l
RT: 10.159 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 63 Resp: 1112538

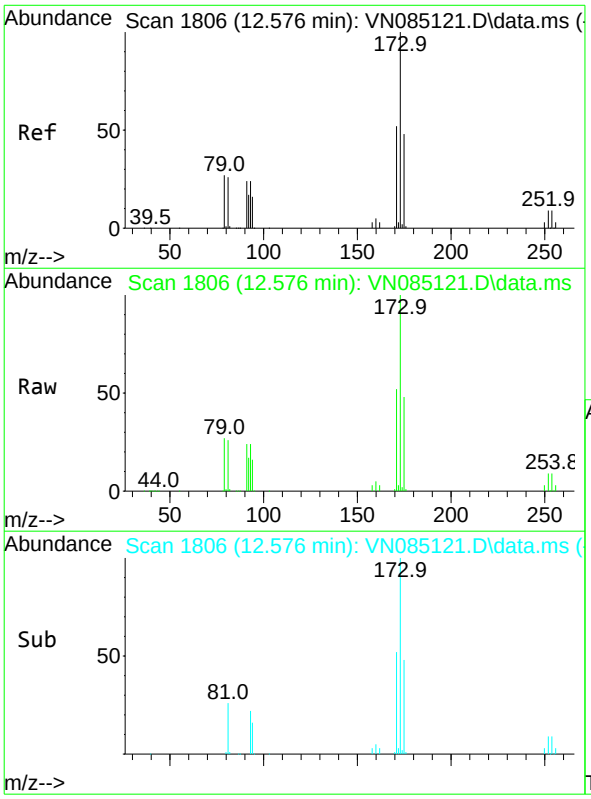
Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.9	38.9
106	28.9	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

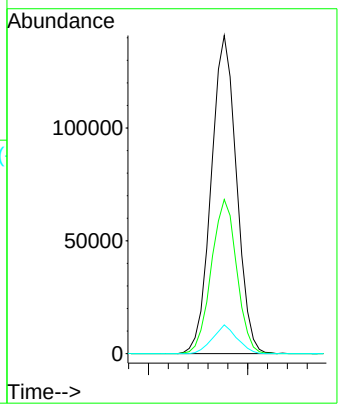
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

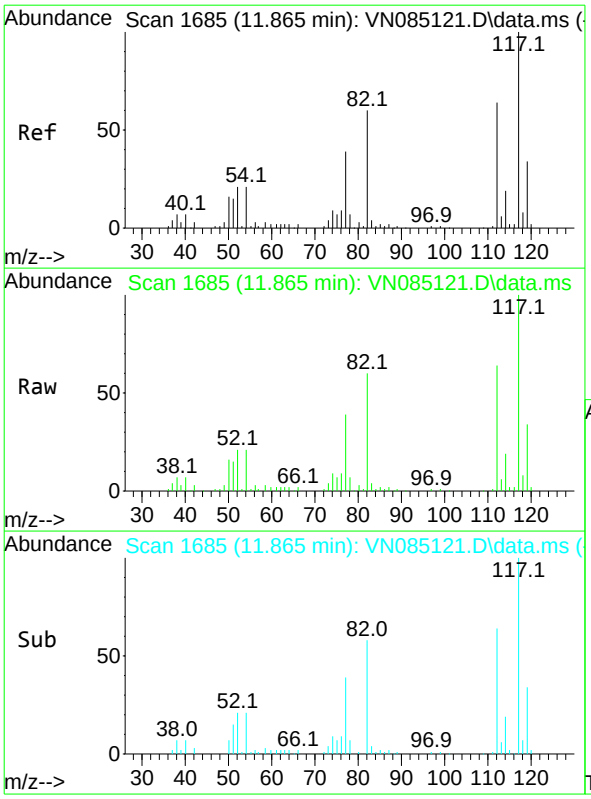


#56
Bromoform
Concen: 155.551 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:173 Resp: 249601

Ion	Ratio	Lower	Upper
173	100		
175	48.6	40.2	60.2
254	8.7	6.2	9.4

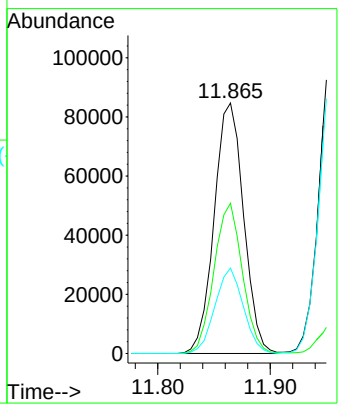




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:117 Resp: 154258

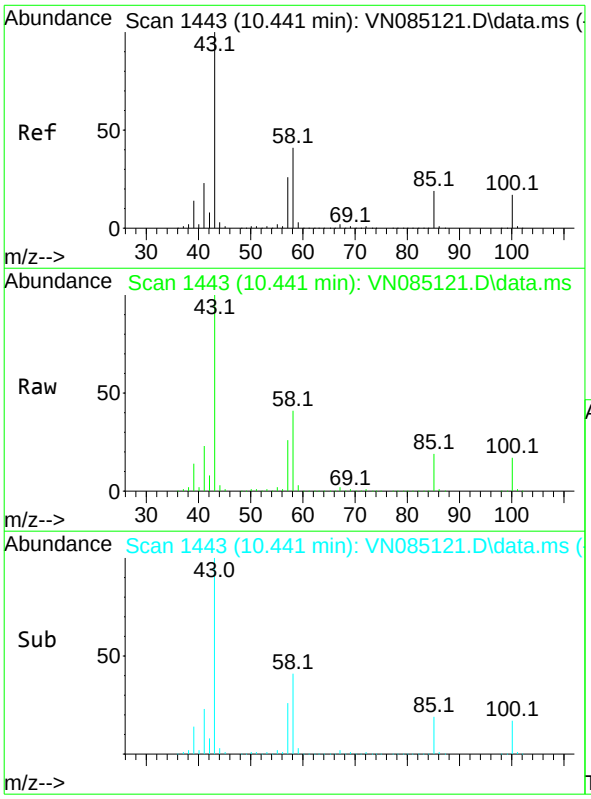
Ion	Ratio	Lower	Upper
117	100		
82	57.8	44.2	66.4
119	32.7	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

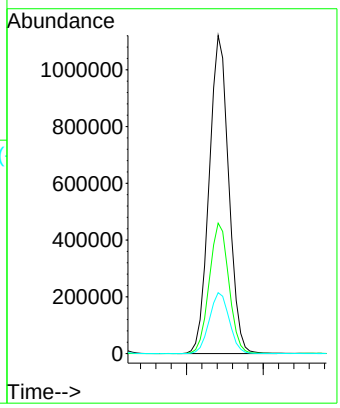
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

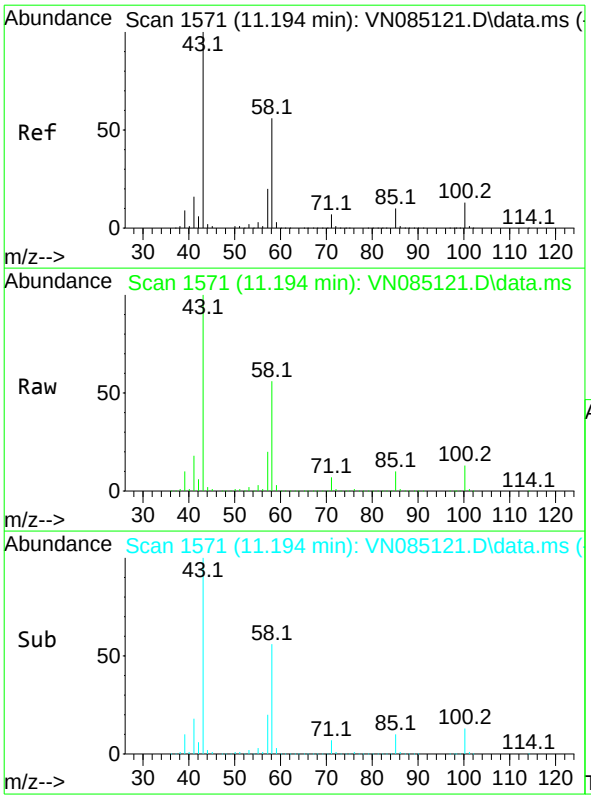


#58
4-Methyl-2-Pentanone
Concen: 789.691 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 43 Resp: 1988082

Ion	Ratio	Lower	Upper
43	100		
58	41.2	31.6	47.4
85	19.5	15.0	22.6

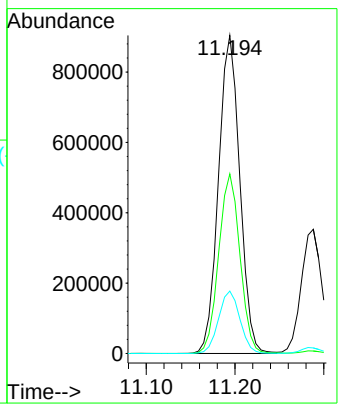




#59
2-Hexanone
Concen: 790.966 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 43 Resp: 1508817

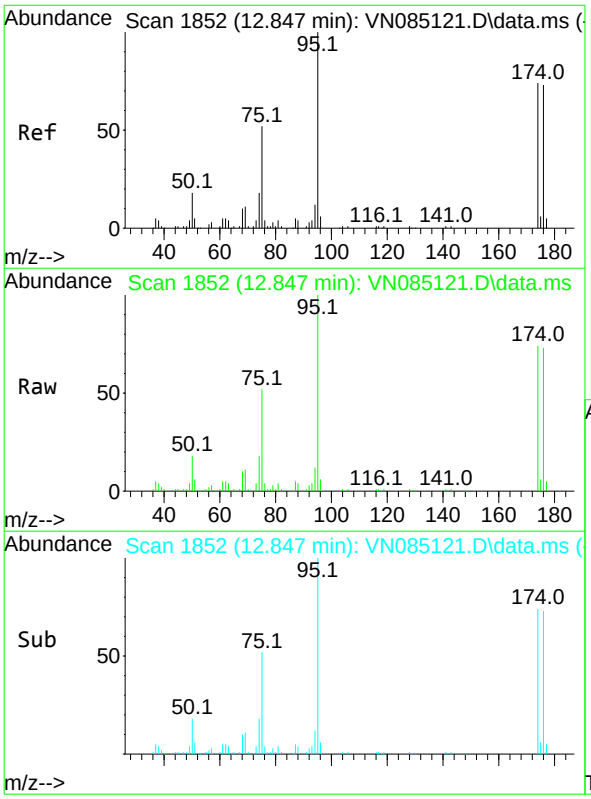
Ion	Ratio	Lower	Upper
43	100		
58	56.3	43.6	65.4
57	19.7	15.4	23.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

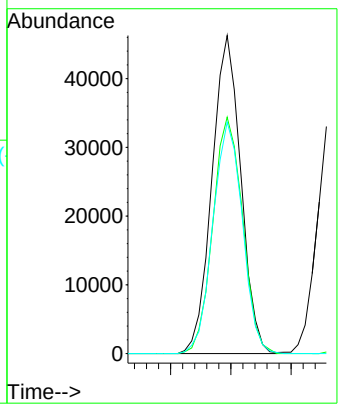
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

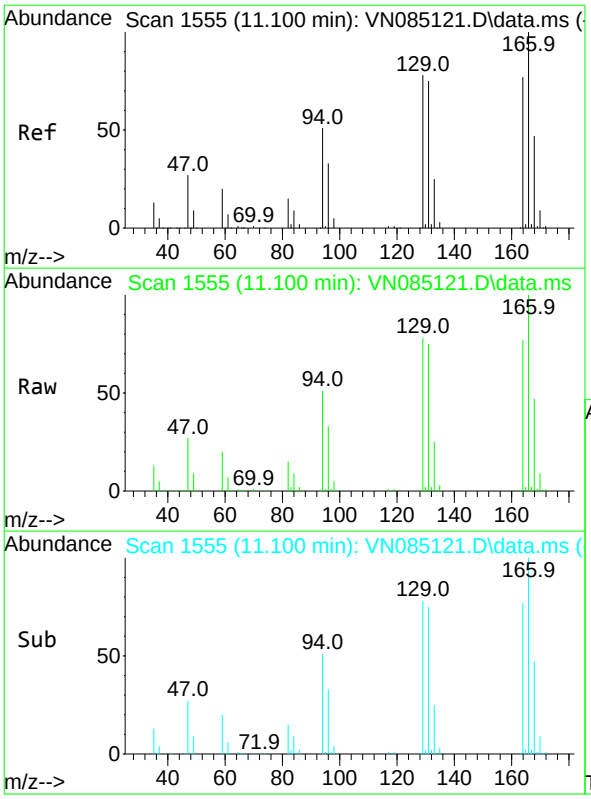


#60
4-Bromofluorobenzene
Concen: 30.183 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 95 Resp: 77038

Ion	Ratio	Lower	Upper
95	100		
174	76.4	60.3	90.5
176	74.3	57.4	86.0

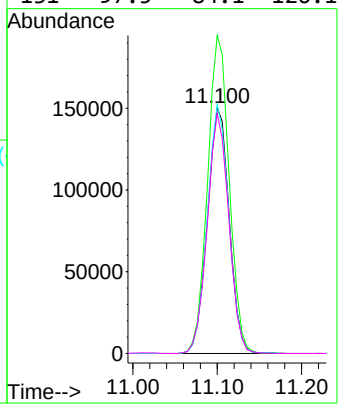




#61
Tetrachloroethene
Concen: 144.976 ug/l
RT: 11.100 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:164 Resp: 270825

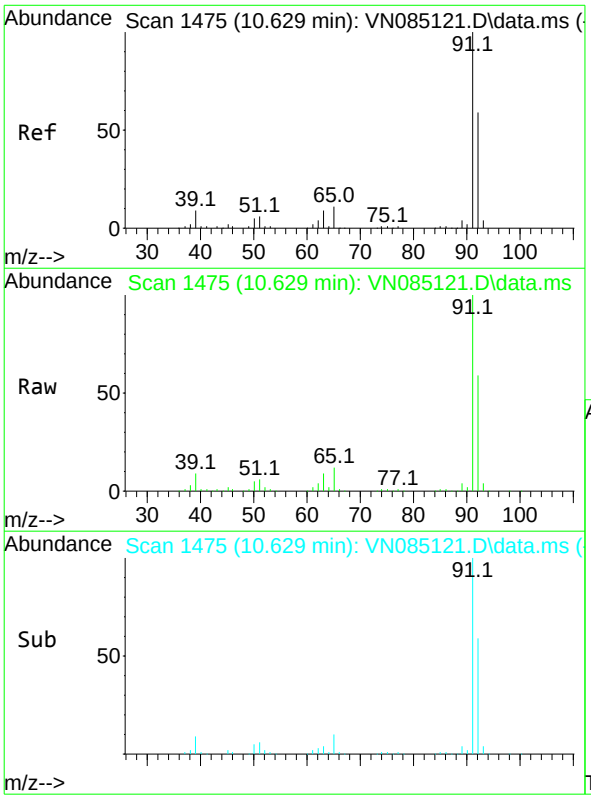
Ion	Ratio	Lower	Upper
164	100		
166	129.3	103.8	155.8
129	101.3	84.2	126.4
131	97.5	84.1	126.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

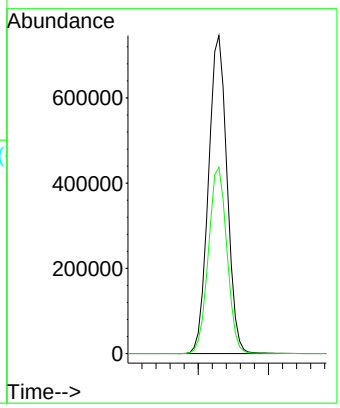
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

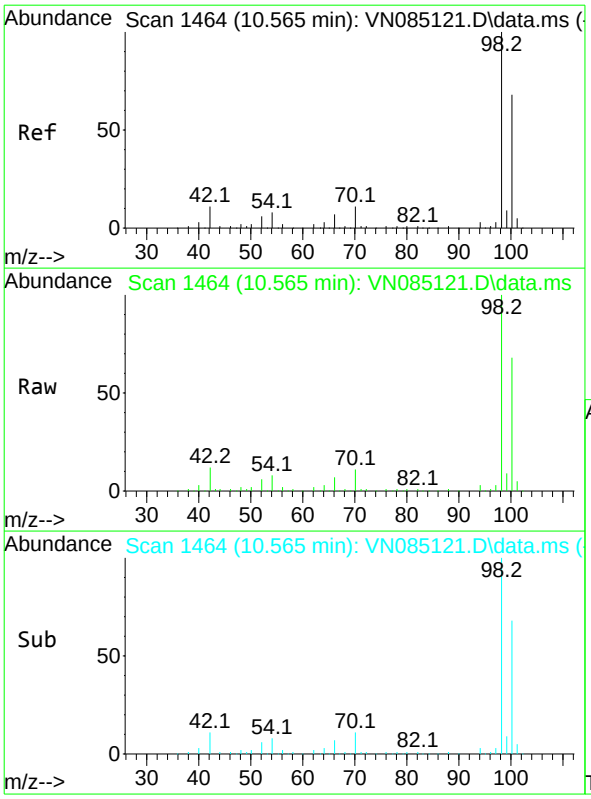


#62
Toluene
Concen: 152.311 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 91 Resp: 1370241

Ion	Ratio	Lower	Upper
91	100		
92	58.5	46.5	69.7

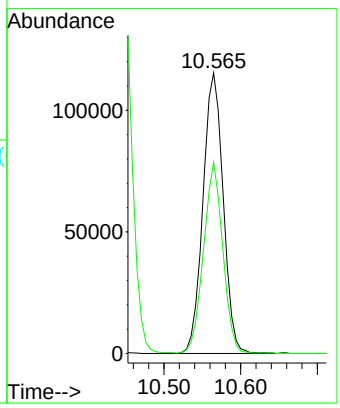




#63
Toluene-d8
Concen: 29.150 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 98 Resp: 210929

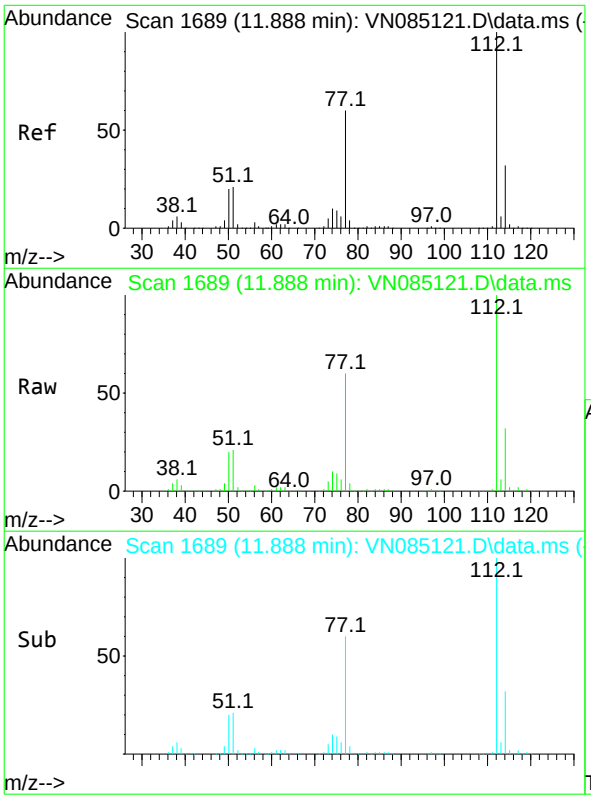
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.0	78.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

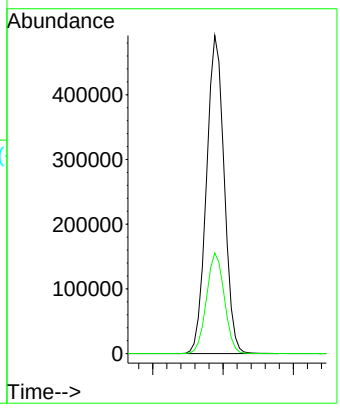
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

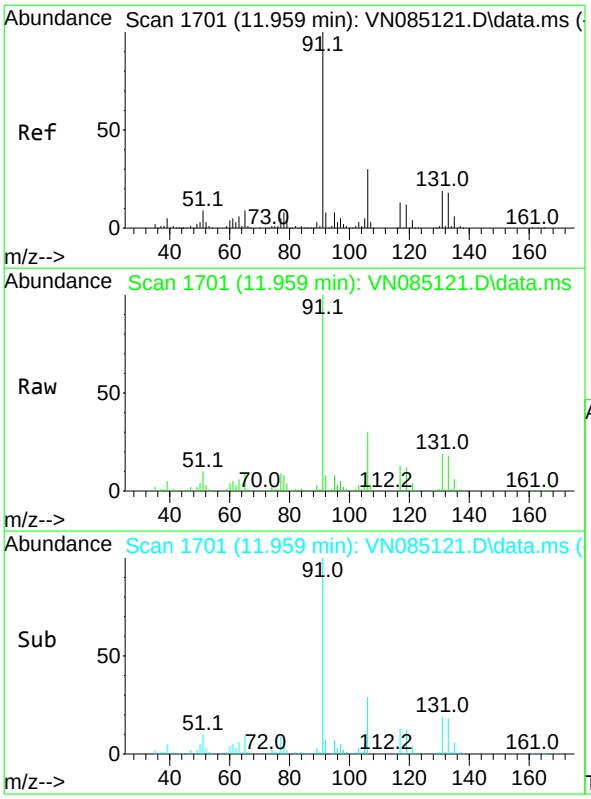


#64
Chlorobenzene
Concen: 154.562 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:112 Resp: 858494

Ion	Ratio	Lower	Upper
112	100		
114	31.6	26.0	39.0

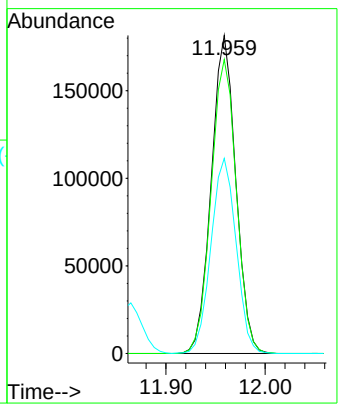




#65
1,1,1,2-Tetrachloroethane
Concen: 150.134 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:131 Resp: 311301

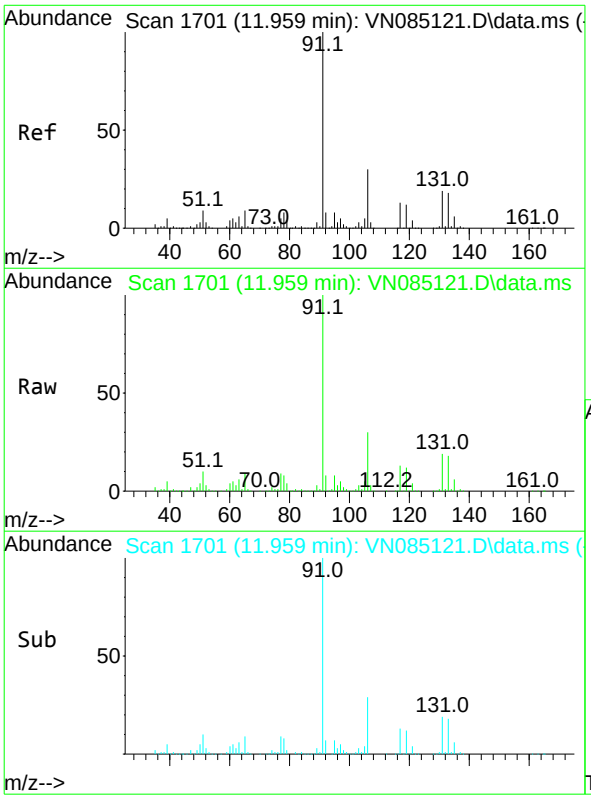
Ion	Ratio	Lower	Upper
131	100		
133	95.3	0.0	194.0
119	63.1	0.0	131.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

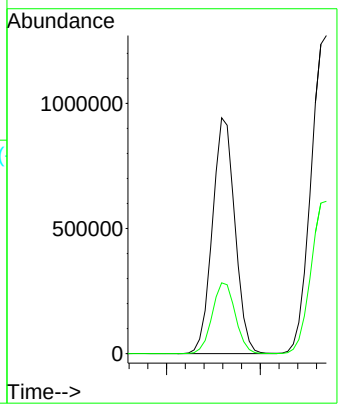
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

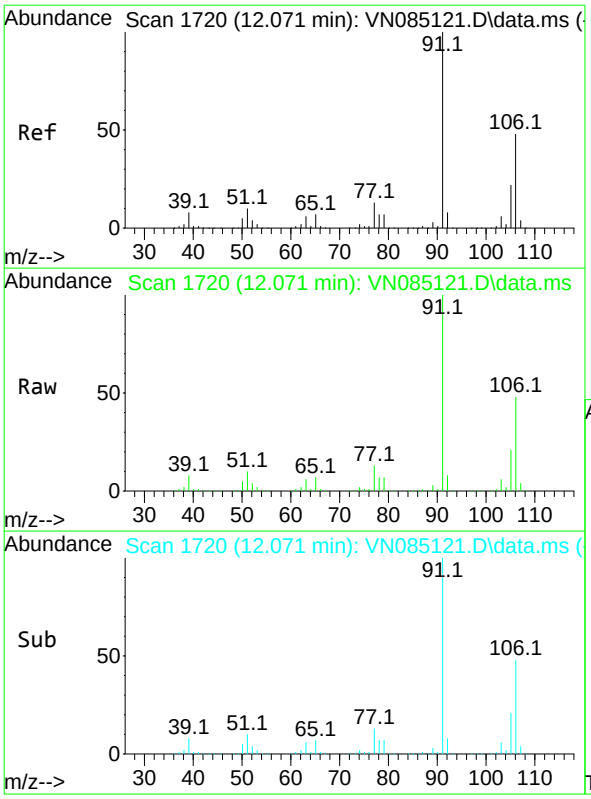


#66
Ethyl Benzene
Concen: 164.874 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 91 Resp: 1573924

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.1	34.7

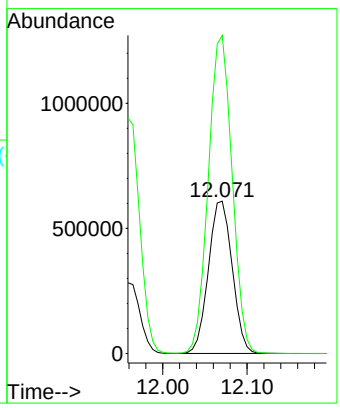




#67
m/p-Xylenes
Concen: 325.683 ug/l
RT: 12.071 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:106 Resp: 1195807

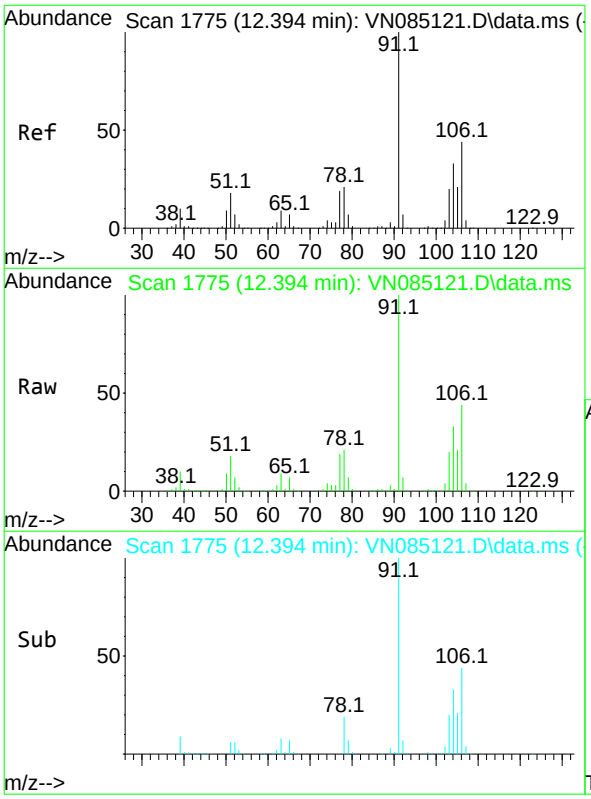
Ion	Ratio	Lower	Upper
106	100		
91	208.3	165.0	247.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

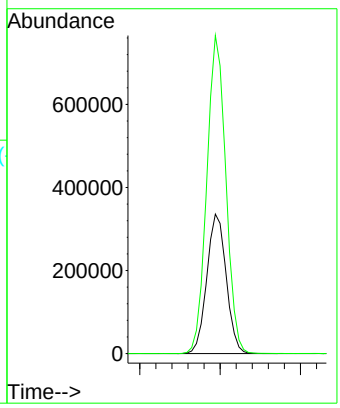
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

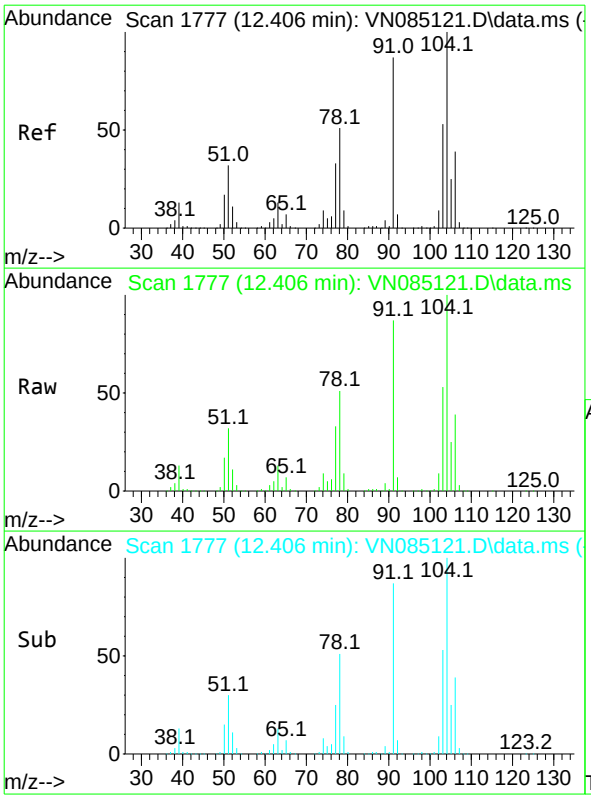


#68
o-Xylene
Concen: 163.091 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:106 Resp: 562377

Ion	Ratio	Lower	Upper
106	100		
91	224.1	112.1	336.4

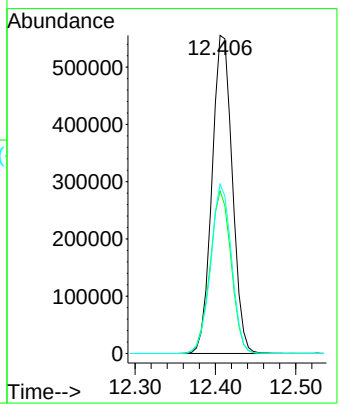




#69
Styrene
Concen: 166.883 ug/l
RT: 12.406 min Scan# 17
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:104 Resp: 976478

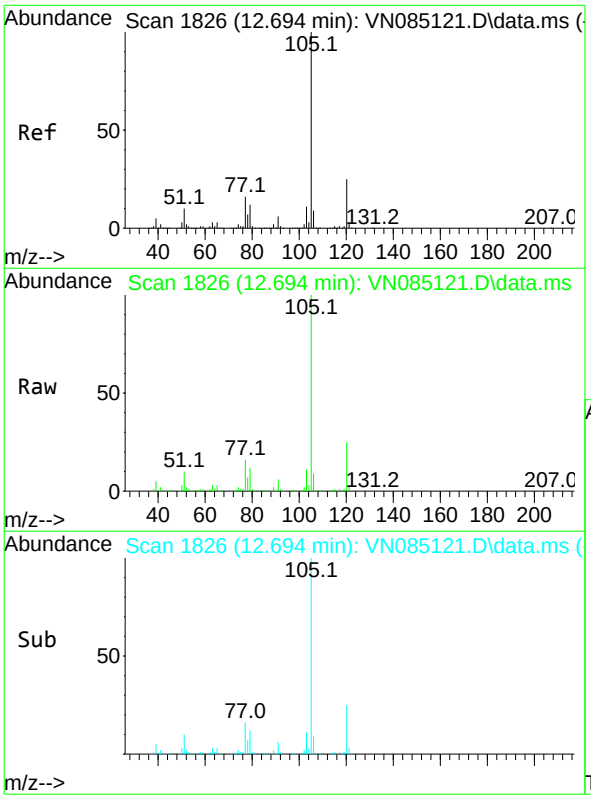
Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.3	63.5
103	54.4	44.4	66.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

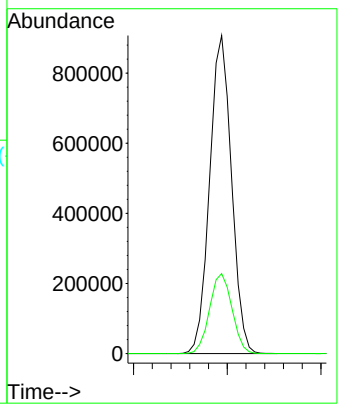
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

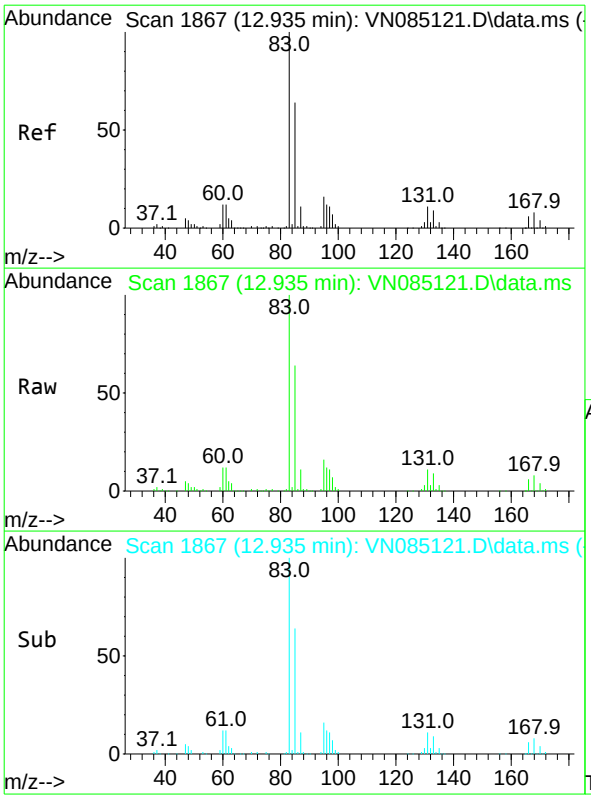


#70
Isopropylbenzene
Concen: 165.057 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:105 Resp: 1467994

Ion	Ratio	Lower	Upper
105	100		
120	25.8	18.3	33.9

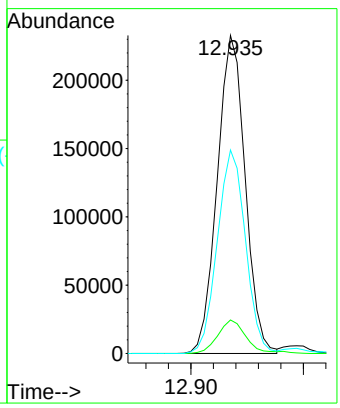




#71
1,1,2,2-Tetrachloroethane
Concen: 148.393 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 83 Resp: 401707

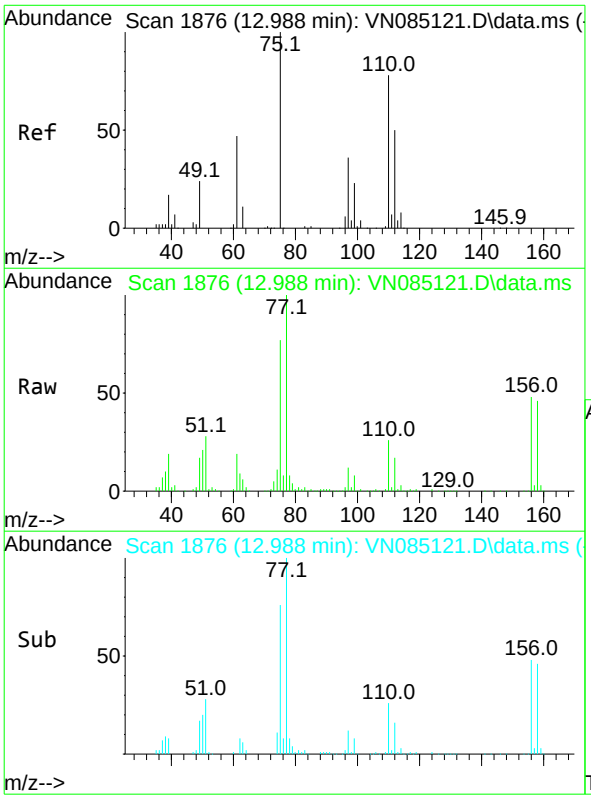
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.3
85	64.4	31.1	93.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

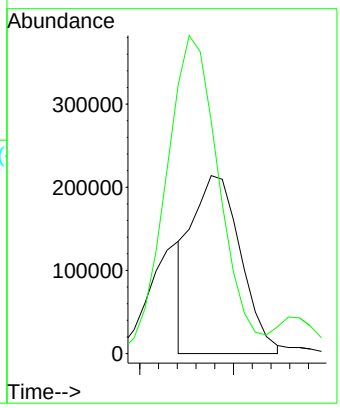
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

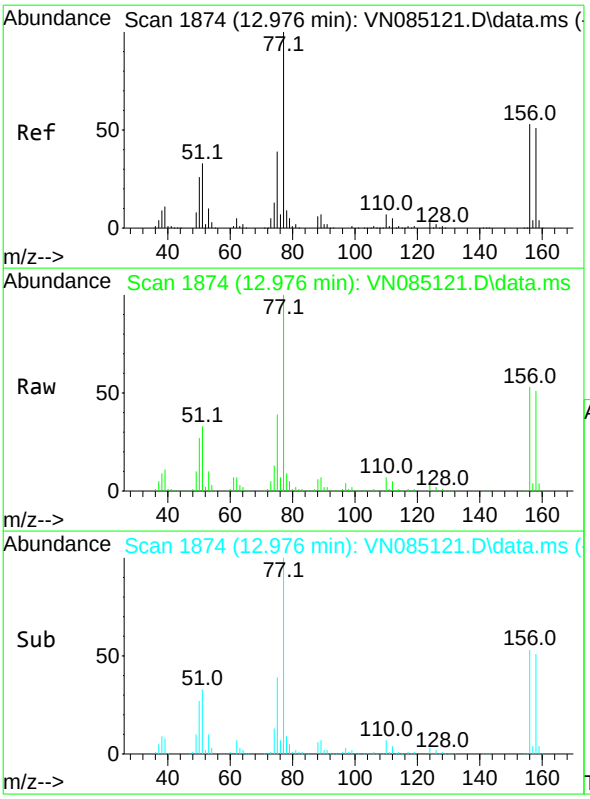


#72
1,2,3-Trichloropropane
Concen: 144.654 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 75 Resp: 386819

Ion	Ratio	Lower	Upper
75	100		
77	196.0	0.0	339.0

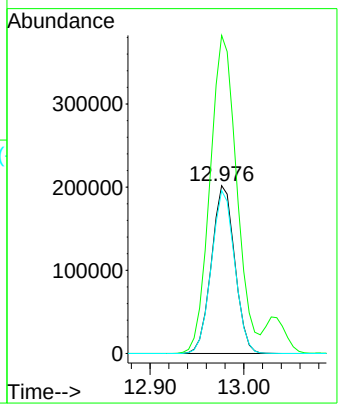




#73
Bromobenzene
Concen: 156.185 ug/l
RT: 12.976 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:156 Resp: 347939

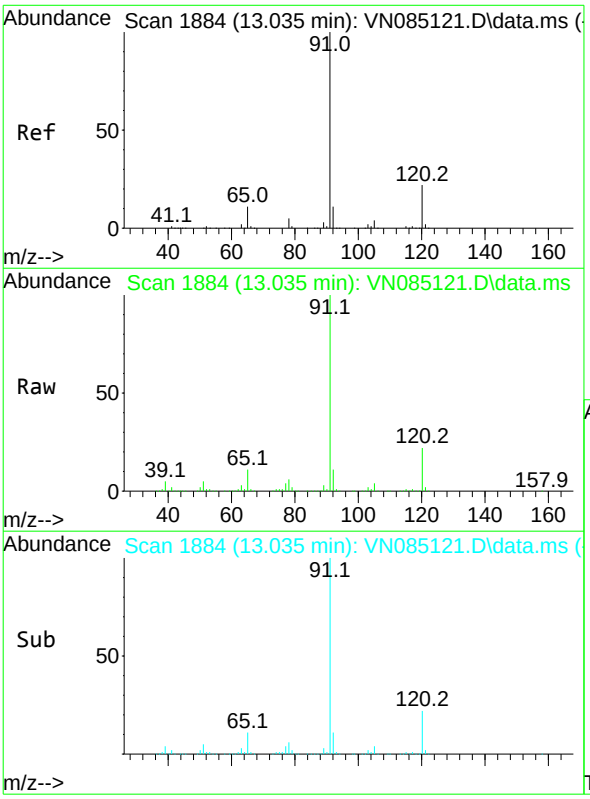
Ion	Ratio	Lower	Upper
156	100		
77	217.9	0.0	430.4
158	97.0	0.0	195.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

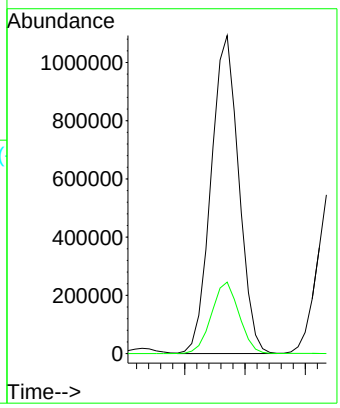
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

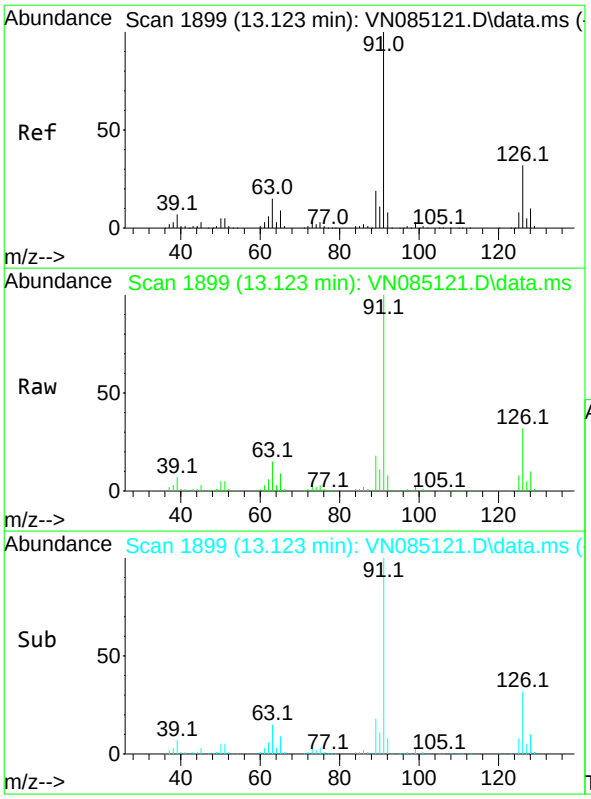


#74
n-propylbenzene
Concen: 163.317 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 91 Resp: 1746230

Ion	Ratio	Lower	Upper
91	100		
120	22.3	0.0	44.0

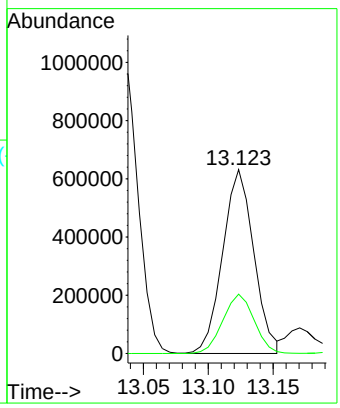




#75
2-Chlorotoluene
Concen: 159.945 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 91 Resp: 1057392

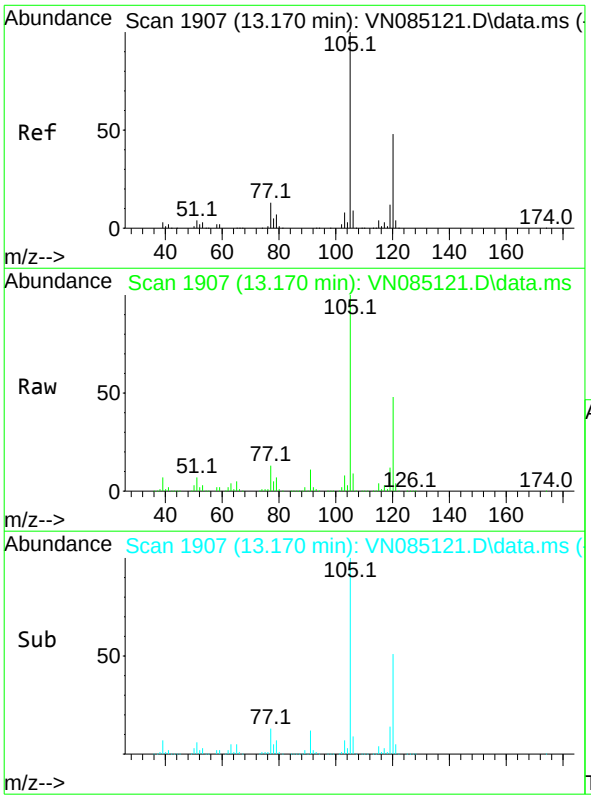
Ion	Ratio	Lower	Upper
91	100		
126	32.3	0.0	64.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

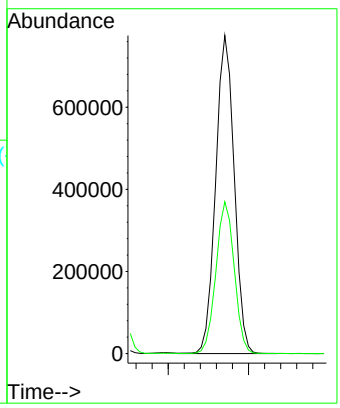
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

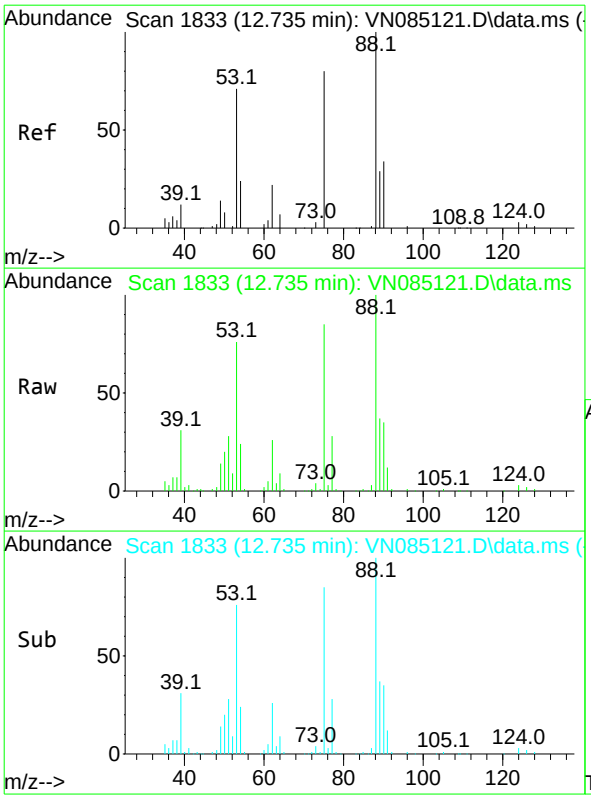


#76
1,3,5-Trimethylbenzene
Concen: 162.904 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:105 Resp: 1241282

Ion	Ratio	Lower	Upper
105	100		
120	47.2	0.0	94.4

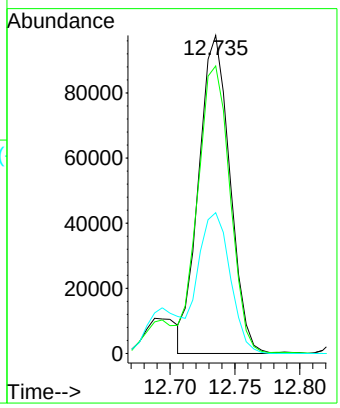




#77
t-1,4-Dichloro-2-butene
Concen: 168.075 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 75 Resp: 163318

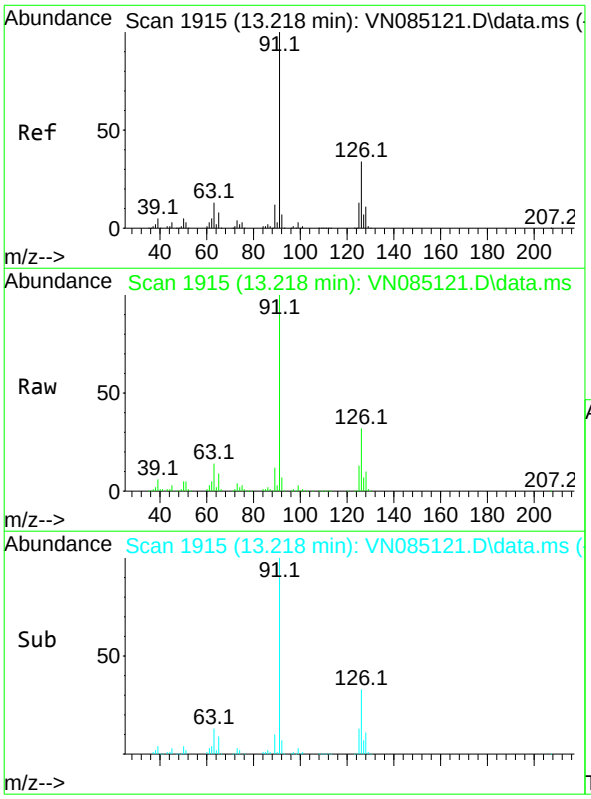
Ion	Ratio	Lower	Upper
75	100		
53	90.2	49.1	147.3
89	44.4	22.9	68.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

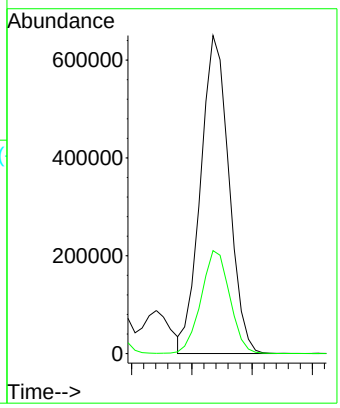
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

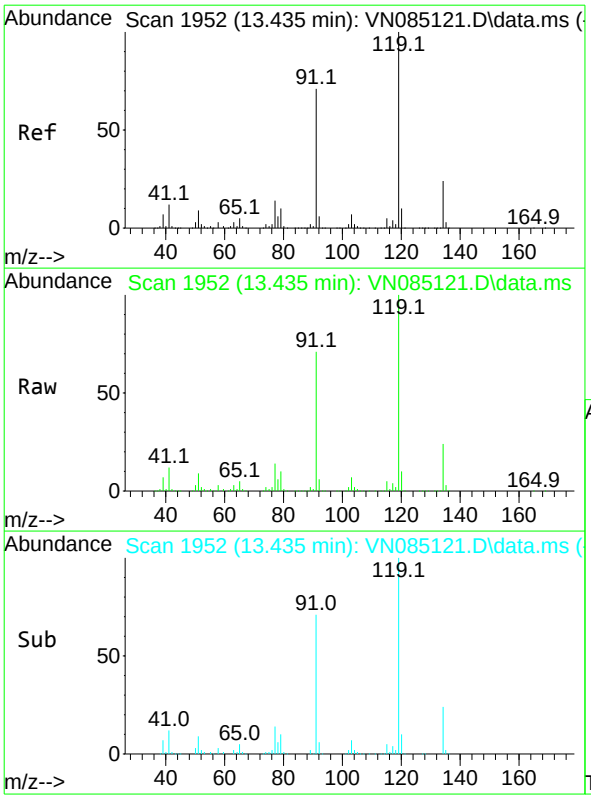


#78
4-Chlorotoluene
Concen: 158.383 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 91 Resp: 1062762

Ion	Ratio	Lower	Upper
91	100		
126	32.7	0.0	64.4

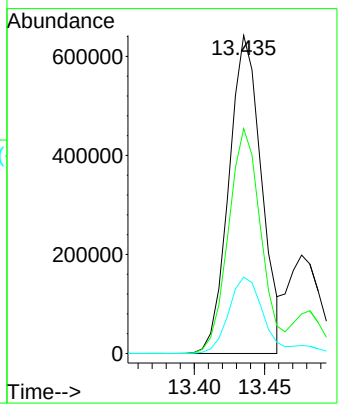




#79
tert-butylbenzene
Concen: 165.137 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:119 Resp: 1033507

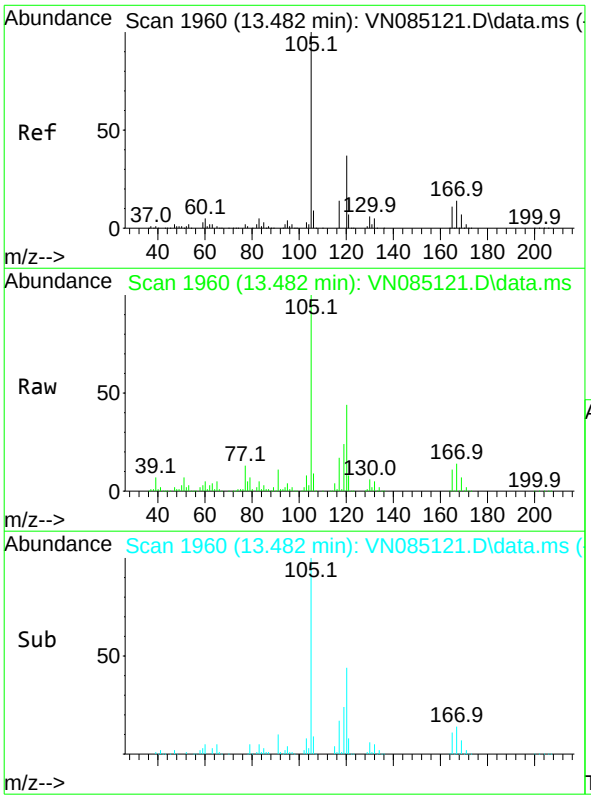
Ion	Ratio	Lower	Upper
119	100		
91	71.2	0.0	139.2
134	24.9	0.0	48.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

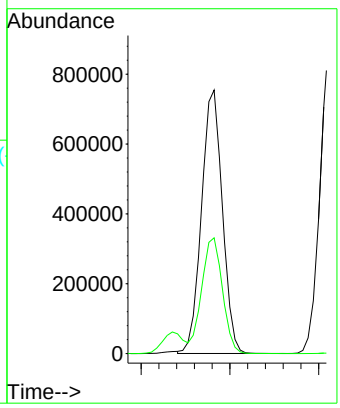
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

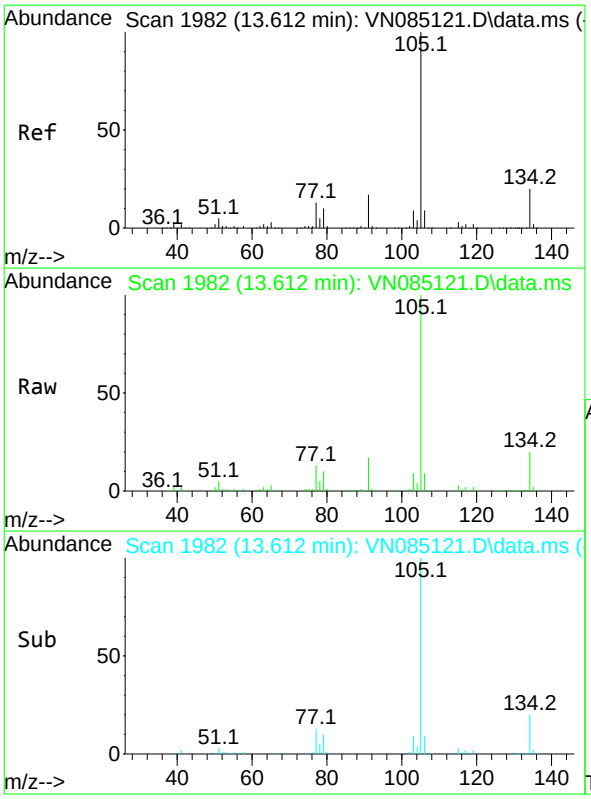


#80
1,2,4-Trimethylbenzene
Concen: 163.500 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:105 Resp: 1230594

Ion	Ratio	Lower	Upper
105	100		
120	43.7	0.0	87.4

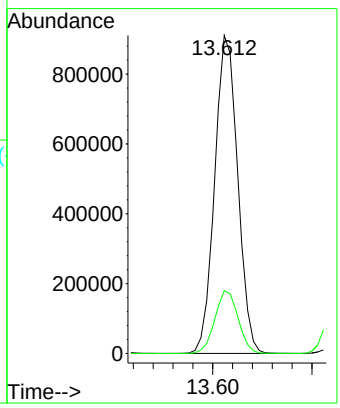




#81
sec-Butylbenzene
Concen: 164.927 ug/l
RT: 13.612 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:105 Resp: 1466428

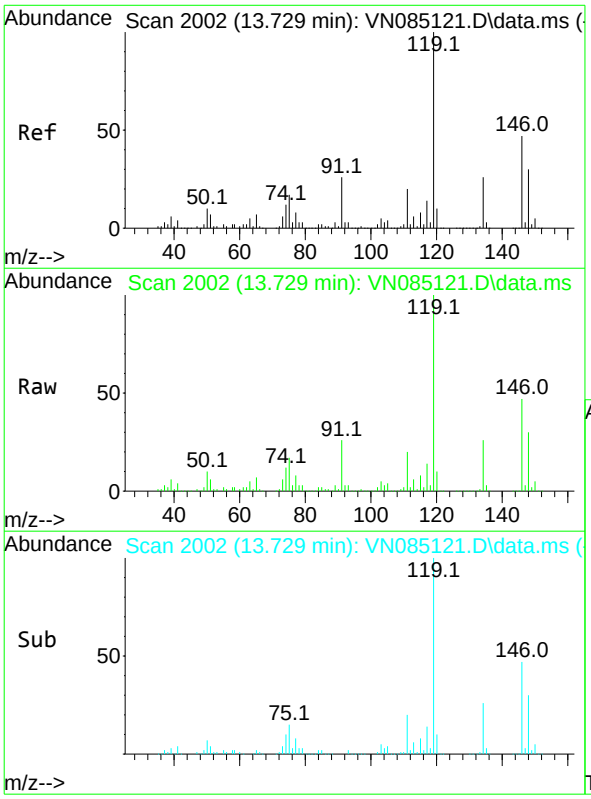
Ion	Ratio	Lower	Upper
105	100		
134	20.0	0.0	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

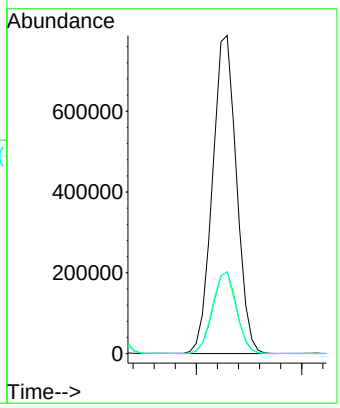
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

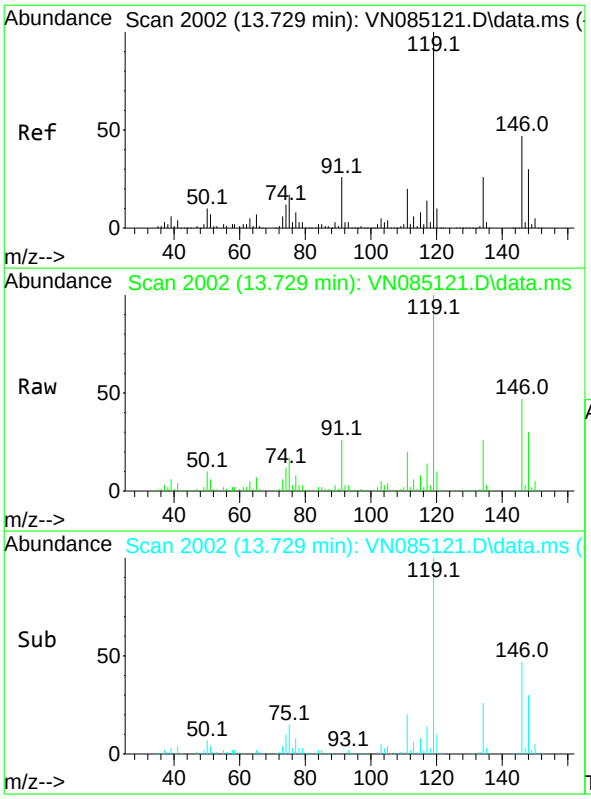


#82
p-Isopropyltoluene
Concen: 169.455 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:119 Resp: 1249133

Ion	Ratio	Lower	Upper
119	100		
134	25.5	0.0	51.6
91	25.5	0.0	50.4

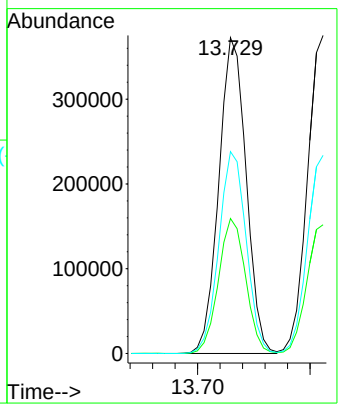




#83
1,3-Dichlorobenzene
Concen: 153.943 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:146 Resp: 629183

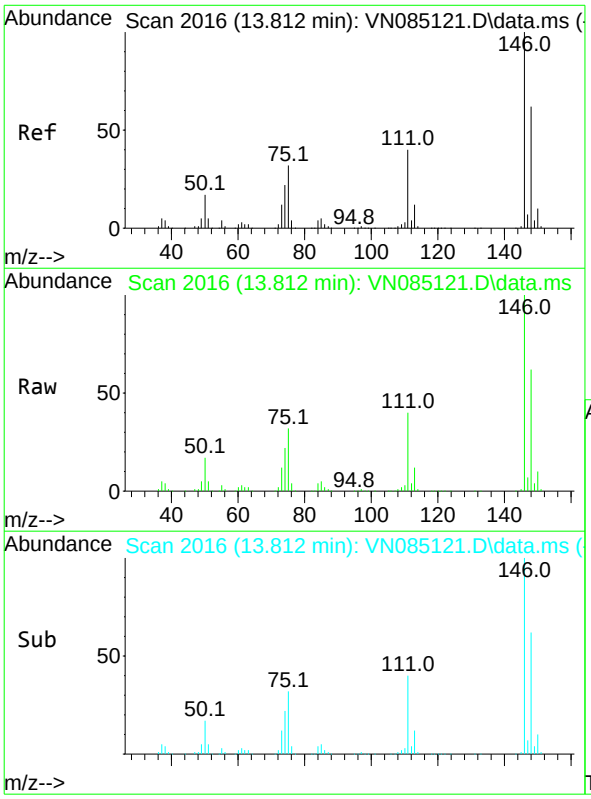
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.1	63.3
148	63.9	31.8	95.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

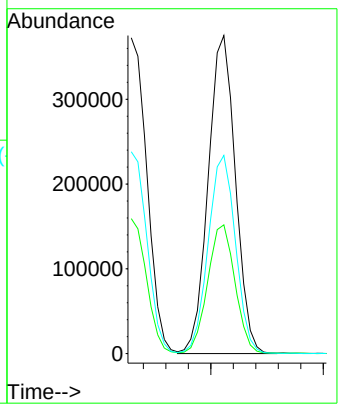
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

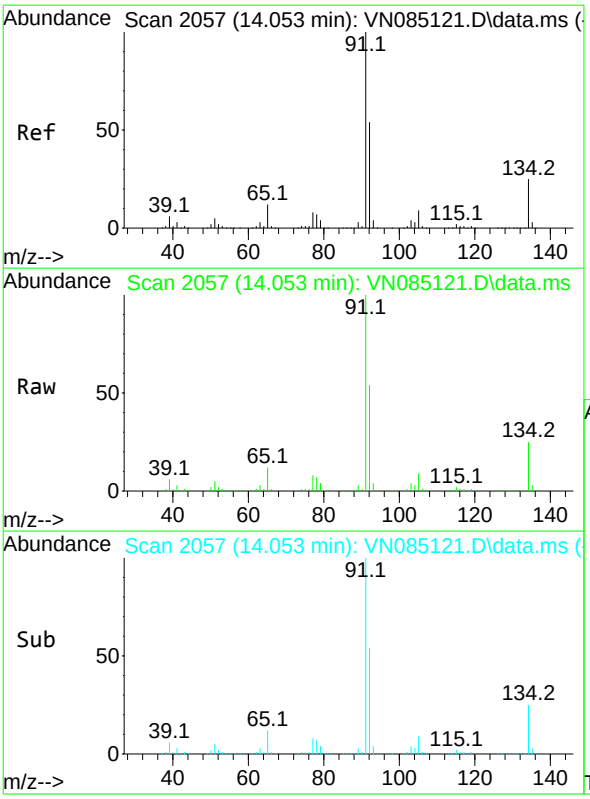


#84
1,4-Dichlorobenzene
Concen: 158.368 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:146 Resp: 630821

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.1	60.3
148	62.6	31.6	94.7

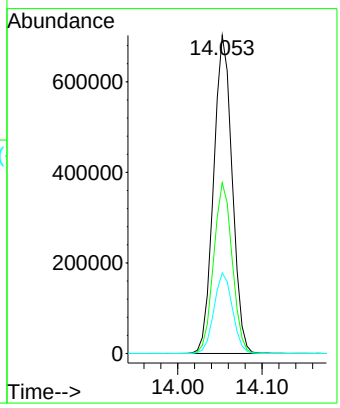




#85
n-Butylbenzene
Concen: 174.069 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 91 Resp: 1076317

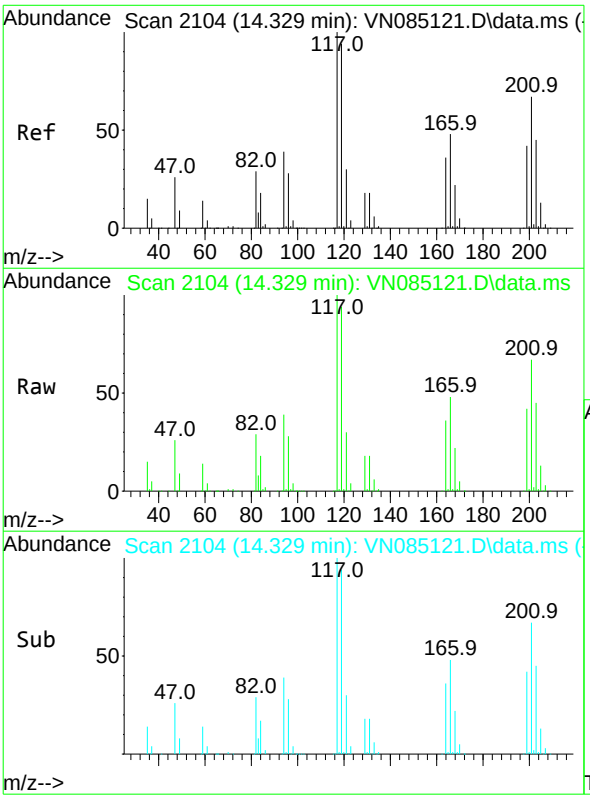
Ion	Ratio	Lower	Upper
91	100		
92	53.4	0.0	104.0
134	25.1	0.0	49.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

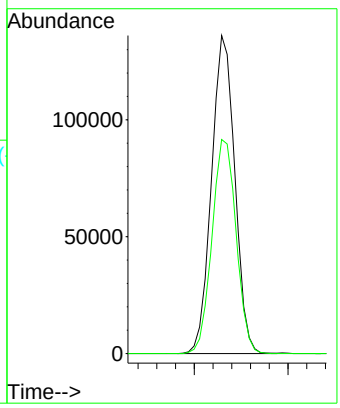
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

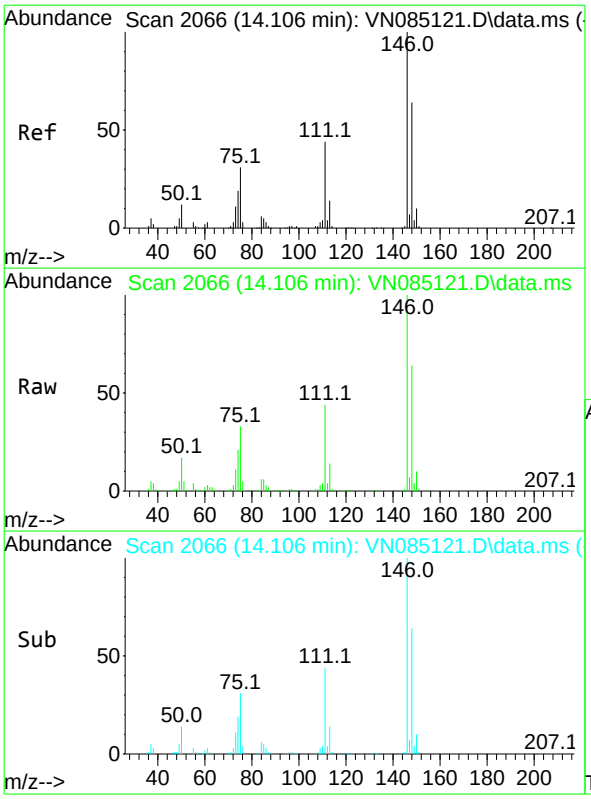


#86
Hexachloroethane
Concen: 160.002 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:117 Resp: 234799

Ion	Ratio	Lower	Upper
117	100		
201	69.7	34.1	102.3

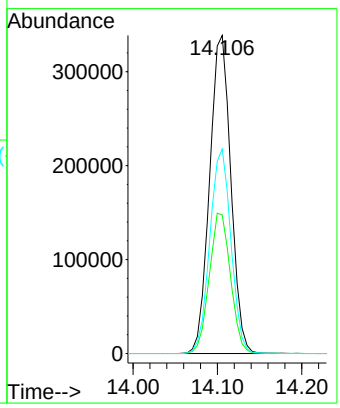




#87
1,2-Dichlorobenzene
Concen: 153.379 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:146 Resp: 591716

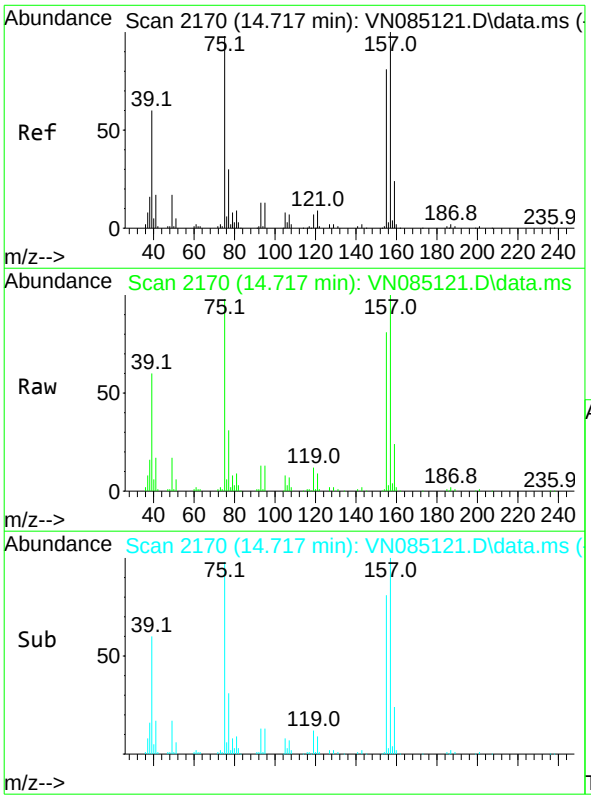
Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.9	65.7
148	64.0	32.4	97.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

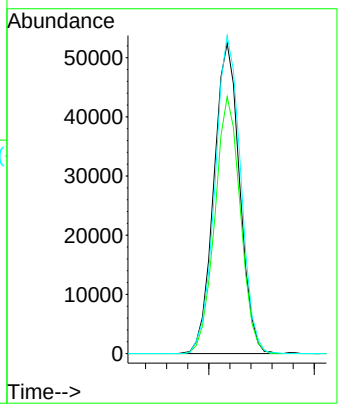
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

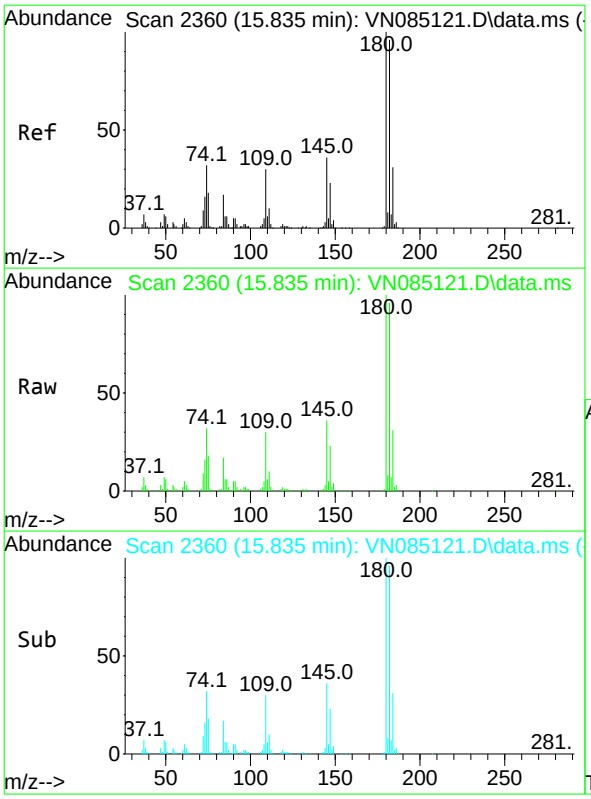


#88
1,2-Dibromo-3-Chloropropane
Concen: 164.781 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 75 Resp: 89112

Ion	Ratio	Lower	Upper
75	100		
155	81.7	62.1	93.1
157	101.9	79.3	118.9

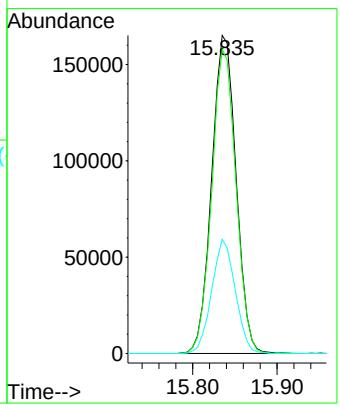




#89
1,2,4-Trichlorobenzene
Concen: 175.876 ug/l
RT: 15.835 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:180 Resp: 332292

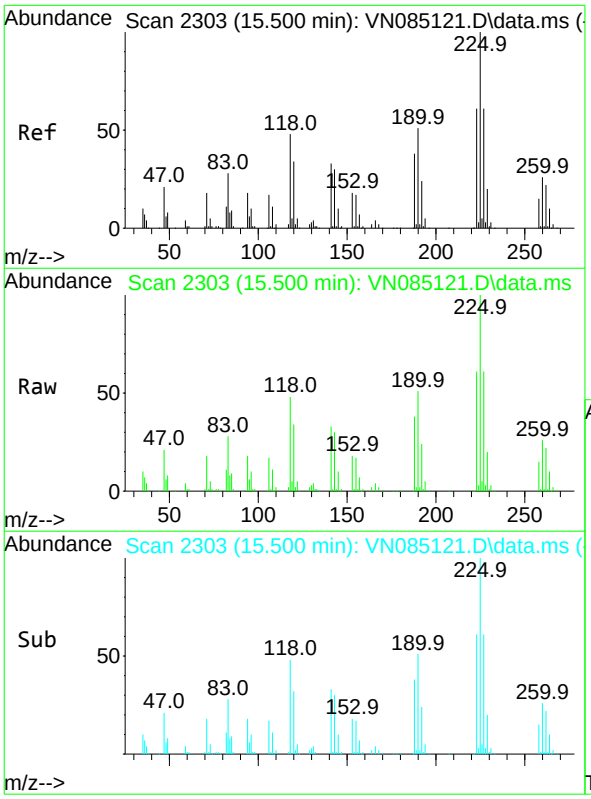
Ion	Ratio	Lower	Upper
180	100		
182	94.7	74.0	111.0
145	34.7	28.6	43.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

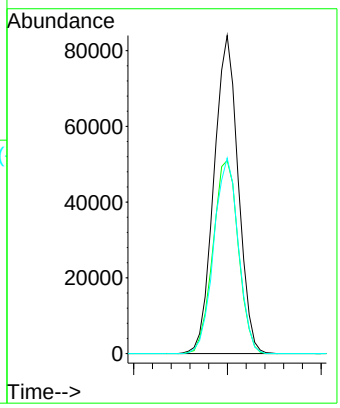
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

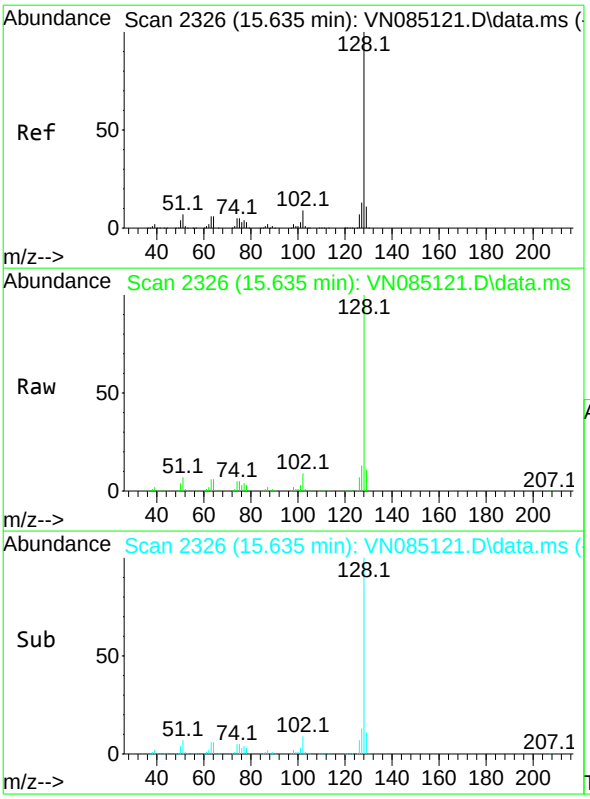


#90
Hexachlorobutadiene
Concen: 153.643 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:225 Resp: 150844

Ion	Ratio	Lower	Upper
225	100		
223	63.5	0.0	121.8
227	62.3	0.0	126.8

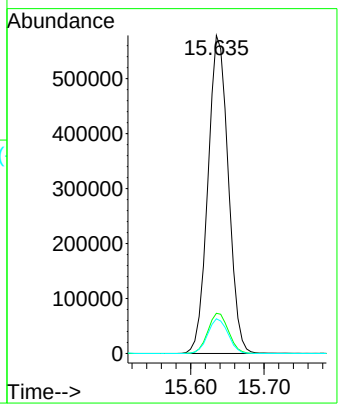




#91
Naphthalene
Concen: 190.174 ug/l
RT: 15.635 min Scan# 23
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:128 Resp: 1116289

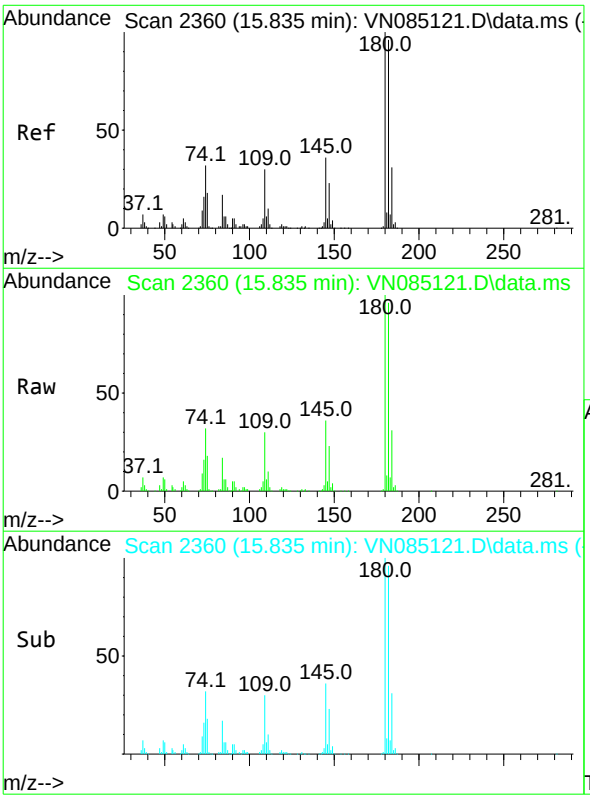
Ion	Ratio	Lower	Upper
128	100		
127	12.8	11.0	16.4
129	10.9	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

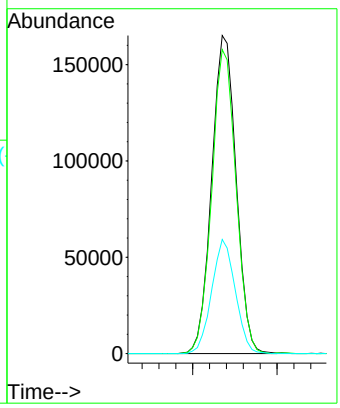
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024



#92
1,2,3-Trichlorobenzene
Concen: 175.876 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:180 Resp: 332292

Ion	Ratio	Lower	Upper
180	100		
182	94.7	0.0	185.0
145	34.7	0.0	71.6



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085123.D
Acq On : 06 Dec 2024 12:28
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 06 23:06:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.818	128	34320	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	185717	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	167596	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	80315	29.493	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.300%				
60) 4-Bromofluorobenzene	12.847	95	85871	30.966	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.233%				
63) Toluene-d8	10.565	98	238389	30.323	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.067%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	60791	22.140	ug/l		99
3) Chloromethane	2.359	50	54189	22.297	ug/l		94
4) Vinyl Chloride	2.512	62	53524	21.532	ug/l		96
5) Bromomethane	2.965	94	37678	23.874	ug/l		100
6) Chloroethane	3.124	64	34096	22.326	ug/l		96
7) Trichlorofluoromethane	3.500	101	88313	21.704	ug/l		97
8) Diethyl Ether	3.959	74	28800	22.346	ug/l		97
9) 1,1,2-Trichlorotrifluo...	4.377	101	50308	22.109	ug/l		97
10) 1,1-Dichloroethene	4.342	96	45812	21.919	ug/l		98
11) Methyl Iodide	4.589	142	63446	21.887	ug/l		96
12) Methyl Acetate	5.018	43	53958	21.883	ug/l		91
13) Acrolein	4.177	56	29807	83.185	ug/l		97
14) Acrylonitrile	5.718	53	111980	109.372	ug/l		96
15) Acetone	4.424	58	29118	104.948	ug/l		97
16) Carbon Disulfide	4.712	76	137866	22.068	ug/l		97
17) Allyl chloride	5.024	41	65461	21.888	ug/l		94
18) Methylene Chloride	5.283	84	49652	20.936	ug/l		94
19) trans-1,2-Dichloroethene	5.783	96	47495	21.862	ug/l		96
20) Diisopropyl ether	6.665	45	143427	21.853	ug/l		98
21) 1,1-Dichloroethane	6.565	63	88356	21.811	ug/l	#	97
22) cis-1,2-Dichloroethene	7.488	96	56787	22.742	ug/l		98
23) tert-Butyl Alcohol	5.512	59	41094	111.884	ug/l	#	100
24) Methyl tert-Butyl Ether	5.794	73	145319	22.254	ug/l	#	76
25) Chloroform	7.965	83	91959	21.669	ug/l		96
26) Cyclohexane	8.259	56	75227	22.553	ug/l		97
29) 1,1-Dichloropropene	8.371	75	65505	21.858	ug/l		99
30) 2-Butanone	7.483	43	147216	107.048	ug/l		98
31) 2,2-Dichloropropane	7.488	77	82584	21.490	ug/l	#	100
32) 1,1,1-Trichloroethane	8.165	97	86299	21.275	ug/l		99
33) Carbon Tetrachloride	8.359	117	76333	20.855	ug/l		95
34) Benzene	8.606	78	199228	21.162	ug/l		94
35) Methacrylonitrile	7.771	41	34766	22.464	ug/l		97
36) 1,2-Dichloroethane	8.665	62	68920	21.505	ug/l		100
37) Trichloroethene	9.347	130	48331	21.558	ug/l		92
38) Methylcyclohexane	9.600	83	71750	22.020	ug/l		95
39) 1,2-Dichloropropane	9.618	63	47583	20.867	ug/l		94
40) Dibromomethane	9.712	93	34556	21.127	ug/l		98
41) Bromodichloromethane	9.888	83	73839	21.117	ug/l		94
42) Vinyl Acetate	6.600	43	554646	115.256	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085123.D
Acq On : 06 Dec 2024 12:28
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 06 23:06:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	62407	22.807	ug/l	93
44) Isopropyl Acetate	8.682	43	103521	21.770	ug/l	100
45) 1,4-Dioxane	9.694	88	17346	437.438	ug/l	96
46) Methyl methacrylate	9.677	41	47854	21.989	ug/l	96
47) n-amyl Acetate	12.488	43	87700	21.920	ug/l	97
48) t-1,3-Dichloropropene	10.835	75	72633	21.161	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	79711	21.333	ug/l	98
50) 1,1,2-Trichloroethane	11.012	97	47258	21.441	ug/l	95
51) Ethyl methacrylate	10.871	69	74129	22.113	ug/l	97
52) 1,3-Dichloropropane	11.159	76	79252	21.486	ug/l	99
53) Dibromochloromethane	11.353	129	55601	20.701	ug/l	93
54) 1,2-Dibromoethane	11.465	107	47513	21.396	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	120953	77.670	ug/l	99
56) Bromoform	12.576	173	37077	20.588	ug/l	96
58) 4-Methyl-2-Pentanone	10.441	43	305762	111.787	ug/l	99
59) 2-Hexanone	11.194	43	233377	112.607	ug/l	98
61) Tetrachloroethene	11.100	164	45248	22.294	ug/l	95
62) Toluene	10.629	91	214790	21.975	ug/l	99
64) Chlorobenzene	11.888	112	133437	22.112	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	48941	21.725	ug/l	98
66) Ethyl Benzene	11.965	91	231289	22.300	ug/l	96
67) m/p-Xylenes	12.070	106	182990	45.872	ug/l	99
68) o-Xylene	12.394	106	84266	22.492	ug/l	99
69) Styrene	12.412	104	145082	22.822	ug/l	99
70) Isopropylbenzene	12.694	105	217804	22.540	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	65321	22.210	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	68116m	23.445	ug/l	
73) Bromobenzene	12.976	156	53832	22.241	ug/l	99
74) n-propylbenzene	13.035	91	261027	22.470	ug/l	99
75) 2-Chlorotoluene	13.123	91	161221	22.446	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	189105	22.843	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	22735	21.535	ug/l	99
78) 4-Chlorotoluene	13.217	91	163711	22.456	ug/l	100
79) tert-butylbenzene	13.435	119	152793	22.471	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	188016	22.992	ug/l	100
81) sec-Butylbenzene	13.612	105	221463	22.925	ug/l	99
82) p-Isopropyltoluene	13.729	119	181815	22.702	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	96640	21.763	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	98028	22.651	ug/l	99
85) n-Butylbenzene	14.053	91	148587	22.118	ug/l	98
86) Hexachloroethane	14.329	117	34505	21.642	ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	92278	22.016	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	12928	22.003	ug/l	98
89) 1,2,4-Trichlorobenzene	15.835	180	47265	23.026	ug/l	97
90) Hexachlorobutadiene	15.500	225	24662	23.121	ug/l	98
91) Naphthalene	15.641	128	145950	22.886	ug/l	98
92) 1,2,3-Trichlorobenzene	15.835	180	47265	23.026	ug/l	97

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

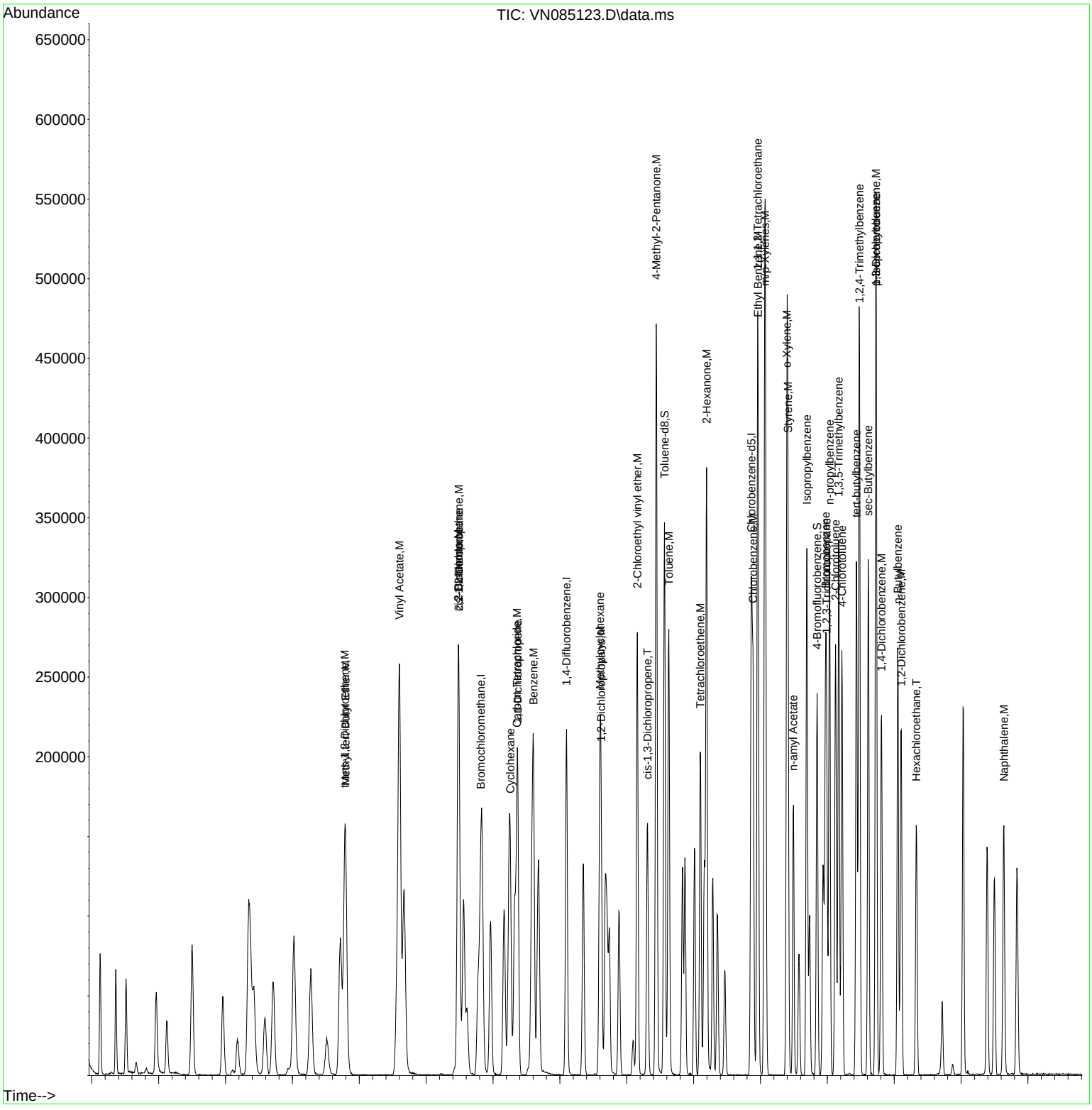
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Data File : VN085123.D
Acq On : 06 Dec 2024 12:28
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

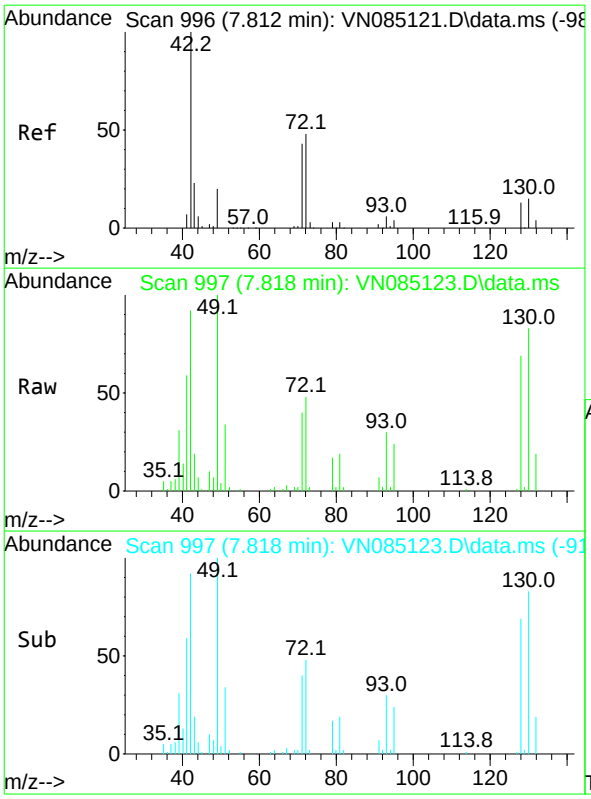
Quant Time: Dec 06 23:06:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

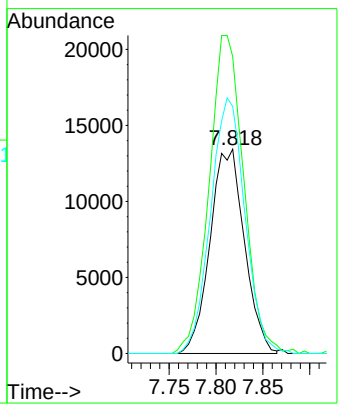




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:128 Resp: 34320

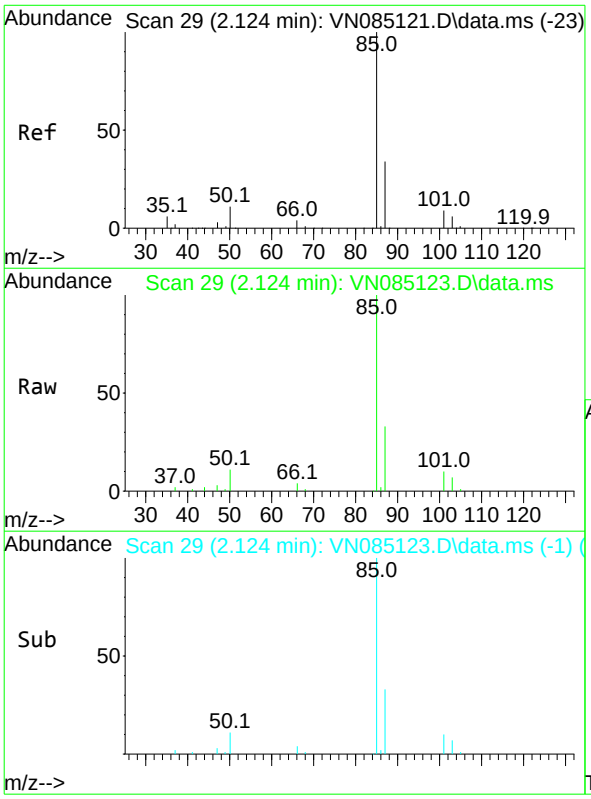
Ion	Ratio	Lower	Upper
128	100		
49	156.1	0.0	394.5
130	124.9	0.0	316.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

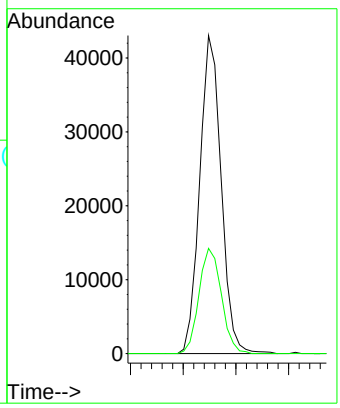
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

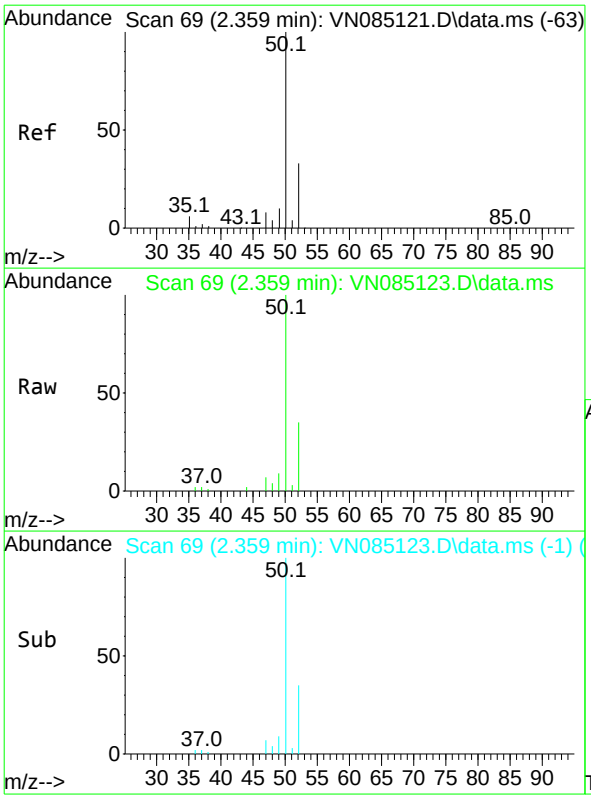


#2
Dichlorodifluoromethane
Concen: 22.140 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 85 Resp: 60791

Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.8	50.3

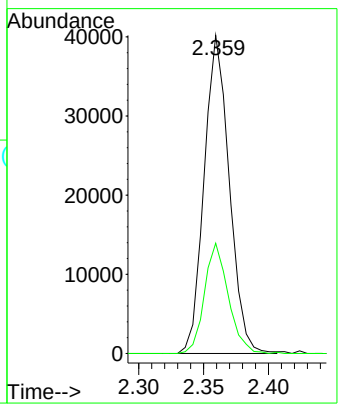




#3
Chloromethane
Concen: 22.297 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 50 Resp: 54189

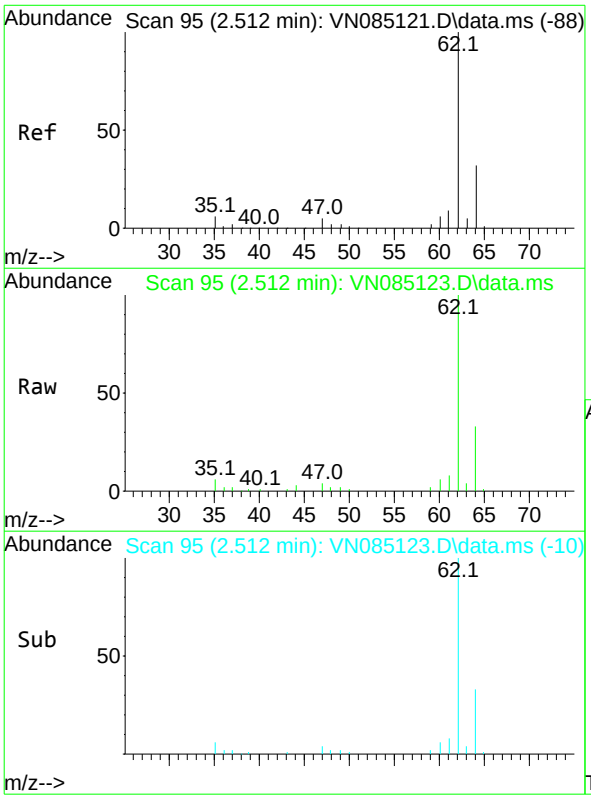
Ion	Ratio	Lower	Upper
50	100		
52	34.7	25.0	37.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

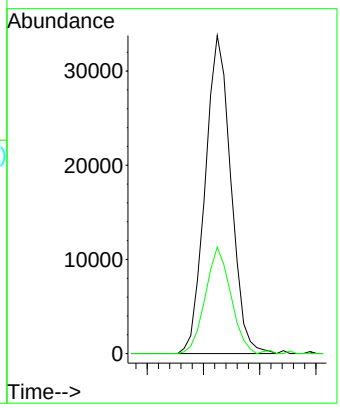
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

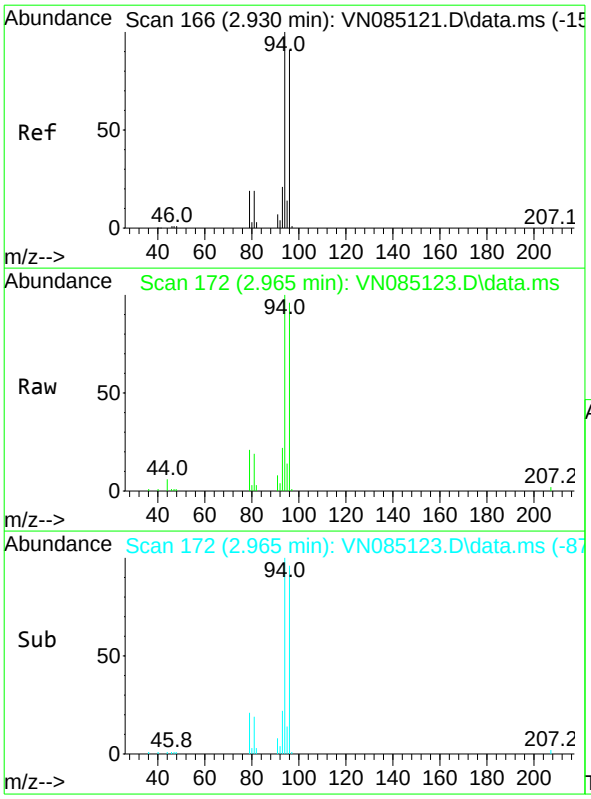


#4
Vinyl Chloride
Concen: 21.532 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 62 Resp: 53524

Ion	Ratio	Lower	Upper
62	100		
64	33.5	24.9	37.3

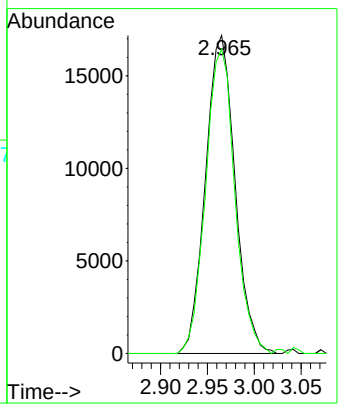




#5
Bromomethane
Concen: 23.874 ug/l
RT: 2.965 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 94 Resp: 37678

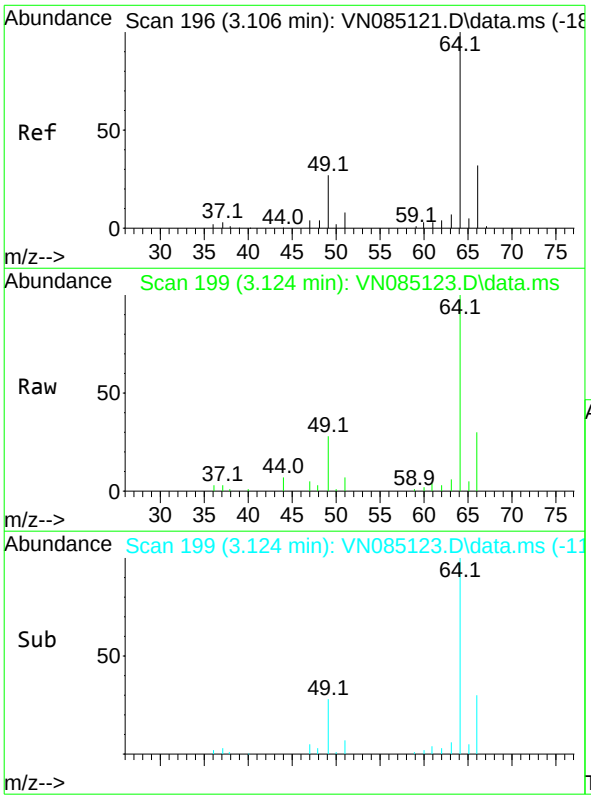
Ion	Ratio	Lower	Upper
94	100		
96	95.7	76.2	114.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

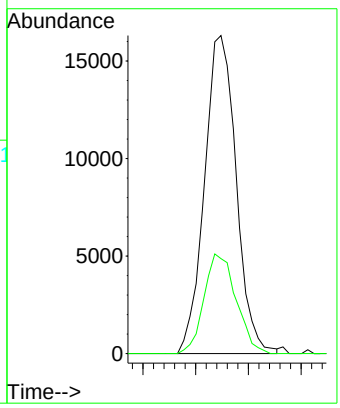
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

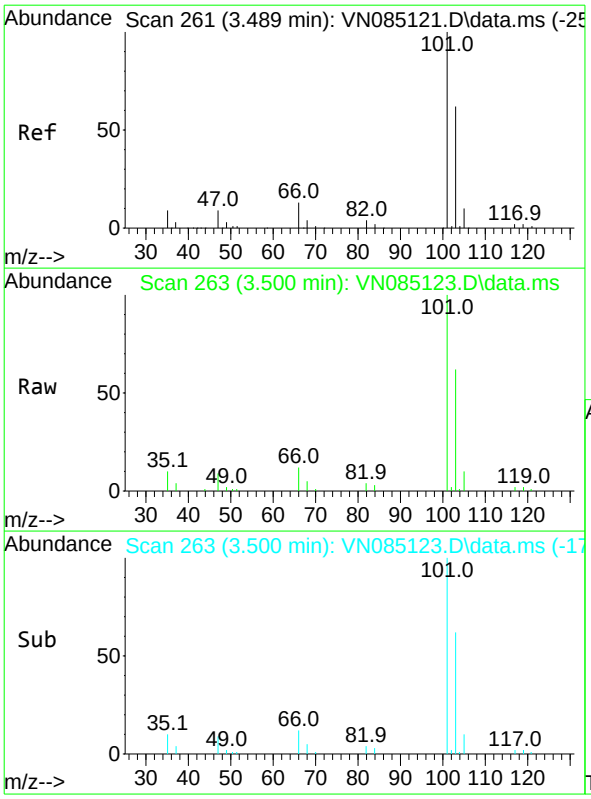


#6
Chloroethane
Concen: 22.326 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 64 Resp: 34096

Ion	Ratio	Lower	Upper
64	100		
66	29.9	25.5	38.3

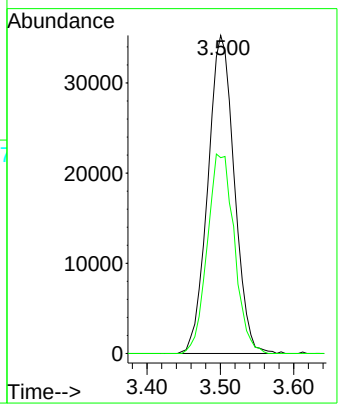




#7
Trichlorofluoromethane
Concen: 21.704 ug/l
RT: 3.500 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:101 Resp: 88313

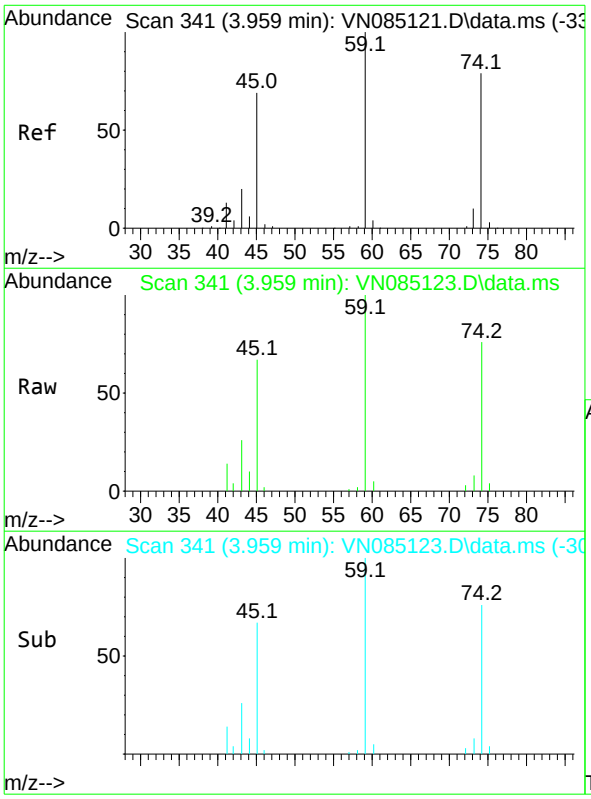
Ion	Ratio	Lower	Upper
101	100		
103	61.6	51.3	76.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

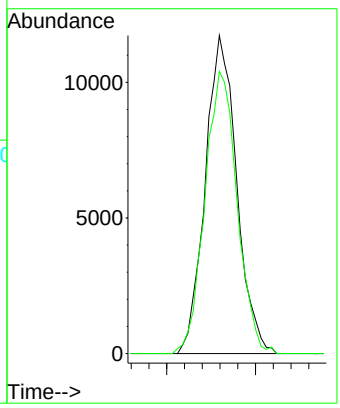
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

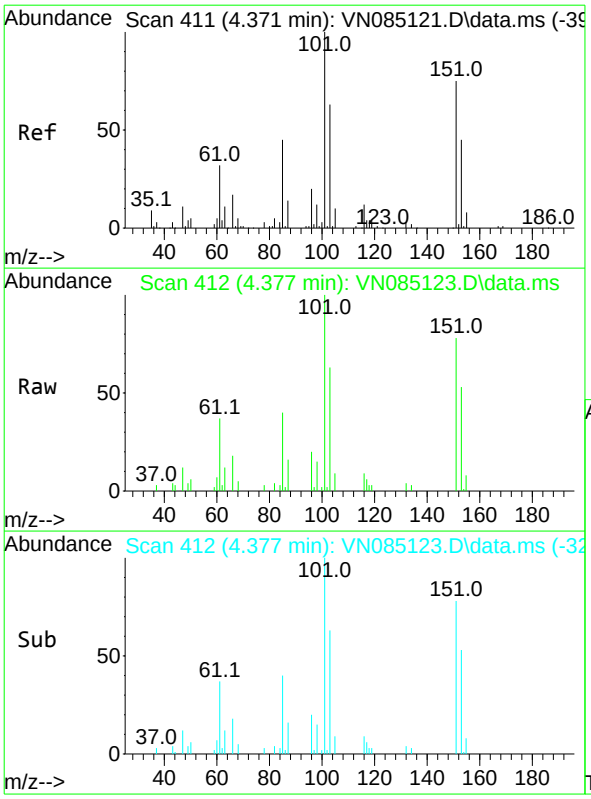


#8
Diethyl Ether
Concen: 22.346 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 74 Resp: 28800

Ion	Ratio	Lower	Upper
74	100		
45	90.7	18.6	167.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.109 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

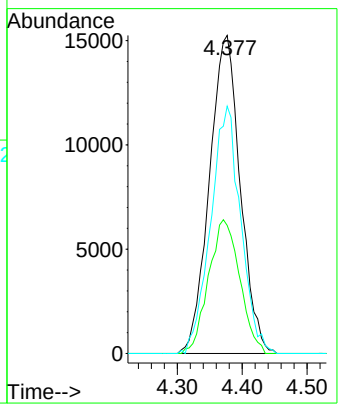
Tgt Ion:101 Resp: 50308

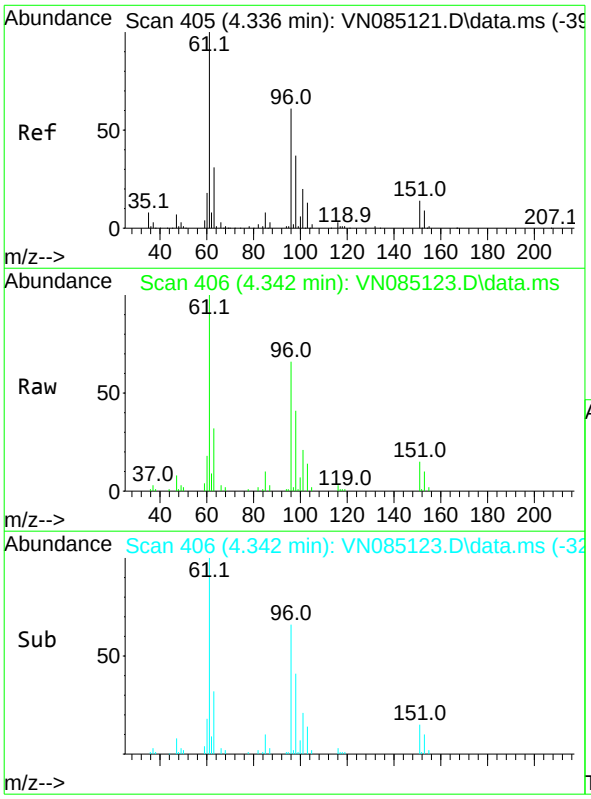
Ion	Ratio	Lower	Upper
101	100		
85	42.5	0.0	88.6
151	75.8	0.0	155.8

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

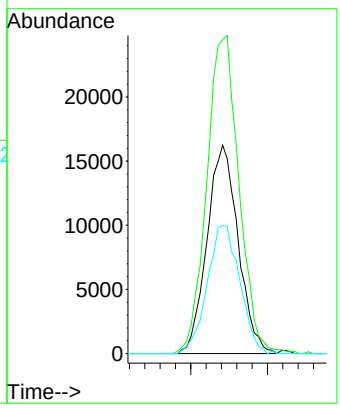


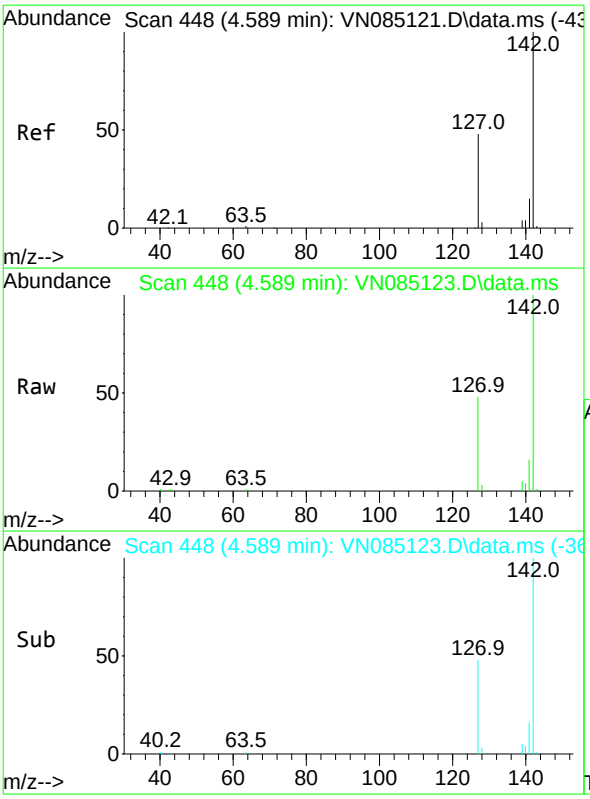


#10
1,1-Dichloroethene
Concen: 21.919 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 96 Resp: 45812

Ion	Ratio	Lower	Upper
96	100		
61	149.4	123.0	184.4
98	61.5	49.1	73.7

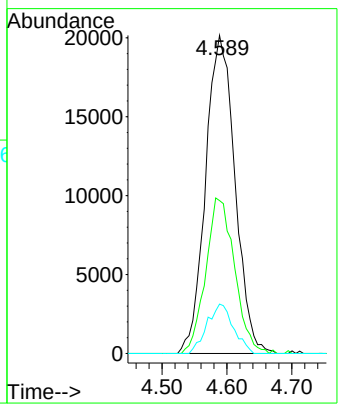




#11
Methyl Iodide
Concen: 21.887 ug/l
RT: 4.589 min Scan# 44
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:142 Resp: 63446

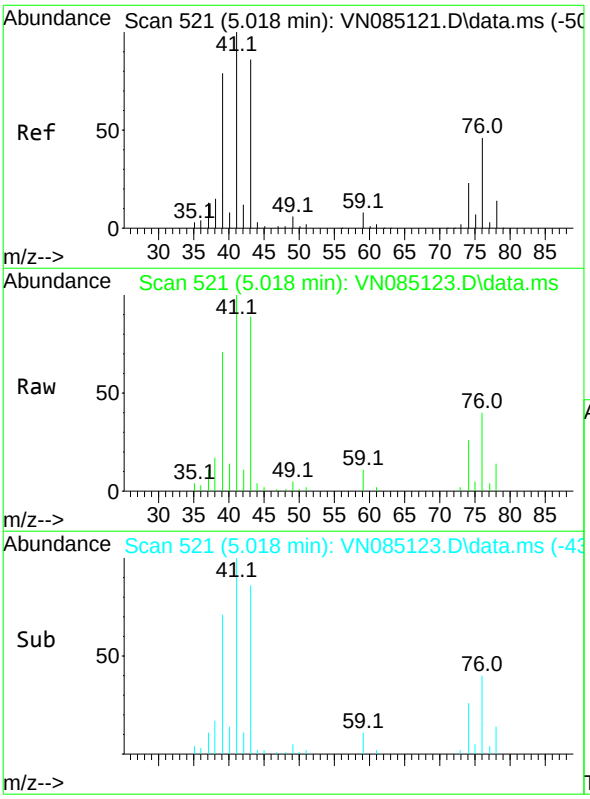
Ion	Ratio	Lower	Upper
142	100		
127	48.1	22.5	67.5
141	15.5	8.3	24.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

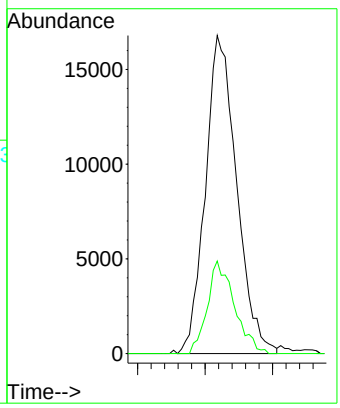
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

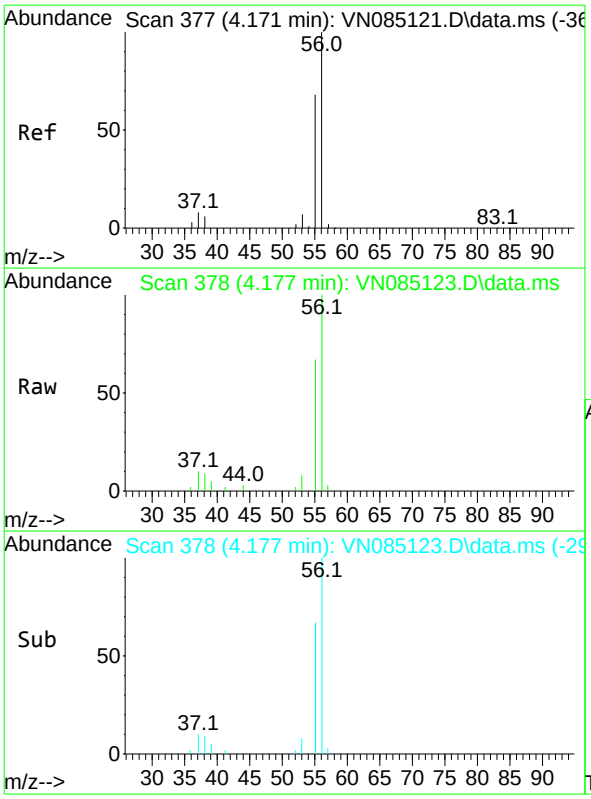


#12
Methyl Acetate
Concen: 21.883 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 43 Resp: 53958

Ion	Ratio	Lower	Upper
43	100		
74	29.3	19.8	29.6

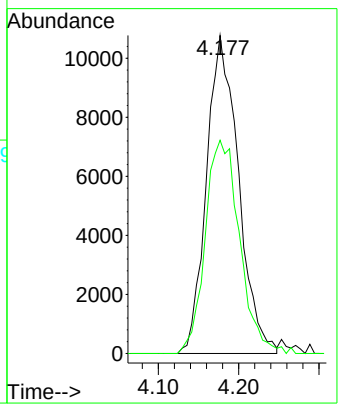




#13
Acrolein
Concen: 83.185 ug/l
RT: 4.177 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 56 Resp: 29807

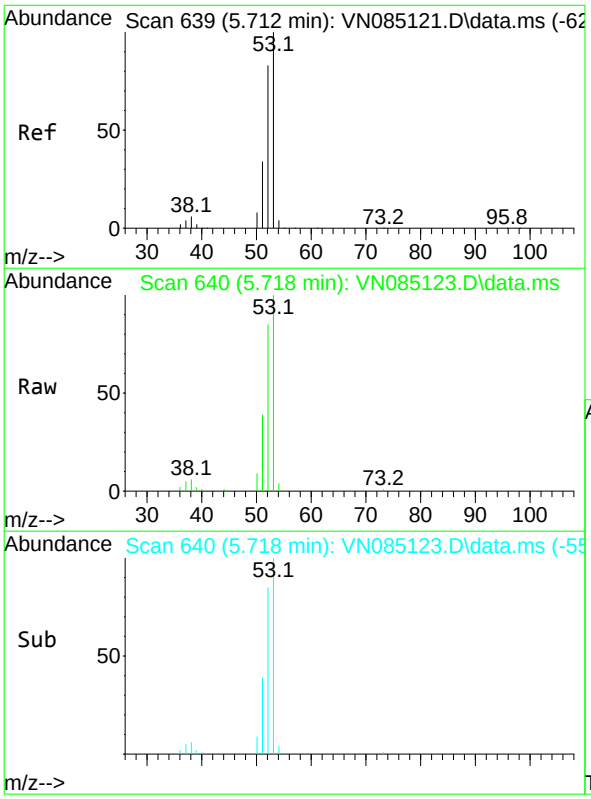
Ion	Ratio	Lower	Upper
56	100		
55	71.6	59.4	89.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

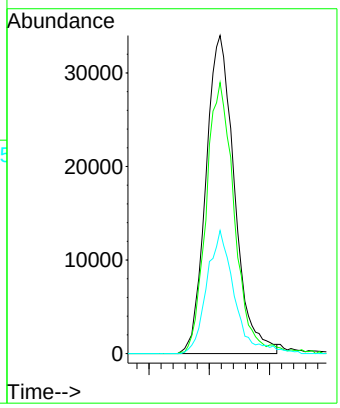
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

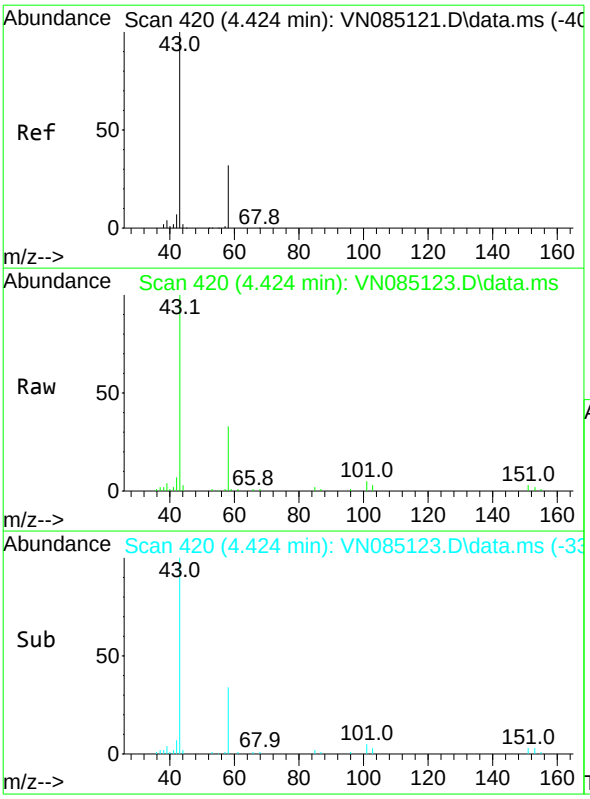


#14
Acrylonitrile
Concen: 109.372 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 53 Resp: 111980

Ion	Ratio	Lower	Upper
53	100		
52	82.8	42.9	128.5
51	37.5	17.2	51.5

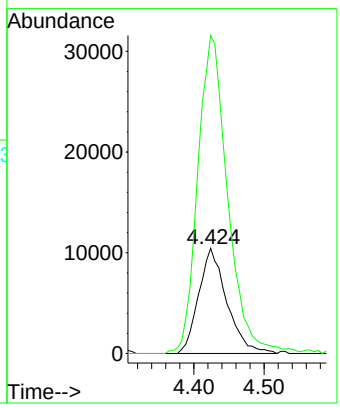




#15
Acetone
Concen: 104.948 ug/l
RT: 4.424 min Scan# 42
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 58 Resp: 29118

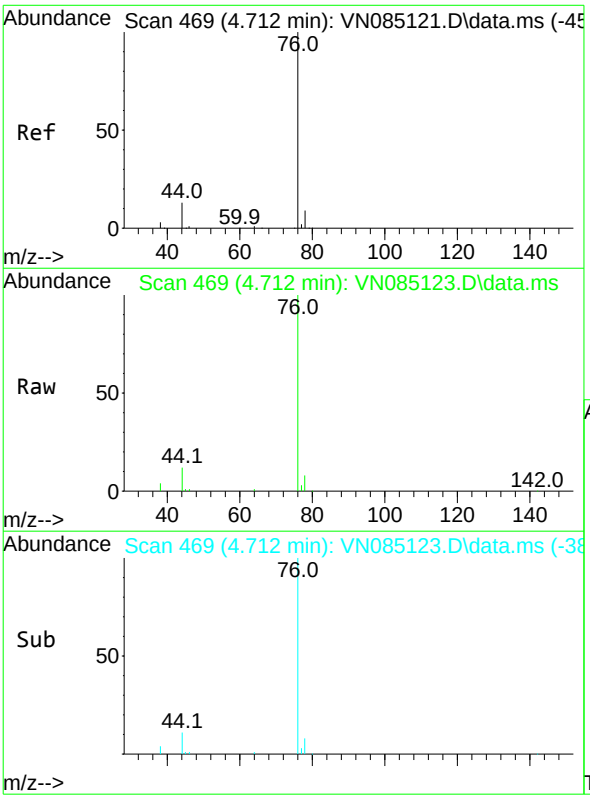
Ion	Ratio	Lower	Upper
58	100		
43	296.9	242.3	363.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

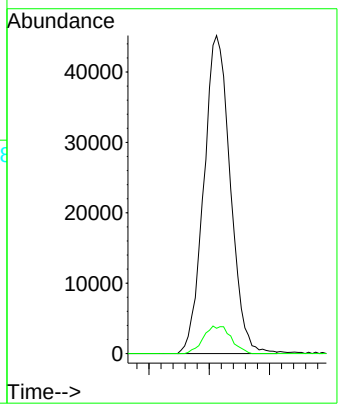
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

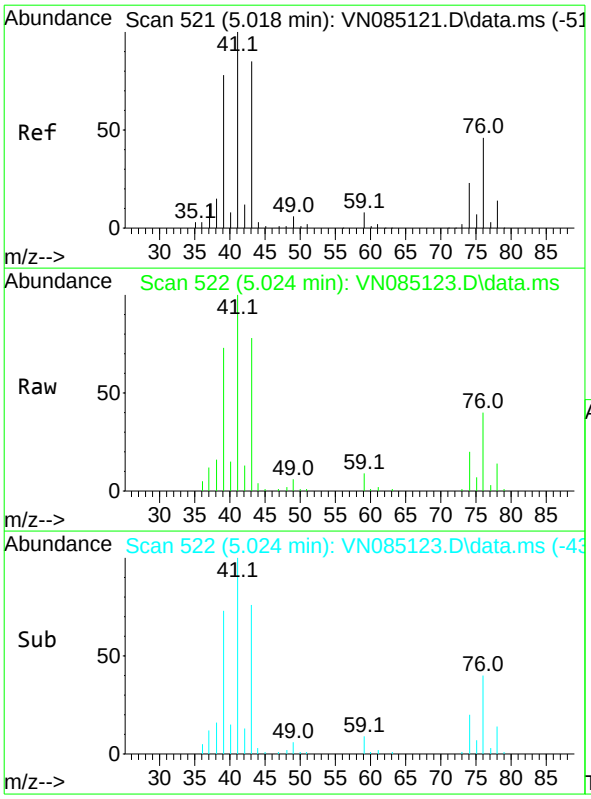


#16
Carbon Disulfide
Concen: 22.068 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 76 Resp: 137866

Ion	Ratio	Lower	Upper
76	100		
78	7.9	7.1	10.7

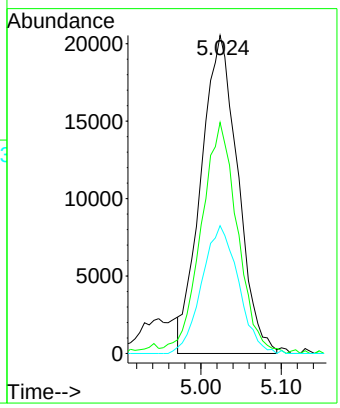




#17
Allyl chloride
Concen: 21.888 ug/l
RT: 5.024 min Scan# 52
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 41 Resp: 65461

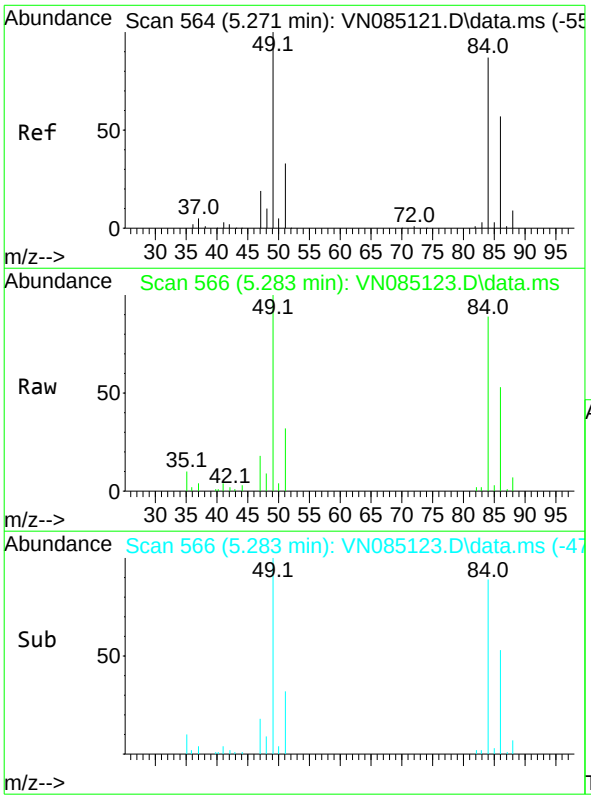
Ion	Ratio	Lower	Upper
41	100		
39	71.9	32.0	96.2
76	40.6	20.2	60.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

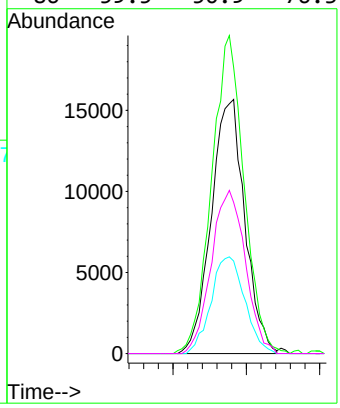
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

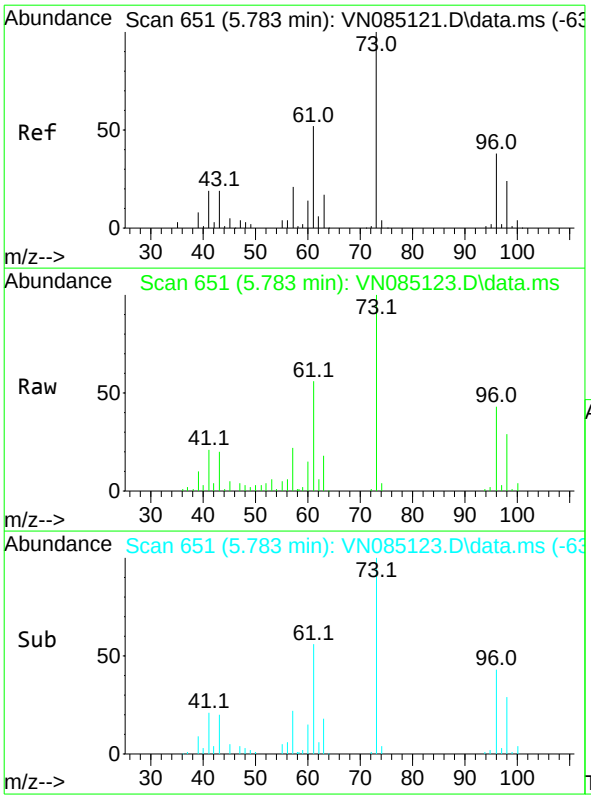


#18
Methylene Chloride
Concen: 20.936 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 84 Resp: 49652

Ion	Ratio	Lower	Upper
84	100		
49	111.4	95.1	142.7
51	36.4	27.4	41.0
86	59.5	50.9	76.3

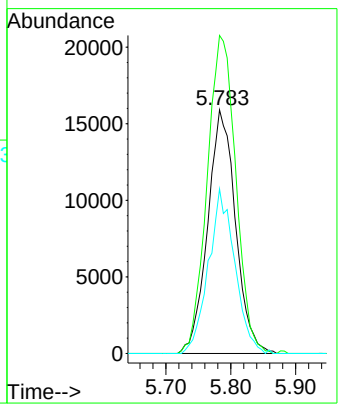




#19
trans-1,2-Dichloroethene
Concen: 21.862 ug/l
RT: 5.783 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 96 Resp: 47495

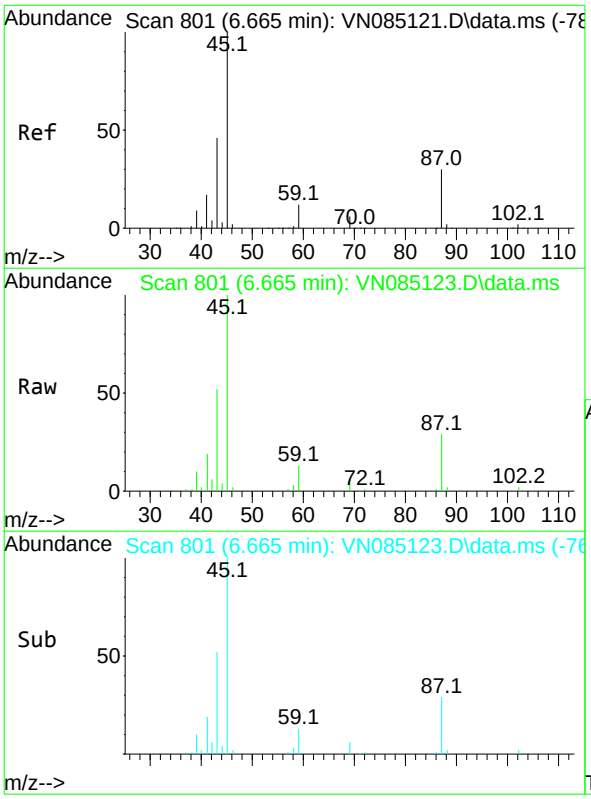
Ion	Ratio	Lower	Upper
96	100		
61	130.6	100.4	150.6
98	67.5	52.6	79.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

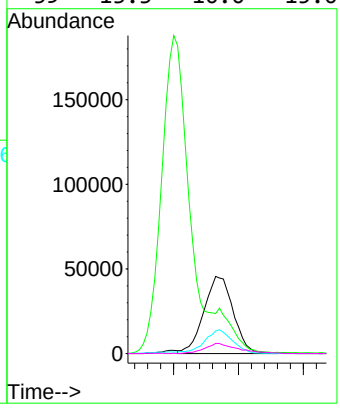
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

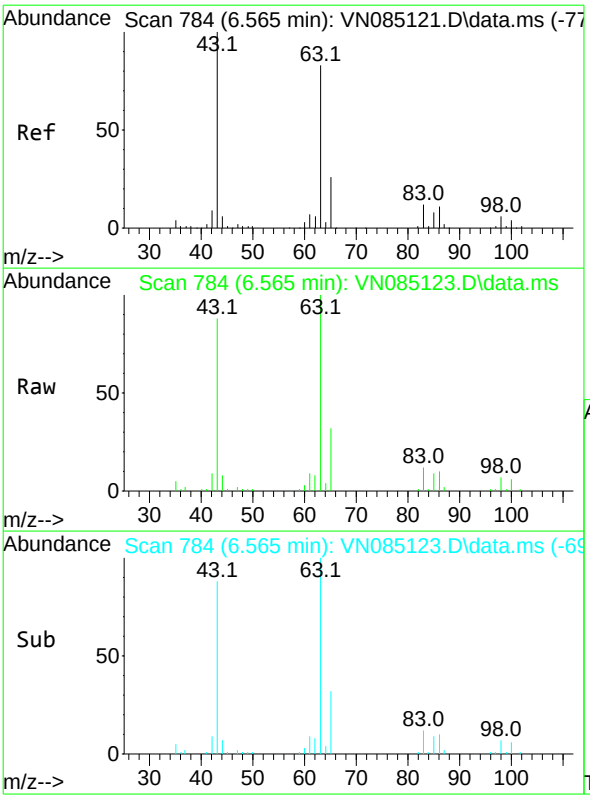


#20
Diisopropyl ether
Concen: 21.853 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 45 Resp: 143427

Ion	Ratio	Lower	Upper
45	100		
43	50.6	41.9	62.9
87	29.5	24.1	36.1
59	13.3	10.0	15.0

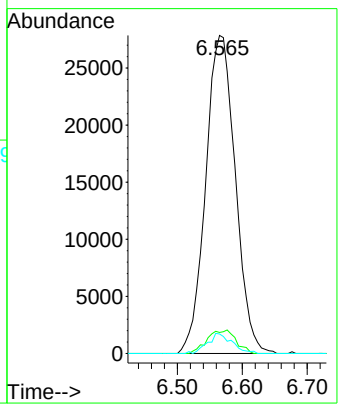




#21
1,1-Dichloroethane
Concen: 21.811 ug/l
RT: 6.565 min Scan# 78
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 63 Resp: 88356

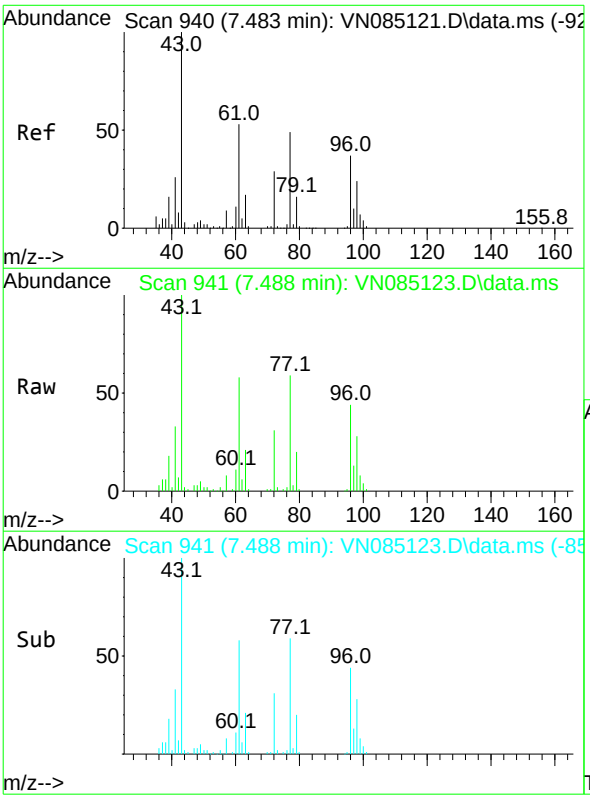
Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.5	10.4
100	6.1	1.6	4.8#



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

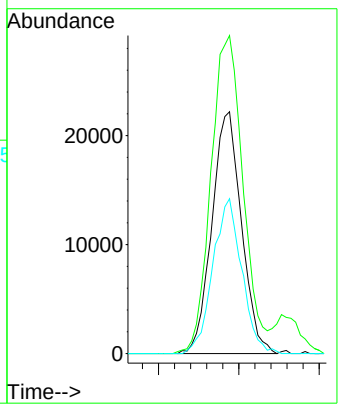
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

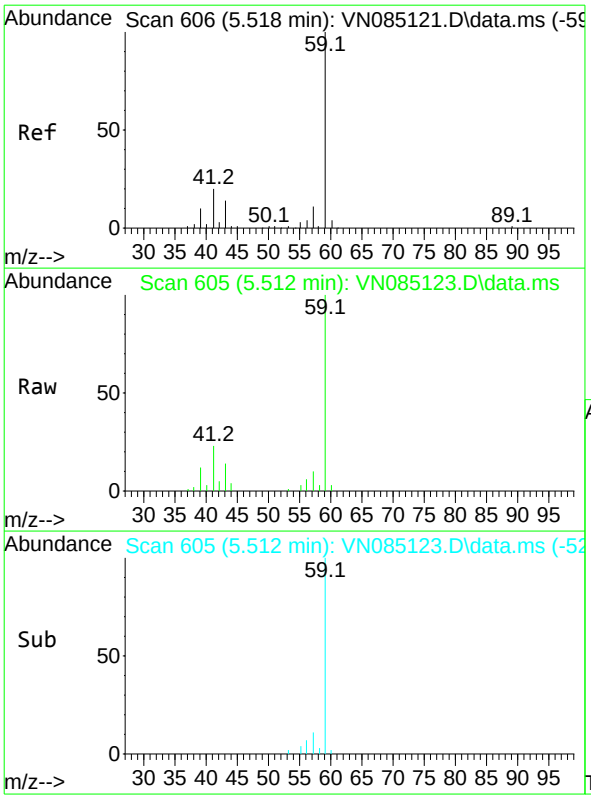


#22
cis-1,2-Dichloroethene
Concen: 22.742 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 96 Resp: 56787

Ion	Ratio	Lower	Upper
96	100		
61	142.2	115.9	173.9
98	62.3	51.8	77.8





#23
tert-Butyl Alcohol
Concen: 111.884 ug/l
RT: 5.512 min Scan# 60
Delta R.T. -0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

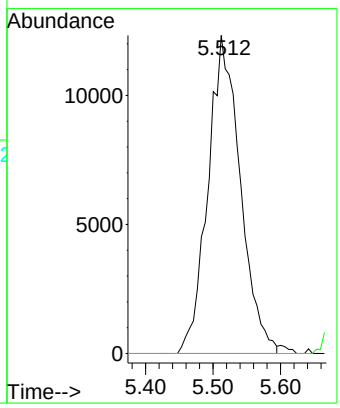
Tgt Ion: 59 Resp: 41094

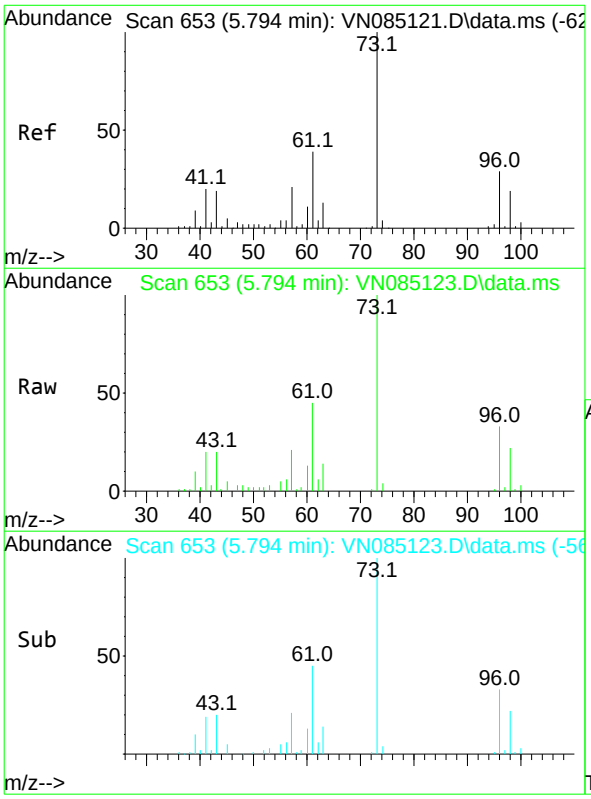
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

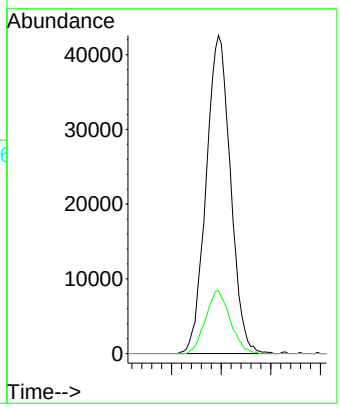


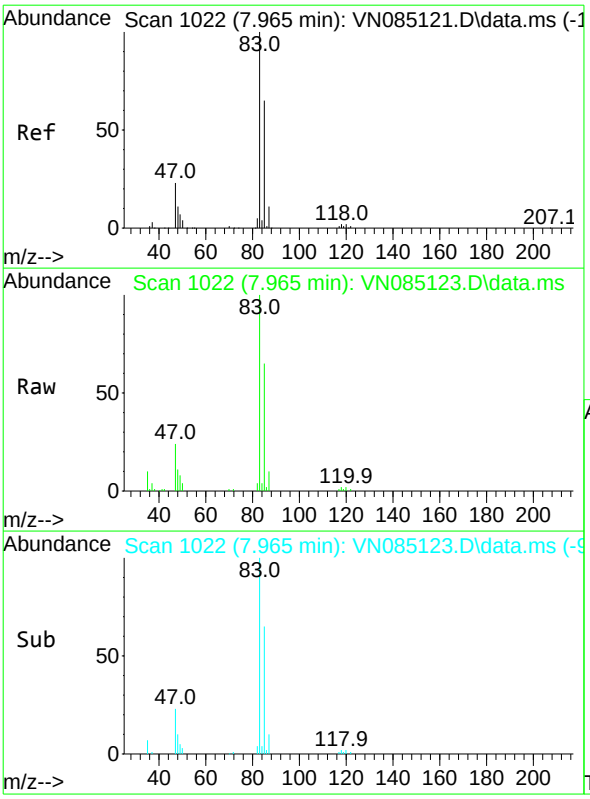


#24
Methyl tert-Butyl Ether
Concen: 22.254 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 73 Resp: 145319

Ion	Ratio	Lower	Upper
73	100		
43	20.0	8.7	13.1#

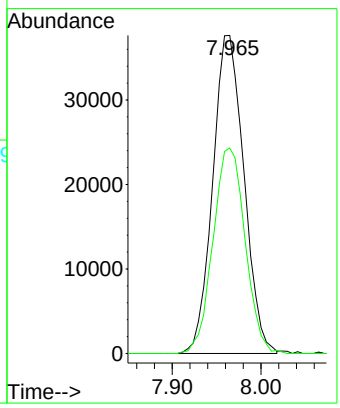




#25
Chloroform
Concen: 21.669 ug/l
RT: 7.965 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 83 Resp: 91959

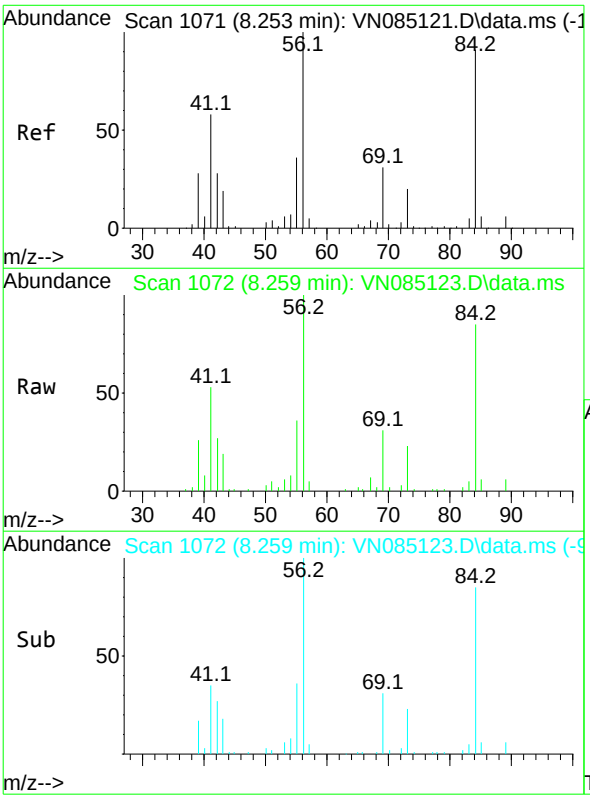
Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.4	74.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

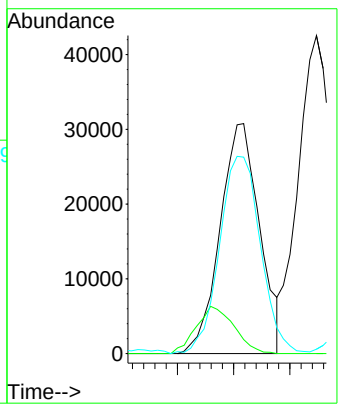
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

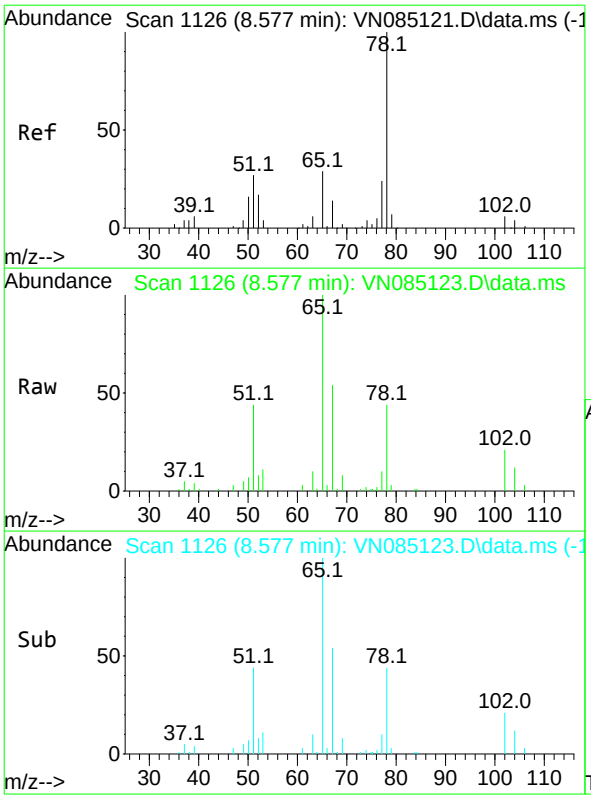


#26
Cyclohexane
Concen: 22.553 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. 0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 56 Resp: 75227

Ion	Ratio	Lower	Upper
56	100		
89	19.7	19.5	29.3
84	89.0	70.6	105.8

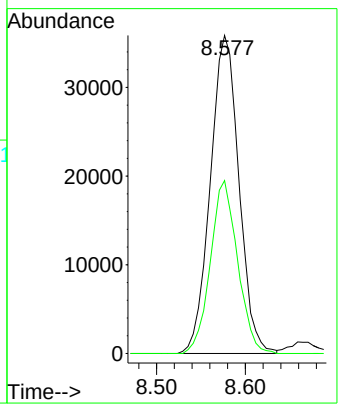




#27
1,2-Dichloroethane-d4
Concen: 29.493 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 65 Resp: 80315

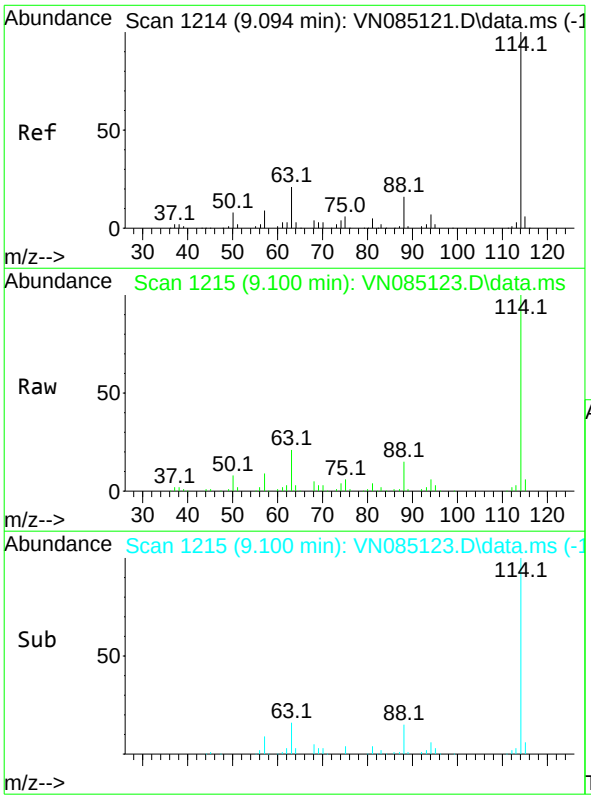
Ion	Ratio	Lower	Upper
65	100		
67	51.7	39.9	59.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

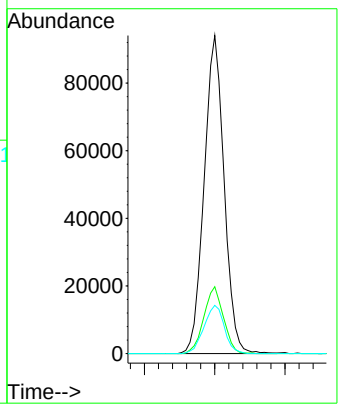
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

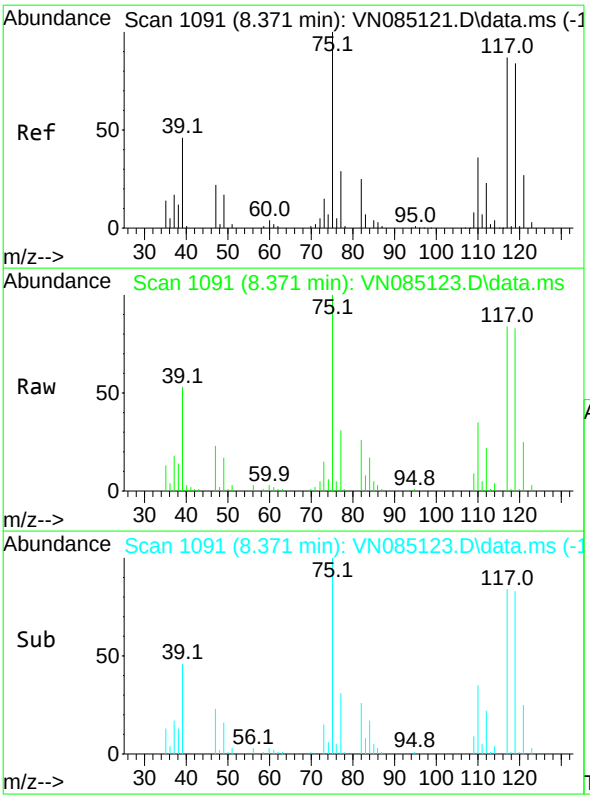


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:114 Resp: 185717

Ion	Ratio	Lower	Upper
114	100		
63	20.5	16.2	24.2
88	15.5	12.5	18.7

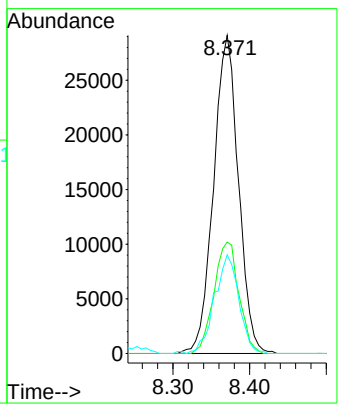




#29
1,1-Dichloropropene
Concen: 21.858 ug/l
RT: 8.371 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 75 Resp: 65505

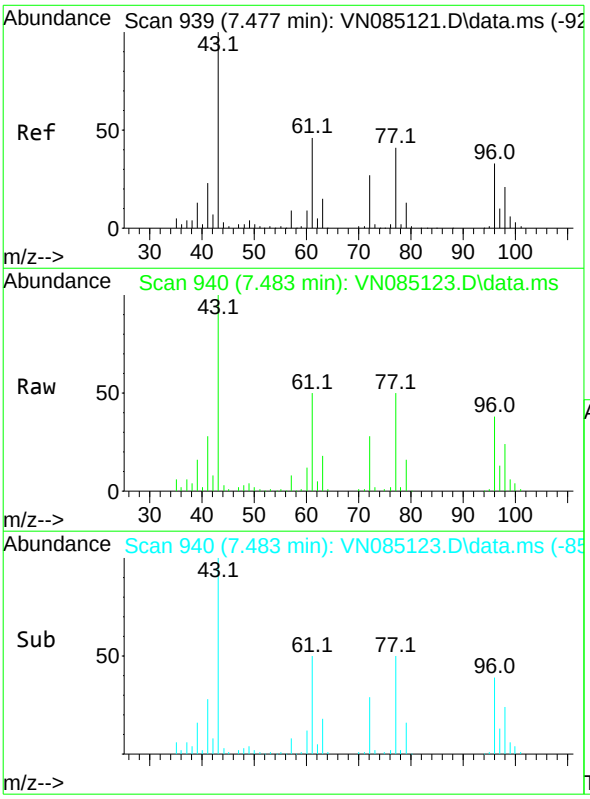
Ion	Ratio	Lower	Upper
75	100		
110	35.2	0.0	71.6
77	30.4	0.0	62.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
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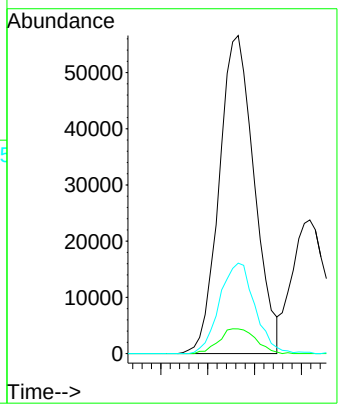
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

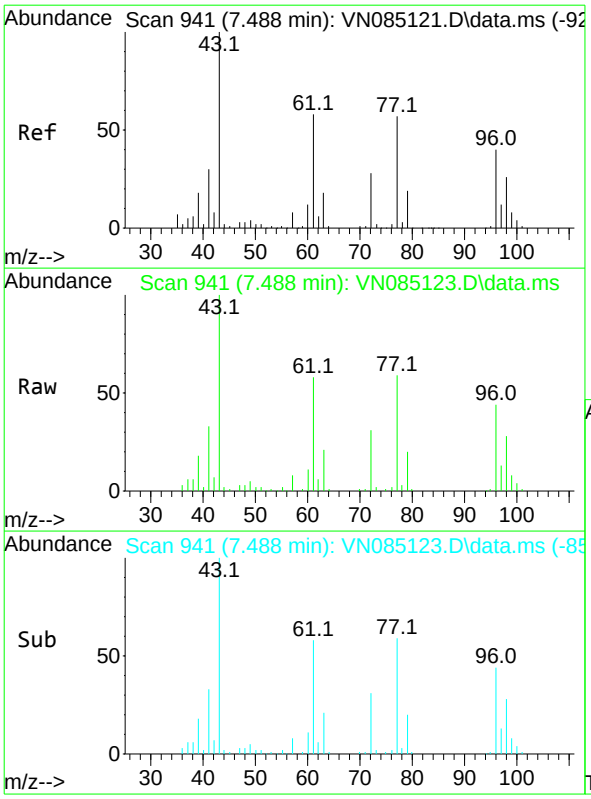


#30
2-Butanone
Concen: 107.048 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 43 Resp: 147216

Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.9	10.3
72	28.5	21.8	32.8

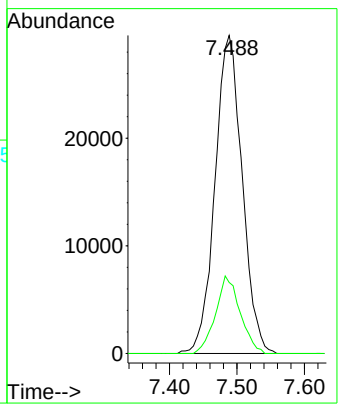




#31
2,2-Dichloropropane
Concen: 21.490 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 77 Resp: 82584

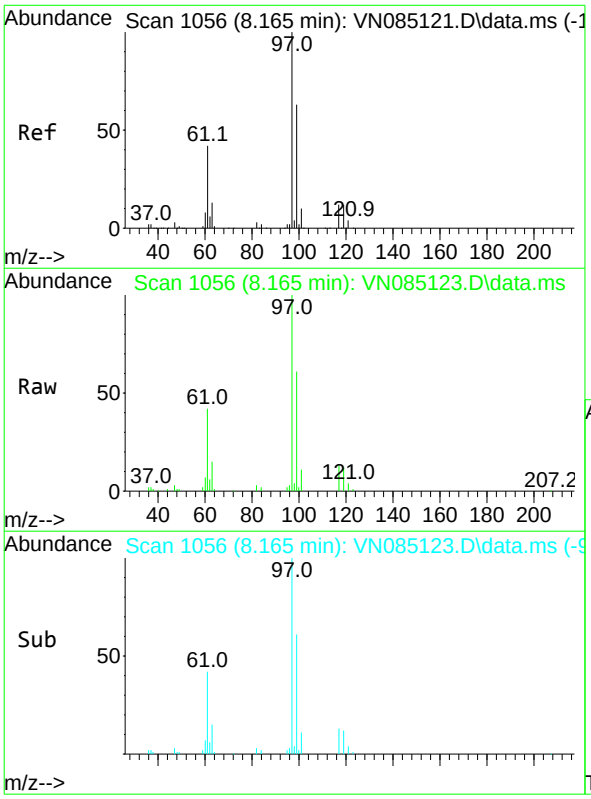
Ion	Ratio	Lower	Upper
77	100		
97	22.0	0.0	0.0#



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

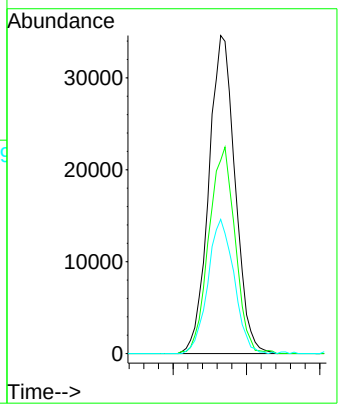
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

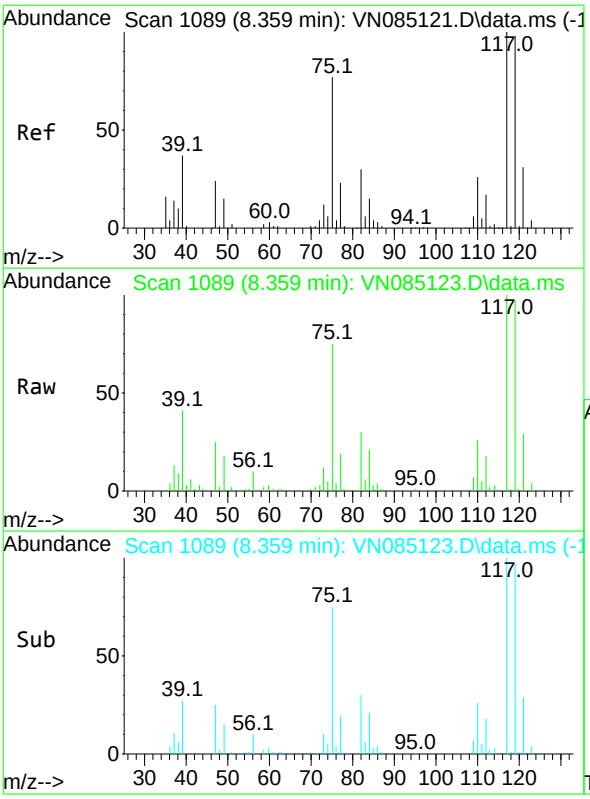


#32
1,1,1-Trichloroethane
Concen: 21.275 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 97 Resp: 86299

Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.8	76.2
61	42.0	32.7	49.1

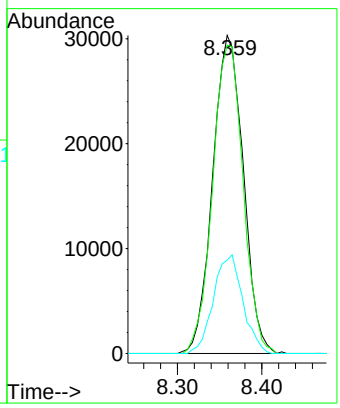




#33
Carbon Tetrachloride
Concen: 20.855 ug/l
RT: 8.359 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:117 Resp: 76333

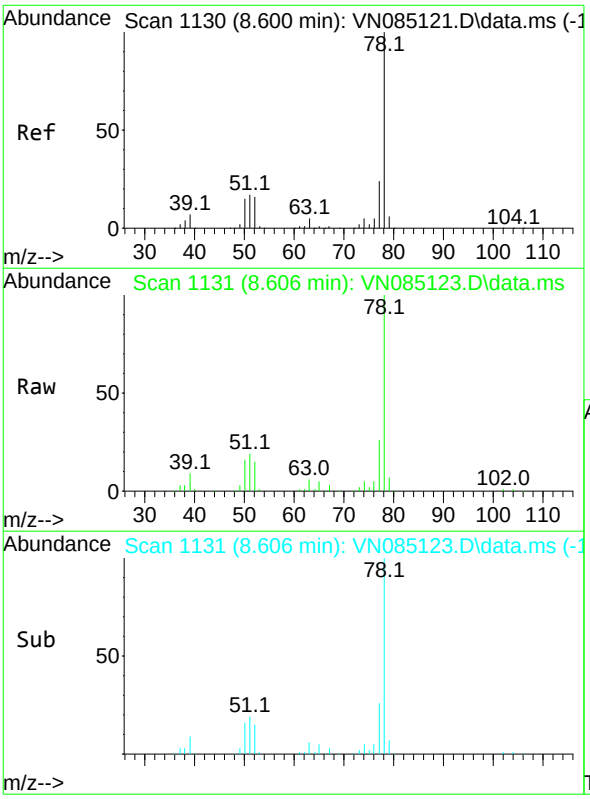
Ion	Ratio	Lower	Upper
117	100		
119	97.0	81.6	122.4
121	29.3	26.5	39.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

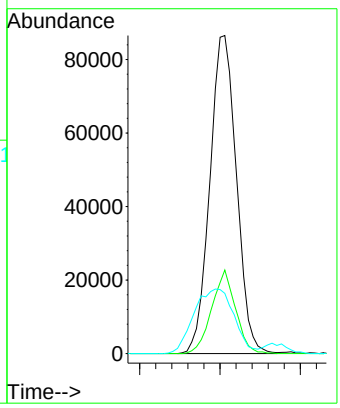
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

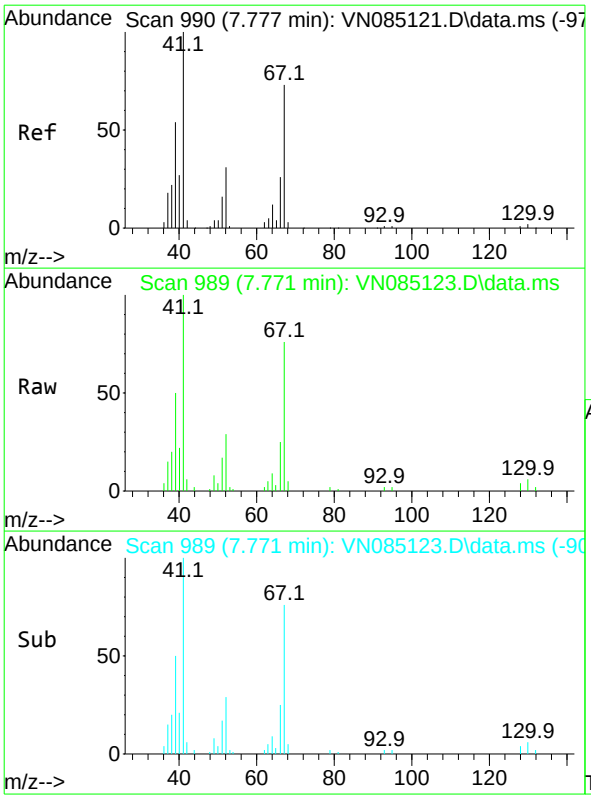


#34
Benzene
Concen: 21.162 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 78 Resp: 199228

Ion	Ratio	Lower	Upper
78	100		
77	26.3	18.0	27.0
51	17.3	12.4	18.6

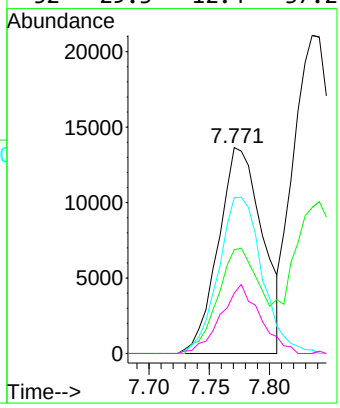




#35
Methacrylonitrile
Concen: 22.464 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 41 Resp: 34766

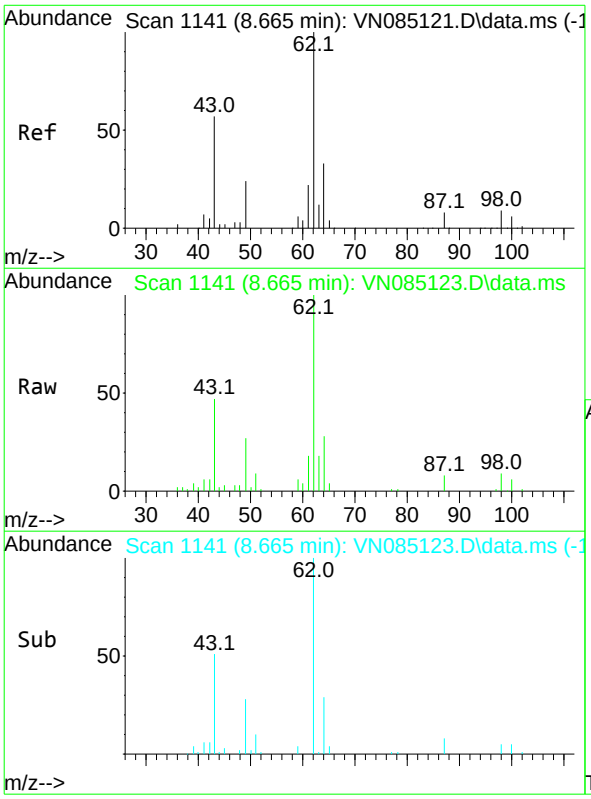
Ion	Ratio	Lower	Upper
41	100		
39	50.4	24.4	73.2
67	75.7	37.0	110.9
52	29.3	12.4	37.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

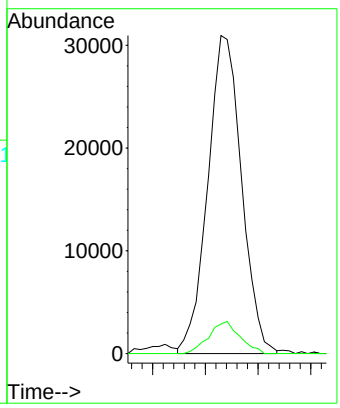
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

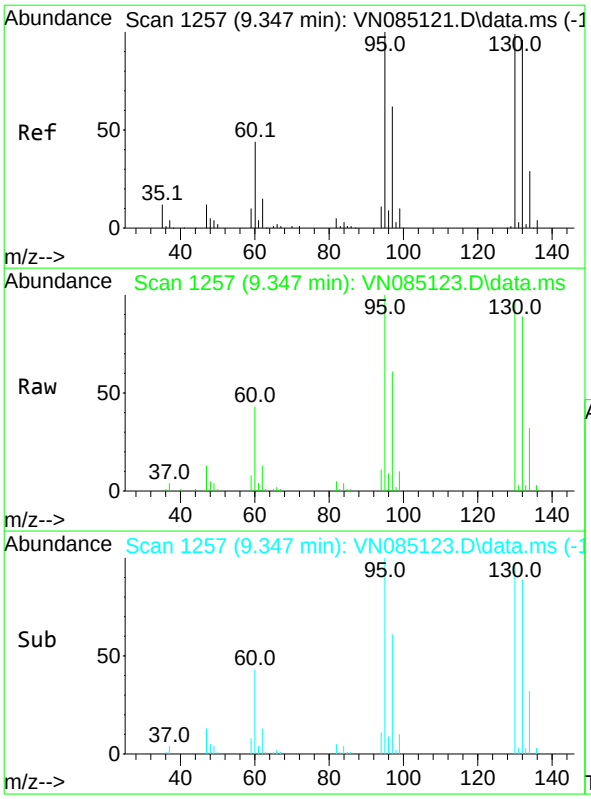


#36
1,2-Dichloroethane
Concen: 21.505 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 62 Resp: 68920

Ion	Ratio	Lower	Upper
62	100		
98	9.3	7.3	10.9

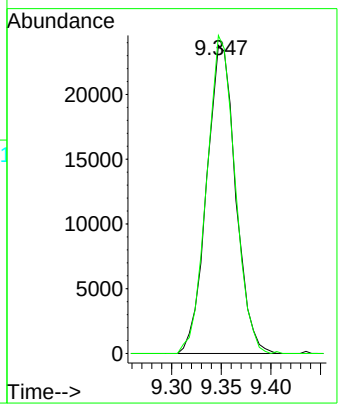




#37
Trichloroethene
Concen: 21.558 ug/l
RT: 9.347 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:130 Resp: 48331

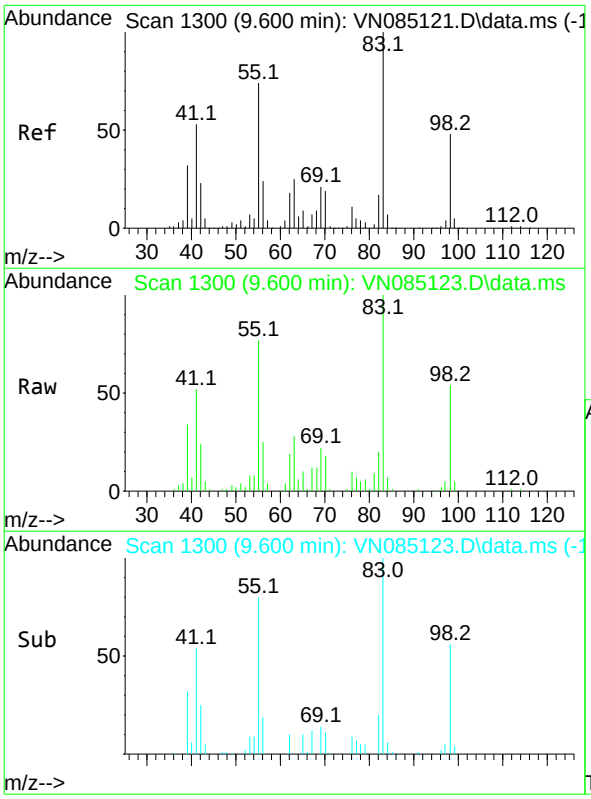
Ion	Ratio	Lower	Upper
130	100		
95	103.2	76.2	114.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

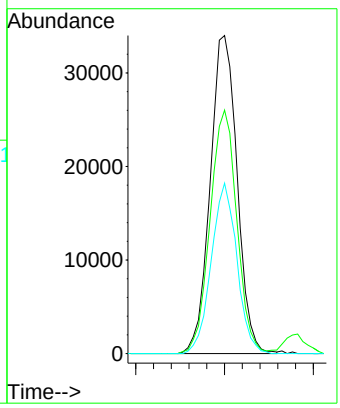
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

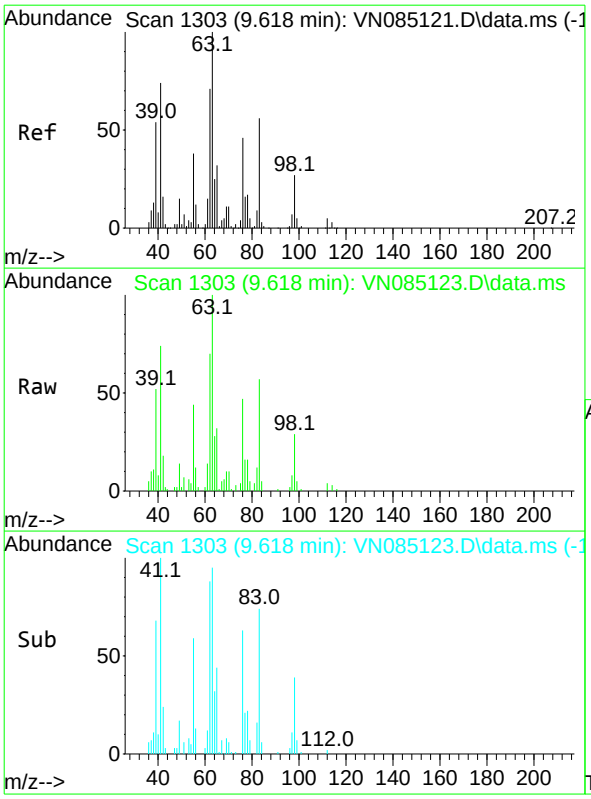


#38
Methylcyclohexane
Concen: 22.020 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 83 Resp: 71750

Ion	Ratio	Lower	Upper
83	100		
55	76.0	41.4	124.4
98	50.9	25.7	77.1

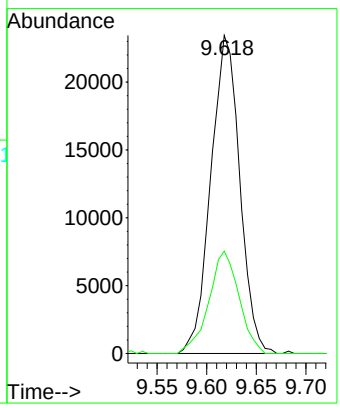




#39
1,2-Dichloropropane
Concen: 20.867 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 63 Resp: 47583

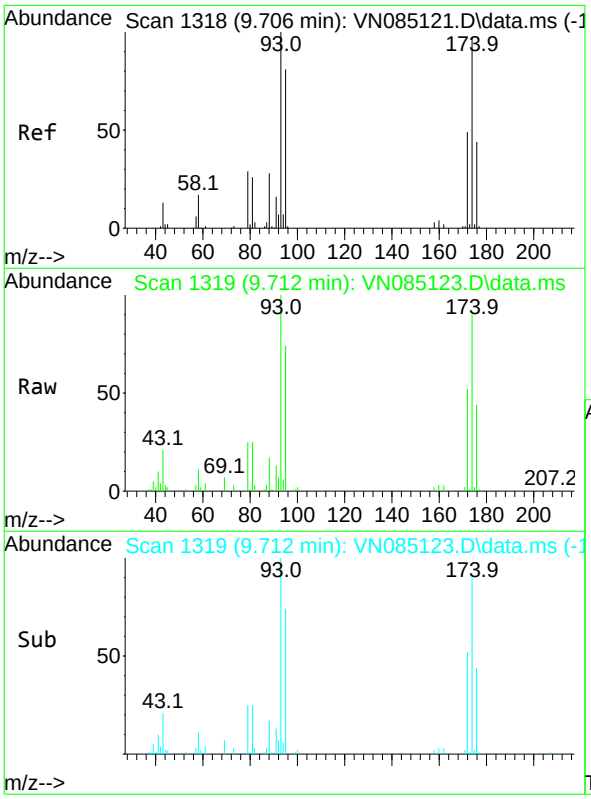
Ion	Ratio	Lower	Upper
63	100		
65	32.2	23.4	35.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

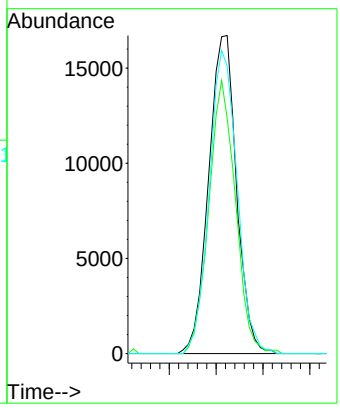
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

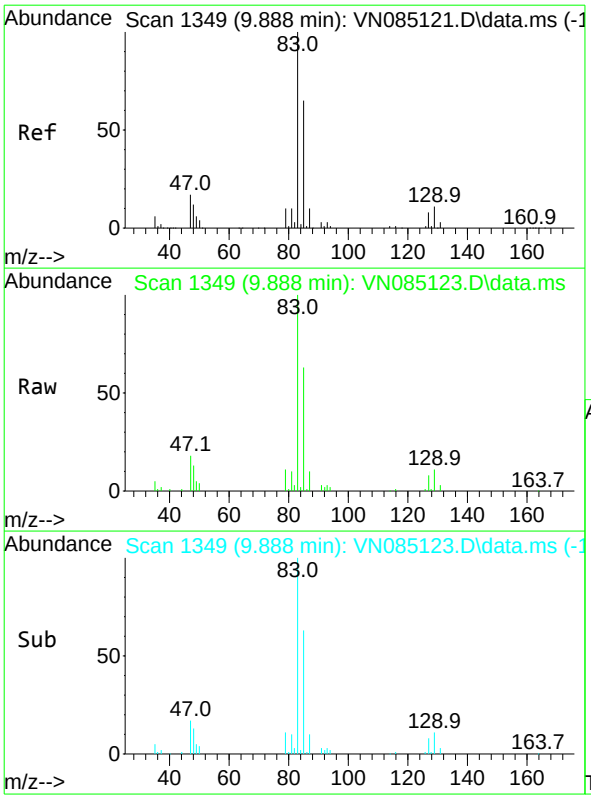


#40
Dibromomethane
Concen: 21.127 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 93 Resp: 34556

Ion	Ratio	Lower	Upper
93	100		
95	81.6	0.0	169.4
174	95.0	0.0	189.8

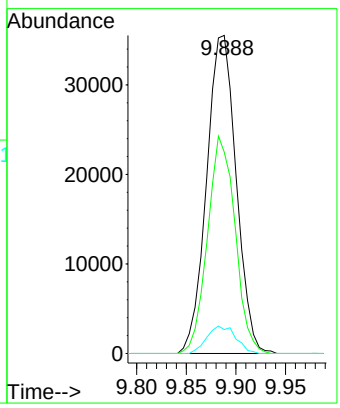




#41
Bromodichloromethane
Concen: 21.117 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 83 Resp: 73839

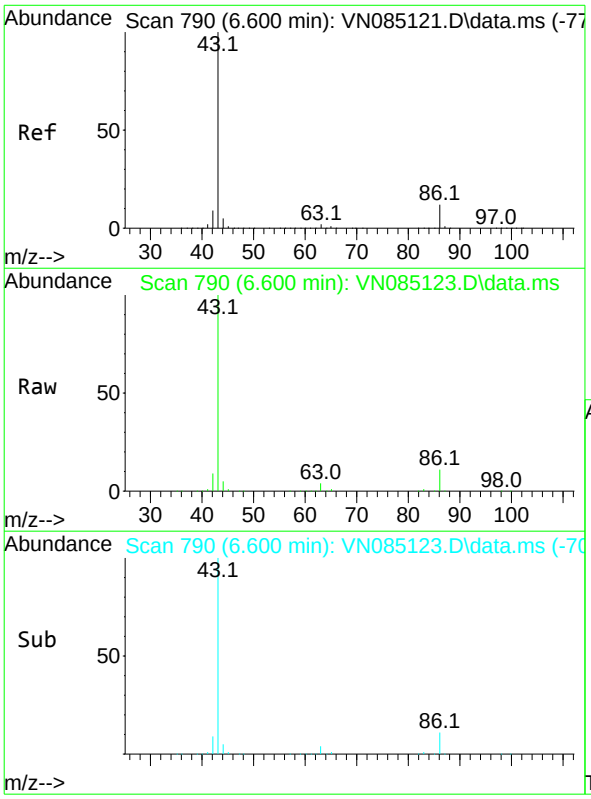
Ion	Ratio	Lower	Upper
83	100		
85	63.3	54.6	81.8
127	7.5	7.0	10.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

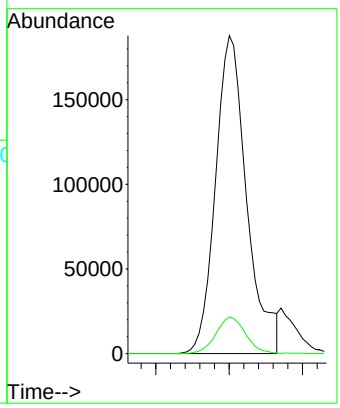
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

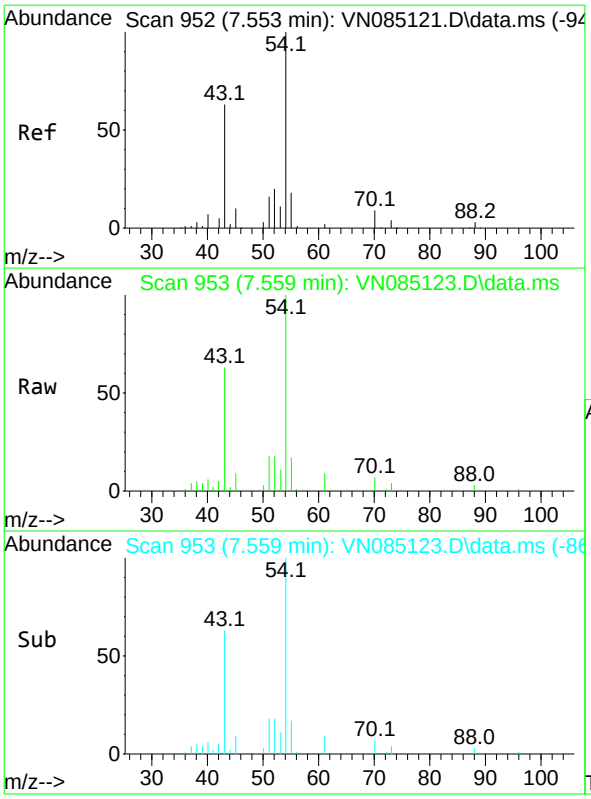


#42
Vinyl Acetate
Concen: 115.256 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 43 Resp: 554646

Ion	Ratio	Lower	Upper
43	100		
86	10.9	9.2	13.8

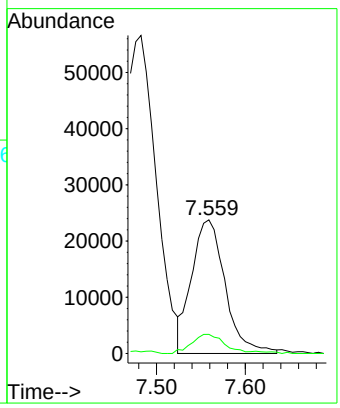




#43
Ethyl Acetate
Concen: 22.807 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 43 Resp: 62407

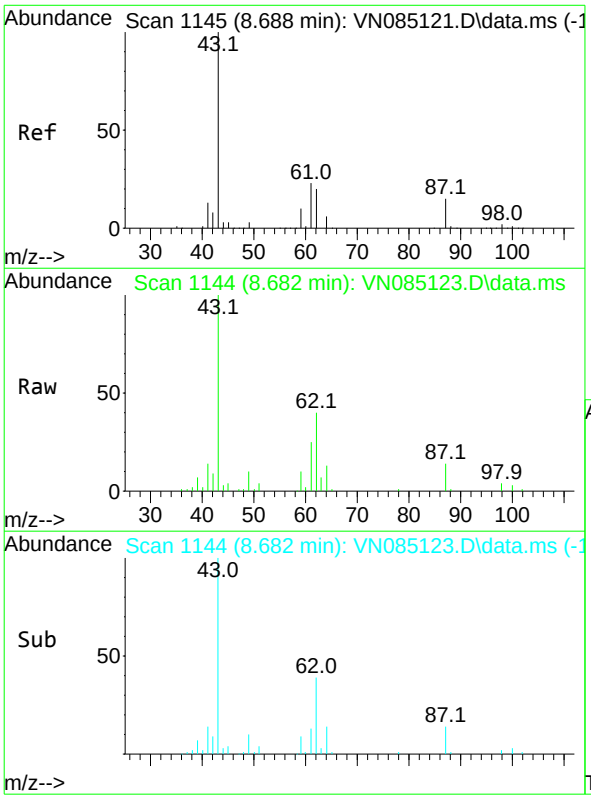
Ion	Ratio	Lower	Upper
43	100		
45	13.7	13.3	19.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

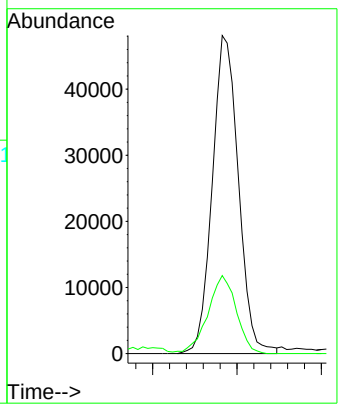
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

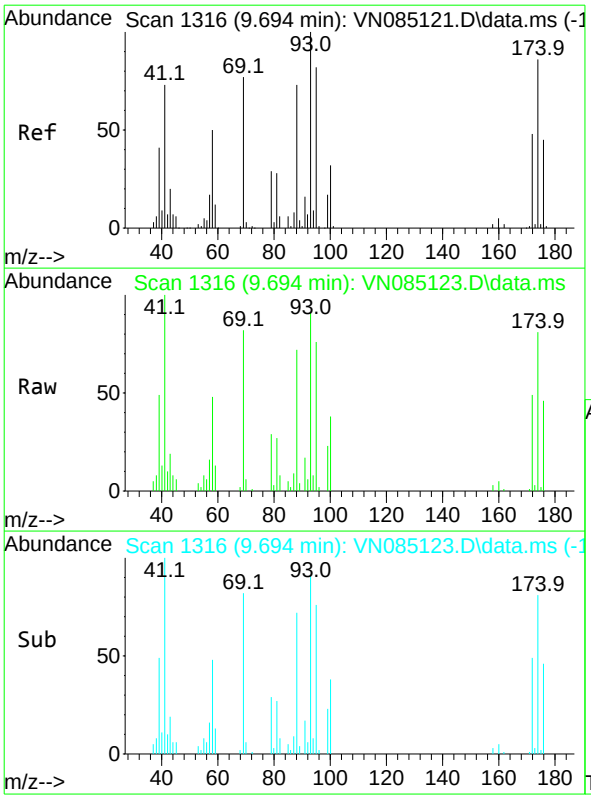


#44
Isopropyl Acetate
Concen: 21.770 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 43 Resp: 103521

Ion	Ratio	Lower	Upper
43	100		
61	26.8	21.5	32.3





#45
1,4-Dioxane
Concen: 437.438 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

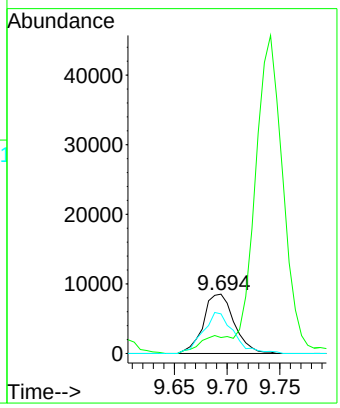
Tgt Ion: 88 Resp: 17346

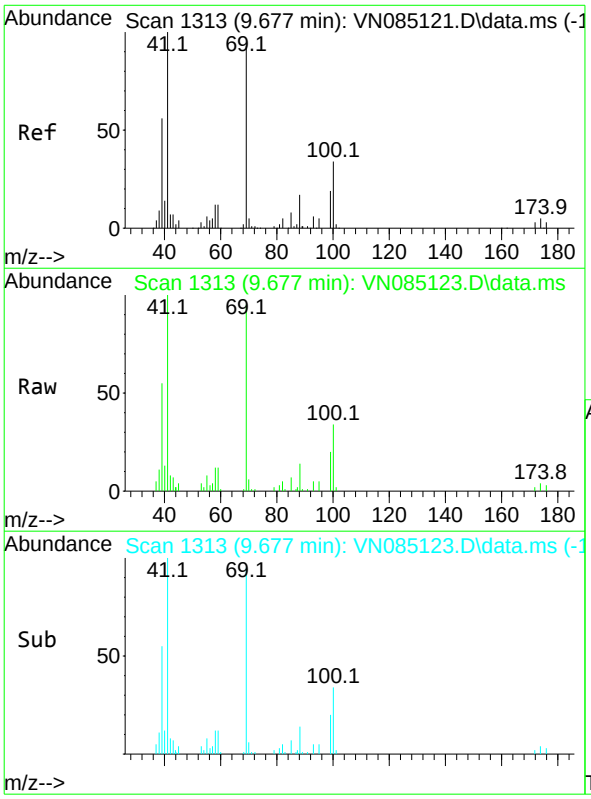
Ion	Ratio	Lower	Upper
88	100		
43	31.7	21.7	32.5
58	67.5	52.6	79.0

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
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Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

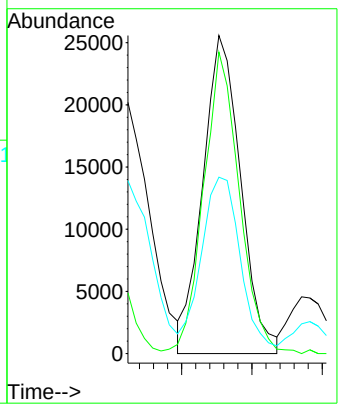


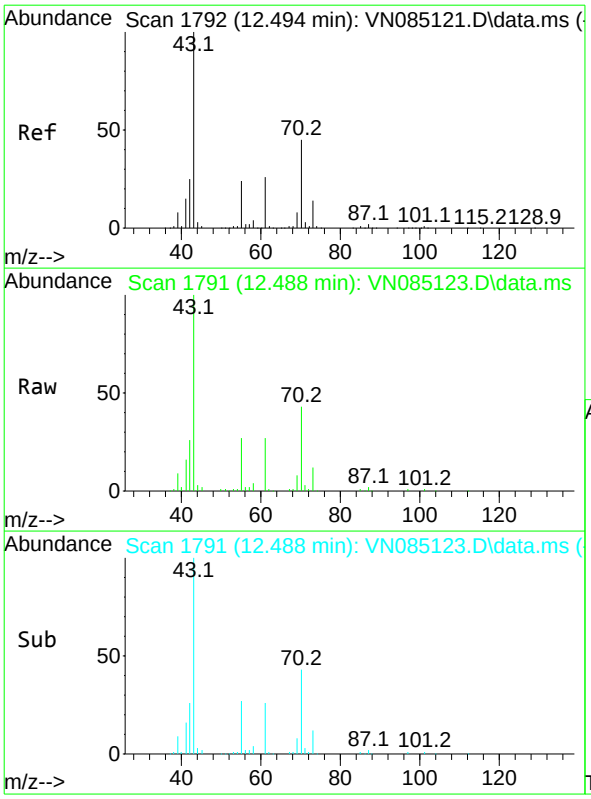


#46
Methyl methacrylate
Concen: 21.989 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 41 Resp: 47854

Ion	Ratio	Lower	Upper
41	100		
69	98.5	46.7	140.0
39	56.0	28.5	85.5

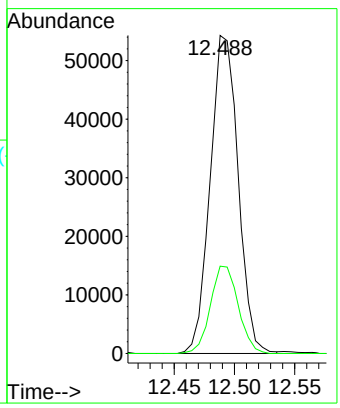




#47
n-amyl Acetate
Concen: 21.920 ug/l
RT: 12.488 min Scan# 17
Delta R.T. -0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 43 Resp: 87700

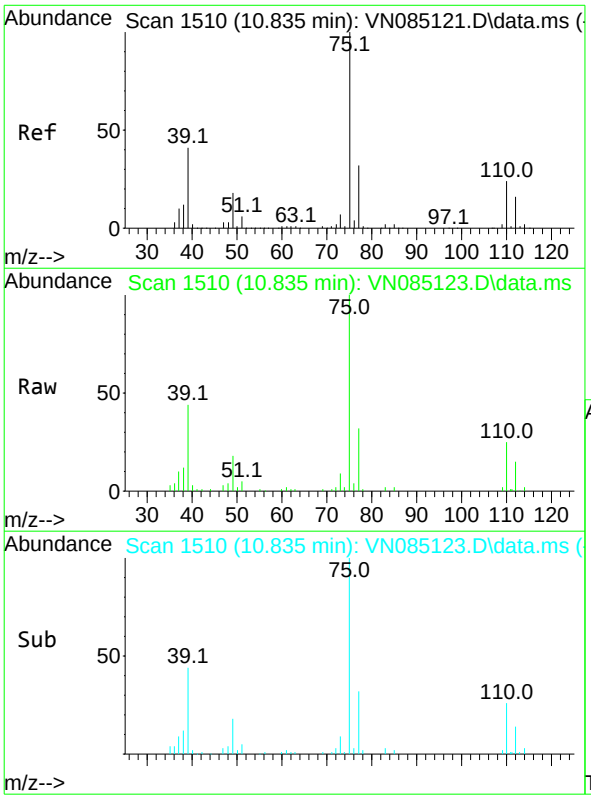
Ion	Ratio	Lower	Upper
43	100		
55	27.3	23.3	34.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
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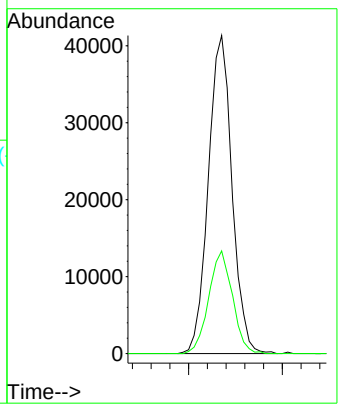
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

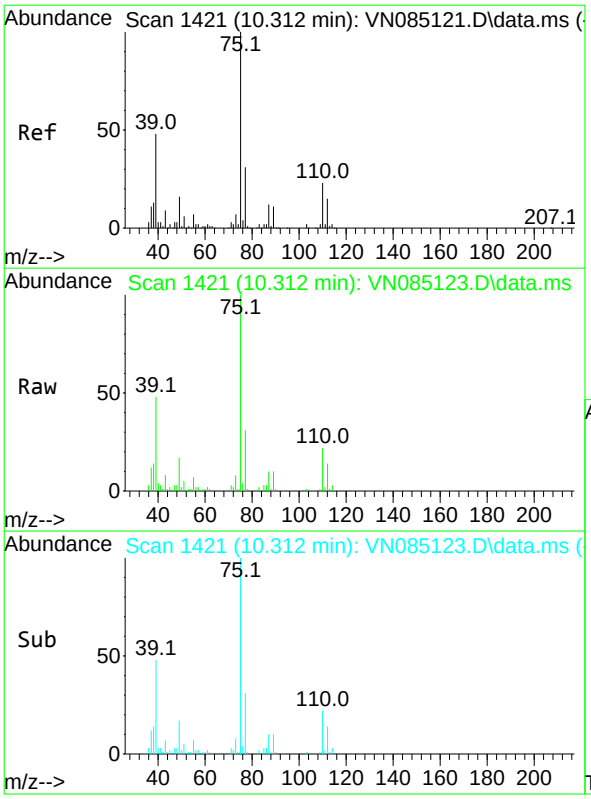


#48
t-1,3-Dichloropropene
Concen: 21.161 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 75 Resp: 72633

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.5	38.3

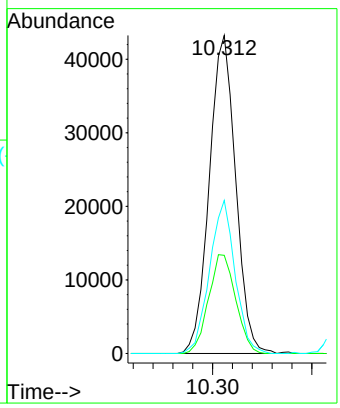




#49
cis-1,3-Dichloropropene
Concen: 21.333 ug/l
RT: 10.312 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 75 Resp: 79711

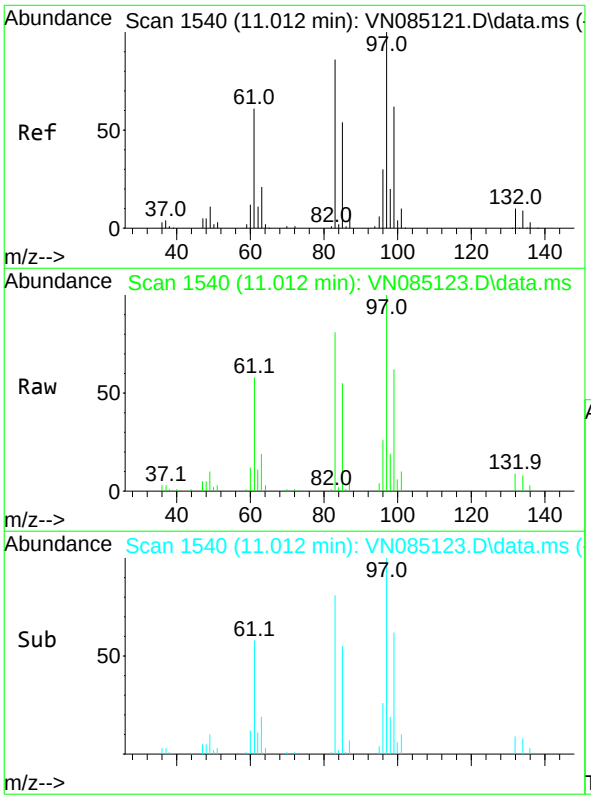
Ion	Ratio	Lower	Upper
75	100		
77	30.9	23.8	35.6
39	48.1	37.3	55.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

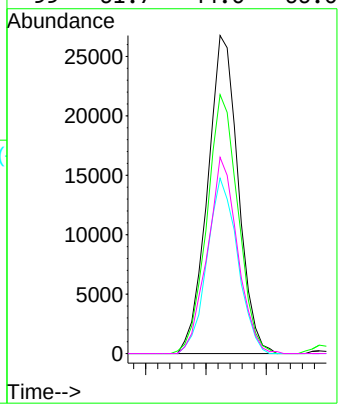
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

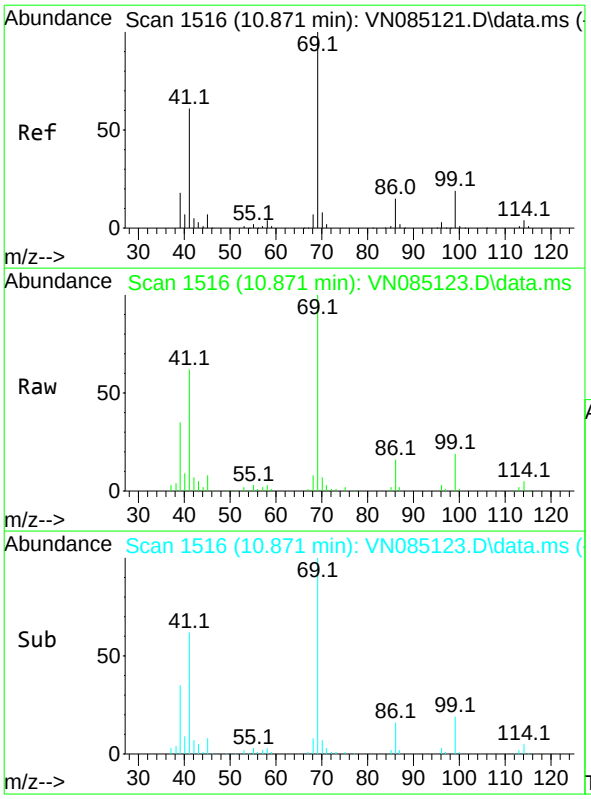


#50
1,1,2-Trichloroethane
Concen: 21.441 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 97 Resp: 47258

Ion	Ratio	Lower	Upper
97	100		
83	81.4	65.8	98.8
85	55.1	40.8	61.2
99	61.7	44.0	66.0

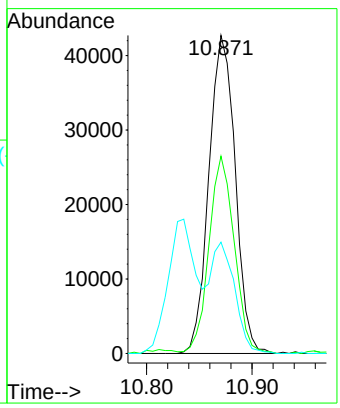




#51
Ethyl methacrylate
Concen: 22.113 ug/l
RT: 10.871 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 69 Resp: 74129

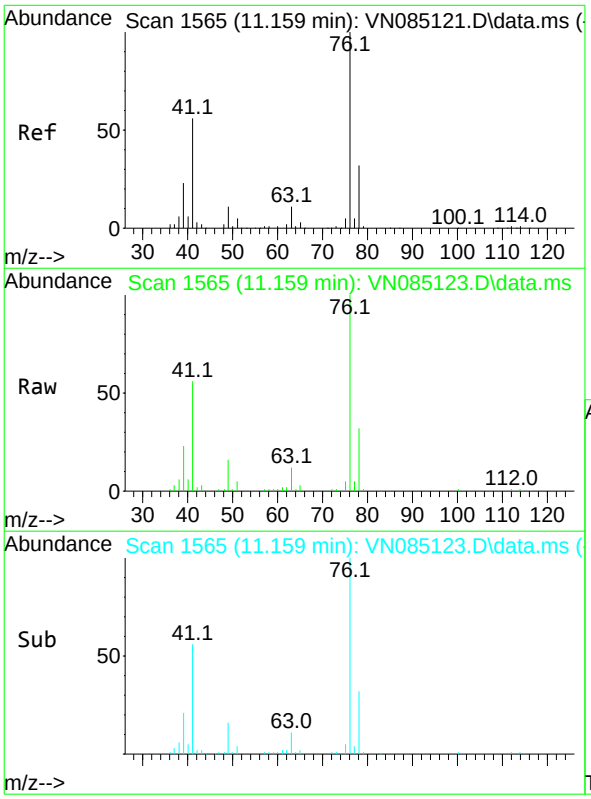
Ion	Ratio	Lower	Upper
69	100		
41	62.0	32.1	96.3
39	35.0	18.8	56.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

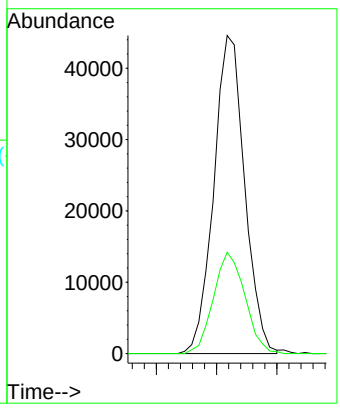
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

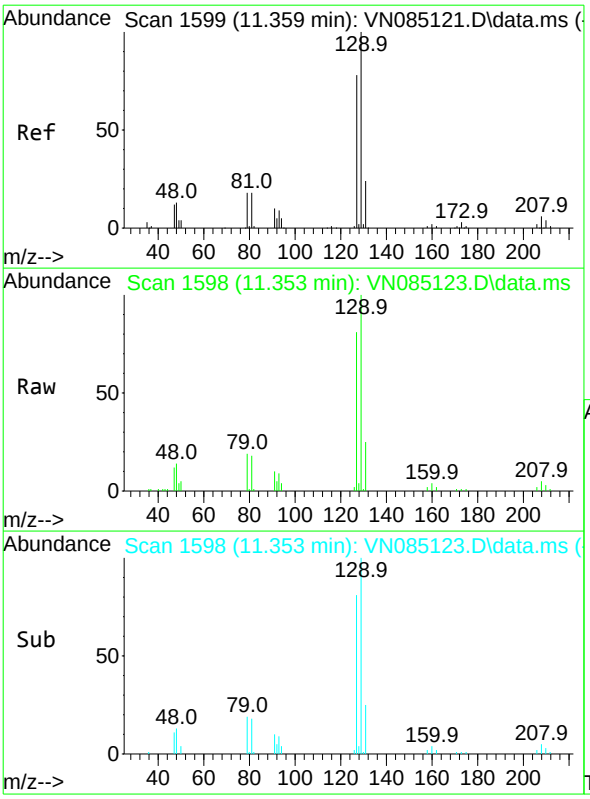


#52
1,3-Dichloropropane
Concen: 21.486 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 76 Resp: 79252

Ion	Ratio	Lower	Upper
76	100		
78	32.5	0.0	65.6

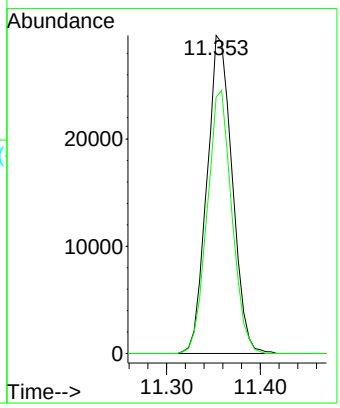




#53
Dibromochloromethane
Concen: 20.701 ug/l
RT: 11.353 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:129 Resp: 55601

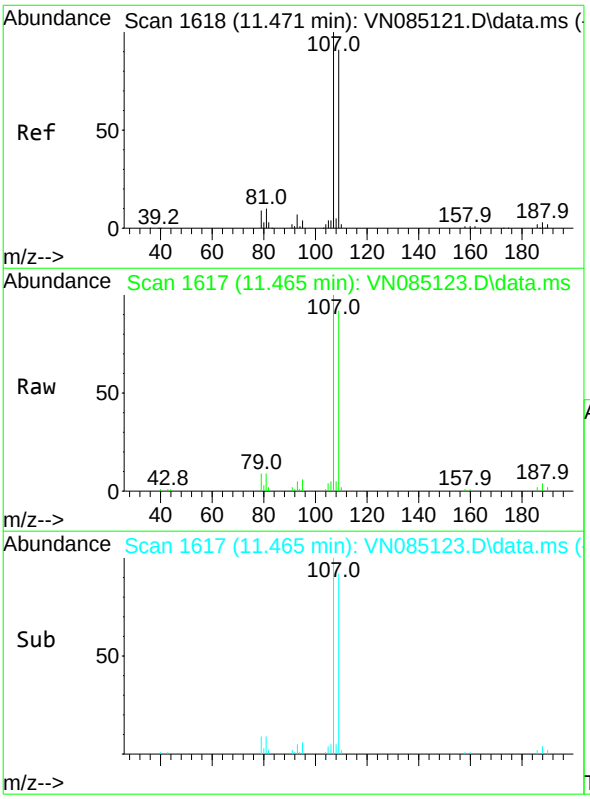
Ion	Ratio	Lower	Upper
129	100		
127	80.6	37.3	111.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

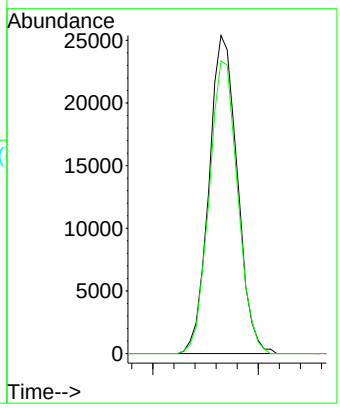
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

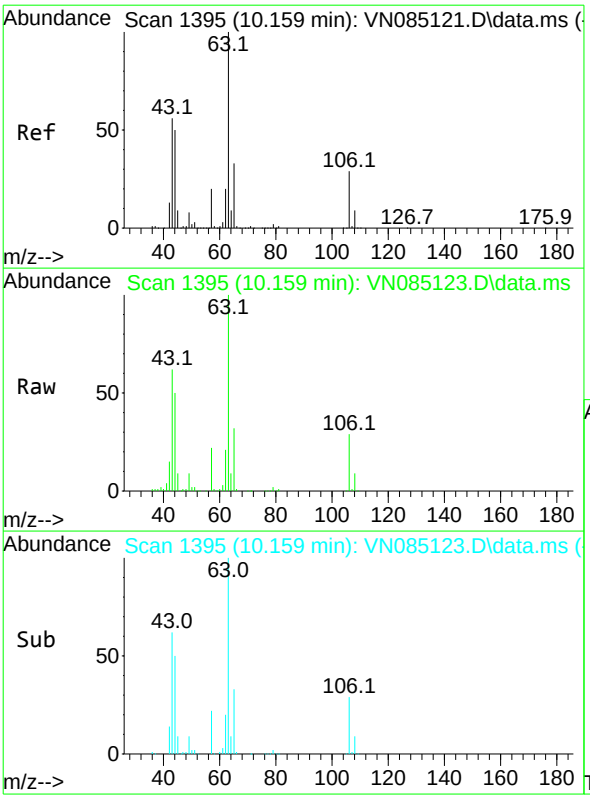


#54
1,2-Dibromoethane
Concen: 21.396 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:107 Resp: 47513

Ion	Ratio	Lower	Upper
107	100		
109	92.7	75.2	112.8

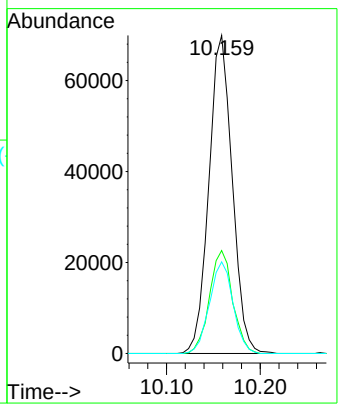




#55
2-Chloroethyl vinyl ether
Concen: 77.670 ug/l
RT: 10.159 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 63 Resp: 120953

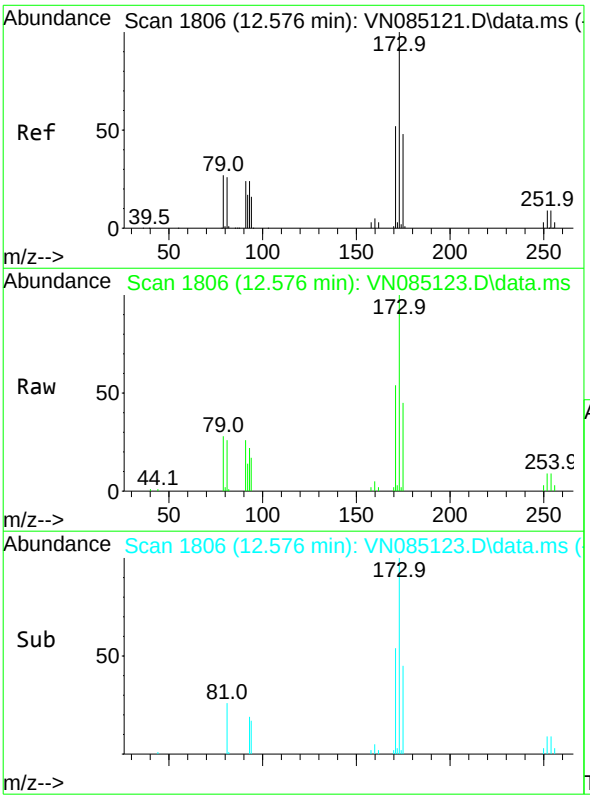
Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.9	38.9
106	29.1	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations APPROVED

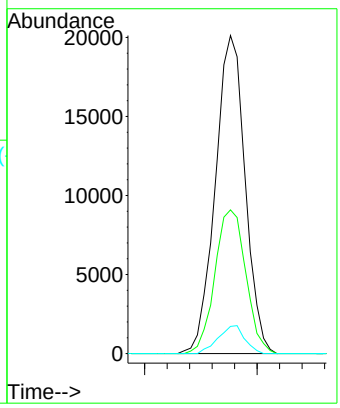
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

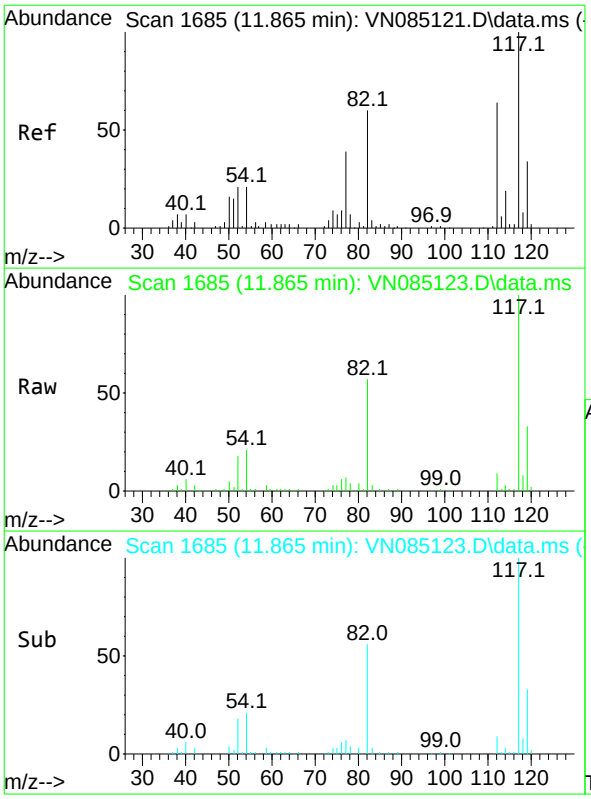


#56
Bromoform
Concen: 20.588 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:173 Resp: 37077

Ion	Ratio	Lower	Upper
173	100		
175	46.8	40.2	60.2
254	7.8	6.2	9.4

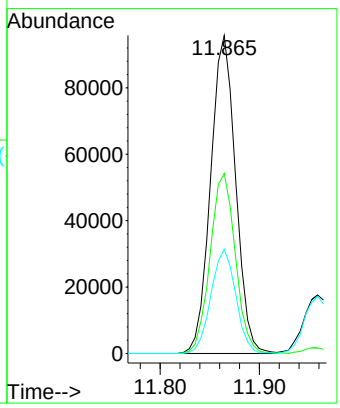




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:117 Resp: 167596

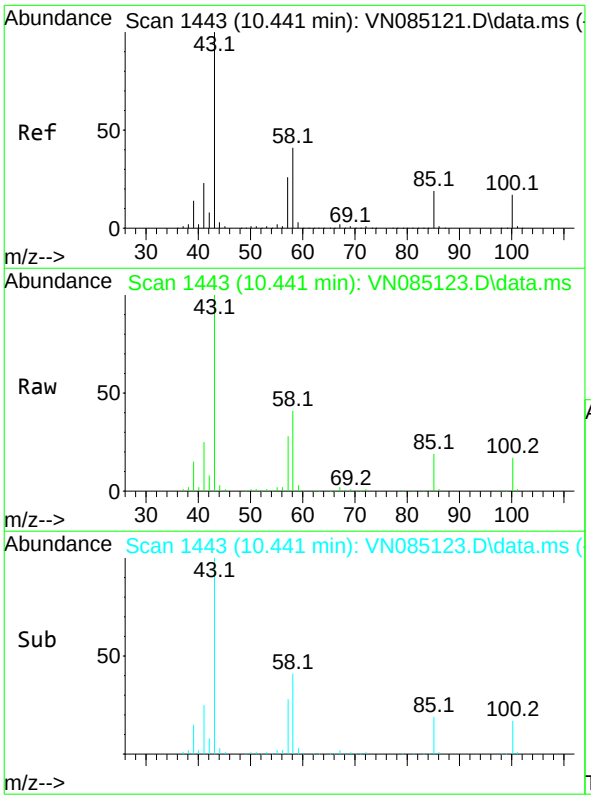
Ion	Ratio	Lower	Upper
117	100		
82	57.1	44.2	66.4
119	32.4	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

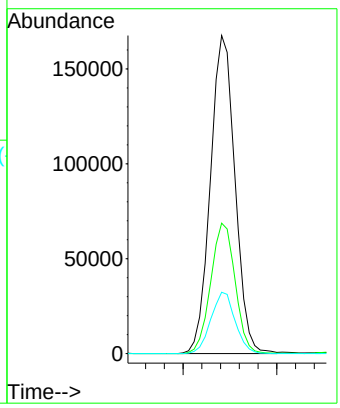
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

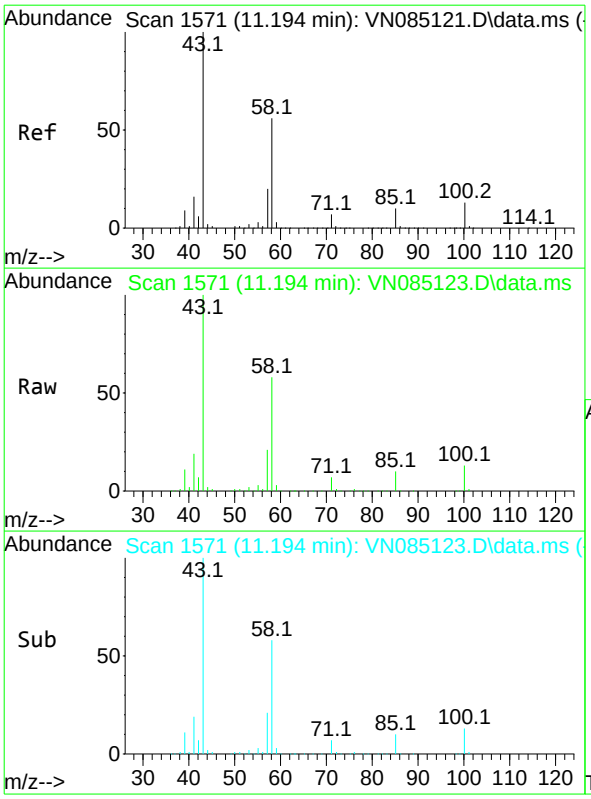


#58
4-Methyl-2-Pentanone
Concen: 111.787 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 43 Resp: 305762

Ion	Ratio	Lower	Upper
43	100		
58	40.7	31.6	47.4
85	19.0	15.0	22.6

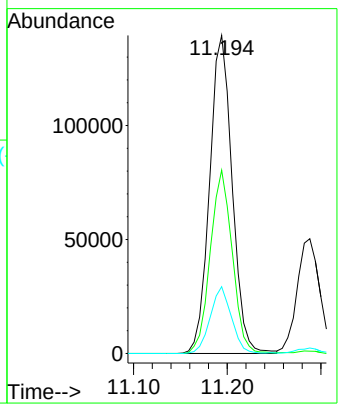




#59
2-Hexanone
Concen: 112.607 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 43 Resp: 233377

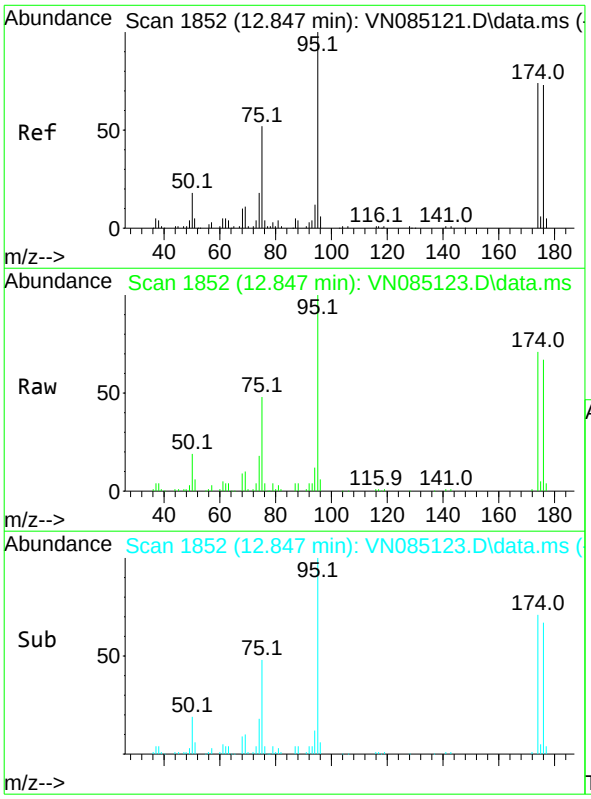
Ion	Ratio	Lower	Upper
43	100		
58	56.1	43.6	65.4
57	19.8	15.4	23.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

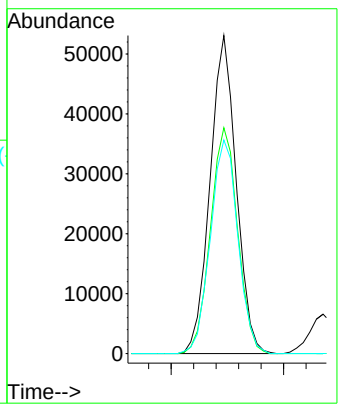
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

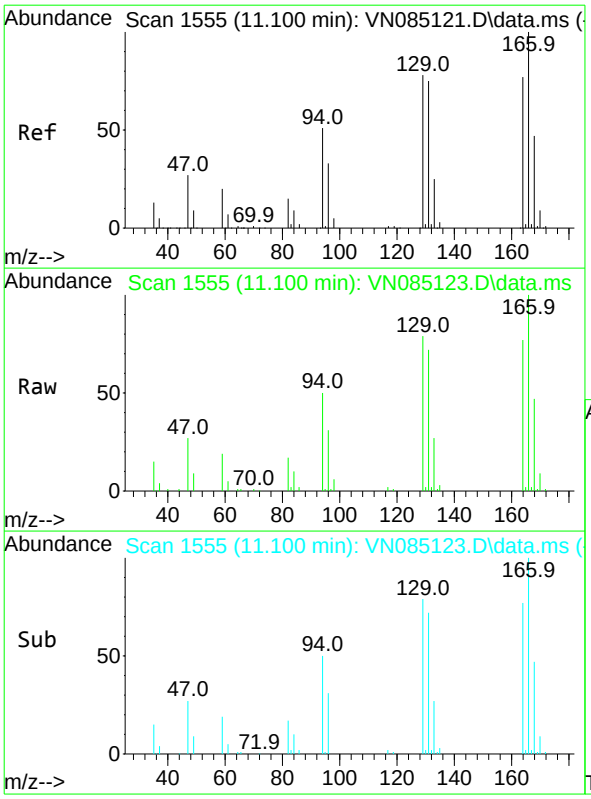


#60
4-Bromofluorobenzene
Concen: 30.966 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 95 Resp: 85871

Ion	Ratio	Lower	Upper
95	100		
174	73.6	60.3	90.5
176	70.5	57.4	86.0

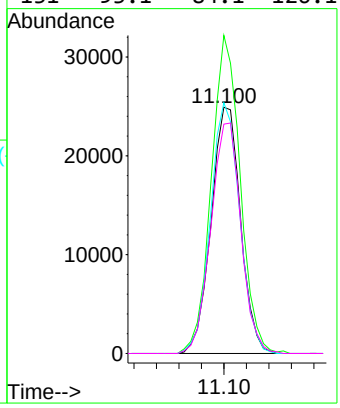




#61
Tetrachloroethene
Concen: 22.294 ug/l
RT: 11.100 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:164 Resp: 45248

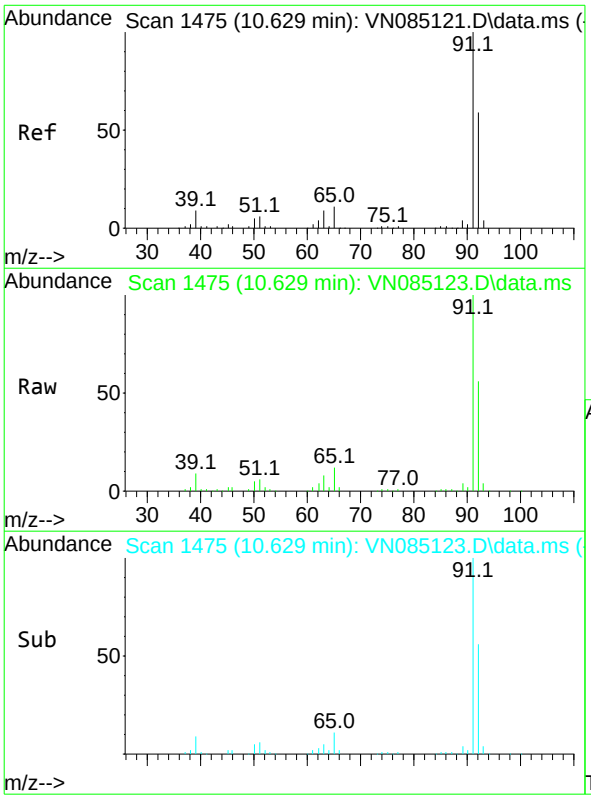
Ion	Ratio	Lower	Upper
164	100		
166	129.1	103.8	155.8
129	101.8	84.2	126.4
131	93.1	84.1	126.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

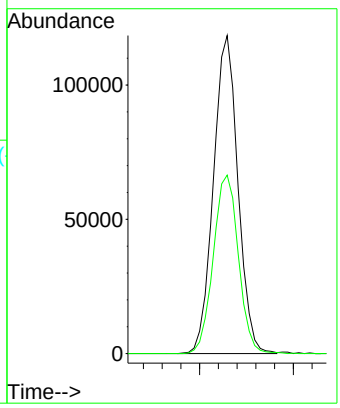
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

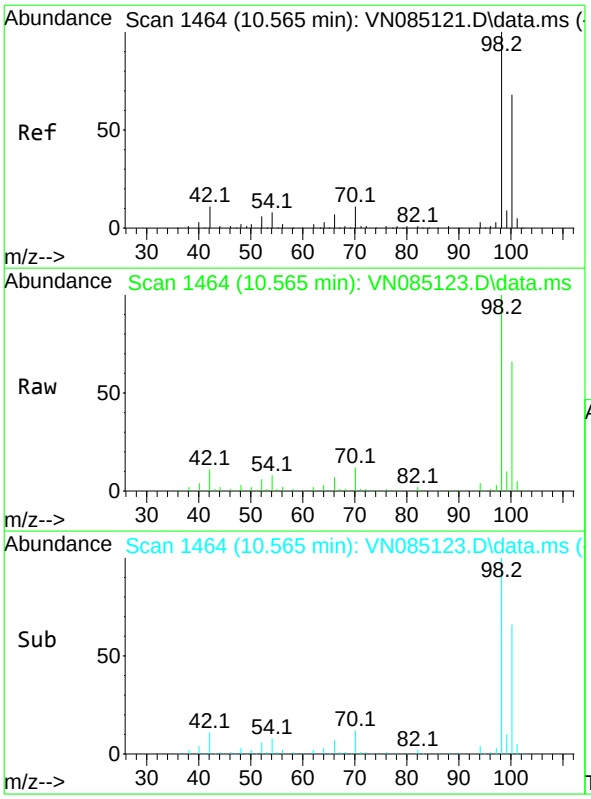


#62
Toluene
Concen: 21.975 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 91 Resp: 214790

Ion	Ratio	Lower	Upper
91	100		
92	57.5	46.5	69.7





#63
Toluene-d8
Concen: 30.323 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

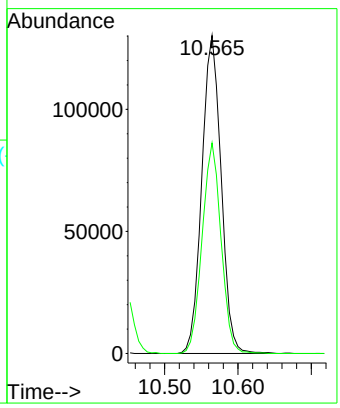
Tgt Ion: 98 Resp: 238389

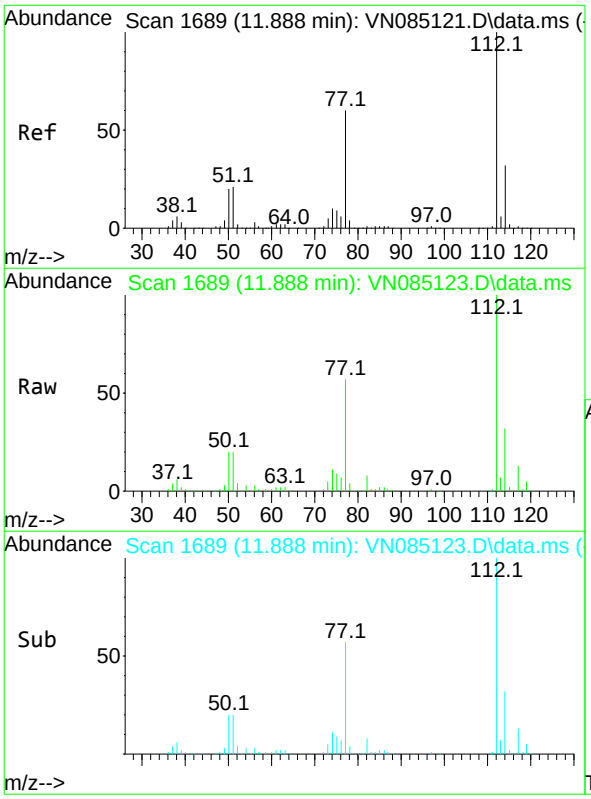
Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.0	78.0

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
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Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

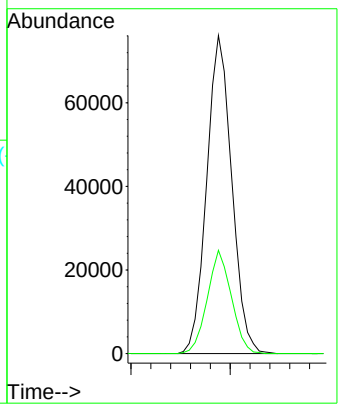


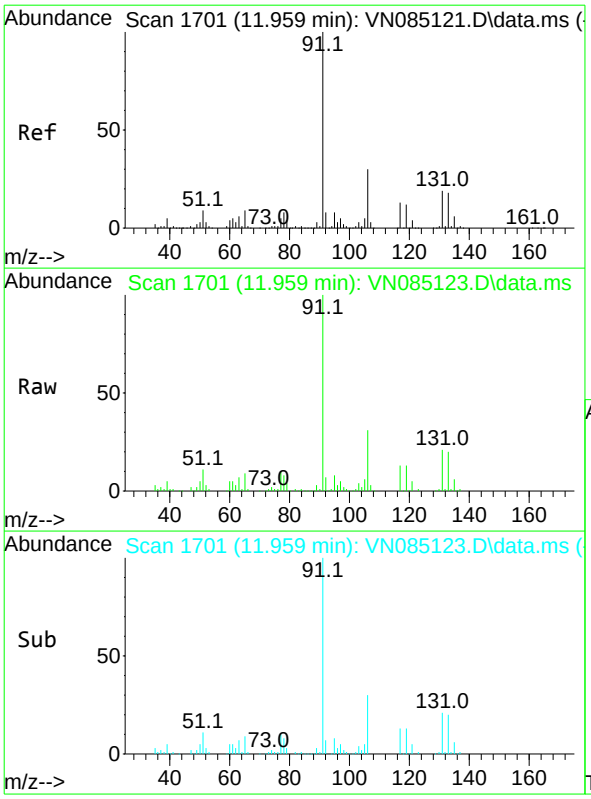


#64
Chlorobenzene
Concen: 22.112 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:112 Resp: 133437

Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0

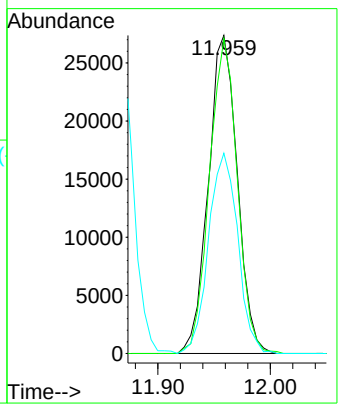




#65
1,1,1,2-Tetrachloroethane
Concen: 21.725 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:131 Resp: 48941

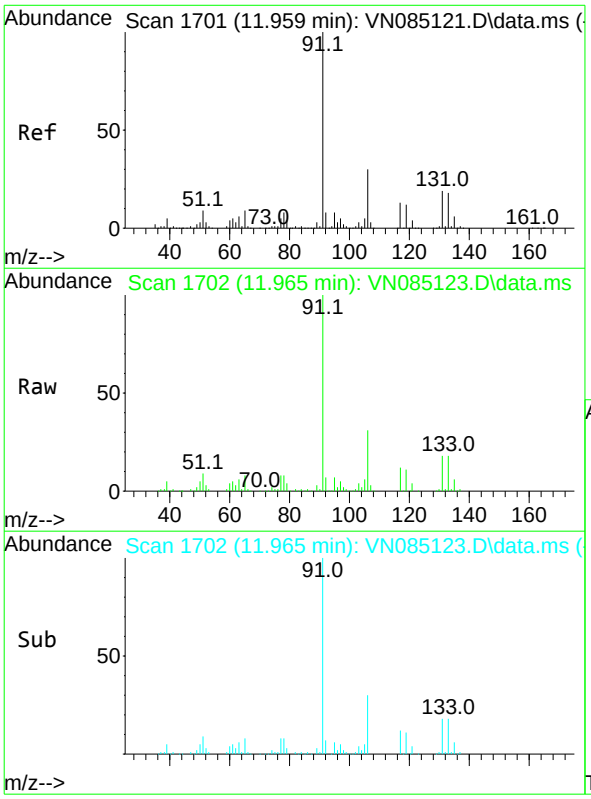
Ion	Ratio	Lower	Upper
131	100		
133	95.2	0.0	194.0
119	63.6	0.0	131.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

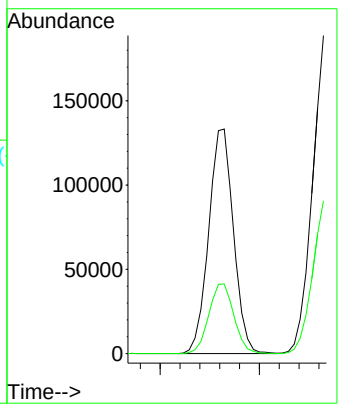
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

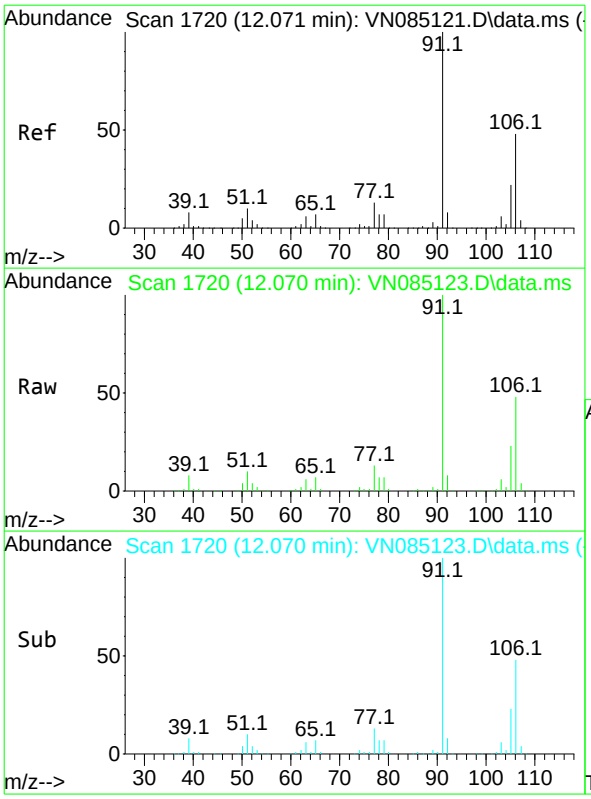


#66
Ethyl Benzene
Concen: 22.300 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 91 Resp: 231289

Ion	Ratio	Lower	Upper
91	100		
106	31.0	23.1	34.7

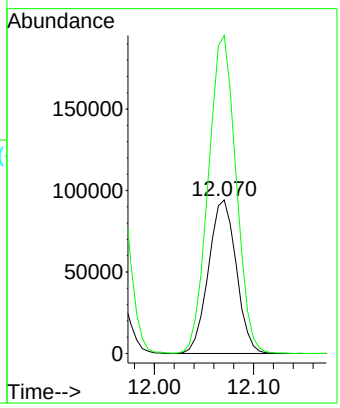




#67
m/p-Xylenes
Concen: 45.872 ug/l
RT: 12.070 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:106 Resp: 182990

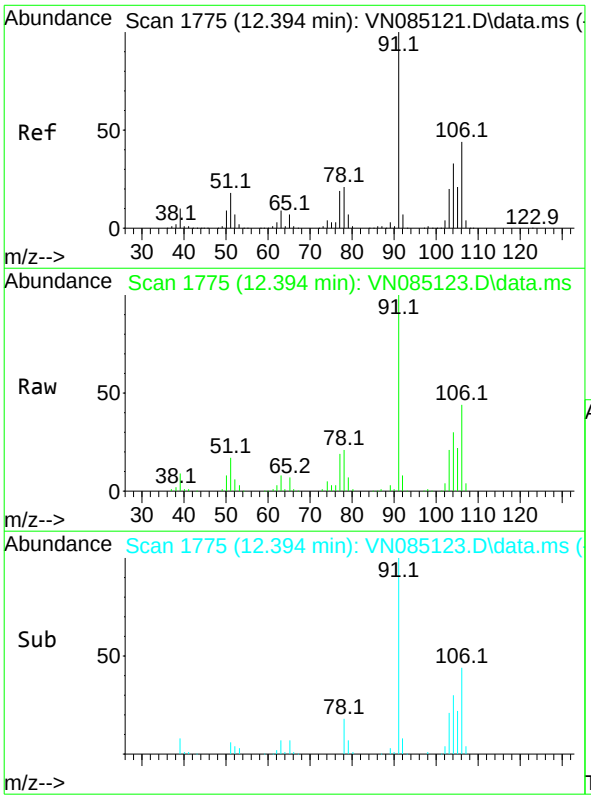
Ion	Ratio	Lower	Upper
106	100		
91	207.4	165.0	247.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
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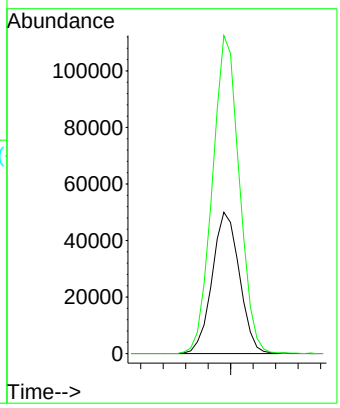
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

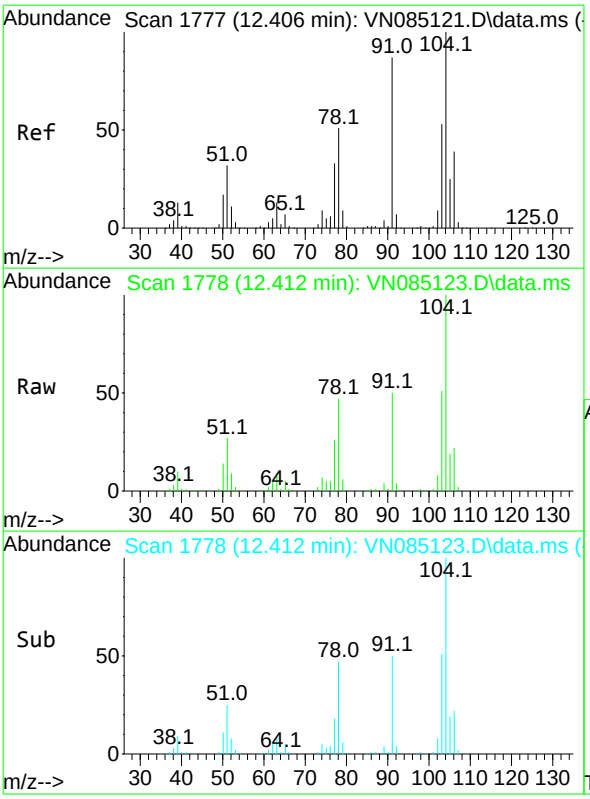


#68
o-Xylene
Concen: 22.492 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:106 Resp: 84266

Ion	Ratio	Lower	Upper
106	100		
91	222.2	112.1	336.4

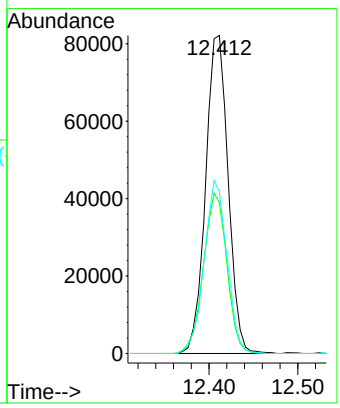




#69
Styrene
Concen: 22.822 ug/l
RT: 12.412 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:104 Resp: 145082

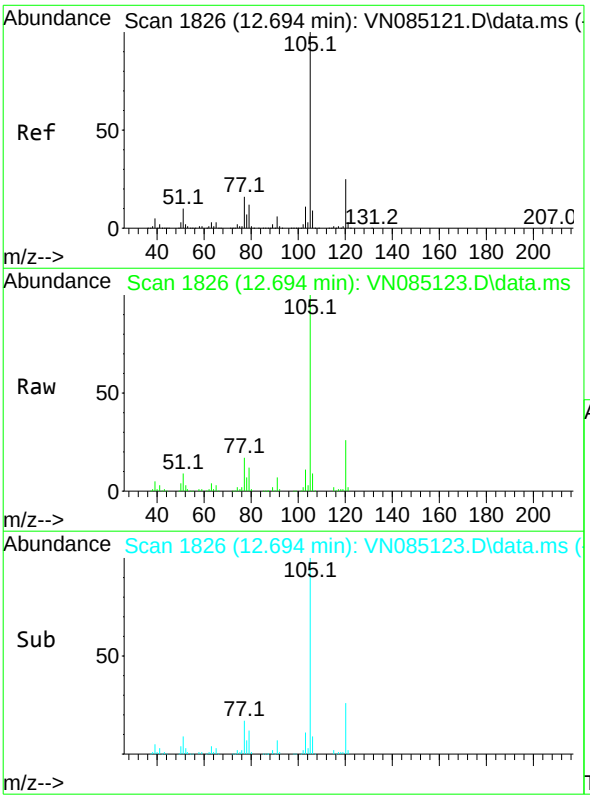
Ion	Ratio	Lower	Upper
104	100		
78	52.2	42.3	63.5
103	55.1	44.4	66.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

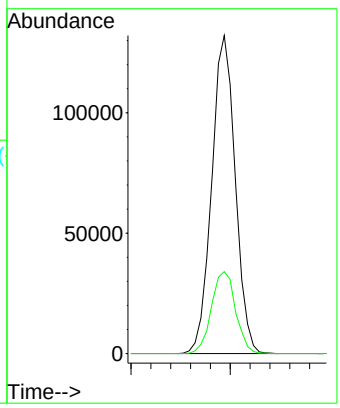
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

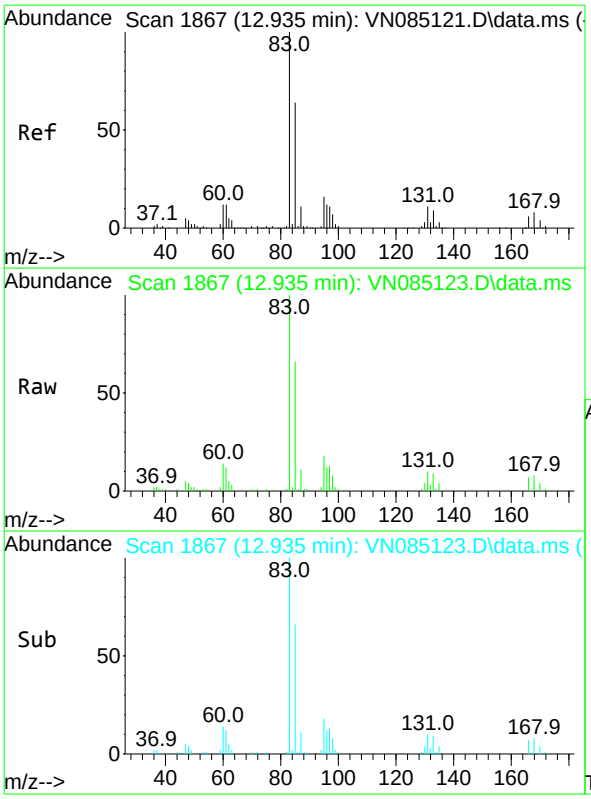


#70
Isopropylbenzene
Concen: 22.540 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:105 Resp: 217804

Ion	Ratio	Lower	Upper
105	100		
120	26.4	18.3	33.9

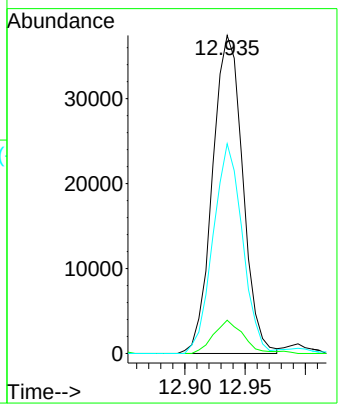




#71
1,1,2,2-Tetrachloroethane
Concen: 22.210 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 83 Resp: 65321

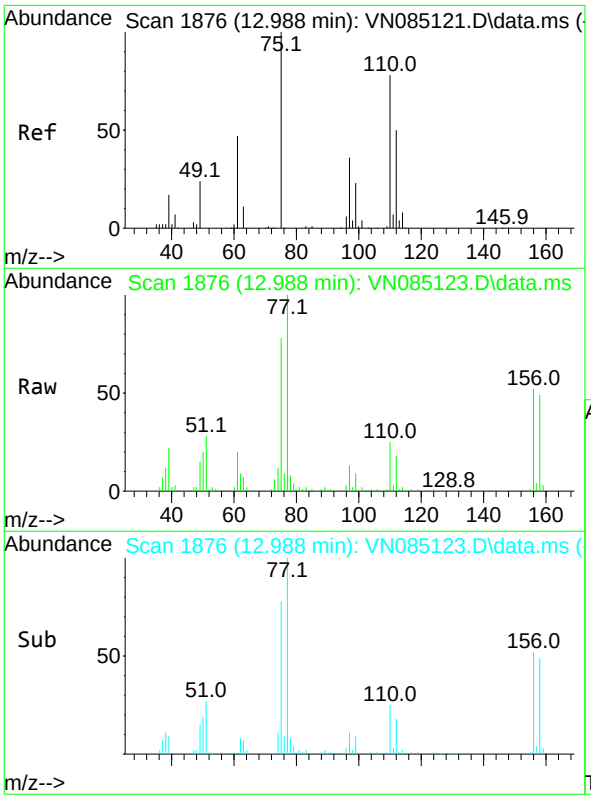
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.3
85	64.0	31.1	93.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

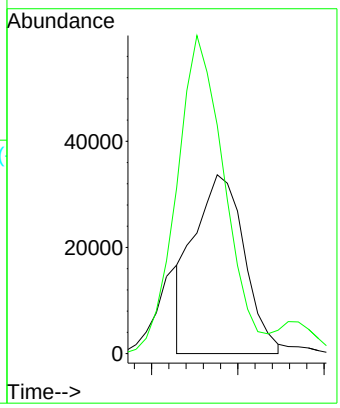
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

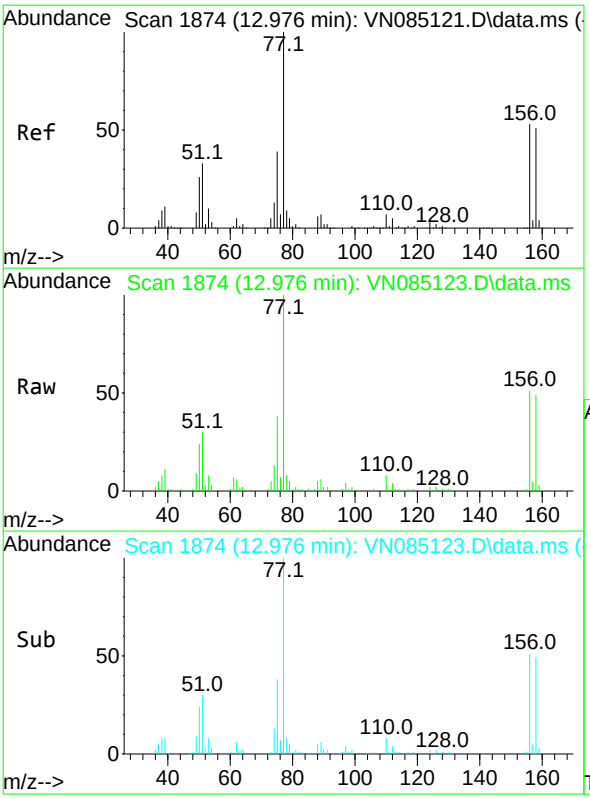


#72
1,2,3-Trichloropropane
Concen: 23.445 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 75 Resp: 68116

Ion	Ratio	Lower	Upper
75	100		
77	169.9	0.0	339.0

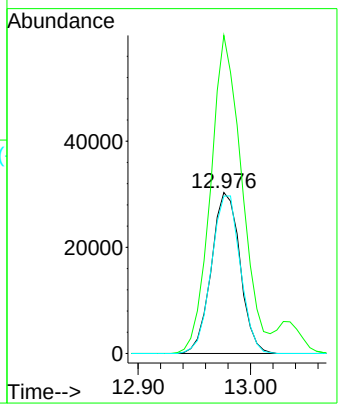




#73
Bromobenzene
Concen: 22.241 ug/l
RT: 12.976 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:156 Resp: 53832

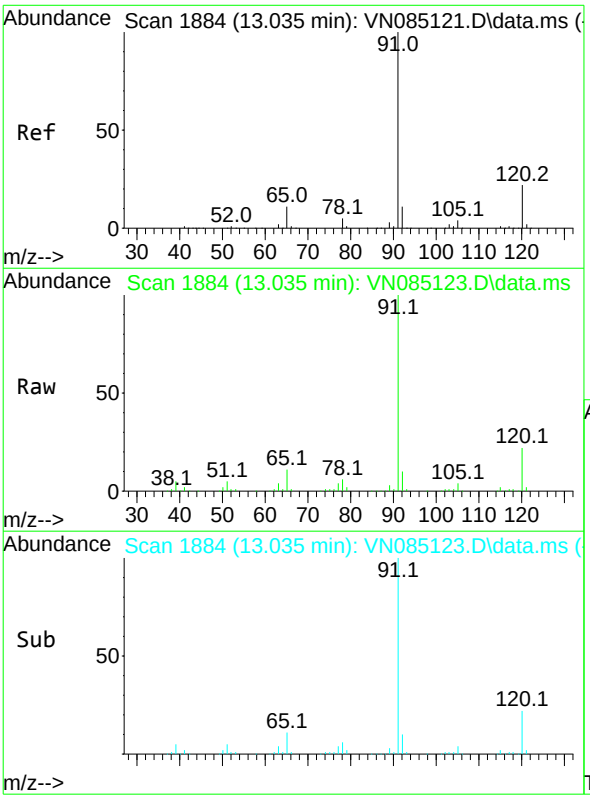
Ion	Ratio	Lower	Upper
156	100		
77	215.0	0.0	430.4
158	99.0	0.0	195.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

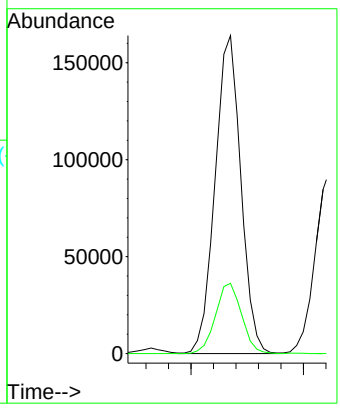
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

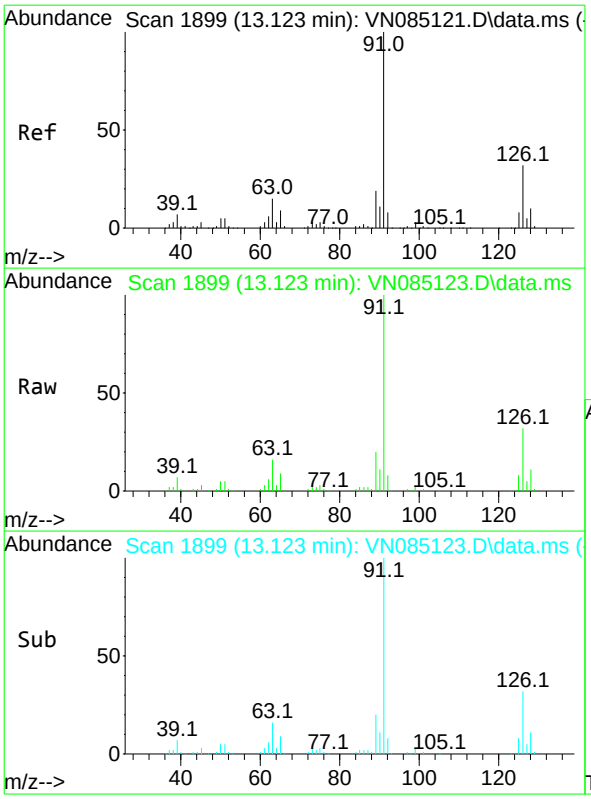


#74
n-propylbenzene
Concen: 22.470 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 91 Resp: 261027

Ion	Ratio	Lower	Upper
91	100		
120	22.3	0.0	44.0

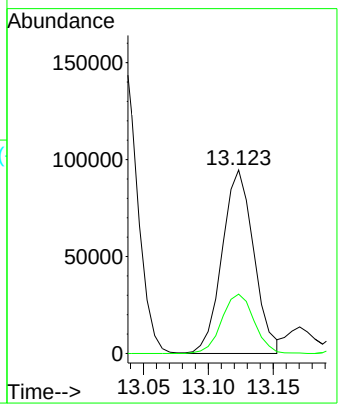




#75
2-Chlorotoluene
Concen: 22.446 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 91 Resp: 161221

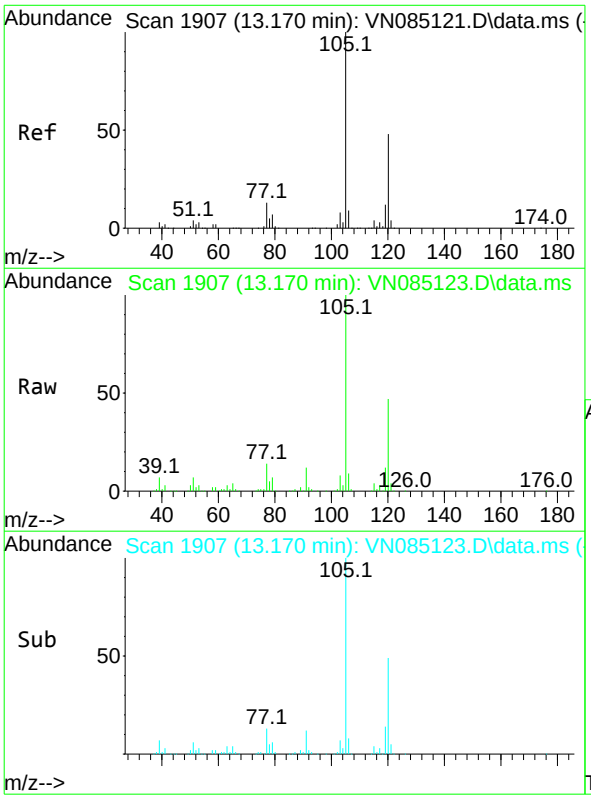
Ion	Ratio	Lower	Upper
91	100		
126	32.9	0.0	64.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

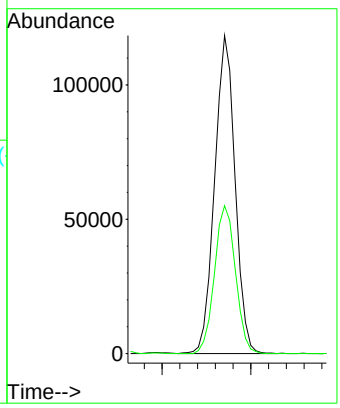
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

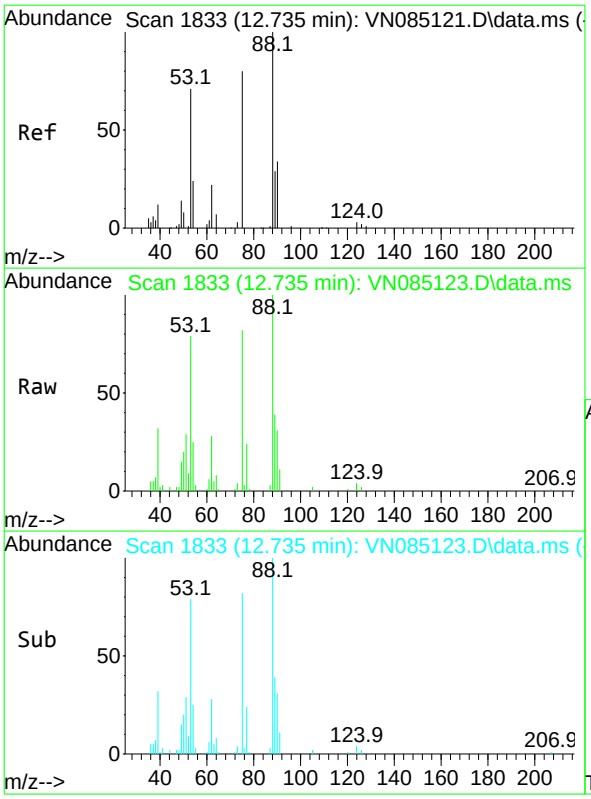


#76
1,3,5-Trimethylbenzene
Concen: 22.843 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:105 Resp: 189105

Ion	Ratio	Lower	Upper
105	100		
120	47.7	0.0	94.4

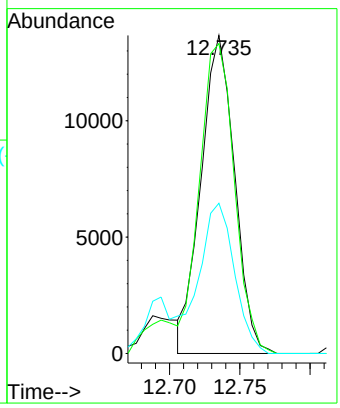




#77
t-1,4-Dichloro-2-butene
Concen: 21.535 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 75 Resp: 22735

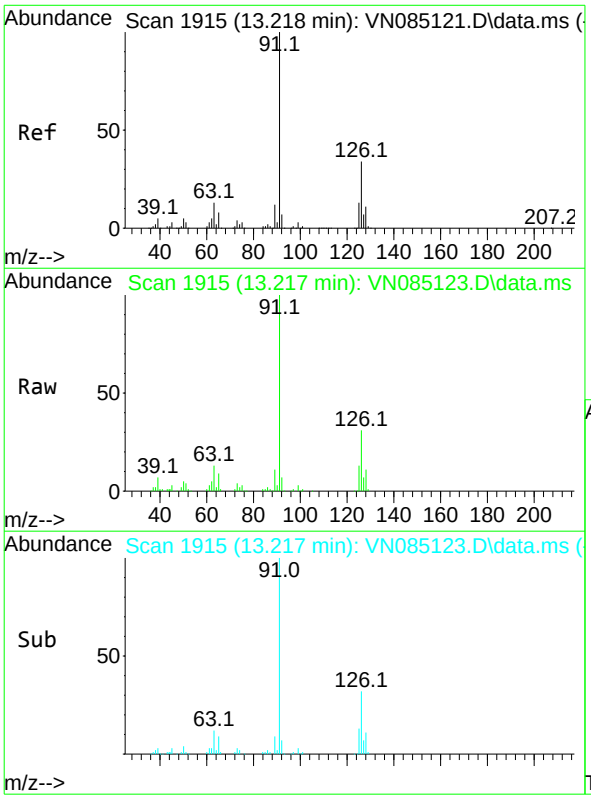
Ion	Ratio	Lower	Upper
75	100		
53	97.4	49.1	147.3
89	47.2	22.9	68.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

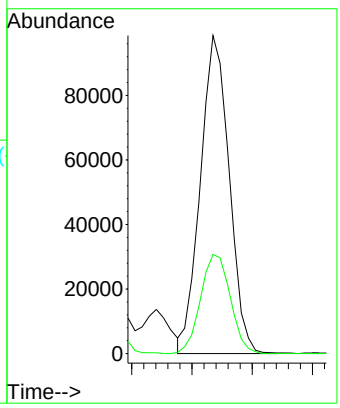
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

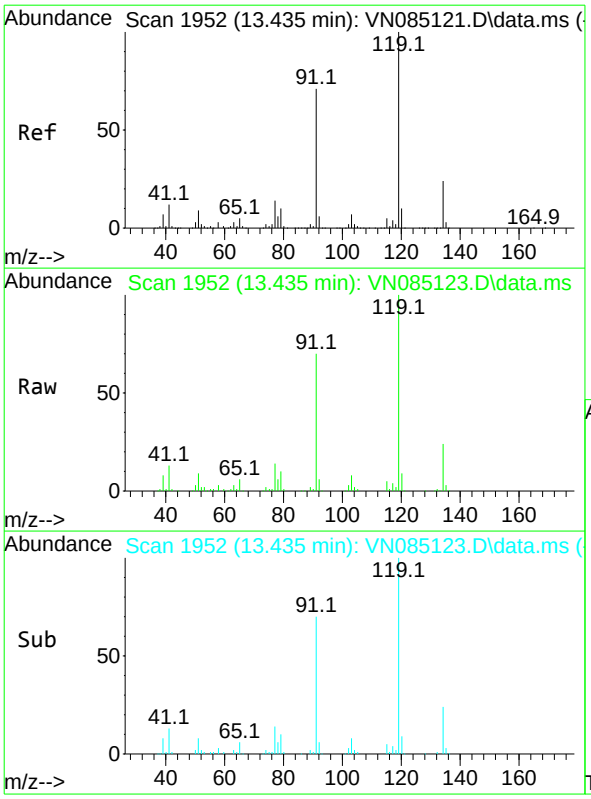


#78
4-Chlorotoluene
Concen: 22.456 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 91 Resp: 163711

Ion	Ratio	Lower	Upper
91	100		
126	32.1	0.0	64.4

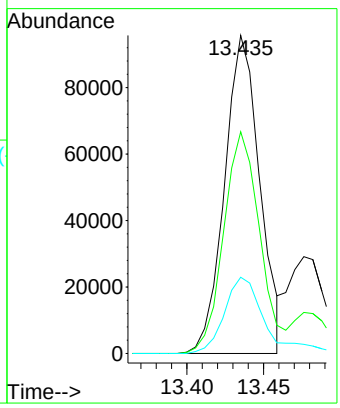




#79
tert-butylbenzene
Concen: 22.471 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:119 Resp: 152793

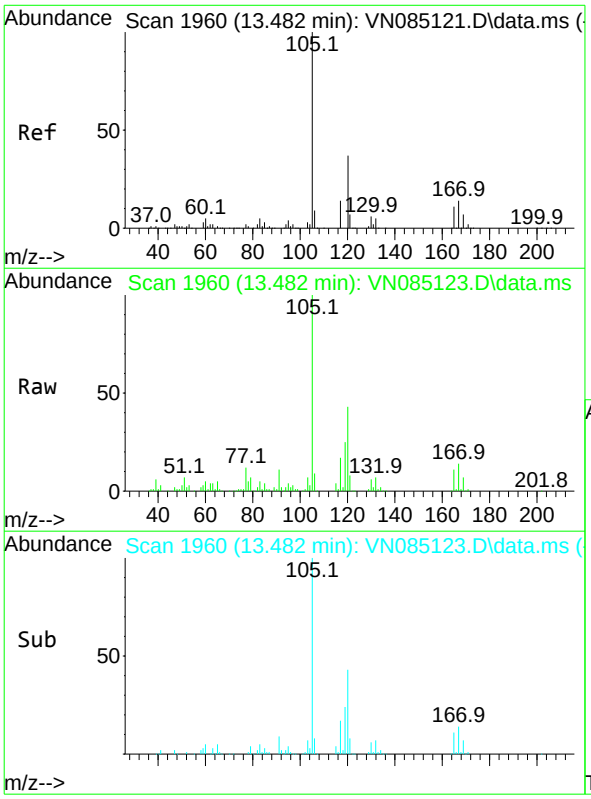
Ion	Ratio	Lower	Upper
119	100		
91	71.6	0.0	139.2
134	25.0	0.0	48.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

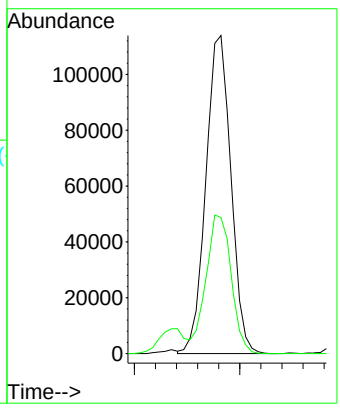
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

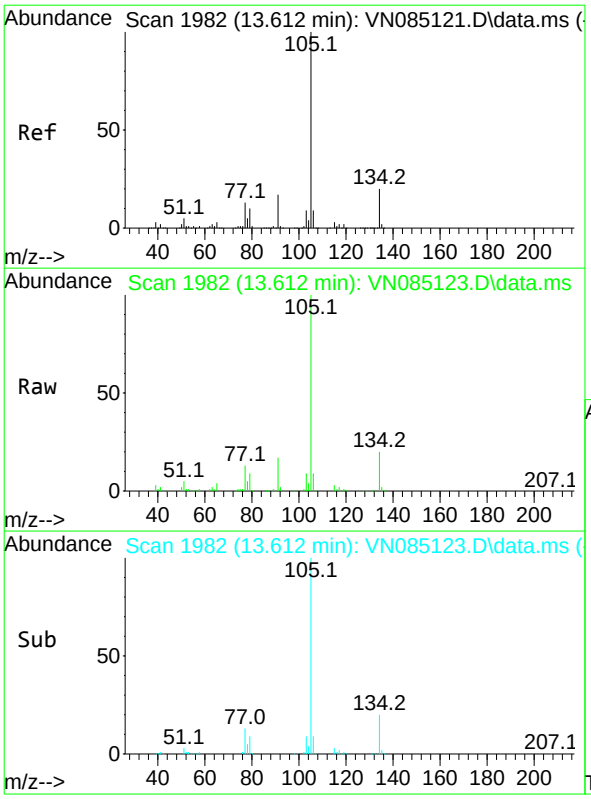


#80
1,2,4-Trimethylbenzene
Concen: 22.992 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:105 Resp: 188016

Ion	Ratio	Lower	Upper
105	100		
120	43.7	0.0	87.4

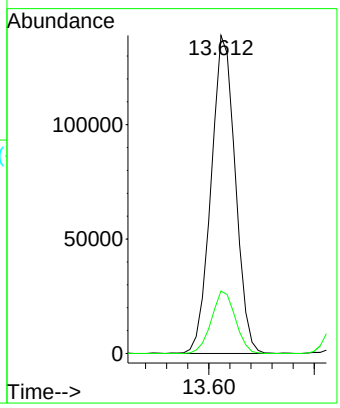




#81
sec-Butylbenzene
Concen: 22.925 ug/l
RT: 13.612 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:105 Resp: 221463

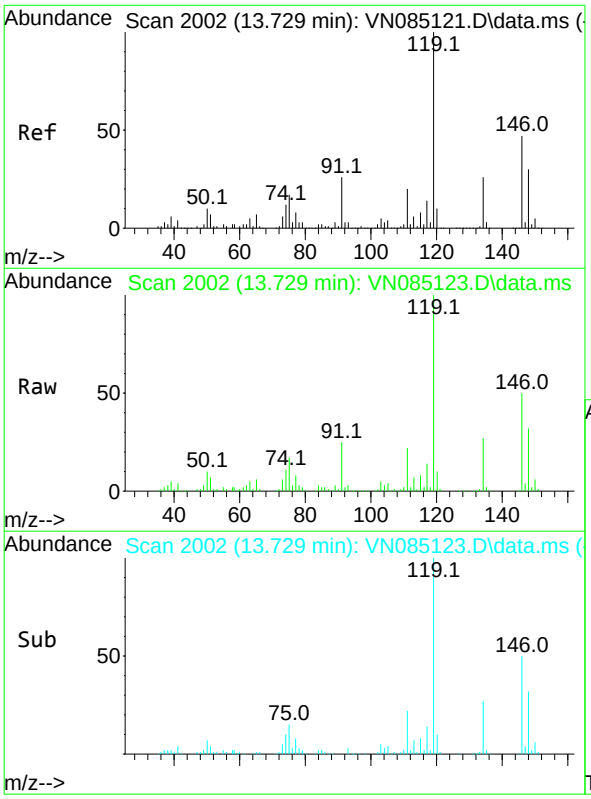
Ion	Ratio	Lower	Upper
105	100		
134	19.4	0.0	38.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

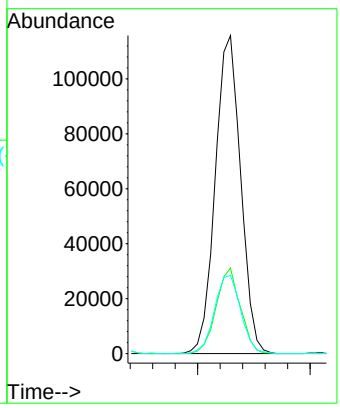
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

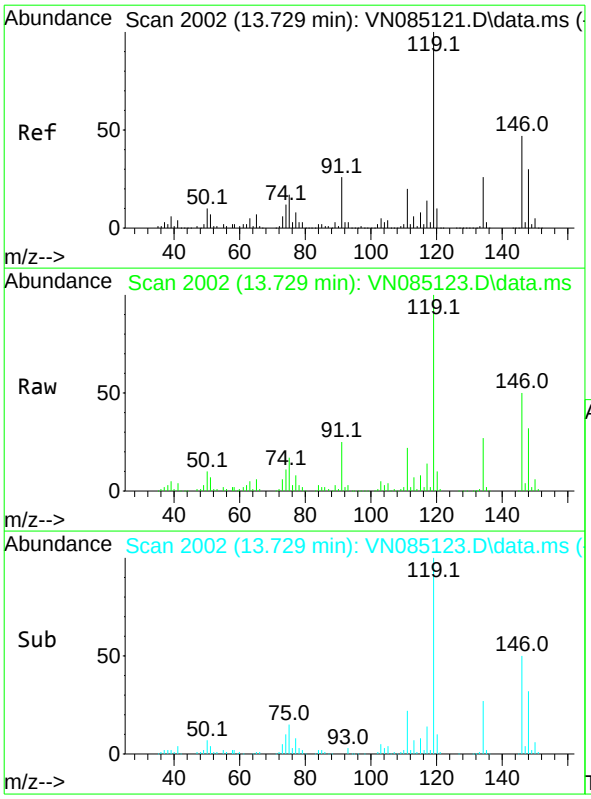


#82
p-Isopropyltoluene
Concen: 22.702 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:119 Resp: 181815

Ion	Ratio	Lower	Upper
119	100		
134	25.6	0.0	51.6
91	25.5	0.0	50.4

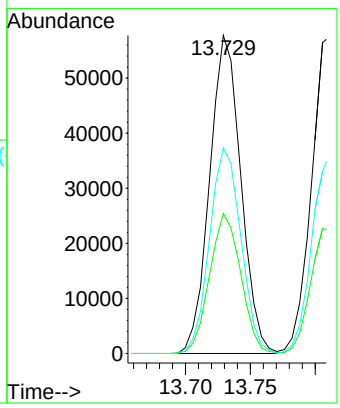




#83
1,3-Dichlorobenzene
Concen: 21.763 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:146 Resp: 96640

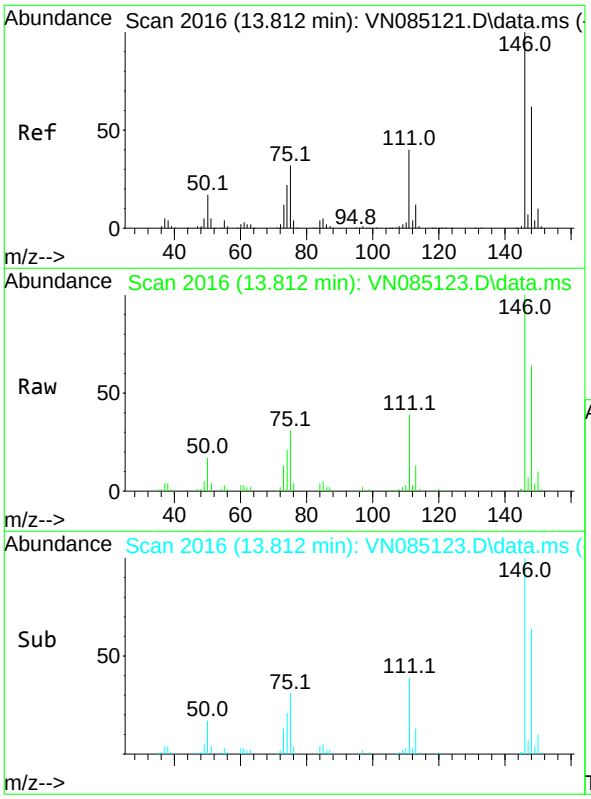
Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.1	63.3
148	64.8	31.8	95.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

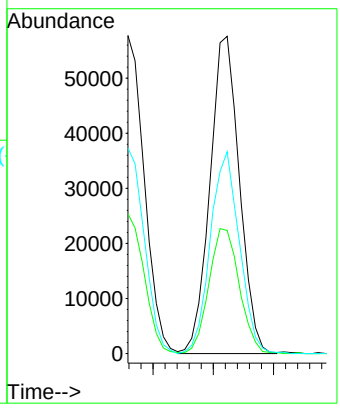
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

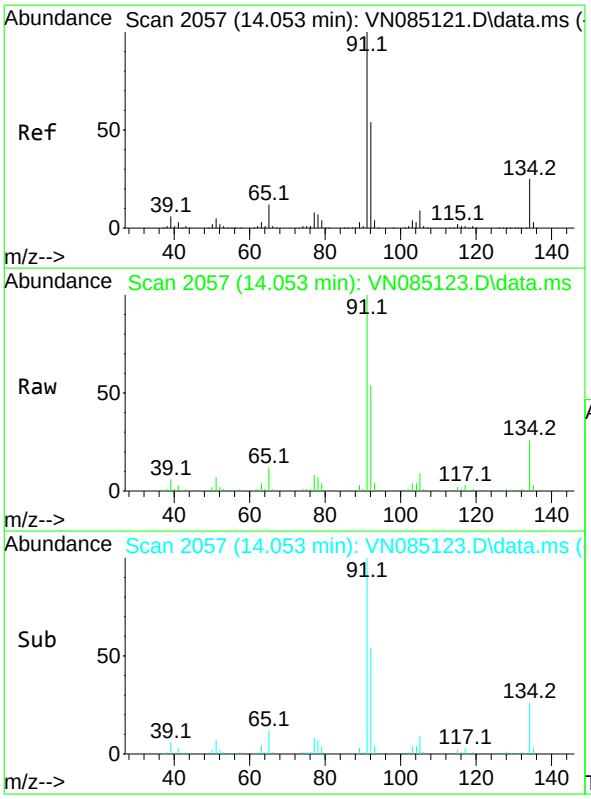


#84
1,4-Dichlorobenzene
Concen: 22.651 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:146 Resp: 98028

Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.1	60.3
148	62.6	31.6	94.7

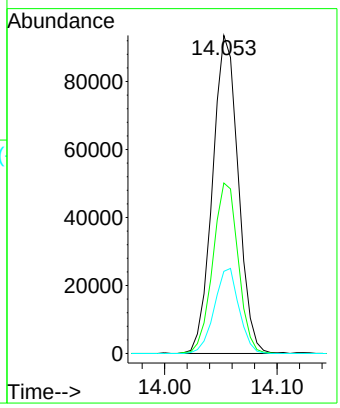




#85
n-Butylbenzene
Concen: 22.118 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 91 Resp: 148587

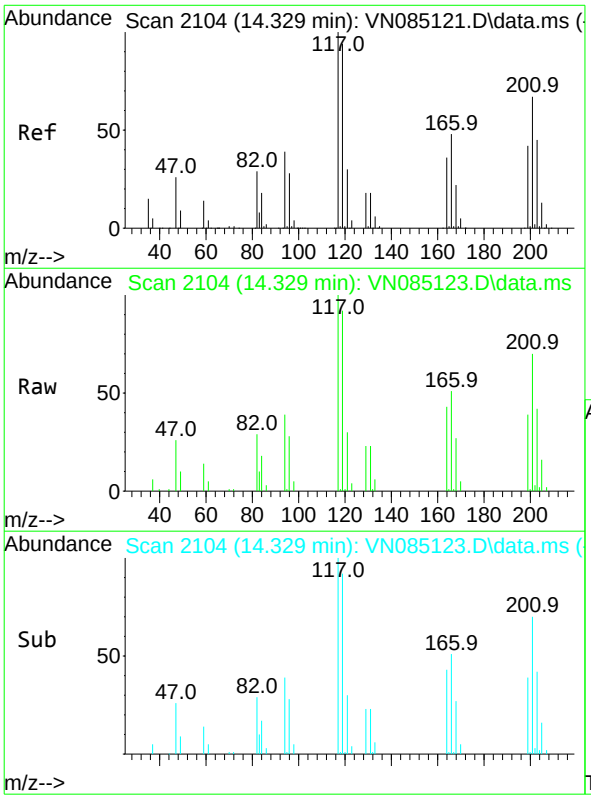
Ion	Ratio	Lower	Upper
91	100		
92	52.9	0.0	104.0
134	25.6	0.0	49.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

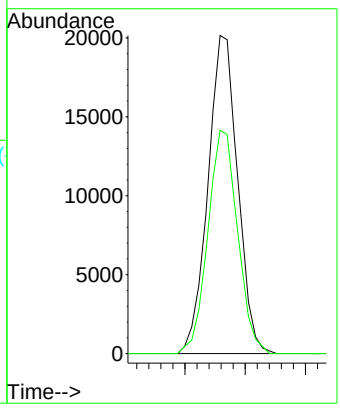
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

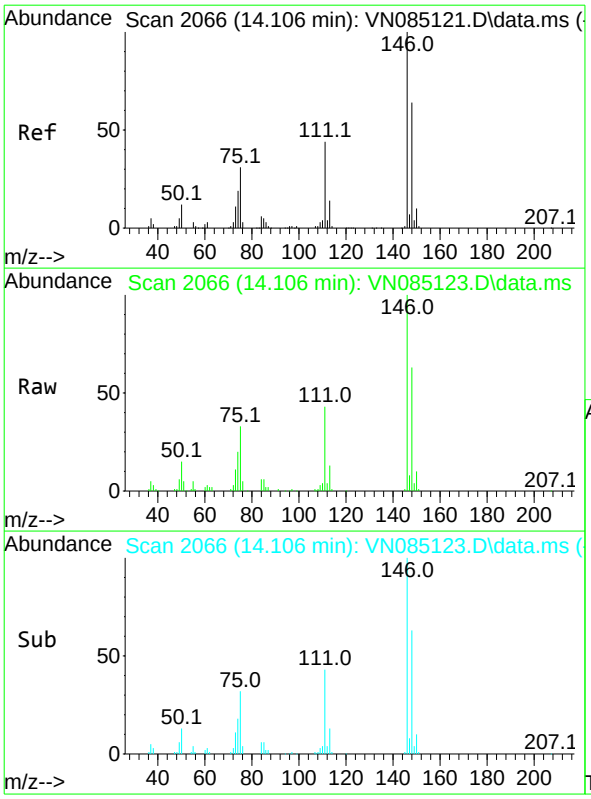


#86
Hexachloroethane
Concen: 21.642 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:117 Resp: 34505

Ion	Ratio	Lower	Upper
117	100		
201	70.3	34.1	102.3

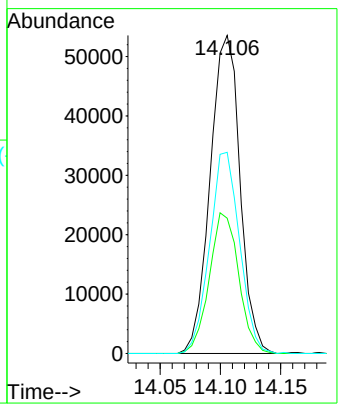




#87
1,2-Dichlorobenzene
Concen: 22.016 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:146 Resp: 92278

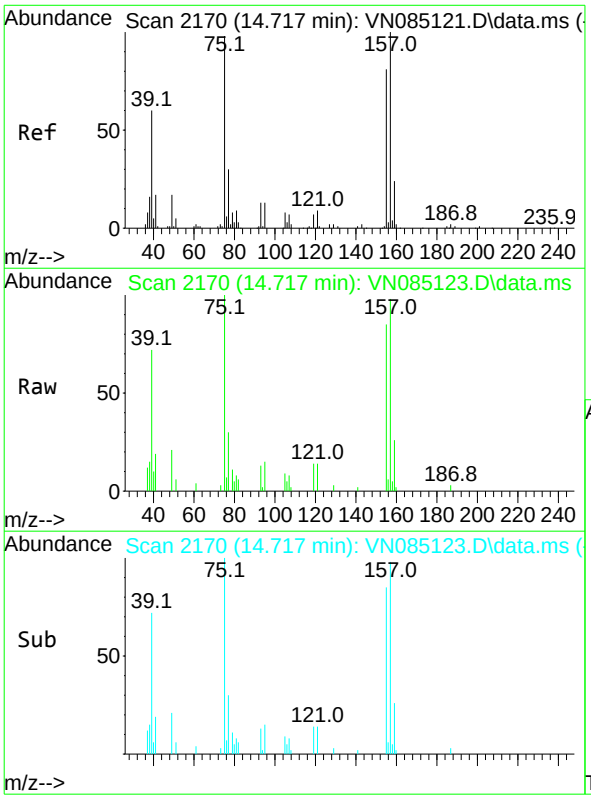
Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.9	65.7
148	63.5	32.4	97.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations APPROVED

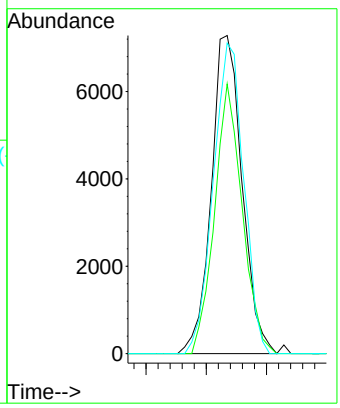
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

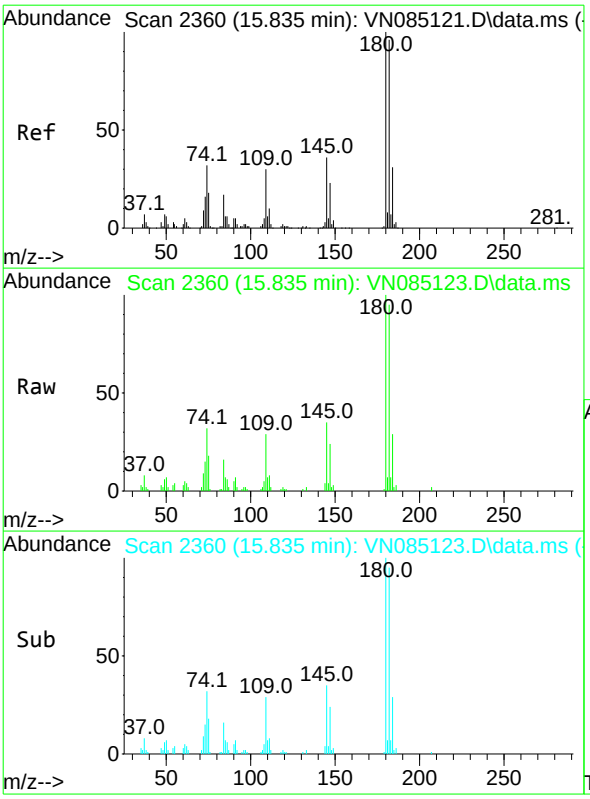


#88
1,2-Dibromo-3-Chloropropane
Concen: 22.003 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 75 Resp: 12928

Ion	Ratio	Lower	Upper
75	100		
155	76.2	62.1	93.1
157	96.4	79.3	118.9

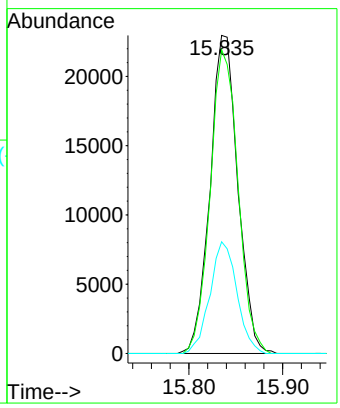




#89
1,2,4-Trichlorobenzene
Concen: 23.026 ug/l
RT: 15.835 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:180 Resp: 47265

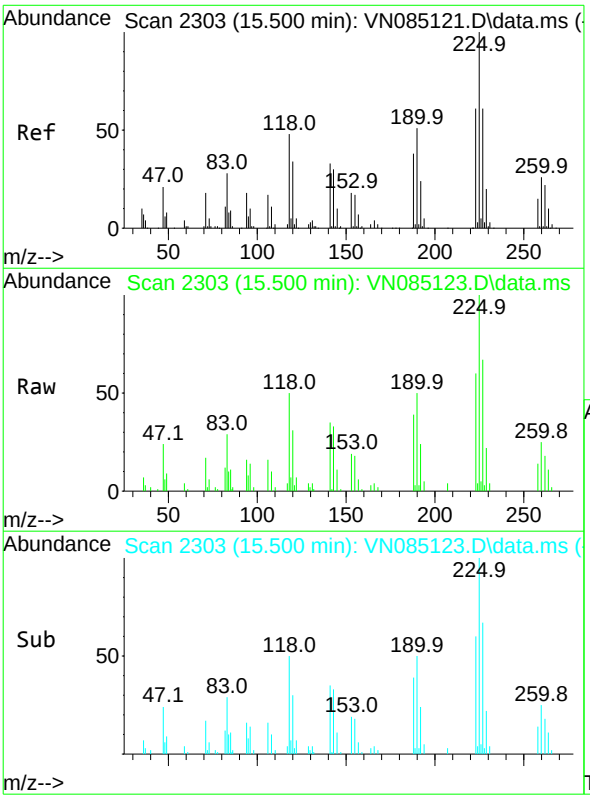
Ion	Ratio	Lower	Upper
180	100		
182	95.7	74.0	111.0
145	34.2	28.6	43.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

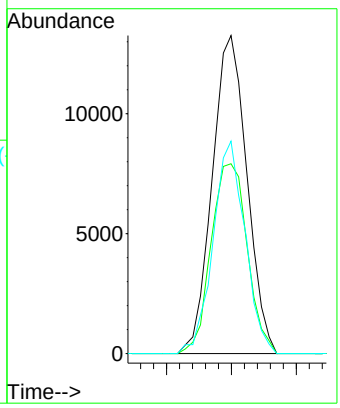
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024

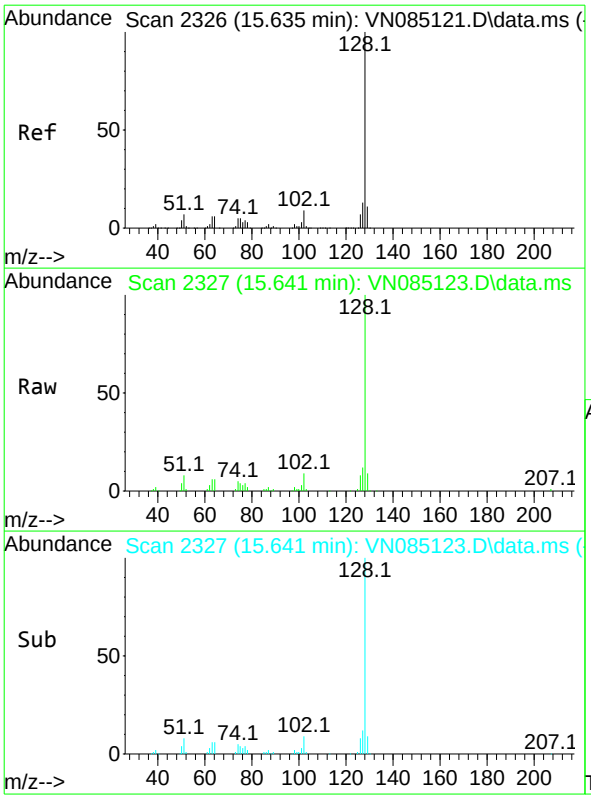


#90
Hexachlorobutadiene
Concen: 23.121 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:225 Resp: 24662

Ion	Ratio	Lower	Upper
225	100		
223	62.1	0.0	121.8
227	61.4	0.0	126.8

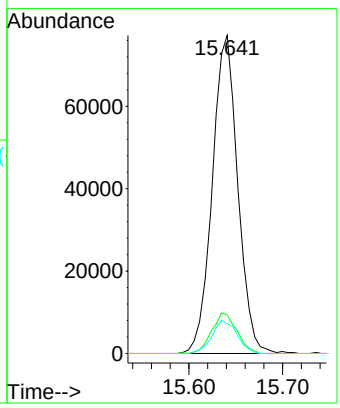




#91
Naphthalene
Concen: 22.886 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:128 Resp: 145950

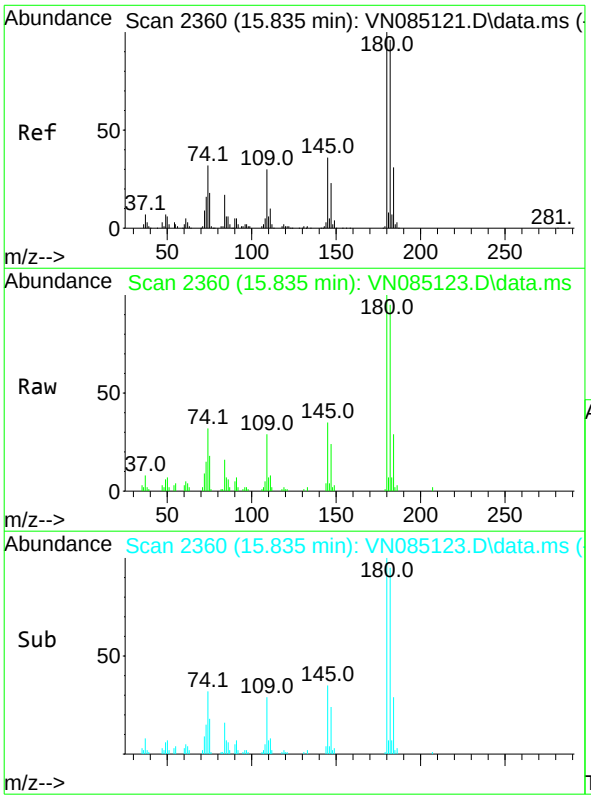
Ion	Ratio	Lower	Upper
128	100		
127	12.6	11.0	16.4
129	10.3	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Manual Integrations
APPROVED

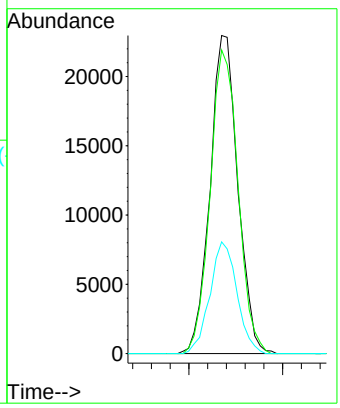
Reviewed By :Mahesh Dadoda 12/09/2024
Supervised By :Semsettin Yesilyurt 12/09/2024



#92
1,2,3-Trichlorobenzene
Concen: 23.026 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:180 Resp: 47265

Ion	Ratio	Lower	Upper
180	100		
182	95.7	0.0	185.0
145	34.2	0.0	71.6



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085123.D
Acq On : 06 Dec 2024 12:28
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Quant Time: Dec 06 23:06:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
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	Bromochloromethane	1.000	1.000	0.0	110	0.00
2	M	Dichlorodifluoromethane	2.400	2.657	-10.7	118	0.00
3	M	Chloromethane	2.124	2.368	-11.5	124	0.00
4	M	Vinyl Chloride	2.173	2.339	-7.6	120	0.00
5	M	Bromomethane	1.380	1.647	-19.3	136	0.00
6	M	Chloroethane	1.335	1.490	-11.6	126	0.00
7	M	Trichlorofluoromethane	3.557	3.860	-8.5	122	0.00
8	T	Diethyl Ether	1.127	1.259	-11.7	132	0.00
9		1,1,2-Trichlorotrifluoroeth	1.989	2.199	-10.6	125	0.00
10	M	1,1-Dichloroethene	1.827	2.002	-9.6	125	0.00
11		Methyl Iodide	2.534	2.773	-9.4	130	0.00
12		Methyl Acetate	2.155	2.358	-9.4	126	0.00
13	M	Acrolein	0.313	0.261	16.6	112	0.00
14	M	Acrylonitrile	0.895	0.979	-9.4	128	0.00
15	M	Acetone	0.243	0.255	-4.9	122	0.00
16	M	Carbon Disulfide	5.461	6.026	-10.3	123	0.00
17		Allyl chloride	2.614	2.861	-9.4	131	0.00
18	M	Methylene Chloride	2.073	2.170	-4.7	118	0.01
19	M	trans-1,2-Dichloroethene	1.899	2.076	-9.3	127	0.00
20	T	Diisopropyl ether	5.737	6.269	-9.3	121	0.00
21	M	1,1-Dichloroethane	3.541	3.862	-9.1	124	0.00
22	M	cis-1,2-Dichloroethene	2.183	2.482	-13.7	128	0.00
23	M	tert-Butyl Alcohol	0.321	0.359	-11.8	134	0.00
24	M	Methyl tert-Butyl Ether	5.708	6.351	-11.3	128	0.00
25	M	Chloroform	3.710	4.019	-8.3	121	0.00
26		Cyclohexane	2.916	3.288	-12.8	123	0.00
27	s	1,2-Dichloroethane-d4	2.380	2.340	1.7	107	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	114	0.00
29		1,1-Dichloropropene	0.484	0.529	-9.3	125	0.00
30	M	2-Butanone	0.222	0.238	-7.2	125	0.00
31		2,2-Dichloropropane	0.621	0.667	-7.4	126	0.00
32	M	1,1,1-Trichloroethane	0.655	0.697	-6.4	120	0.00
33	M	Carbon Tetrachloride	0.591	0.617	-4.4	120	0.00
34	M	Benzene	1.521	1.609	-5.8	123	0.00
35		Methacrylonitrile	0.250	0.281	-12.4	128	0.00
36	M	1,2-Dichloroethane	0.518	0.557	-7.5	126	0.00
37	M	Trichloroethene	0.362	0.390	-7.7	125	0.00
38		Methylcyclohexane	0.526	0.580	-10.3	138	0.00
39	M	1,2-Dichloropropane	0.368	0.384	-4.3	119	0.00
40		Dibromomethane	0.264	0.279	-5.7	120	0.00
41	M	Bromodichloromethane	0.565	0.596	-5.5	123	0.00
42	M	Vinyl Acetate	0.777	0.896	-15.3	137	0.00
43		Ethyl Acetate	0.442	0.504	-14.0	143	0.00
44		Isopropyl Acetate	0.768	0.836	-8.9	128	0.00
45	T	1,4-Dioxane	0.006	0.007	-16.7	124	0.00
46		Methyl methacrylate	0.352	0.387	-9.9	129	0.00
47		n-amyl Acetate	0.646	0.708	-9.6	131	0.00
48	M	t-1,3-Dichloropropene	0.554	0.587	-6.0	130	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085123.D
Acq On : 06 Dec 2024 12:28
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Quant Time: Dec 06 23:06:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
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	cis-1,3-Dichloropropene	0.604	0.644	-6.6	125	0.00
50	M	1,1,2-Trichloroethane	0.356	0.382	-7.3	123	0.00
51		Ethyl methacrylate	0.542	0.599	-10.5	135	0.00
52		1,3-Dichloropropane	0.596	0.640	-7.4	125	0.00
53	M	Dibromochloromethane	0.434	0.449	-3.5	121	0.00
54	M	1,2-Dibromoethane	0.359	0.384	-7.0	126	0.00
55	M	2-Chloroethyl vinyl ether	0.252	0.195	22.6	90	0.00
56	M	Bromoform	0.291	0.299	-2.7	125	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	110	0.00
58	M	4-Methyl-2-Pentanone	0.490	0.547	-11.6	122	0.00
59	M	2-Hexanone	0.371	0.418	-12.7	123	0.00
60	S	4-Bromofluorobenzene	0.496	0.512	-3.2	114	0.00
61	M	Tetrachloroethene	0.363	0.405	-11.6	125	0.00
62	M	Toluene	1.750	1.922	-9.8	124	0.00
63	S	Toluene-d8	1.407	1.422	-1.1	109	0.00
64	M	Chlorobenzene	1.080	1.194	-10.6	125	0.00
65		1,1,1,2-Tetrachloroethane	0.403	0.438	-8.7	126	0.00
66	M	Ethyl Benzene	1.857	2.070	-11.5	131	0.00
67	M	m/p-Xylenes	0.714	0.819	-14.7	127	0.00
68	M	o-Xylene	0.671	0.754	-12.4	129	0.00
69	M	Styrene	1.138	1.298	-14.1	131	0.00
70		Isopropylbenzene	1.730	1.949	-12.7	130	0.00
71	M	1,1,2,2-Tetrachloroethane	0.526	0.585	-11.2	121	0.00
72		1,2,3-Trichloropropane	0.520	0.610	-17.3	126	0.00
73		Bromobenzene	0.433	0.482	-11.3	127	0.00
74		n-propylbenzene	2.079	2.336	-12.4	128	0.00
75		2-Chlorotoluene	1.286	1.443	-12.2	125	0.00
76		1,3,5-Trimethylbenzene	1.482	1.693	-14.2	130	0.00
77		t-1,4-Dichloro-2-butene	0.189	0.203	-7.4	126	0.00
78		4-Chlorotoluene	1.305	1.465	-12.3	128	0.00
79		tert-butylbenzene	1.217	1.368	-12.4	129	0.00
80		1,2,4-Trimethylbenzene	1.464	1.683	-15.0	130	0.00
81		sec-Butylbenzene	1.729	1.982	-14.6	131	0.00
82		p-Isopropyltoluene	1.434	1.627	-13.5	131	0.00
83	M	1,3-Dichlorobenzene	0.795	0.865	-8.8	125	0.00
84	M	1,4-Dichlorobenzene	0.775	0.877	-13.2	131	0.00
85		n-Butylbenzene	1.203	1.330	-10.6	135	0.00
86	T	Hexachloroethane	0.285	0.309	-8.4	124	0.00
87	M	1,2-Dichlorobenzene	0.750	0.826	-10.1	126	0.00
88		1,2-Dibromo-3-Chloropropane	0.105	0.116	-10.5	124	0.00
89		1,2,4-Trichlorobenzene	0.367	0.423	-15.3	137	0.00
90		Hexachlorobutadiene	0.191	0.221	-15.7	133	0.00
91	M	Naphthalene	1.142	1.306	-14.4	149	0.00
92		1,2,3-Trichlorobenzene	0.367	0.423	-15.3	137	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085123.D
Acq On : 06 Dec 2024 12:28
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Quant Time: Dec 06 23:06:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
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	Bromochloromethane	30.000	30.000	0.0	110	0.00
2	M	Dichlorodifluoromethane	20.000	22.140	-10.7	118	0.00
3	M	Chloromethane	20.000	22.297	-11.5	124	0.00
4	M	Vinyl Chloride	20.000	21.532	-7.7	120	0.00
5	M	Bromomethane	20.000	23.874	-19.4	136	0.00
6	M	Chloroethane	20.000	22.326	-11.6	126	0.00
7	M	Trichlorofluoromethane	20.000	21.704	-8.5	122	0.00
8	T	Diethyl Ether	20.000	22.346	-11.7	132	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	22.109	-10.5	125	0.00
10	M	1,1-Dichloroethene	20.000	21.919	-9.6	125	0.00
11		Methyl Iodide	20.000	21.887	-9.4	130	0.00
12		Methyl Acetate	20.000	21.883	-9.4	126	0.00
13	M	Acrolein	100.000	83.185	16.8	112	0.00
14	M	Acrylonitrile	100.000	109.372	-9.4	128	0.00
15	M	Acetone	100.000	104.948	-4.9	122	0.00
16	M	Carbon Disulfide	20.000	22.068	-10.3	123	0.00
17		Allyl chloride	20.000	21.888	-9.4	131	0.00
18	M	Methylene Chloride	20.000	20.936	-4.7	118	0.01
19	M	trans-1,2-Dichloroethene	20.000	21.862	-9.3	127	0.00
20	T	Diisopropyl ether	20.000	21.853	-9.3	121	0.00
21	M	1,1-Dichloroethane	20.000	21.811	-9.1	124	0.00
22	M	cis-1,2-Dichloroethene	20.000	22.742	-13.7	128	0.00
23	M	tert-Butyl Alcohol	100.000	111.884	-11.9	134	0.00
24	M	Methyl tert-Butyl Ether	20.000	22.254	-11.3	128	0.00
25	M	Chloroform	20.000	21.669	-8.3	121	0.00
26		Cyclohexane	20.000	22.553	-12.8	123	0.00
27	s	1,2-Dichloroethane-d4	30.000	29.493	1.7	107	0.00
28	I	1,4-Difluorobenzene	30.000	30.000	0.0	114	0.00
29		1,1-Dichloropropene	20.000	21.858	-9.3	125	0.00
30	M	2-Butanone	100.000	107.048	-7.0	125	0.00
31		2,2-Dichloropropane	20.000	21.490	-7.4	126	0.00
32	M	1,1,1-Trichloroethane	20.000	21.275	-6.4	120	0.00
33	M	Carbon Tetrachloride	20.000	20.855	-4.3	120	0.00
34	M	Benzene	20.000	21.162	-5.8	123	0.00
35		Methacrylonitrile	20.000	22.464	-12.3	128	0.00
36	M	1,2-Dichloroethane	20.000	21.505	-7.5	126	0.00
37	M	Trichloroethene	20.000	21.558	-7.8	125	0.00
38		Methylcyclohexane	20.000	22.020	-10.1	138	0.00
39	M	1,2-Dichloropropane	20.000	20.867	-4.3	119	0.00
40		Dibromomethane	20.000	21.127	-5.6	120	0.00
41	M	Bromodichloromethane	20.000	21.117	-5.6	123	0.00
42	M	Vinyl Acetate	100.000	115.256	-15.3	137	0.00
43		Ethyl Acetate	20.000	22.807	-14.0	143	0.00
44		Isopropyl Acetate	20.000	21.770	-8.8	128	0.00
45	T	1,4-Dioxane	400.000	437.438	-9.4	124	0.00
46		Methyl methacrylate	20.000	21.989	-9.9	129	0.00
47		n-amyl Acetate	20.000	21.920	-9.6	131	0.00
48	M	t-1,3-Dichloropropene	20.000	21.161	-5.8	130	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085123.D
Acq On : 06 Dec 2024 12:28
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Quant Time: Dec 06 23:06:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
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	cis-1,3-Dichloropropene	20.000	21.333	-6.7	125	0.00
50	M	1,1,2-Trichloroethane	20.000	21.441	-7.2	123	0.00
51		Ethyl methacrylate	20.000	22.113	-10.6	135	0.00
52		1,3-Dichloropropane	20.000	21.486	-7.4	125	0.00
53	M	Dibromochloromethane	20.000	20.701	-3.5	121	0.00
54	M	1,2-Dibromoethane	20.000	21.396	-7.0	126	0.00
55	M	2-Chloroethyl vinyl ether	100.000	77.670	22.3	90	0.00
56	M	Bromoform	20.000	20.588	-2.9	125	0.00
57	I	Chlorobenzene-d5	30.000	30.000	0.0	110	0.00
58	M	4-Methyl-2-Pentanone	100.000	111.787	-11.8	122	0.00
59	M	2-Hexanone	100.000	112.607	-12.6	123	0.00
60	S	4-Bromofluorobenzene	30.000	30.966	-3.2	114	0.00
61	M	Tetrachloroethene	20.000	22.294	-11.5	125	0.00
62	M	Toluene	20.000	21.975	-9.9	124	0.00
63	S	Toluene-d8	30.000	30.323	-1.1	109	0.00
64	M	Chlorobenzene	20.000	22.112	-10.6	125	0.00
65		1,1,1,2-Tetrachloroethane	20.000	21.725	-8.6	126	0.00
66	M	Ethyl Benzene	20.000	22.300	-11.5	131	0.00
67	M	m/p-Xylenes	40.000	45.872	-14.7	127	0.00
68	M	o-Xylene	20.000	22.492	-12.5	129	0.00
69	M	Styrene	20.000	22.822	-14.1	131	0.00
70		Isopropylbenzene	20.000	22.540	-12.7	130	0.00
71	M	1,1,2,2-Tetrachloroethane	20.000	22.210	-11.1	121	0.00
72		1,2,3-Trichloropropane	20.000	23.445	-17.2	126	0.00
73		Bromobenzene	20.000	22.241	-11.2	127	0.00
74		n-propylbenzene	20.000	22.470	-12.3	128	0.00
75		2-Chlorotoluene	20.000	22.446	-12.2	125	0.00
76		1,3,5-Trimethylbenzene	20.000	22.843	-14.2	130	0.00
77		t-1,4-Dichloro-2-butene	20.000	21.535	-7.7	126	0.00
78		4-Chlorotoluene	20.000	22.456	-12.3	128	0.00
79		tert-butylbenzene	20.000	22.471	-12.4	129	0.00
80		1,2,4-Trimethylbenzene	20.000	22.992	-15.0	130	0.00
81		sec-Butylbenzene	20.000	22.925	-14.6	131	0.00
82		p-Isopropyltoluene	20.000	22.702	-13.5	131	0.00
83	M	1,3-Dichlorobenzene	20.000	21.763	-8.8	125	0.00
84	M	1,4-Dichlorobenzene	20.000	22.651	-13.3	131	0.00
85		n-Butylbenzene	20.000	22.118	-10.6	135	0.00
86	T	Hexachloroethane	20.000	21.642	-8.2	124	0.00
87	M	1,2-Dichlorobenzene	20.000	22.016	-10.1	126	0.00
88		1,2-Dibromo-3-Chloropropane	20.000	22.003	-10.0	124	0.00
89		1,2,4-Trichlorobenzene	20.000	23.026	-15.1	137	0.00
90		Hexachlorobutadiene	20.000	23.121	-15.6	133	0.00
91	M	Naphthalene	20.000	22.886	-14.4	149	0.00
92		1,2,3-Trichlorobenzene	20.000	23.026	-15.1	137	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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.: P5283 SAS No.: P5283 SDG No.: P5283

Instrument ID: MSVOA_N Calibration Date/Time: 12/16/2024 09:42

Lab File ID: VN085207.D Init. Calib. Date(s): 12/06/2024 12/06/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:02 11:37

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

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	2.400	2.526		5.25	
Chloromethane	2.124	2.227		4.85	
Vinyl Chloride	2.173	2.251	0.1	3.59	
Bromomethane	1.380	1.402	0.1	1.59	
Chloroethane	1.335	1.437		7.64	
Trichlorofluoromethane	3.557	3.724		4.7	
1,1,2-Trichlorotrifluoroethane	1.989	2.005		0.8	
1,1-Dichloroethene	1.827	1.847	0.1	1.1	
Acrolein	0.313	0.235		-24.92	
Acrylonitrile	0.895	0.853		-4.69	
Acetone	0.243	0.258		6.17	
Carbon Disulfide	5.461	5.505		0.81	
Methyl tert-Butyl Ether	5.708	5.845		2.4	
Methyl Acetate	2.155	2.103		-2.41	
Methylene Chloride	2.073	2.023		-2.41	
trans-1,2-Dichloroethene	1.899	1.907		0.42	
1,1-Dichloroethane	3.541	3.578	0.2	1.04	
Cyclohexane	0.552	0.526		-4.71	
2-Butanone	0.222	0.210		-5.41	
Carbon Tetrachloride	0.591	0.558	0.1	-5.58	
2,2-Dichloropropane	0.621	0.615		-0.97	
cis-1,2-Dichloroethene	2.183	2.239		2.57	
Chloroform	3.710	3.808	0.2	2.64	
1,1,1-Trichloroethane	0.655	0.631	0.1	-3.66	
Methylcyclohexane	0.526	0.500		-4.94	
1,1-Dichloropropene	0.484	0.466		-3.72	
Benzene	1.521	1.463	0.5	-3.81	
1,2-Dichloroethane	0.518	0.501	0.1	-3.28	
Trichloroethene	0.362	0.361	0.3	-0.28	
1,2-Dichloropropane	0.368	0.353		-4.08	
Dibromomethane	0.264	0.255		-3.41	
Bromodichloromethane	0.565	0.546	0.2	-3.36	
4-Methyl-2-Pentanone	0.490	0.448		-8.57	
Toluene	1.750	1.703	0.4	-2.69	
t-1,3-Dichloropropene	0.554	0.532	0.1	-3.97	
cis-1,3-Dichloropropene	0.604	0.590	0.2	-2.32	
1,1,2-Trichloroethane	0.356	0.344	0.1	-3.37	
1,3-Dichloropropane	0.596	0.572		-4.03	

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P5283 SAS No.: P5283 SDG No.: P5283

Instrument ID: MSVOA_N Calibration Date/Time: 12/16/2024 09:42

Lab File ID: VN085207.D Init. Calib. Date(s): 12/06/2024 12/06/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:02 11:37

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

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
2-Hexanone	0.371	0.350		-5.66	
Dibromochloromethane	0.434	0.412	0.1	-5.07	
1,2-Dibromoethane	0.359	0.343		-4.46	
Tetrachloroethene	0.363	0.361	0.2	-0.55	
Chlorobenzene	1.080	1.049	0.5	-2.87	
1,1,1,2-Tetrachloroethane	0.403	0.391		-2.98	
Hexachloroethane	0.285	0.275		-3.51	
Ethyl Benzene	1.857	1.831	0.1	-1.4	
m/p-Xylenes	0.714	0.703	0.3	-1.54	
o-Xylene	0.671	0.678	0.3	1.04	
Styrene	1.138	1.138	0.3	0	
Bromoform	0.291	0.271	0.1	-6.87	
Isopropylbenzene	1.730	1.731		0.06	
1,1,2,2-Tetrachloroethane	0.526	0.495	0.3	-5.89	
1,2,3-Trichloropropane	0.520	0.399		-23.27	
Bromobenzene	0.433	0.425		-1.85	
n-propylbenzene	2.079	2.023		-2.69	
2-Chlorotoluene	1.286	1.262		-1.87	
1,3,5-Trimethylbenzene	1.482	1.477		-0.34	
4-Chlorotoluene	1.305	1.276		-2.22	
tert-butylbenzene	1.217	1.210		-0.57	
1,2,4-Trimethylbenzene	1.464	1.478		0.96	
sec-Butylbenzene	1.729	1.683		-2.66	
p-Isopropyltoluene	1.434	1.422		-0.84	
1,3-Dichlorobenzene	0.795	0.761	0.2	-4.28	
1,4-Dichlorobenzene	0.775	0.751	0.2	-3.1	
n-Butylbenzene	1.203	1.164		-3.24	
1,2-Dichlorobenzene	0.750	0.725	0.2	-3.33	
1,2-Dibromo-3-Chloropropane	0.105	0.090		-14.29	
1,2,4-Trichlorobenzene	0.367	0.353	0.2	-3.82	
Hexachlorobutadiene	0.191	0.191		0	
Naphthalene	1.142	1.062		-7.01	
1,2,3-Trichlorobenzene	0.367	0.353		-3.82	
1,2-Dichloroethane-d4	2.380	2.398	0.01	0.76	
Toluene-d8	1.407	1.384	0.01	-1.63	
4-Bromofluorobenzene	0.496	0.487	0.2	-1.82	
Methyl Iodide	2.534	2.157		-14.88	
Methyl methacrylate	0.352	0.327		-7.1	

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085207.D
Acq On : 16 Dec 2024 09:42
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 12:21:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	33412	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.094	114	185962	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	170233	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	80133	30.226	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.767%				
60) 4-Bromofluorobenzene	12.847	95	82875	29.423	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.067%				
63) Toluene-d8	10.565	98	235545	29.497	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.333%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	56261	21.047	ug/l		99
3) Chloromethane	2.359	50	49600	20.963	ug/l		97
4) Vinyl Chloride	2.512	62	50136	20.717	ug/l		97
5) Bromomethane	2.965	94	31223	20.321	ug/l		96
6) Chloroethane	3.124	64	32014	21.532	ug/l		92
7) Trichlorofluoromethane	3.506	101	82951	20.940	ug/l		100
8) Diethyl Ether	3.959	74	25301	20.165	ug/l		99
9) 1,1,2-Trichlorotrifluo...	4.371	101	44657	20.159	ug/l		99
10) 1,1-Dichloroethene	4.342	96	41142	20.219	ug/l		99
11) Methyl Iodide	4.595	142	48050	17.027	ug/l		96
12) Methyl Acetate	5.018	43	46842	19.513	ug/l		98
13) Acrolein	4.177	56	26169	75.017	ug/l		96
14) Acrylonitrile	5.712	53	94996	95.305	ug/l		98
15) Acetone	4.424	58	28736	106.386	ug/l		96
16) Carbon Disulfide	4.706	76	122618	20.161	ug/l		99
17) Allyl chloride	5.024	41	59479	20.428	ug/l		91
18) Methylene Chloride	5.277	84	45057	19.515	ug/l		94
19) trans-1,2-Dichloroethene	5.783	96	42471	20.081	ug/l		92
20) Diisopropyl ether	6.665	45	131789	20.625	ug/l		96
21) 1,1-Dichloroethane	6.565	63	79692	20.207	ug/l	#	96
22) cis-1,2-Dichloroethene	7.477	96	49862	20.511	ug/l		99
23) tert-Butyl Alcohol	5.518	59	32619	91.223	ug/l	#	100
24) Methyl tert-Butyl Ether	5.794	73	130198	20.480	ug/l	#	75
25) Chloroform	7.959	83	84820	20.530	ug/l		93
26) Cyclohexane	8.253	56	65168	20.069	ug/l	#	95
29) 1,1-Dichloropropene	8.365	75	57776	19.254	ug/l		99
30) 2-Butanone	7.477	43	130116	94.489	ug/l		98
31) 2,2-Dichloropropane	7.488	77	76289	19.826	ug/l	#	100
32) 1,1,1-Trichloroethane	8.165	97	78244	19.264	ug/l		98
33) Carbon Tetrachloride	8.359	117	69225	18.888	ug/l		99
34) Benzene	8.600	78	181426	19.246	ug/l	#	94
35) Methacrylonitrile	7.771	41	28129	18.152	ug/l		96
36) 1,2-Dichloroethane	8.665	62	62153	19.368	ug/l		99
37) Trichloroethene	9.347	130	44782	19.949	ug/l		89
38) Methylcyclohexane	9.600	83	61994	19.000	ug/l		97
39) 1,2-Dichloropropane	9.618	63	43708	19.143	ug/l		98
40) Dibromomethane	9.706	93	31562	19.271	ug/l		98
41) Bromodichloromethane	9.882	83	67723	19.343	ug/l		97
42) Vinyl Acetate	6.600	43	471771	97.906	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085207.D
Acq On : 16 Dec 2024 09:42
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 12:21:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.553	43	49499	18.066 ug/l	96
44) Isopropyl Acetate	8.682	43	89011	18.694 ug/l	100
45) 1,4-Dioxane	9.688	88	15602	392.939 ug/l	95
46) Methyl methacrylate	9.677	41	40601	18.632 ug/l	97
47) n-amyl Acetate	12.494	43	73556	18.361 ug/l	96
48) t-1,3-Dichloropropene	10.829	75	65995	19.202 ug/l	98
49) cis-1,3-Dichloropropene	10.306	75	73124	19.544 ug/l	96
50) 1,1,2-Trichloroethane	11.012	97	42618	19.311 ug/l	96
51) Ethyl methacrylate	10.871	69	62332	18.569 ug/l	96
52) 1,3-Dichloropropane	11.159	76	70887	19.192 ug/l	99
53) Dibromochloromethane	11.359	129	51019	18.970 ug/l	97
54) 1,2-Dibromoethane	11.465	107	42506	19.116 ug/l	99
55) 2-Chloroethyl vinyl ether	10.153	63	122170	78.348 ug/l	99
56) Bromoform	12.570	173	33630	18.650 ug/l	96
58) 4-Methyl-2-Pentanone	10.441	43	254378	91.560 ug/l	97
59) 2-Hexanone	11.194	43	198443	94.267 ug/l	98
61) Tetrachloroethene	11.100	164	40993	19.885 ug/l	89
62) Toluene	10.624	91	193265	19.467 ug/l	99
64) Chlorobenzene	11.888	112	119028	19.419 ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	44343	19.379 ug/l	99
66) Ethyl Benzene	11.959	91	207827	19.728 ug/l	97
67) m/p-Xylenes	12.071	106	159560	39.379 ug/l	96
68) o-Xylene	12.394	106	76900	20.208 ug/l	97
69) Styrene	12.406	104	129131	19.998 ug/l	100
70) Isopropylbenzene	12.694	105	196429	20.013 ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	56150	18.796 ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	45287m	15.346 ug/l	
73) Bromobenzene	12.976	156	48280	19.638 ug/l	98
74) n-propylbenzene	13.029	91	229571	19.456 ug/l	99
75) 2-Chlorotoluene	13.123	91	143192	19.627 ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	167597	19.931 ug/l	99
77) t-1,4-Dichloro-2-butene	12.729	75	20254	18.888 ug/l	90
78) 4-Chlorotoluene	13.217	91	144822	19.557 ug/l	99
79) tert-butylbenzene	13.435	119	137376	19.890 ug/l	98
80) 1,2,4-Trimethylbenzene	13.476	105	167722	20.193 ug/l	98
81) sec-Butylbenzene	13.612	105	191002	19.466 ug/l	98
82) p-Isopropyltoluene	13.723	119	161402	19.841 ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	86373	19.150 ug/l	100
84) 1,4-Dichlorobenzene	13.806	146	85216	19.386 ug/l	99
85) n-Butylbenzene	14.053	91	132097	19.359 ug/l	98
86) Hexachloroethane	14.335	117	31250	19.297 ug/l	98
87) 1,2-Dichlorobenzene	14.100	146	82331	19.338 ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10161	17.026 ug/l	95
89) 1,2,4-Trichlorobenzene	15.835	180	40011	19.190 ug/l	96
90) Hexachlorobutadiene	15.494	225	21664	19.995 ug/l	99
91) Naphthalene	15.635	128	120498	18.602 ug/l	98
92) 1,2,3-Trichlorobenzene	15.835	180	40011	19.190 ug/l	96

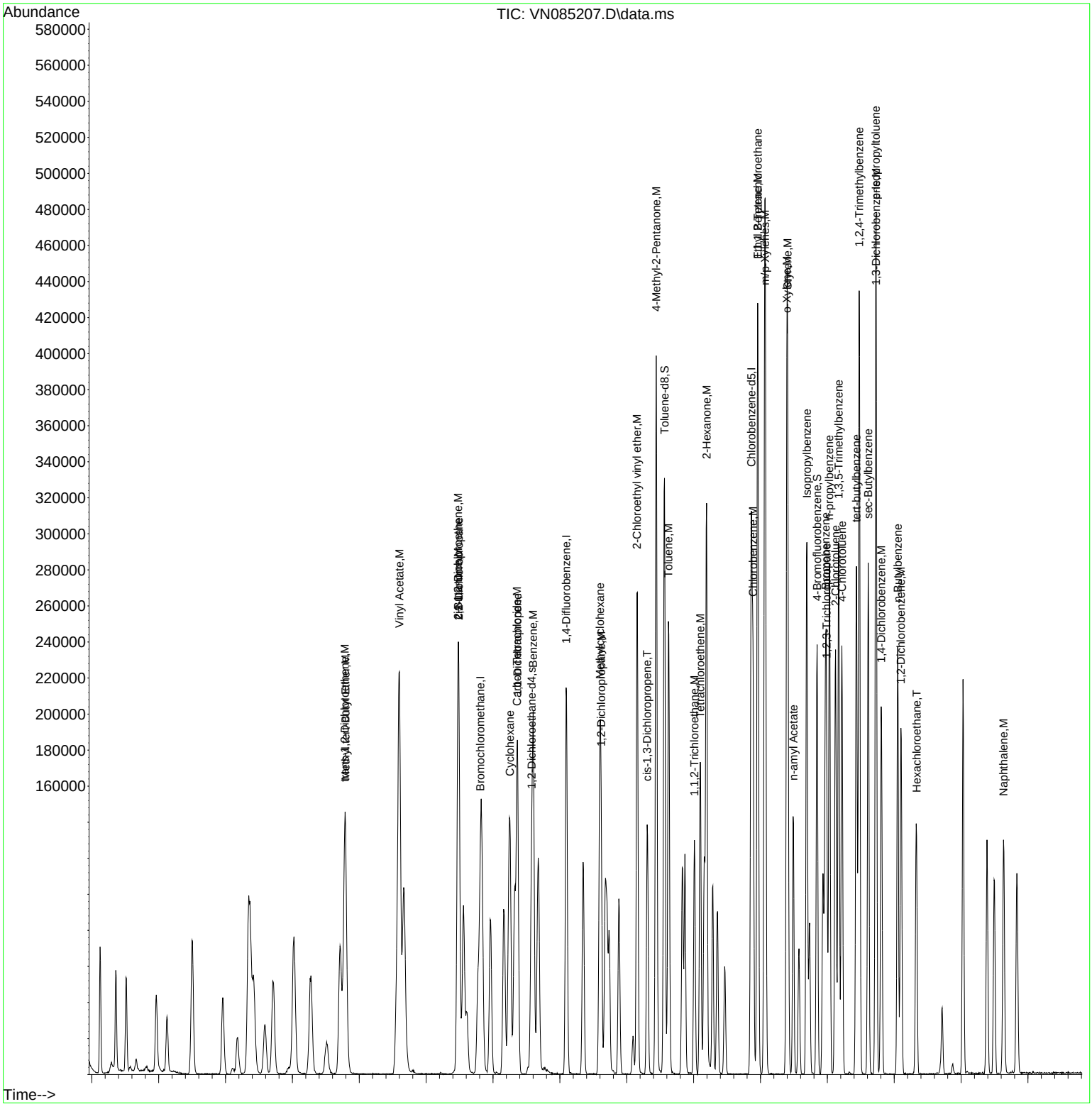
(#) = qualifier out of range (m) = manual integration (+) = signals summed

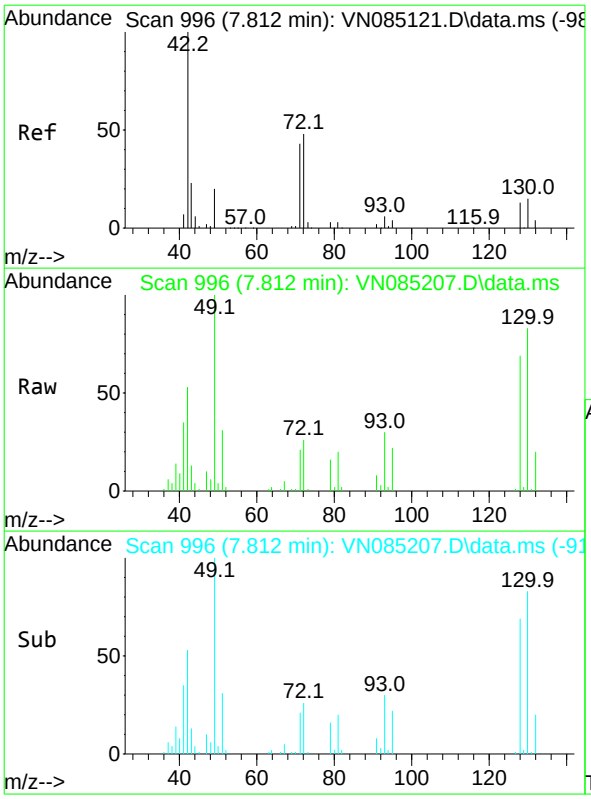
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085207.D
Acq On : 16 Dec 2024 09:42
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 12:21:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

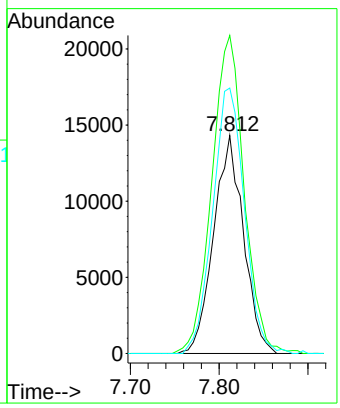




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:128 Resp: 33412

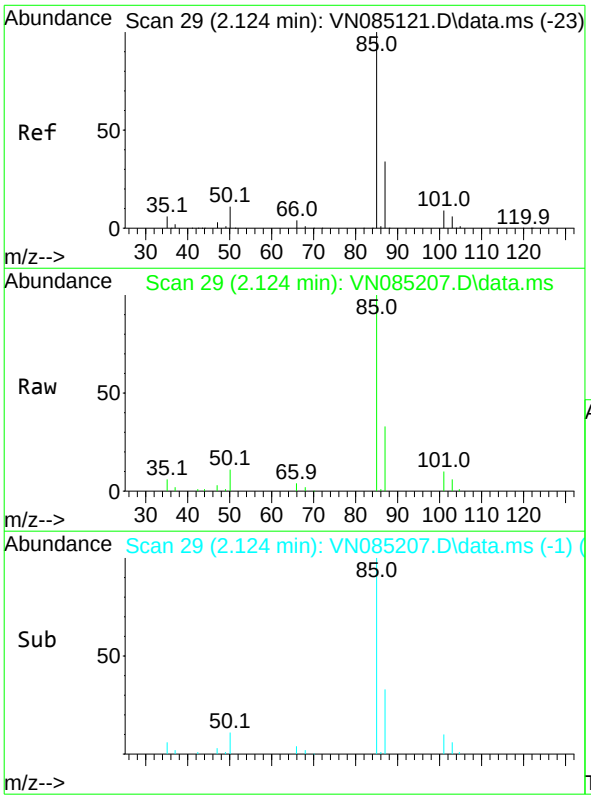
Ion	Ratio	Lower	Upper
128	100		
49	157.6	0.0	394.5
130	129.2	0.0	316.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

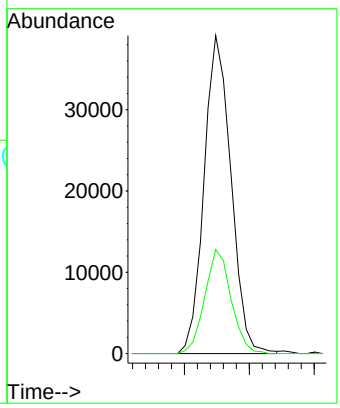
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

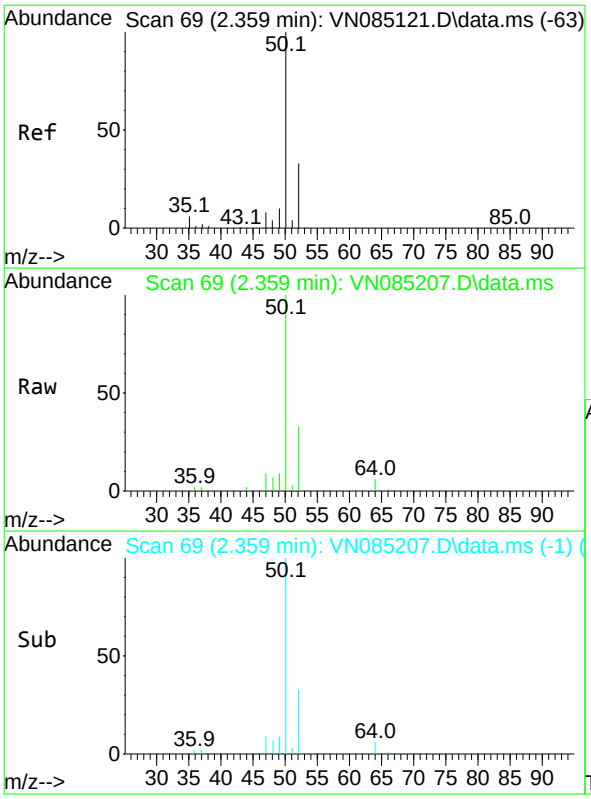


#2
Dichlorodifluoromethane
Concen: 21.047 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 85 Resp: 56261

Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.8	50.3

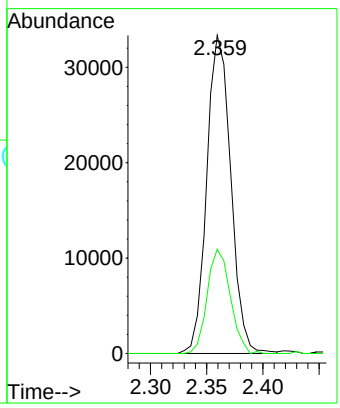




#3
Chloromethane
Concen: 20.963 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 50 Resp: 49600

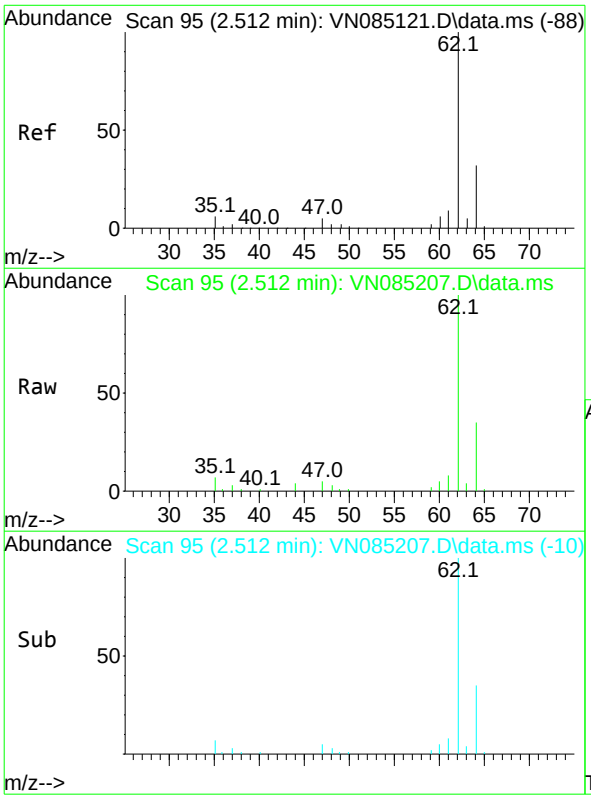
Ion	Ratio	Lower	Upper
50	100		
52	32.8	25.0	37.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

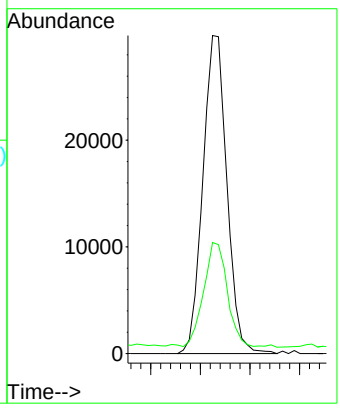
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

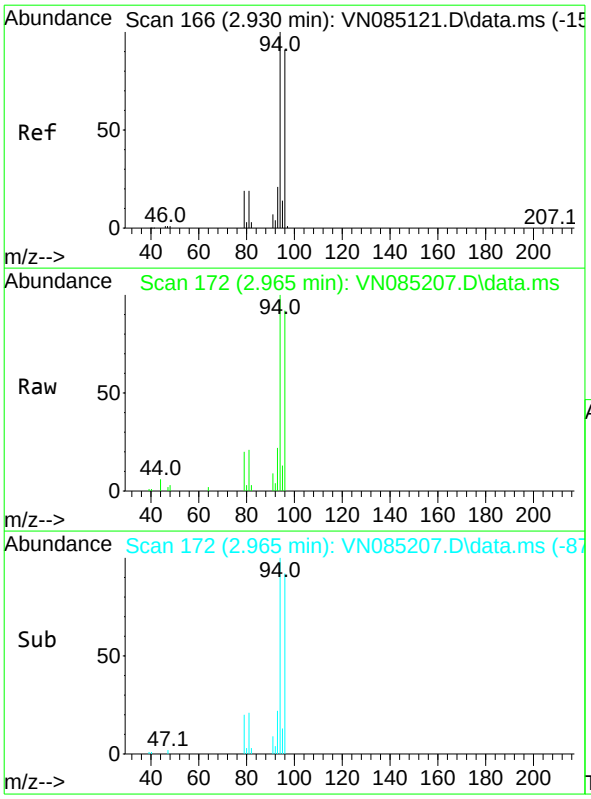


#4
Vinyl Chloride
Concen: 20.717 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 62 Resp: 50136

Ion	Ratio	Lower	Upper
62	100		
64	32.9	24.9	37.3

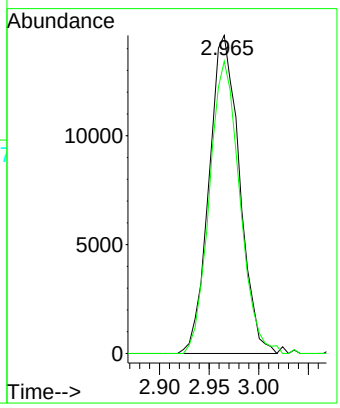




#5
Bromomethane
Concen: 20.321 ug/l
RT: 2.965 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 94 Resp: 31223

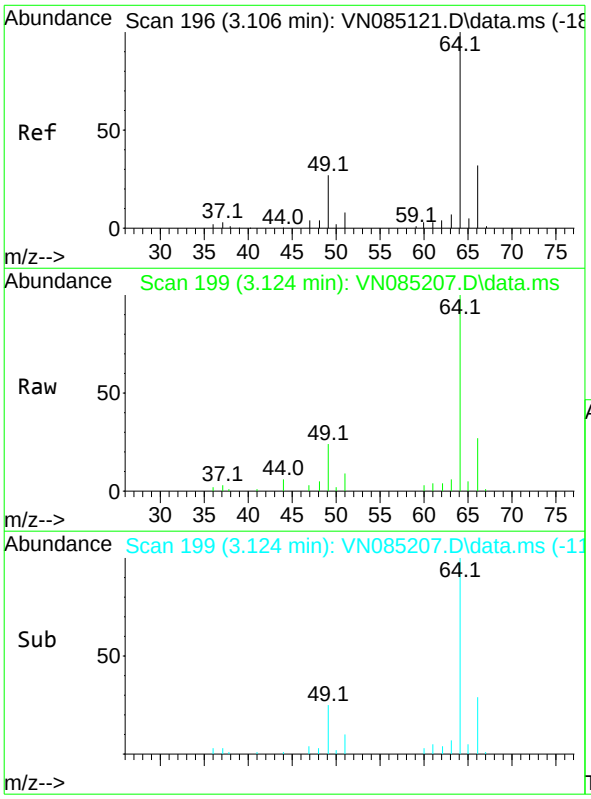
Ion	Ratio	Lower	Upper
94	100		
96	91.9	76.2	114.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

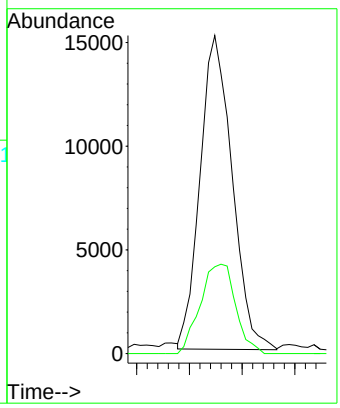
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

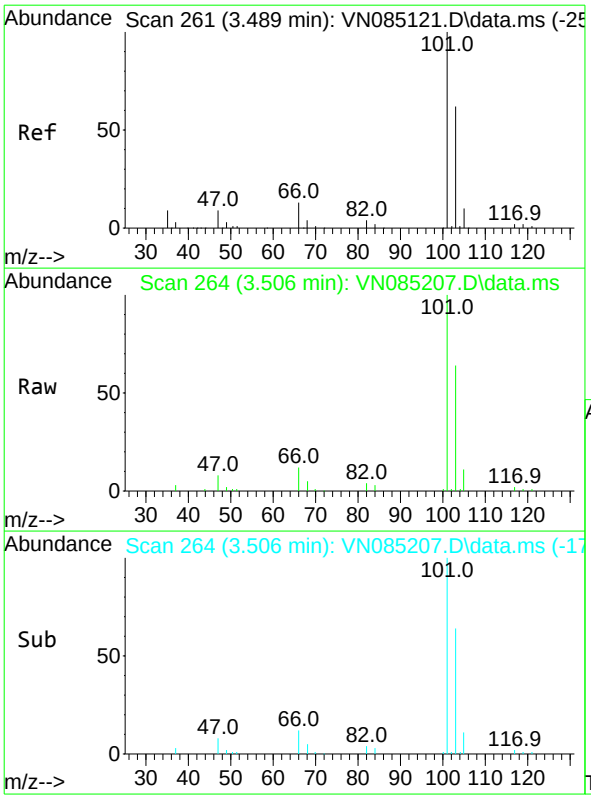


#6
Chloroethane
Concen: 21.532 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 64 Resp: 32014

Ion	Ratio	Lower	Upper
64	100		
66	27.7	25.5	38.3

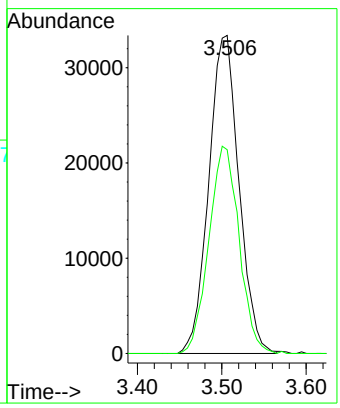




#7
Trichlorofluoromethane
Concen: 20.940 ug/l
RT: 3.506 min Scan# 26
Delta R.T. 0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:101 Resp: 82951

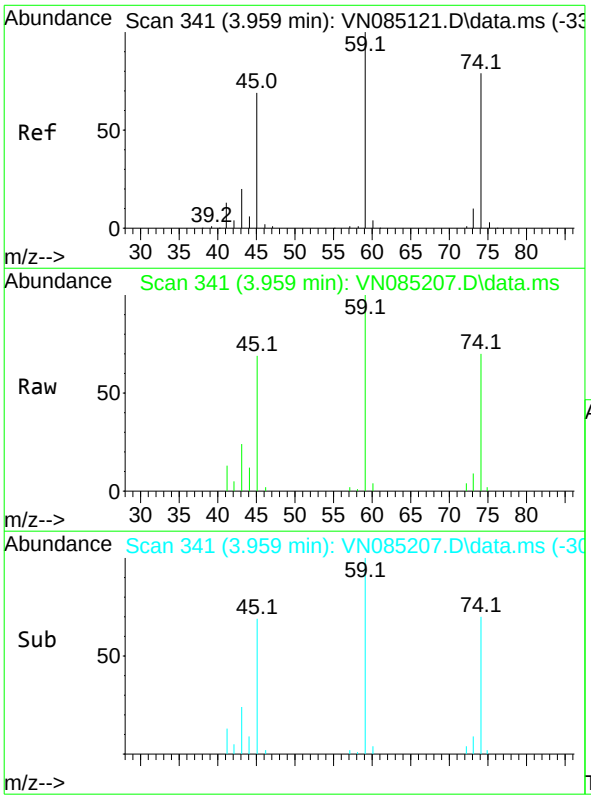
Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.3	76.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

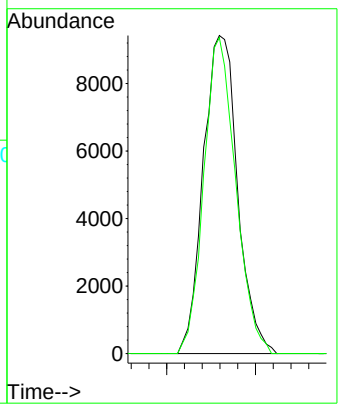
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

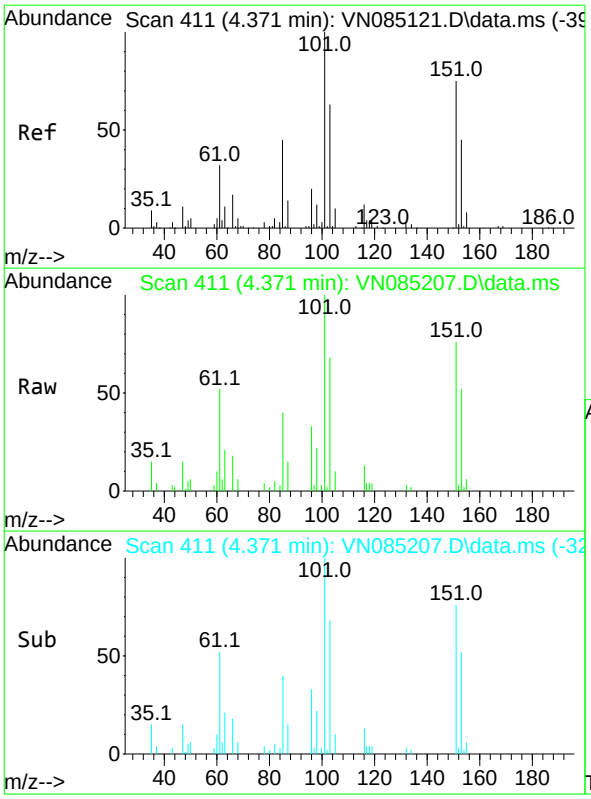


#8
Diethyl Ether
Concen: 20.165 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 74 Resp: 25301

Ion	Ratio	Lower	Upper
74	100		
45	92.2	18.6	167.8

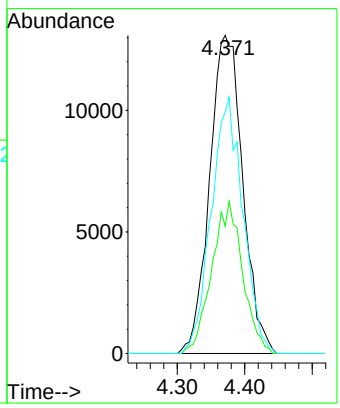




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.159 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:101 Resp: 44657

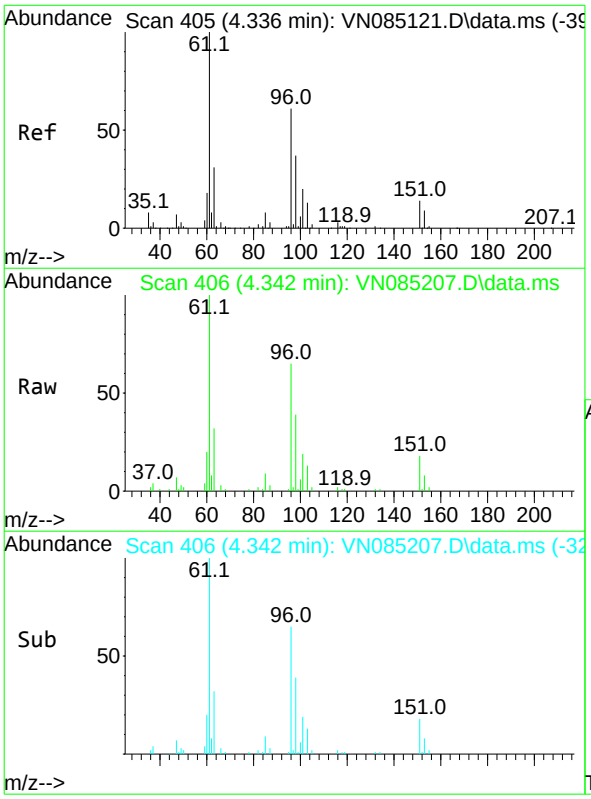
Ion	Ratio	Lower	Upper
101	100		
85	44.5	0.0	88.6
151	77.2	0.0	155.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

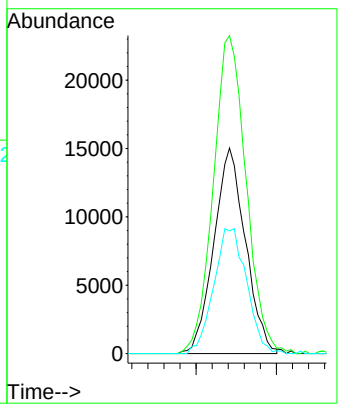
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

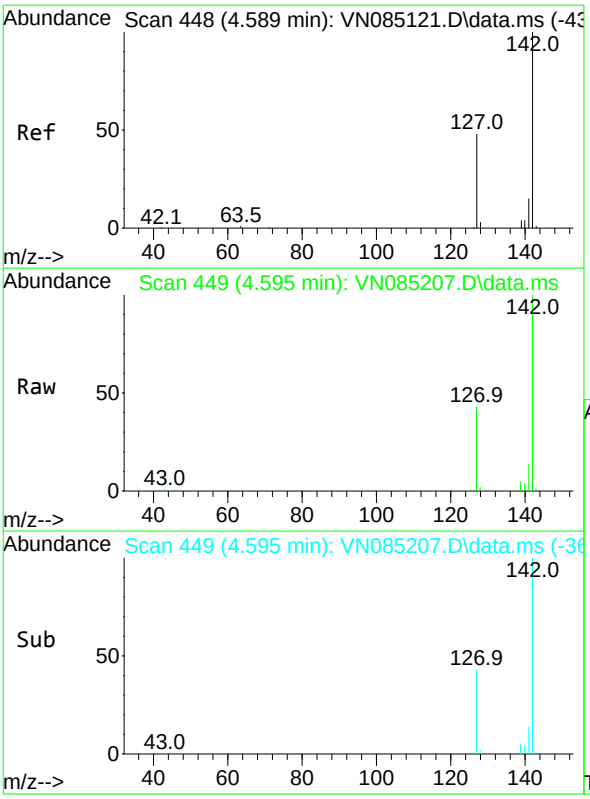


#10
1,1-Dichloroethene
Concen: 20.219 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 96 Resp: 41142

Ion	Ratio	Lower	Upper
96	100		
61	154.7	123.0	184.4
98	59.6	49.1	73.7

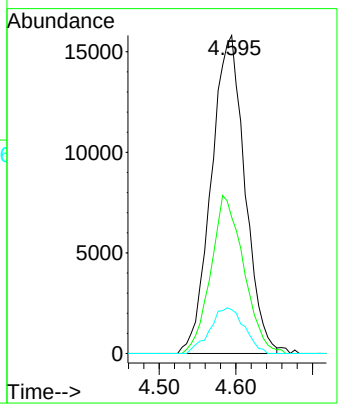




#11
Methyl Iodide
Concen: 17.027 ug/l
RT: 4.595 min Scan# 44
Delta R.T. 0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:142 Resp: 48050

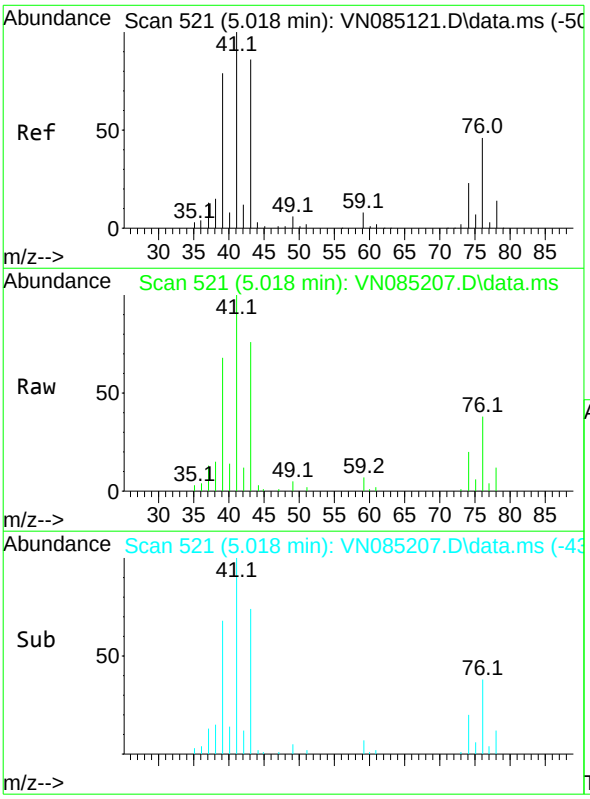
Ion	Ratio	Lower	Upper
142	100		
127	42.6	22.5	67.5
141	13.9	8.3	24.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

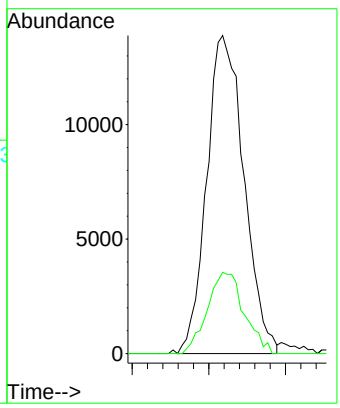
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

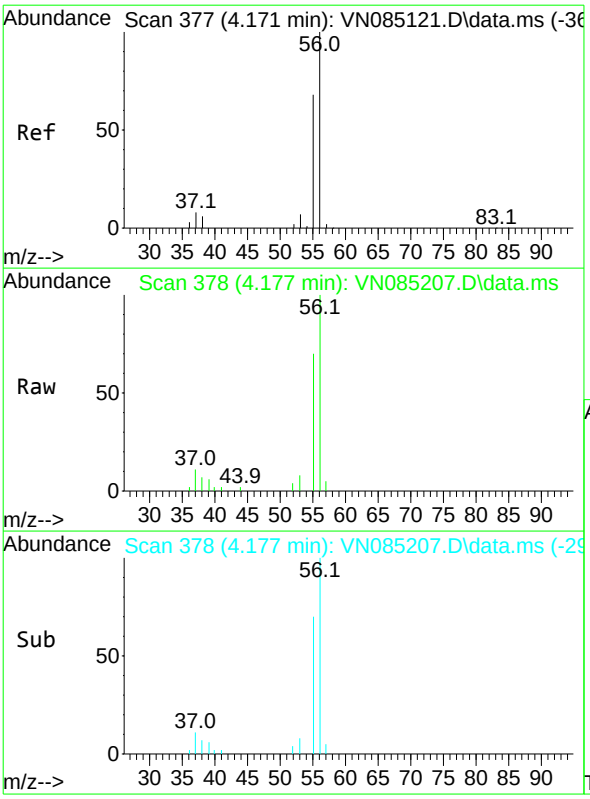


#12
Methyl Acetate
Concen: 19.513 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 43 Resp: 46842

Ion	Ratio	Lower	Upper
43	100		
74	25.9	19.8	29.6

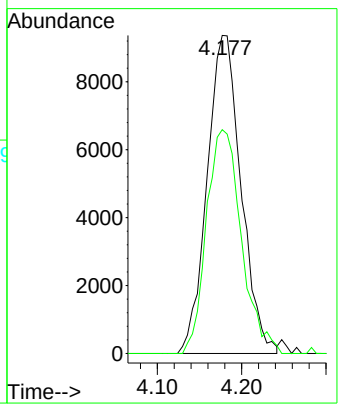




#13
Acrolein
Concen: 75.017 ug/l
RT: 4.177 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 56 Resp: 26169

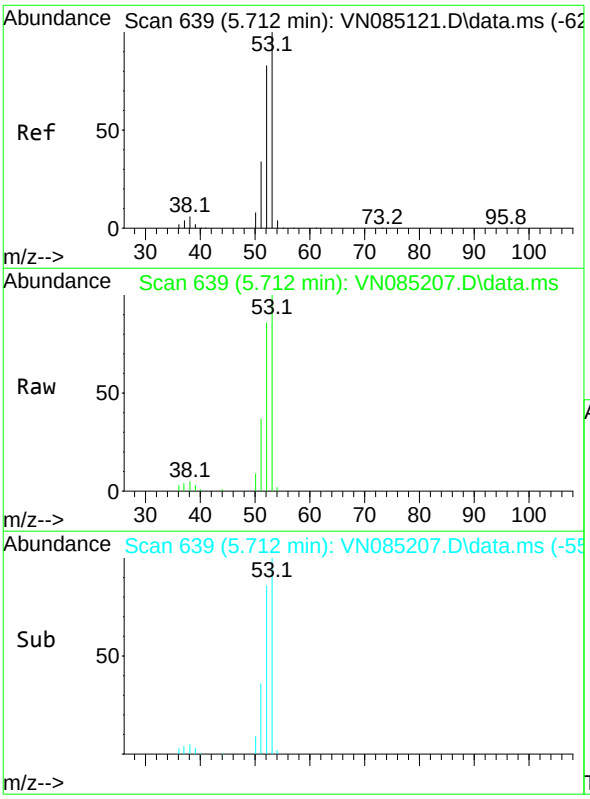
Ion	Ratio	Lower	Upper
56	100		
55	70.7	59.4	89.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

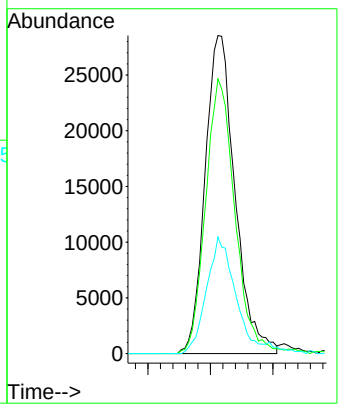
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

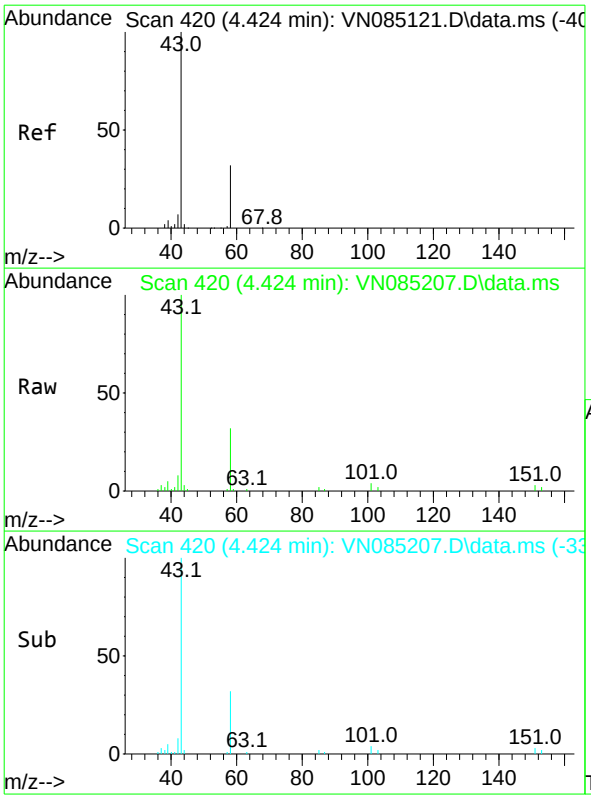


#14
Acrylonitrile
Concen: 95.305 ug/l
RT: 5.712 min Scan# 639
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 53 Resp: 94996

Ion	Ratio	Lower	Upper
53	100		
52	83.9	42.9	128.5
51	35.1	17.2	51.5

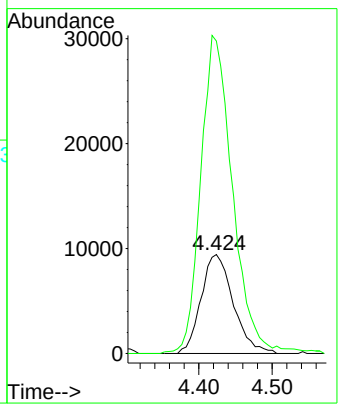




#15
Acetone
Concen: 106.386 ug/l
RT: 4.424 min Scan# 42
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 58 Resp: 28736

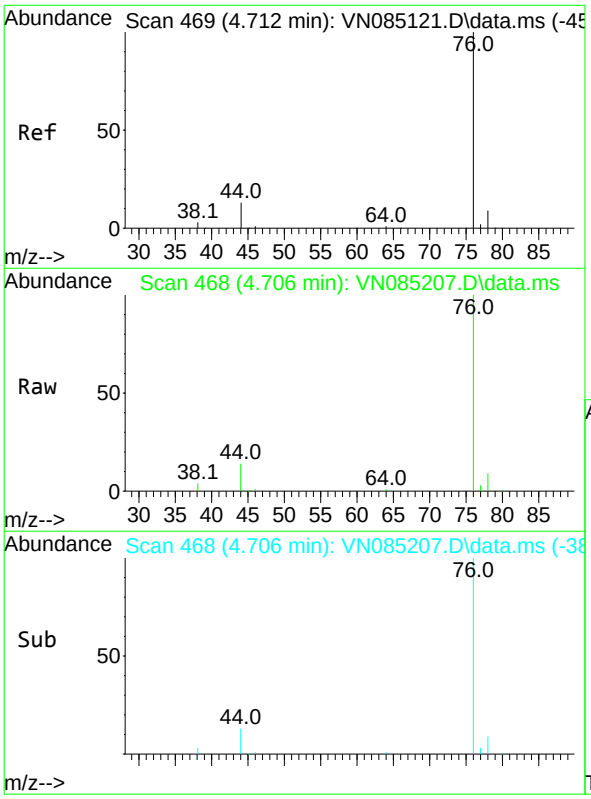
Ion	Ratio	Lower	Upper
58	100		
43	311.0	242.3	363.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

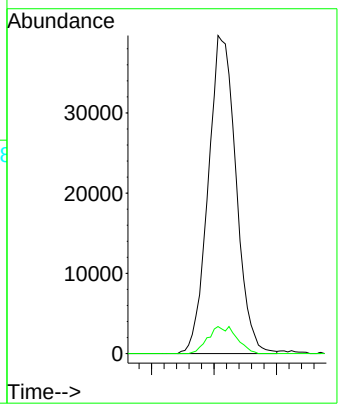
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

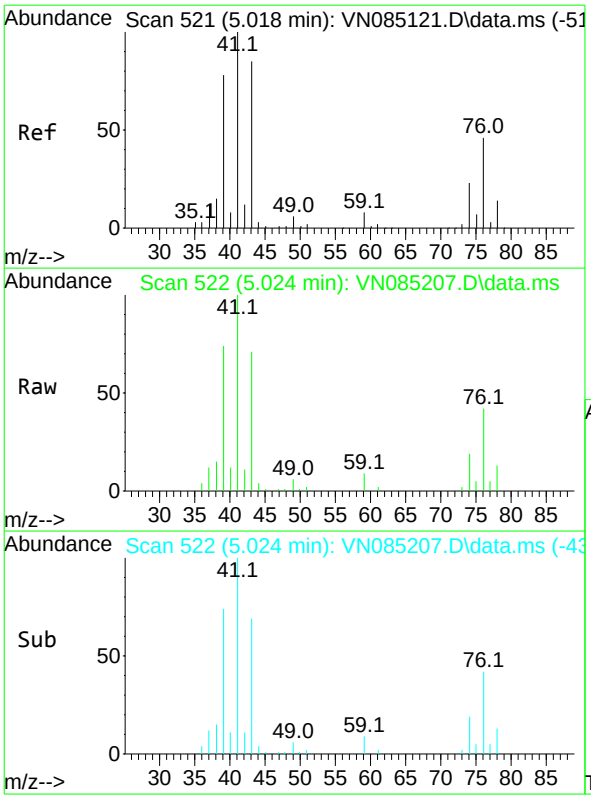


#16
Carbon Disulfide
Concen: 20.161 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 76 Resp: 122618

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.1	10.7

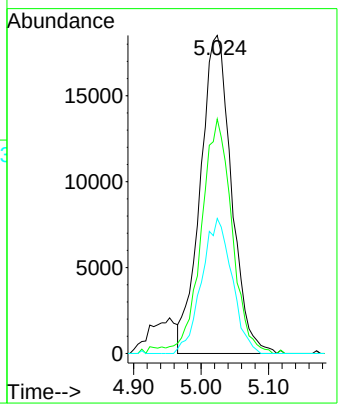




#17
Allyl chloride
Concen: 20.428 ug/l
RT: 5.024 min Scan# 52
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 41 Resp: 59479

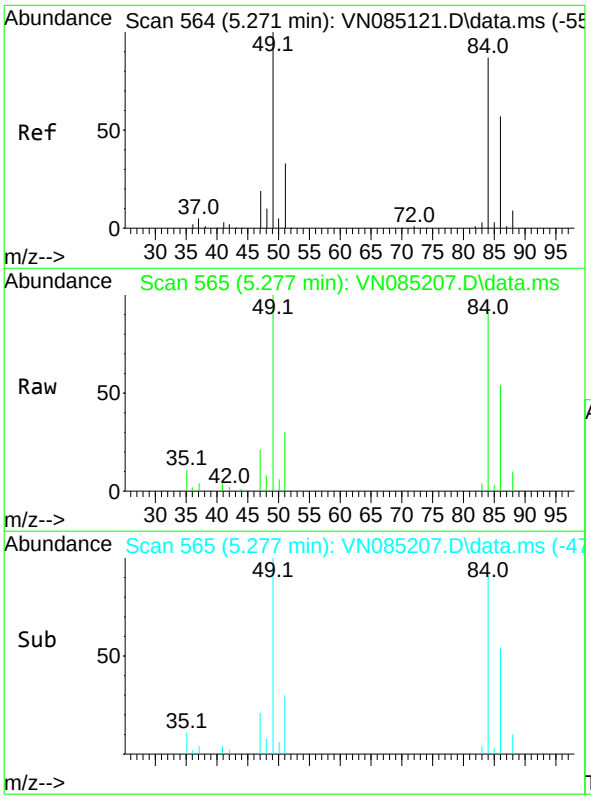
Ion	Ratio	Lower	Upper
41	100		
39	73.7	32.0	96.2
76	42.4	20.2	60.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

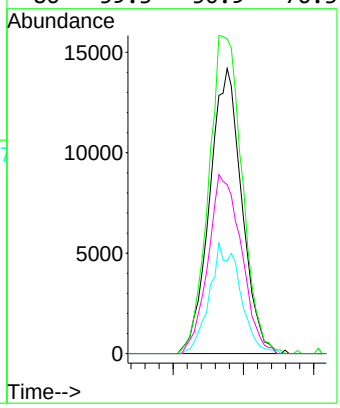
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

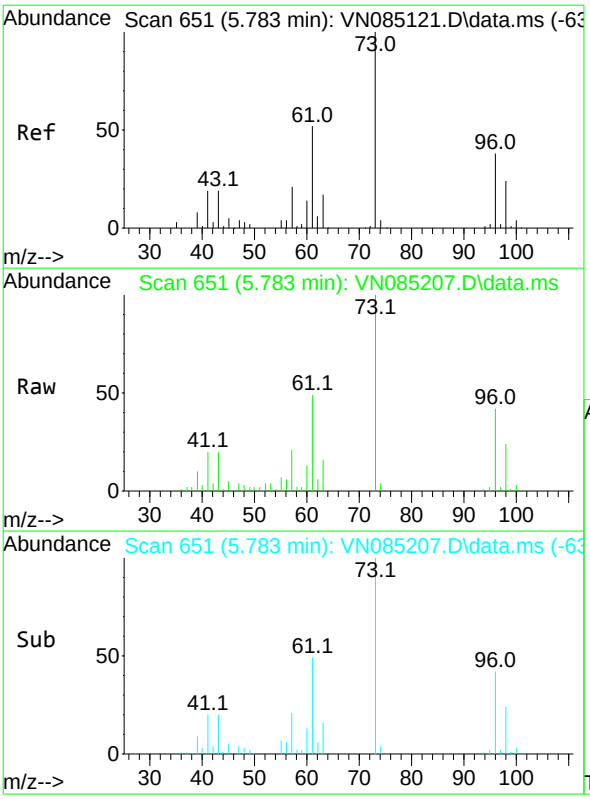


#18
Methylene Chloride
Concen: 19.515 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 84 Resp: 45057

Ion	Ratio	Lower	Upper
84	100		
49	110.5	95.1	142.7
51	32.6	27.4	41.0
86	59.3	50.9	76.3

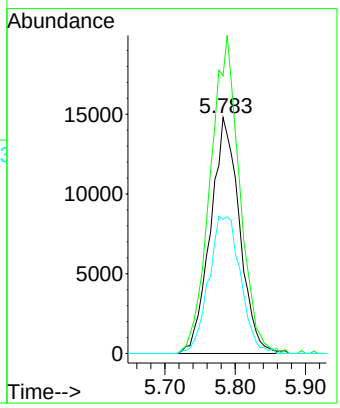




#19
trans-1,2-Dichloroethene
Concen: 20.081 ug/l
RT: 5.783 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 96 Resp: 42471

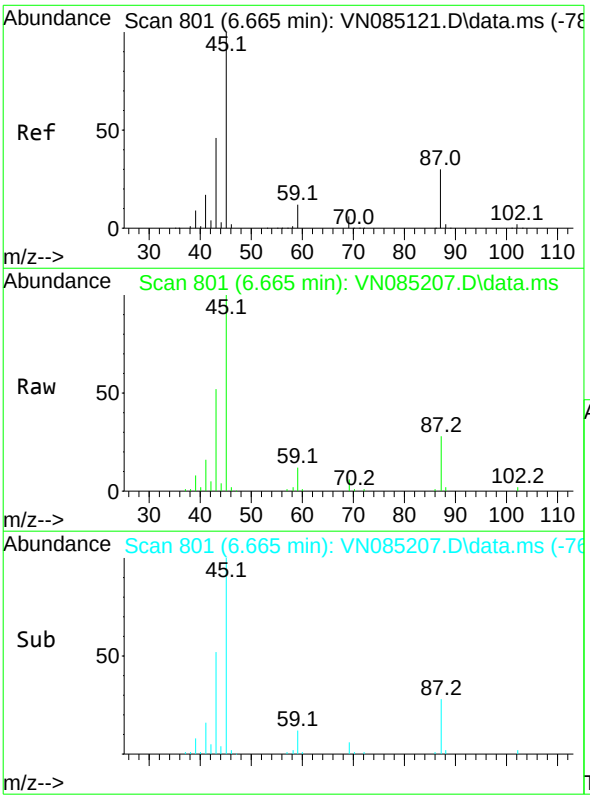
Ion	Ratio	Lower	Upper
96	100		
61	117.7	100.4	150.6
98	56.9	52.6	79.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

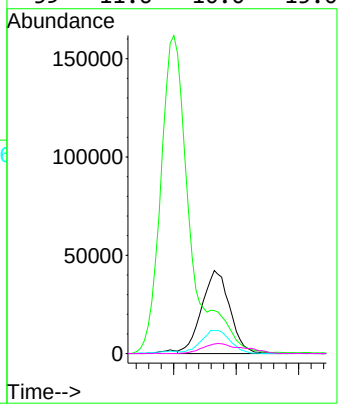
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

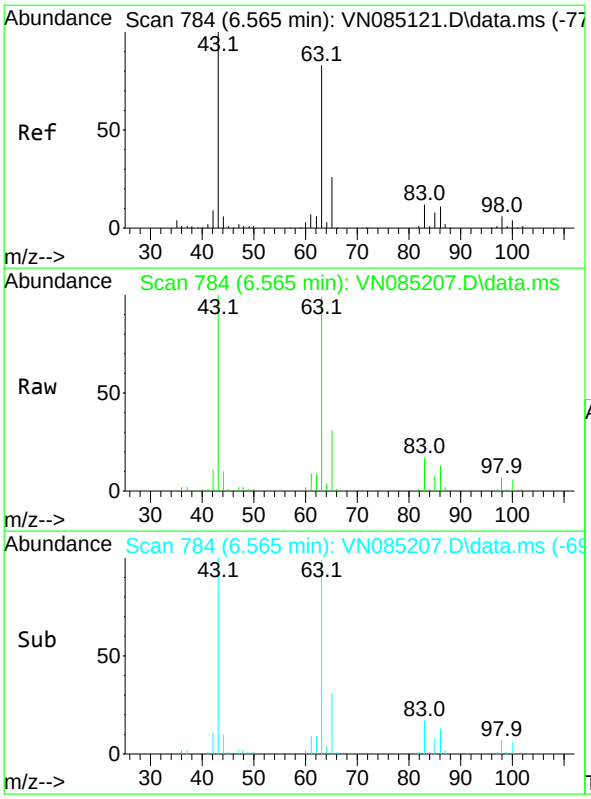


#20
Diisopropyl ether
Concen: 20.625 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 45 Resp: 131789

Ion	Ratio	Lower	Upper
45	100		
43	50.1	41.9	62.9
87	27.7	24.1	36.1
59	11.6	10.0	15.0

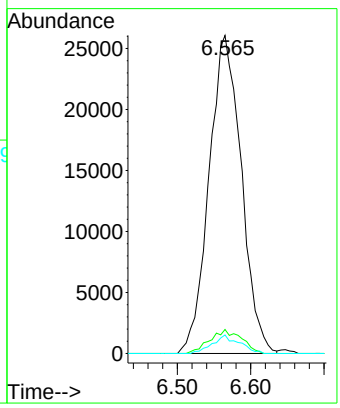




#21
1,1-Dichloroethane
Concen: 20.207 ug/l
RT: 6.565 min Scan# 78
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 63 Resp: 79692

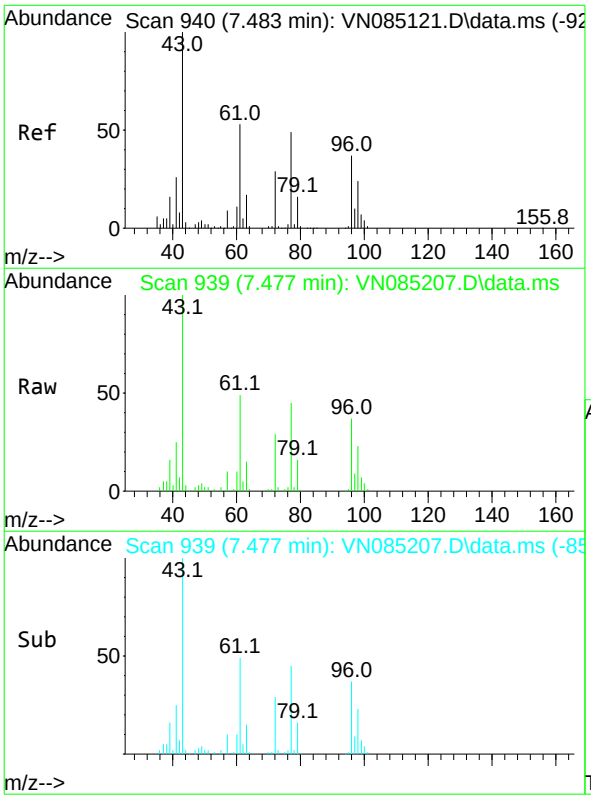
Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.5	10.4
100	5.8	1.6	4.8#



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

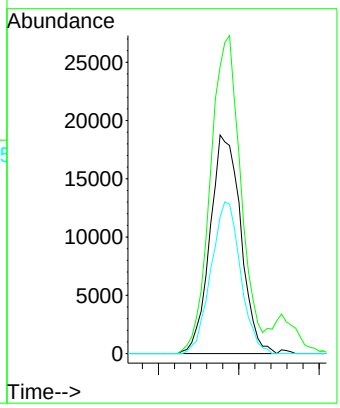
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

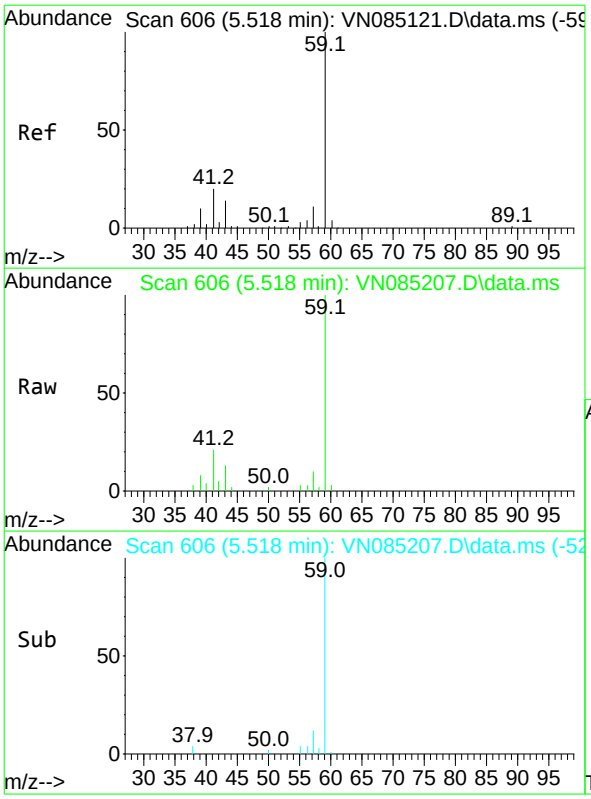


#22
cis-1,2-Dichloroethene
Concen: 20.511 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.012 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 96 Resp: 49862

Ion	Ratio	Lower	Upper
96	100		
61	143.7	115.9	173.9
98	66.7	51.8	77.8

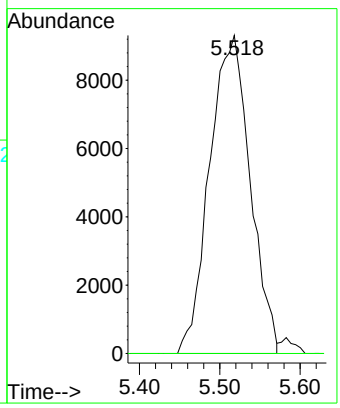




#23
tert-Butyl Alcohol
Concen: 91.223 ug/l
RT: 5.518 min Scan# 60
Delta R.T. 0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 59 Resp: 32619

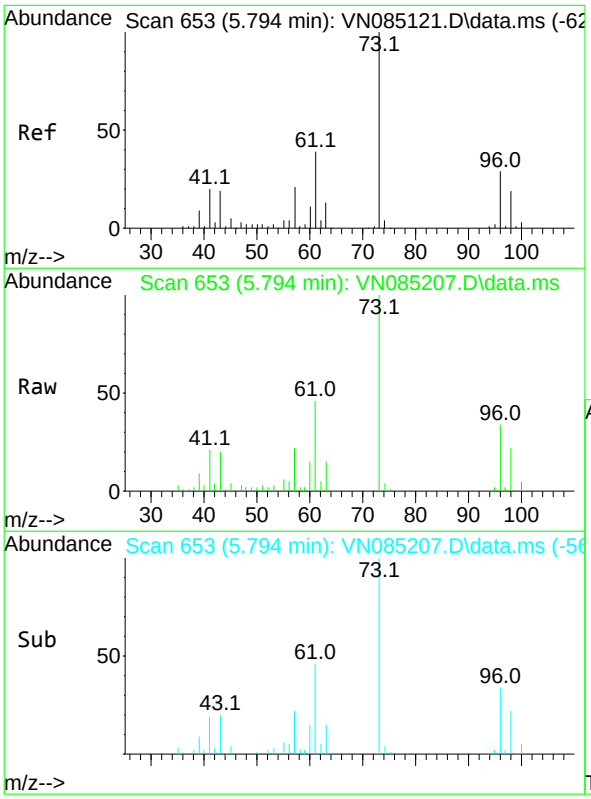
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

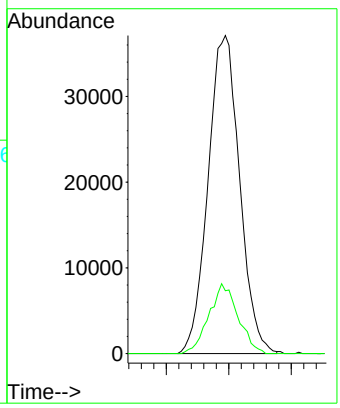
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

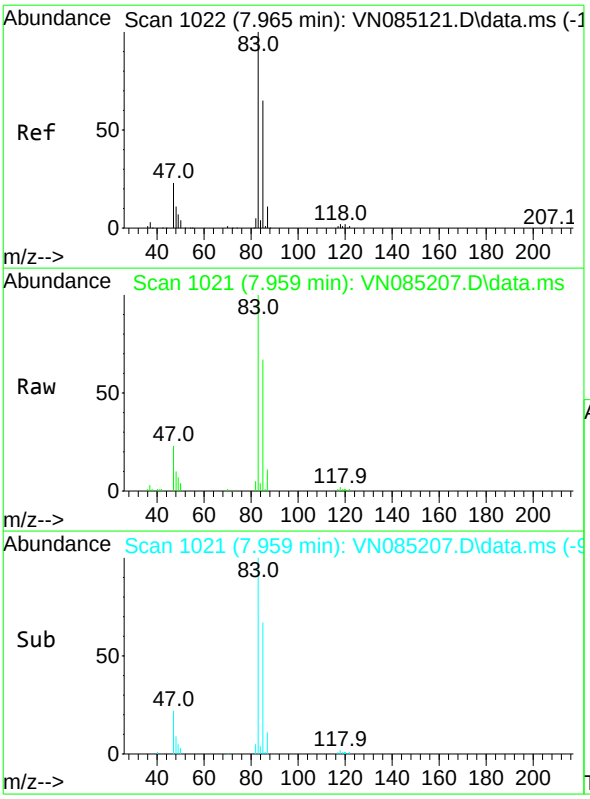


#24
Methyl tert-Butyl Ether
Concen: 20.480 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 73 Resp: 130198

Ion	Ratio	Lower	Upper
73	100		
43	20.3	8.7	13.1#

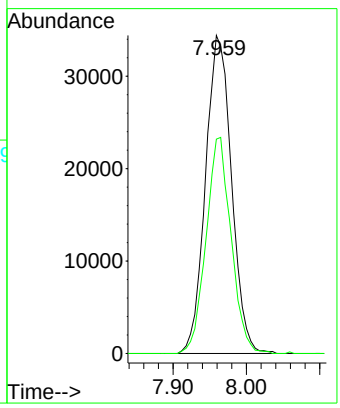




#25
Chloroform
Concen: 20.530 ug/l
RT: 7.959 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 83 Resp: 84820

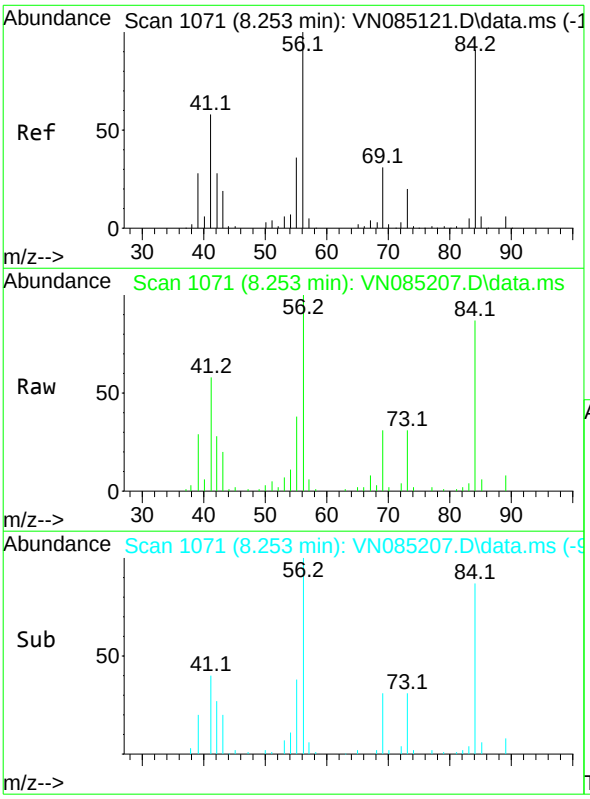
Ion	Ratio	Lower	Upper
83	100		
85	67.4	49.4	74.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

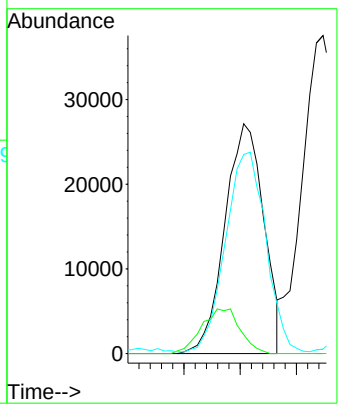
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

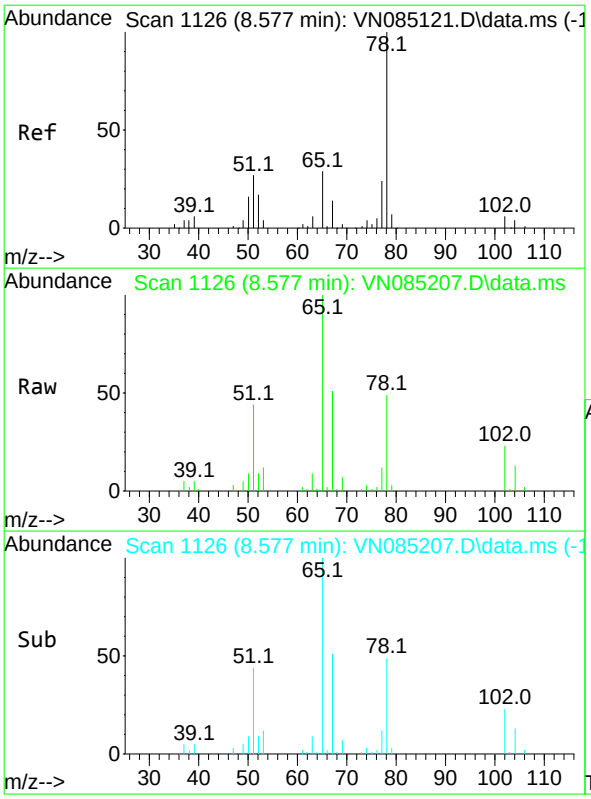


#26
Cyclohexane
Concen: 20.069 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 56 Resp: 65168

Ion	Ratio	Lower	Upper
56	100		
89	19.4	19.5	29.3#
84	92.1	70.6	105.8

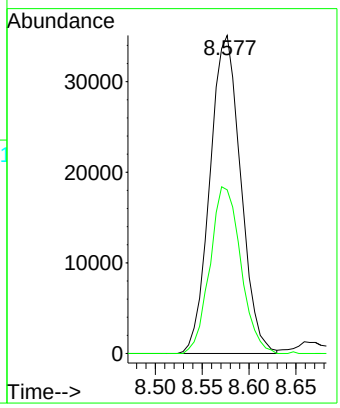




#27
1,2-Dichloroethane-d4
Concen: 30.226 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 65 Resp: 80133

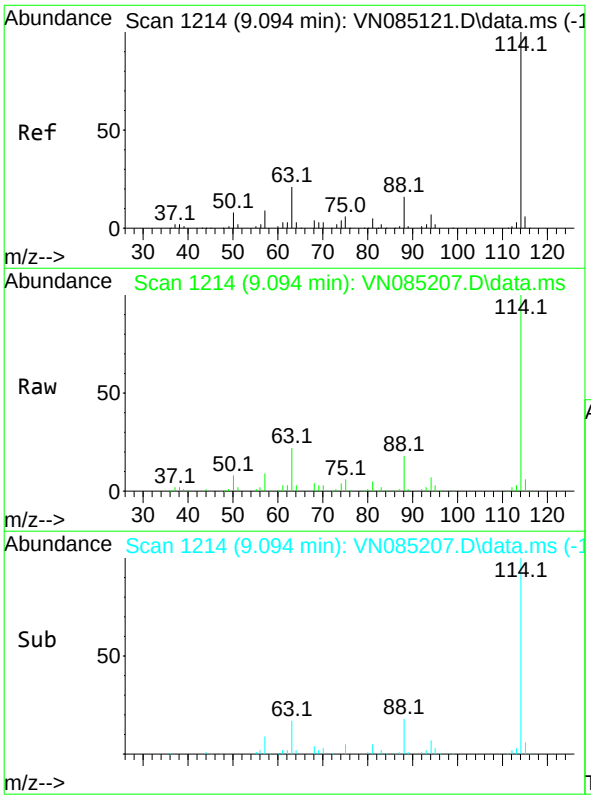
Ion	Ratio	Lower	Upper
65	100		
67	52.4	39.9	59.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

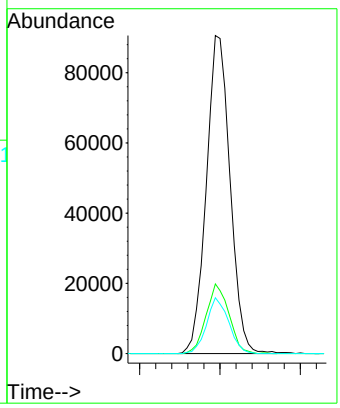
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

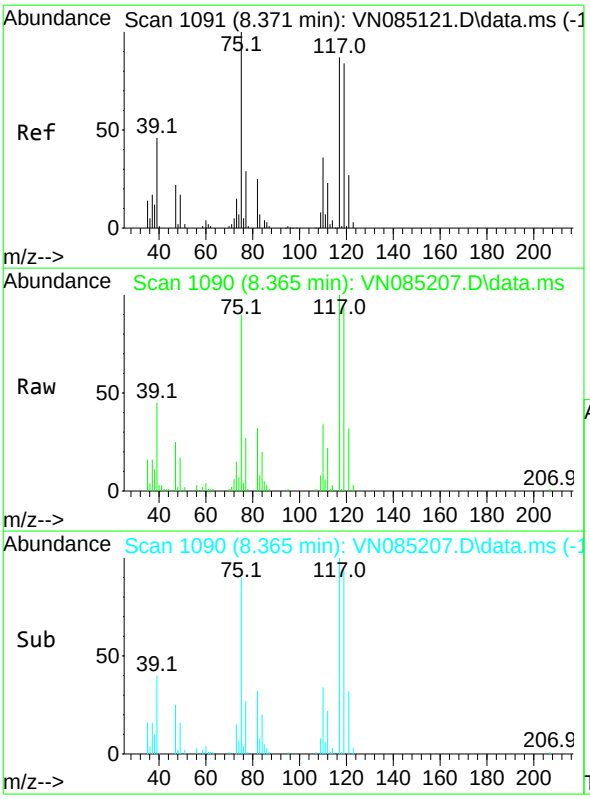


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:114 Resp: 185962

Ion	Ratio	Lower	Upper
114	100		
63	21.0	16.2	24.2
88	16.4	12.5	18.7

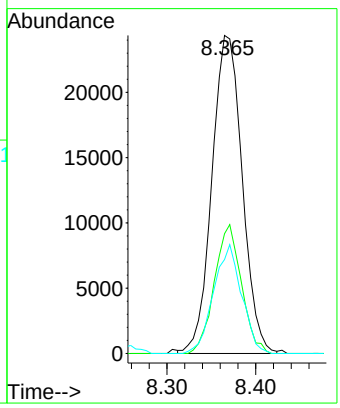




#29
1,1-Dichloropropene
Concen: 19.254 ug/l
RT: 8.365 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 75 Resp: 57776

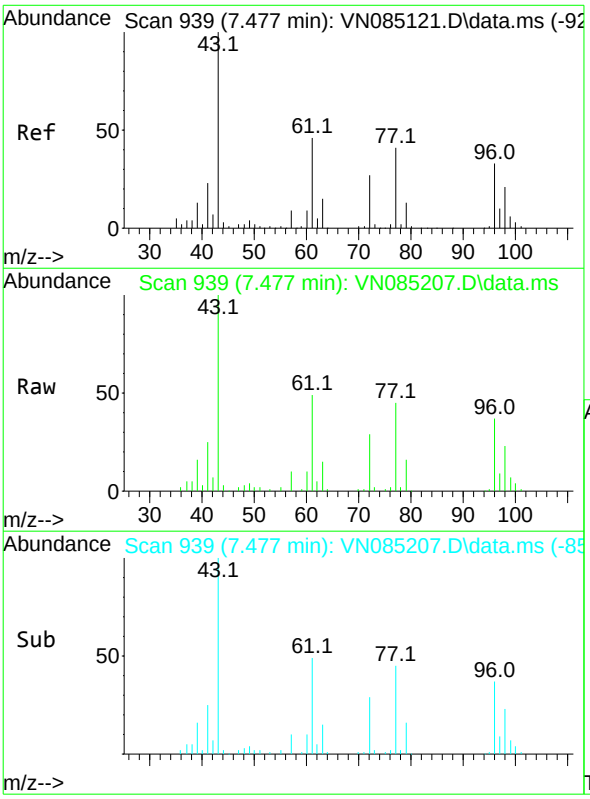
Ion	Ratio	Lower	Upper
75	100		
110	36.1	0.0	71.6
77	31.6	0.0	62.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

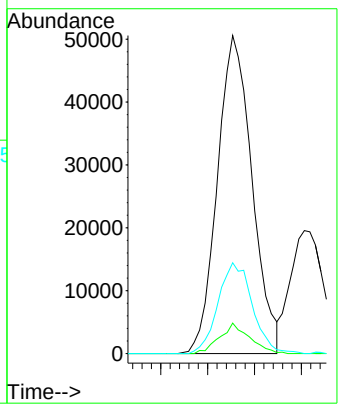
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

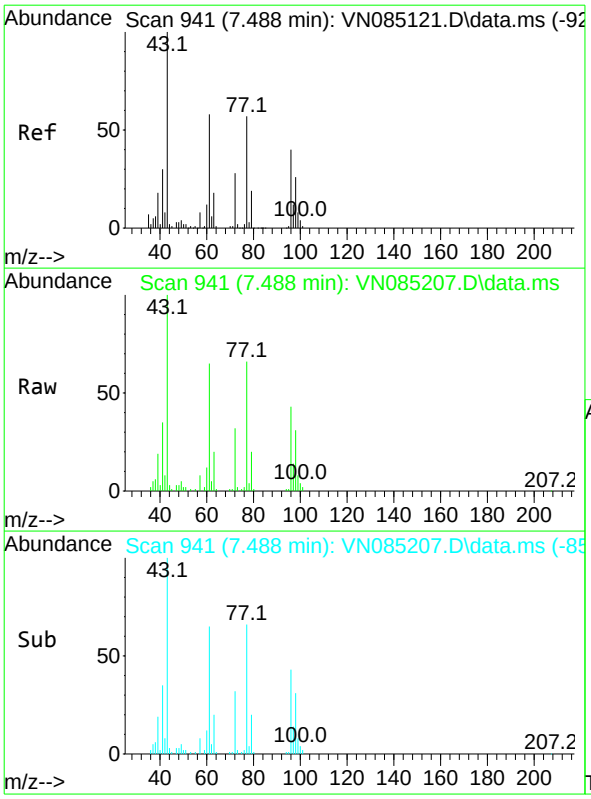


#30
2-Butanone
Concen: 94.489 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 43 Resp: 130116

Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.9	10.3
72	28.2	21.8	32.8

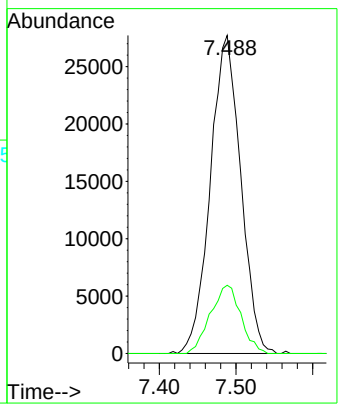




#31
2,2-Dichloropropane
Concen: 19.826 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 77 Resp: 76289

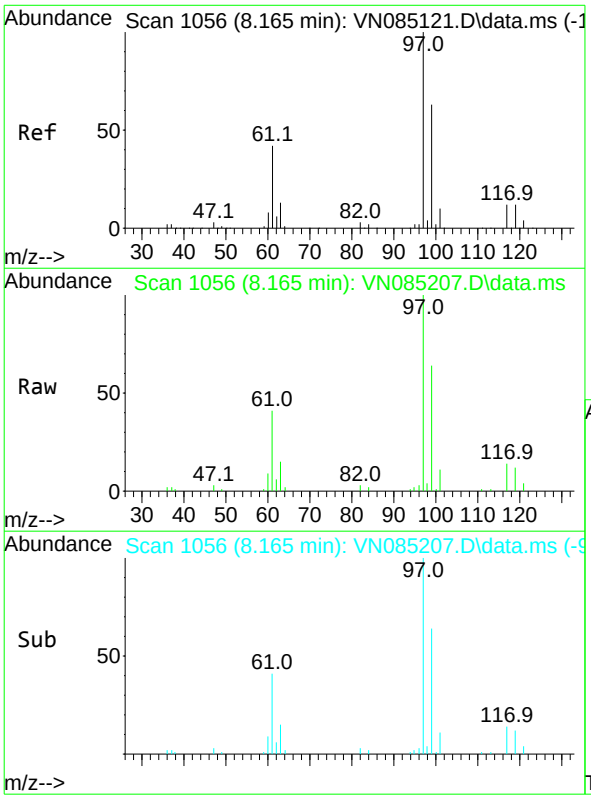
Ion	Ratio	Lower	Upper
77	100		
97	21.5	0.0	0.0#



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

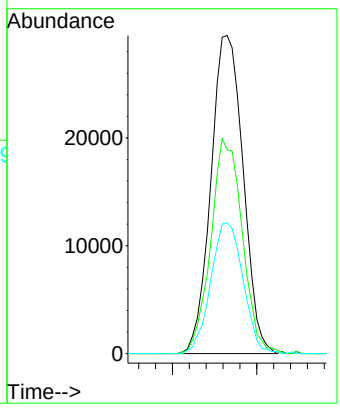
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

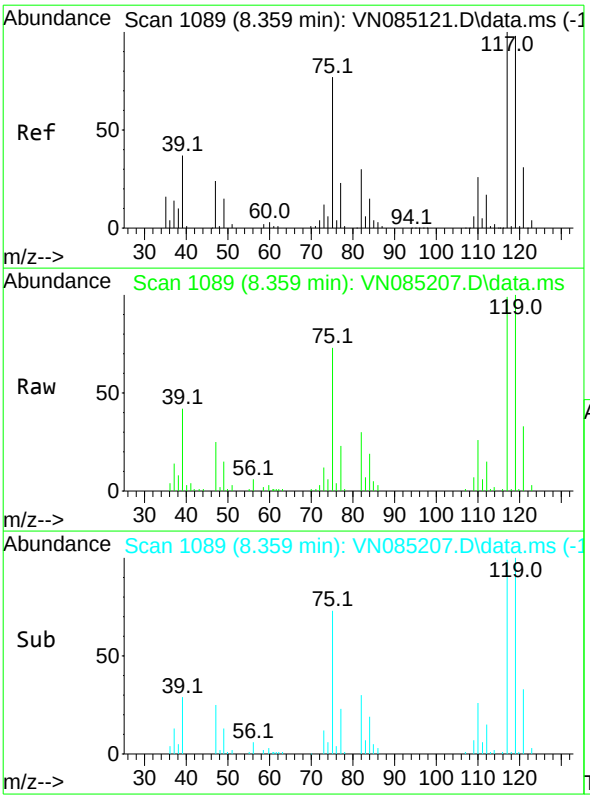


#32
1,1,1-Trichloroethane
Concen: 19.264 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 97 Resp: 78244

Ion	Ratio	Lower	Upper
97	100		
99	65.9	50.8	76.2
61	41.2	32.7	49.1

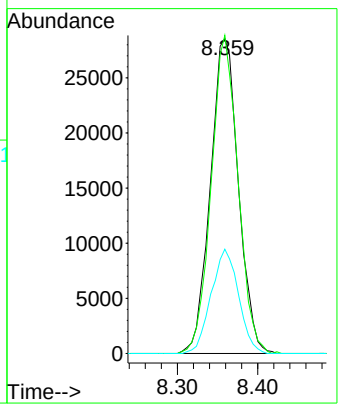




#33
Carbon Tetrachloride
Concen: 18.888 ug/l
RT: 8.359 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:117 Resp: 69225

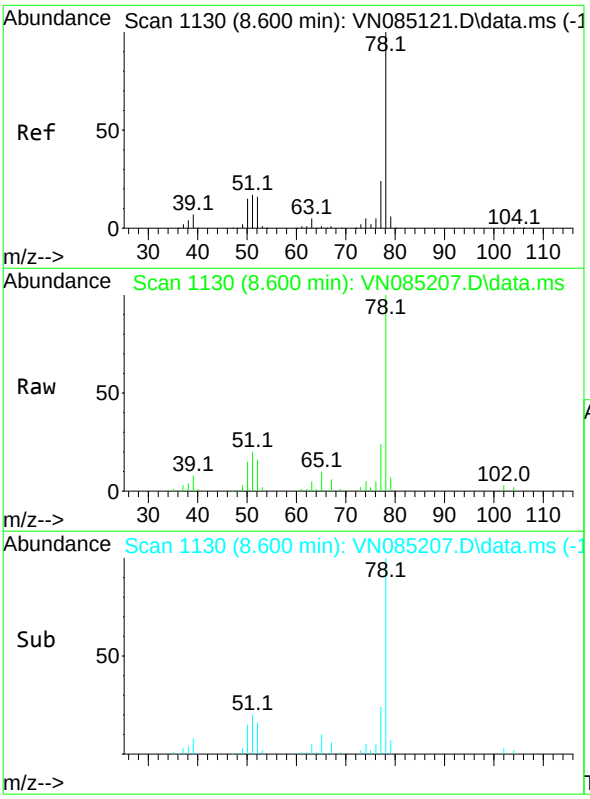
Ion	Ratio	Lower	Upper
117	100		
119	101.0	81.6	122.4
121	33.1	26.5	39.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

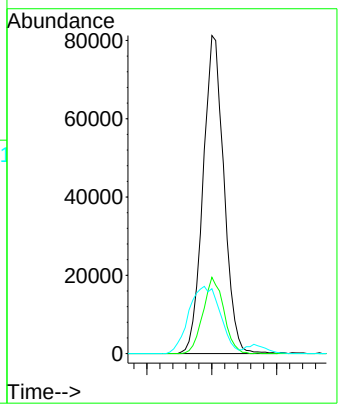
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

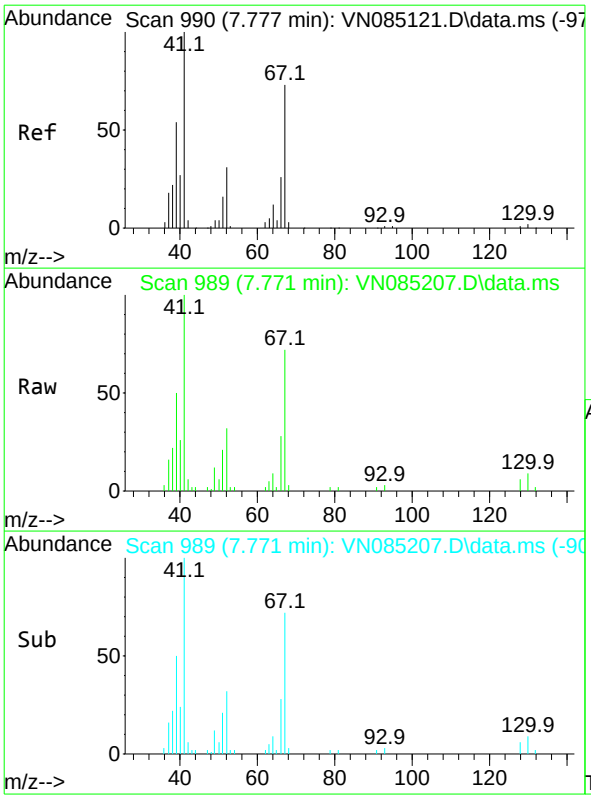


#34
Benzene
Concen: 19.246 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 78 Resp: 181426

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.0	27.0
51	20.0	12.4	18.6#

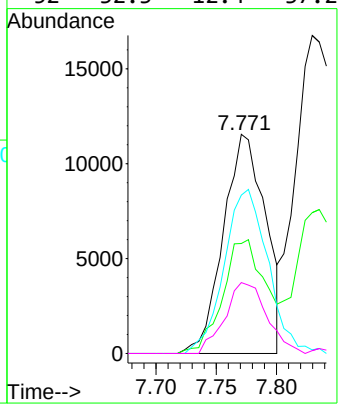




#35
Methacrylonitrile
Concen: 18.152 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 41 Resp: 28129

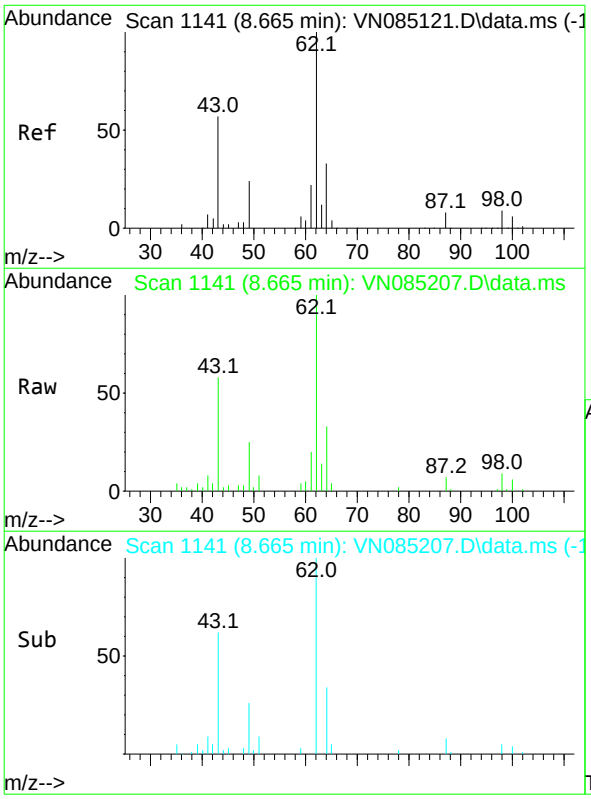
Ion	Ratio	Lower	Upper
41	100		
39	50.2	24.4	73.2
67	72.3	37.0	110.9
52	32.3	12.4	37.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

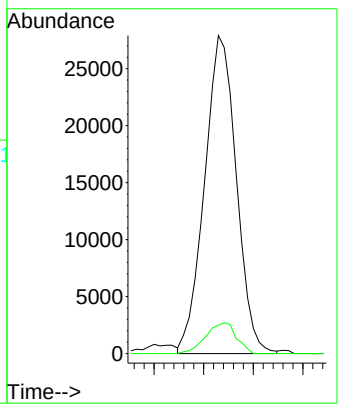
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

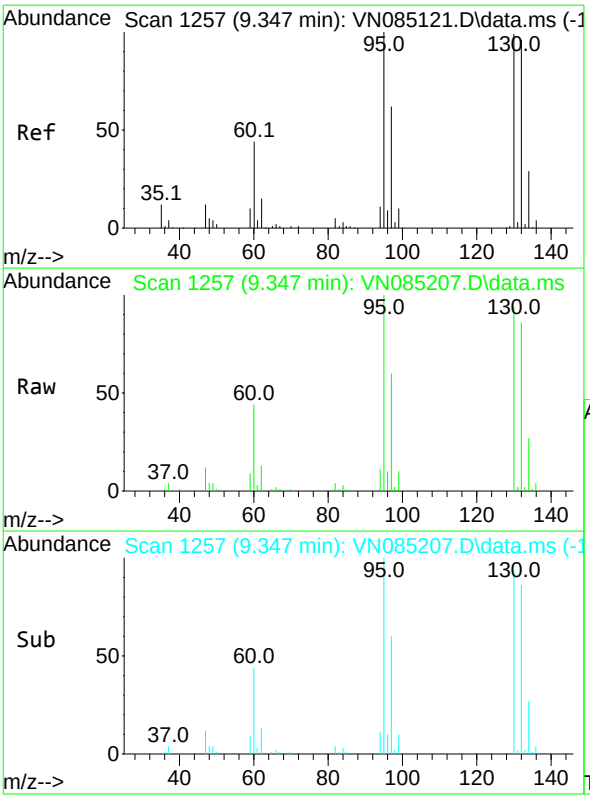


#36
1,2-Dichloroethane
Concen: 19.368 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 62 Resp: 62153

Ion	Ratio	Lower	Upper
62	100		
98	9.3	7.3	10.9

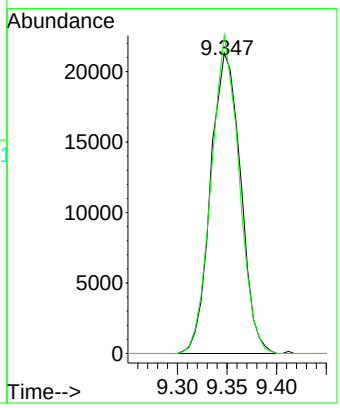




#37
Trichloroethene
Concen: 19.949 ug/l
RT: 9.347 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:130 Resp: 44782

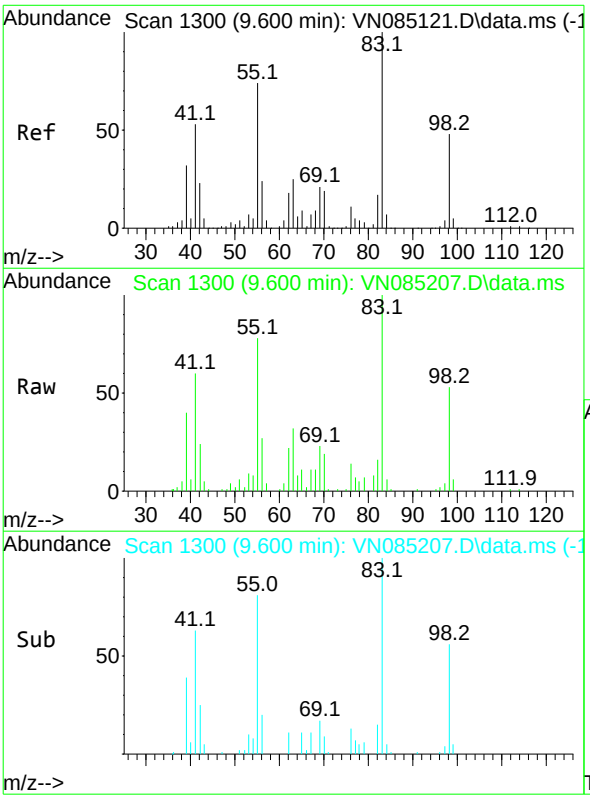
Ion	Ratio	Lower	Upper
130	100		
95	105.9	76.2	114.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
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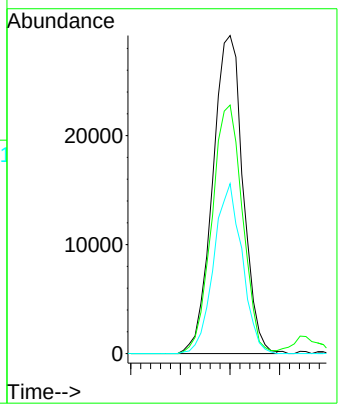
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

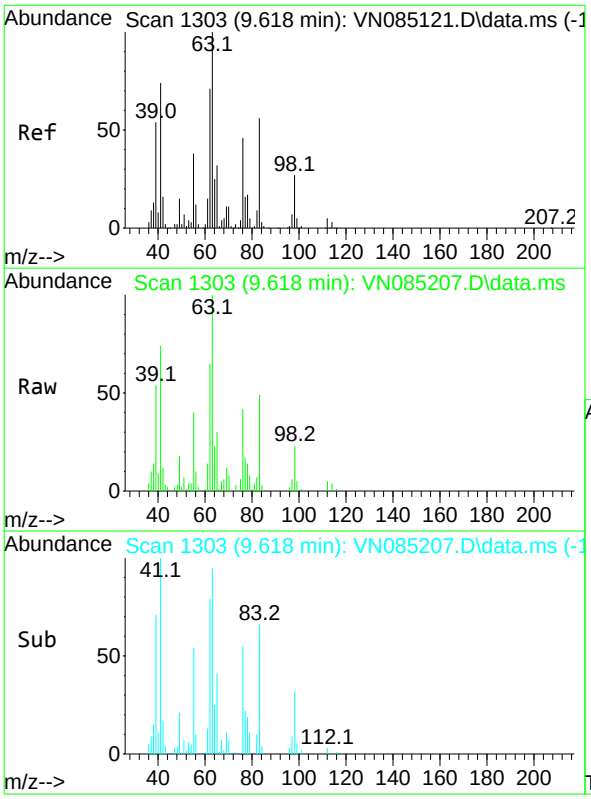


#38
Methylcyclohexane
Concen: 19.000 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 83 Resp: 61994

Ion	Ratio	Lower	Upper
83	100		
55	79.1	41.4	124.4
98	49.9	25.7	77.1

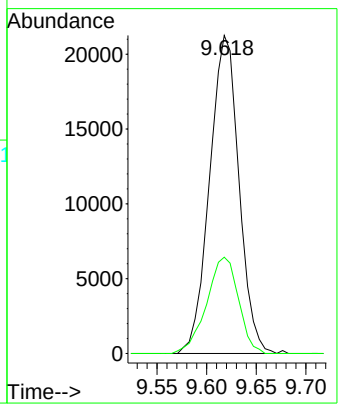




#39
1,2-Dichloropropane
Concen: 19.143 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 63 Resp: 43708

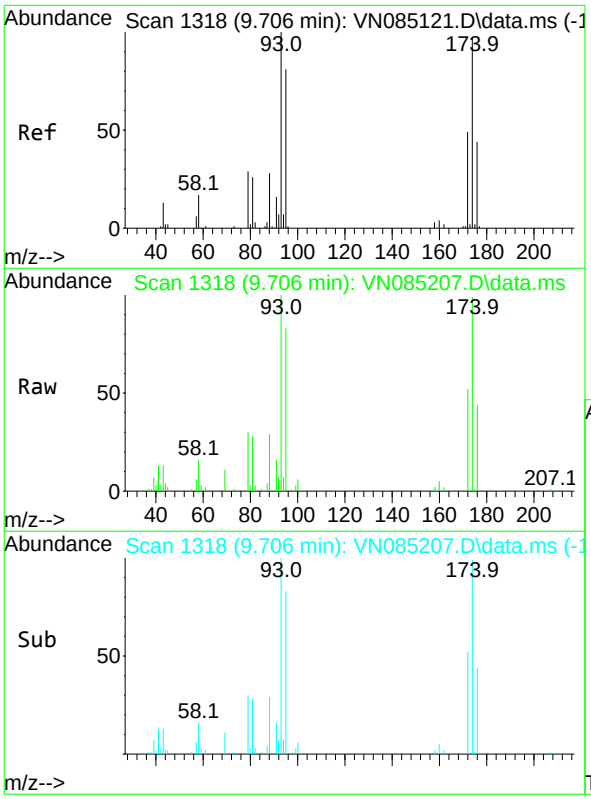
Ion	Ratio	Lower	Upper
63	100		
65	30.3	23.4	35.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

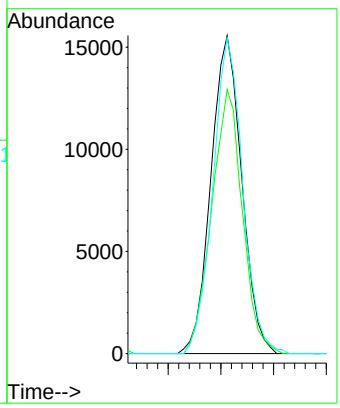
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

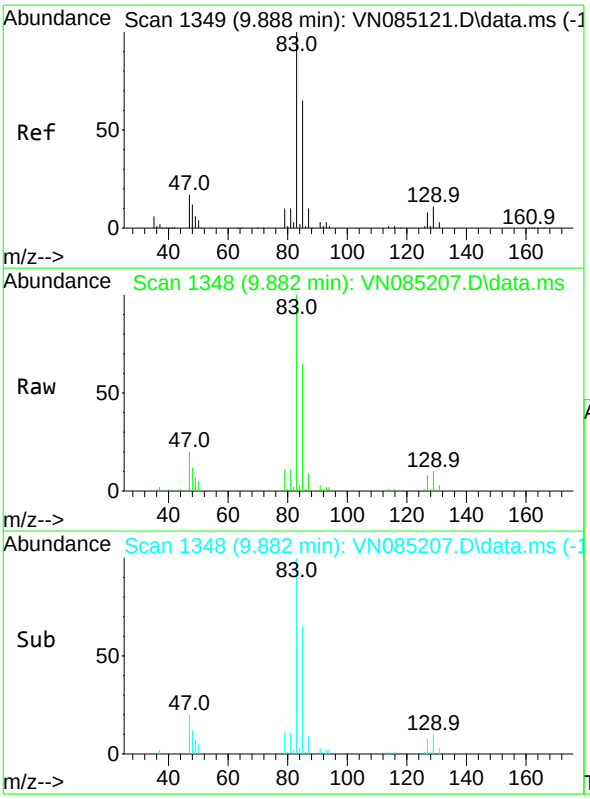


#40
Dibromomethane
Concen: 19.271 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 93 Resp: 31562

Ion	Ratio	Lower	Upper
93	100		
95	82.7	0.0	169.4
174	96.3	0.0	189.8

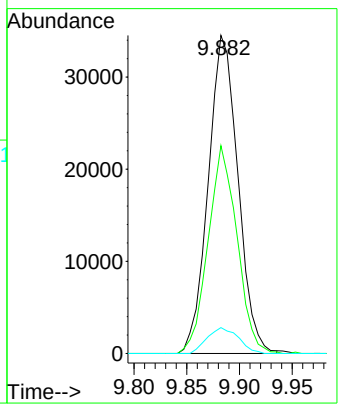




#41
Bromodichloromethane
Concen: 19.343 ug/l
RT: 9.882 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 83 Resp: 67723

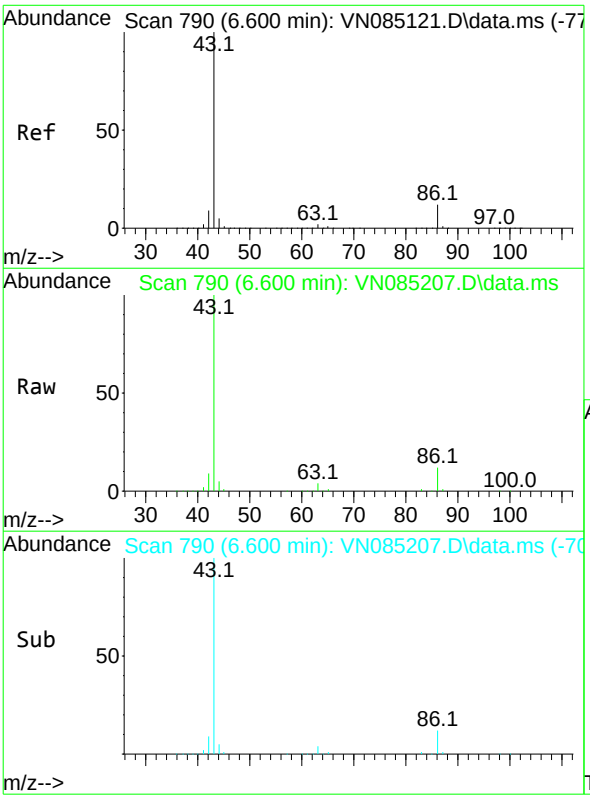
Ion	Ratio	Lower	Upper
83	100		
85	65.3	54.6	81.8
127	8.1	7.0	10.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

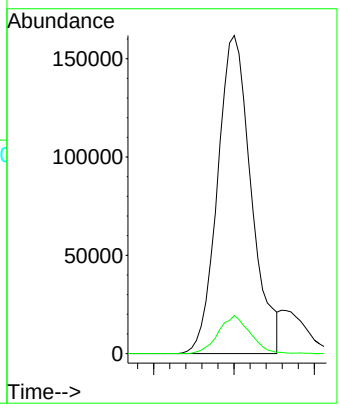
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

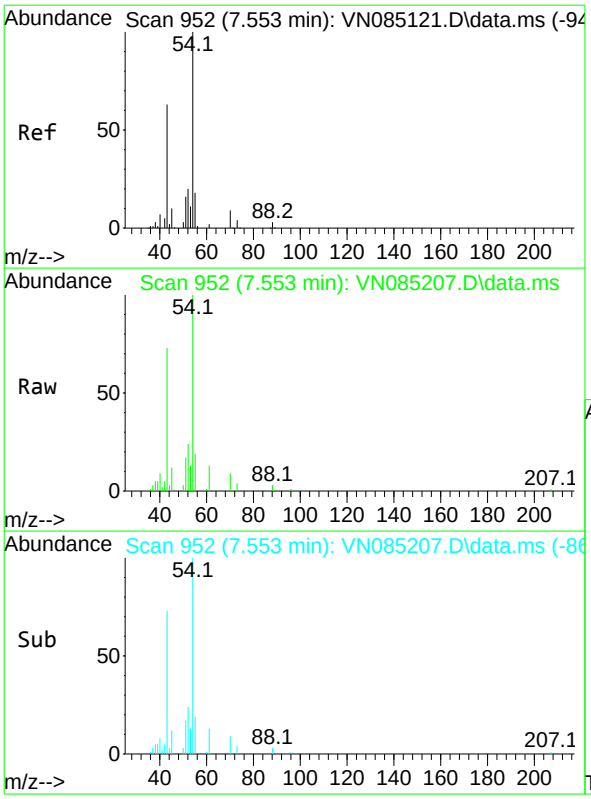


#42
Vinyl Acetate
Concen: 97.906 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 43 Resp: 471771

Ion	Ratio	Lower	Upper
43	100		
86	11.2	9.2	13.8





#43
Ethyl Acetate
Concen: 18.066 ug/l
RT: 7.553 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

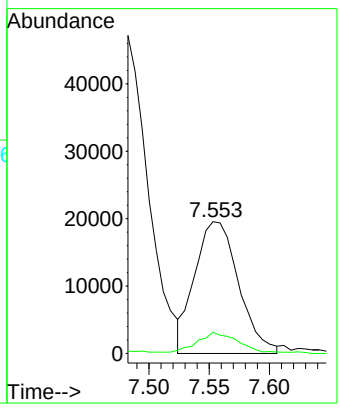
Tgt Ion: 43 Resp: 49499

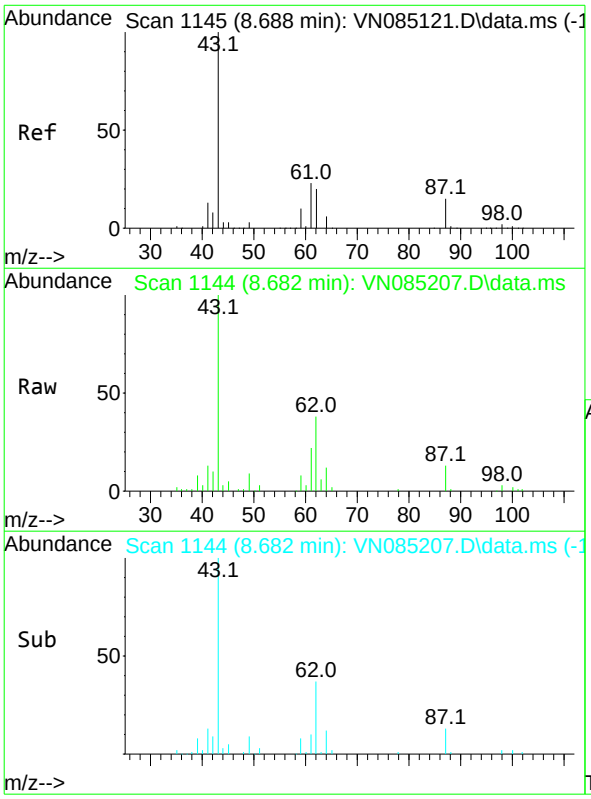
Ion	Ratio	Lower	Upper
43	100		
45	14.9	13.3	19.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

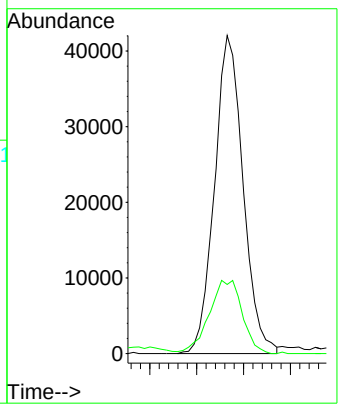


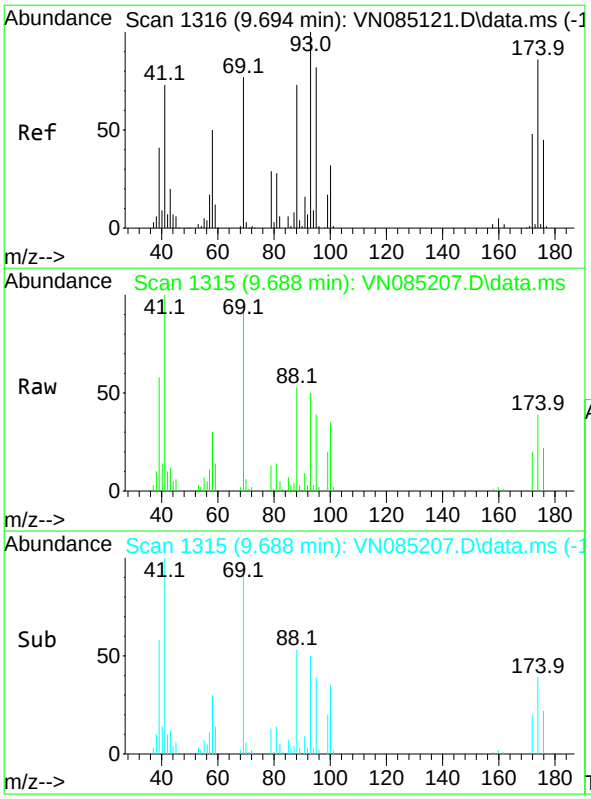


#44
Isopropyl Acetate
Concen: 18.694 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 43 Resp: 89011

Ion	Ratio	Lower	Upper
43	100		
61	26.7	21.5	32.3

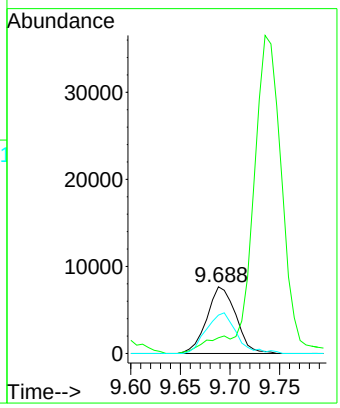




#45
1,4-Dioxane
Concen: 392.939 ug/l
RT: 9.688 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 88 Resp: 15602

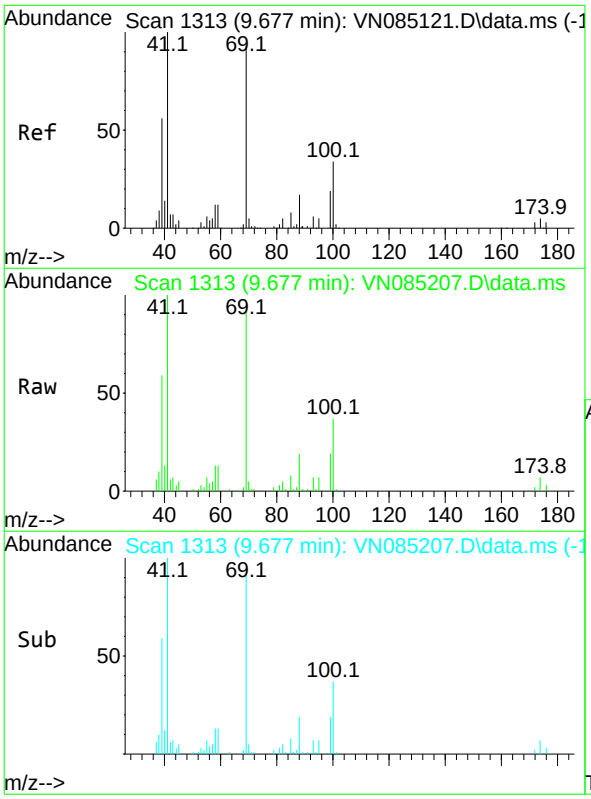
Ion	Ratio	Lower	Upper
88	100		
43	24.2	21.7	32.5
58	62.3	52.6	79.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

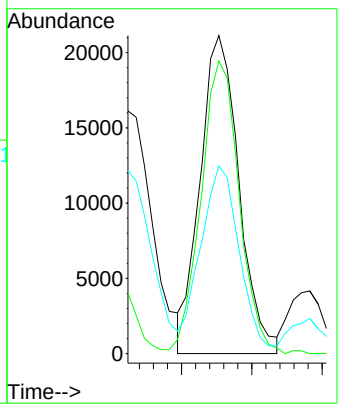
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

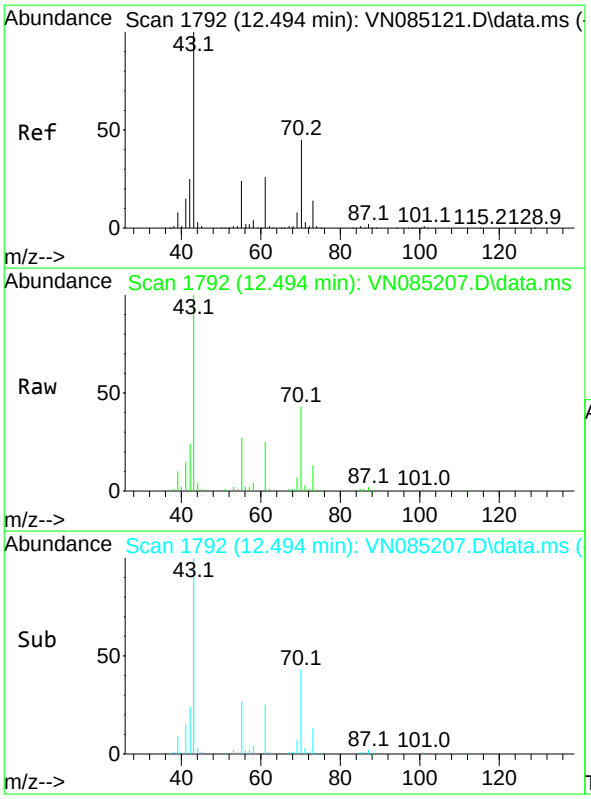


#46
Methyl methacrylate
Concen: 18.632 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 41 Resp: 40601

Ion	Ratio	Lower	Upper
41	100		
69	95.2	46.7	140.0
39	59.6	28.5	85.5

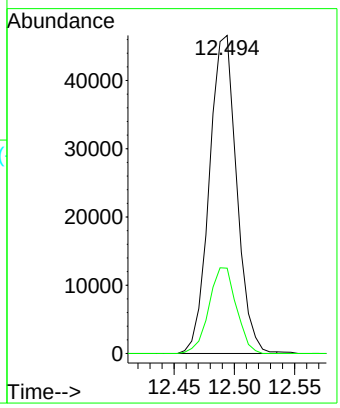




#47
n-amyl Acetate
Concen: 18.361 ug/l
RT: 12.494 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 43 Resp: 73556

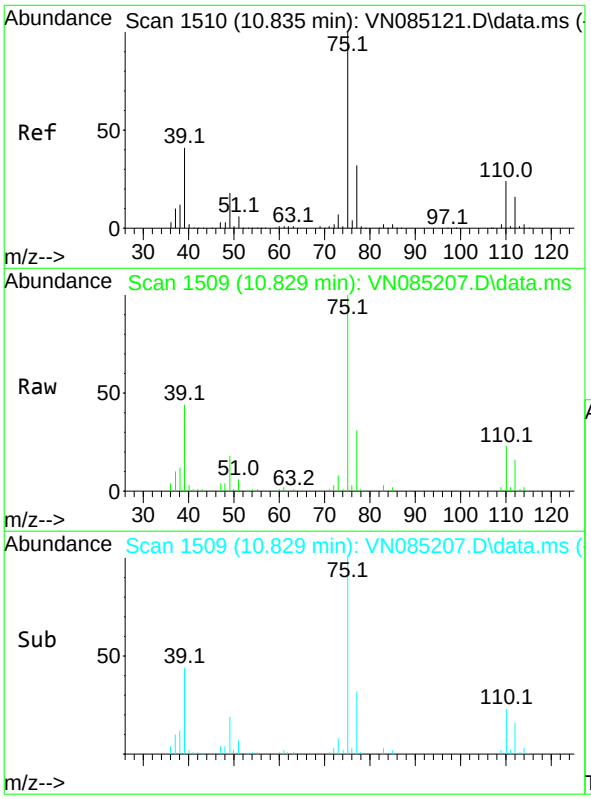
Ion	Ratio	Lower	Upper
43	100		
55	27.0	23.3	34.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

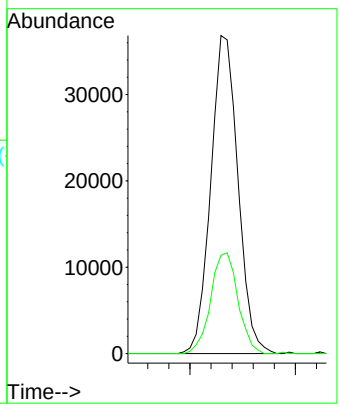
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

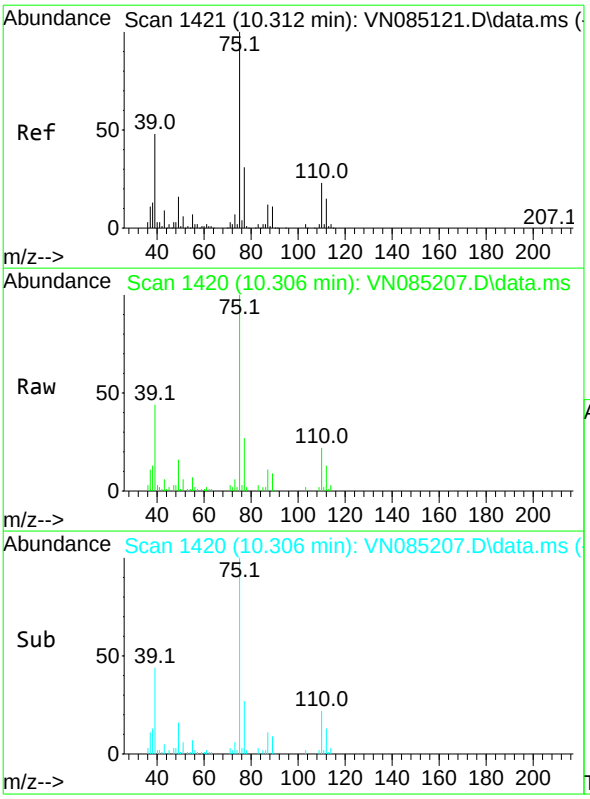


#48
t-1,3-Dichloropropene
Concen: 19.202 ug/l
RT: 10.829 min Scan# 1509
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 75 Resp: 65995

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.5	38.3

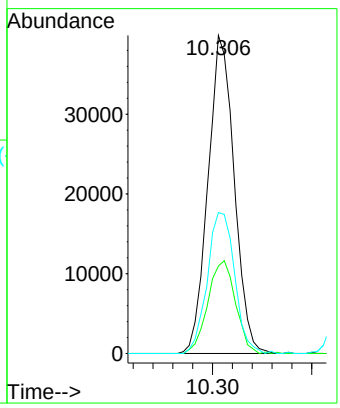




#49
cis-1,3-Dichloropropene
Concen: 19.544 ug/l
RT: 10.306 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 75 Resp: 73124

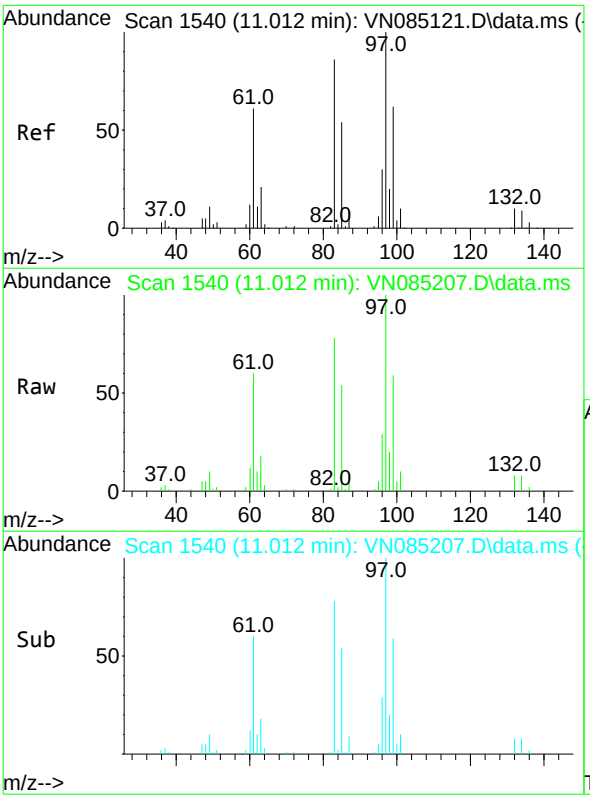
Ion	Ratio	Lower	Upper
75	100		
77	27.5	23.8	35.6
39	44.3	37.3	55.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

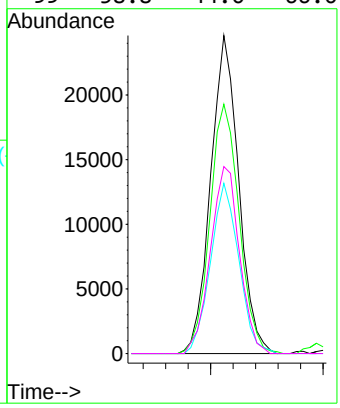
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

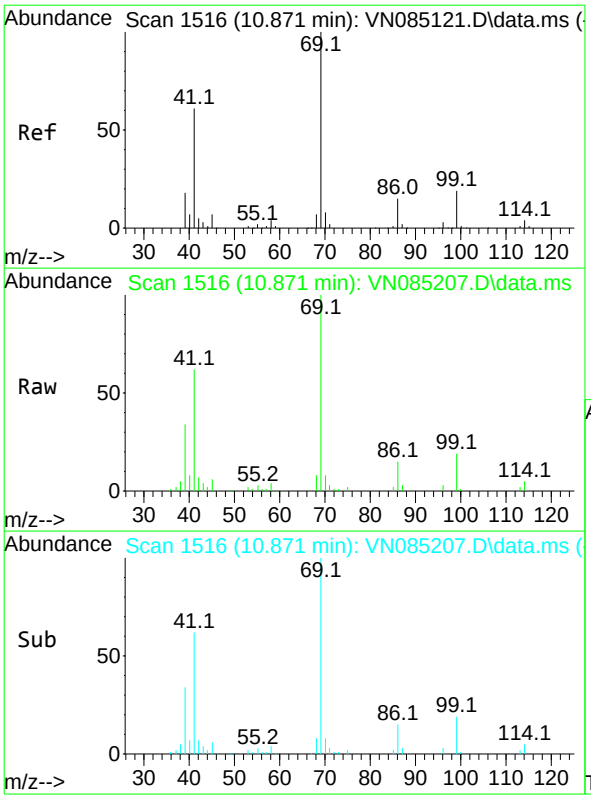


#50
1,1,2-Trichloroethane
Concen: 19.311 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 97 Resp: 42618

Ion	Ratio	Lower	Upper
97	100		
83	78.4	65.8	98.8
85	53.5	40.8	61.2
99	58.8	44.0	66.0

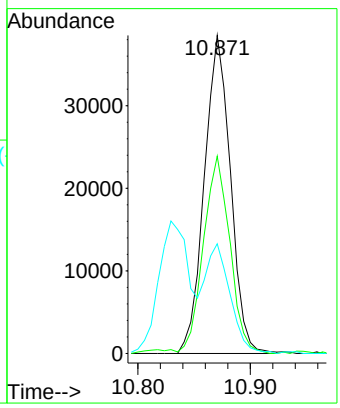




#51
Ethyl methacrylate
Concen: 18.569 ug/l
RT: 10.871 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 69 Resp: 62332

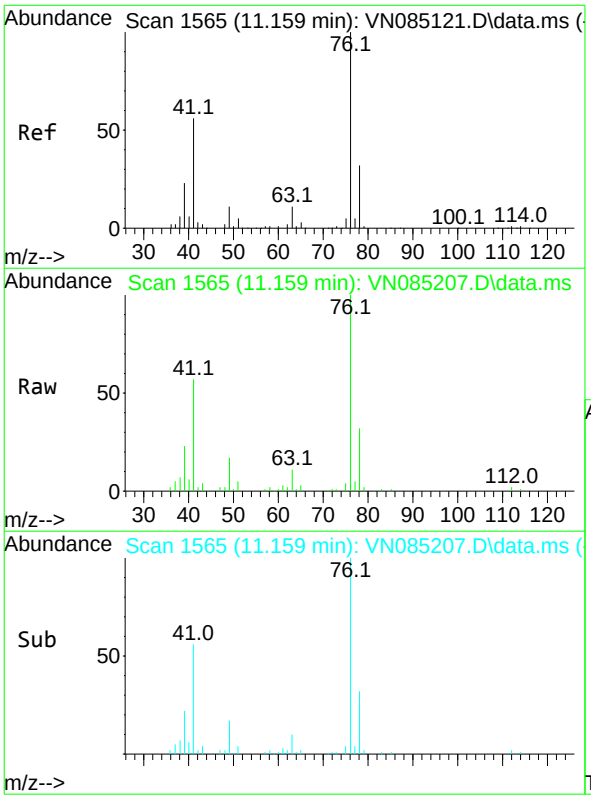
Ion	Ratio	Lower	Upper
69	100		
41	62.0	32.1	96.3
39	34.5	18.8	56.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

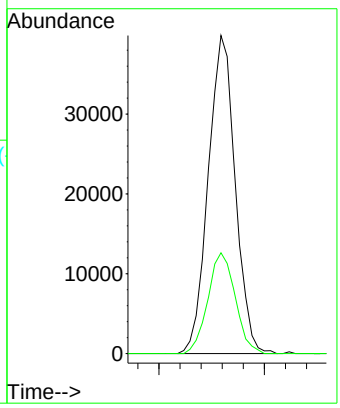
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

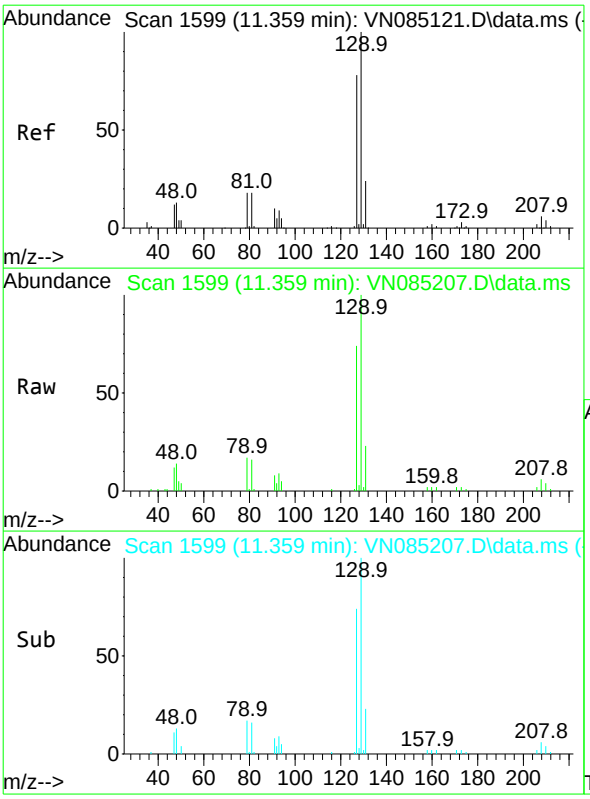


#52
1,3-Dichloropropane
Concen: 19.192 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 76 Resp: 70887

Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	65.6

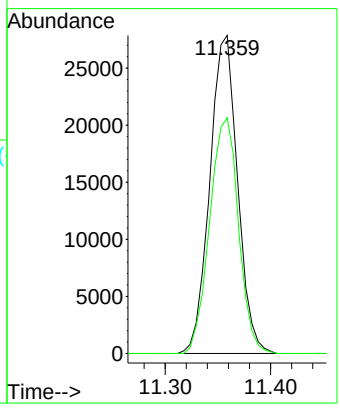




#53
Dibromochloromethane
Concen: 18.970 ug/l
RT: 11.359 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:129 Resp: 51019

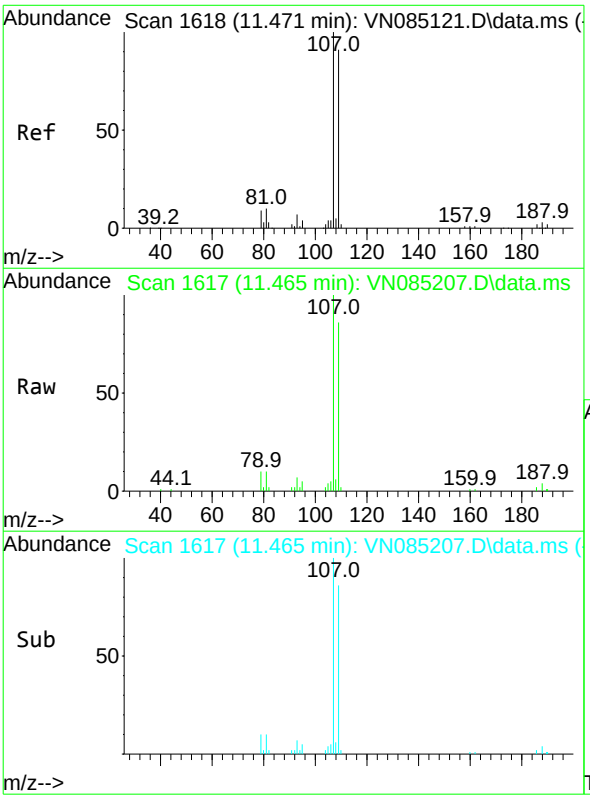
Ion	Ratio	Lower	Upper
129	100		
127	76.8	37.3	111.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

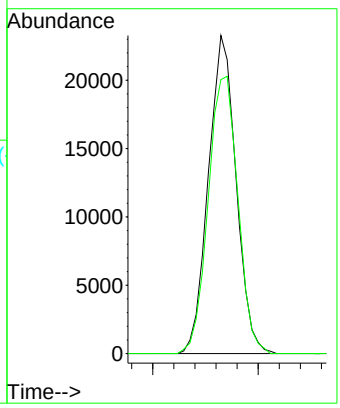
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

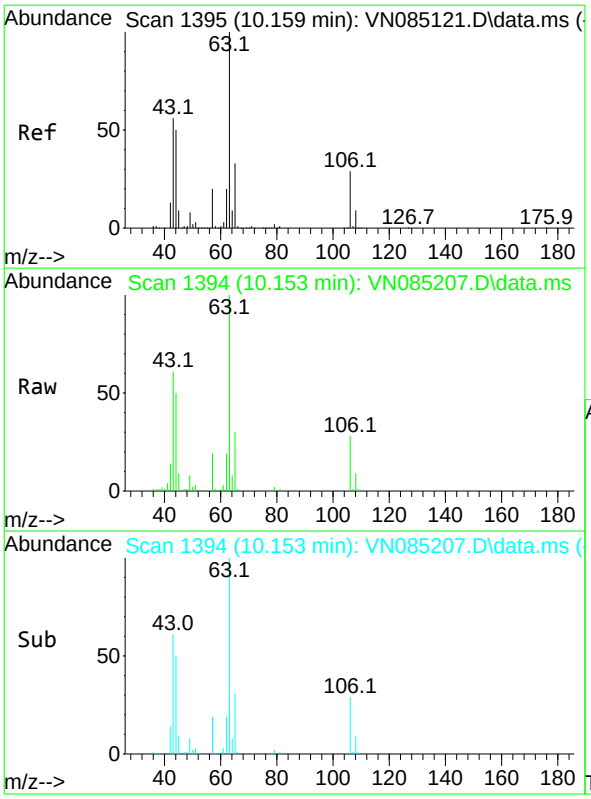


#54
1,2-Dibromoethane
Concen: 19.116 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:107 Resp: 42506

Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.2	112.8

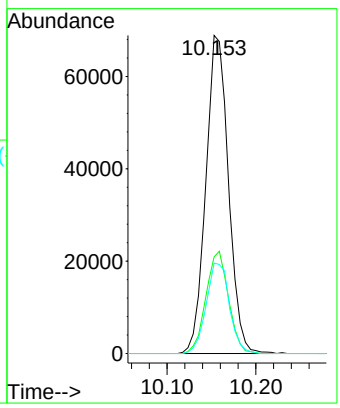




#55
2-Chloroethyl vinyl ether
Concen: 78.348 ug/l
RT: 10.153 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 63 Resp: 122170

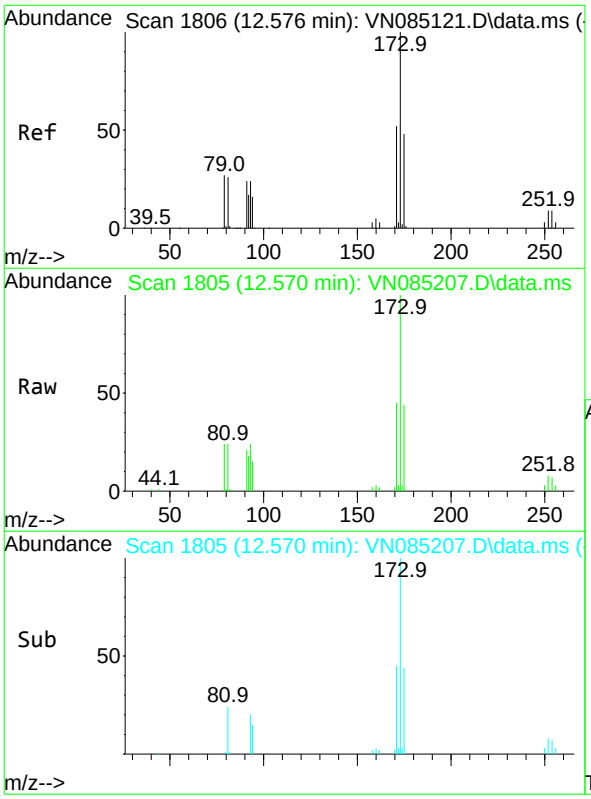
Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.9	38.9
106	29.2	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

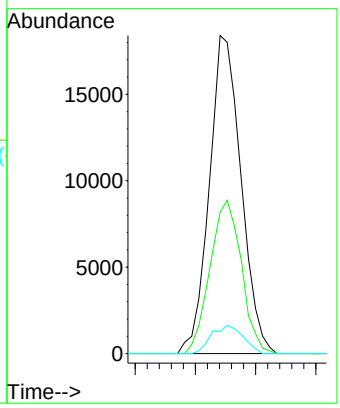
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

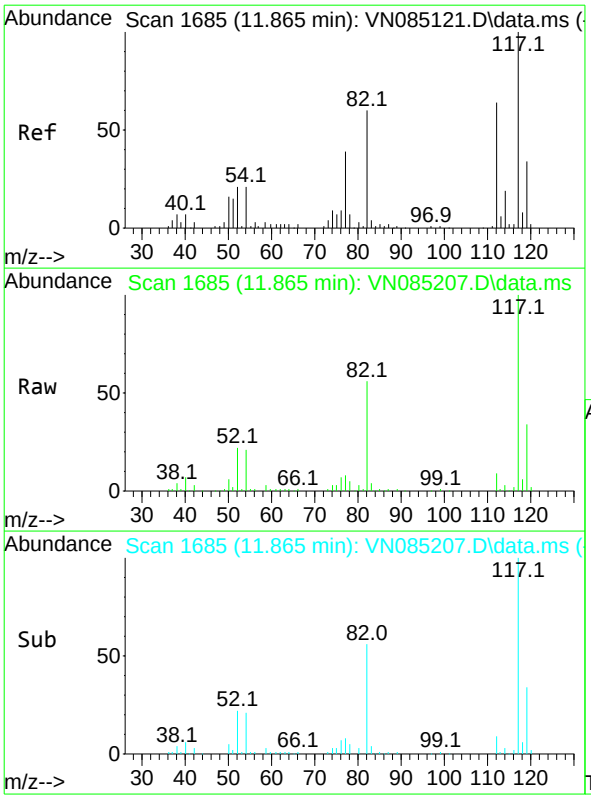


#56
Bromoform
Concen: 18.650 ug/l
RT: 12.570 min Scan# 1805
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:173 Resp: 33630

Ion	Ratio	Lower	Upper
173	100		
175	47.7	40.2	60.2
254	8.9	6.2	9.4

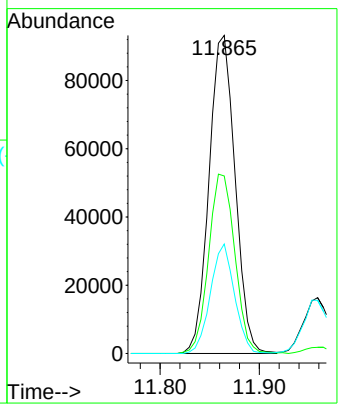




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:117 Resp: 170233

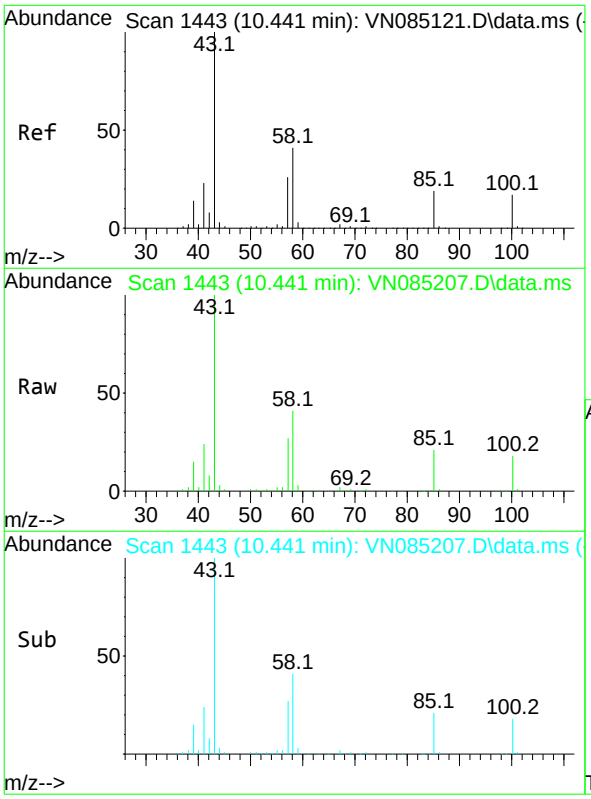
Ion	Ratio	Lower	Upper
117	100		
82	56.8	44.2	66.4
119	31.8	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

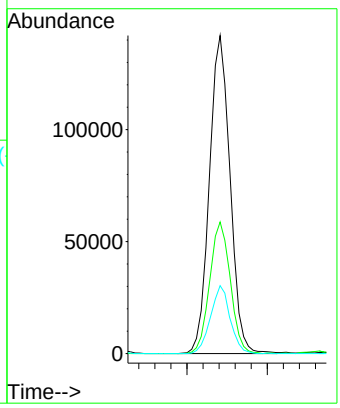
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

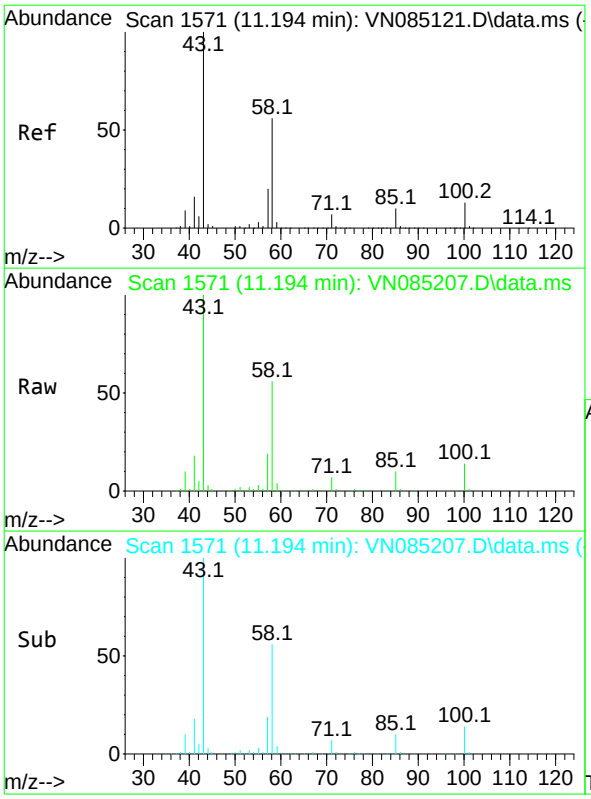


#58
4-Methyl-2-Pentanone
Concen: 91.560 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 43 Resp: 254378

Ion	Ratio	Lower	Upper
43	100		
58	41.1	31.6	47.4
85	20.2	15.0	22.6

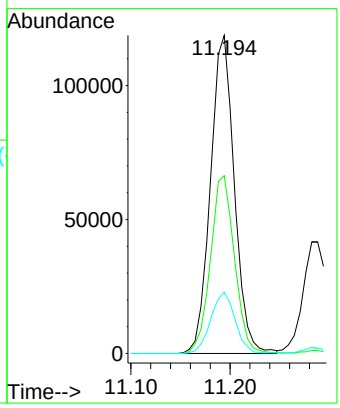




#59
2-Hexanone
Concen: 94.267 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 43 Resp: 198443

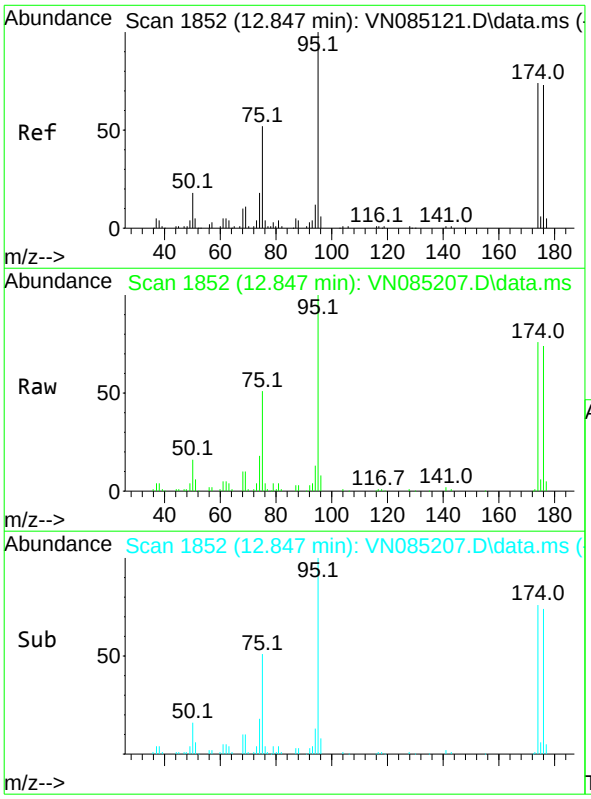
Ion	Ratio	Lower	Upper
43	100		
58	56.2	43.6	65.4
57	19.6	15.4	23.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

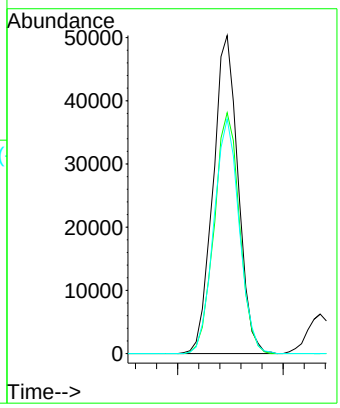
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

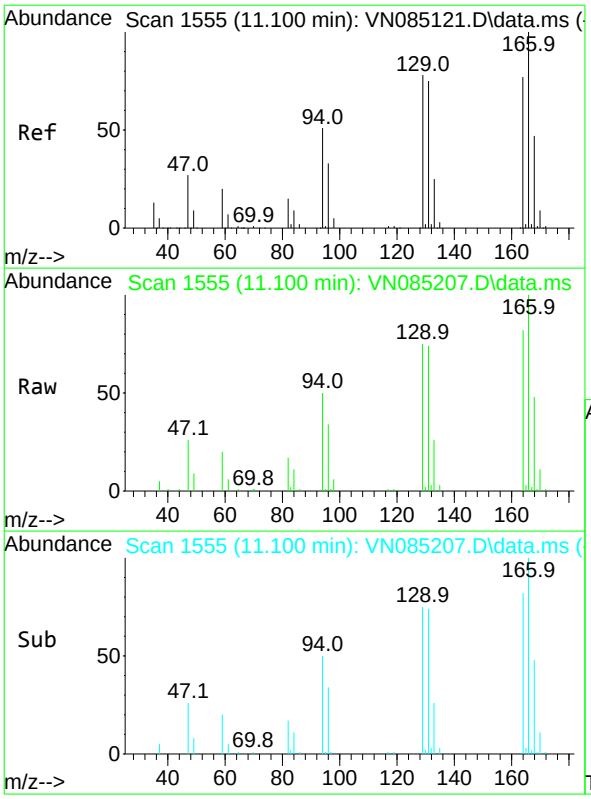


#60
4-Bromofluorobenzene
Concen: 29.423 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 95 Resp: 82875

Ion	Ratio	Lower	Upper
95	100		
174	76.4	60.3	90.5
176	74.9	57.4	86.0

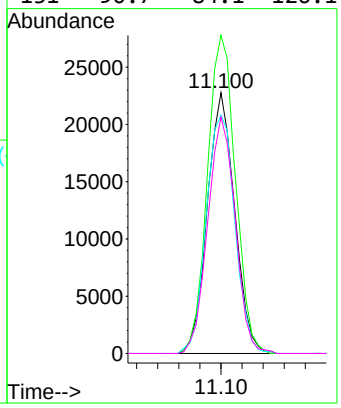




#61
Tetrachloroethene
Concen: 19.885 ug/l
RT: 11.100 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:164 Resp: 40993

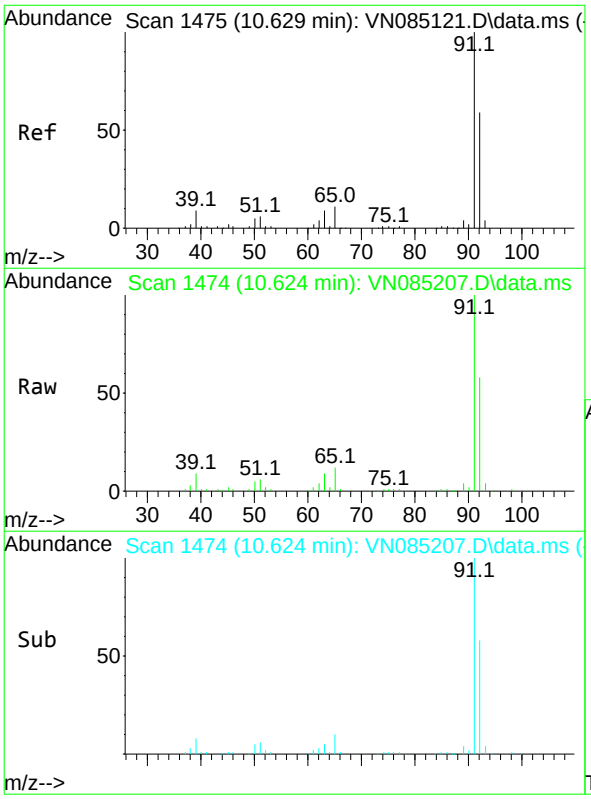
Ion	Ratio	Lower	Upper
164	100		
166	122.0	103.8	155.8
129	91.5	84.2	126.4
131	90.7	84.1	126.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

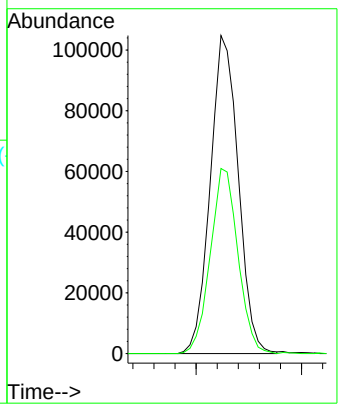
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

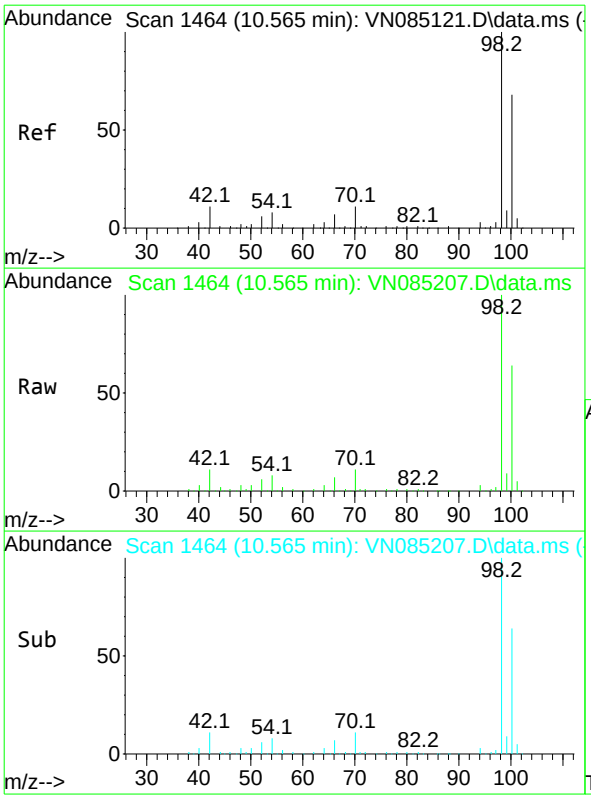


#62
Toluene
Concen: 19.467 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 91 Resp: 193265

Ion	Ratio	Lower	Upper
91	100		
92	57.4	46.5	69.7

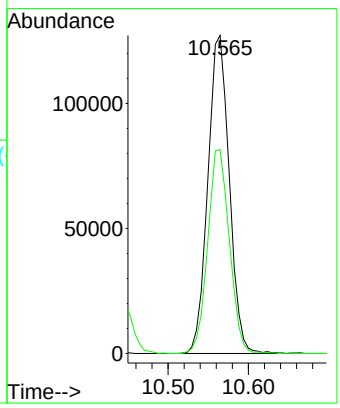




#63
Toluene-d8
Concen: 29.497 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 98 Resp: 235545

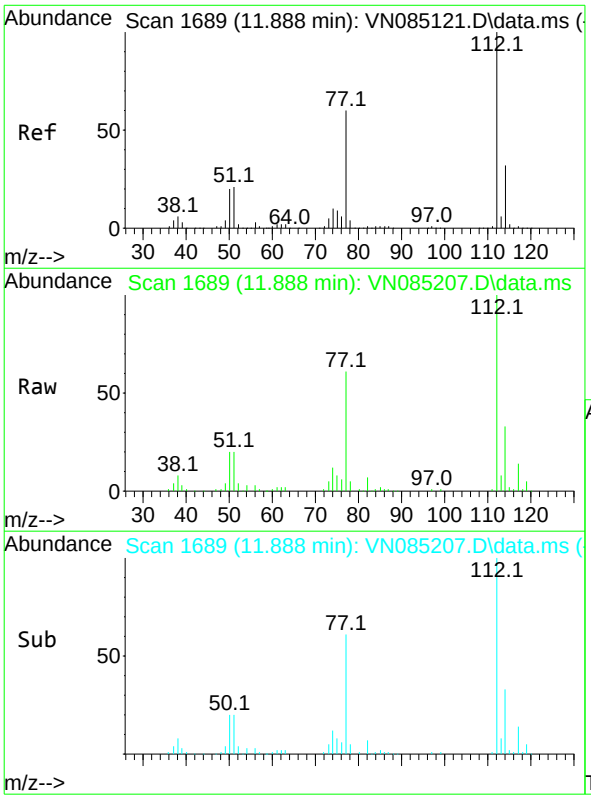
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

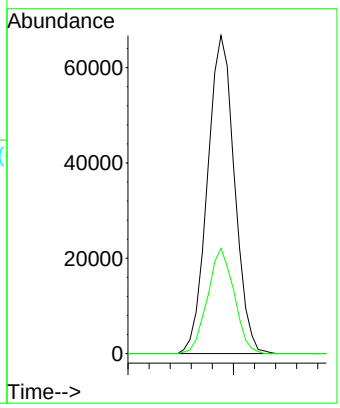
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

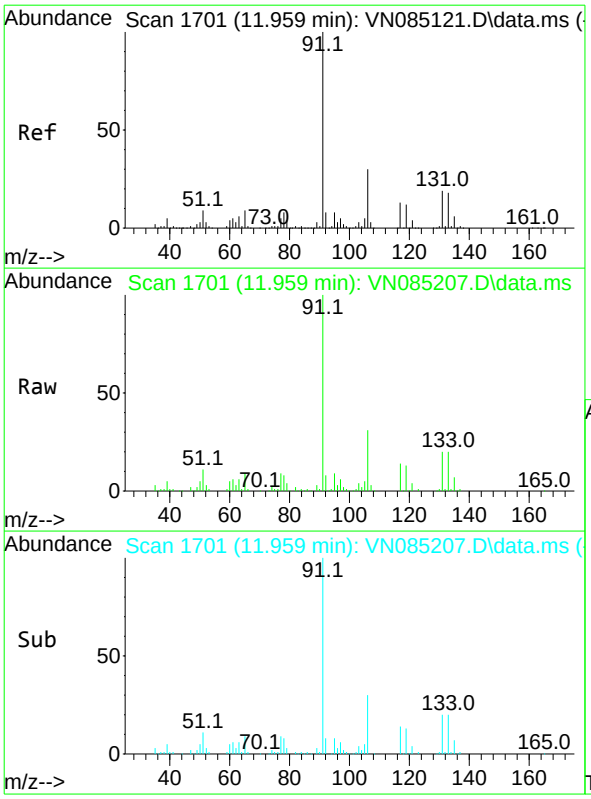


#64
Chlorobenzene
Concen: 19.419 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:112 Resp: 119028

Ion	Ratio	Lower	Upper
112	100		
114	33.1	26.0	39.0





#65
1,1,1,2-Tetrachloroethane
Concen: 19.379 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

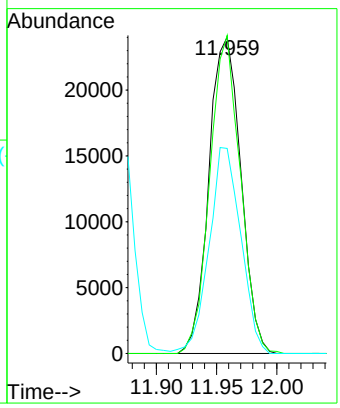
Tgt Ion:131 Resp: 44343

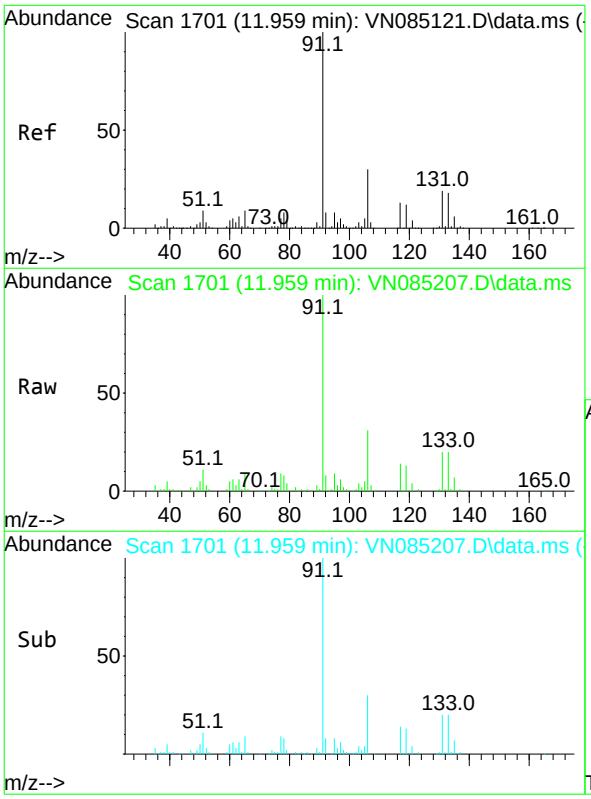
Ion	Ratio	Lower	Upper
131	100		
133	95.8	0.0	194.0
119	64.6	0.0	131.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
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Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

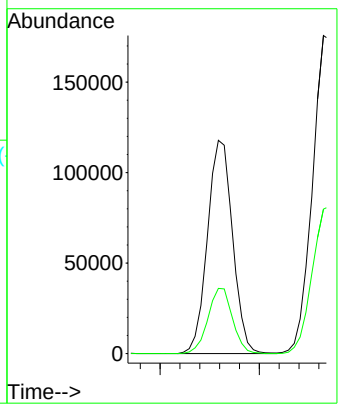


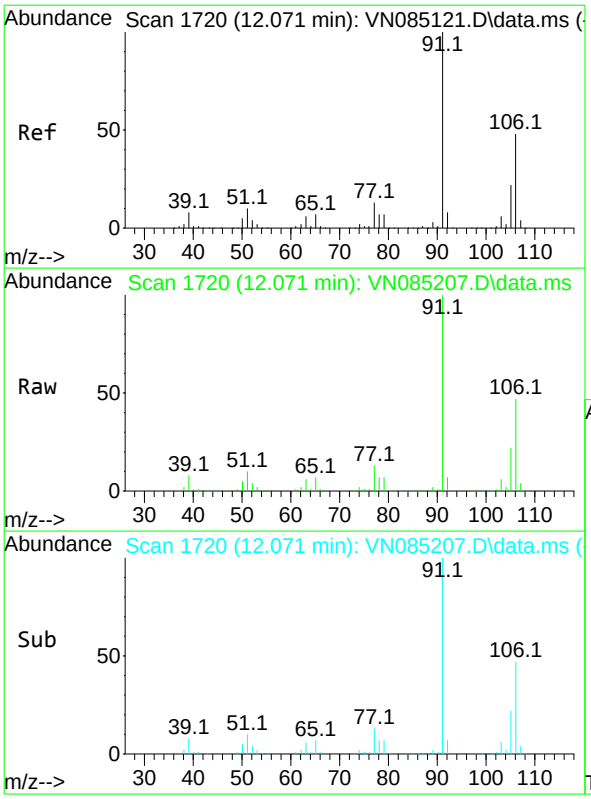


#66
Ethyl Benzene
Concen: 19.728 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 91 Resp: 207827

Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.1	34.7

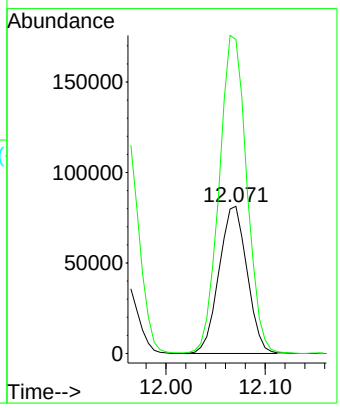




#67
m/p-Xylenes
Concen: 39.379 ug/l
RT: 12.071 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:106 Resp: 159560

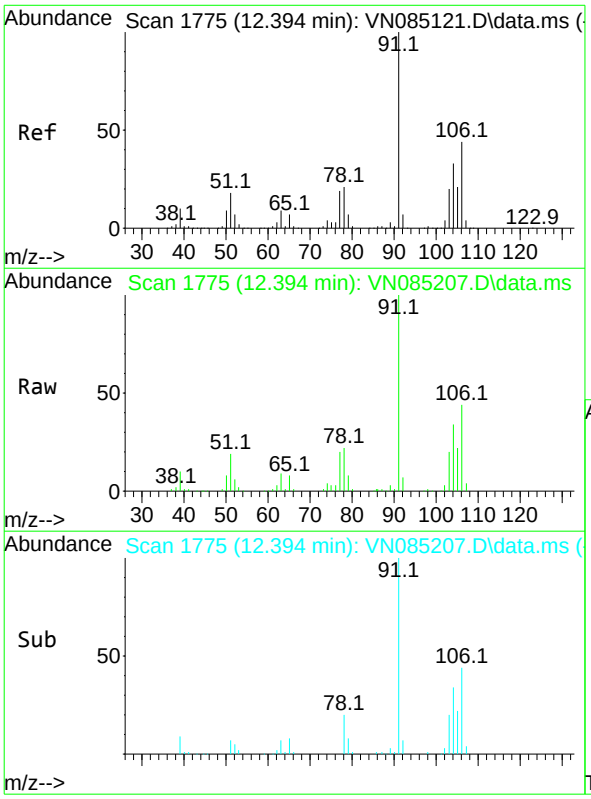
Ion	Ratio	Lower	Upper
106	100		
91	212.7	165.0	247.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

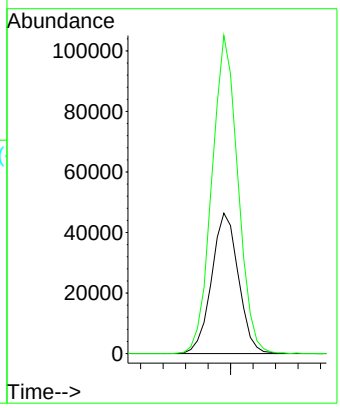
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

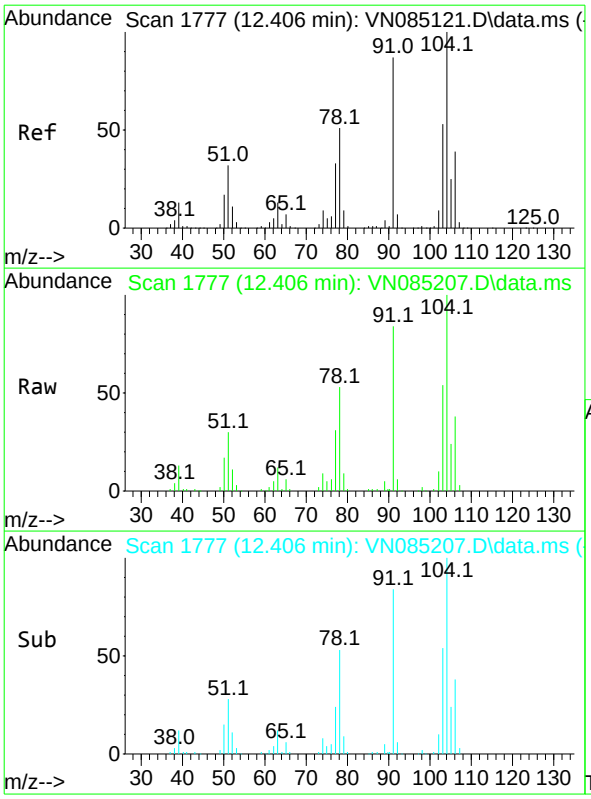


#68
o-Xylene
Concen: 20.208 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:106 Resp: 76900

Ion	Ratio	Lower	Upper
106	100		
91	220.1	112.1	336.4

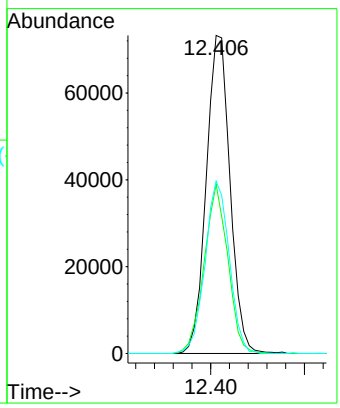




#69
Styrene
Concen: 19.998 ug/l
RT: 12.406 min Scan# 17
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:104 Resp: 129131

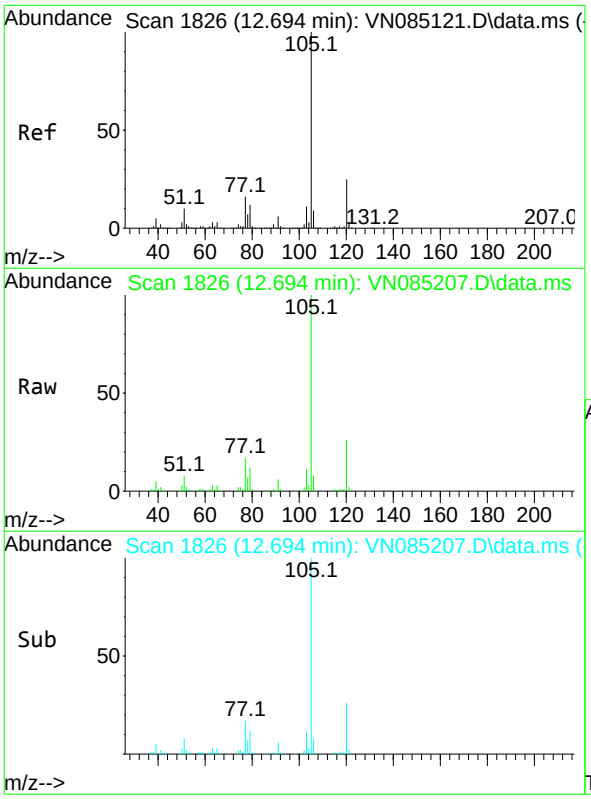
Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.3	63.5
103	55.1	44.4	66.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

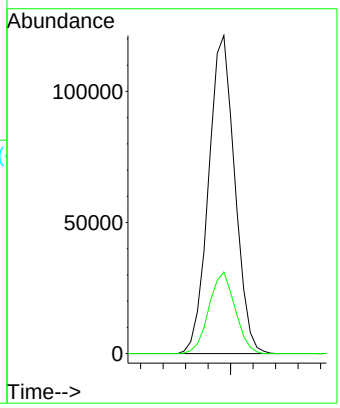
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

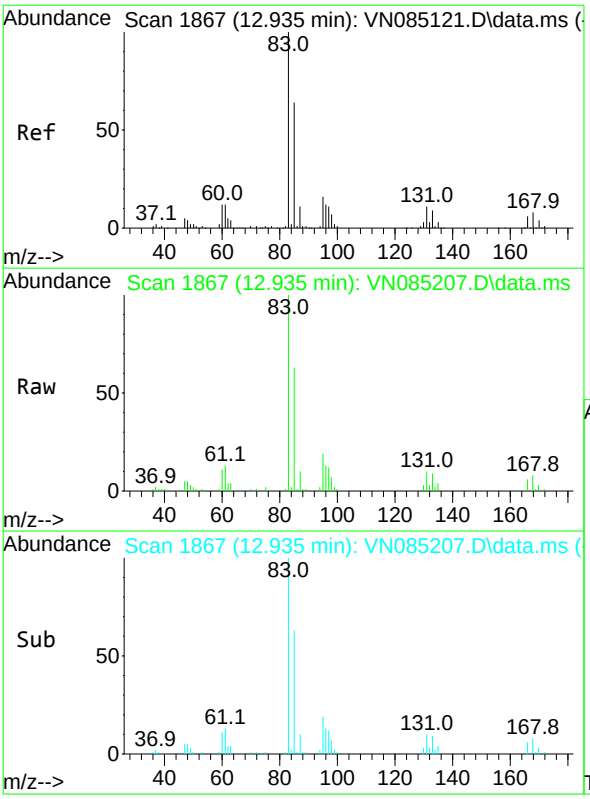


#70
Isopropylbenzene
Concen: 20.013 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:105 Resp: 196429

Ion	Ratio	Lower	Upper
105	100		
120	25.5	18.3	33.9

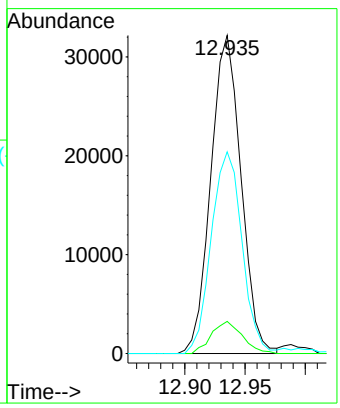




#71
1,1,2,2-Tetrachloroethane
Concen: 18.796 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 83 Resp: 56150

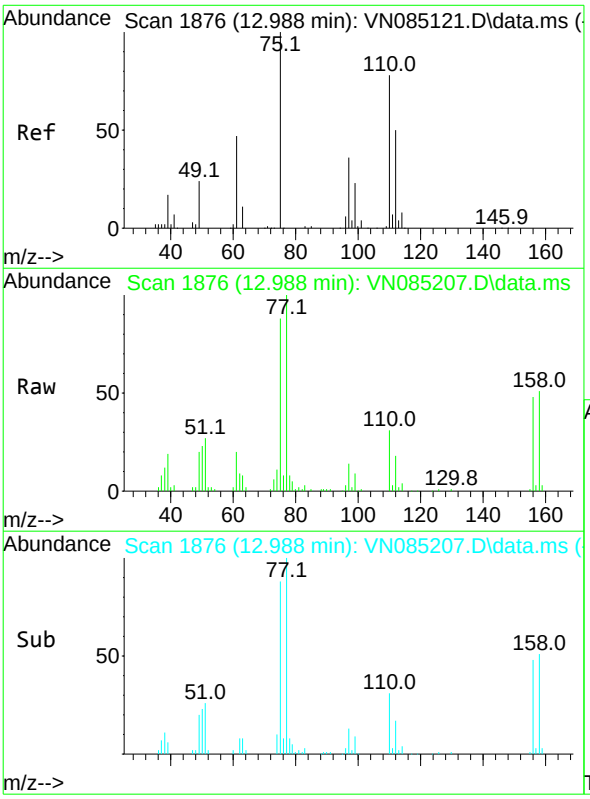
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.3
85	64.2	31.1	93.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

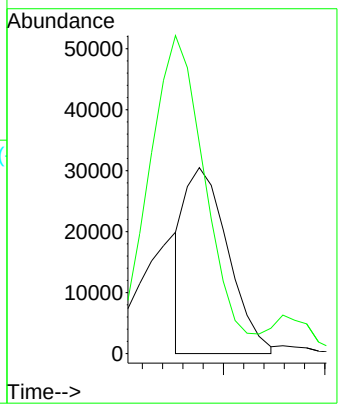
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

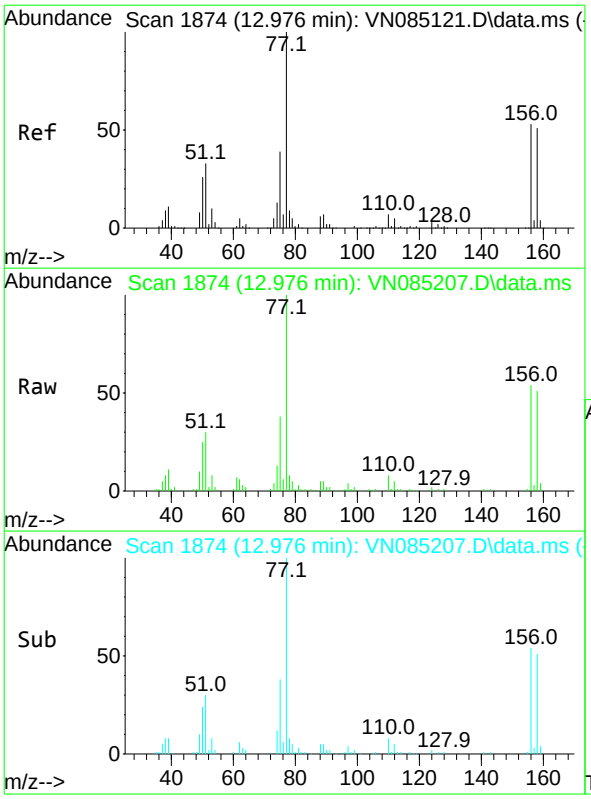


#72
1,2,3-Trichloropropane
Concen: 15.346 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 75 Resp: 45287

Ion	Ratio	Lower	Upper
75	100		
77	225.6	0.0	339.0





#73
Bromobenzene
Concen: 19.638 ug/l
RT: 12.976 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

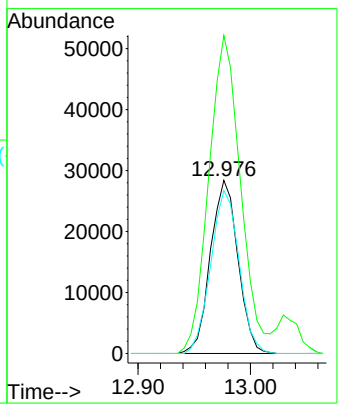
Tgt Ion:156 Resp: 48280

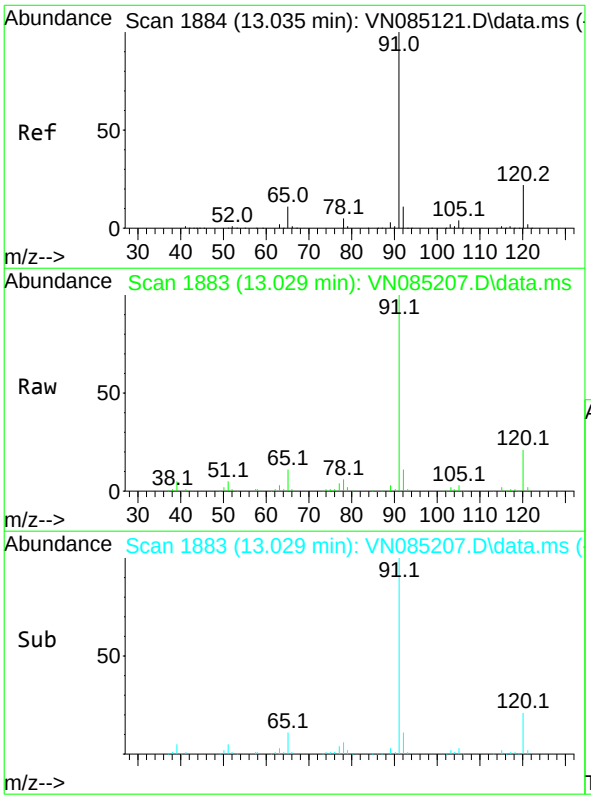
Ion	Ratio	Lower	Upper
156	100		
77	211.6	0.0	430.4
158	97.0	0.0	195.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

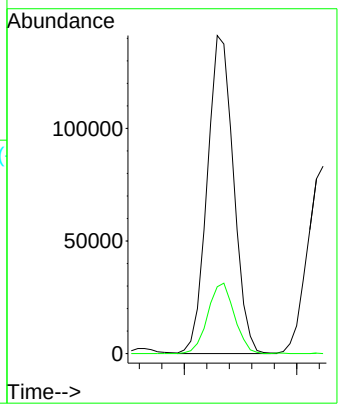


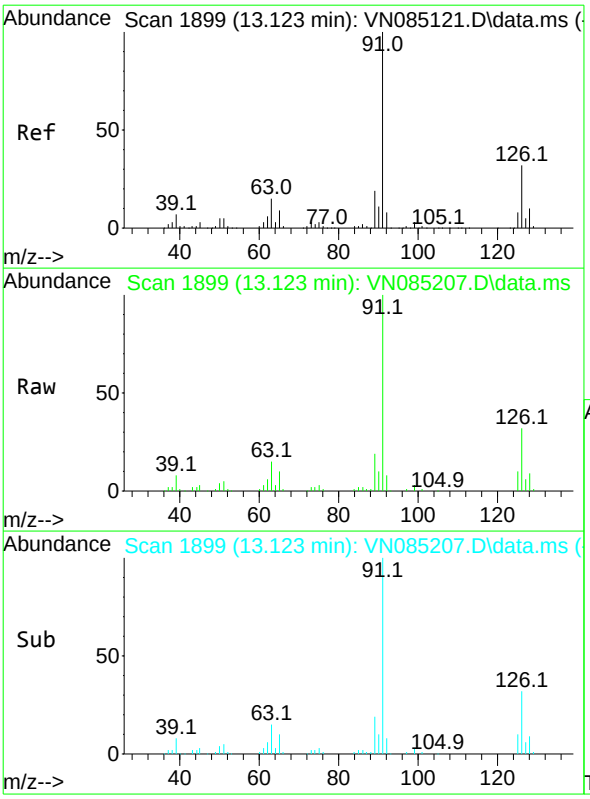


#74
n-propylbenzene
Concen: 19.456 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 91 Resp: 229571

Ion	Ratio	Lower	Upper
91	100		
120	22.3	0.0	44.0

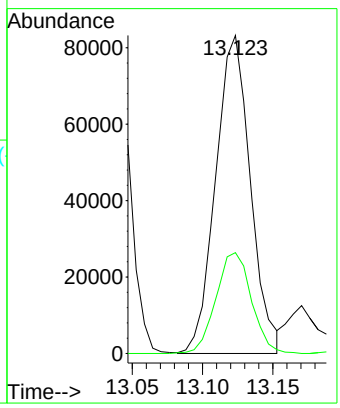




#75
2-Chlorotoluene
Concen: 19.627 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 91 Resp: 143192

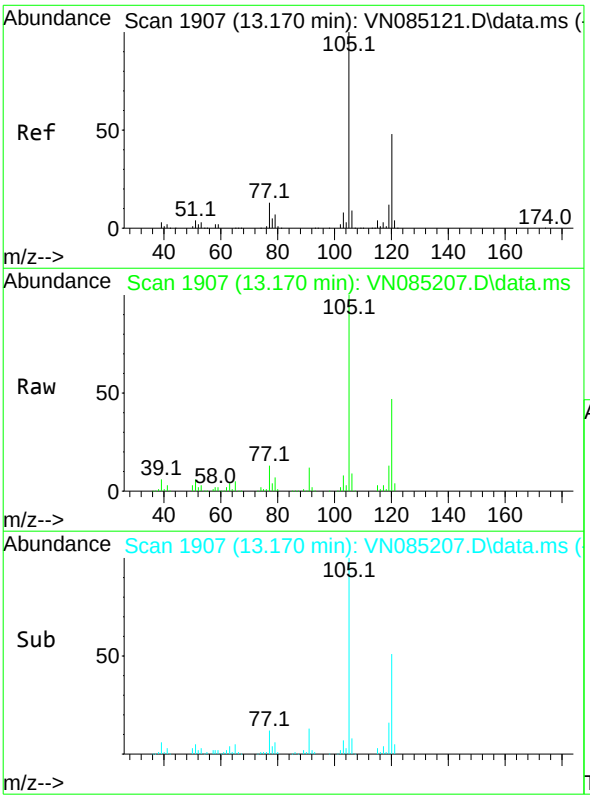
Ion	Ratio	Lower	Upper
91	100		
126	32.3	0.0	64.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

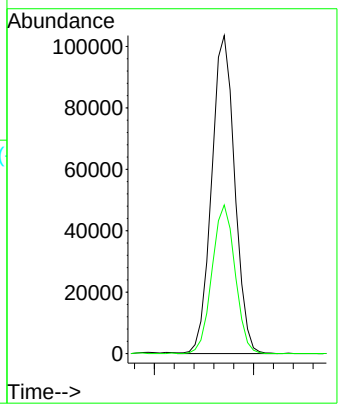
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

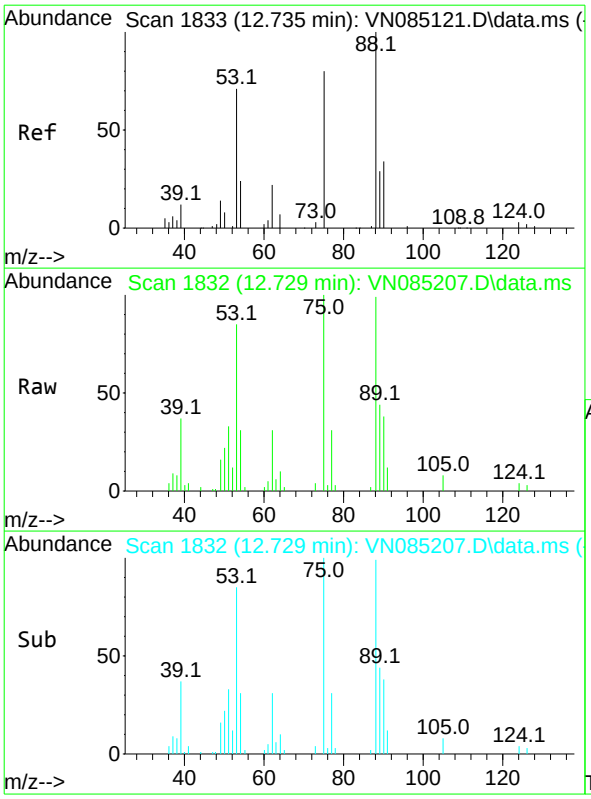


#76
1,3,5-Trimethylbenzene
Concen: 19.931 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:105 Resp: 167597

Ion	Ratio	Lower	Upper
105	100		
120	46.5	0.0	94.4

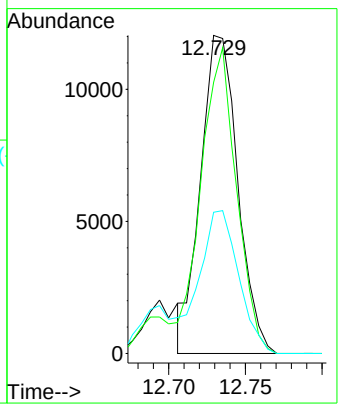




#77
t-1,4-Dichloro-2-butene
Concen: 18.888 ug/l
RT: 12.729 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 75 Resp: 20254

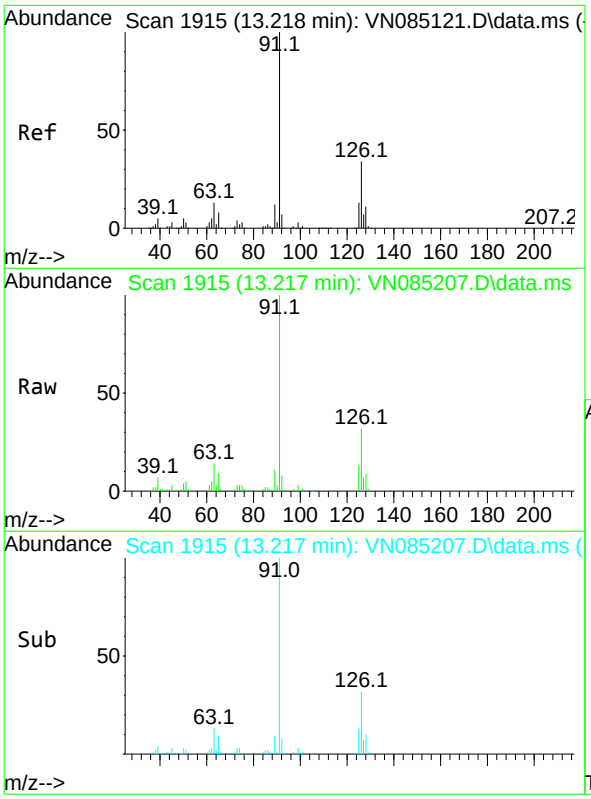
Ion	Ratio	Lower	Upper
75	100		
53	85.3	49.1	147.3
89	44.4	22.9	68.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

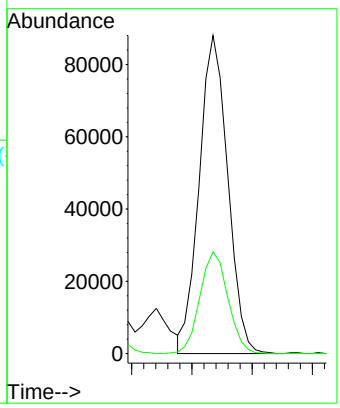
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

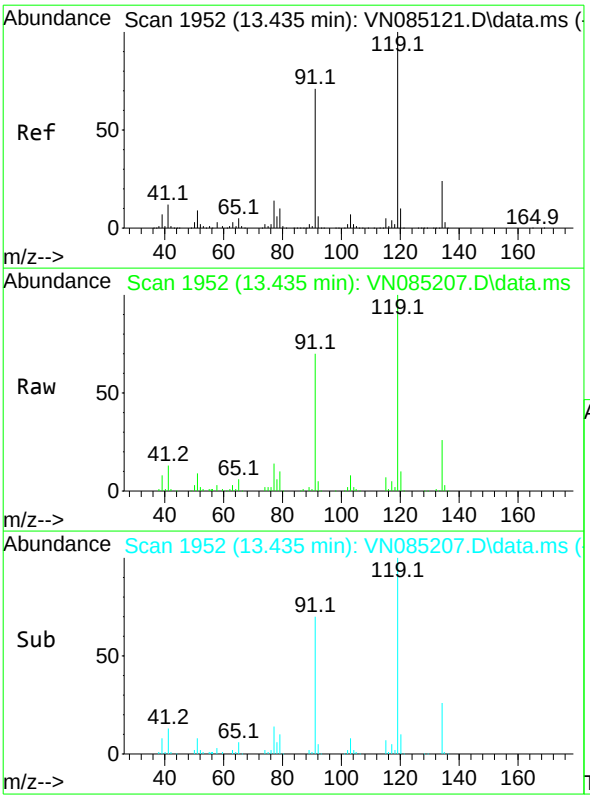


#78
4-Chlorotoluene
Concen: 19.557 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 91 Resp: 144822

Ion	Ratio	Lower	Upper
91	100		
126	31.4	0.0	64.4

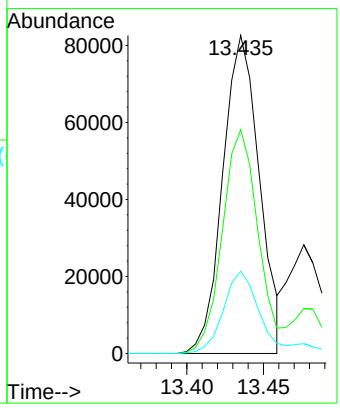




#79
tert-butylbenzene
Concen: 19.890 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:119 Resp: 137376

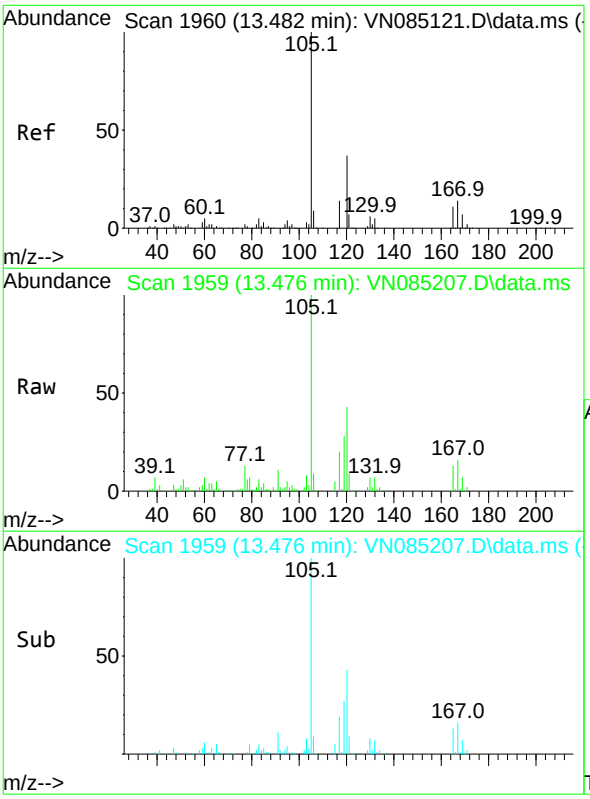
Ion	Ratio	Lower	Upper
119	100		
91	68.0	0.0	139.2
134	24.8	0.0	48.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

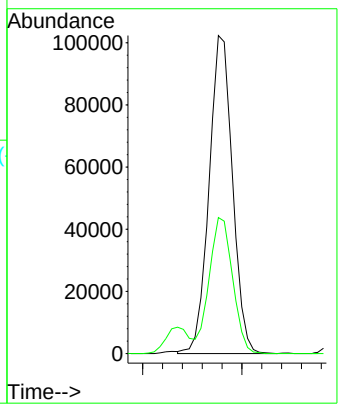
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

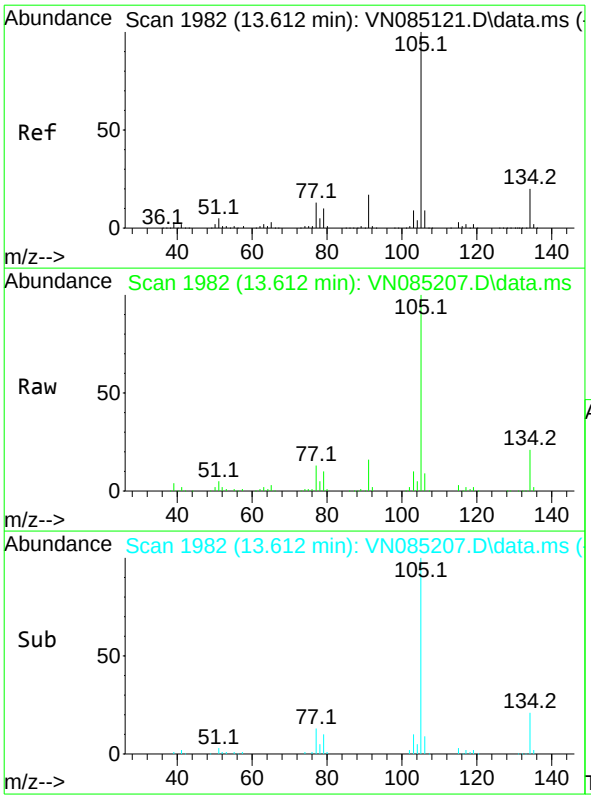


#80
1,2,4-Trimethylbenzene
Concen: 20.193 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:105 Resp: 167722

Ion	Ratio	Lower	Upper
105	100		
120	42.7	0.0	87.4

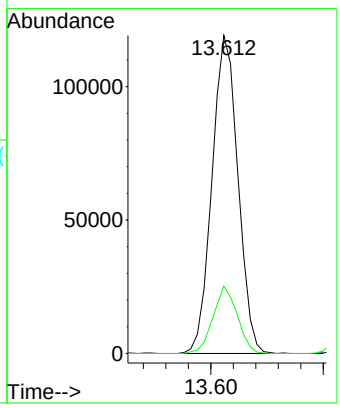




#81
sec-Butylbenzene
Concen: 19.466 ug/l
RT: 13.612 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:105 Resp: 191002

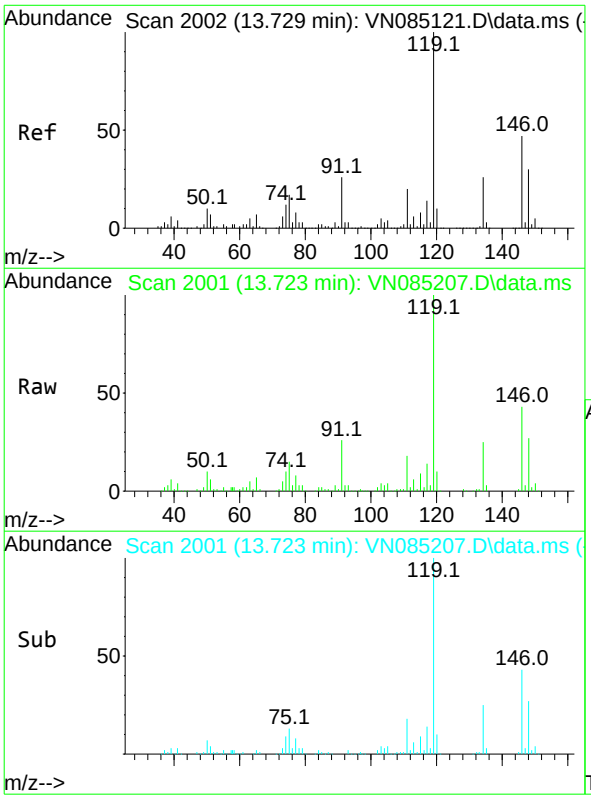
Ion	Ratio	Lower	Upper
105	100		
134	19.8	0.0	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

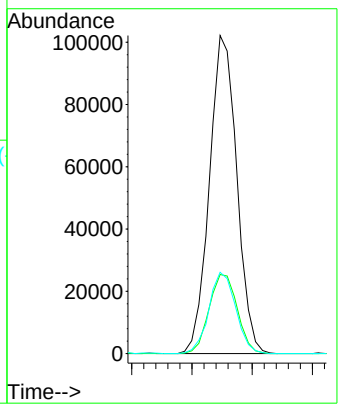
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

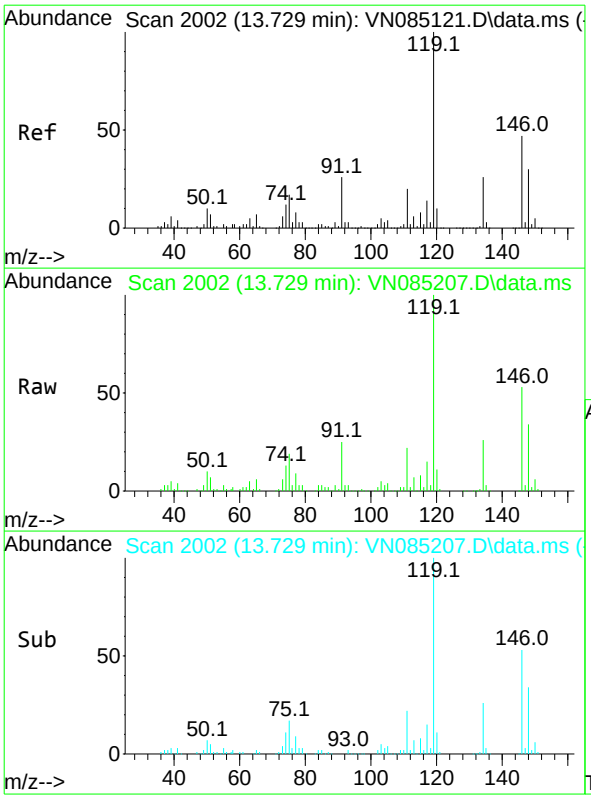


#82
p-Isopropyltoluene
Concen: 19.841 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:119 Resp: 161402

Ion	Ratio	Lower	Upper
119	100		
134	25.6	0.0	51.6
91	25.1	0.0	50.4

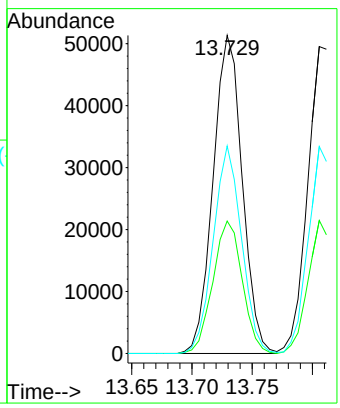




#83
1,3-Dichlorobenzene
Concen: 19.150 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:146 Resp: 86373

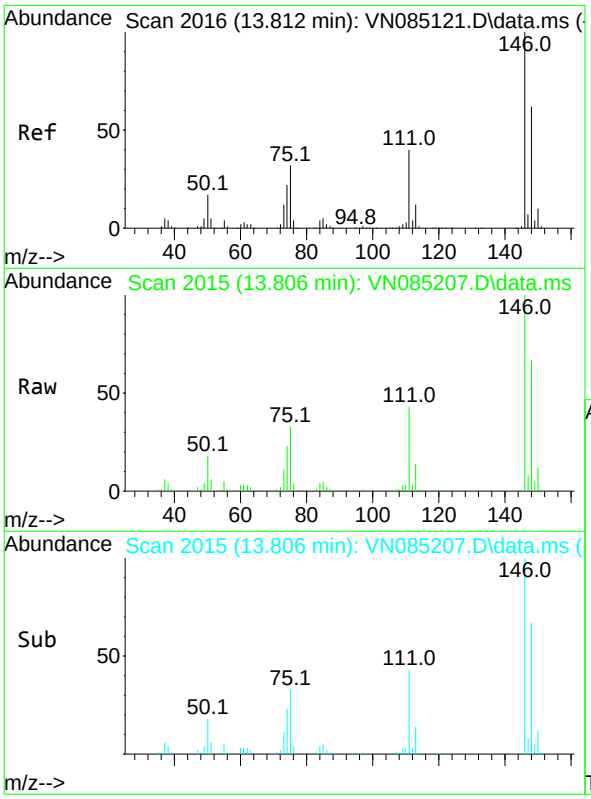
Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.1	63.3
148	63.3	31.8	95.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

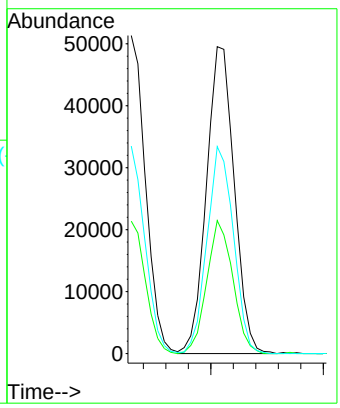
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

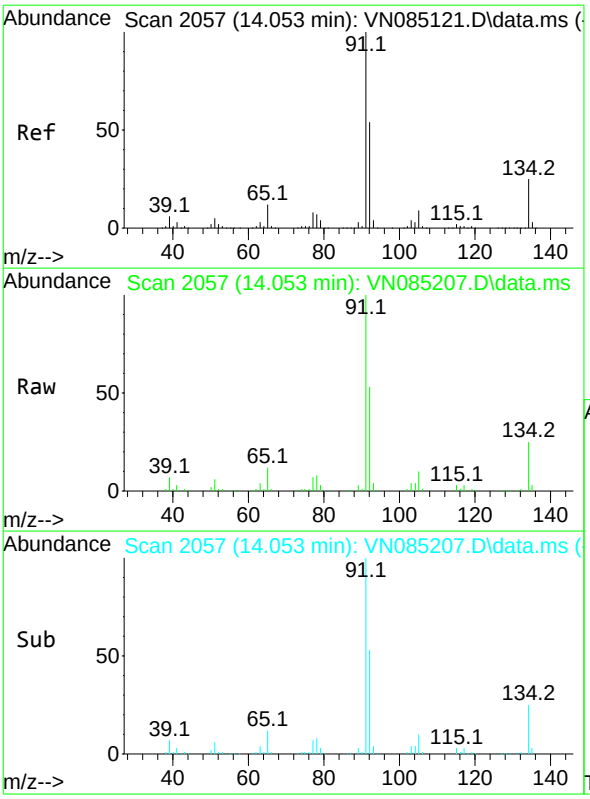


#84
1,4-Dichlorobenzene
Concen: 19.386 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:146 Resp: 85216

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.1	60.3
148	64.3	31.6	94.7

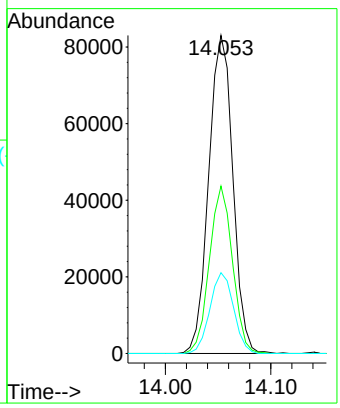




#85
n-Butylbenzene
Concen: 19.359 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 91 Resp: 132097

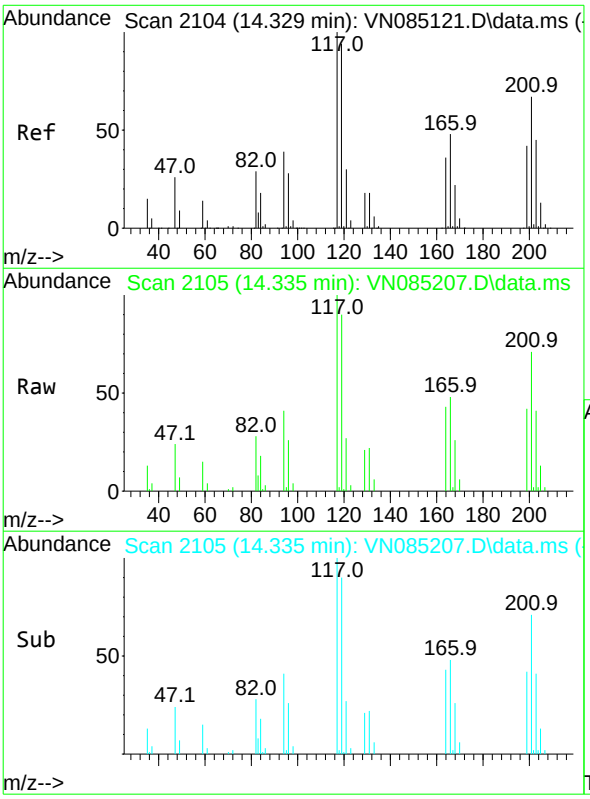
Ion	Ratio	Lower	Upper
91	100		
92	50.3	0.0	104.0
134	24.9	0.0	49.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

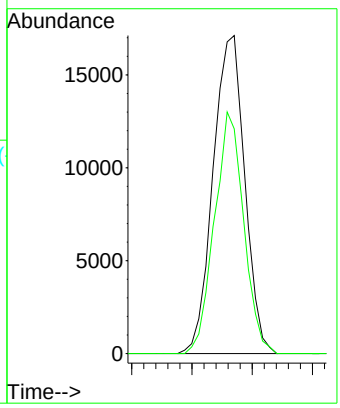
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

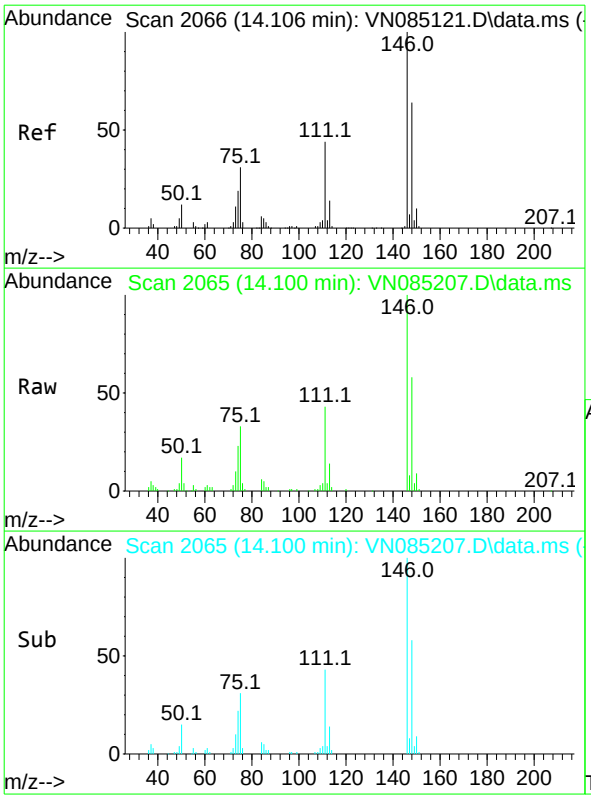


#86
Hexachloroethane
Concen: 19.297 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:117 Resp: 31250

Ion	Ratio	Lower	Upper
117	100		
201	70.2	34.1	102.3

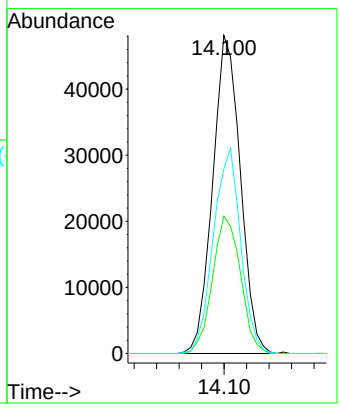




#87
1,2-Dichlorobenzene
Concen: 19.338 ug/l
RT: 14.100 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:146 Resp: 82331

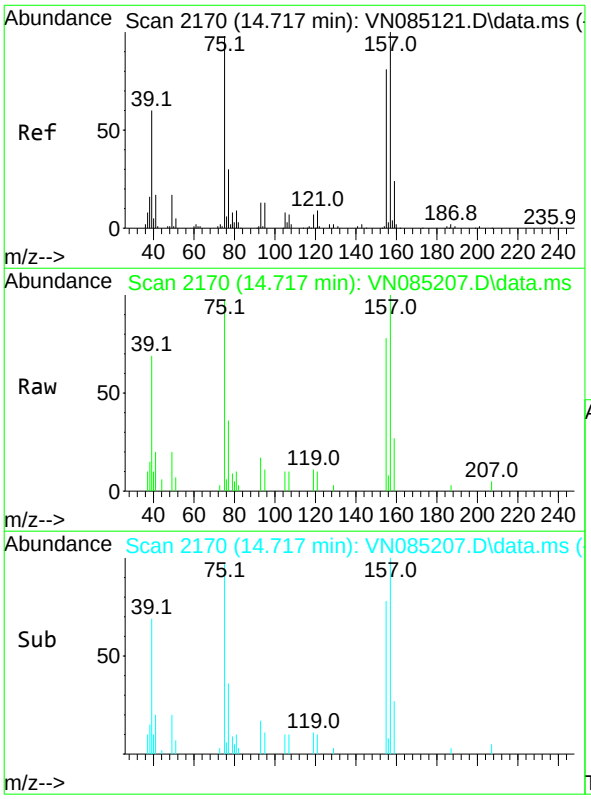
Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.9	65.7
148	63.8	32.4	97.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

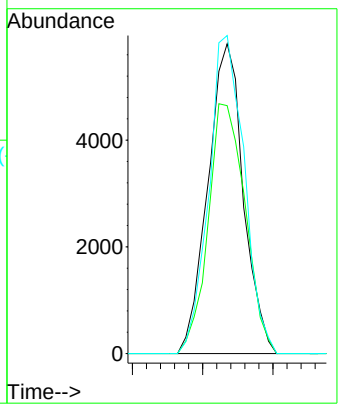
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

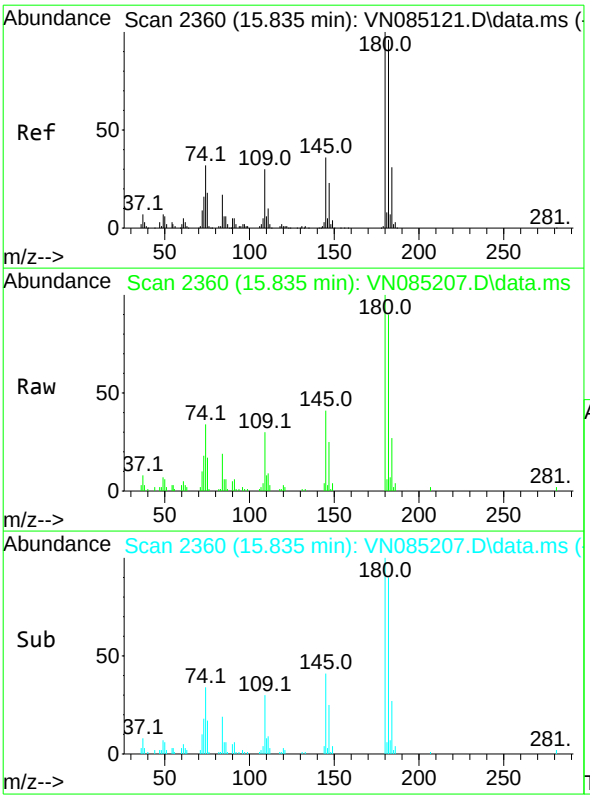


#88
1,2-Dibromo-3-Chloropropane
Concen: 17.026 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 75 Resp: 10161

Ion	Ratio	Lower	Upper
75	100		
155	84.2	62.1	93.1
157	102.2	79.3	118.9

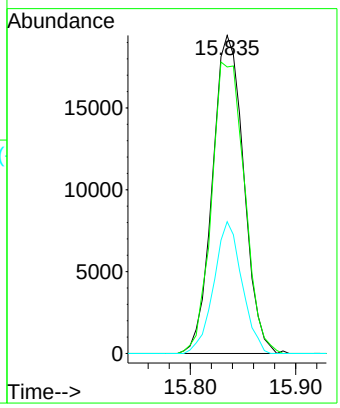




#89
1,2,4-Trichlorobenzene
Concen: 19.190 ug/l
RT: 15.835 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:180 Resp: 40011

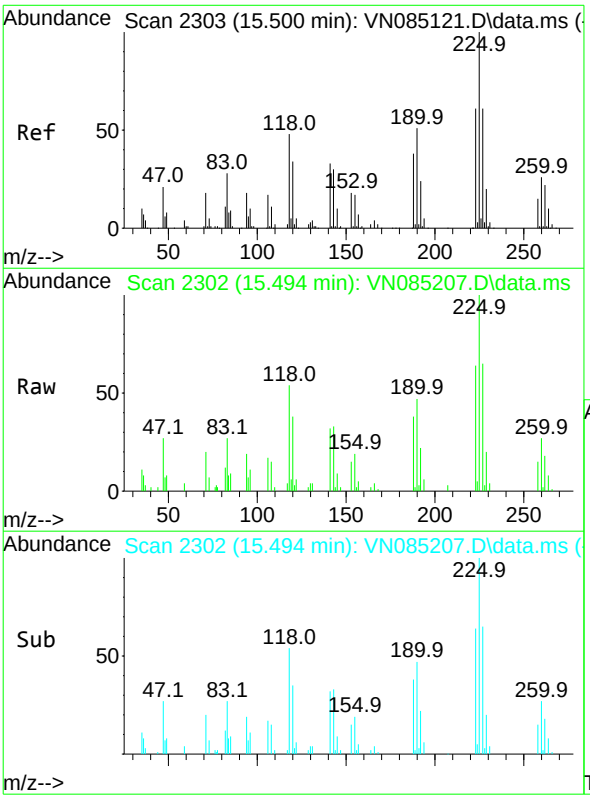
Ion	Ratio	Lower	Upper
180	100		
182	96.5	74.0	111.0
145	37.4	28.6	43.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

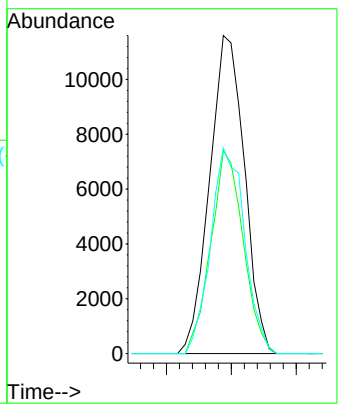
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

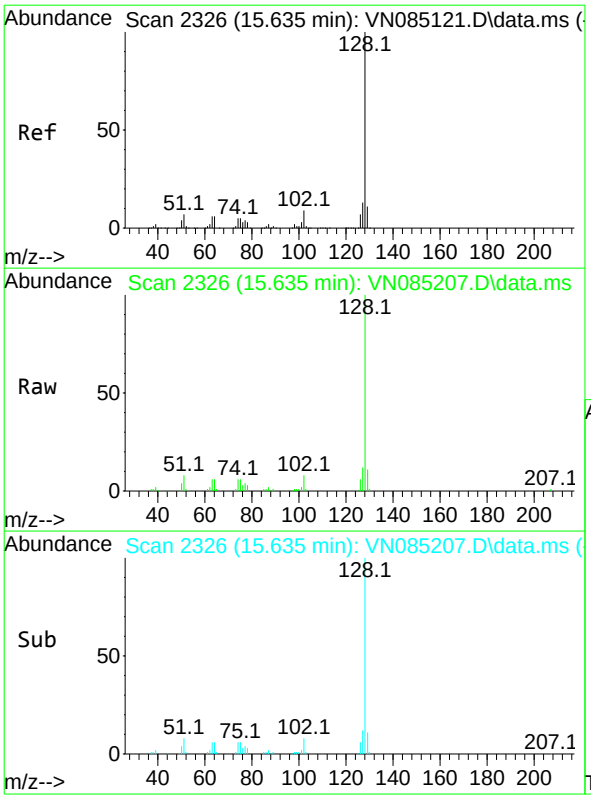


#90
Hexachlorobutadiene
Concen: 19.995 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:225 Resp: 21664

Ion	Ratio	Lower	Upper
225	100		
223	59.5	0.0	121.8
227	63.0	0.0	126.8

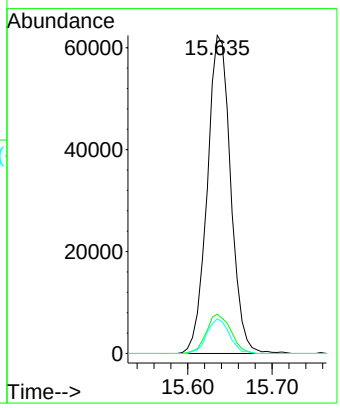




#91
Naphthalene
Concen: 18.602 ug/l
RT: 15.635 min Scan# 23
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:128 Resp: 120498

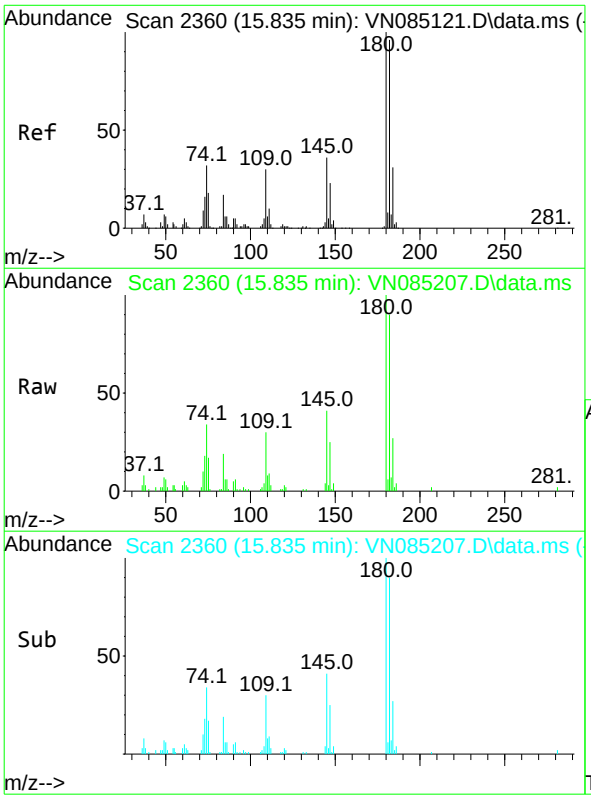
Ion	Ratio	Lower	Upper
128	100		
127	12.9	11.0	16.4
129	10.5	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

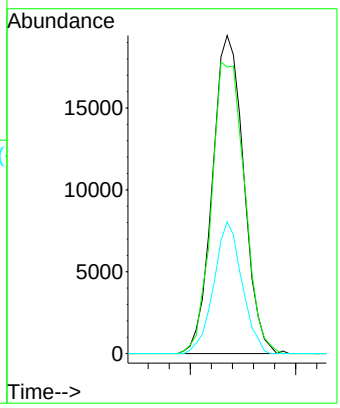
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#92
1,2,3-Trichlorobenzene
Concen: 19.190 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:180 Resp: 40011

Ion	Ratio	Lower	Upper
180	100		
182	96.5	0.0	185.0
145	37.4	0.0	71.6



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085207.D
Acq On : 16 Dec 2024 09:42
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Dec 16 12:21:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
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	Bromochloromethane	1.000	1.000	0.0	107	0.00
2	M	Dichlorodifluoromethane	2.400	2.526	-5.2	109	0.00
3	M	Chloromethane	2.124	2.227	-4.8	114	0.00
4	M	Vinyl Chloride	2.173	2.251	-3.6	112	0.00
5	M	Bromomethane	1.380	1.402	-1.6	112	0.00
6	M	Chloroethane	1.335	1.437	-7.6	118	0.00
7	M	Trichlorofluoromethane	3.557	3.724	-4.7	115	0.00
8	T	Diethyl Ether	1.127	1.136	-0.8	116	0.00
9		1,1,2-Trichlorotrifluoroeth	1.989	2.005	-0.8	111	0.00
10	M	1,1-Dichloroethene	1.827	1.847	-1.1	113	0.00
11		Methyl Iodide	2.534	2.157	14.9	98	0.00
12		Methyl Acetate	2.155	2.103	2.4	109	0.00
13	M	Acrolein	0.313	0.235	24.9	98	0.00
14	M	Acrylonitrile	0.895	0.853	4.7	109	0.00
15	M	Acetone	0.243	0.258	-6.2	121	0.00
16	M	Carbon Disulfide	5.461	5.505	-0.8	110	0.00
17		Allyl chloride	2.614	2.670	-2.1	119	0.00
18	M	Methylene Chloride	2.073	2.023	2.4	107	0.00
19	M	trans-1,2-Dichloroethene	1.899	1.907	-0.4	113	0.00
20	T	Diisopropyl ether	5.737	5.917	-3.1	111	0.00
21	M	1,1-Dichloroethane	3.541	3.578	-1.0	112	0.00
22	M	cis-1,2-Dichloroethene	2.183	2.239	-2.6	113	-0.01
23	M	tert-Butyl Alcohol	0.321	0.293	8.7	107	0.00
24	M	Methyl tert-Butyl Ether	5.708	5.845	-2.4	115	0.00
25	M	Chloroform	3.710	3.808	-2.6	112	0.00
26		Cyclohexane	2.916	2.926	-0.3	107	0.00
27	s	1,2-Dichloroethane-d4	2.380	2.398	-0.8	107	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	115	0.00
29		1,1-Dichloropropene	0.484	0.466	3.7	111	0.00
30	M	2-Butanone	0.222	0.210	5.4	111	0.00
31		2,2-Dichloropropane	0.621	0.615	1.0	116	0.00
32	M	1,1,1-Trichloroethane	0.655	0.631	3.7	109	0.00
33	M	Carbon Tetrachloride	0.591	0.558	5.6	109	0.00
34	M	Benzene	1.521	1.463	3.8	112	0.00
35		Methacrylonitrile	0.250	0.227	9.2	104	0.00
36	M	1,2-Dichloroethane	0.518	0.501	3.3	114	0.00
37	M	Trichloroethene	0.362	0.361	0.3	116	0.00
38		Methylcyclohexane	0.526	0.500	4.9	119	0.00
39	M	1,2-Dichloropropane	0.368	0.353	4.1	109	0.00
40		Dibromomethane	0.264	0.255	3.4	110	0.00
41	M	Bromodichloromethane	0.565	0.546	3.4	113	0.00
42	M	Vinyl Acetate	0.777	0.761	2.1	117	0.00
43		Ethyl Acetate	0.442	0.399	9.7	113	0.00
44		Isopropyl Acetate	0.768	0.718	6.5	110	0.00
45	T	1,4-Dioxane	0.006	0.006	0.0	112	0.00
46		Methyl methacrylate	0.352	0.327	7.1	109	0.00
47		n-amyl Acetate	0.646	0.593	8.2	110	0.00
48	M	t-1,3-Dichloropropene	0.554	0.532	4.0	118	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085207.D
Acq On : 16 Dec 2024 09:42
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Dec 16 12:21:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
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	cis-1,3-Dichloropropene	0.604	0.590	2.3	115	0.00
50	M	1,1,2-Trichloroethane	0.356	0.344	3.4	111	0.00
51		Ethyl methacrylate	0.542	0.503	7.2	114	0.00
52		1,3-Dichloropropane	0.596	0.572	4.0	112	0.00
53	M	Dibromochloromethane	0.434	0.412	5.1	111	0.00
54	M	1,2-Dibromoethane	0.359	0.343	4.5	113	0.00
55	M	2-Chloroethyl vinyl ether	0.252	0.197	21.8	91	0.00
56	M	Bromoform	0.291	0.271	6.9	113	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	112	0.00
58	M	4-Methyl-2-Pentanone	0.490	0.448	8.6	102	0.00
59	M	2-Hexanone	0.371	0.350	5.7	104	0.00
60	S	4-Bromofluorobenzene	0.496	0.487	1.8	110	0.00
61	M	Tetrachloroethene	0.363	0.361	0.6	113	0.00
62	M	Toluene	1.750	1.703	2.7	111	0.00
63	S	Toluene-d8	1.407	1.384	1.6	108	0.00
64	M	Chlorobenzene	1.080	1.049	2.9	111	0.00
65		1,1,1,2-Tetrachloroethane	0.403	0.391	3.0	114	0.00
66	M	Ethyl Benzene	1.857	1.831	1.4	118	0.00
67	M	m/p-Xylenes	0.714	0.703	1.5	111	0.00
68	M	o-Xylene	0.671	0.678	-1.0	117	0.00
69	M	Styrene	1.138	1.138	0.0	116	0.00
70		Isopropylbenzene	1.730	1.731	-0.1	117	0.00
71	M	1,1,2,2-Tetrachloroethane	0.526	0.495	5.9	104	0.00
72		1,2,3-Trichloropropane	0.520	0.399	23.3	84	0.00
73		Bromobenzene	0.433	0.425	1.8	114	0.00
74		n-propylbenzene	2.079	2.023	2.7	112	0.00
75		2-Chlorotoluene	1.286	1.262	1.9	111	0.00
76		1,3,5-Trimethylbenzene	1.482	1.477	0.3	115	0.00
77		t-1,4-Dichloro-2-butene	0.189	0.178	5.8	112	0.00
78		4-Chlorotoluene	1.305	1.276	2.2	113	0.00
79		tert-butylbenzene	1.217	1.210	0.6	116	0.00
80		1,2,4-Trimethylbenzene	1.464	1.478	-1.0	116	0.00
81		sec-Butylbenzene	1.729	1.683	2.7	113	0.00
82		p-Isopropyltoluene	1.434	1.422	0.8	116	0.00
83	M	1,3-Dichlorobenzene	0.795	0.761	4.3	112	0.00
84	M	1,4-Dichlorobenzene	0.775	0.751	3.1	113	0.00
85		n-Butylbenzene	1.203	1.164	3.2	120	0.00
86	T	Hexachloroethane	0.285	0.275	3.5	112	0.00
87	M	1,2-Dichlorobenzene	0.750	0.725	3.3	113	0.00
88		1,2-Dibromo-3-Chloropropane	0.105	0.090	14.3	97	0.00
89		1,2,4-Trichlorobenzene	0.367	0.353	3.8	116	0.00
90		Hexachlorobutadiene	0.191	0.191	0.0	117	0.00
91	M	Naphthalene	1.142	1.062	7.0	123	0.00
92		1,2,3-Trichlorobenzene	0.367	0.353	3.8	116	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085207.D
Acq On : 16 Dec 2024 09:42
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Dec 16 12:21:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
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	Bromochloromethane	30.000	30.000	0.0	107	0.00
2	M	Dichlorodifluoromethane	20.000	21.047	-5.2	109	0.00
3	M	Chloromethane	20.000	20.963	-4.8	114	0.00
4	M	Vinyl Chloride	20.000	20.717	-3.6	112	0.00
5	M	Bromomethane	20.000	20.321	-1.6	112	0.00
6	M	Chloroethane	20.000	21.532	-7.7	118	0.00
7	M	Trichlorofluoromethane	20.000	20.940	-4.7	115	0.00
8	T	Diethyl Ether	20.000	20.165	-0.8	116	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	20.159	-0.8	111	0.00
10	M	1,1-Dichloroethene	20.000	20.219	-1.1	113	0.00
11		Methyl Iodide	20.000	17.027	14.9	98	0.00
12		Methyl Acetate	20.000	19.513	2.4	109	0.00
13	M	Acrolein	100.000	75.017	25.0	98	0.00
14	M	Acrylonitrile	100.000	95.305	4.7	109	0.00
15	M	Acetone	100.000	106.386	-6.4	121	0.00
16	M	Carbon Disulfide	20.000	20.161	-0.8	110	0.00
17		Allyl chloride	20.000	20.428	-2.1	119	0.00
18	M	Methylene Chloride	20.000	19.515	2.4	107	0.00
19	M	trans-1,2-Dichloroethene	20.000	20.081	-0.4	113	0.00
20	T	Diisopropyl ether	20.000	20.625	-3.1	111	0.00
21	M	1,1-Dichloroethane	20.000	20.207	-1.0	112	0.00
22	M	cis-1,2-Dichloroethene	20.000	20.511	-2.6	113	-0.01
23	M	tert-Butyl Alcohol	100.000	91.223	8.8	107	0.00
24	M	Methyl tert-Butyl Ether	20.000	20.480	-2.4	115	0.00
25	M	Chloroform	20.000	20.530	-2.7	112	0.00
26		Cyclohexane	20.000	20.069	-0.3	107	0.00
27	s	1,2-Dichloroethane-d4	30.000	30.226	-0.8	107	0.00
28	I	1,4-Difluorobenzene	30.000	30.000	0.0	115	0.00
29		1,1-Dichloropropene	20.000	19.254	3.7	111	0.00
30	M	2-Butanone	100.000	94.489	5.5	111	0.00
31		2,2-Dichloropropane	20.000	19.826	0.9	116	0.00
32	M	1,1,1-Trichloroethane	20.000	19.264	3.7	109	0.00
33	M	Carbon Tetrachloride	20.000	18.888	5.6	109	0.00
34	M	Benzene	20.000	19.246	3.8	112	0.00
35		Methacrylonitrile	20.000	18.152	9.2	104	0.00
36	M	1,2-Dichloroethane	20.000	19.368	3.2	114	0.00
37	M	Trichloroethene	20.000	19.949	0.3	116	0.00
38		Methylcyclohexane	20.000	19.000	5.0	119	0.00
39	M	1,2-Dichloropropane	20.000	19.143	4.3	109	0.00
40		Dibromomethane	20.000	19.271	3.6	110	0.00
41	M	Bromodichloromethane	20.000	19.343	3.3	113	0.00
42	M	Vinyl Acetate	100.000	97.906	2.1	117	0.00
43		Ethyl Acetate	20.000	18.066	9.7	113	0.00
44		Isopropyl Acetate	20.000	18.694	6.5	110	0.00
45	T	1,4-Dioxane	400.000	392.939	1.8	112	0.00
46		Methyl methacrylate	20.000	18.632	6.8	109	0.00
47		n-amyl Acetate	20.000	18.361	8.2	110	0.00
48	M	t-1,3-Dichloropropene	20.000	19.202	4.0	118	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085207.D
Acq On : 16 Dec 2024 09:42
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Dec 16 12:21:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
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	cis-1,3-Dichloropropene	20.000	19.544	2.3	115	0.00
50	M	1,1,2-Trichloroethane	20.000	19.311	3.4	111	0.00
51		Ethyl methacrylate	20.000	18.569	7.2	114	0.00
52		1,3-Dichloropropane	20.000	19.192	4.0	112	0.00
53	M	Dibromochloromethane	20.000	18.970	5.2	111	0.00
54	M	1,2-Dibromoethane	20.000	19.116	4.4	113	0.00
55	M	2-Chloroethyl vinyl ether	100.000	78.348	21.7	91	0.00
56	M	Bromoform	20.000	18.650	6.8	113	0.00
57	I	Chlorobenzene-d5	30.000	30.000	0.0	112	0.00
58	M	4-Methyl-2-Pentanone	100.000	91.560	8.4	102	0.00
59	M	2-Hexanone	100.000	94.267	5.7	104	0.00
60	S	4-Bromofluorobenzene	30.000	29.423	1.9	110	0.00
61	M	Tetrachloroethene	20.000	19.885	0.6	113	0.00
62	M	Toluene	20.000	19.467	2.7	111	0.00
63	S	Toluene-d8	30.000	29.497	1.7	108	0.00
64	M	Chlorobenzene	20.000	19.419	2.9	111	0.00
65		1,1,1,2-Tetrachloroethane	20.000	19.379	3.1	114	0.00
66	M	Ethyl Benzene	20.000	19.728	1.4	118	0.00
67	M	m/p-Xylenes	40.000	39.379	1.6	111	0.00
68	M	o-Xylene	20.000	20.208	-1.0	117	0.00
69	M	Styrene	20.000	19.998	0.0	116	0.00
70		Isopropylbenzene	20.000	20.013	-0.1	117	0.00
71	M	1,1,2,2-Tetrachloroethane	20.000	18.796	6.0	104	0.00
72		1,2,3-Trichloropropane	20.000	15.346	23.3	84	0.00
73		Bromobenzene	20.000	19.638	1.8	114	0.00
74		n-propylbenzene	20.000	19.456	2.7	112	0.00
75		2-Chlorotoluene	20.000	19.627	1.9	111	0.00
76		1,3,5-Trimethylbenzene	20.000	19.931	0.3	115	0.00
77		t-1,4-Dichloro-2-butene	20.000	18.888	5.6	112	0.00
78		4-Chlorotoluene	20.000	19.557	2.2	113	0.00
79		tert-butylbenzene	20.000	19.890	0.5	116	0.00
80		1,2,4-Trimethylbenzene	20.000	20.193	-1.0	116	0.00
81		sec-Butylbenzene	20.000	19.466	2.7	113	0.00
82		p-Isopropyltoluene	20.000	19.841	0.8	116	0.00
83	M	1,3-Dichlorobenzene	20.000	19.150	4.3	112	0.00
84	M	1,4-Dichlorobenzene	20.000	19.386	3.1	113	0.00
85		n-Butylbenzene	20.000	19.359	3.2	120	0.00
86	T	Hexachloroethane	20.000	19.297	3.5	112	0.00
87	M	1,2-Dichlorobenzene	20.000	19.338	3.3	113	0.00
88		1,2-Dibromo-3-Chloropropane	20.000	17.026	14.9	97	0.00
89		1,2,4-Trichlorobenzene	20.000	19.190	4.0	116	0.00
90		Hexachlorobutadiene	20.000	19.995	0.0	117	0.00
91	M	Naphthalene	20.000	18.602	7.0	123	0.00
92		1,2,3-Trichlorobenzene	20.000	19.190	4.0	116	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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.: P5283 SAS No.: P5283 SDG No.: P5283

Instrument ID: MSVOA_N Calibration Date/Time: 12/16/2024 16:33

Lab File ID: VN085216.D Init. Calib. Date(s): 12/06/2024 12/06/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:02 11:37

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

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	2.400	2.542		5.92	50
Chloromethane	2.124	2.194		3.3	50
Vinyl Chloride	2.173	2.299	0.1	5.8	50
Bromomethane	1.380	1.295	0.1	-6.16	50
Chloroethane	1.335	1.435		7.49	50
Trichlorofluoromethane	3.557	3.621		1.8	50
1,1,2-Trichlorotrifluoroethane	1.989	2.079		4.53	50
1,1-Dichloroethene	1.827	1.851	0.1	1.31	50
Acrolein	0.313	0.345		10.22	50
Acrylonitrile	0.895	0.922		3.02	50
Acetone	0.243	0.286		17.69	50
Carbon Disulfide	5.461	5.430		-0.57	50
Methyl tert-Butyl Ether	5.708	5.892		3.22	50
Methyl Acetate	2.155	2.321		7.7	50
Methylene Chloride	2.073	1.985		-4.24	50
trans-1,2-Dichloroethene	1.899	1.907		0.42	50
1,1-Dichloroethane	3.541	3.573	0.2	0.9	50
Cyclohexane	0.552	0.527		-4.53	50
2-Butanone	0.222	0.233		4.95	50
Carbon Tetrachloride	0.591	0.590	0.1	-0.17	50
2,2-Dichloropropane	0.621	0.621		0	50
cis-1,2-Dichloroethene	2.183	2.196		0.6	50
Chloroform	3.710	3.818	0.2	2.91	50
1,1,1-Trichloroethane	0.655	0.667	0.1	1.83	50
Methylcyclohexane	0.526	0.503		-4.37	50
1,1-Dichloropropene	0.484	0.483		-0.21	50
Benzene	1.521	1.495	0.5	-1.71	50
1,2-Dichloroethane	0.518	0.508	0.1	-1.93	50
Trichloroethene	0.362	0.357	0.3	-1.38	50
1,2-Dichloropropane	0.368	0.358		-2.72	50
Dibromomethane	0.264	0.267		1.14	50
Bromodichloromethane	0.565	0.559	0.2	-1.06	50
4-Methyl-2-Pentanone	0.490	0.496		1.22	50
Toluene	1.750	1.715	0.4	-2	50
t-1,3-Dichloropropene	0.554	0.539	0.1	-2.71	50
cis-1,3-Dichloropropene	0.604	0.579	0.2	-4.14	50
1,1,2-Trichloroethane	0.356	0.358	0.1	0.56	50
1,3-Dichloropropane	0.596	0.598		0.34	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P5283 SAS No.: P5283 SDG No.: P5283

Instrument ID: MSVOA_N Calibration Date/Time: 12/16/2024 16:33

Lab File ID: VN085216.D Init. Calib. Date(s): 12/06/2024 12/06/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:02 11:37

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

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
2-Hexanone	0.371	0.371		0	50
Dibromochloromethane	0.434	0.437	0.1	0.69	50
1,2-Dibromoethane	0.359	0.359		0	50
Tetrachloroethene	0.363	0.364	0.2	0.28	50
Chlorobenzene	1.080	1.100	0.5	1.85	50
1,1,1,2-Tetrachloroethane	0.403	0.400		-0.74	50
Hexachloroethane	0.285	0.297		4.21	50
Ethyl Benzene	1.857	1.856	0.1	-0.05	50
m/p-Xylenes	0.714	0.728	0.3	1.96	50
o-Xylene	0.671	0.684	0.3	1.94	50
Styrene	1.138	1.149	0.3	0.97	50
Bromoform	0.291	0.286	0.1	-1.72	50
Isopropylbenzene	1.730	1.742		0.69	50
1,1,2,2-Tetrachloroethane	0.526	0.537	0.3	2.09	50
1,2,3-Trichloropropane	0.520	0.497		-4.42	50
Bromobenzene	0.433	0.445		2.77	50
n-propylbenzene	2.079	2.096		0.82	50
2-Chlorotoluene	1.286	1.290		0.31	50
1,3,5-Trimethylbenzene	1.482	1.515		2.23	50
4-Chlorotoluene	1.305	1.313		0.61	50
tert-butylbenzene	1.217	1.212		-0.41	50
1,2,4-Trimethylbenzene	1.464	1.522		3.96	50
sec-Butylbenzene	1.729	1.739		0.58	50
p-Isopropyltoluene	1.434	1.465		2.16	50
1,3-Dichlorobenzene	0.795	0.800	0.2	0.63	50
1,4-Dichlorobenzene	0.775	0.796	0.2	2.71	50
n-Butylbenzene	1.203	1.189		-1.16	50
1,2-Dichlorobenzene	0.750	0.765	0.2	2	50
1,2-Dibromo-3-Chloropropane	0.105	0.105		0	50
1,2,4-Trichlorobenzene	0.367	0.358	0.2	-2.45	50
Hexachlorobutadiene	0.191	0.187		-2.09	50
Naphthalene	1.142	1.106		-3.15	50
1,2,3-Trichlorobenzene	0.367	0.358		-2.45	50
1,2-Dichloroethane-d4	2.380	2.419	0.01	1.64	50
Toluene-d8	1.407	1.395	0.01	-0.85	50
4-Bromofluorobenzene	0.496	0.502	0.2	1.21	50
Methyl Iodide	2.534	2.053		-18.98	50
Methyl methacrylate	0.352	0.365		3.69	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085216.D
Acq On : 16 Dec 2024 16:33
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 17 02:01:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	29360	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	158547	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	146162	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	71020	30.486	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.633%				
60) 4-Bromofluorobenzene	12.847	95	73363	30.335	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.133%				
63) Toluene-d8	10.565	98	203918	29.742	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.133%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	49748	21.179	ug/l		93
3) Chloromethane	2.359	50	42949	20.658	ug/l		99
4) Vinyl Chloride	2.512	62	44990	21.156	ug/l		97
5) Bromomethane	2.959	94	25352	18.777	ug/l		93
6) Chloroethane	3.118	64	28088	21.499	ug/l		100
7) Trichlorofluoromethane	3.501	101	70874	20.361	ug/l		99
8) Diethyl Ether	3.959	74	22341	20.263	ug/l		99
9) 1,1,2-Trichlorotrifluo...	4.371	101	40686	20.901	ug/l		98
10) 1,1-Dichloroethene	4.336	96	36236	20.266	ug/l		94
11) Methyl Iodide	4.583	142	40185	16.205	ug/l		92
12) Methyl Acetate	5.024	43	45420	21.532	ug/l		94
13) Acrolein	4.177	56	33787	110.222	ug/l		93
14) Acrylonitrile	5.718	53	90277	103.071	ug/l		99
15) Acetone	4.424	58	28037	118.123	ug/l		98
16) Carbon Disulfide	4.706	76	106280	19.886	ug/l		97
17) Allyl chloride	5.024	41	49851	19.485	ug/l		93
18) Methylene Chloride	5.271	84	38850	19.149	ug/l		96
19) trans-1,2-Dichloroethene	5.777	96	37332	20.087	ug/l		98
20) Diisopropyl ether	6.671	45	112534	20.042	ug/l		98
21) 1,1-Dichloroethane	6.565	63	69939	20.181	ug/l	#	95
22) cis-1,2-Dichloroethene	7.489	96	42975	20.118	ug/l		99
23) tert-Butyl Alcohol	5.512	59	31217	99.351	ug/l	#	100
24) Methyl tert-Butyl Ether	5.795	73	115332	20.646	ug/l	#	76
25) Chloroform	7.965	83	74737	20.586	ug/l		94
26) Cyclohexane	8.253	56	55678	19.513	ug/l	#	90
29) 1,1-Dichloropropene	8.365	75	51044	19.952	ug/l		98
30) 2-Butanone	7.483	43	122922	104.700	ug/l		99
31) 2,2-Dichloropropane	7.483	77	65668	20.016	ug/l	#	100
32) 1,1,1-Trichloroethane	8.171	97	70477	20.352	ug/l		98
33) Carbon Tetrachloride	8.359	117	62403	19.971	ug/l		92
34) Benzene	8.600	78	158070	19.668	ug/l		98
35) Methacrylonitrile	7.771	41	24639	18.649	ug/l		88
36) 1,2-Dichloroethane	8.665	62	53647	19.608	ug/l		100
37) Trichloroethene	9.347	130	37732	19.715	ug/l		89
38) Methylcyclohexane	9.600	83	53143	19.104	ug/l		95
39) 1,2-Dichloropropane	9.618	63	37813	19.424	ug/l		96
40) Dibromomethane	9.706	93	28271	20.246	ug/l		99
41) Bromodichloromethane	9.883	83	59043	19.780	ug/l		95
42) Vinyl Acetate	6.600	43	421239	102.535	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085216.D
Acq On : 16 Dec 2024 16:33
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 17 02:01:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	47420	20.300	ug/l	96
44) Isopropyl Acetate	8.683	43	83434	20.553	ug/l	100
45) 1,4-Dioxane	9.694	88	13913	410.991	ug/l	96
46) Methyl methacrylate	9.677	41	38564	20.757	ug/l	89
47) n-amyl Acetate	12.488	43	68064	19.928	ug/l	98
48) t-1,3-Dichloropropene	10.835	75	56984	19.447	ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	61200	19.185	ug/l	99
50) 1,1,2-Trichloroethane	11.012	97	37831	20.106	ug/l	97
51) Ethyl methacrylate	10.871	69	56637	19.790	ug/l	96
52) 1,3-Dichloropropane	11.159	76	63193	20.068	ug/l	99
53) Dibromochloromethane	11.359	129	46186	20.142	ug/l	97
54) 1,2-Dibromoethane	11.465	107	37912	19.998	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	127137	95.632	ug/l	98
56) Bromoform	12.576	173	30230	19.663	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	241784	101.359	ug/l	98
59) 2-Hexanone	11.194	43	180597	99.918	ug/l	98
61) Tetrachloroethene	11.100	164	35484	20.047	ug/l	88
62) Toluene	10.630	91	167102	19.603	ug/l	99
64) Chlorobenzene	11.888	112	107226	20.374	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.959	131	38942	19.821	ug/l	99
66) Ethyl Benzene	11.959	91	180830	19.992	ug/l	94
67) m/p-Xylenes	12.071	106	141848	40.773	ug/l	99
68) o-Xylene	12.394	106	66647	20.398	ug/l	97
69) Styrene	12.412	104	111932	20.189	ug/l	99
70) Isopropylbenzene	12.694	105	169768	20.146	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	52367	20.416	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	48416m	19.108	ug/l	
73) Bromobenzene	12.982	156	43360	20.542	ug/l	97
74) n-propylbenzene	13.035	91	204268	20.162	ug/l	99
75) 2-Chlorotoluene	13.123	91	125691	20.066	ug/l	98
76) 1,3,5-Trimethylbenzene	13.171	105	147652	20.451	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	17306	18.797	ug/l	98
78) 4-Chlorotoluene	13.218	91	127980	20.129	ug/l	100
79) tert-butylbenzene	13.435	119	118141	19.923	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	148267	20.790	ug/l	99
81) sec-Butylbenzene	13.612	105	169428	20.111	ug/l	98
82) p-Isopropyltoluene	13.729	119	142796	20.444	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	77972	20.134	ug/l	100
84) 1,4-Dichlorobenzene	13.812	146	77546	20.546	ug/l	99
85) n-Butylbenzene	14.053	91	115848	19.773	ug/l	99
86) Hexachloroethane	14.329	117	28941	20.814	ug/l	98
87) 1,2-Dichlorobenzene	14.100	146	74498	20.380	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10280	20.062	ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	34875	19.481	ug/l	96
90) Hexachlorobutadiene	15.500	225	18191	19.555	ug/l	96
91) Naphthalene	15.641	128	107788	19.380	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	34875	19.481	ug/l	96

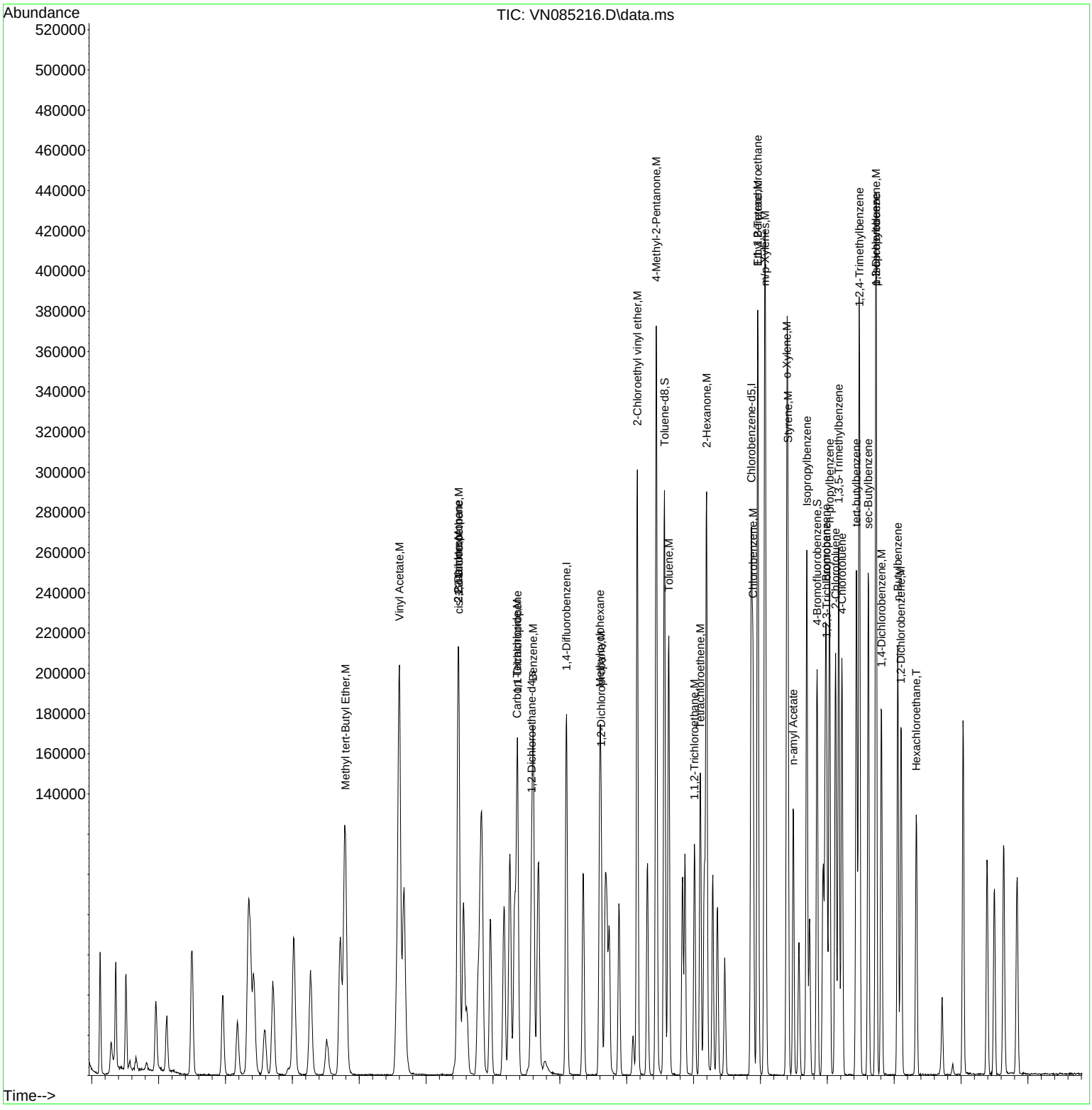
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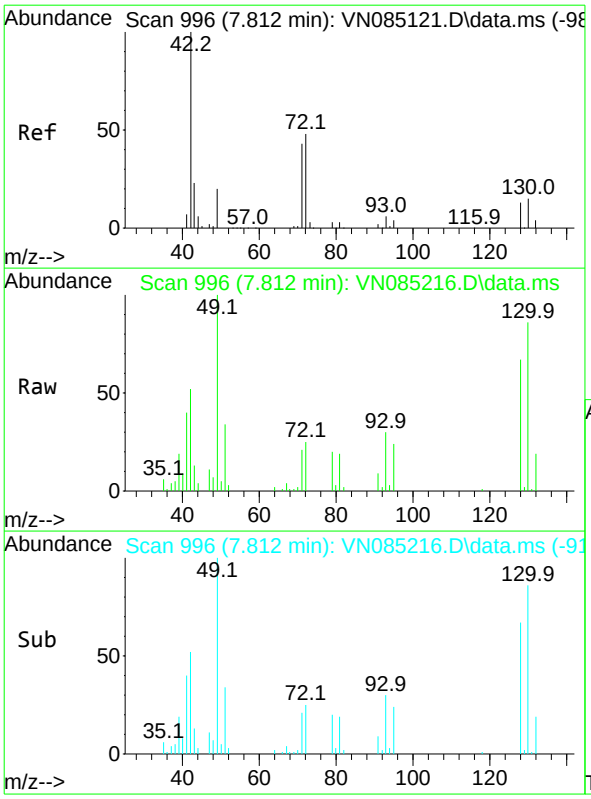
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Data File : VN085216.D
Acq On : 16 Dec 2024 16:33
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 17 02:01:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

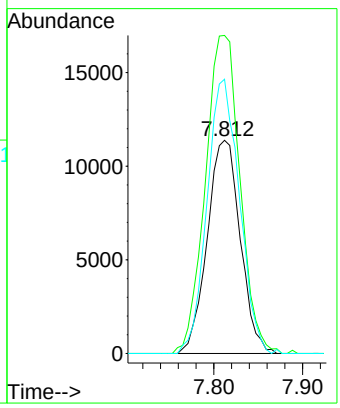




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:128 Resp: 29360

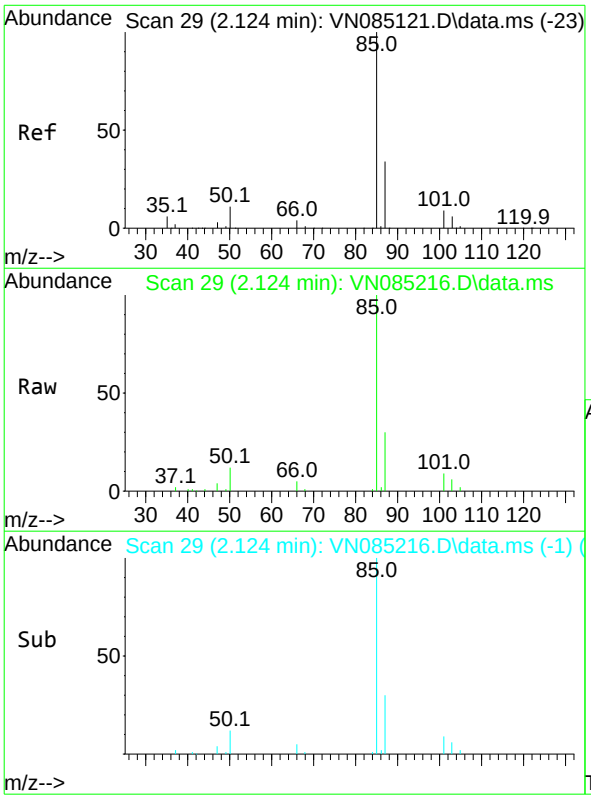
Ion	Ratio	Lower	Upper
128	100		
49	156.7	0.0	394.5
130	126.4	0.0	316.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

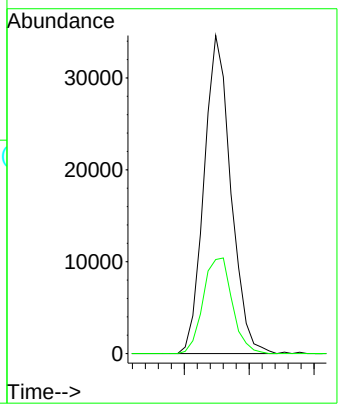
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

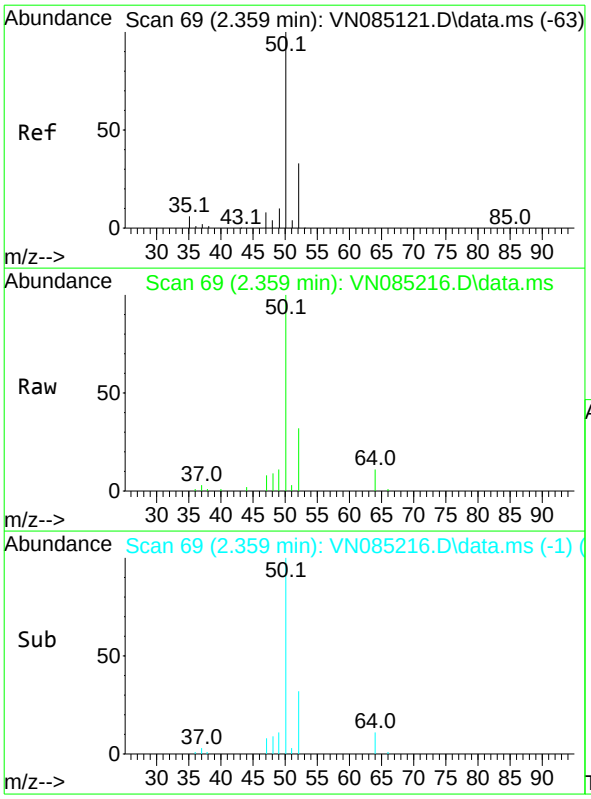


#2
Dichlorodifluoromethane
Concen: 21.179 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 85 Resp: 49748

Ion	Ratio	Lower	Upper
85	100		
87	29.6	16.8	50.3

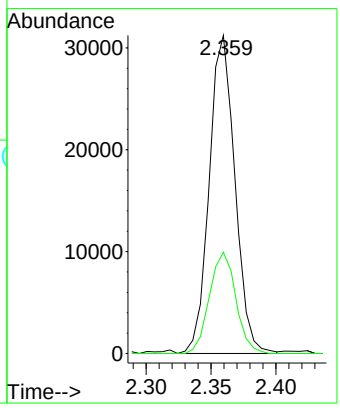




#3
Chloromethane
Concen: 20.658 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 50 Resp: 42949

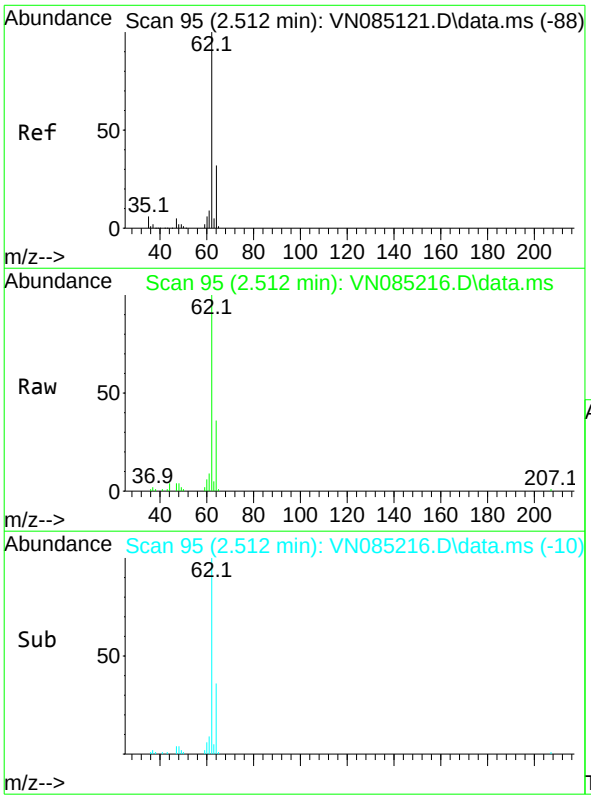
Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.0	37.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

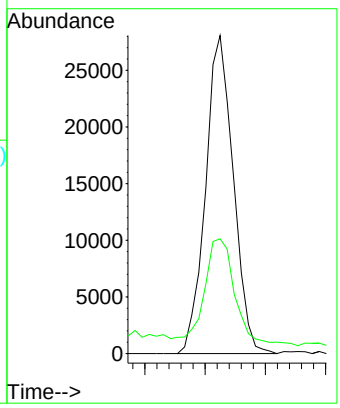
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

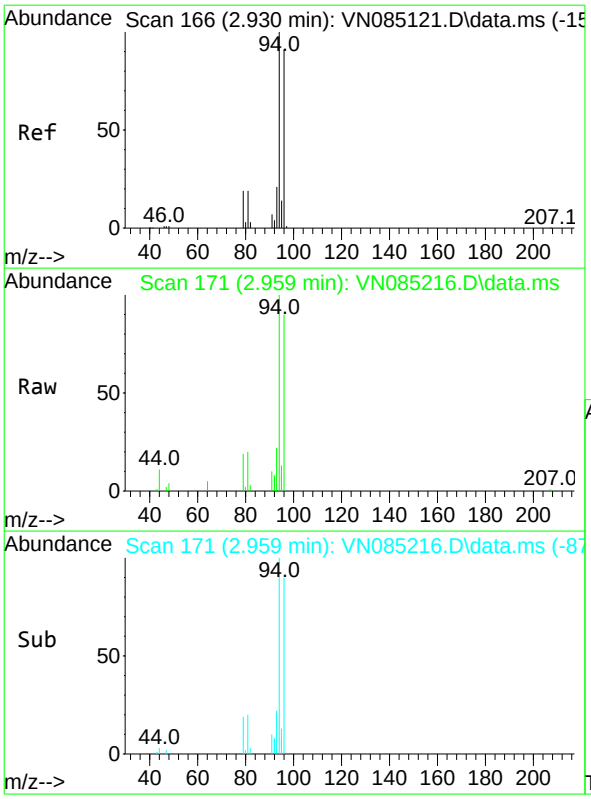


#4
Vinyl Chloride
Concen: 21.156 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 62 Resp: 44990

Ion	Ratio	Lower	Upper
62	100		
64	32.5	24.9	37.3

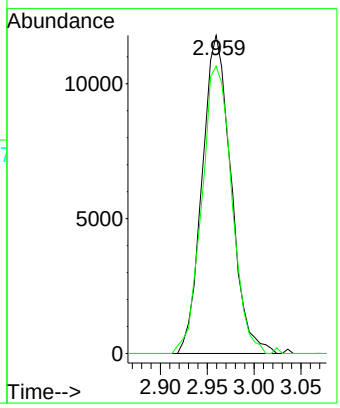




#5
Bromomethane
Concen: 18.777 ug/l
RT: 2.959 min Scan# 17
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 94 Resp: 25352

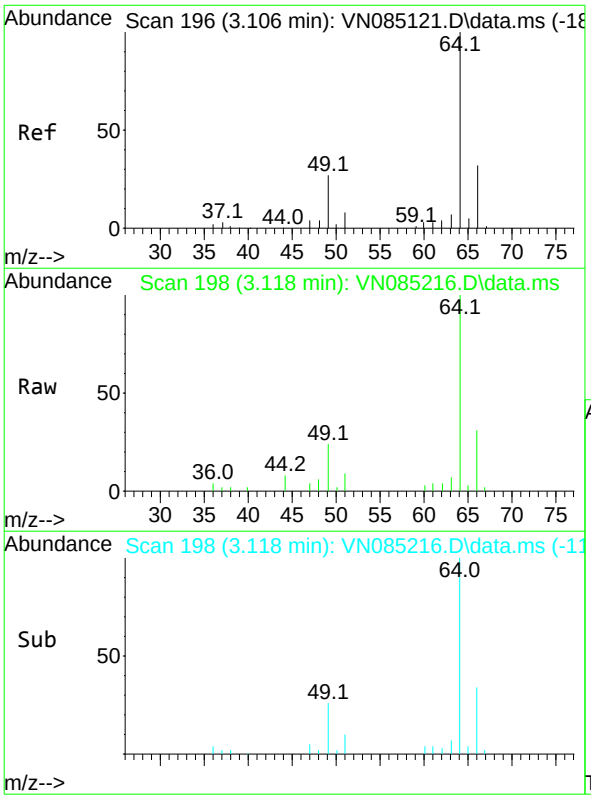
Ion	Ratio	Lower	Upper
94	100		
96	88.5	76.2	114.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

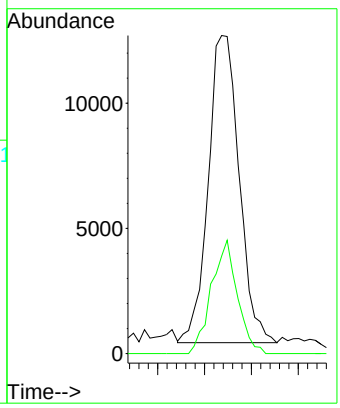
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

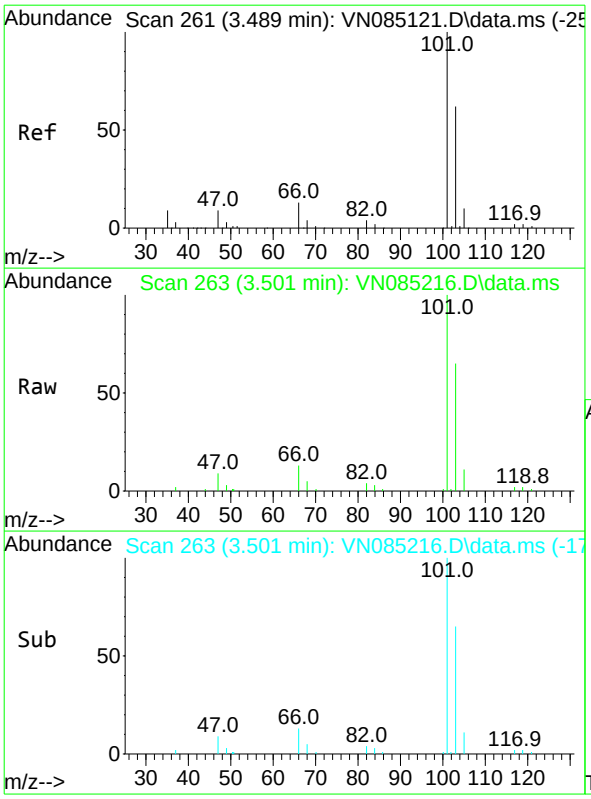


#6
Chloroethane
Concen: 21.499 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 64 Resp: 28088

Ion	Ratio	Lower	Upper
64	100		
66	31.7	25.5	38.3

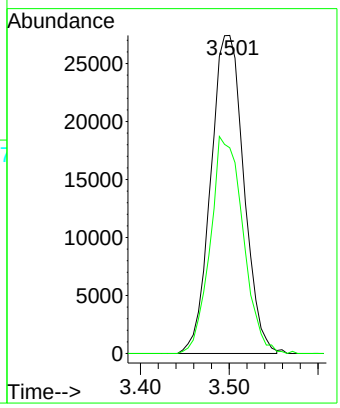




#7
Trichlorofluoromethane
Concen: 20.361 ug/l
RT: 3.501 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:101 Resp: 70874

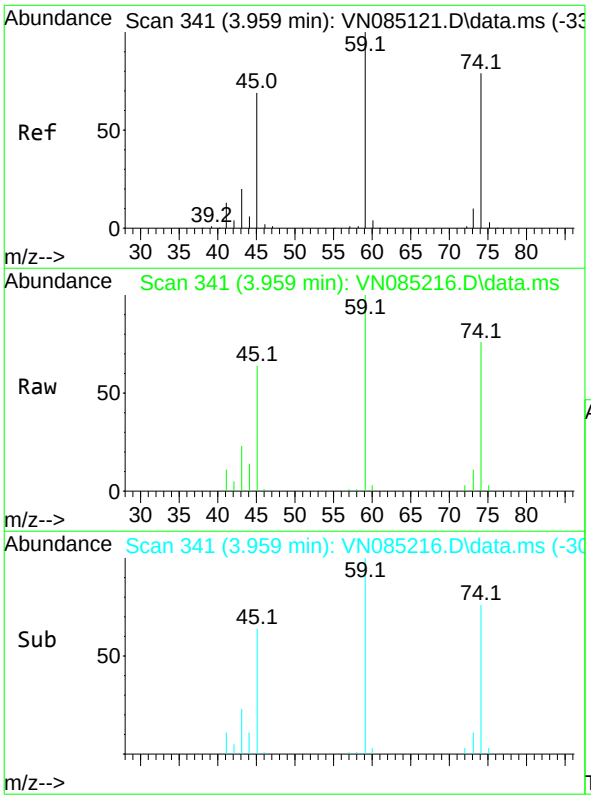
Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.3	76.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

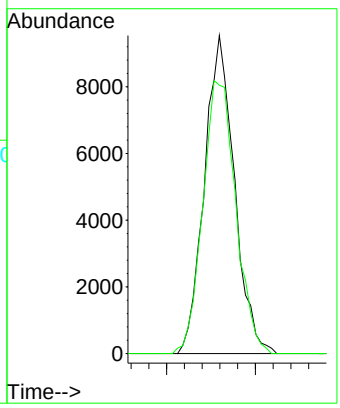
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

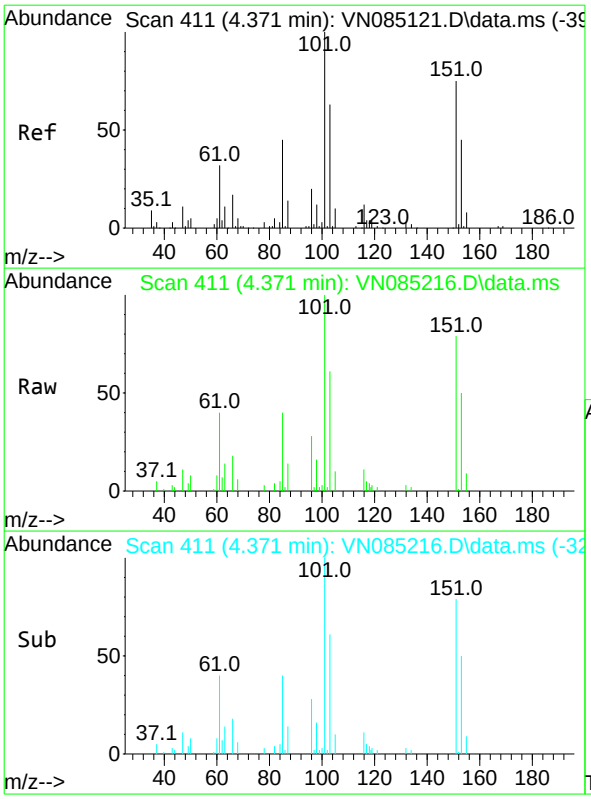


#8
Diethyl Ether
Concen: 20.263 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 74 Resp: 22341

Ion	Ratio	Lower	Upper
74	100		
45	94.3	18.6	167.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.901 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

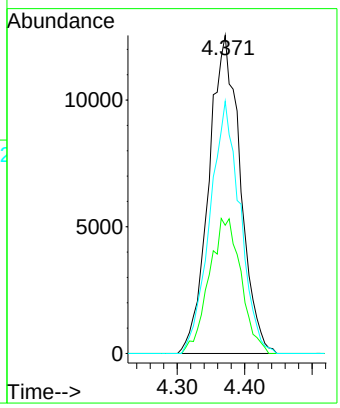
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

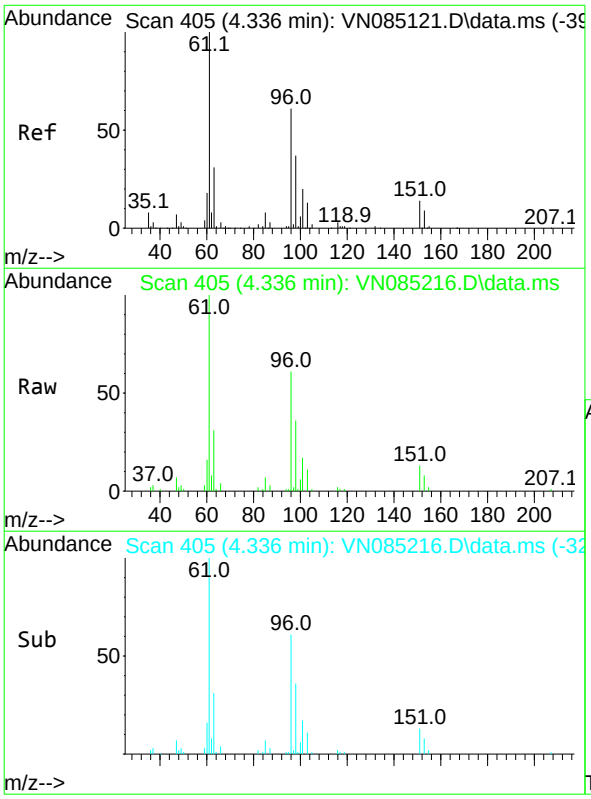
Tgt Ion:101 Resp: 40686

Ion	Ratio	Lower	Upper
101	100		
85	43.3	0.0	88.6
151	76.1	0.0	155.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

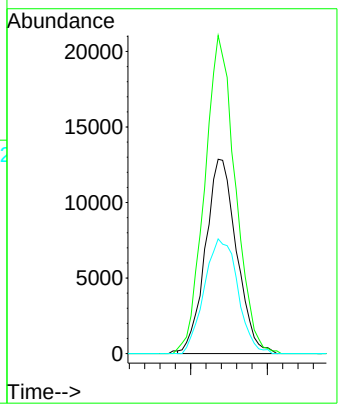


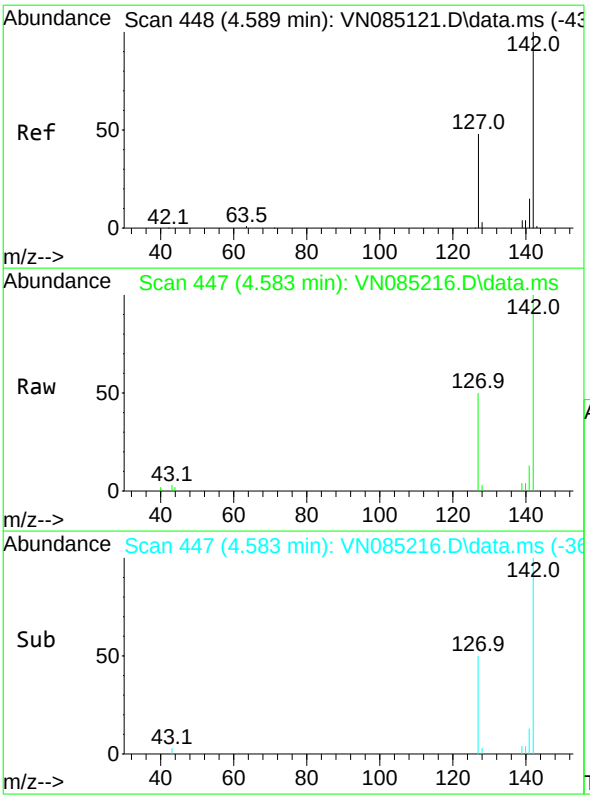


#10
1,1-Dichloroethene
Concen: 20.266 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 96 Resp: 36236

Ion	Ratio	Lower	Upper
96	100		
61	162.2	123.0	184.4
98	59.0	49.1	73.7

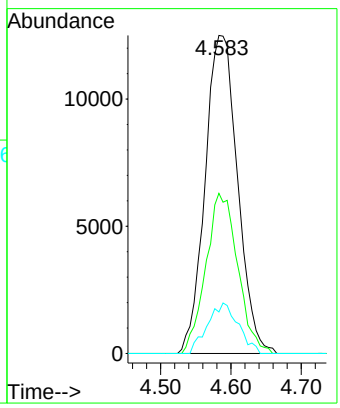




#11
Methyl Iodide
Concen: 16.205 ug/l
RT: 4.583 min Scan# 44
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:142 Resp: 40185

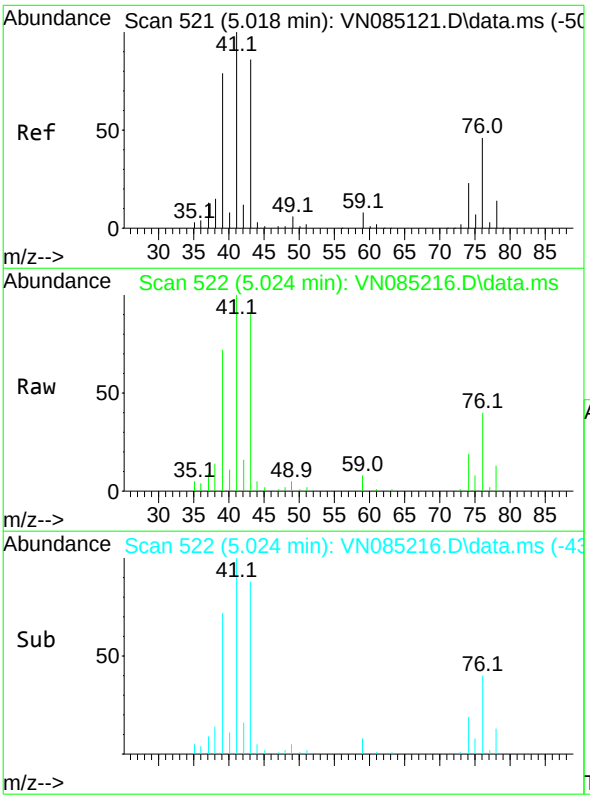
Ion	Ratio	Lower	Upper
142	100		
127	50.3	22.5	67.5
141	13.1	8.3	24.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
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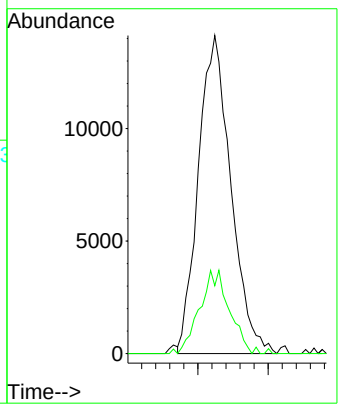
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

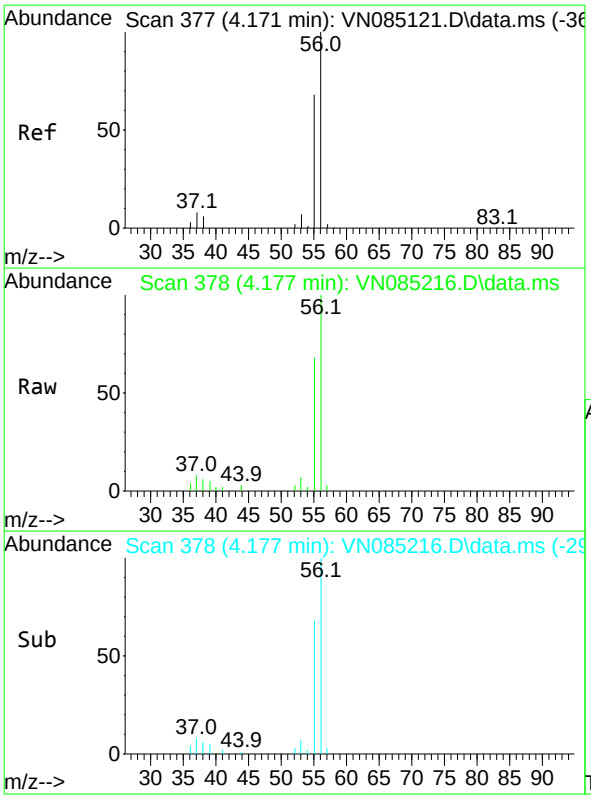


#12
Methyl Acetate
Concen: 21.532 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 43 Resp: 45420

Ion	Ratio	Lower	Upper
43	100		
74	21.6	19.8	29.6

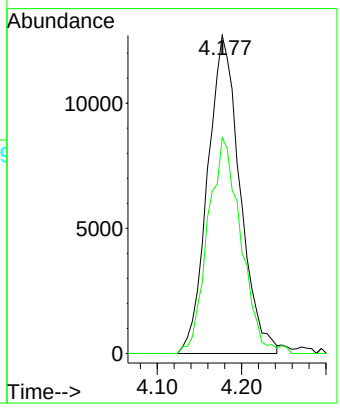




#13
Acrolein
Concen: 110.222 ug/l
RT: 4.177 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 56 Resp: 33787

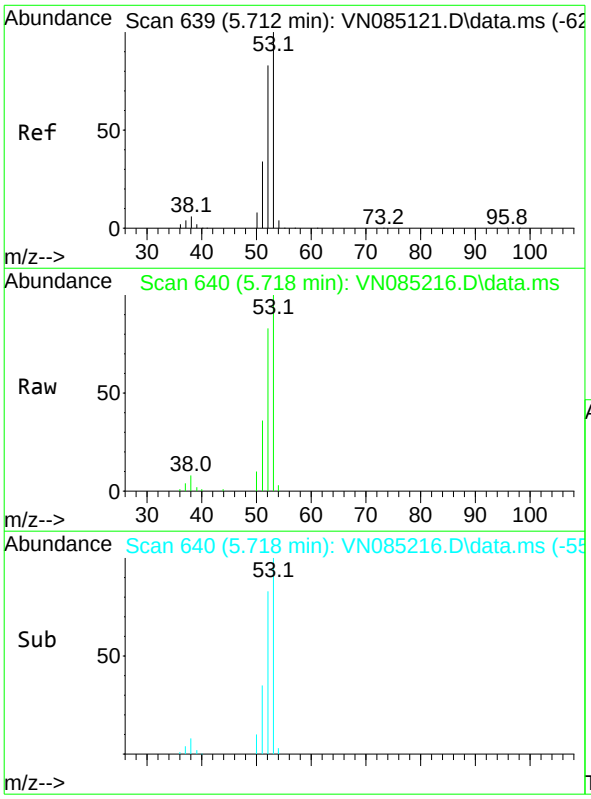
Ion	Ratio	Lower	Upper
56	100		
55	68.5	59.4	89.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
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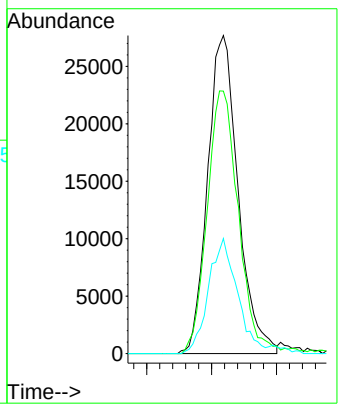
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

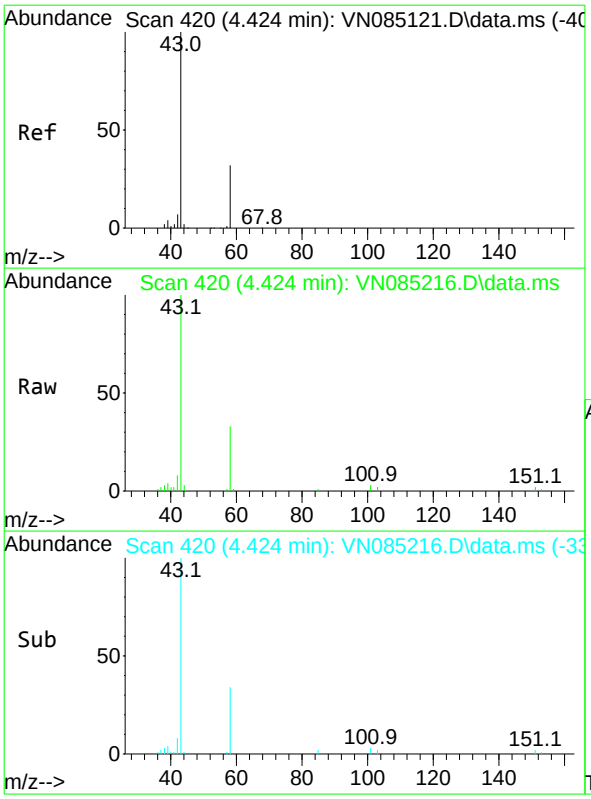


#14
Acrylonitrile
Concen: 103.071 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 53 Resp: 90277

Ion	Ratio	Lower	Upper
53	100		
52	84.4	42.9	128.5
51	34.1	17.2	51.5

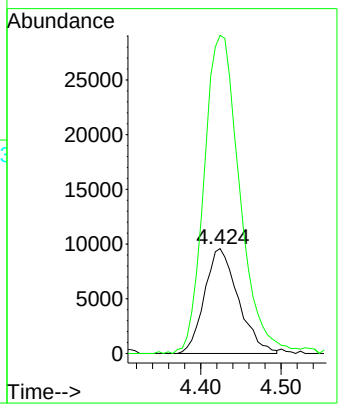




#15
Acetone
Concen: 118.123 ug/l
RT: 4.424 min Scan# 42
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 58 Resp: 28037

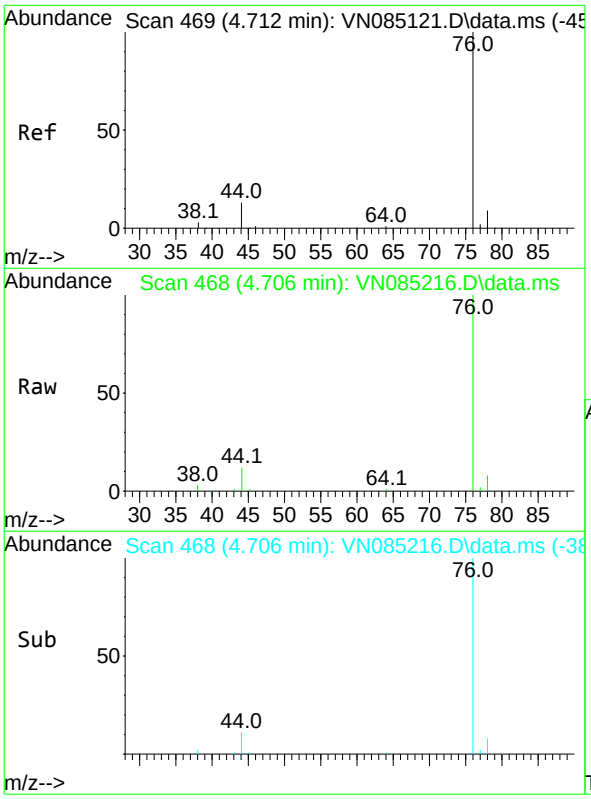
Ion	Ratio	Lower	Upper
58	100		
43	299.4	242.3	363.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
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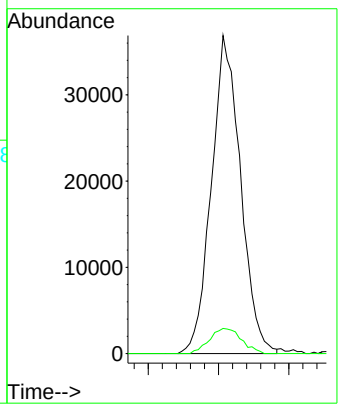
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

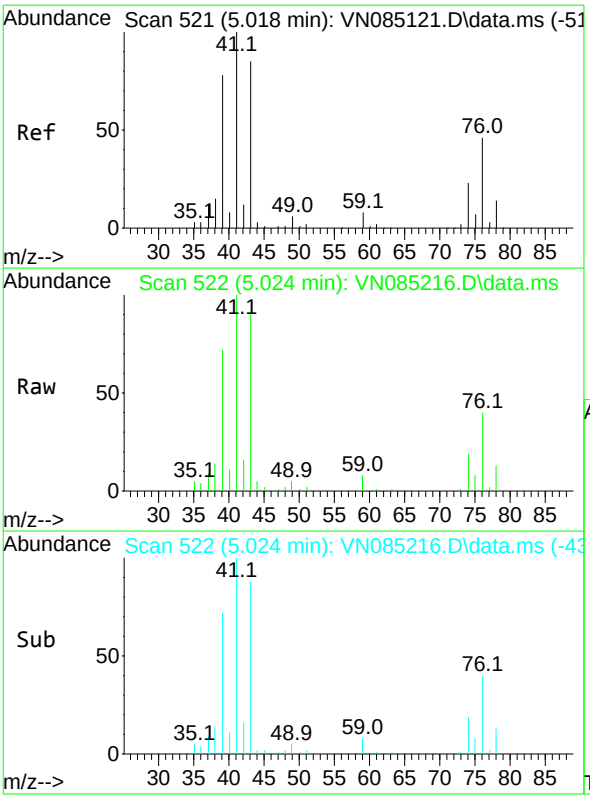


#16
Carbon Disulfide
Concen: 19.886 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 76 Resp: 106280

Ion	Ratio	Lower	Upper
76	100		
78	7.9	7.1	10.7

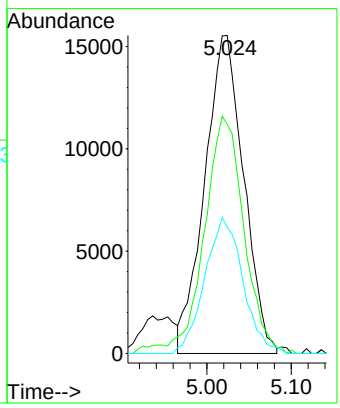




#17
Allyl chloride
Concen: 19.485 ug/l
RT: 5.024 min Scan# 52
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 41 Resp: 49851

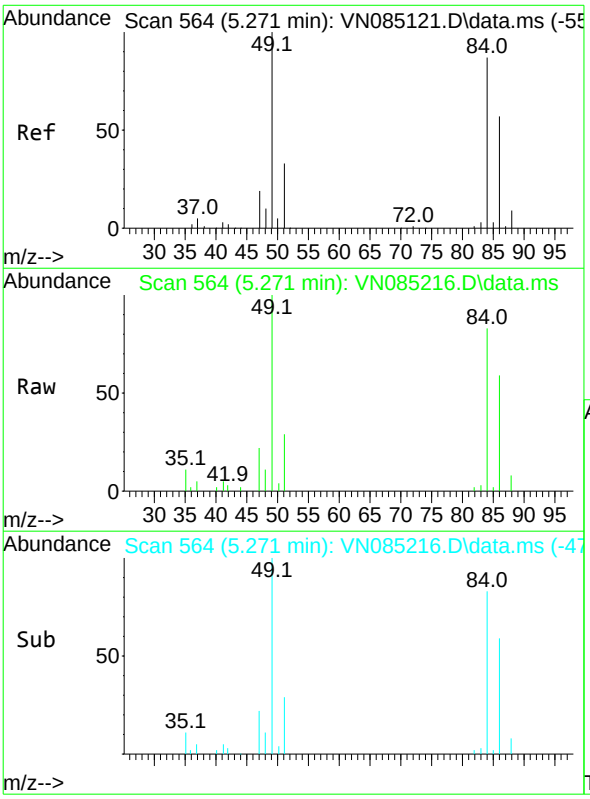
Ion	Ratio	Lower	Upper
41	100		
39	71.4	32.0	96.2
76	38.5	20.2	60.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
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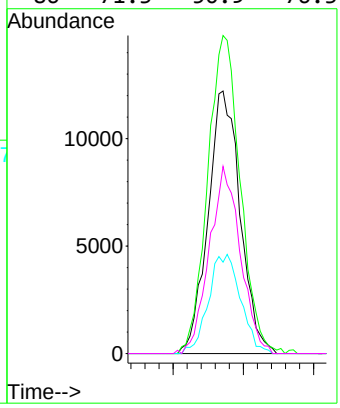
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

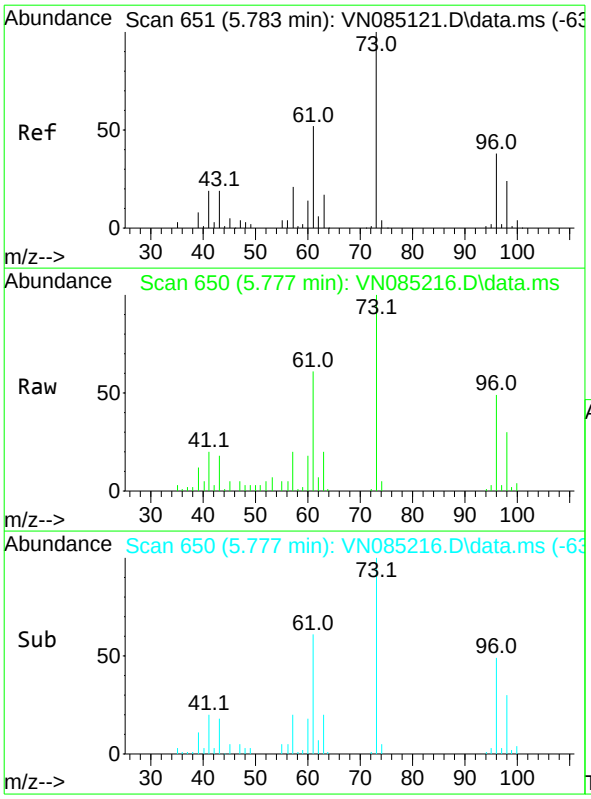


#18
Methylene Chloride
Concen: 19.149 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 84 Resp: 38850

Ion	Ratio	Lower	Upper
84	100		
49	121.1	95.1	142.7
51	34.8	27.4	41.0
86	71.3	50.9	76.3

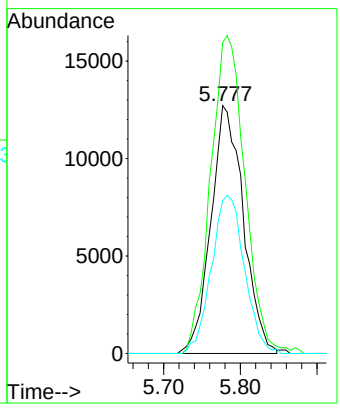




#19
trans-1,2-Dichloroethene
Concen: 20.087 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 96 Resp: 37332

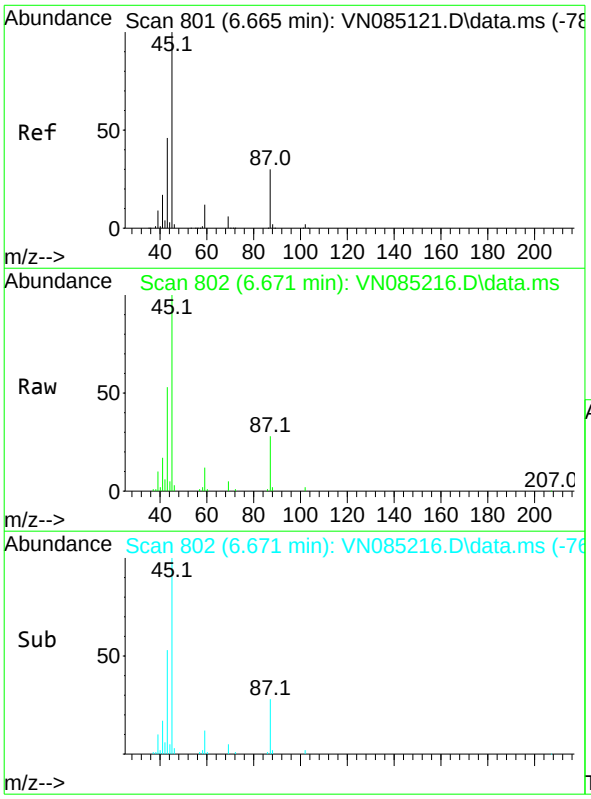
Ion	Ratio	Lower	Upper
96	100		
61	125.4	100.4	150.6
98	61.6	52.6	79.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

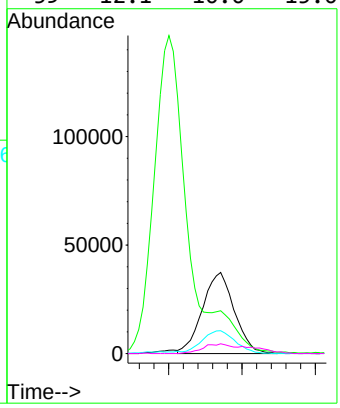
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

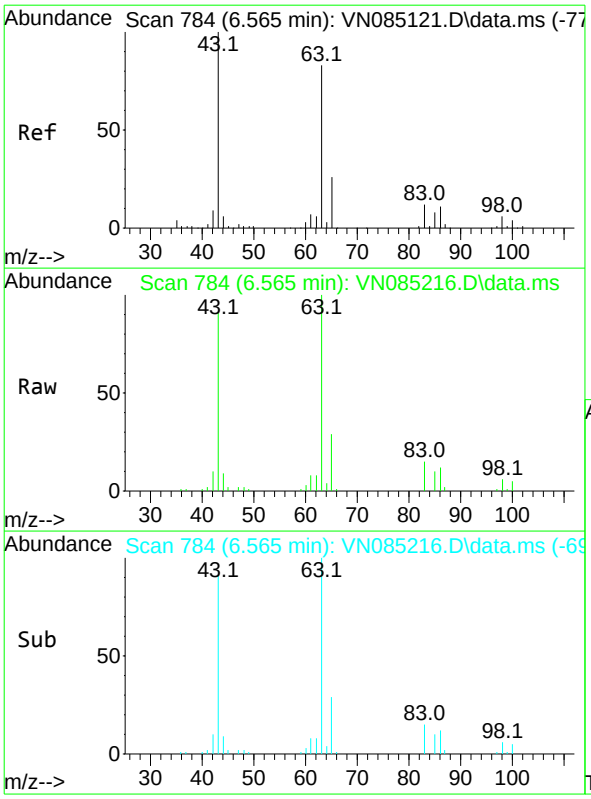


#20
Diisopropyl ether
Concen: 20.042 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 45 Resp: 112534

Ion	Ratio	Lower	Upper
45	100		
43	51.2	41.9	62.9
87	28.2	24.1	36.1
59	12.1	10.0	15.0

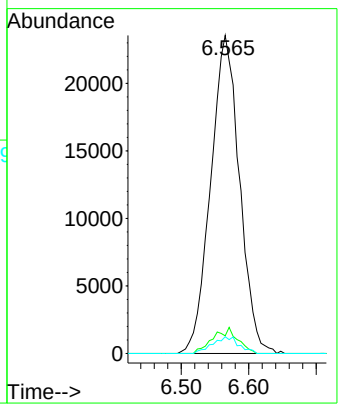




#21
1,1-Dichloroethane
Concen: 20.181 ug/l
RT: 6.565 min Scan# 78
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 63 Resp: 69939

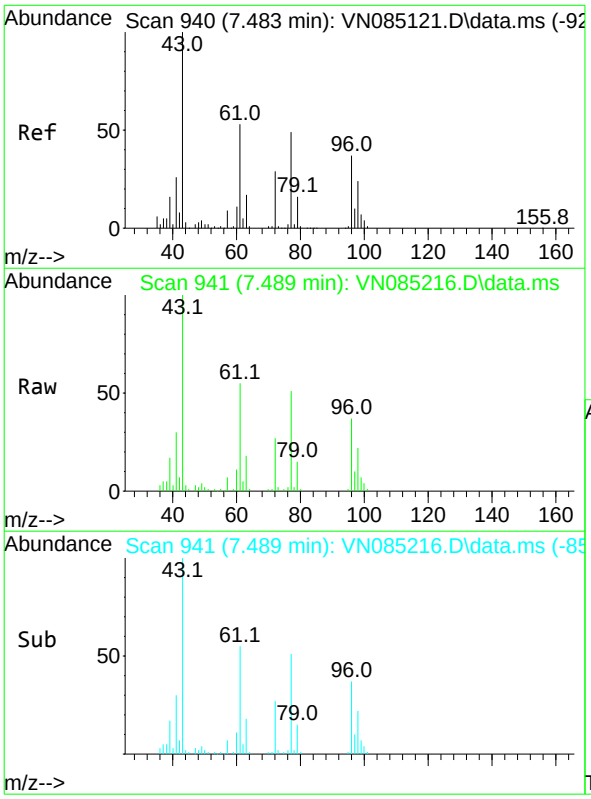
Ion	Ratio	Lower	Upper
63	100		
98	5.5	3.5	10.4
100	5.3	1.6	4.8#



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

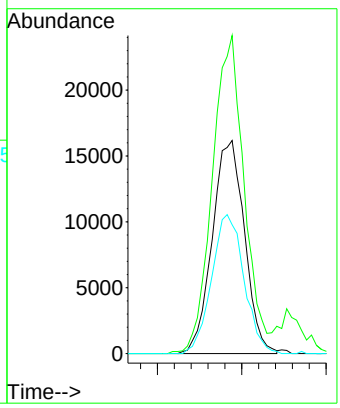
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

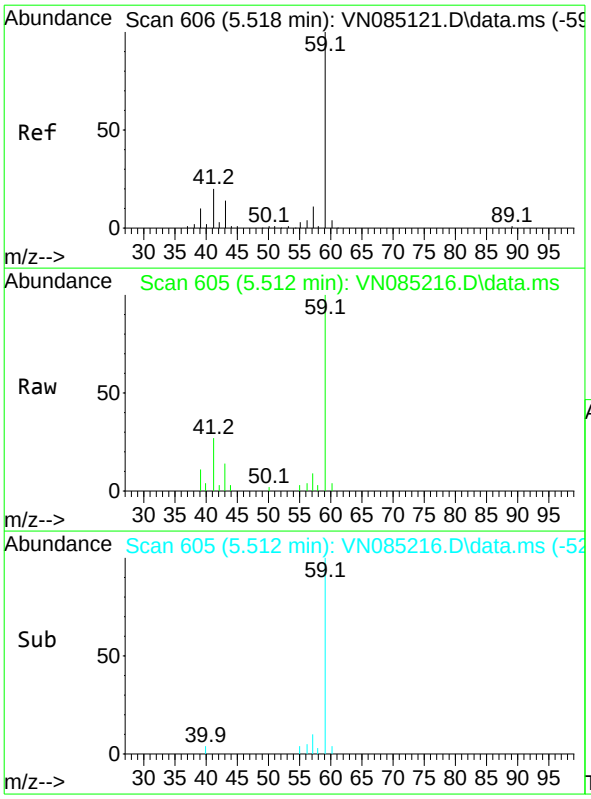


#22
cis-1,2-Dichloroethene
Concen: 20.118 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 96 Resp: 42975

Ion	Ratio	Lower	Upper
96	100		
61	146.1	115.9	173.9
98	65.5	51.8	77.8

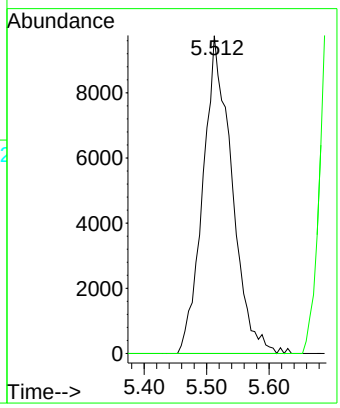




#23
tert-Butyl Alcohol
Concen: 99.351 ug/l
RT: 5.512 min Scan# 60
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 59 Resp: 31217

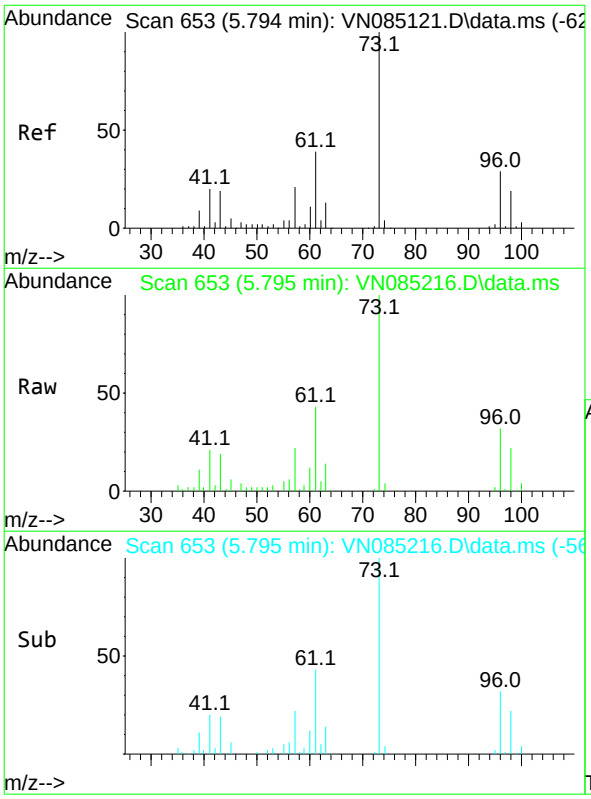
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
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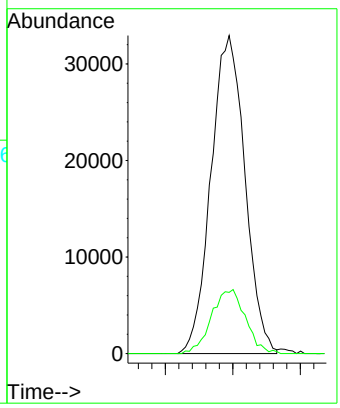
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

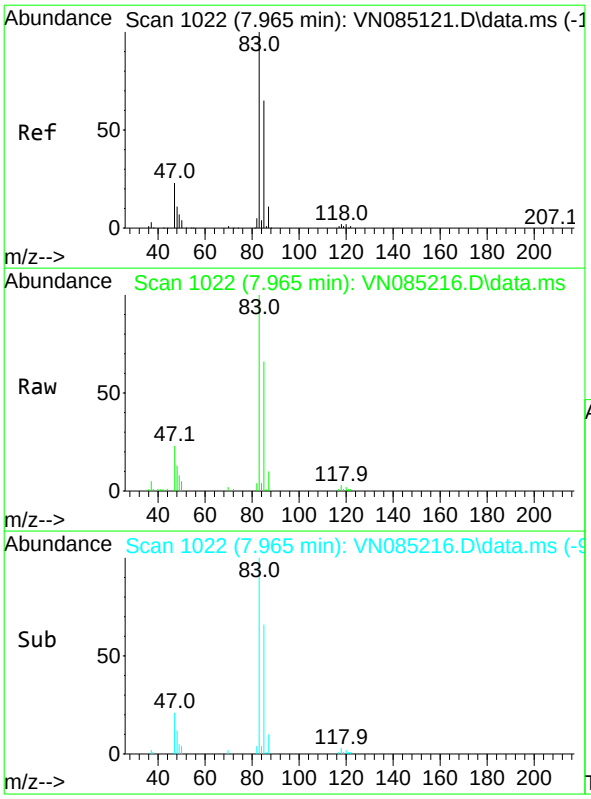


#24
Methyl tert-Butyl Ether
Concen: 20.646 ug/l
RT: 5.795 min Scan# 653
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 73 Resp: 115332

Ion	Ratio	Lower	Upper
73	100		
43	20.0	8.7	13.1#

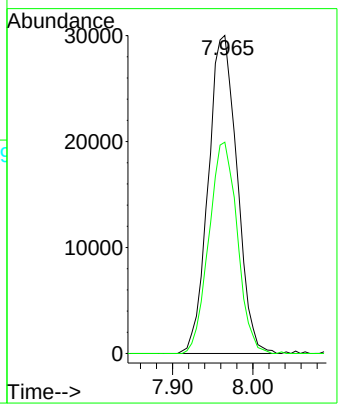




#25
Chloroform
Concen: 20.586 ug/l
RT: 7.965 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 83 Resp: 74737

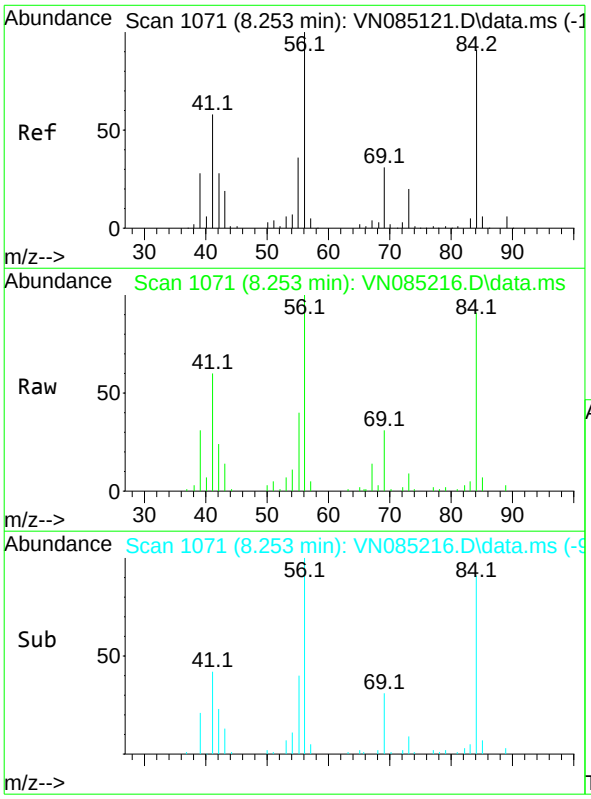
Ion	Ratio	Lower	Upper
83	100		
85	66.4	49.4	74.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

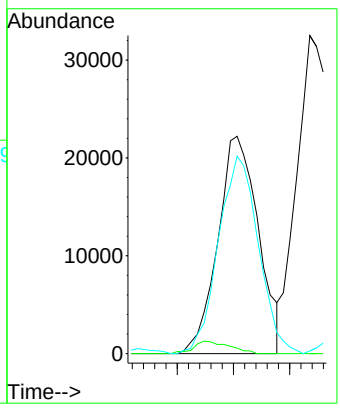
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

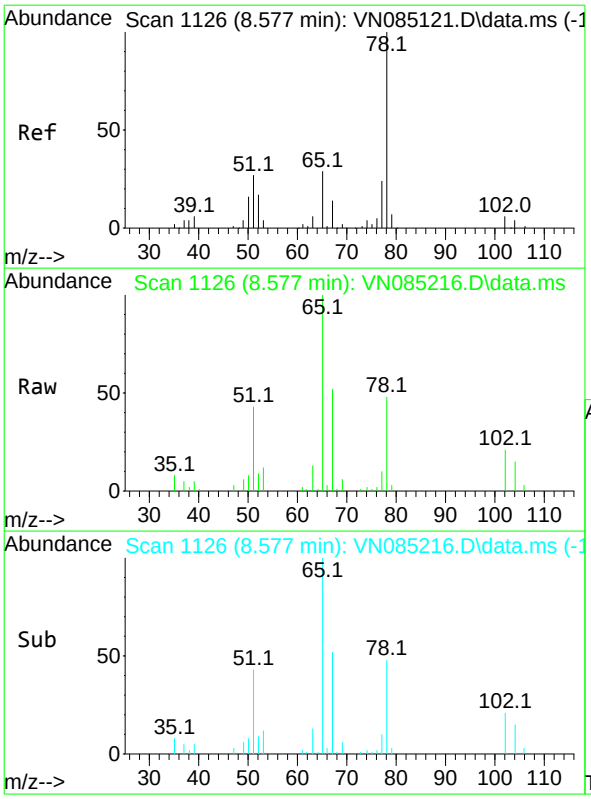


#26
Cyclohexane
Concen: 19.513 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 56 Resp: 55678

Ion	Ratio	Lower	Upper
56	100		
89	4.8	19.5	29.3#
84	89.5	70.6	105.8

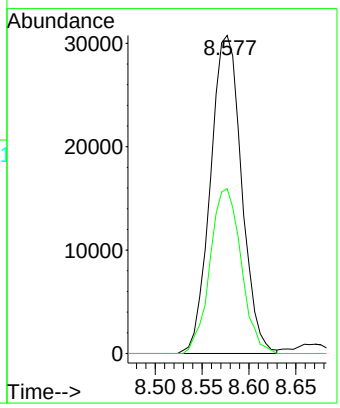




#27
1,2-Dichloroethane-d4
Concen: 30.486 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 65 Resp: 71020

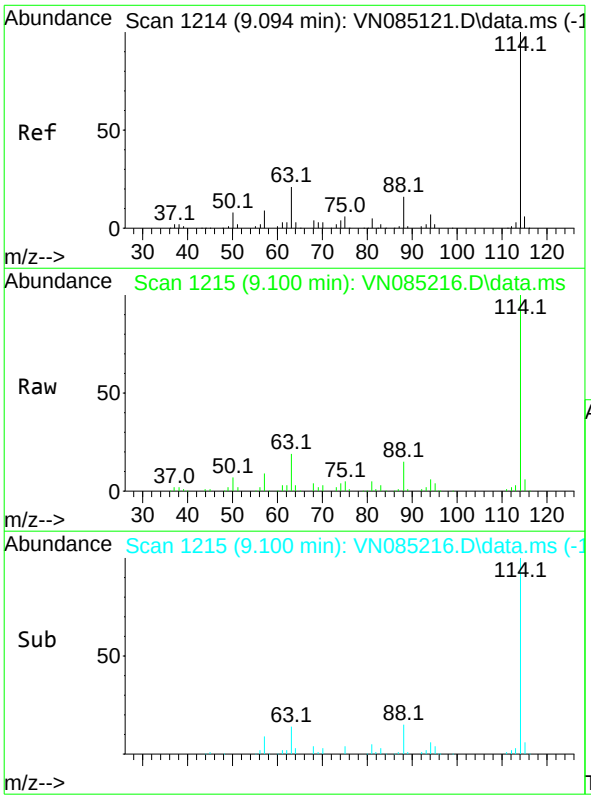
Ion	Ratio	Lower	Upper
65	100		
67	51.9	39.9	59.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

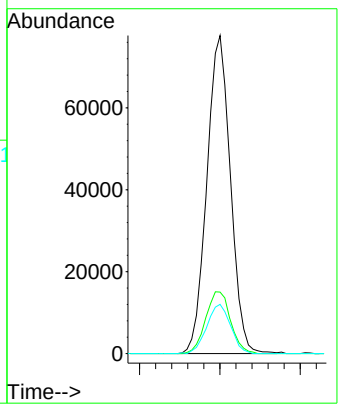
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

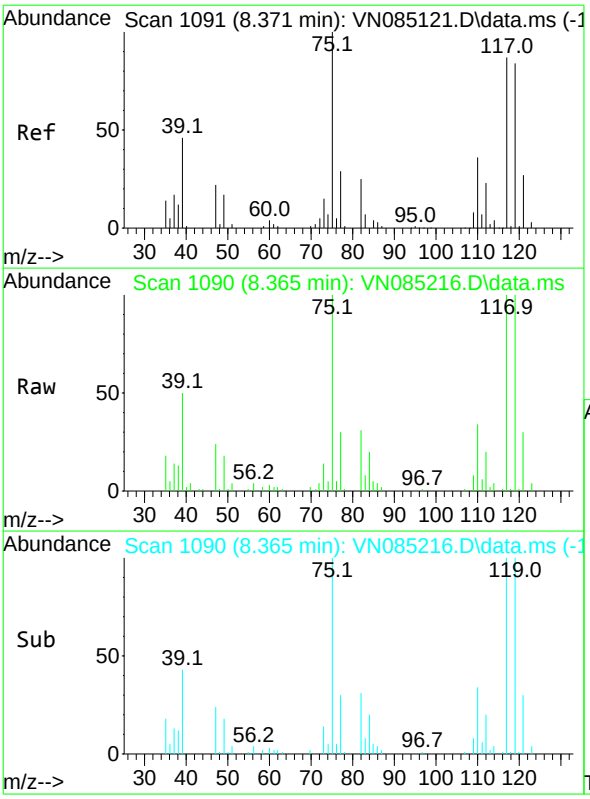


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:114 Resp: 158547

Ion	Ratio	Lower	Upper
114	100		
63	20.4	16.2	24.2
88	15.6	12.5	18.7

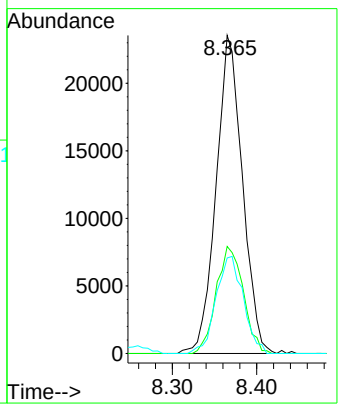




#29
1,1-Dichloropropene
Concen: 19.952 ug/l
RT: 8.365 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 75 Resp: 51044

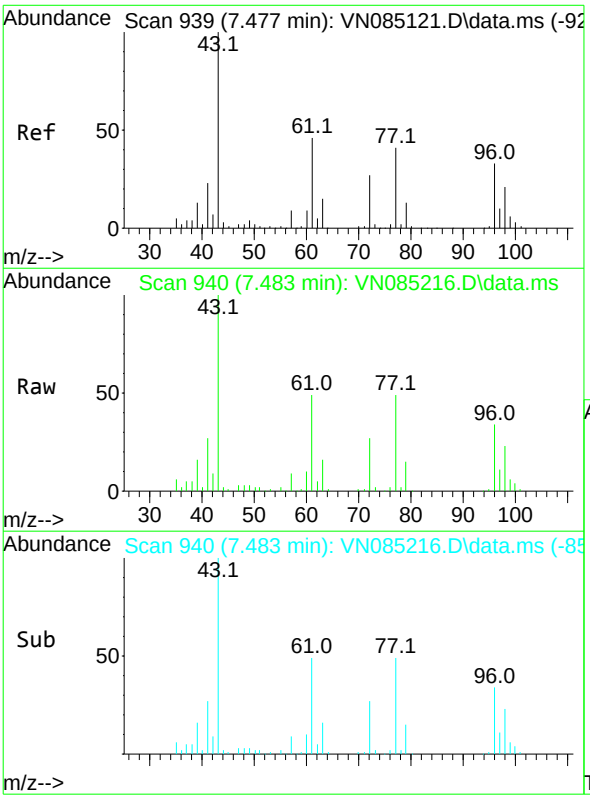
Ion	Ratio	Lower	Upper
75	100		
110	34.7	0.0	71.6
77	31.7	0.0	62.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

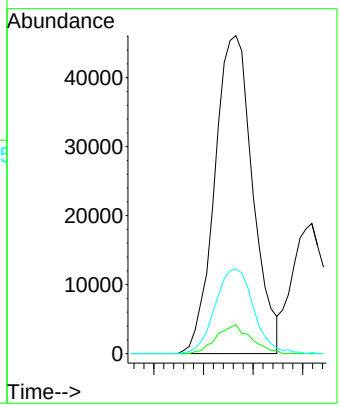
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

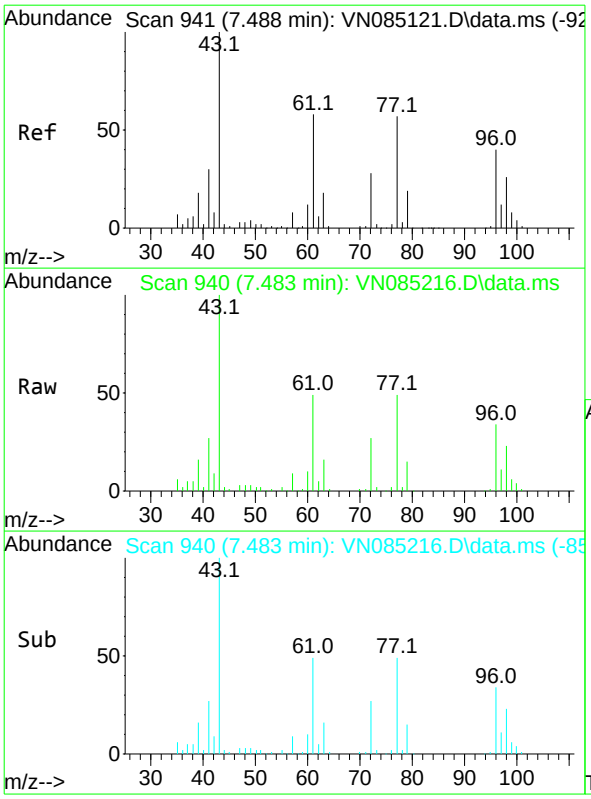


#30
2-Butanone
Concen: 104.700 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 43 Resp: 122922

Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.9	10.3
72	26.9	21.8	32.8

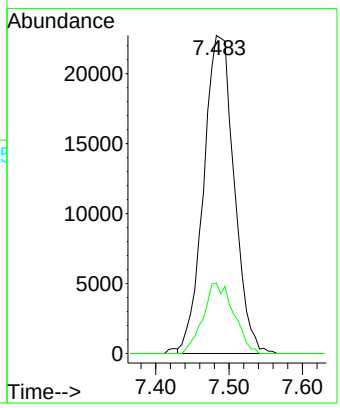




#31
2,2-Dichloropropane
Concen: 20.016 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 77 Resp: 65668

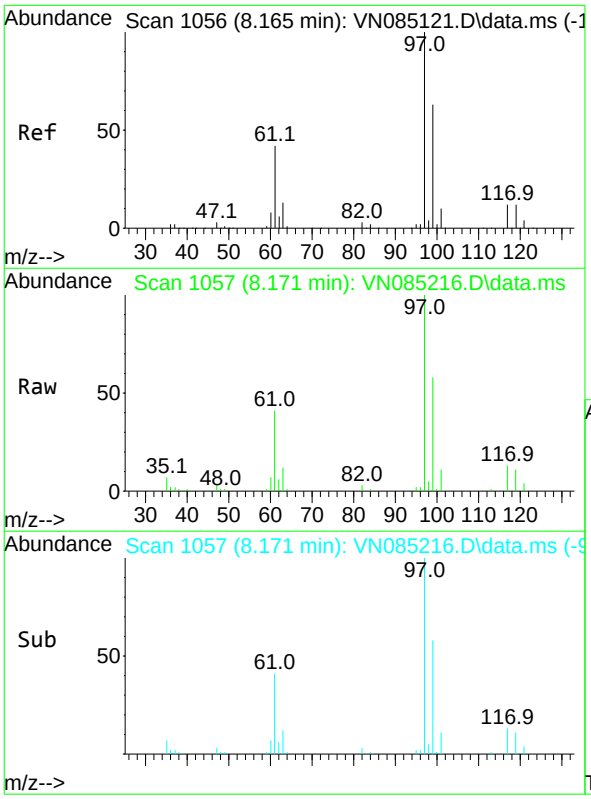
Ion	Ratio	Lower	Upper
77	100		
97	22.2	0.0	0.0#



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

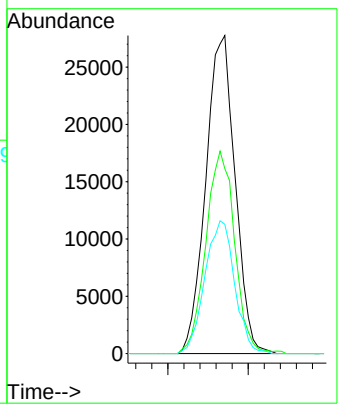
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

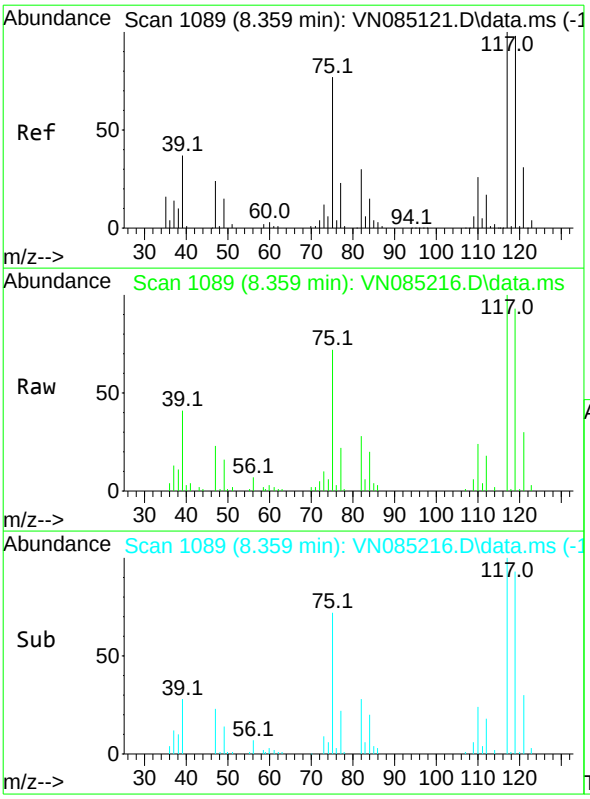


#32
1,1,1-Trichloroethane
Concen: 20.352 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 97 Resp: 70477

Ion	Ratio	Lower	Upper
97	100		
99	62.4	50.8	76.2
61	42.3	32.7	49.1

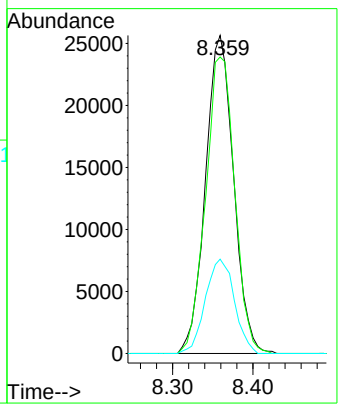




#33
Carbon Tetrachloride
Concen: 19.971 ug/l
RT: 8.359 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:117 Resp: 62403

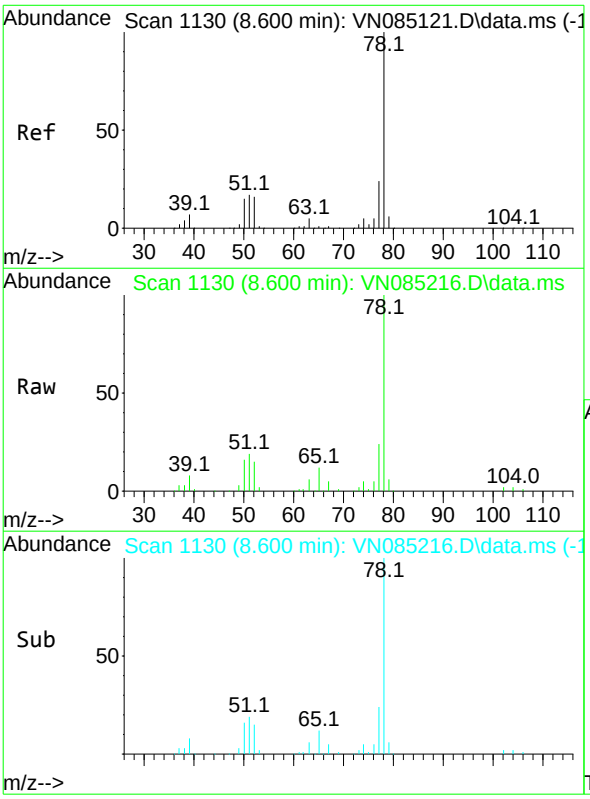
Ion	Ratio	Lower	Upper
117	100		
119	93.2	81.6	122.4
121	29.7	26.5	39.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

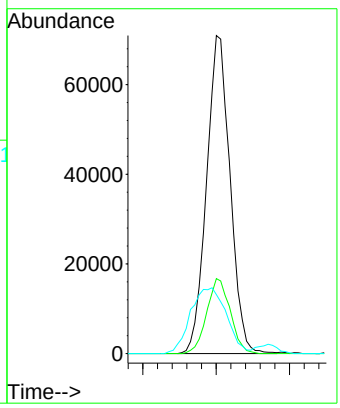
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

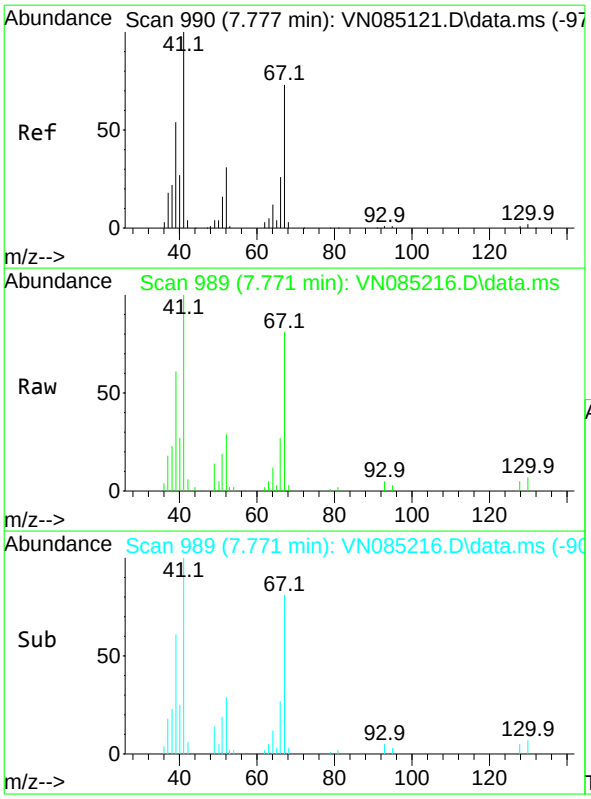


#34
Benzene
Concen: 19.668 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 78 Resp: 158070

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.0	27.0
51	16.7	12.4	18.6

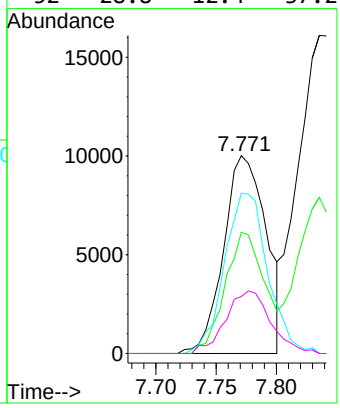




#35
Methacrylonitrile
Concen: 18.649 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 41 Resp: 24639

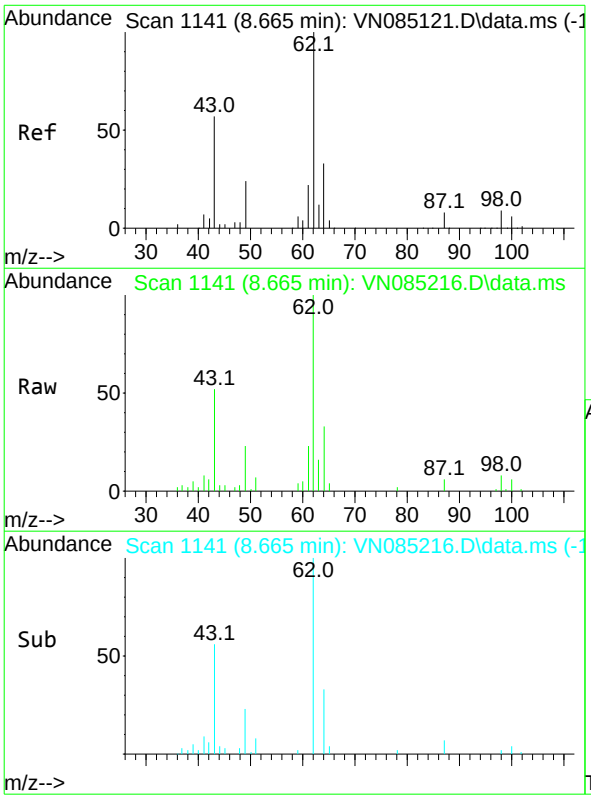
Ion	Ratio	Lower	Upper
41	100		
39	61.3	24.4	73.2
67	81.1	37.0	110.9
52	28.8	12.4	37.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

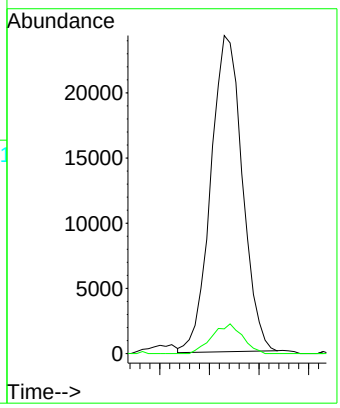
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

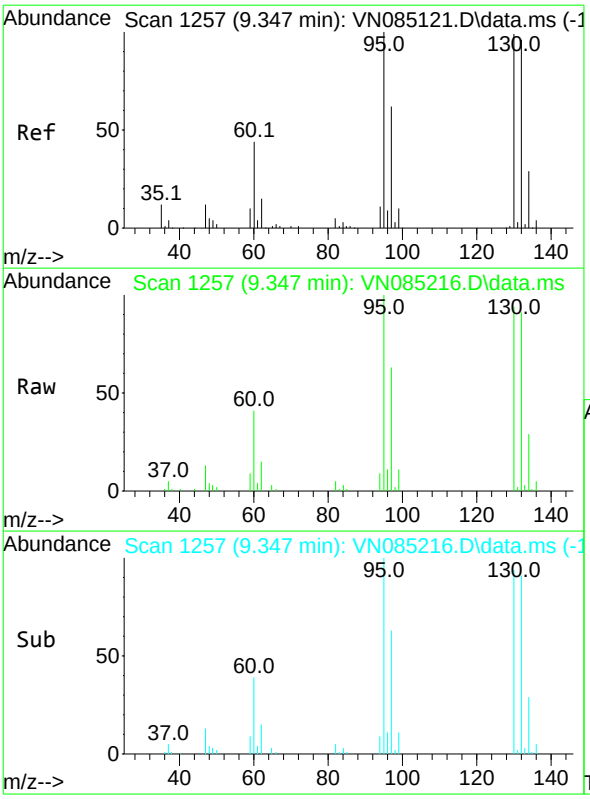


#36
1,2-Dichloroethane
Concen: 19.608 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 62 Resp: 53647

Ion	Ratio	Lower	Upper
62	100		
98	9.1	7.3	10.9

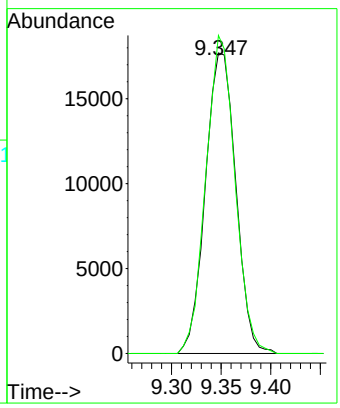




#37
Trichloroethene
Concen: 19.715 ug/l
RT: 9.347 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:130 Resp: 37732

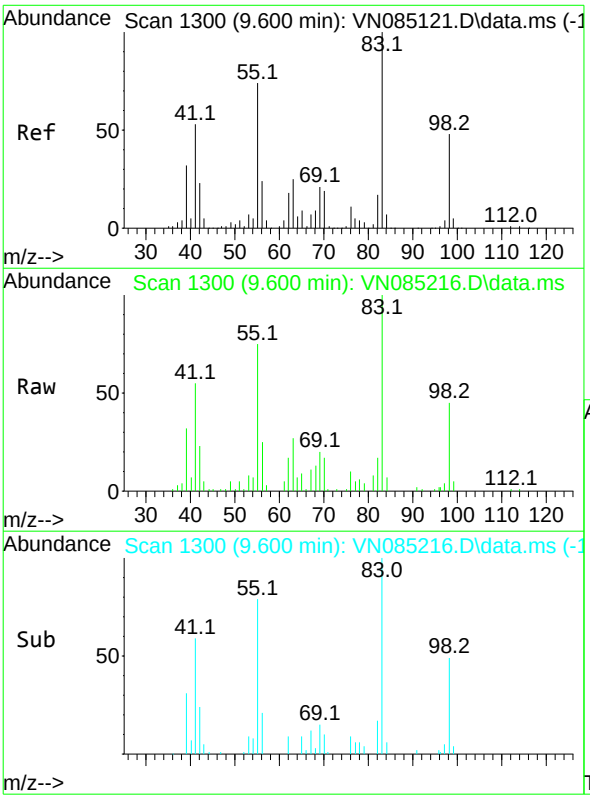
Ion	Ratio	Lower	Upper
130	100		
95	105.8	76.2	114.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

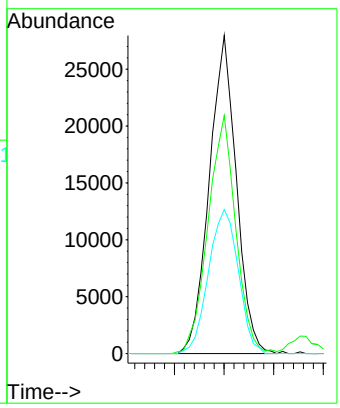
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

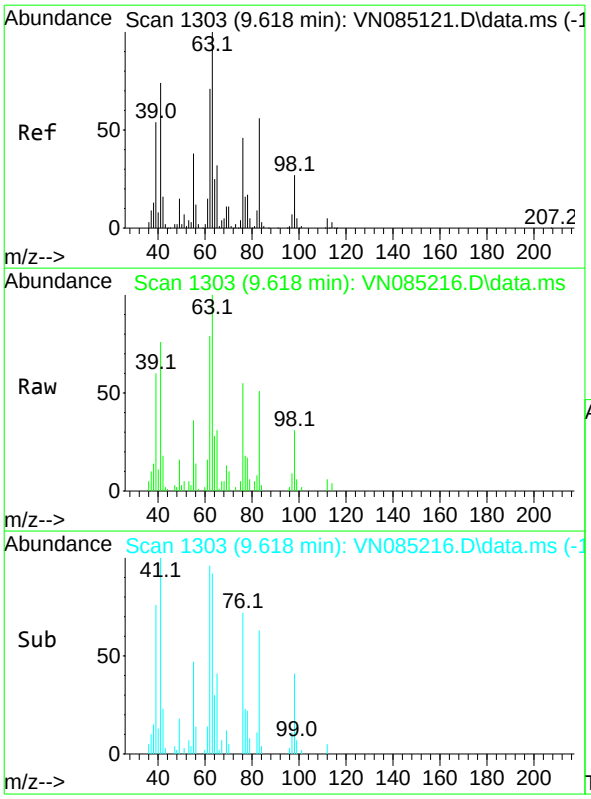


#38
Methylcyclohexane
Concen: 19.104 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 83 Resp: 53143

Ion	Ratio	Lower	Upper
83	100		
55	76.7	41.4	124.4
98	49.8	25.7	77.1

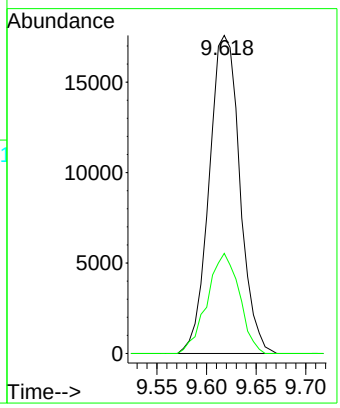




#39
1,2-Dichloropropane
Concen: 19.424 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 63 Resp: 37813

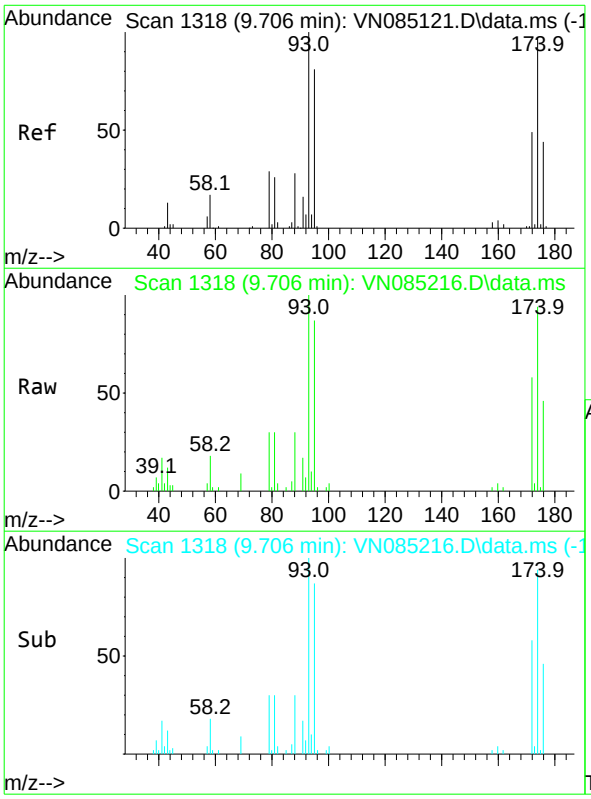
Ion	Ratio	Lower	Upper
63	100		
65	31.5	23.4	35.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

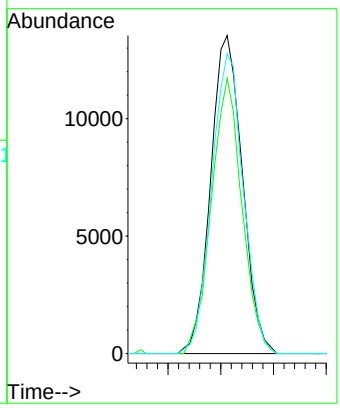
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

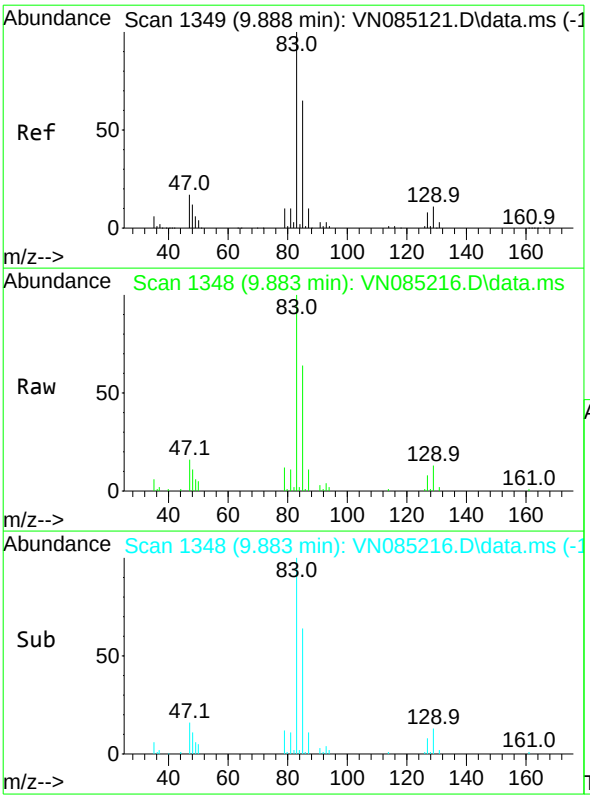


#40
Dibromomethane
Concen: 20.246 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 93 Resp: 28271

Ion	Ratio	Lower	Upper
93	100		
95	83.3	0.0	169.4
174	94.1	0.0	189.8

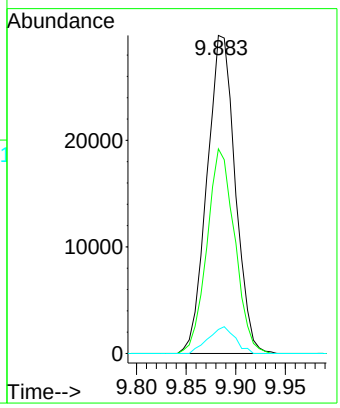




#41
Bromodichloromethane
Concen: 19.780 ug/l
RT: 9.883 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 83 Resp: 59043

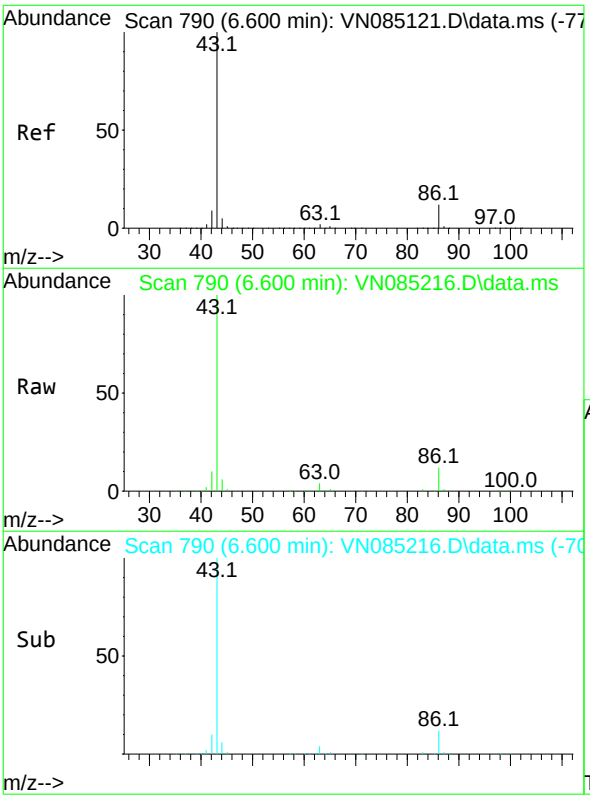
Ion	Ratio	Lower	Upper
83	100		
85	64.3	54.6	81.8
127	7.5	7.0	10.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

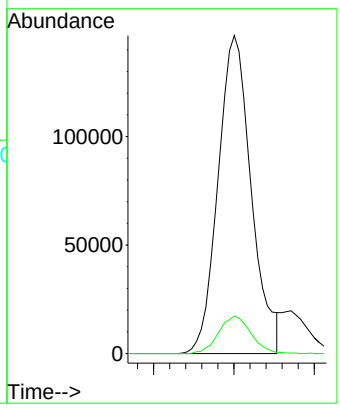
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

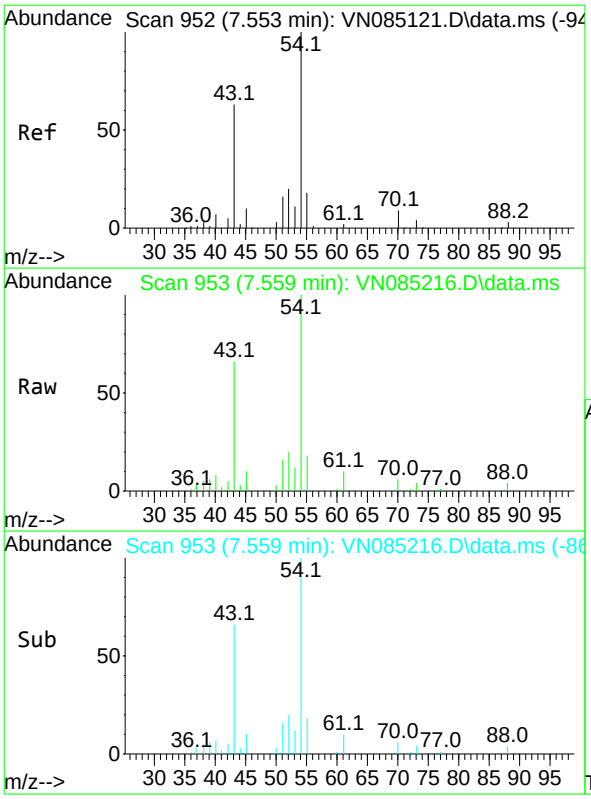


#42
Vinyl Acetate
Concen: 102.535 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 43 Resp: 421239

Ion	Ratio	Lower	Upper
43	100		
86	11.5	9.2	13.8

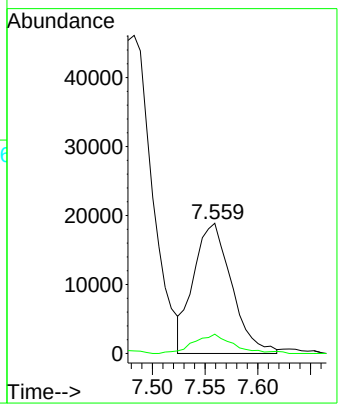




#43
Ethyl Acetate
Concen: 20.300 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 43 Resp: 47420

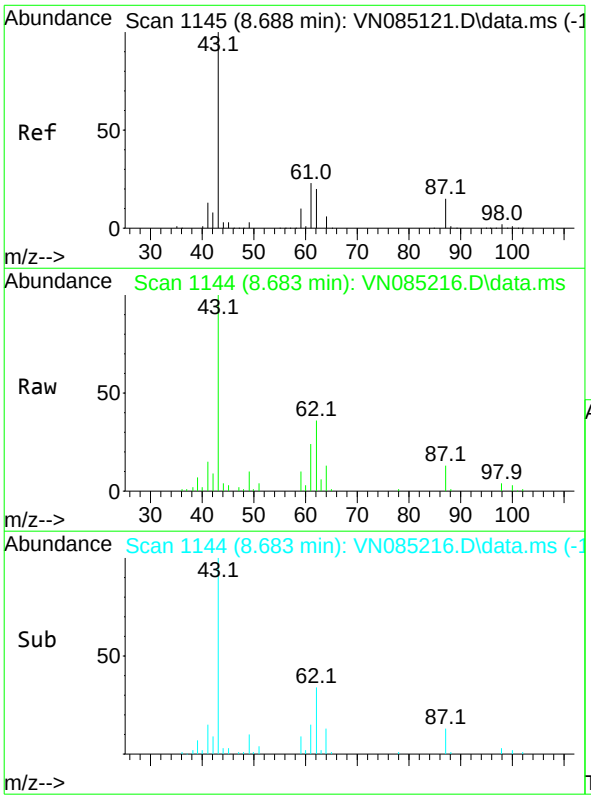
Ion	Ratio	Lower	Upper
43	100		
45	14.9	13.3	19.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

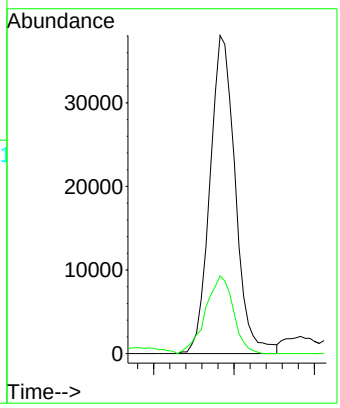
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

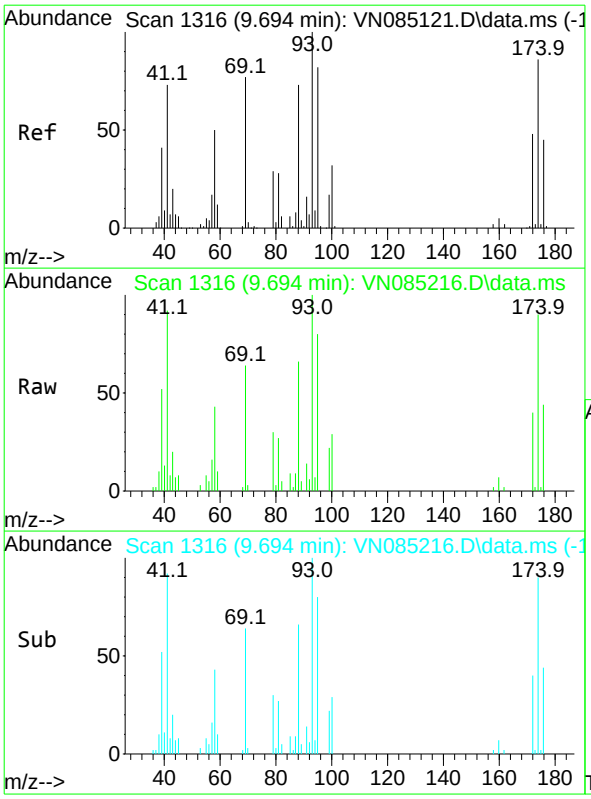


#44
Isopropyl Acetate
Concen: 20.553 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 43 Resp: 83434

Ion	Ratio	Lower	Upper
43	100		
61	26.7	21.5	32.3

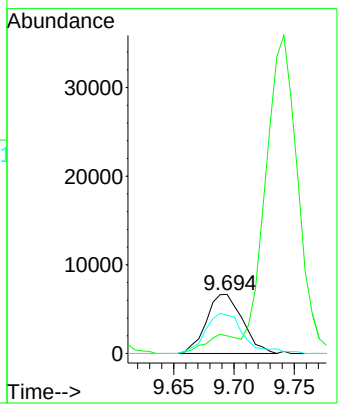




#45
1,4-Dioxane
Concen: 410.991 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 88 Resp: 13913

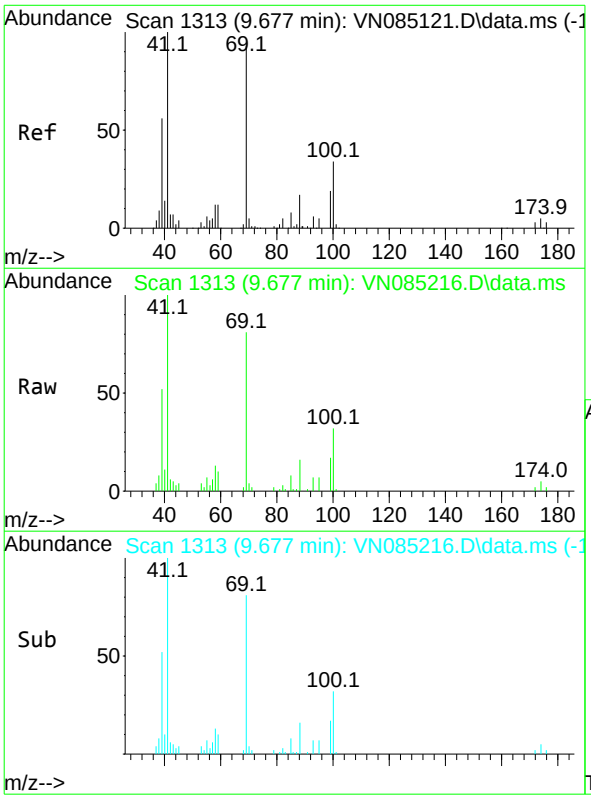
Ion	Ratio	Lower	Upper
88	100		
43	30.1	21.7	32.5
58	68.9	52.6	79.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

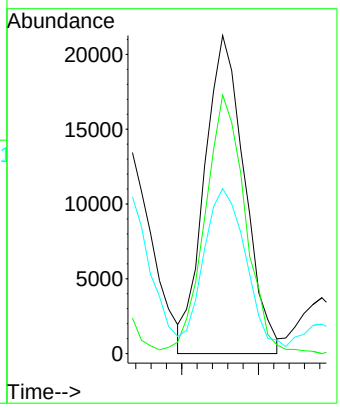
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

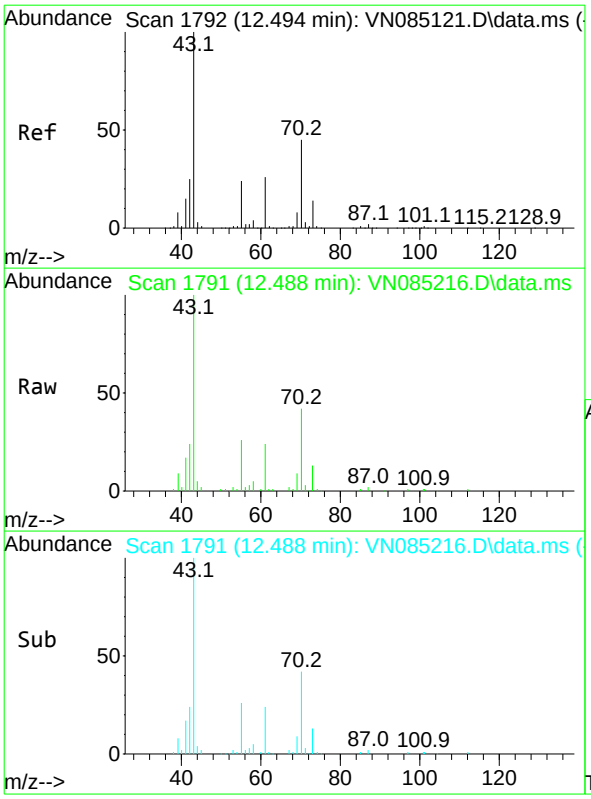


#46
Methyl methacrylate
Concen: 20.757 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 41 Resp: 38564

Ion	Ratio	Lower	Upper
41	100		
69	82.4	46.7	140.0
39	49.9	28.5	85.5

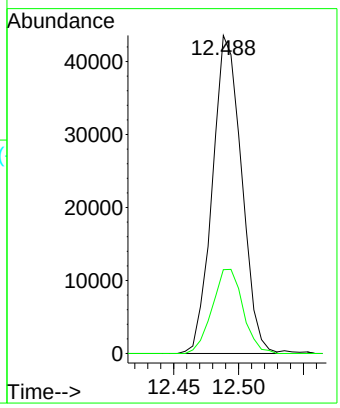




#47
n-amyl Acetate
Concen: 19.928 ug/l
RT: 12.488 min Scan# 17
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 43 Resp: 68064

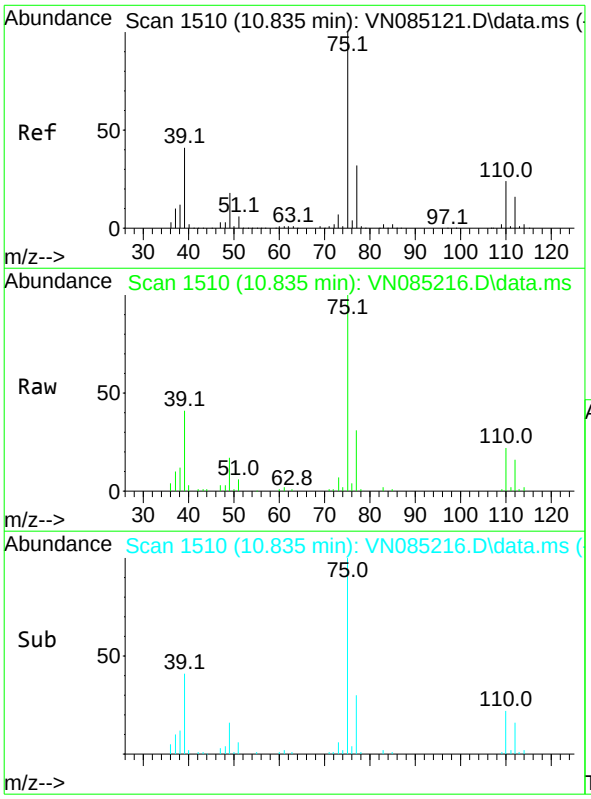
Ion	Ratio	Lower	Upper
43	100		
55	27.8	23.3	34.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

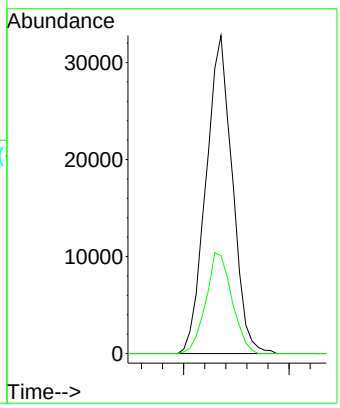
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

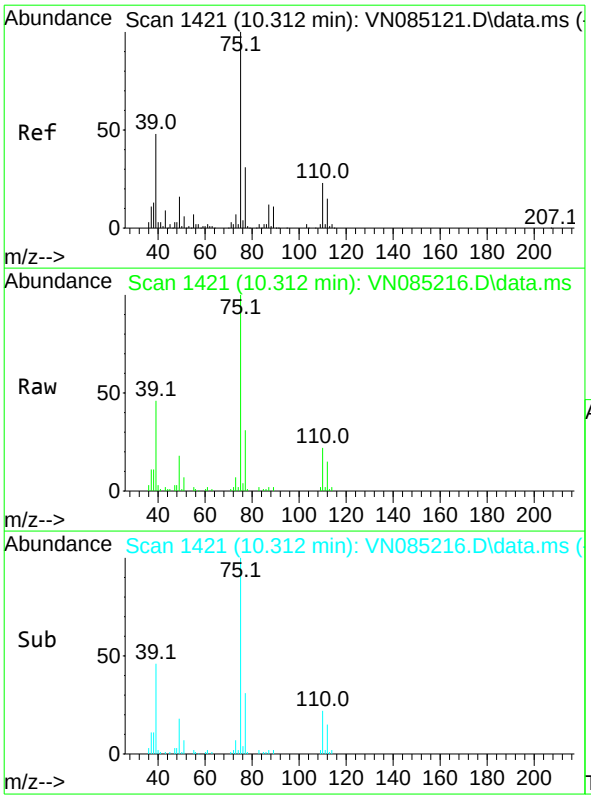


#48
t-1,3-Dichloropropene
Concen: 19.447 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 75 Resp: 56984

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.5	38.3

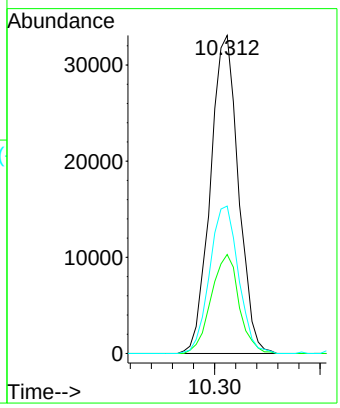




#49
cis-1,3-Dichloropropene
Concen: 19.185 ug/l
RT: 10.312 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 75 Resp: 61200

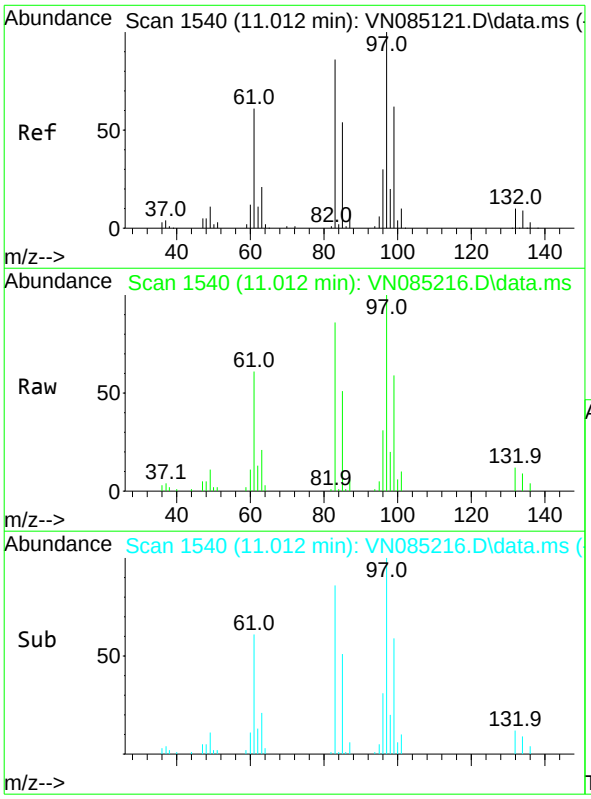
Ion	Ratio	Lower	Upper
75	100		
77	31.1	23.8	35.6
39	46.4	37.3	55.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

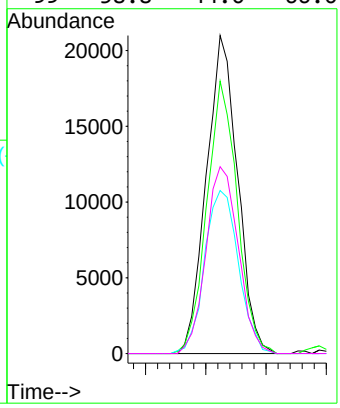
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

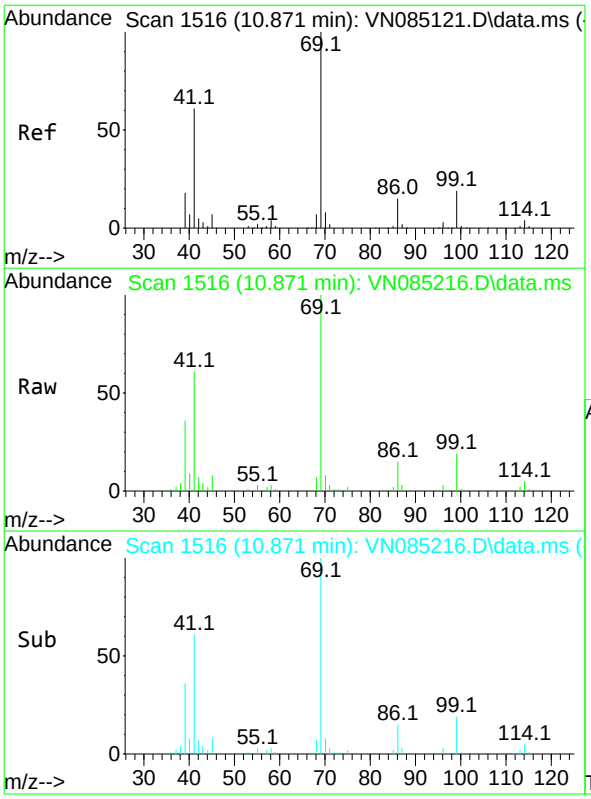


#50
1,1,2-Trichloroethane
Concen: 20.106 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 97 Resp: 37831

Ion	Ratio	Lower	Upper
97	100		
83	85.7	65.8	98.8
85	51.3	40.8	61.2
99	58.8	44.0	66.0

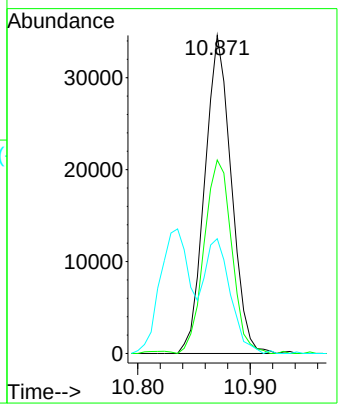




#51
Ethyl methacrylate
Concen: 19.790 ug/l
RT: 10.871 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 69 Resp: 56637

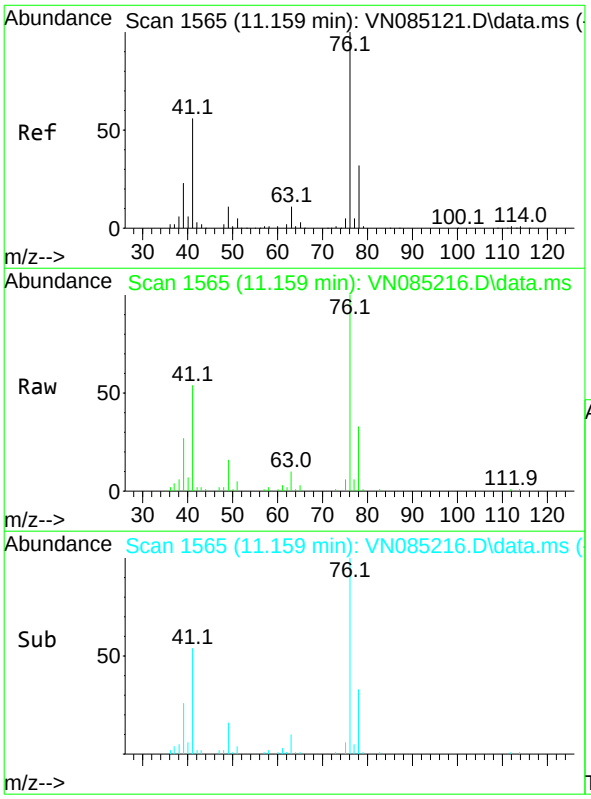
Ion	Ratio	Lower	Upper
69	100		
41	60.8	32.1	96.3
39	36.1	18.8	56.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

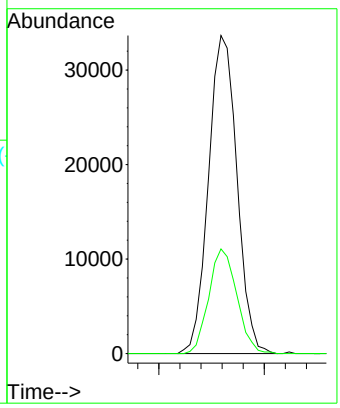
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

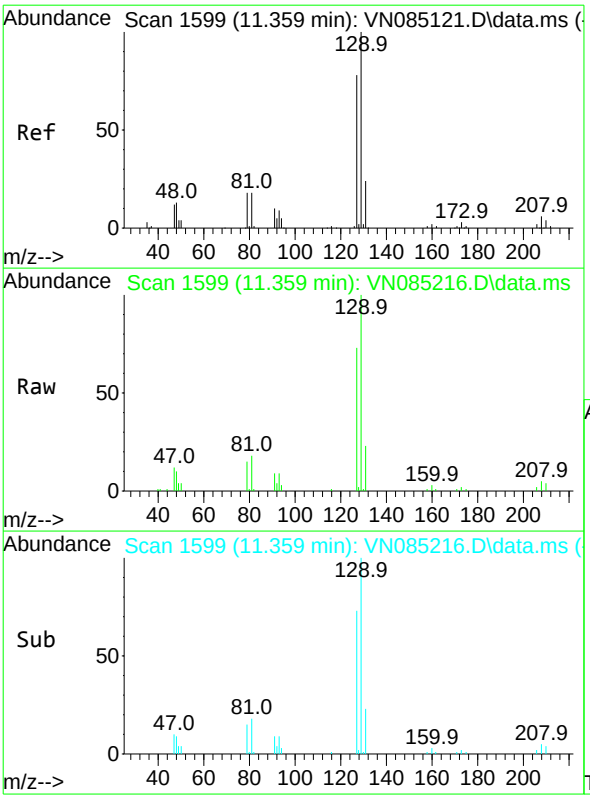


#52
1,3-Dichloropropane
Concen: 20.068 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 76 Resp: 63193

Ion	Ratio	Lower	Upper
76	100		
78	32.4	0.0	65.6

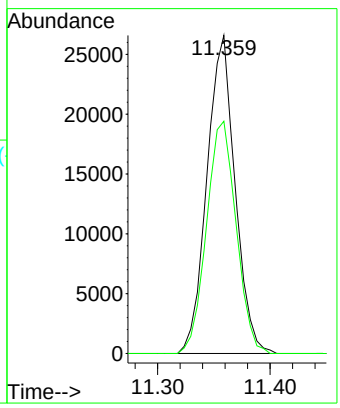




#53
Dibromochloromethane
Concen: 20.142 ug/l
RT: 11.359 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:129 Resp: 46186

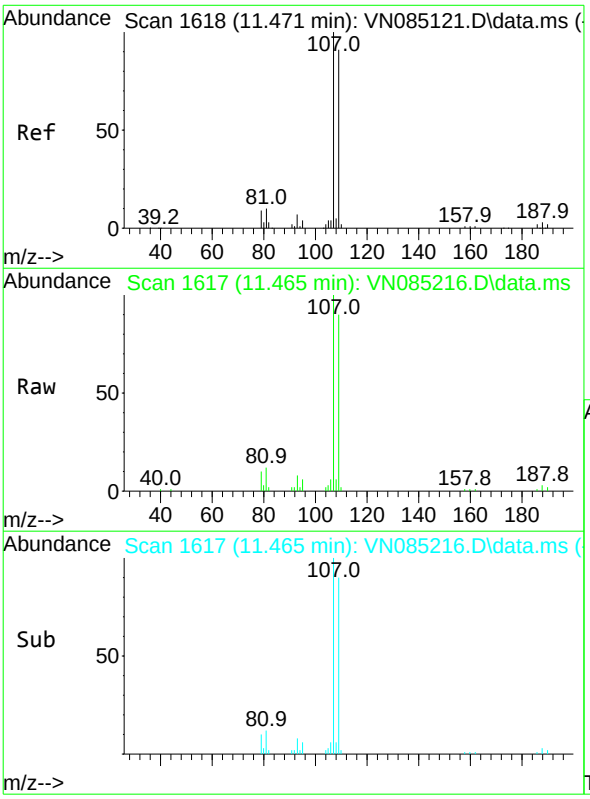
Ion	Ratio	Lower	Upper
129	100		
127	76.9	37.3	111.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

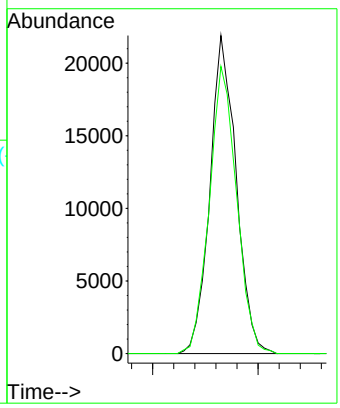
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

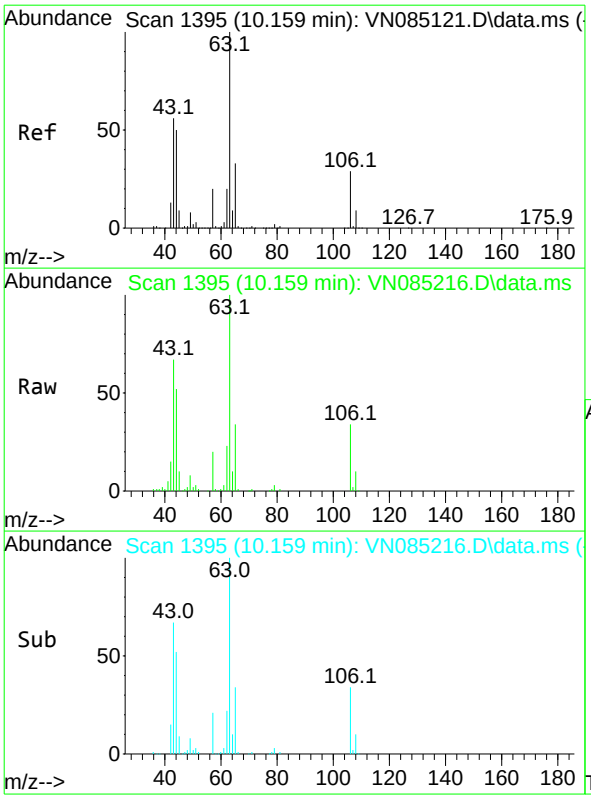


#54
1,2-Dibromoethane
Concen: 19.998 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:107 Resp: 37912

Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.2	112.8

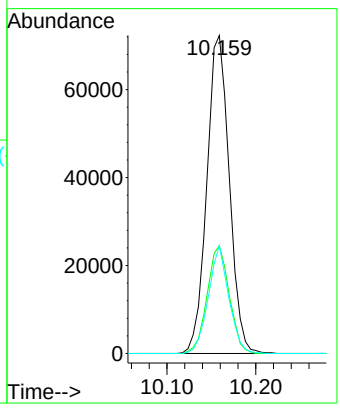




#55
2-Chloroethyl vinyl ether
Concen: 95.632 ug/l
RT: 10.159 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 63 Resp: 127137

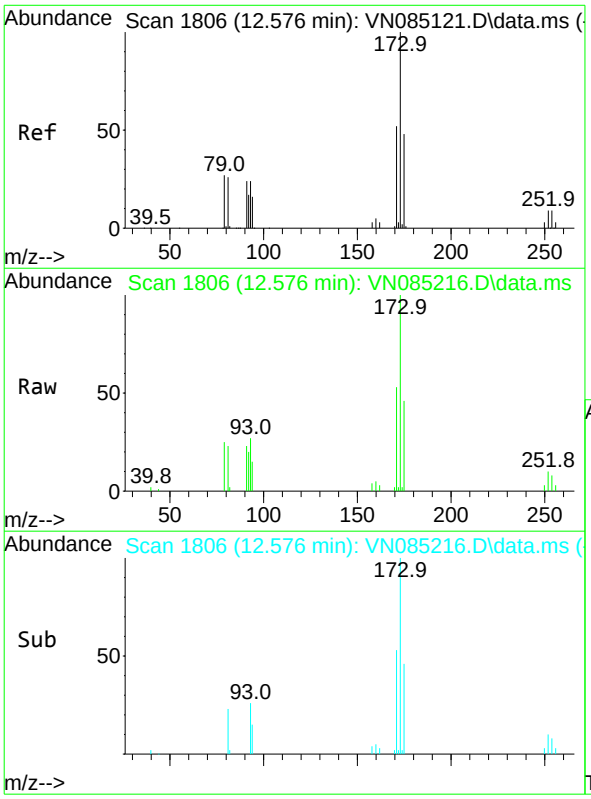
Ion	Ratio	Lower	Upper
63	100		
65	33.3	25.9	38.9
106	30.8	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

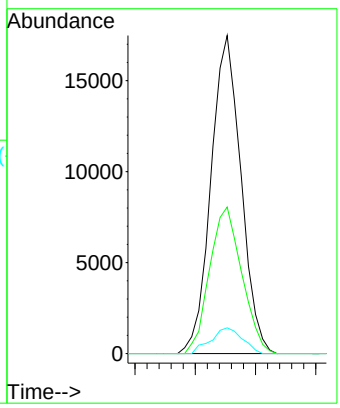
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

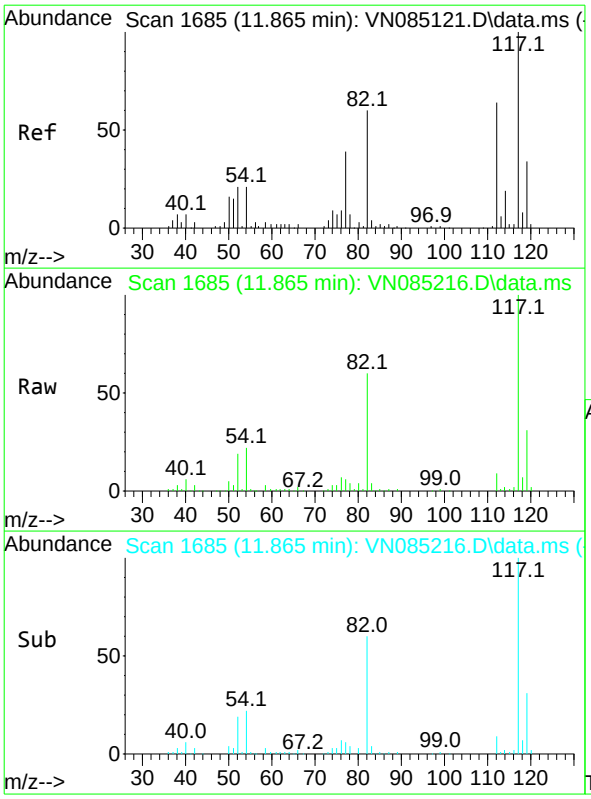


#56
Bromoform
Concen: 19.663 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:173 Resp: 30230

Ion	Ratio	Lower	Upper
173	100		
175	49.5	40.2	60.2
254	8.5	6.2	9.4

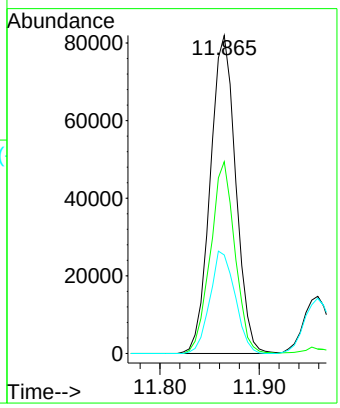




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:117 Resp: 146162

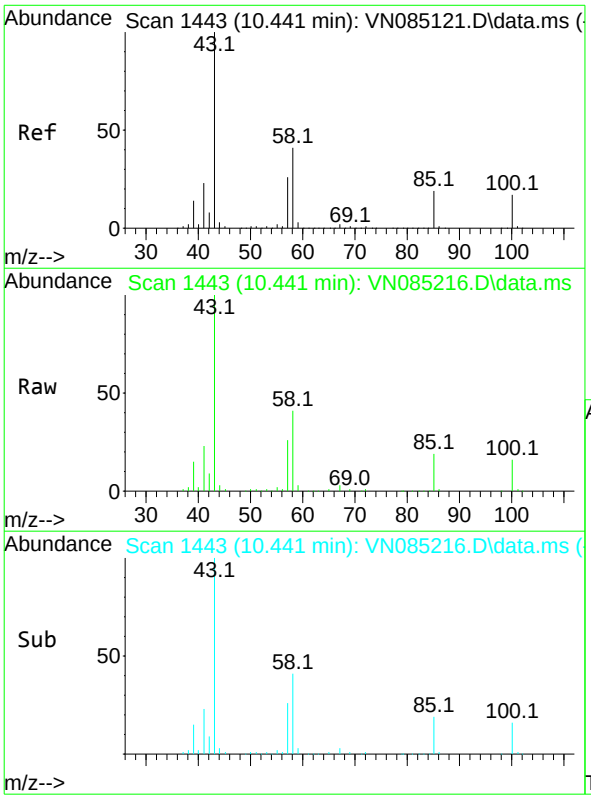
Ion	Ratio	Lower	Upper
117	100		
82	57.9	44.2	66.4
119	31.7	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

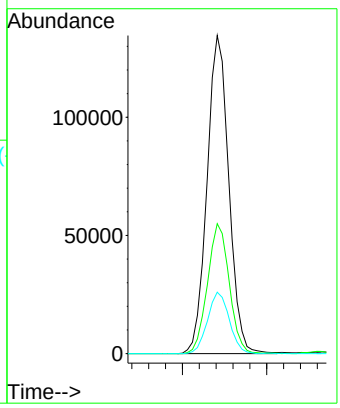
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

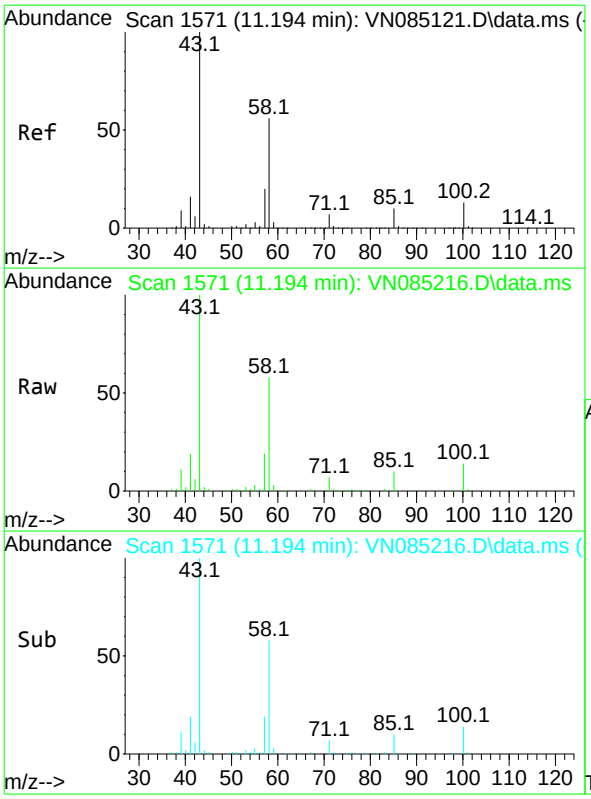


#58
4-Methyl-2-Pentanone
Concen: 101.359 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 43 Resp: 241784

Ion	Ratio	Lower	Upper
43	100		
58	40.7	31.6	47.4
85	19.2	15.0	22.6

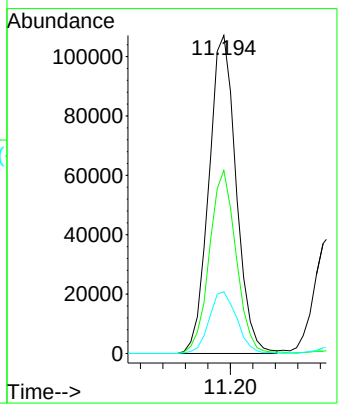




#59
2-Hexanone
Concen: 99.918 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 43 Resp: 180597

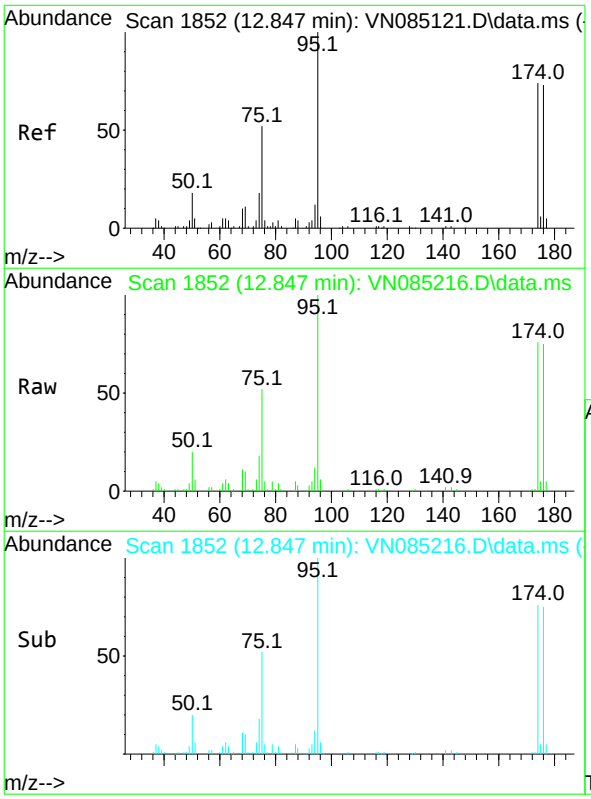
Ion	Ratio	Lower	Upper
43	100		
58	56.1	43.6	65.4
57	19.7	15.4	23.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

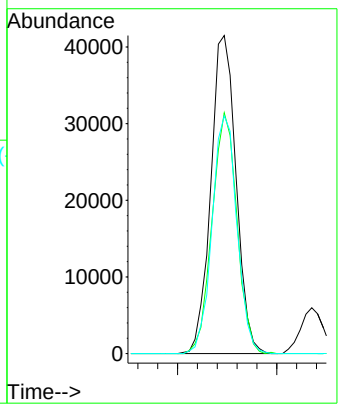
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

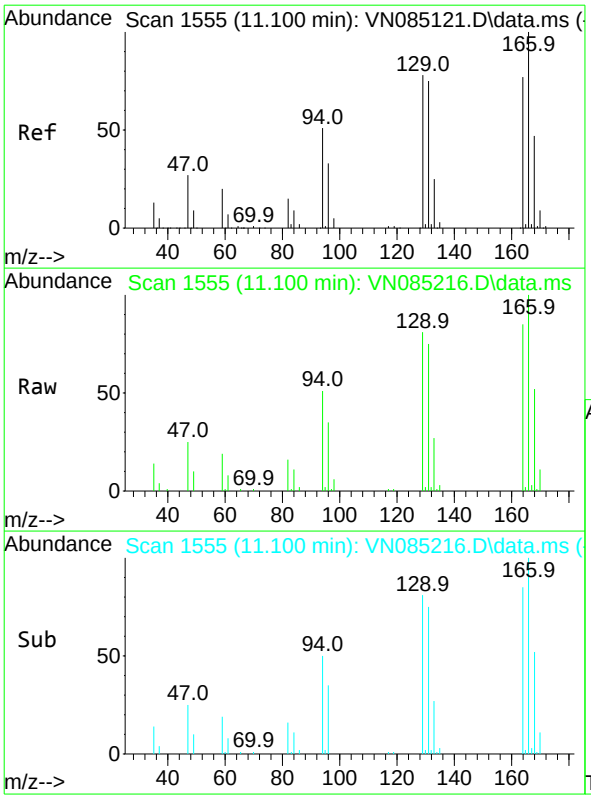


#60
4-Bromofluorobenzene
Concen: 30.335 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 95 Resp: 73363

Ion	Ratio	Lower	Upper
95	100		
174	74.4	60.3	90.5
176	73.4	57.4	86.0

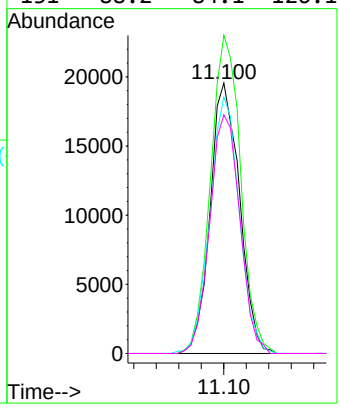




#61
Tetrachloroethene
Concen: 20.047 ug/l
RT: 11.100 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:164 Resp: 35484

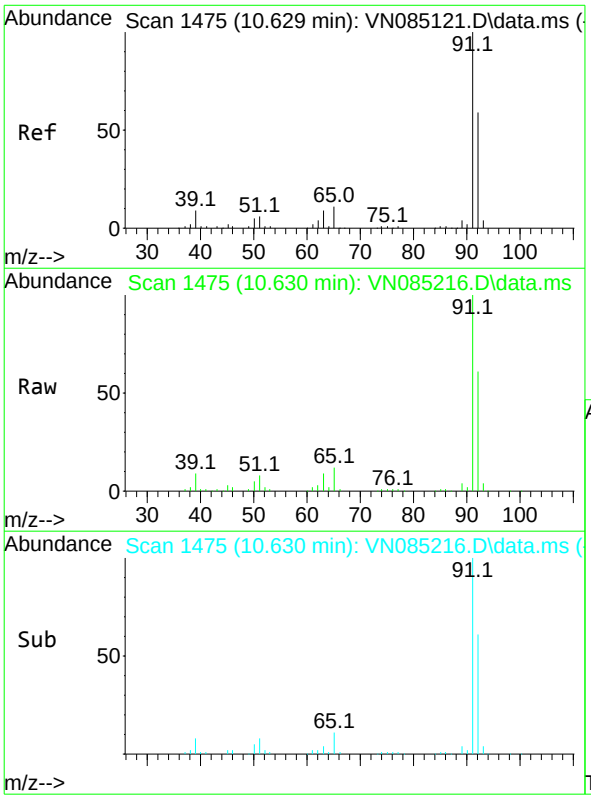
Ion	Ratio	Lower	Upper
164	100		
166	117.6	103.8	155.8
129	94.8	84.2	126.4
131	88.2	84.1	126.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

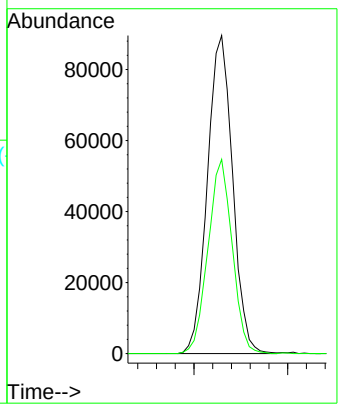
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

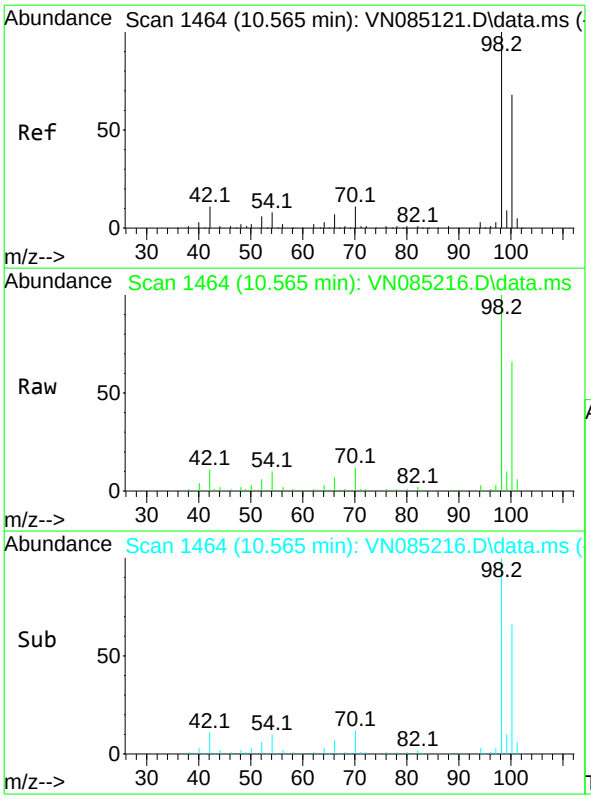


#62
Toluene
Concen: 19.603 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 91 Resp: 167102

Ion	Ratio	Lower	Upper
91	100		
92	58.7	46.5	69.7

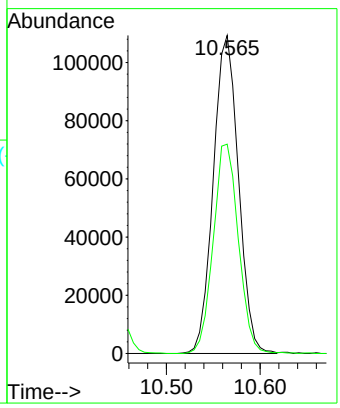




#63
Toluene-d8
Concen: 29.742 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 98 Resp: 203918

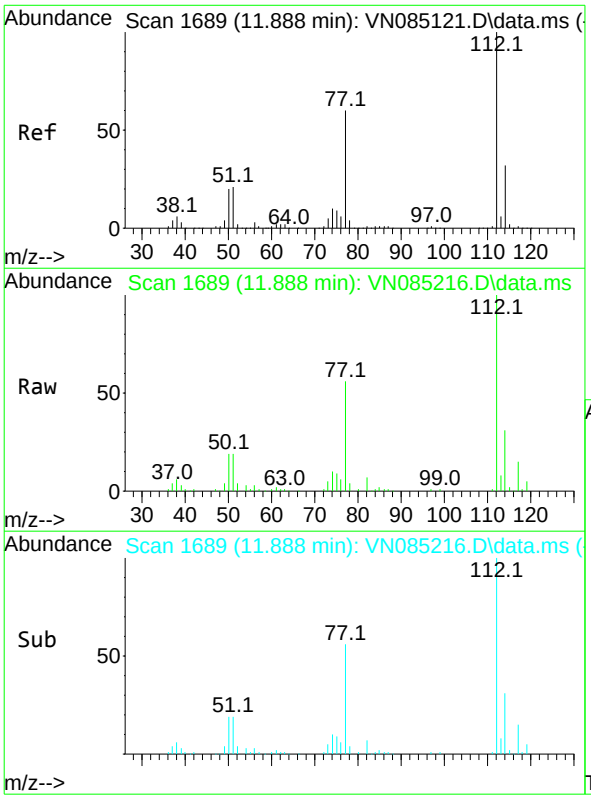
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.0	78.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

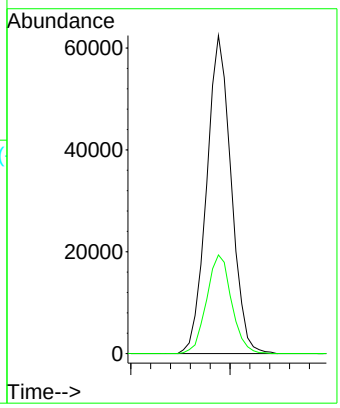
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

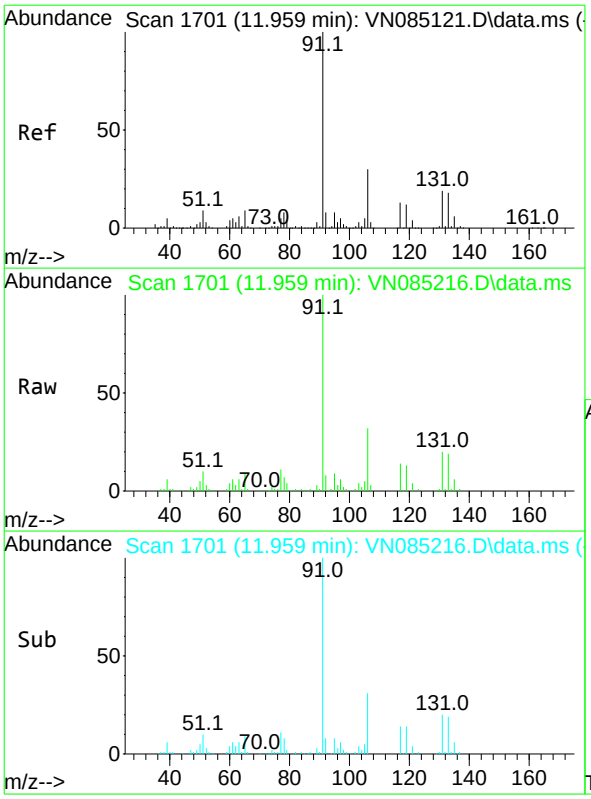


#64
Chlorobenzene
Concen: 20.374 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:112 Resp: 107226

Ion	Ratio	Lower	Upper
112	100		
114	31.0	26.0	39.0

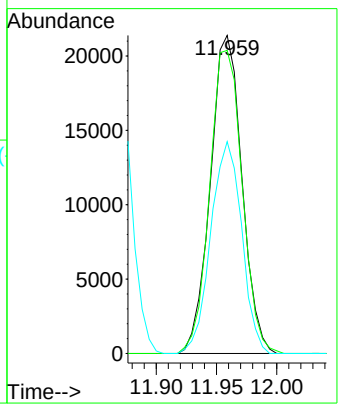




#65
1,1,1,2-Tetrachloroethane
Concen: 19.821 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:131 Resp: 38942

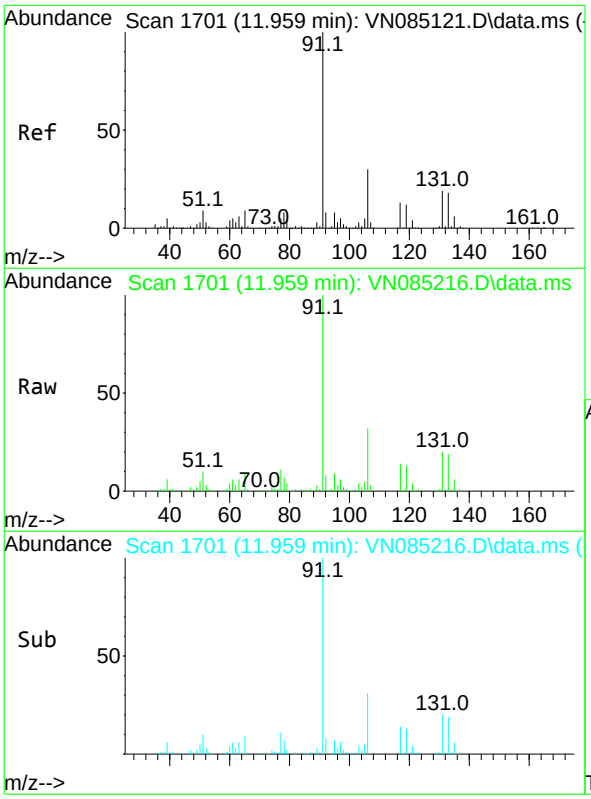
Ion	Ratio	Lower	Upper
131	100		
133	98.1	0.0	194.0
119	65.3	0.0	131.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

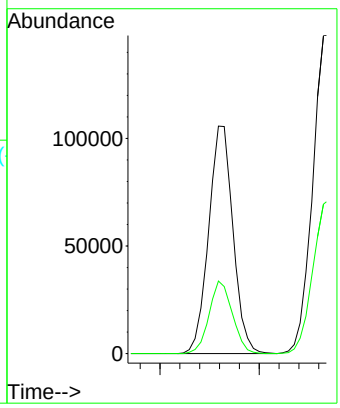
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

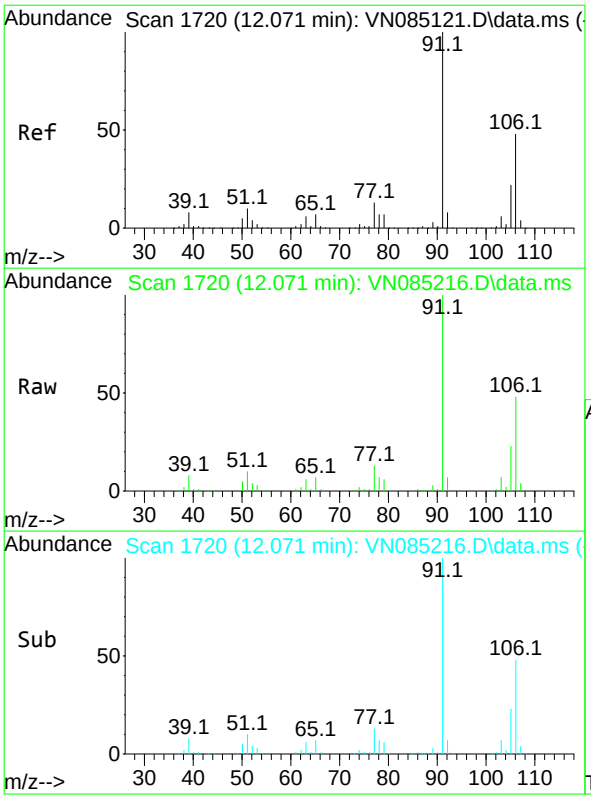


#66
Ethyl Benzene
Concen: 19.992 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 91 Resp: 180830

Ion	Ratio	Lower	Upper
91	100		
106	31.9	23.1	34.7

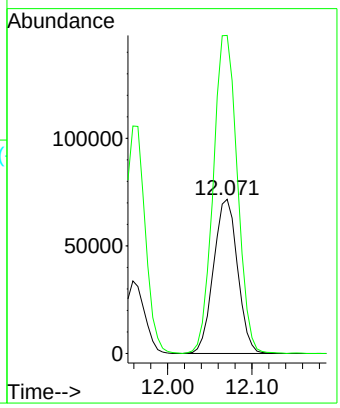




#67
m/p-Xylenes
Concen: 40.773 ug/l
RT: 12.071 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:106 Resp: 141848

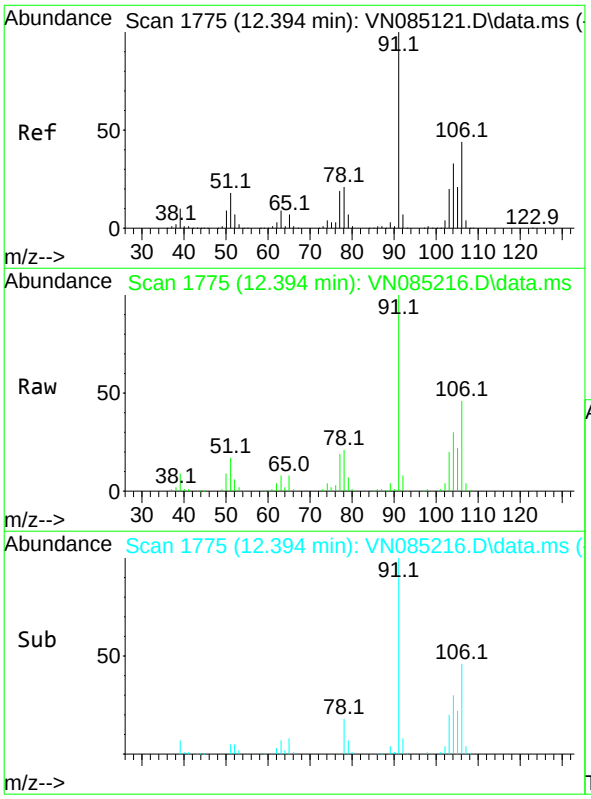
Ion	Ratio	Lower	Upper
106	100		
91	207.4	165.0	247.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

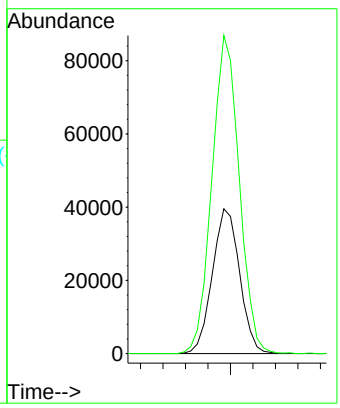
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

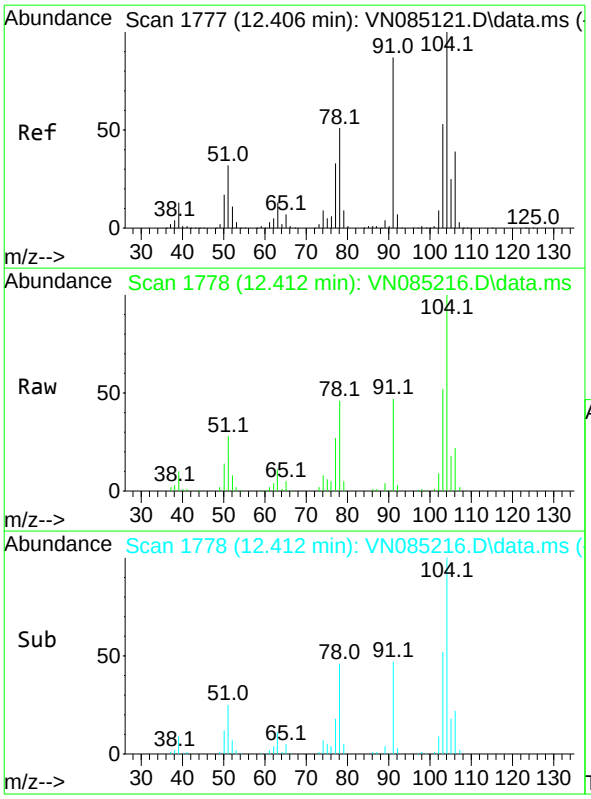


#68
o-Xylene
Concen: 20.398 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:106 Resp: 66647

Ion	Ratio	Lower	Upper
106	100		
91	220.1	112.1	336.4

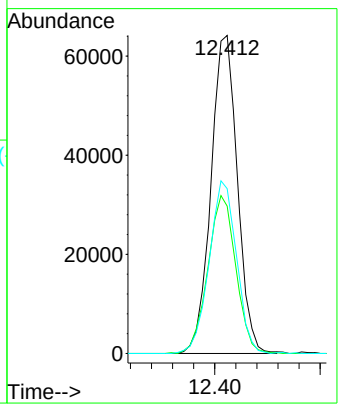




#69
Styrene
Concen: 20.189 ug/l
RT: 12.412 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:104 Resp: 111932

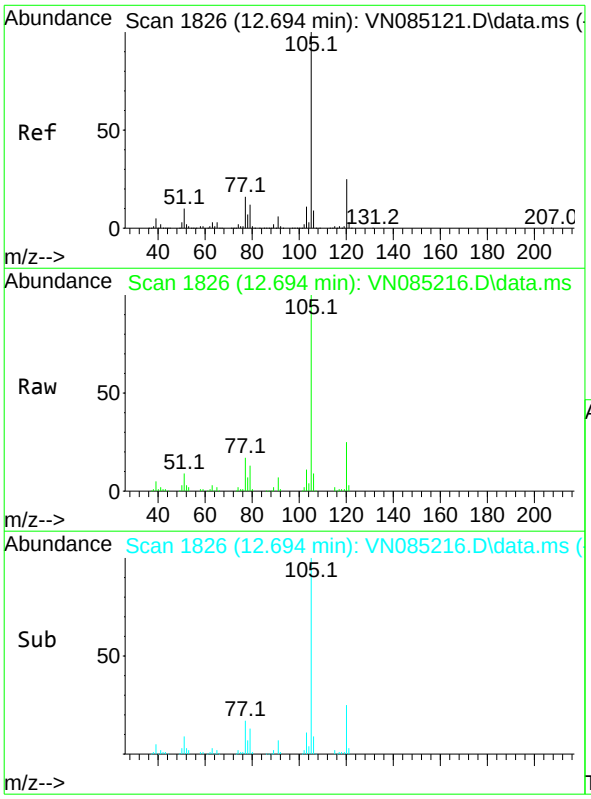
Ion	Ratio	Lower	Upper
104	100		
78	52.4	42.3	63.5
103	56.0	44.4	66.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

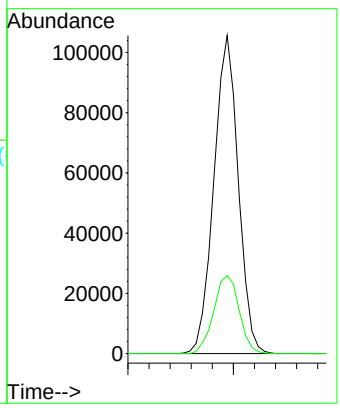
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

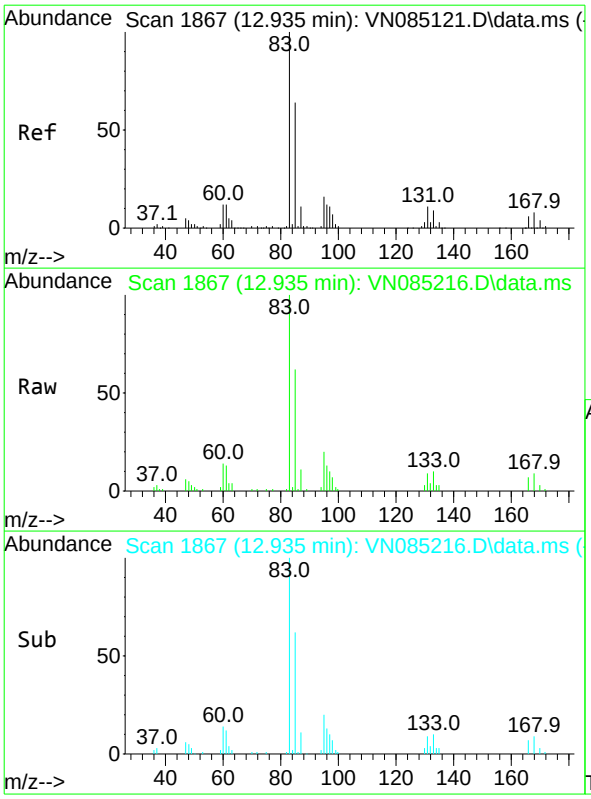


#70
Isopropylbenzene
Concen: 20.146 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:105 Resp: 169768

Ion	Ratio	Lower	Upper
105	100		
120	25.6	18.3	33.9

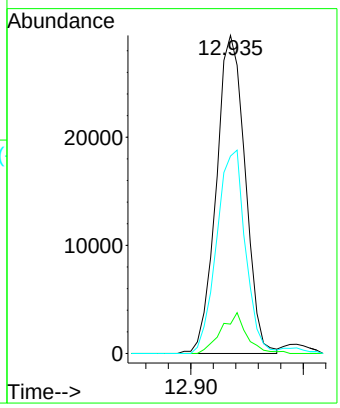




#71
1,1,2,2-Tetrachloroethane
Concen: 20.416 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 83 Resp: 52367

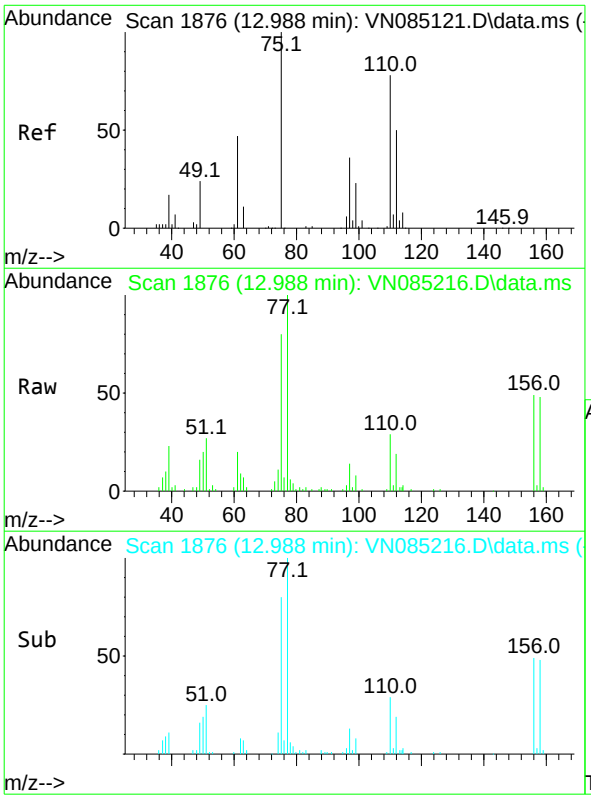
Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.1	15.3
85	63.6	31.1	93.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

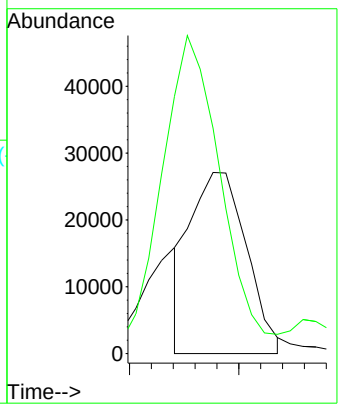
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

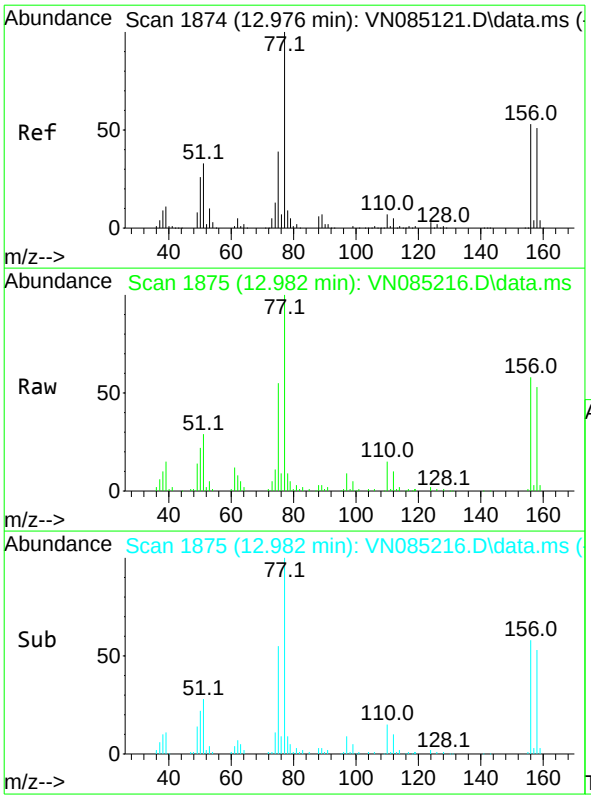


#72
1,2,3-Trichloropropane
Concen: 19.108 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 75 Resp: 48416

Ion	Ratio	Lower	Upper
75	100		
77	188.0	0.0	339.0

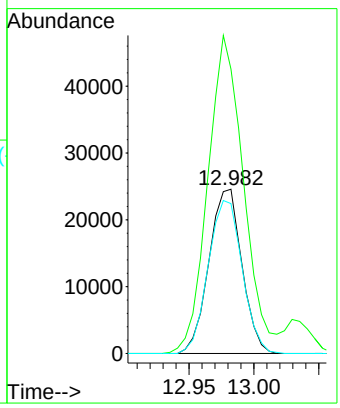




#73
Bromobenzene
Concen: 20.542 ug/l
RT: 12.982 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:156 Resp: 43360

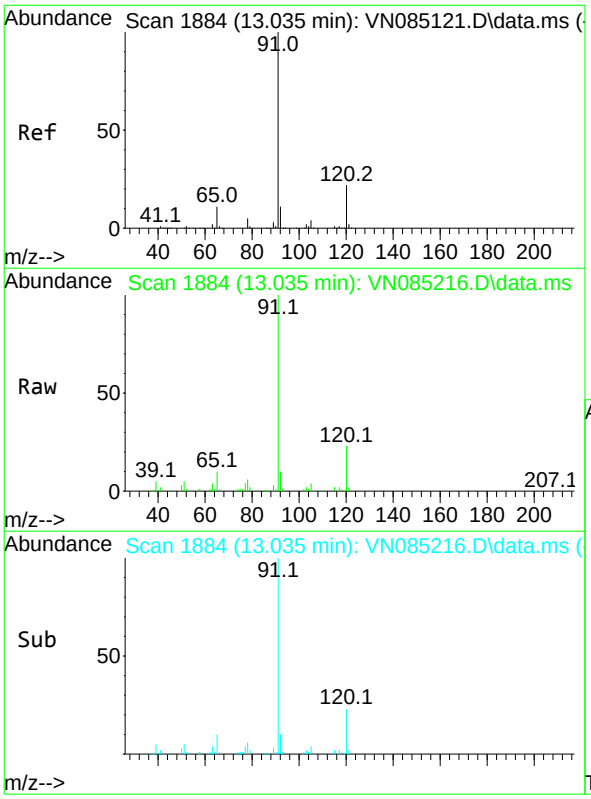
Ion	Ratio	Lower	Upper
156	100		
77	210.0	0.0	430.4
158	96.3	0.0	195.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

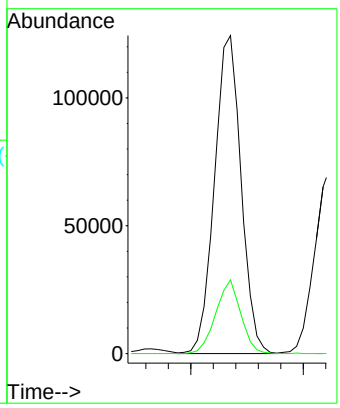
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

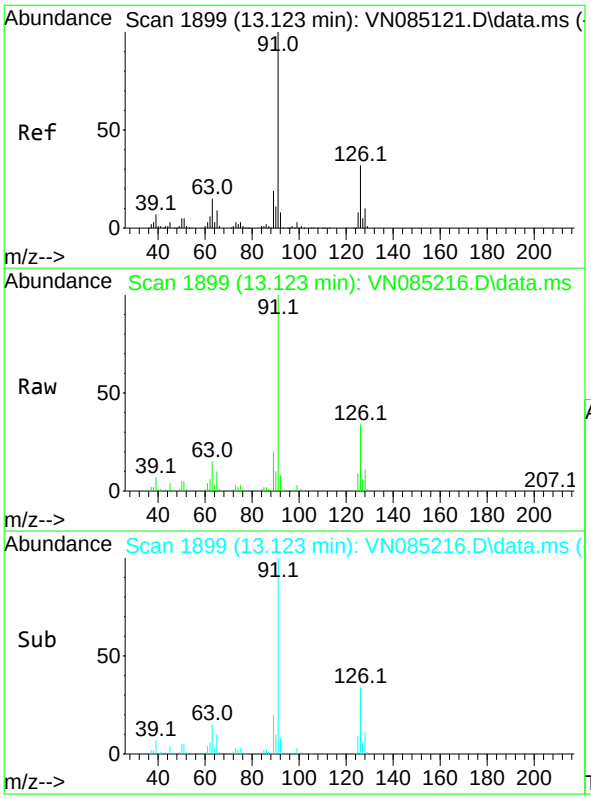


#74
n-propylbenzene
Concen: 20.162 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 91 Resp: 204268

Ion	Ratio	Lower	Upper
91	100		
120	21.7	0.0	44.0

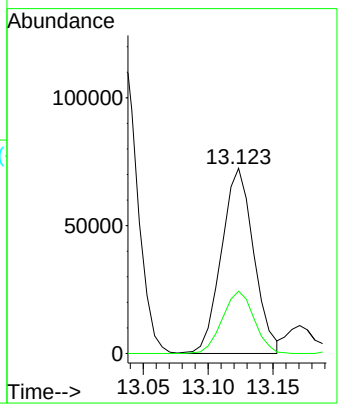




#75
2-Chlorotoluene
Concen: 20.066 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 91 Resp: 125691

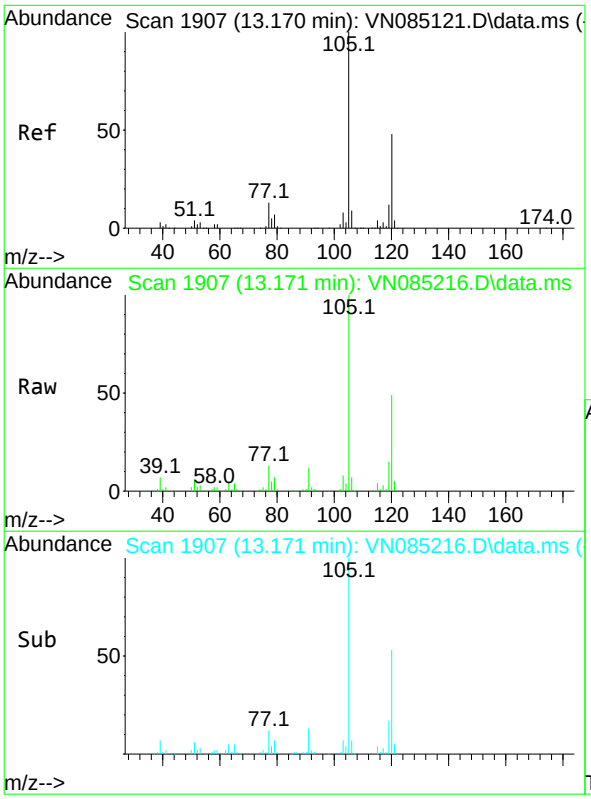
Ion	Ratio	Lower	Upper
91	100		
126	33.0	0.0	64.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

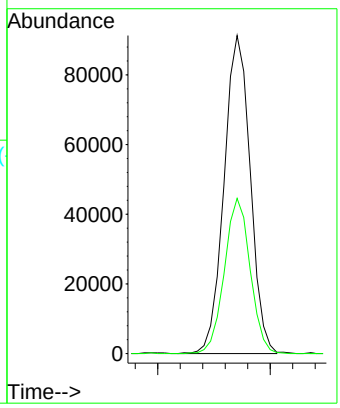
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

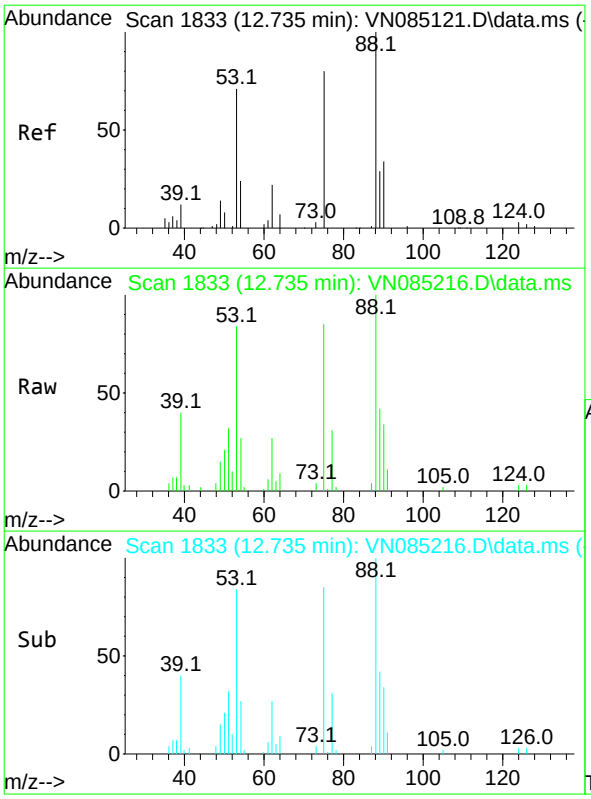


#76
1,3,5-Trimethylbenzene
Concen: 20.451 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:105 Resp: 147652

Ion	Ratio	Lower	Upper
105	100		
120	47.9	0.0	94.4

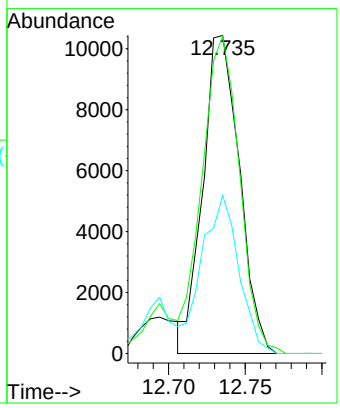




#77
t-1,4-Dichloro-2-butene
Concen: 18.797 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 75 Resp: 17306

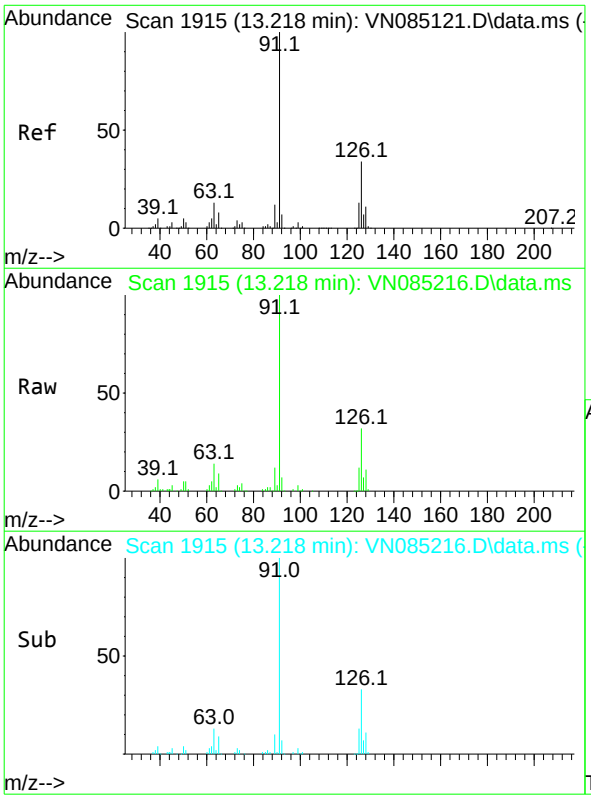
Ion	Ratio	Lower	Upper
75	100		
53	98.0	49.1	147.3
89	49.6	22.9	68.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

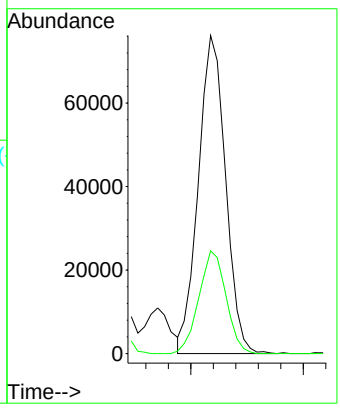
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

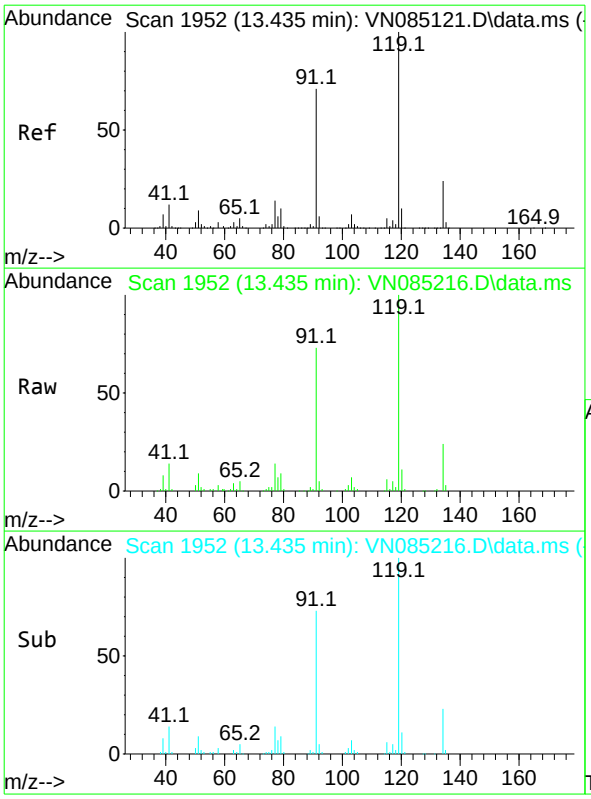


#78
4-Chlorotoluene
Concen: 20.129 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 91 Resp: 127980

Ion	Ratio	Lower	Upper
91	100		
126	32.2	0.0	64.4

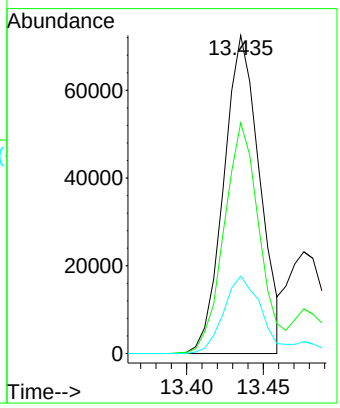




#79
tert-butylbenzene
Concen: 19.923 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:119 Resp: 118141

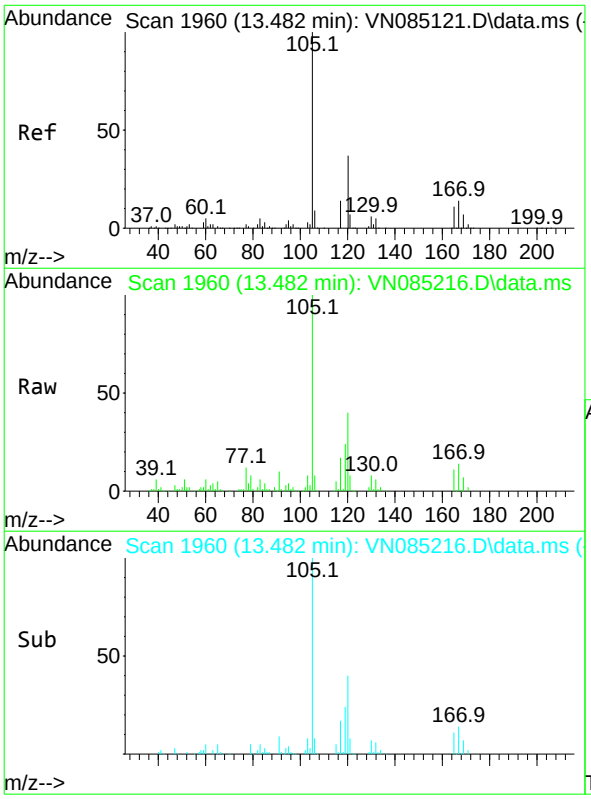
Ion	Ratio	Lower	Upper
119	100		
91	71.4	0.0	139.2
134	25.1	0.0	48.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

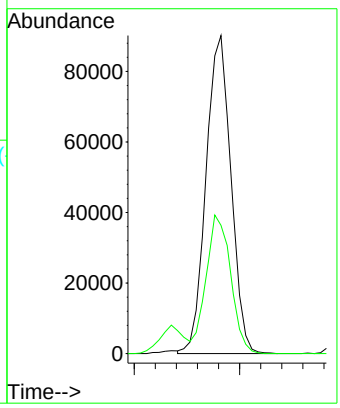
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

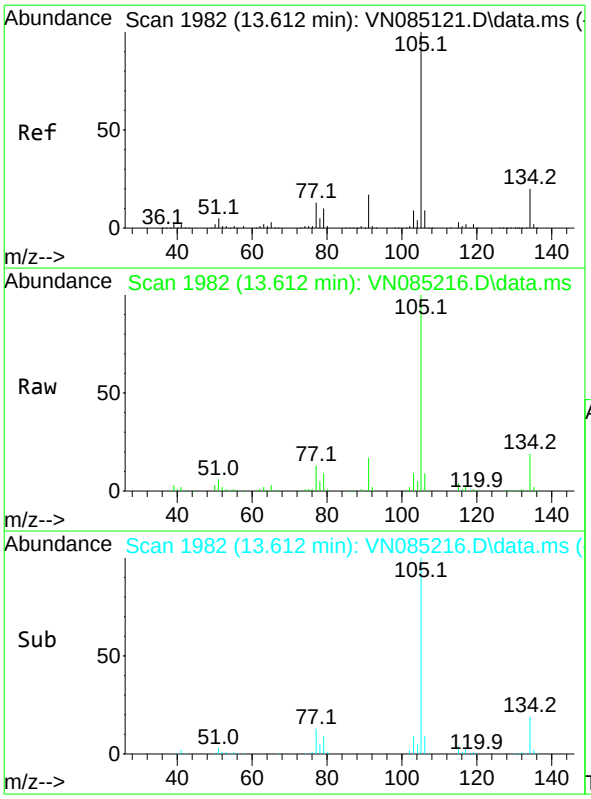


#80
1,2,4-Trimethylbenzene
Concen: 20.790 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:105 Resp: 148267

Ion	Ratio	Lower	Upper
105	100		
120	43.0	0.0	87.4

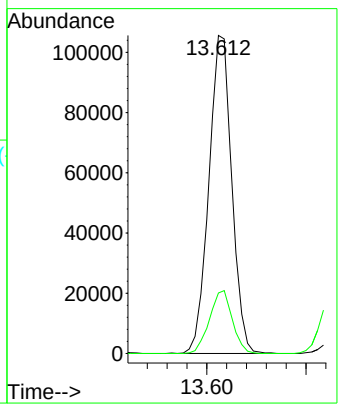




#81
sec-Butylbenzene
Concen: 20.111 ug/l
RT: 13.612 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:105 Resp: 169428

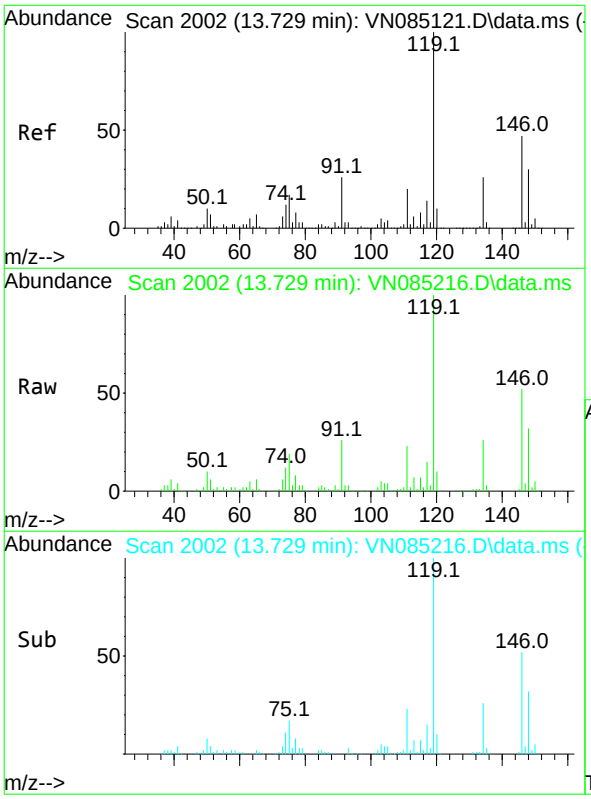
Ion	Ratio	Lower	Upper
105	100		
134	19.7	0.0	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

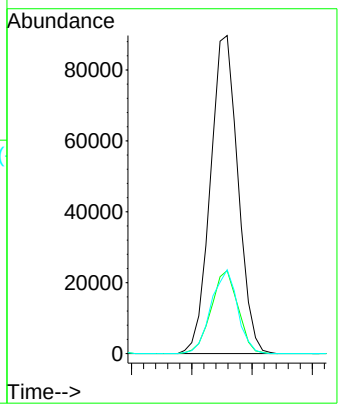
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

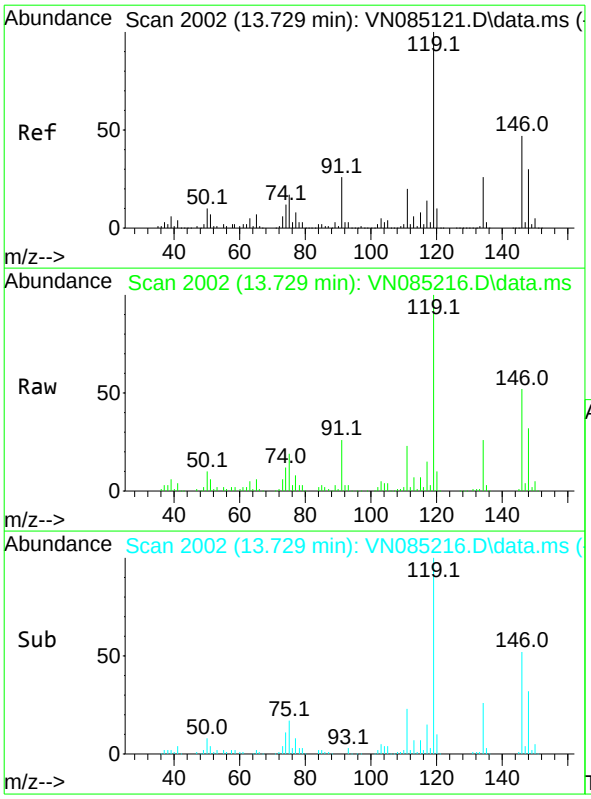


#82
p-Isopropyltoluene
Concen: 20.444 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:119 Resp: 142796

Ion	Ratio	Lower	Upper
119	100		
134	25.3	0.0	51.6
91	25.2	0.0	50.4

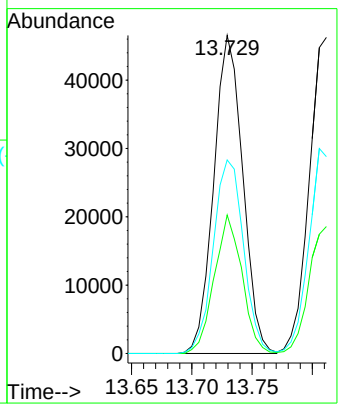




#83
1,3-Dichlorobenzene
Concen: 20.134 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:146 Resp: 77972

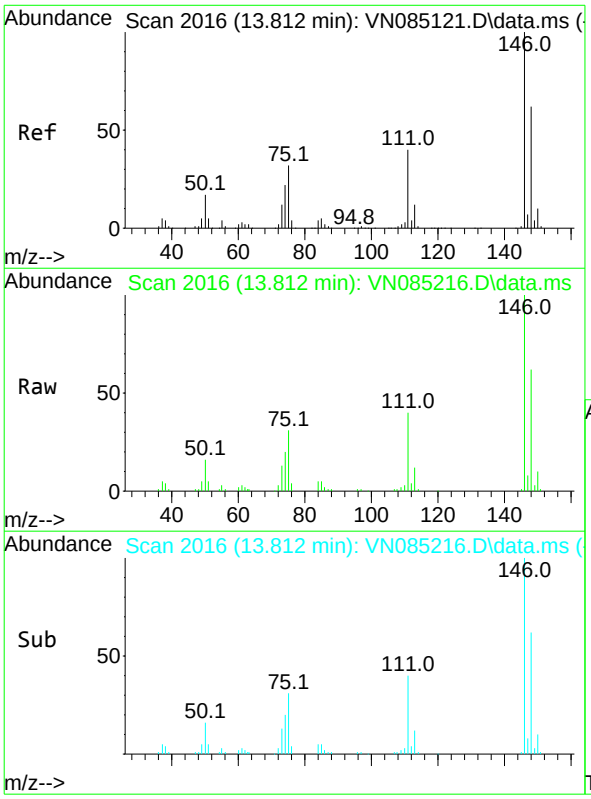
Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.1	63.3
148	63.4	31.8	95.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

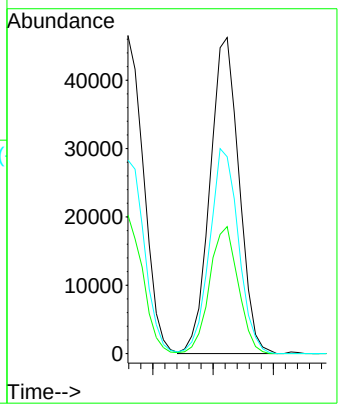
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

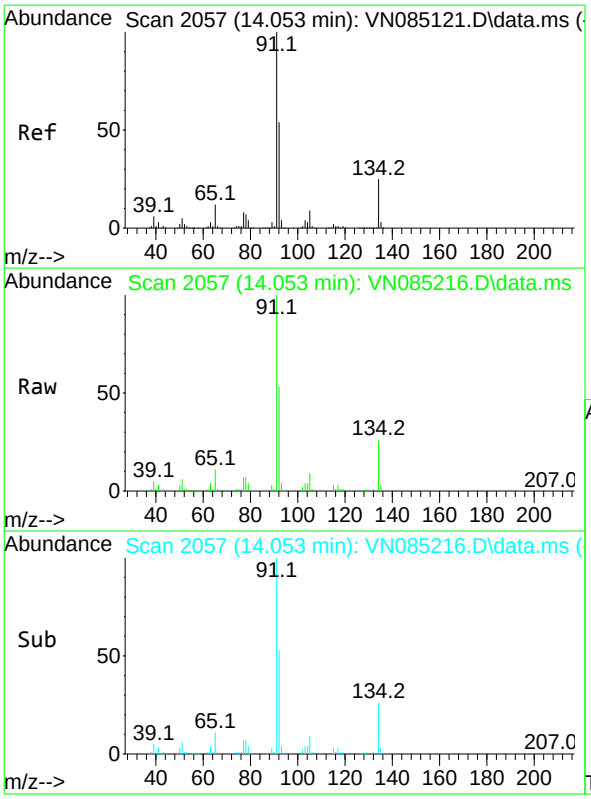


#84
1,4-Dichlorobenzene
Concen: 20.546 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:146 Resp: 77546

Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.1	60.3
148	64.3	31.6	94.7

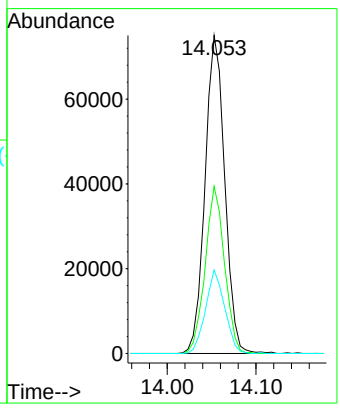




#85
n-Butylbenzene
Concen: 19.773 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 91 Resp: 115848

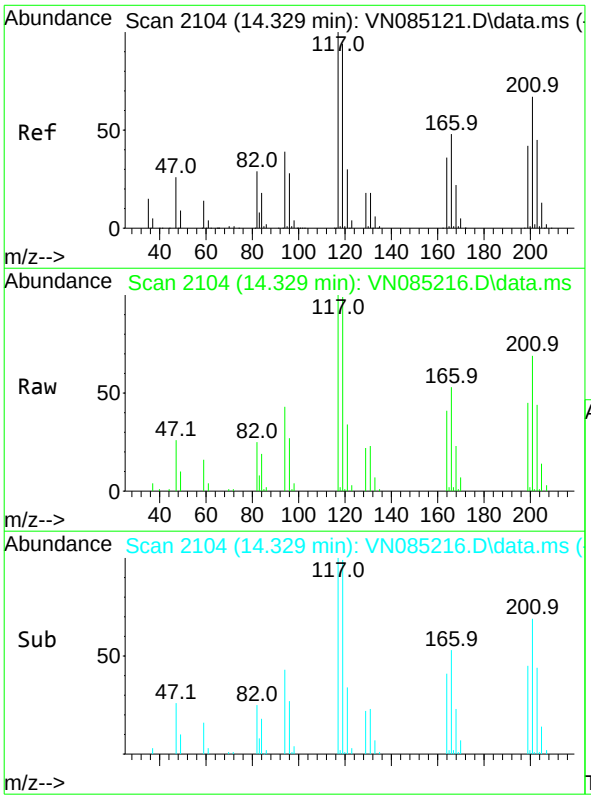
Ion	Ratio	Lower	Upper
91	100		
92	51.5	0.0	104.0
134	25.5	0.0	49.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

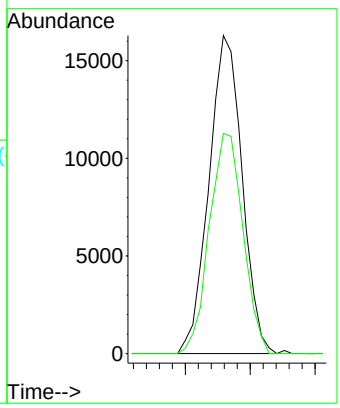
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

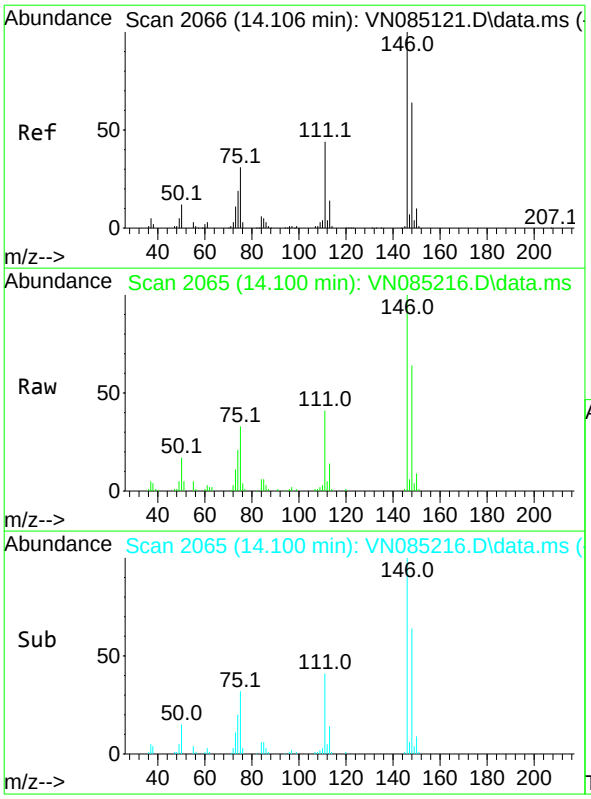


#86
Hexachloroethane
Concen: 20.814 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:117 Resp: 28941

Ion	Ratio	Lower	Upper
117	100		
201	70.2	34.1	102.3

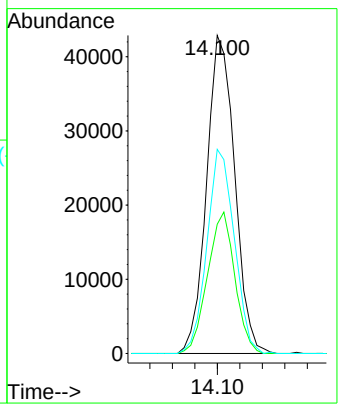




#87
1,2-Dichlorobenzene
Concen: 20.380 ug/l
RT: 14.100 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:146 Resp: 74498

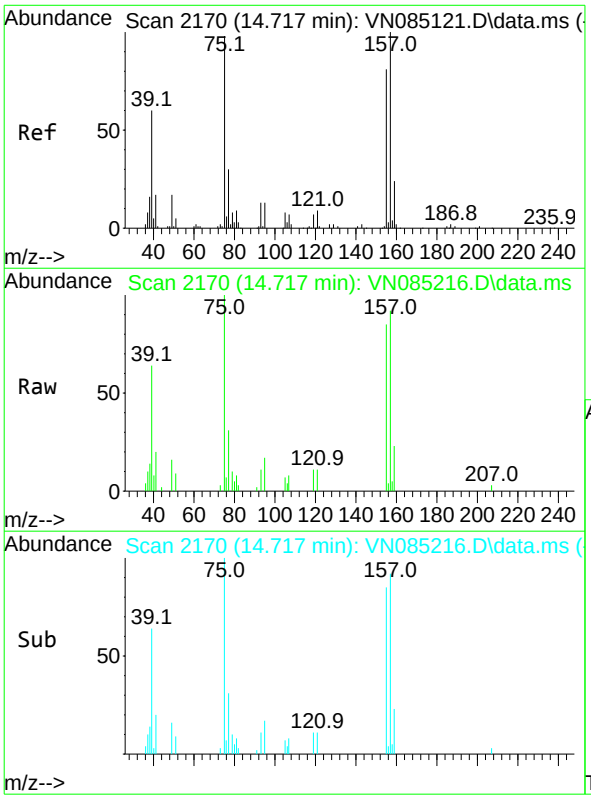
Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.9	65.7
148	62.5	32.4	97.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

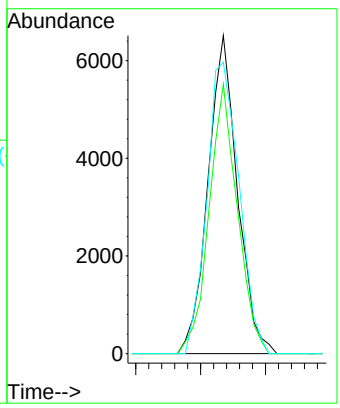
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

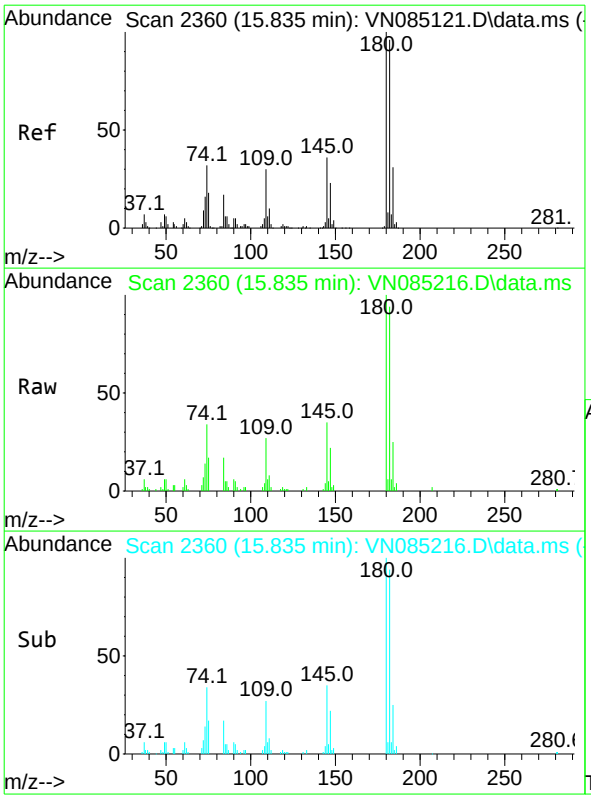


#88
1,2-Dibromo-3-Chloropropane
Concen: 20.062 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 75 Resp: 10280

Ion	Ratio	Lower	Upper
75	100		
155	81.4	62.1	93.1
157	100.1	79.3	118.9

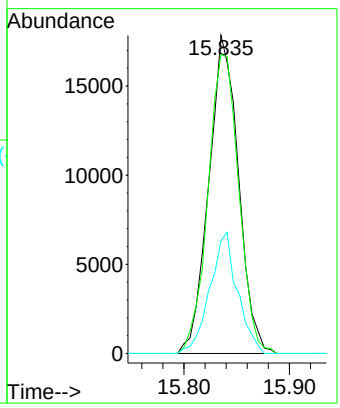




#89
1,2,4-Trichlorobenzene
Concen: 19.481 ug/l
RT: 15.835 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:180 Resp: 34875

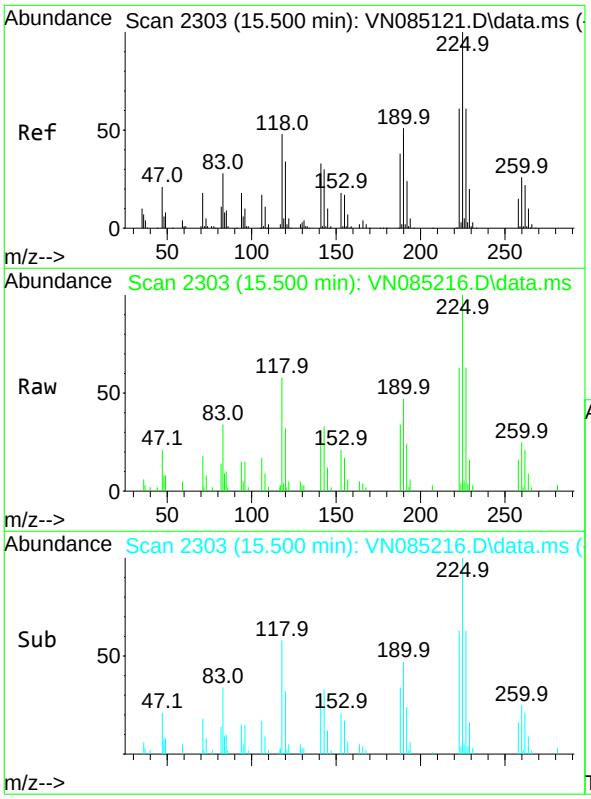
Ion	Ratio	Lower	Upper
180	100		
182	97.6	74.0	111.0
145	35.5	28.6	43.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

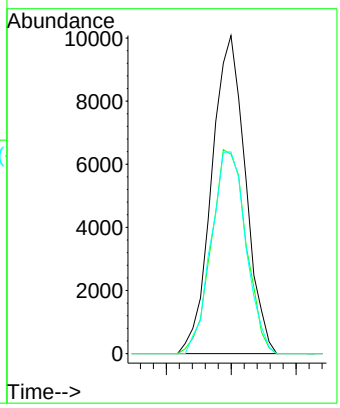
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

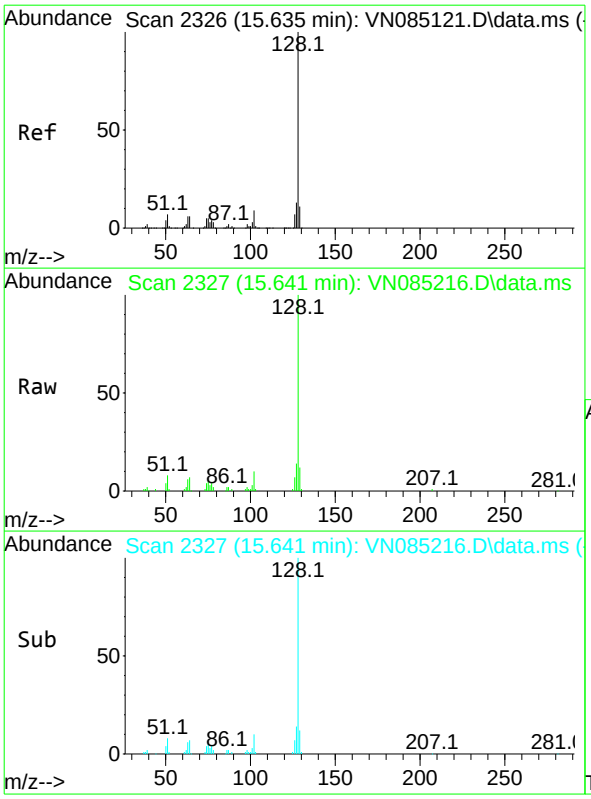


#90
Hexachlorobutadiene
Concen: 19.555 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:225 Resp: 18191

Ion	Ratio	Lower	Upper
225	100		
223	65.8	0.0	121.8
227	65.3	0.0	126.8

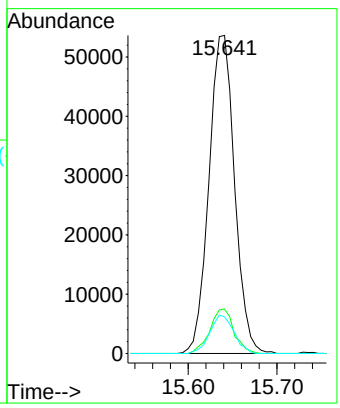




#91
Naphthalene
Concen: 19.380 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:128 Resp: 107788

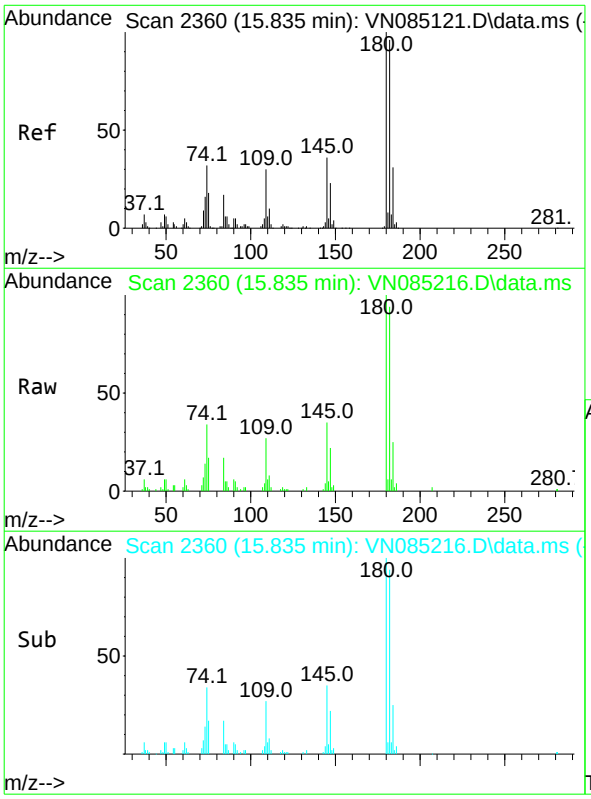
Ion	Ratio	Lower	Upper
128	100		
127	13.1	11.0	16.4
129	11.3	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

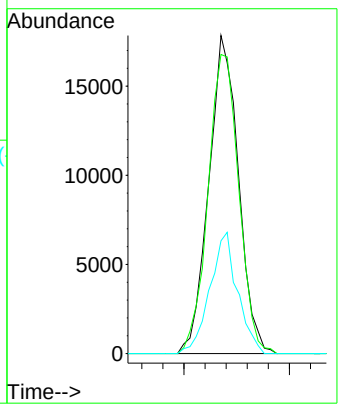
Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024



#92
1,2,3-Trichlorobenzene
Concen: 19.481 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:180 Resp: 34875

Ion	Ratio	Lower	Upper
180	100		
182	97.6	0.0	185.0
145	35.5	0.0	71.6



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085216.D
Acq On : 16 Dec 2024 16:33
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Dec 17 02:01:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
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	Bromochloromethane	1.000	1.000	0.0	94	0.00
2	M	Dichlorodifluoromethane	2.400	2.542	-5.9	97	0.00
3	M	Chloromethane	2.124	2.194	-3.3	98	0.00
4	M	Vinyl Chloride	2.173	2.299	-5.8	101	0.00
5	M	Bromomethane	1.380	1.295	6.2	91	0.00
6	M	Chloroethane	1.335	1.435	-7.5	104	0.00
7	M	Trichlorofluoromethane	3.557	3.621	-1.8	98	0.00
8	T	Diethyl Ether	1.127	1.141	-1.2	102	0.00
9		1,1,2-Trichlorotrifluoroeth	1.989	2.079	-4.5	101	0.00
10	M	1,1-Dichloroethene	1.827	1.851	-1.3	99	0.00
11		Methyl Iodide	2.534	2.053	19.0	82	0.00
12		Methyl Acetate	2.155	2.321	-7.7	106	0.00
13	M	Acrolein	0.313	0.345	-10.2	127	0.00
14	M	Acrylonitrile	0.895	0.922	-3.0	104	0.00
15	M	Acetone	0.243	0.286	-17.7	118	0.00
16	M	Carbon Disulfide	5.461	5.430	0.6	95	0.00
17		Allyl chloride	2.614	2.547	2.6	100	0.00
18	M	Methylene Chloride	2.073	1.985	4.2	93	0.00
19	M	trans-1,2-Dichloroethene	1.899	1.907	-0.4	100	0.00
20	T	Diisopropyl ether	5.737	5.749	-0.2	95	0.00
21	M	1,1-Dichloroethane	3.541	3.573	-0.9	98	0.00
22	M	cis-1,2-Dichloroethene	2.183	2.196	-0.6	97	0.00
23	M	tert-Butyl Alcohol	0.321	0.319	0.6	102	0.00
24	M	Methyl tert-Butyl Ether	5.708	5.892	-3.2	101	0.00
25	M	Chloroform	3.710	3.818	-2.9	99	0.00
26		Cyclohexane	2.916	2.845	2.4	91	0.00
27	s	1,2-Dichloroethane-d4	2.380	2.419	-1.6	95	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
29		1,1-Dichloropropene	0.484	0.483	0.2	98	0.00
30	M	2-Butanone	0.222	0.233	-5.0	105	0.00
31		2,2-Dichloropropane	0.621	0.621	0.0	100	0.00
32	M	1,1,1-Trichloroethane	0.655	0.667	-1.8	98	0.00
33	M	Carbon Tetrachloride	0.591	0.590	0.2	98	0.00
34	M	Benzene	1.521	1.495	1.7	97	0.00
35		Methacrylonitrile	0.250	0.233	6.8	91	0.00
36	M	1,2-Dichloroethane	0.518	0.508	1.9	98	0.00
37	M	Trichloroethene	0.362	0.357	1.4	98	0.00
38		Methylcyclohexane	0.526	0.503	4.4	102	0.00
39	M	1,2-Dichloropropane	0.368	0.358	2.7	95	0.00
40		Dibromomethane	0.264	0.267	-1.1	98	0.00
41	M	Bromodichloromethane	0.565	0.559	1.1	98	0.00
42	M	Vinyl Acetate	0.777	0.797	-2.6	104	0.00
43		Ethyl Acetate	0.442	0.449	-1.6	108	0.00
44		Isopropyl Acetate	0.768	0.789	-2.7	103	0.00
45	T	1,4-Dioxane	0.006	0.007	-16.7	99	0.00
46		Methyl methacrylate	0.352	0.365	-3.7	104	0.00
47		n-amyl Acetate	0.646	0.644	0.3	102	0.00
48	M	t-1,3-Dichloropropene	0.554	0.539	2.7	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085216.D
Acq On : 16 Dec 2024 16:33
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Dec 17 02:01:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
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	cis-1,3-Dichloropropene	0.604	0.579	4.1	96	0.00
50	M	1,1,2-Trichloroethane	0.356	0.358	-0.6	98	0.00
51		Ethyl methacrylate	0.542	0.536	1.1	103	0.00
52		1,3-Dichloropropane	0.596	0.598	-0.3	100	0.00
53	M	Dibromochloromethane	0.434	0.437	-0.7	100	0.00
54	M	1,2-Dibromoethane	0.359	0.359	0.0	101	0.00
55	M	2-Chloroethyl vinyl ether	0.252	0.241	4.4	95	0.00
56	M	Bromoform	0.291	0.286	1.7	102	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
58	M	4-Methyl-2-Pentanone	0.490	0.496	-1.2	97	0.00
59	M	2-Hexanone	0.371	0.371	0.0	95	0.00
60	S	4-Bromofluorobenzene	0.496	0.502	-1.2	98	0.00
61	M	Tetrachloroethene	0.363	0.364	-0.3	98	0.00
62	M	Toluene	1.750	1.715	2.0	96	0.00
63	S	Toluene-d8	1.407	1.395	0.9	93	0.00
64	M	Chlorobenzene	1.080	1.100	-1.9	100	0.00
65		1,1,1,2-Tetrachloroethane	0.403	0.400	0.7	100	0.00
66	M	Ethyl Benzene	1.857	1.856	0.1	103	0.00
67	M	m/p-Xylenes	0.714	0.728	-2.0	98	0.00
68	M	o-Xylene	0.671	0.684	-1.9	102	0.00
69	M	Styrene	1.138	1.149	-1.0	101	0.00
70		Isopropylbenzene	1.730	1.742	-0.7	101	0.00
71	M	1,1,2,2-Tetrachloroethane	0.526	0.537	-2.1	97	0.00
72		1,2,3-Trichloropropane	0.520	0.497	4.4	90	0.00
73		Bromobenzene	0.433	0.445	-2.8	102	0.00
74		n-propylbenzene	2.079	2.096	-0.8	100	0.00
75		2-Chlorotoluene	1.286	1.290	-0.3	98	0.00
76		1,3,5-Trimethylbenzene	1.482	1.515	-2.2	101	0.00
77		t-1,4-Dichloro-2-butene	0.189	0.178	5.8	96	0.00
78		4-Chlorotoluene	1.305	1.313	-0.6	100	0.00
79		tert-butylbenzene	1.217	1.212	0.4	99	0.00
80		1,2,4-Trimethylbenzene	1.464	1.522	-4.0	103	0.00
81		sec-Butylbenzene	1.729	1.739	-0.6	100	0.00
82		p-Isopropyltoluene	1.434	1.465	-2.2	103	0.00
83	M	1,3-Dichlorobenzene	0.795	0.800	-0.6	101	0.00
84	M	1,4-Dichlorobenzene	0.775	0.796	-2.7	103	0.00
85		n-Butylbenzene	1.203	1.189	1.2	105	0.00
86	T	Hexachloroethane	0.285	0.297	-4.2	104	0.00
87	M	1,2-Dichlorobenzene	0.750	0.765	-2.0	102	0.00
88		1,2-Dibromo-3-Chloropropane	0.105	0.105	0.0	98	0.00
89		1,2,4-Trichlorobenzene	0.367	0.358	2.5	101	0.00
90		Hexachlorobutadiene	0.191	0.187	2.1	98	0.00
91	M	Naphthalene	1.142	1.106	3.2	110	0.00
92		1,2,3-Trichlorobenzene	0.367	0.358	2.5	101	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085216.D
Acq On : 16 Dec 2024 16:33
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Dec 17 02:01:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
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	Bromochloromethane	30.000	30.000	0.0	94	0.00
2	M	Dichlorodifluoromethane	20.000	21.179	-5.9	97	0.00
3	M	Chloromethane	20.000	20.658	-3.3	98	0.00
4	M	Vinyl Chloride	20.000	21.156	-5.8	101	0.00
5	M	Bromomethane	20.000	18.777	6.1	91	0.00
6	M	Chloroethane	20.000	21.499	-7.5	104	0.00
7	M	Trichlorofluoromethane	20.000	20.361	-1.8	98	0.00
8	T	Diethyl Ether	20.000	20.263	-1.3	102	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	20.901	-4.5	101	0.00
10	M	1,1-Dichloroethene	20.000	20.266	-1.3	99	0.00
11		Methyl Iodide	20.000	16.205	19.0	82	0.00
12		Methyl Acetate	20.000	21.532	-7.7	106	0.00
13	M	Acrolein	100.000	110.222	-10.2	127	0.00
14	M	Acrylonitrile	100.000	103.071	-3.1	104	0.00
15	M	Acetone	100.000	118.123	-18.1	118	0.00
16	M	Carbon Disulfide	20.000	19.886	0.6	95	0.00
17		Allyl chloride	20.000	19.485	2.6	100	0.00
18	M	Methylene Chloride	20.000	19.149	4.3	93	0.00
19	M	trans-1,2-Dichloroethene	20.000	20.087	-0.4	100	0.00
20	T	Diisopropyl ether	20.000	20.042	-0.2	95	0.00
21	M	1,1-Dichloroethane	20.000	20.181	-0.9	98	0.00
22	M	cis-1,2-Dichloroethene	20.000	20.118	-0.6	97	0.00
23	M	tert-Butyl Alcohol	100.000	99.351	0.6	102	0.00
24	M	Methyl tert-Butyl Ether	20.000	20.646	-3.2	101	0.00
25	M	Chloroform	20.000	20.586	-2.9	99	0.00
26		Cyclohexane	20.000	19.513	2.4	91	0.00
27	s	1,2-Dichloroethane-d4	30.000	30.486	-1.6	95	0.00
28	I	1,4-Difluorobenzene	30.000	30.000	0.0	98	0.00
29		1,1-Dichloropropene	20.000	19.952	0.2	98	0.00
30	M	2-Butanone	100.000	104.700	-4.7	105	0.00
31		2,2-Dichloropropane	20.000	20.016	-0.1	100	0.00
32	M	1,1,1-Trichloroethane	20.000	20.352	-1.8	98	0.00
33	M	Carbon Tetrachloride	20.000	19.971	0.1	98	0.00
34	M	Benzene	20.000	19.668	1.7	97	0.00
35		Methacrylonitrile	20.000	18.649	6.8	91	0.00
36	M	1,2-Dichloroethane	20.000	19.608	2.0	98	0.00
37	M	Trichloroethene	20.000	19.715	1.4	98	0.00
38		Methylcyclohexane	20.000	19.104	4.5	102	0.00
39	M	1,2-Dichloropropane	20.000	19.424	2.9	95	0.00
40		Dibromomethane	20.000	20.246	-1.2	98	0.00
41	M	Bromodichloromethane	20.000	19.780	1.1	98	0.00
42	M	Vinyl Acetate	100.000	102.535	-2.5	104	0.00
43		Ethyl Acetate	20.000	20.300	-1.5	108	0.00
44		Isopropyl Acetate	20.000	20.553	-2.8	103	0.00
45	T	1,4-Dioxane	400.000	410.991	-2.7	99	0.00
46		Methyl methacrylate	20.000	20.757	-3.8	104	0.00
47		n-amyl Acetate	20.000	19.928	0.4	102	0.00
48	M	t-1,3-Dichloropropene	20.000	19.447	2.8	102	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085216.D
Acq On : 16 Dec 2024 16:33
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Dec 17 02:01:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
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	cis-1,3-Dichloropropene	20.000	19.185	4.1	96	0.00
50	M	1,1,2-Trichloroethane	20.000	20.106	-0.5	98	0.00
51		Ethyl methacrylate	20.000	19.790	1.1	103	0.00
52		1,3-Dichloropropane	20.000	20.068	-0.3	100	0.00
53	M	Dibromochloromethane	20.000	20.142	-0.7	100	0.00
54	M	1,2-Dibromoethane	20.000	19.998	0.0	101	0.00
55	M	2-Chloroethyl vinyl ether	100.000	95.632	4.4	95	0.00
56	M	Bromoform	20.000	19.663	1.7	102	0.00
57	I	Chlorobenzene-d5	30.000	30.000	0.0	96	0.00
58	M	4-Methyl-2-Pentanone	100.000	101.359	-1.4	97	0.00
59	M	2-Hexanone	100.000	99.918	0.1	95	0.00
60	S	4-Bromofluorobenzene	30.000	30.335	-1.1	98	0.00
61	M	Tetrachloroethene	20.000	20.047	-0.2	98	0.00
62	M	Toluene	20.000	19.603	2.0	96	0.00
63	S	Toluene-d8	30.000	29.742	0.9	93	0.00
64	M	Chlorobenzene	20.000	20.374	-1.9	100	0.00
65		1,1,1,2-Tetrachloroethane	20.000	19.821	0.9	100	0.00
66	M	Ethyl Benzene	20.000	19.992	0.0	103	0.00
67	M	m/p-Xylenes	40.000	40.773	-1.9	98	0.00
68	M	o-Xylene	20.000	20.398	-2.0	102	0.00
69	M	Styrene	20.000	20.189	-0.9	101	0.00
70		Isopropylbenzene	20.000	20.146	-0.7	101	0.00
71	M	1,1,2,2-Tetrachloroethane	20.000	20.416	-2.1	97	0.00
72		1,2,3-Trichloropropane	20.000	19.108	4.5	90	0.00
73		Bromobenzene	20.000	20.542	-2.7	102	0.00
74		n-propylbenzene	20.000	20.162	-0.8	100	0.00
75		2-Chlorotoluene	20.000	20.066	-0.3	98	0.00
76		1,3,5-Trimethylbenzene	20.000	20.451	-2.3	101	0.00
77		t-1,4-Dichloro-2-butene	20.000	18.797	6.0	96	0.00
78		4-Chlorotoluene	20.000	20.129	-0.6	100	0.00
79		tert-butylbenzene	20.000	19.923	0.4	99	0.00
80		1,2,4-Trimethylbenzene	20.000	20.790	-3.9	103	0.00
81		sec-Butylbenzene	20.000	20.111	-0.6	100	0.00
82		p-Isopropyltoluene	20.000	20.444	-2.2	103	0.00
83	M	1,3-Dichlorobenzene	20.000	20.134	-0.7	101	0.00
84	M	1,4-Dichlorobenzene	20.000	20.546	-2.7	103	0.00
85		n-Butylbenzene	20.000	19.773	1.1	105	0.00
86	T	Hexachloroethane	20.000	20.814	-4.1	104	0.00
87	M	1,2-Dichlorobenzene	20.000	20.380	-1.9	102	0.00
88		1,2-Dibromo-3-Chloropropane	20.000	20.062	-0.3	98	0.00
89		1,2,4-Trichlorobenzene	20.000	19.481	2.6	101	0.00
90		Hexachlorobutadiene	20.000	19.555	2.2	98	0.00
91	M	Naphthalene	20.000	19.380	3.1	110	0.00
92		1,2,3-Trichlorobenzene	20.000	19.481	2.6	101	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

QC SAMPLE DATA

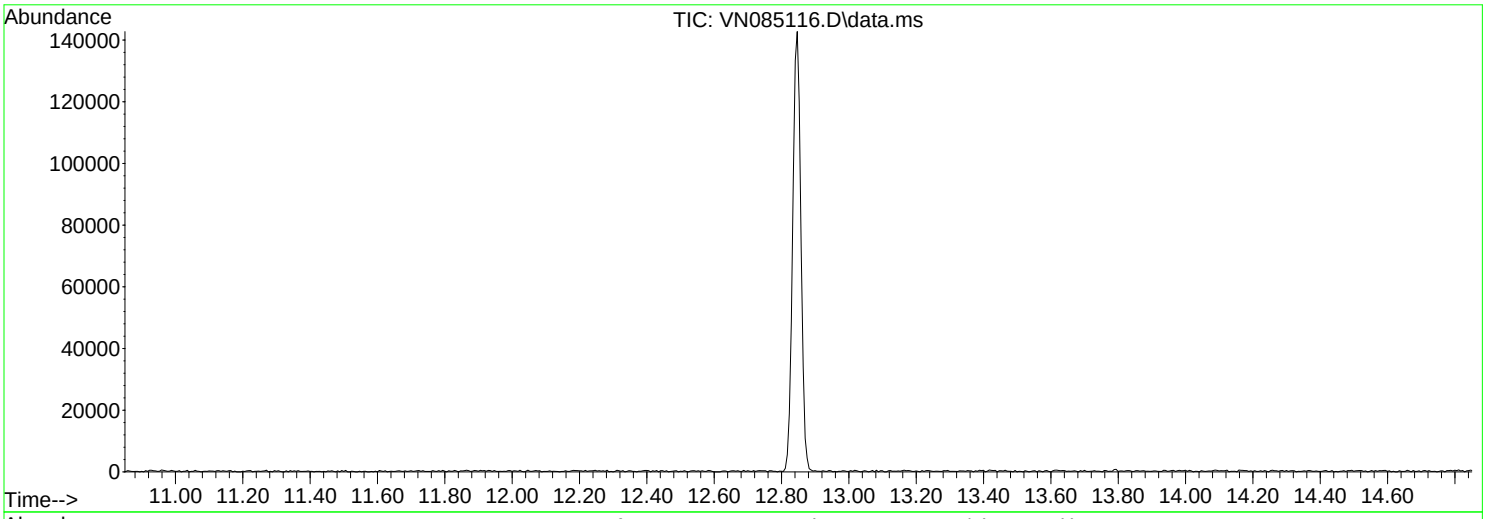
BFB

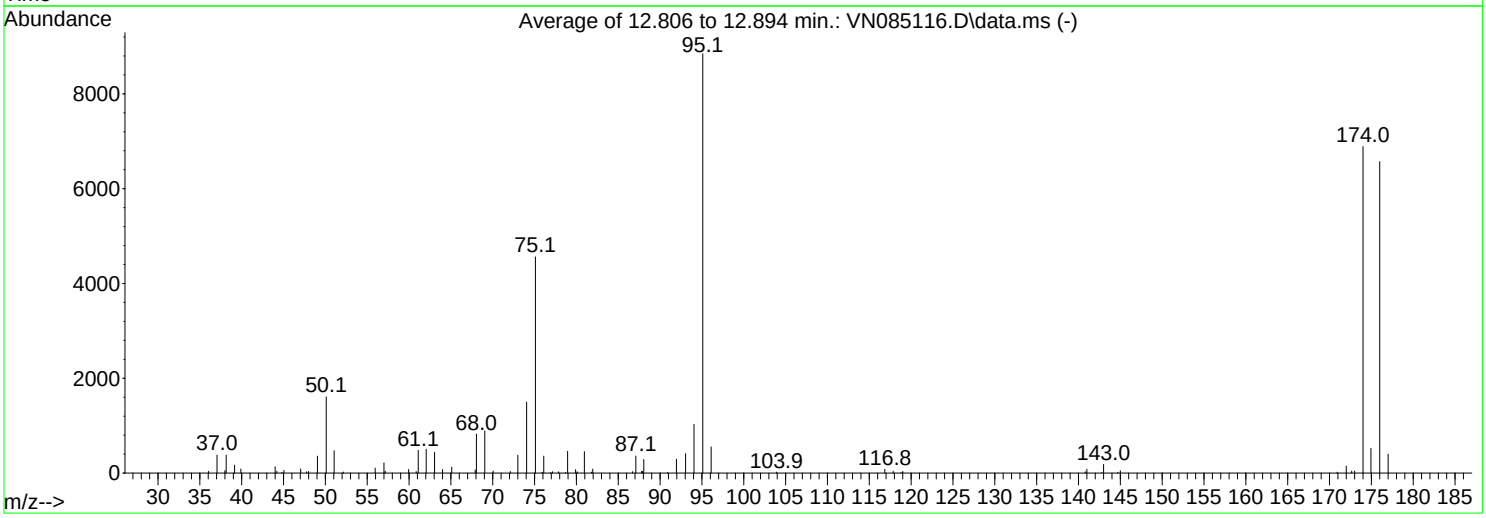
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Data File : VN085116.D
Acq On : 06 Dec 2024 08:14
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT3.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Fri Dec 06 22:50:42 2024





AutoFind: Averaged scan 1845 to 1860; Bkg corrected with scan 1844

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.1	1605	PASS
75	95	30	60	51.6	4561	PASS
95	95	100	100	100.0	8847	PASS
96	95	5	9	6.2	552	PASS
173	174	0.00	2	0.6	44	PASS
174	95	50	100	77.9	6888	PASS
175	174	5	9	7.6	521	PASS
176	174	95	101	95.4	6571	PASS
177	176	5	9	6.1	401	PASS

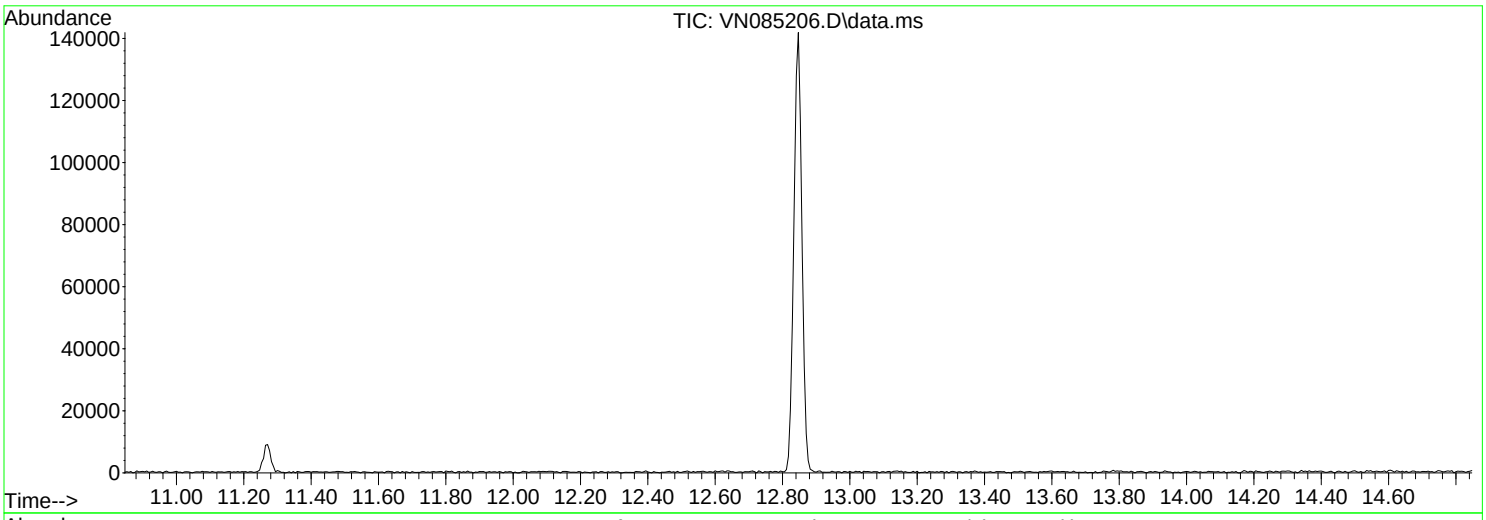
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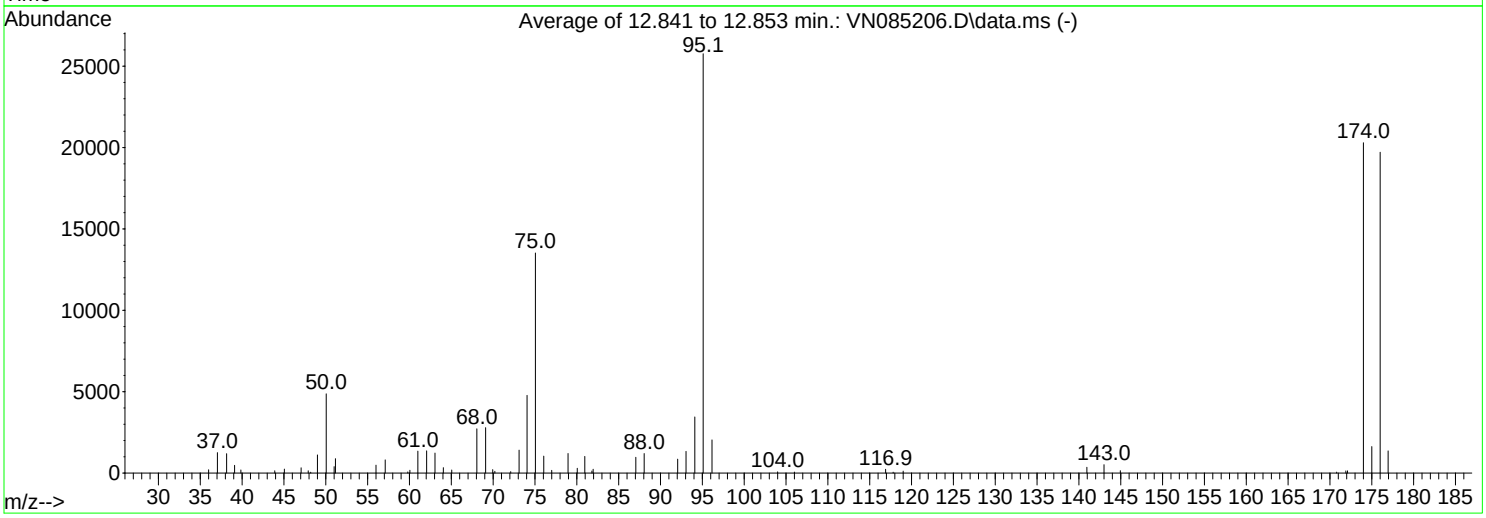
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085206.D
Acq On : 16 Dec 2024 08:58
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT3.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Fri Dec 06 22:50:42 2024





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1844

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.9	4870	PASS
75	95	30	60	52.5	13523	PASS
95	95	100	100	100.0	25765	PASS
96	95	5	9	7.9	2038	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	78.8	20296	PASS
175	174	5	9	8.0	1627	PASS
176	174	95	101	97.1	19712	PASS
177	176	5	9	6.9	1363	PASS

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:	CTO WE13	Date Received:	
Client Sample ID:	VN1216WBL01	SDG No.:	P5283
Lab Sample ID:	VN1216WBL01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085210.D	1		12/16/24 11:21	VN121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.00	ug/L
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/L
75-01-4	Vinyl Chloride	1.20	U	1.20	5.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	2.90	U	2.90	5.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	1.00	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/L
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.00	ug/L
107-02-8	Acrolein	9.30	U	9.30	25.0	ug/L
107-13-1	Acrylonitrile	3.70	U	3.70	25.0	ug/L
67-64-1	Acetone	4.90	U	4.90	25.0	ug/L
75-15-0	Carbon Disulfide	0.93	U	0.93	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	0.83	U	0.83	5.00	ug/L
79-20-9	Methyl Acetate	1.20	U	1.20	5.00	ug/L
75-09-2	Methylene Chloride	1.20	U	1.20	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.95	U	0.95	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.81	U	0.81	5.00	ug/L
110-82-7	Cyclohexane	1.00	U	1.00	5.00	ug/L
78-93-3	2-Butanone	3.60	U	3.60	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.91	U	0.91	5.00	ug/L
594-20-7	2,2-Dichloropropane	1.10	U	1.10	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.90	U	0.90	5.00	ug/L
67-66-3	Chloroform	0.72	U	0.72	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.79	U	0.79	5.00	ug/L
108-87-2	Methylcyclohexane	0.89	U	0.89	5.00	ug/L
563-58-6	1,1-Dichloropropene	0.75	U	0.75	5.00	ug/L
71-43-2	Benzene	0.69	U	0.69	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.75	U	0.75	5.00	ug/L
79-01-6	Trichloroethene	0.77	U	0.77	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.65	U	0.65	5.00	ug/L

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:	CTO WE13	Date Received:	
Client Sample ID:	VN1216WBL01	SDG No.:	P5283
Lab Sample ID:	VN1216WBL01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085210.D	1		12/16/24 11:21	VN121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
74-95-3	Dibromomethane	0.70	U	0.70	5.00	ug/L
75-27-4	Bromodichloromethane	0.81	U	0.81	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	4.20	U	4.20	25.0	ug/L
108-88-3	Toluene	0.72	U	0.72	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.79	U	0.79	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.83	U	0.83	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.68	U	0.68	5.00	ug/L
142-28-9	1,3-Dichloropropane	0.68	U	0.68	5.00	ug/L
591-78-6	2-Hexanone	3.90	U	3.90	25.0	ug/L
124-48-1	Dibromochloromethane	0.72	U	0.72	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.78	U	0.78	5.00	ug/L
127-18-4	Tetrachloroethene	0.94	U	0.94	5.00	ug/L
108-90-7	Chlorobenzene	0.67	U	0.67	5.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.91	U	0.91	5.00	ug/L
67-72-1	Hexachloroethane	0.91	U	0.91	5.00	ug/L
100-41-4	Ethyl Benzene	0.73	U	0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	1.70	U	1.70	10.0	ug/L
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/L
100-42-5	Styrene	0.80	U	0.80	5.00	ug/L
75-25-2	Bromoform	1.00	U	1.00	5.00	ug/L
98-82-8	Isopropylbenzene	0.85	U	0.85	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	0.60	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	1.70	U	1.70	5.00	ug/L
108-86-1	Bromobenzene	0.69	U	0.69	5.00	ug/L
103-65-1	n-propylbenzene	0.80	U	0.80	5.00	ug/L
95-49-8	2-Chlorotoluene	0.81	U	0.81	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.74	U	0.74	5.00	ug/L
106-43-4	4-Chlorotoluene	0.82	U	0.82	5.00	ug/L
98-06-6	tert-butylbenzene	0.77	U	0.77	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.83	U	0.83	5.00	ug/L
135-98-8	sec-Butylbenzene	0.77	U	0.77	5.00	ug/L

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:	CTO WE13	Date Received:	
Client Sample ID:	VN1216WBL01	SDG No.:	P5283
Lab Sample ID:	VN1216WBL01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085210.D	1		12/16/24 11:21	VN121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-87-6	p-Isopropyltoluene	0.82	U	0.82	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.88	U	0.88	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.95	U	0.95	5.00	ug/L
104-51-8	n-Butylbenzene	0.86	U	0.86	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	0.91	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.10	U	1.10	5.00	ug/L
91-20-3	Naphthalene	1.40	U	1.40	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.40	U	1.40	5.00	ug/L
74-88-4	Methyl Iodide	0.94	U	0.94	5.00	ug/L
80-62-6	Methyl methacrylate	1.00	U	1.00	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	31.1		91 - 110	104%	SPK: 30
2037-26-5	Toluene-d8	29.2		91 - 112	97%	SPK: 30
460-00-4	4-Bromofluorobenzene	25.2		63 - 112	84%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	28300	7.818			
540-36-3	1,4-Difluorobenzene	149000	9.1			
3114-55-4	Chlorobenzene-d5	130000	11.865			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085210.D
Acq On : 16 Dec 2024 11:21
Operator : JC\MD
Sample : VN1216WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBL01

Quant Time: Dec 16 12:22:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

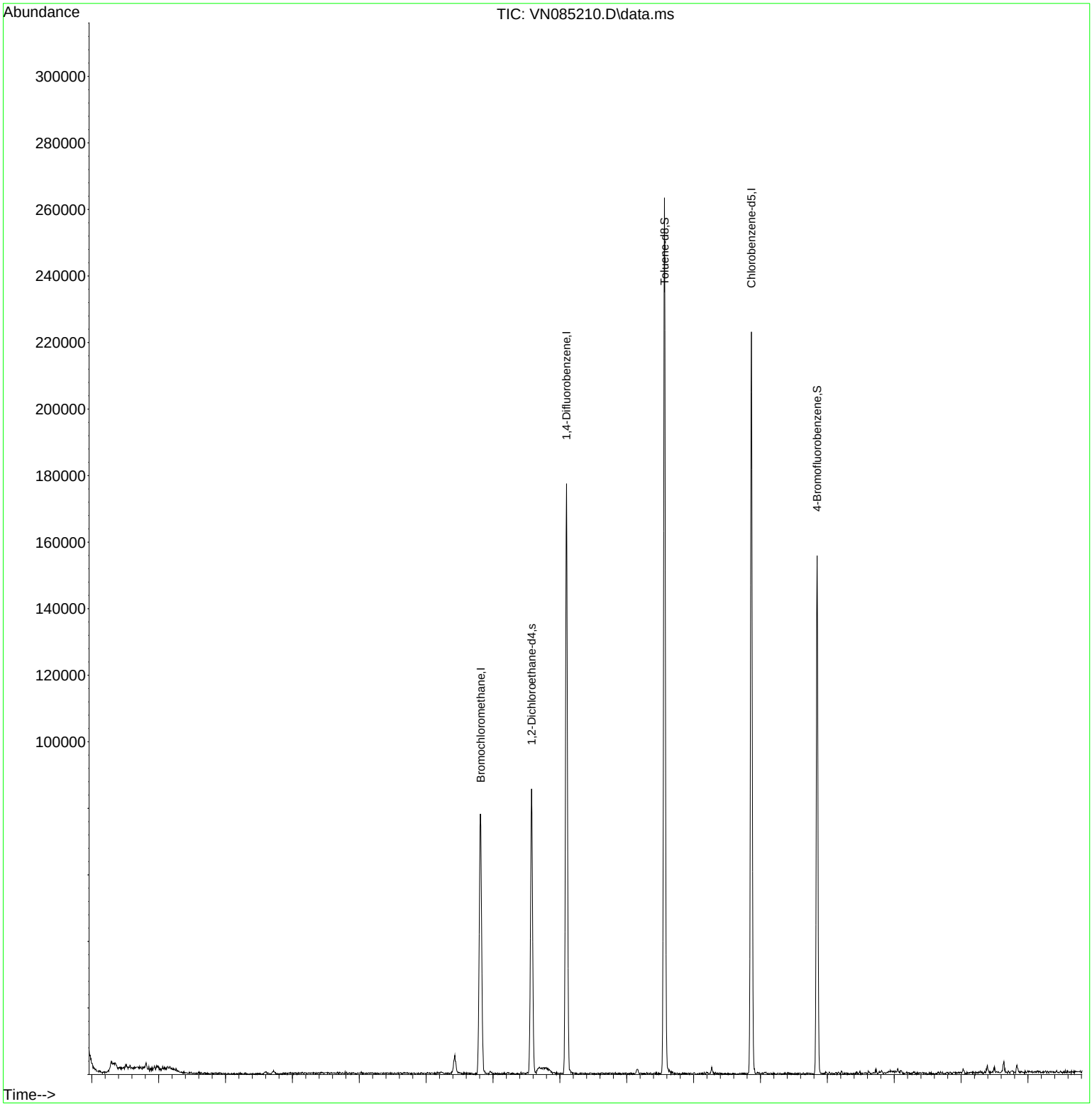
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.818	128	28325	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	149220	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	129681	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	69798	31.056	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.533%			
60) 4-Bromofluorobenzene	12.847	95	54141	25.232	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 84.100%			
63) Toluene-d8	10.565	98	177437	29.169	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.233%			
Target Compounds						Qvalue

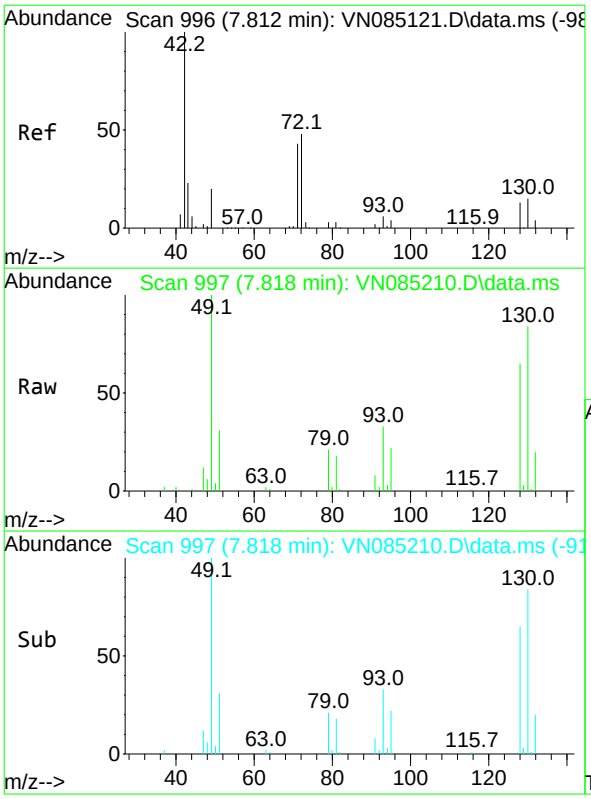
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085210.D
Acq On : 16 Dec 2024 11:21
Operator : JC\MD
Sample : VN1216WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBL01

Quant Time: Dec 16 12:22:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration



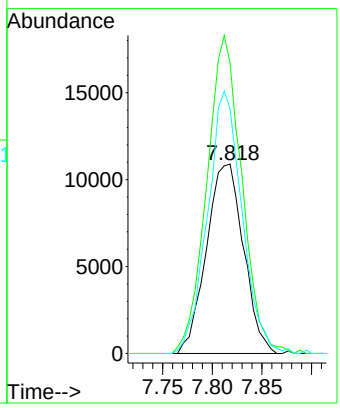


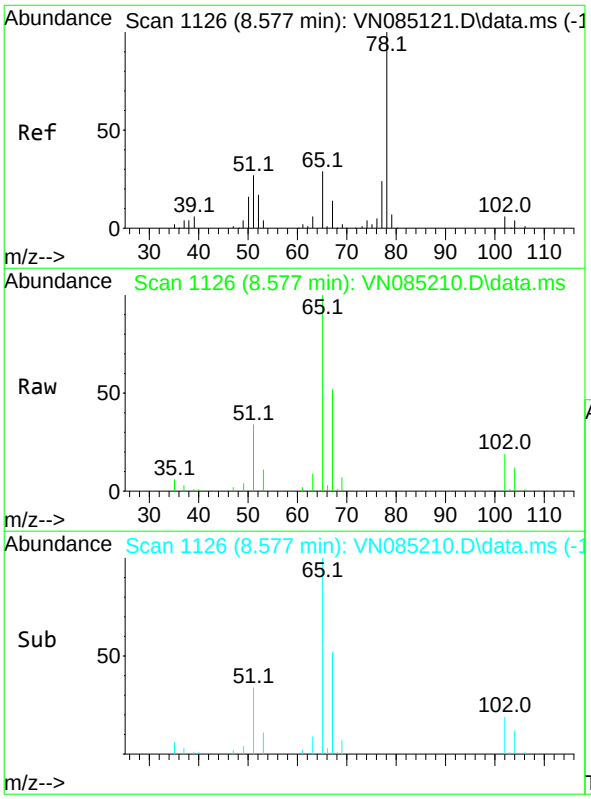
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN085210.D
Acq: 16 Dec 2024 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBL01

Tgt Ion:128 Resp: 28325

Ion	Ratio	Lower	Upper
128	100		
49	158.0	0.0	394.5
130	129.1	0.0	316.5

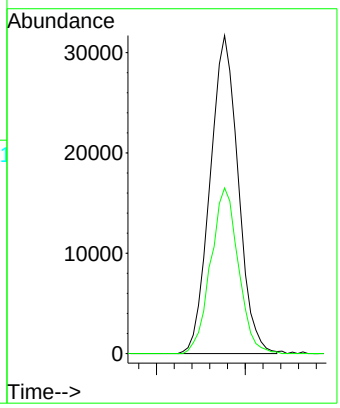


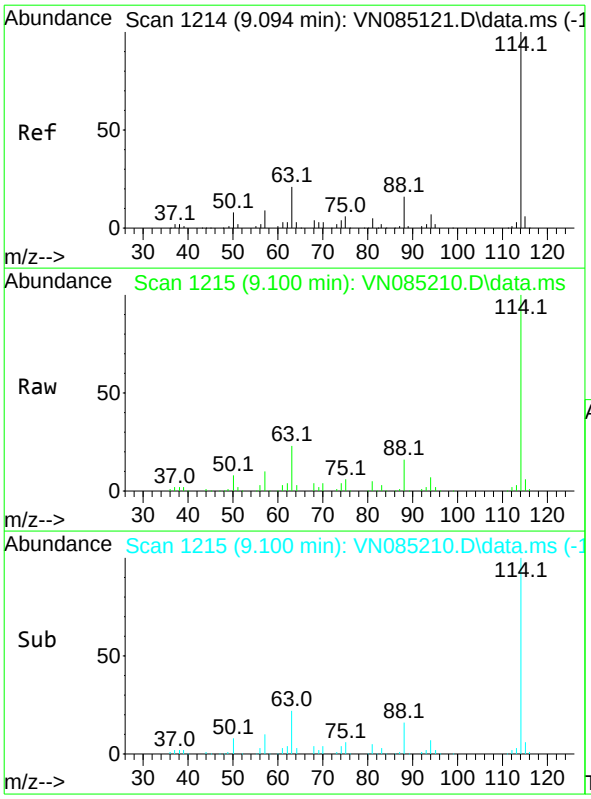


#27
1,2-Dichloroethane-d4
Concen: 31.056 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN085210.D
Acq: 16 Dec 2024 11:21

Tgt Ion: 65 Resp: 69798

Ion	Ratio	Lower	Upper
65	100		
67	51.1	39.9	59.9



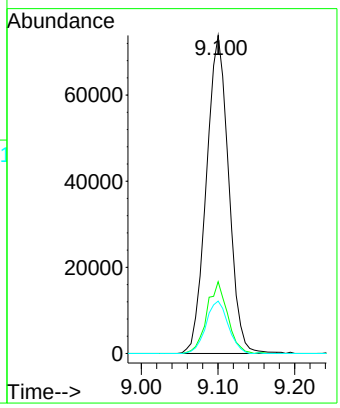


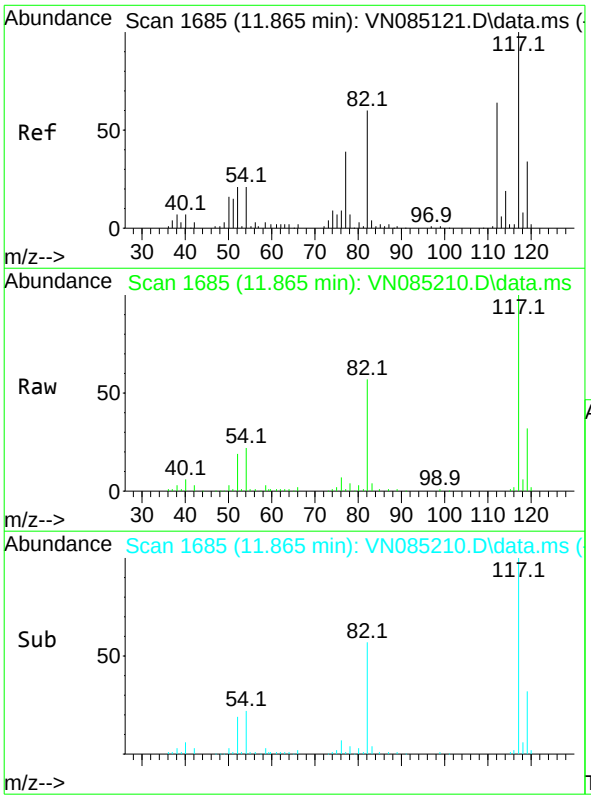
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN085210.D
Acq: 16 Dec 2024 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBL01

Tgt Ion:114 Resp: 149220

Ion	Ratio	Lower	Upper
114	100		
63	20.9	16.2	24.2
88	16.4	12.5	18.7

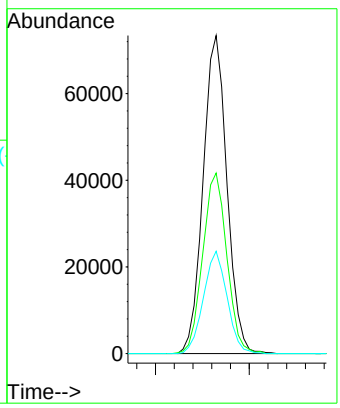


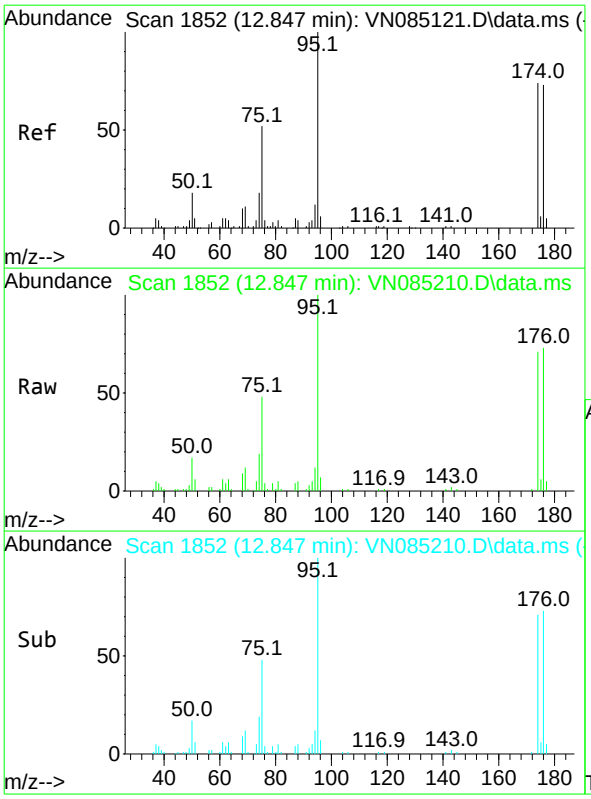


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085210.D
Acq: 16 Dec 2024 11:21

Tgt Ion:117 Resp: 129681

Ion	Ratio	Lower	Upper
117	100		
82	57.3	44.2	66.4
119	31.9	25.4	38.2



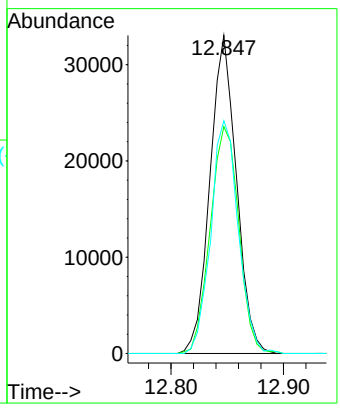


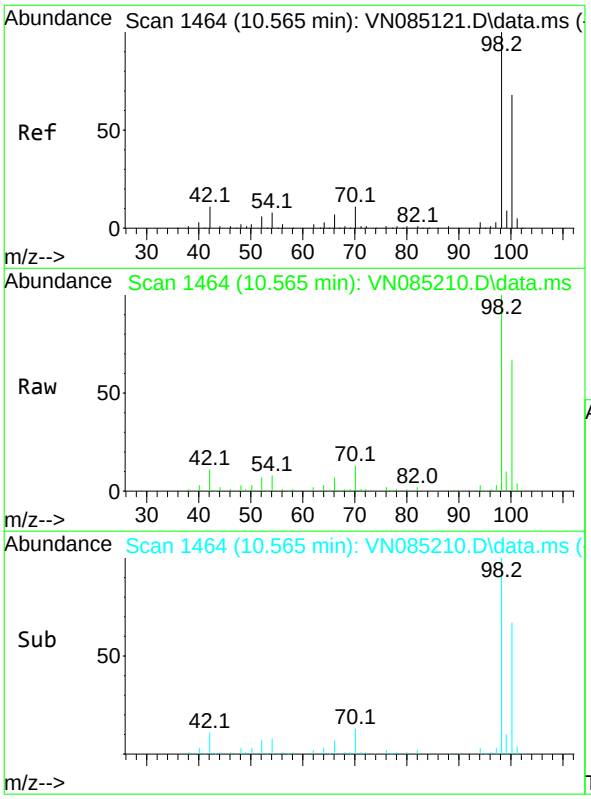
#60
4-Bromofluorobenzene
Concen: 25.232 ug/l
RT: 12.847 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085210.D
Acq: 16 Dec 2024 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBL01

Tgt Ion: 95 Resp: 54141

Ion	Ratio	Lower	Upper
95	100		
174	76.7	60.3	90.5
176	75.3	57.4	86.0

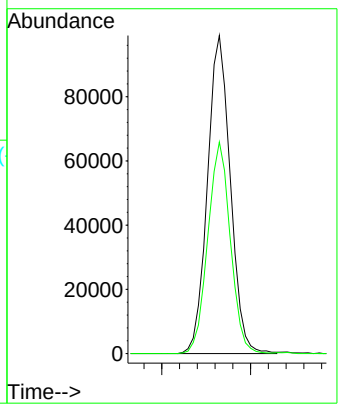




#63
Toluene-d8
Concen: 29.169 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085210.D
Acq: 16 Dec 2024 11:21

Tgt Ion: 98 Resp: 177437

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.0	78.0



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:	CTO WE13	Date Received:	
Client Sample ID:	VN1216WBS01	SDG No.:	P5283
Lab Sample ID:	VN1216WBS01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085208.D	1		12/16/24 10:19	VN121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.1		1.20	5.00	ug/L
74-87-3	Chloromethane	19.6		1.20	5.00	ug/L
75-01-4	Vinyl Chloride	19.3		1.20	5.00	ug/L
74-83-9	Bromomethane	20.0		1.40	5.00	ug/L
75-00-3	Chloroethane	19.9		2.90	5.00	ug/L
75-69-4	Trichlorofluoromethane	19.9		1.00	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.0		1.10	5.00	ug/L
75-35-4	1,1-Dichloroethene	19.7		1.10	5.00	ug/L
107-02-8	Acrolein	110		9.30	25.0	ug/L
107-13-1	Acrylonitrile	93.1		3.70	25.0	ug/L
67-64-1	Acetone	100		4.90	25.0	ug/L
75-15-0	Carbon Disulfide	19.1		0.93	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	19.9		0.83	5.00	ug/L
79-20-9	Methyl Acetate	19.0		1.20	5.00	ug/L
75-09-2	Methylene Chloride	18.5		1.20	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.5		0.95	5.00	ug/L
75-34-3	1,1-Dichloroethane	19.6		0.81	5.00	ug/L
110-82-7	Cyclohexane	19.3		1.00	5.00	ug/L
78-93-3	2-Butanone	92.6		3.60	25.0	ug/L
56-23-5	Carbon Tetrachloride	19.0		0.91	5.00	ug/L
594-20-7	2,2-Dichloropropane	18.7		1.10	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.6		0.90	5.00	ug/L
67-66-3	Chloroform	19.8		0.72	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.6		0.79	5.00	ug/L
108-87-2	Methylcyclohexane	18.7		0.89	5.00	ug/L
563-58-6	1,1-Dichloropropene	18.4		0.75	5.00	ug/L
71-43-2	Benzene	18.4		0.69	5.00	ug/L
107-06-2	1,2-Dichloroethane	18.3		0.75	5.00	ug/L
79-01-6	Trichloroethene	18.5		0.77	5.00	ug/L
78-87-5	1,2-Dichloropropane	18.5		0.65	5.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:		
Project:	CTO WE13		Date Received:		
Client Sample ID:	VN1216WBS01		SDG No.:	P5283	
Lab Sample ID:	VN1216WBS01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group4	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085208.D	1		12/16/24 10:19	VN121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
74-95-3	Dibromomethane	18.7		0.70	5.00	ug/L
75-27-4	Bromodichloromethane	18.3		0.81	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	90.8		4.20	25.0	ug/L
108-88-3	Toluene	18.9		0.72	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.5		0.79	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.5		0.83	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.0		0.68	5.00	ug/L
142-28-9	1,3-Dichloropropane	18.2		0.68	5.00	ug/L
591-78-6	2-Hexanone	89.7		3.90	25.0	ug/L
124-48-1	Dibromochloromethane	18.7		0.72	5.00	ug/L
106-93-4	1,2-Dibromoethane	18.3		0.78	5.00	ug/L
127-18-4	Tetrachloroethene	19.1		0.94	5.00	ug/L
108-90-7	Chlorobenzene	18.7		0.67	5.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	18.6		0.91	5.00	ug/L
67-72-1	Hexachloroethane	18.8		0.91	5.00	ug/L
100-41-4	Ethyl Benzene	18.7		0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	38.0		1.70	10.0	ug/L
95-47-6	o-Xylene	19.2		0.82	5.00	ug/L
100-42-5	Styrene	18.7		0.80	5.00	ug/L
75-25-2	Bromoform	17.9		1.00	5.00	ug/L
98-82-8	Isopropylbenzene	19.3		0.85	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.6		0.60	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	15.3		1.70	5.00	ug/L
108-86-1	Bromobenzene	18.7		0.69	5.00	ug/L
103-65-1	n-propylbenzene	18.6		0.80	5.00	ug/L
95-49-8	2-Chlorotoluene	19.0		0.81	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	19.3		0.74	5.00	ug/L
106-43-4	4-Chlorotoluene	18.9		0.82	5.00	ug/L
98-06-6	tert-butylbenzene	18.9		0.77	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	19.5		0.83	5.00	ug/L
135-98-8	sec-Butylbenzene	19.0		0.77	5.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VN1216WBS01	SDG No.:	P5283
Lab Sample ID:	VN1216WBS01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085208.D	1		12/16/24 10:19	VN121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-87-6	p-Isopropyltoluene	19.3		0.82	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.6		0.88	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.0		0.95	5.00	ug/L
104-51-8	n-Butylbenzene	19.1		0.86	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.7		0.88	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.1		0.91	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.5		1.10	5.00	ug/L
87-68-3	Hexachlorobutadiene	20.3		1.10	5.00	ug/L
91-20-3	Naphthalene	18.9		1.40	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.5		1.40	5.00	ug/L
74-88-4	Methyl Iodide	17.6		0.94	5.00	ug/L
80-62-6	Methyl methacrylate	18.1		1.00	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.0		91 - 110	100%	SPK: 30
2037-26-5	Toluene-d8	29.7		91 - 112	99%	SPK: 30
460-00-4	4-Bromofluorobenzene	29.7		63 - 112	99%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	30800	7.806			
540-36-3	1,4-Difluorobenzene	170000	9.1			
3114-55-4	Chlorobenzene-d5	156000	11.865			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085208.D
Acq On : 16 Dec 2024 10:19
Operator : JC\MD
Sample : VN1216WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 16 12:21:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations APPROVED
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.806	128	30825	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	169823	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	155663	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	73444	30.028	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.100%			
60) 4-Bromofluorobenzene	12.847	95	76379	29.655	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.833%			
63) Toluene-d8	10.565	98	216652	29.671	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	49525	20.082	ug/l	96
3) Chloromethane	2.359	50	42692	19.558	ug/l	97
4) Vinyl Chloride	2.518	62	42995	19.257	ug/l	97
5) Bromomethane	2.965	94	28290	19.958	ug/l	99
6) Chloroethane	3.124	64	27287	19.893	ug/l	96
7) Trichlorofluoromethane	3.500	101	72626	19.872	ug/l	94
8) Diethyl Ether	3.959	74	22934	19.812	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	38921	19.044	ug/l	92
10) 1,1-Dichloroethene	4.347	96	36972	19.695	ug/l	96
11) Methyl Iodide	4.589	142	45944	17.647	ug/l	98
12) Methyl Acetate	5.024	43	42168	19.041	ug/l	91
13) Acrolein	4.183	56	34873	108.358	ug/l	94
14) Acrylonitrile	5.718	53	85647	93.137	ug/l	97
15) Acetone	4.430	58	25905	103.954	ug/l	96
16) Carbon Disulfide	4.712	76	106931	19.057	ug/l	99
17) Allyl chloride	5.024	41	53377	19.871	ug/l	94
18) Methylene Chloride	5.277	84	39484	18.537	ug/l	93
19) trans-1,2-Dichloroethene	5.789	96	38087	19.519	ug/l	89
20) Diisopropyl ether	6.665	45	115380	19.573	ug/l	97
21) 1,1-Dichloroethane	6.559	63	71315	19.601	ug/l	98
22) cis-1,2-Dichloroethene	7.483	96	43904	19.576	ug/l	99
23) tert-Butyl Alcohol	5.506	59	31898	96.694	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	116497	19.863	ug/l #	76
25) Chloroform	7.965	83	75307	19.757	ug/l	94
26) Cyclohexane	8.253	56	57940	19.340	ug/l #	95
29) 1,1-Dichloropropene	8.365	75	50315	18.361	ug/l	99
30) 2-Butanone	7.483	43	116422	92.579	ug/l	99
31) 2,2-Dichloropropane	7.488	77	65751	18.711	ug/l #	100
32) 1,1,1-Trichloroethane	8.171	97	69008	18.605	ug/l	97
33) Carbon Tetrachloride	8.359	117	63544	18.985	ug/l	94
34) Benzene	8.606	78	158668	18.431	ug/l	99
35) Methacrylonitrile	7.777	41	26103	18.445	ug/l	87
36) 1,2-Dichloroethane	8.665	62	53550	18.273	ug/l	100
37) Trichloroethene	9.347	130	37914	18.494	ug/l	95
38) Methylcyclohexane	9.600	83	55860	18.747	ug/l	95
39) 1,2-Dichloropropane	9.618	63	38631	18.527	ug/l	98
40) Dibromomethane	9.706	93	27987	18.712	ug/l	97
41) Bromodichloromethane	9.882	83	58391	18.262	ug/l	96
42) Vinyl Acetate	6.600	43	416125	94.564	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085208.D
Acq On : 16 Dec 2024 10:19
Operator : JC\MD
Sample : VN1216WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 16 12:21:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations APPROVED
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	46077	18.415	ug/l	92
44) Isopropyl Acetate	8.682	43	79121	18.196	ug/l	100
45) 1,4-Dioxane	9.694	88	13749	379.179	ug/l	98
46) Methyl methacrylate	9.677	41	36110	18.146	ug/l	95
47) n-amyl Acetate	12.488	43	65132	17.803	ug/l	97
48) t-1,3-Dichloropropene	10.835	75	57919	18.453	ug/l	100
49) cis-1,3-Dichloropropene	10.306	75	63332	18.535	ug/l	98
50) 1,1,2-Trichloroethane	11.012	97	36370	18.046	ug/l	91
51) Ethyl methacrylate	10.871	69	55409	18.076	ug/l	98
52) 1,3-Dichloropropane	11.159	76	61421	18.210	ug/l	99
53) Dibromochloromethane	11.353	129	45949	18.708	ug/l	99
54) 1,2-Dibromoethane	11.465	107	37104	18.272	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	86871	61.005	ug/l	100
56) Bromoform	12.576	173	29455	17.887	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	230551	90.751	ug/l	98
59) 2-Hexanone	11.194	43	172668	89.701	ug/l	97
61) Tetrachloroethene	11.100	164	36077	19.138	ug/l	91
62) Toluene	10.624	91	171579	18.900	ug/l	100
64) Chlorobenzene	11.888	112	105060	18.744	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.953	131	38827	18.556	ug/l	98
66) Ethyl Benzene	11.959	91	180124	18.698	ug/l	96
67) m/p-Xylenes	12.070	106	140933	38.037	ug/l	98
68) o-Xylene	12.394	106	66910	19.229	ug/l	97
69) Styrene	12.406	104	110123	18.651	ug/l	99
70) Isopropylbenzene	12.694	105	172891	19.264	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	50789	18.592	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	41267m	15.293	ug/l	
73) Bromobenzene	12.976	156	41970	18.670	ug/l	99
74) n-propylbenzene	13.029	91	200993	18.628	ug/l	99
75) 2-Chlorotoluene	13.123	91	126691	18.991	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	148740	19.344	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	18403	18.768	ug/l	99
78) 4-Chlorotoluene	13.217	91	127983	18.901	ug/l	99
79) tert-butylbenzene	13.435	119	119374	18.902	ug/l	96
80) 1,2,4-Trimethylbenzene	13.476	105	147735	19.451	ug/l	99
81) sec-Butylbenzene	13.612	105	170821	19.039	ug/l	99
82) p-Isopropyltoluene	13.723	119	143795	19.331	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	76871	18.638	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	76385	19.003	ug/l	99
85) n-Butylbenzene	14.053	91	119073	19.083	ug/l	100
86) Hexachloroethane	14.329	117	27875	18.824	ug/l	93
87) 1,2-Dichlorobenzene	14.100	146	72871	18.718	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	9899	18.139	ug/l	99
89) 1,2,4-Trichlorobenzene	15.835	180	37230	19.527	ug/l	96
90) Hexachlorobutadiene	15.494	225	20120	20.308	ug/l	97
91) Naphthalene	15.635	128	112126	18.930	ug/l	98
92) 1,2,3-Trichlorobenzene	15.835	180	37230	19.527	ug/l	96

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

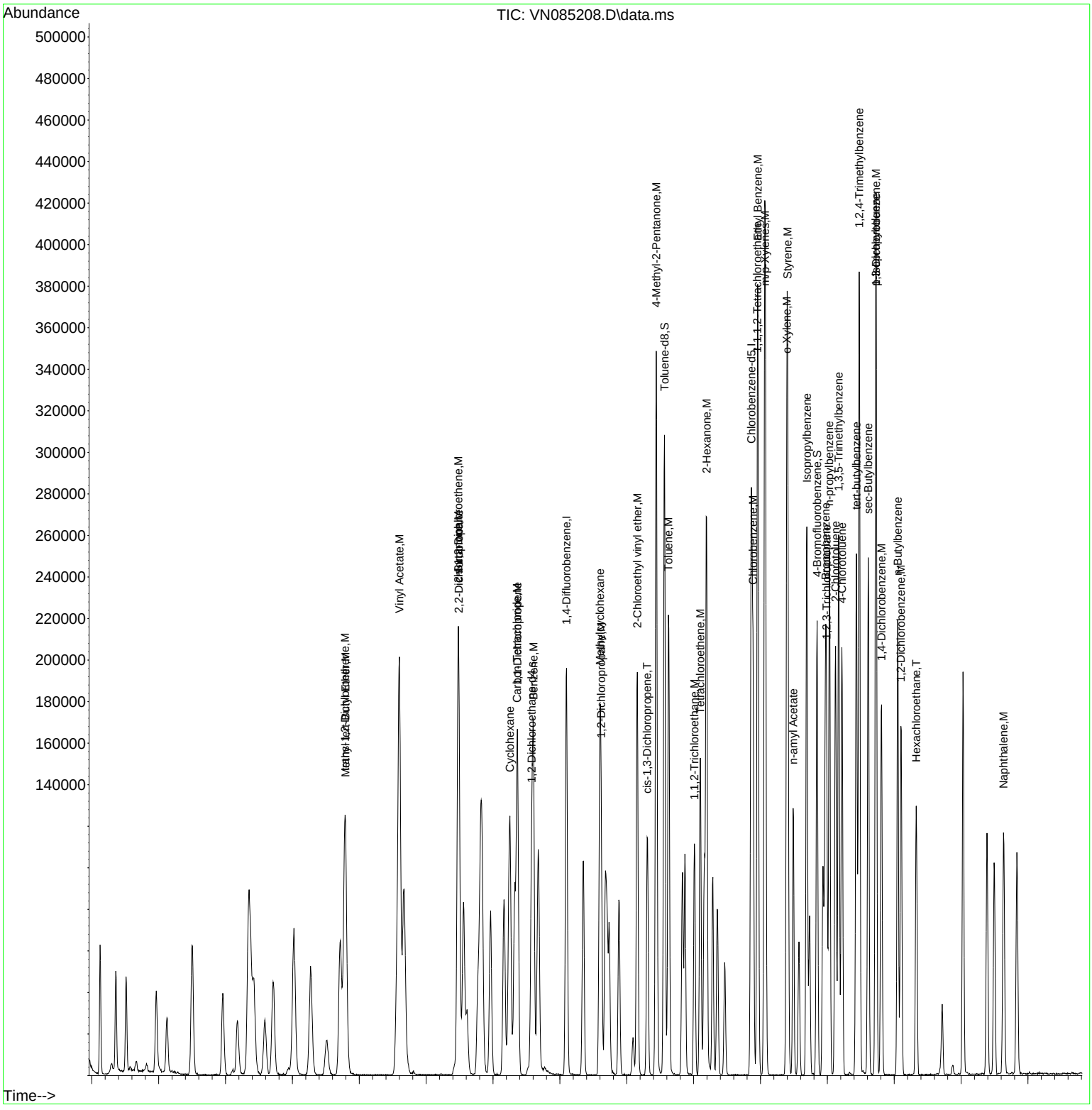
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Data File : VN085208.D
Acq On : 16 Dec 2024 10:19
Operator : JC\MD
Sample : VN1216WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

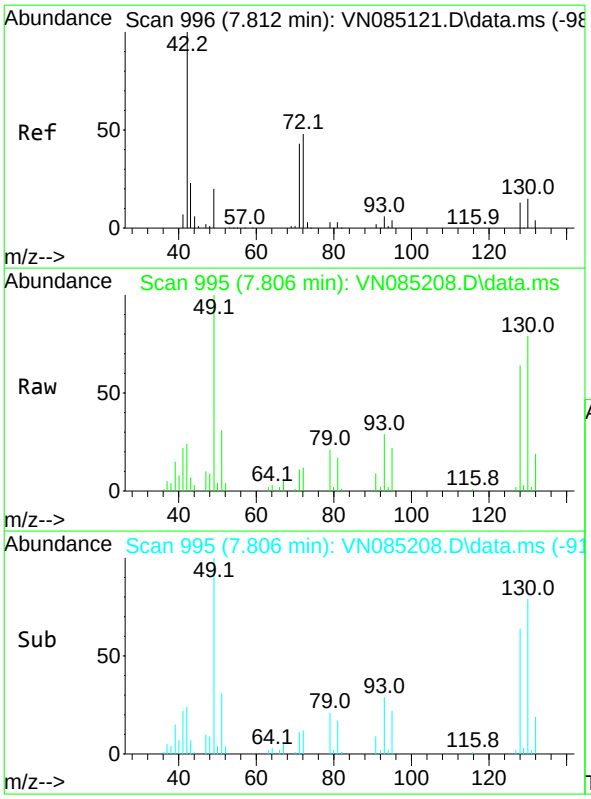
Quant Time: Dec 16 12:21:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

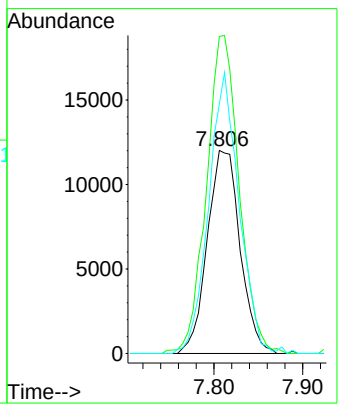




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:128 Resp: 30825

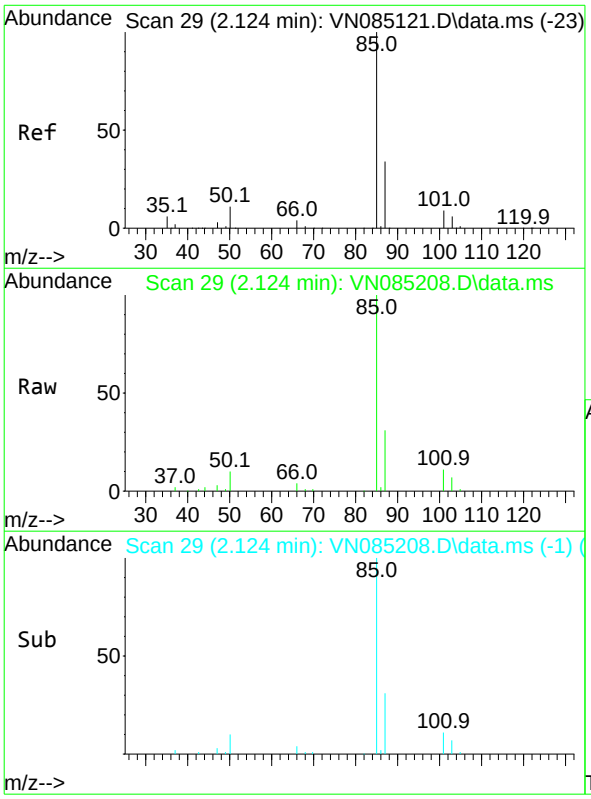
Ion	Ratio	Lower	Upper
128	100		
49	156.0	0.0	394.5
130	128.2	0.0	316.5



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

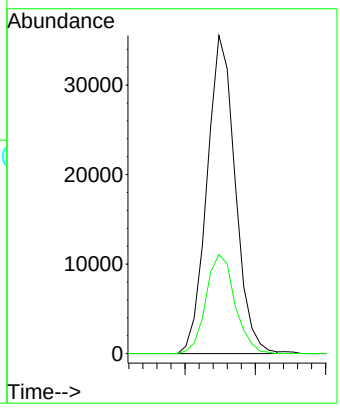
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

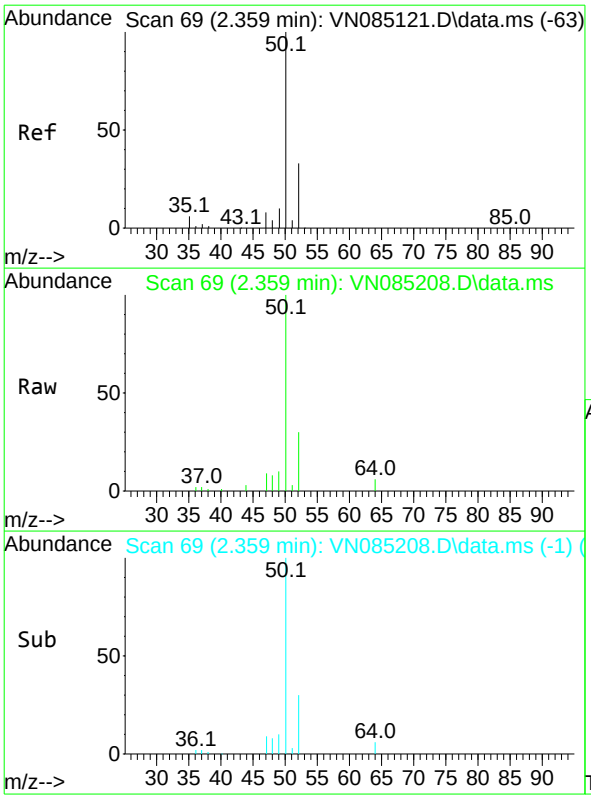


#2
Dichlorodifluoromethane
Concen: 20.082 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 85 Resp: 49525

Ion	Ratio	Lower	Upper
85	100		
87	31.1	16.8	50.3

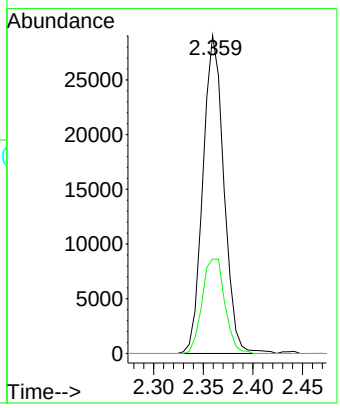




#3
Chloromethane
Concen: 19.558 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 50 Resp: 42692

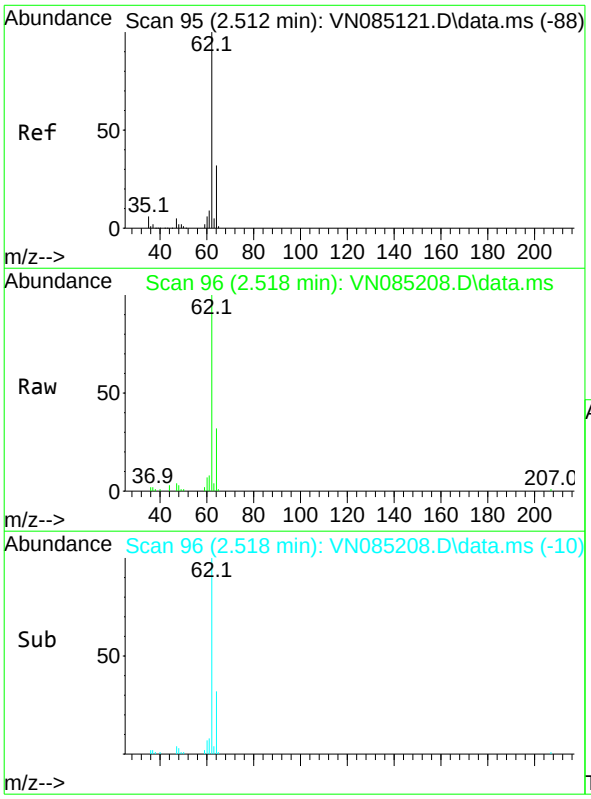
Ion	Ratio	Lower	Upper
50	100		
52	29.7	25.0	37.4



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

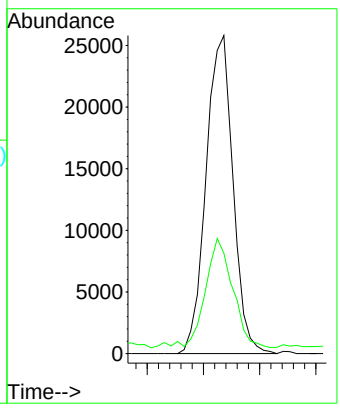
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

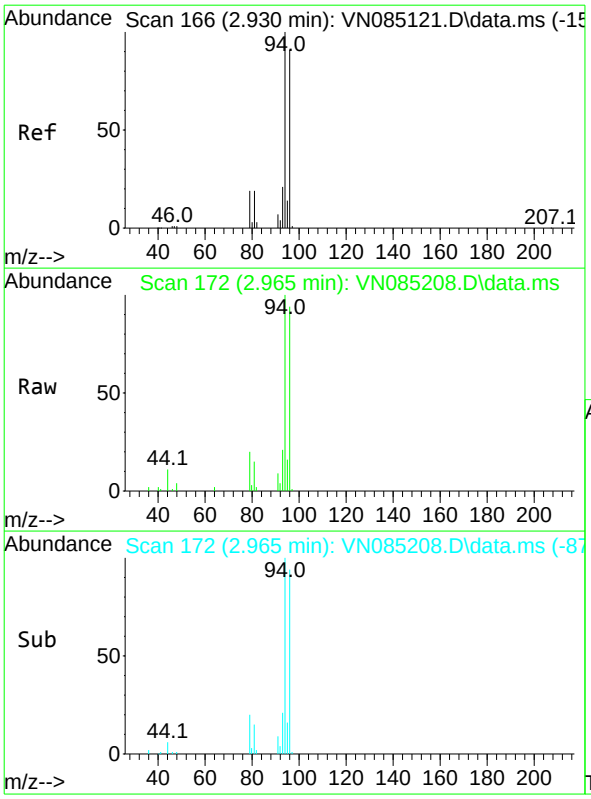


#4
Vinyl Chloride
Concen: 19.257 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 62 Resp: 42995

Ion	Ratio	Lower	Upper
62	100		
64	29.6	24.9	37.3

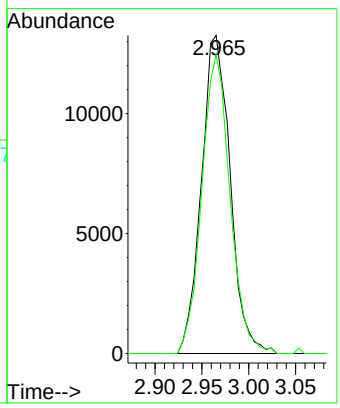




#5
Bromomethane
Concen: 19.958 ug/l
RT: 2.965 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 94 Resp: 28290

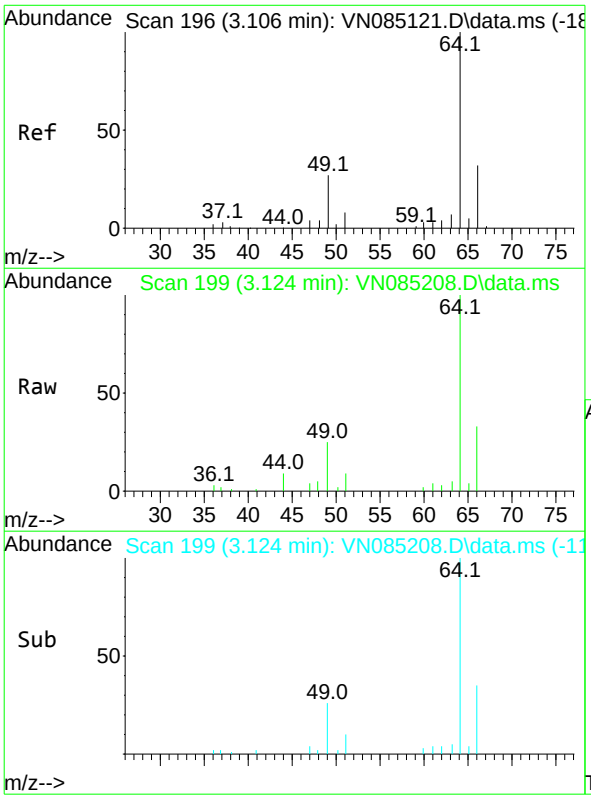
Ion	Ratio	Lower	Upper
94	100		
96	93.9	76.2	114.4



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

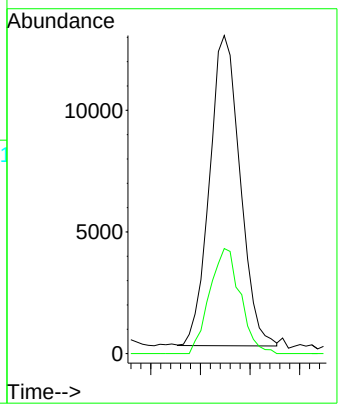
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

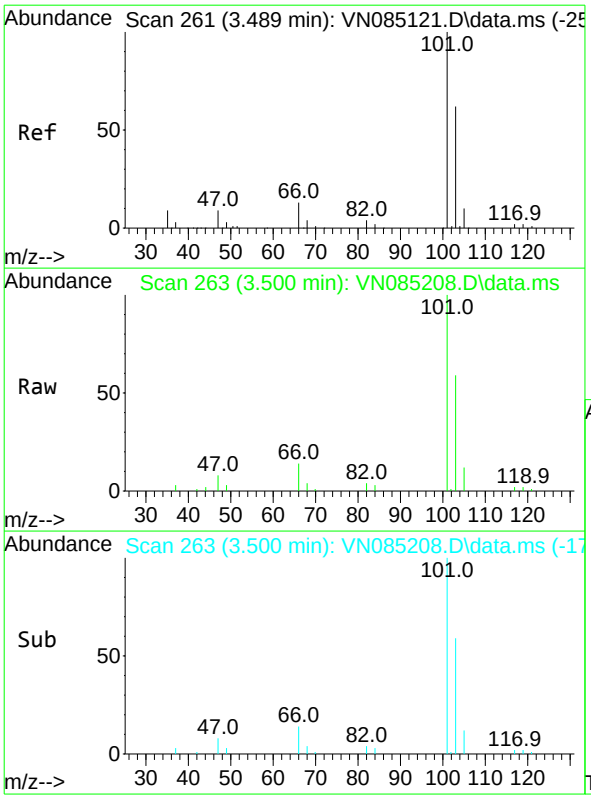


#6
Chloroethane
Concen: 19.893 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 64 Resp: 27287

Ion	Ratio	Lower	Upper
64	100		
66	33.9	25.5	38.3

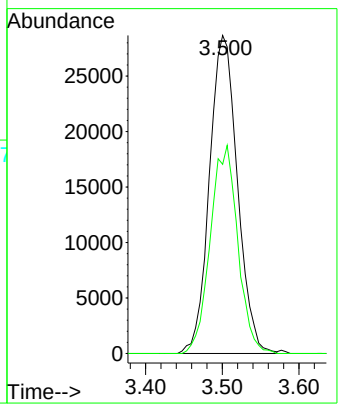




#7
Trichlorofluoromethane
Concen: 19.872 ug/l
RT: 3.500 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:101 Resp: 72626

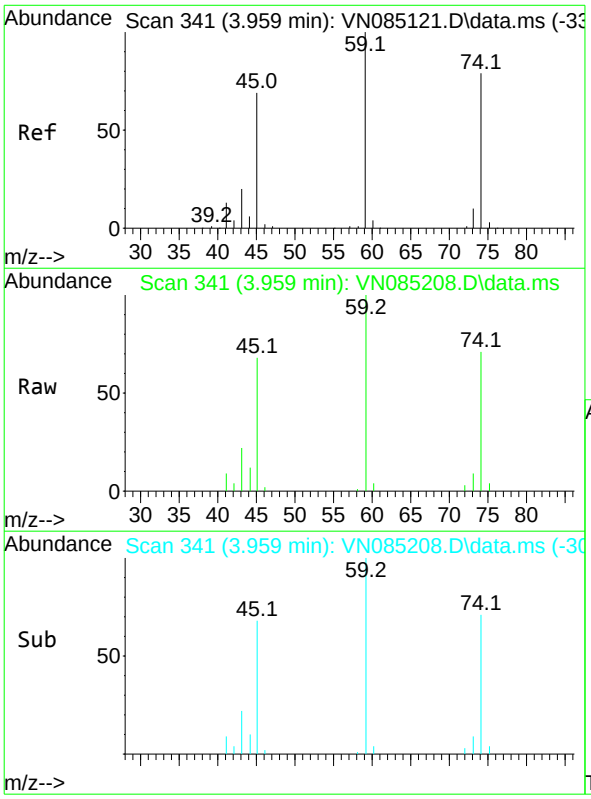
Ion	Ratio	Lower	Upper
101	100		
103	59.5	51.3	76.9



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

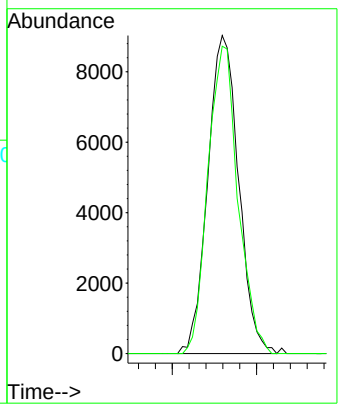
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

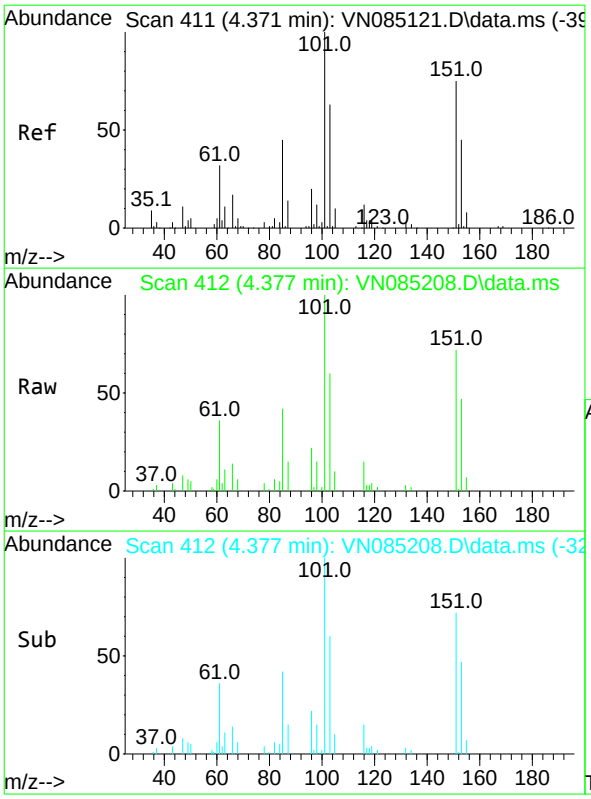


#8
Diethyl Ether
Concen: 19.812 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 74 Resp: 22934

Ion	Ratio	Lower	Upper
74	100		
45	94.4	18.6	167.8

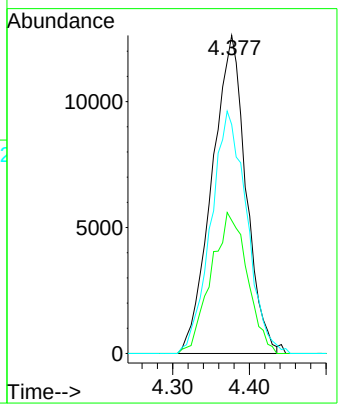




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.044 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:101 Resp: 38921

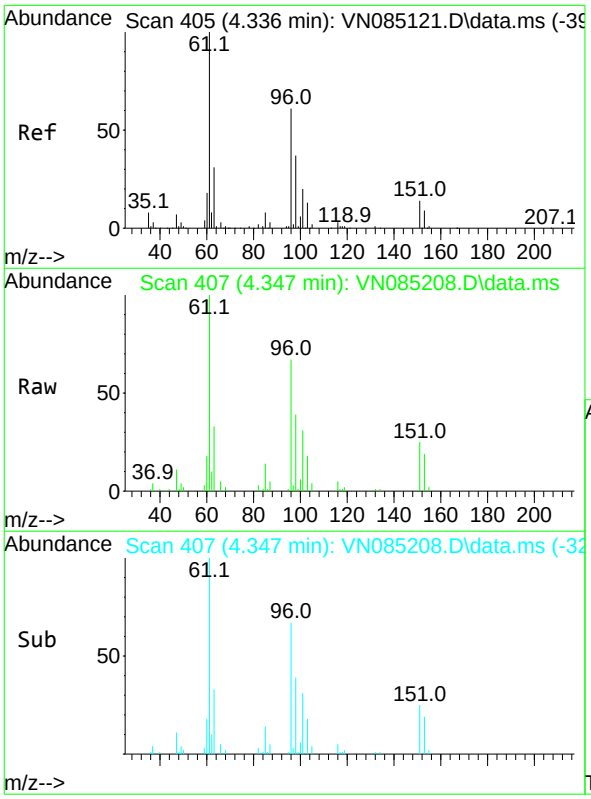
Ion	Ratio	Lower	Upper
101	100		
85	32.3	0.0	88.6
151	80.3	0.0	155.8



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

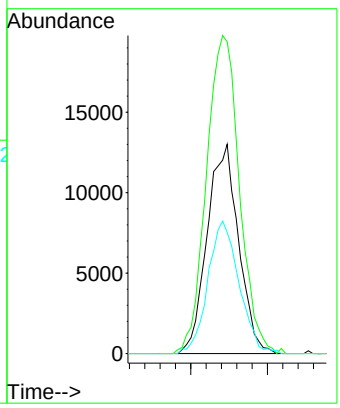
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

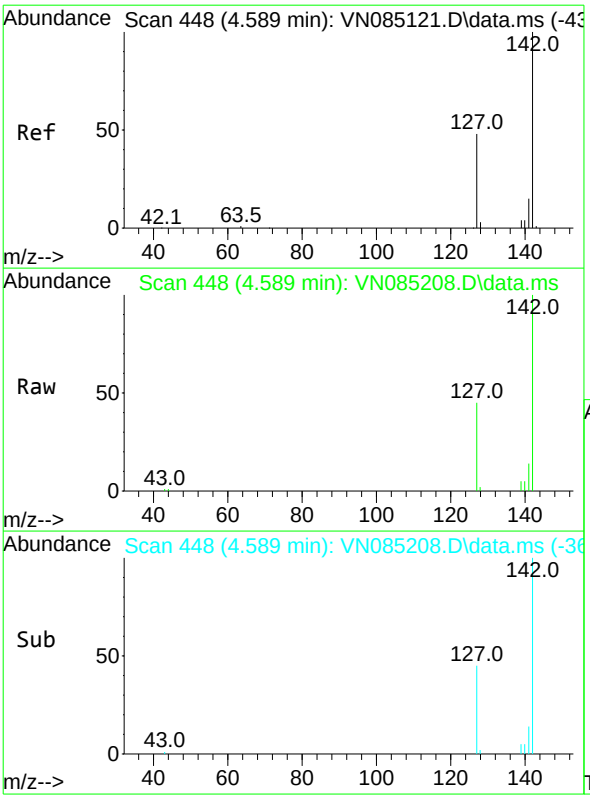


#10
1,1-Dichloroethene
Concen: 19.695 ug/l
RT: 4.347 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 96 Resp: 36972

Ion	Ratio	Lower	Upper
96	100		
61	148.9	123.0	184.4
98	57.8	49.1	73.7

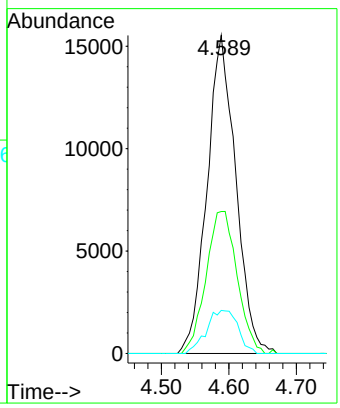




#11
Methyl Iodide
Concen: 17.647 ug/l
RT: 4.589 min Scan# 44
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:142 Resp: 45944

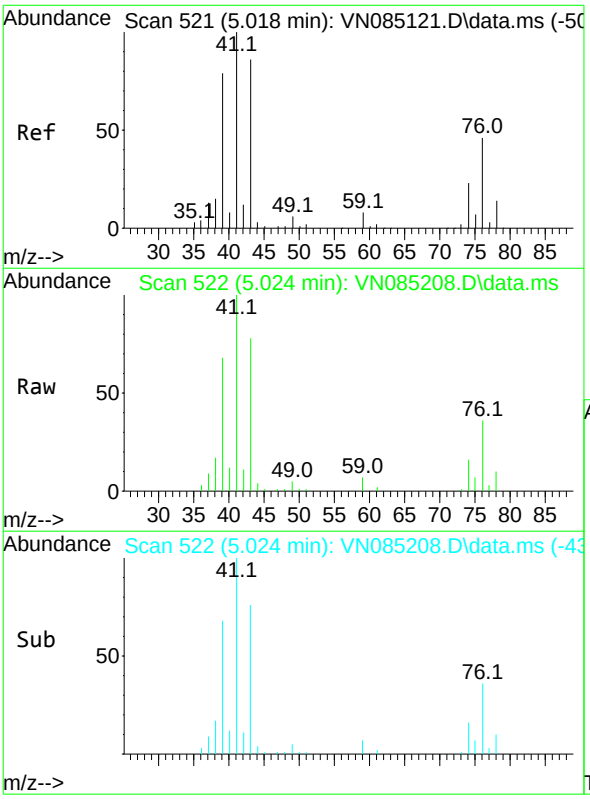
Ion	Ratio	Lower	Upper
142	100		
127	44.6	22.5	67.5
141	13.5	8.3	24.9



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

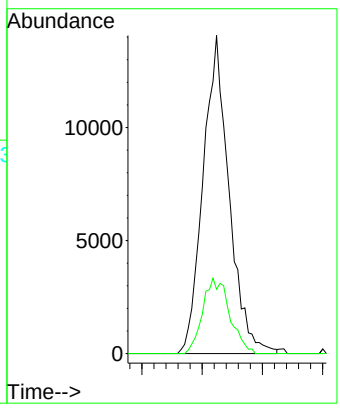
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

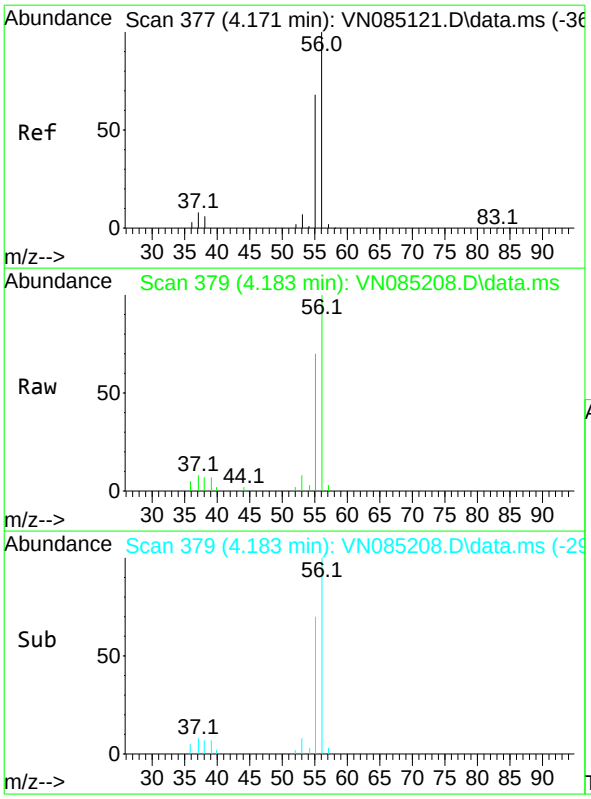


#12
Methyl Acetate
Concen: 19.041 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 43 Resp: 42168

Ion	Ratio	Lower	Upper
43	100		
74	20.3	19.8	29.6

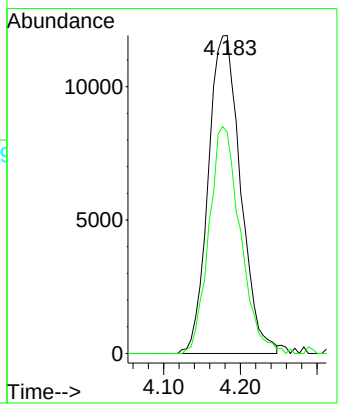




#13
Acrolein
Concen: 108.358 ug/l
RT: 4.183 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 56 Resp: 34873

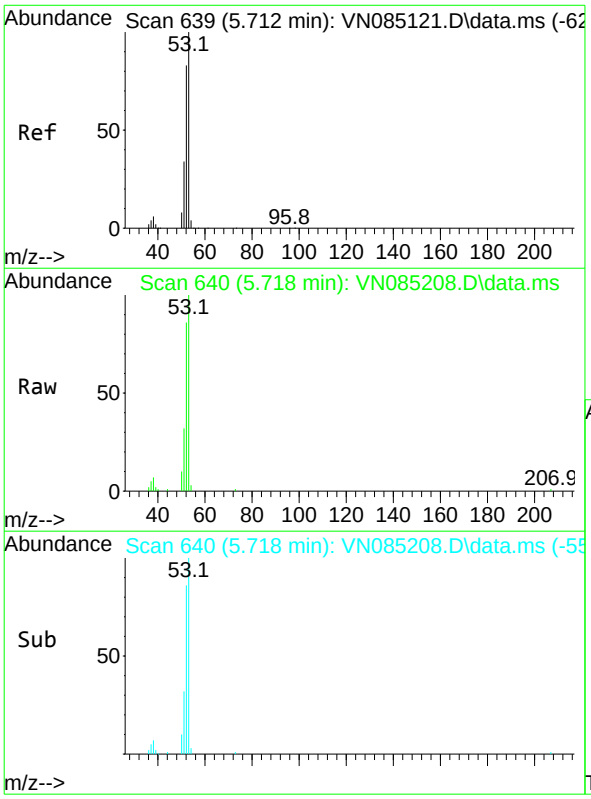
Ion	Ratio	Lower	Upper
56	100		
55	69.0	59.4	89.0



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

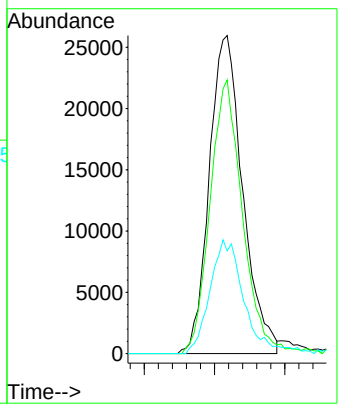
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

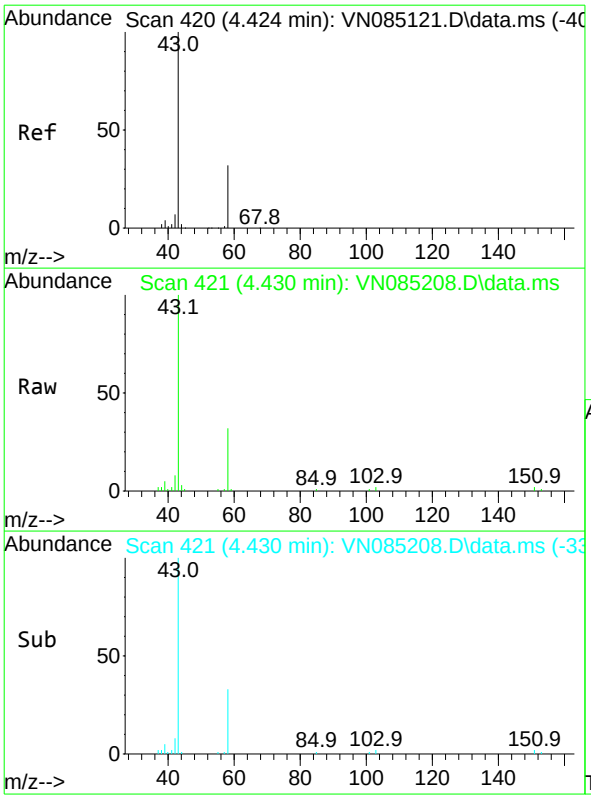


#14
Acrylonitrile
Concen: 93.137 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 53 Resp: 85647

Ion	Ratio	Lower	Upper
53	100		
52	82.7	42.9	128.5
51	35.7	17.2	51.5

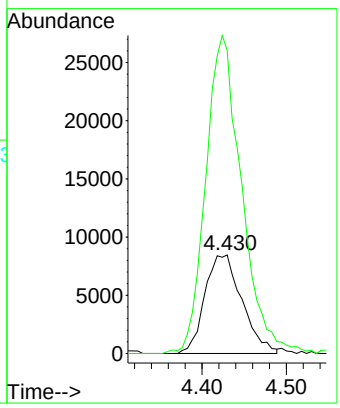




#15
Acetone
Concen: 103.954 ug/l
RT: 4.430 min Scan# 42
Delta R.T. 0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 58 Resp: 25905

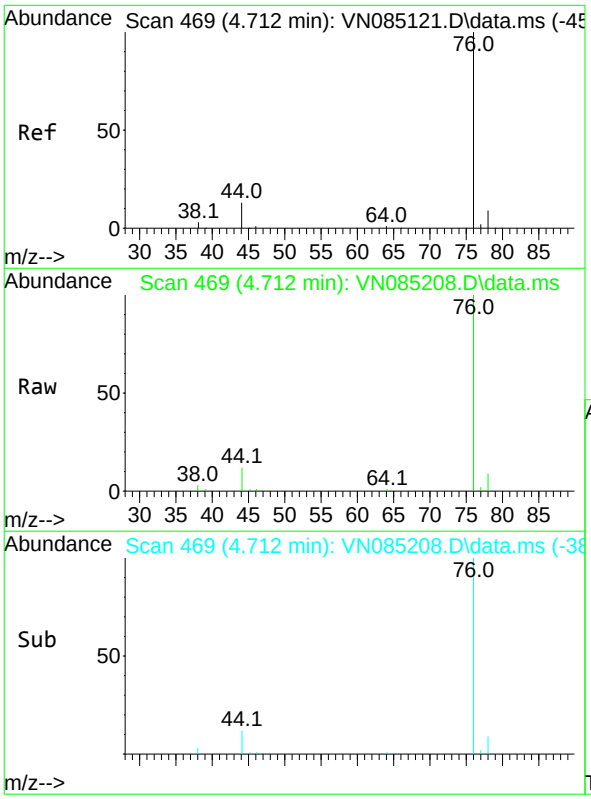
Ion	Ratio	Lower	Upper
58	100		
43	311.0	242.3	363.5



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

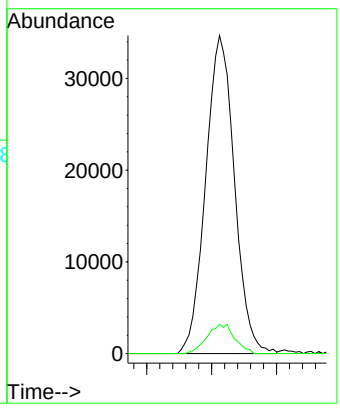
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

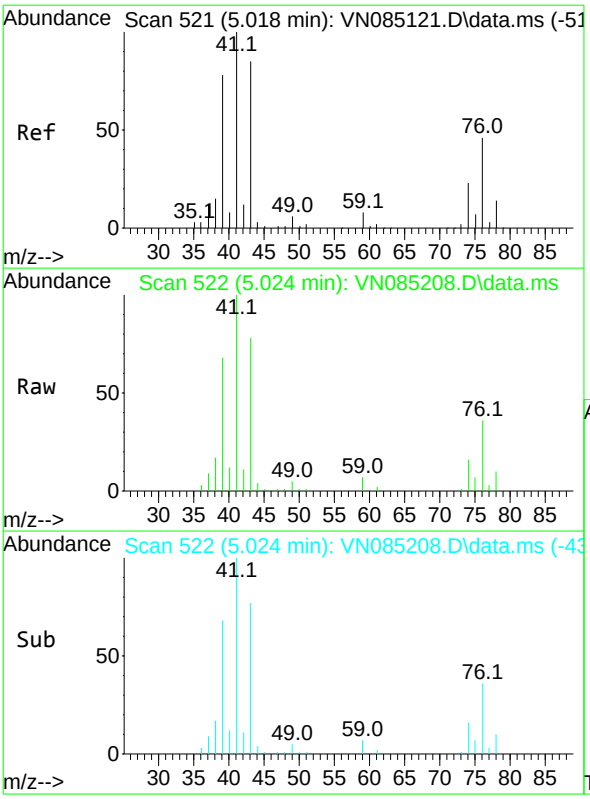


#16
Carbon Disulfide
Concen: 19.057 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 76 Resp: 106931

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

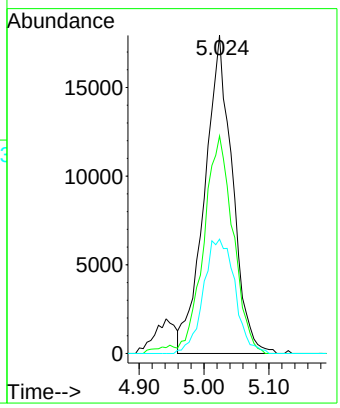




#17
Allyl chloride
Concen: 19.871 ug/l
RT: 5.024 min Scan# 52
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 41 Resp: 53377

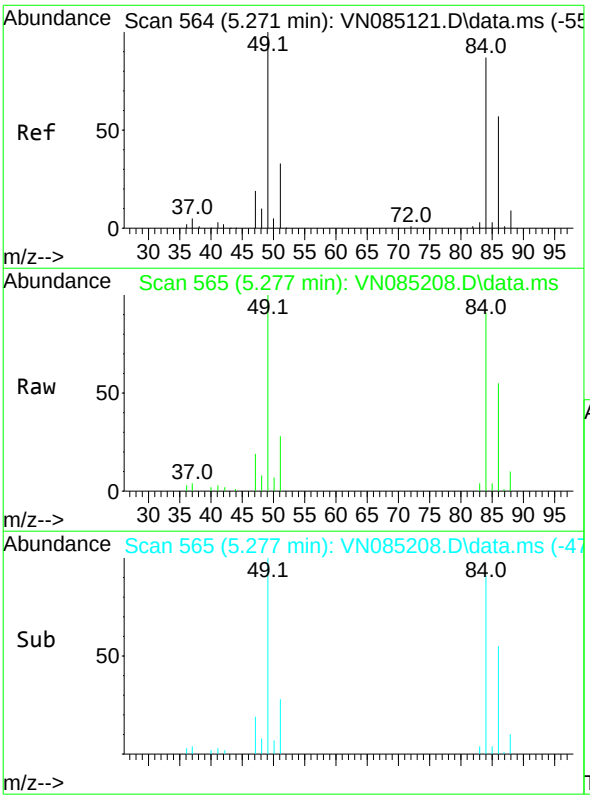
Ion	Ratio	Lower	Upper
41	100		
39	68.4	32.0	96.2
76	35.9	20.2	60.5



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

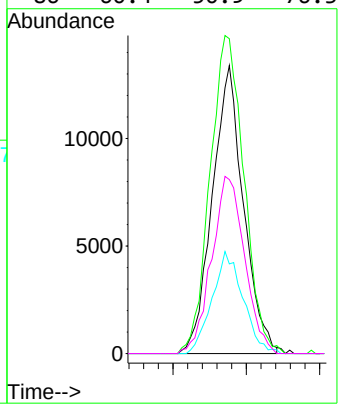
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

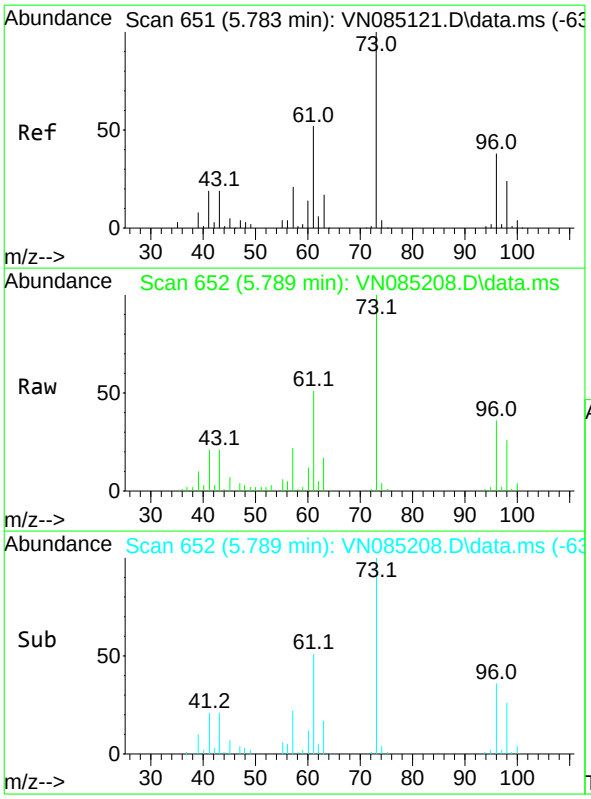


#18
Methylene Chloride
Concen: 18.537 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 84 Resp: 39484

Ion	Ratio	Lower	Upper
84	100		
49	109.3	95.1	142.7
51	31.1	27.4	41.0
86	60.4	50.9	76.3

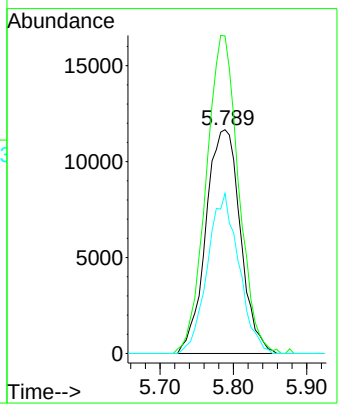




#19
trans-1,2-Dichloroethene
Concen: 19.519 ug/l
RT: 5.789 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 96 Resp: 38087

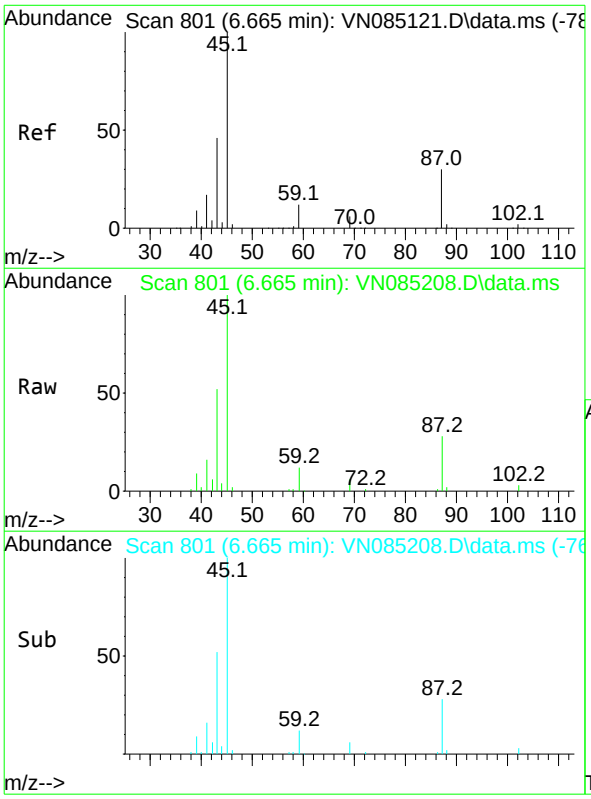
Ion	Ratio	Lower	Upper
96	100		
61	140.1	100.4	150.6
98	71.5	52.6	79.0



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

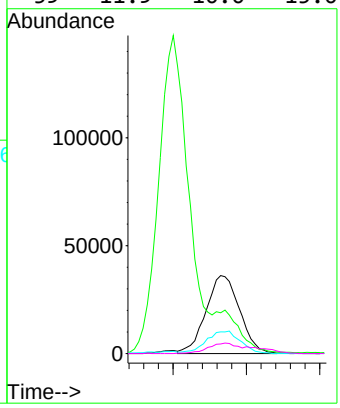
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

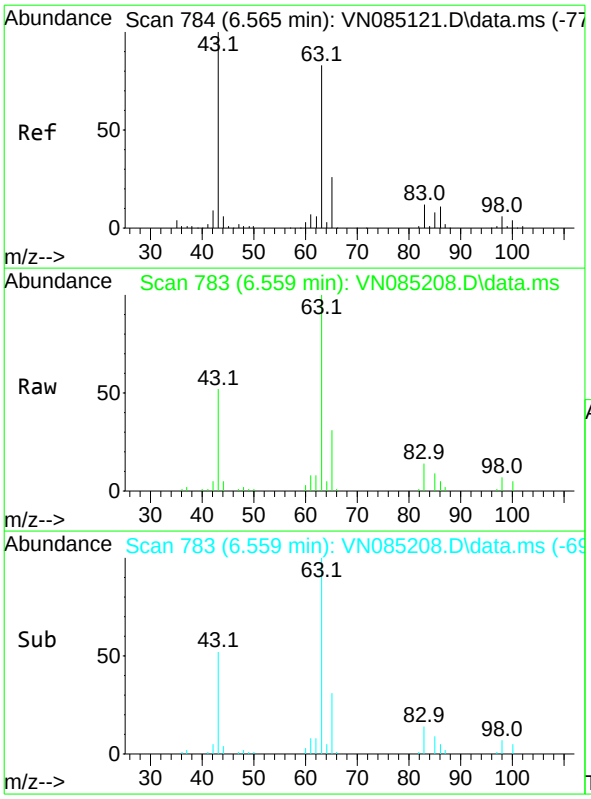


#20
Diisopropyl ether
Concen: 19.573 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 45 Resp: 115380

Ion	Ratio	Lower	Upper
45	100		
43	50.4	41.9	62.9
87	28.0	24.1	36.1
59	11.9	10.0	15.0

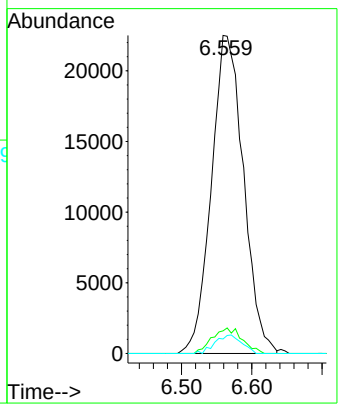




#21
1,1-Dichloroethane
Concen: 19.601 ug/l
RT: 6.559 min Scan# 78
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 63 Resp: 71315

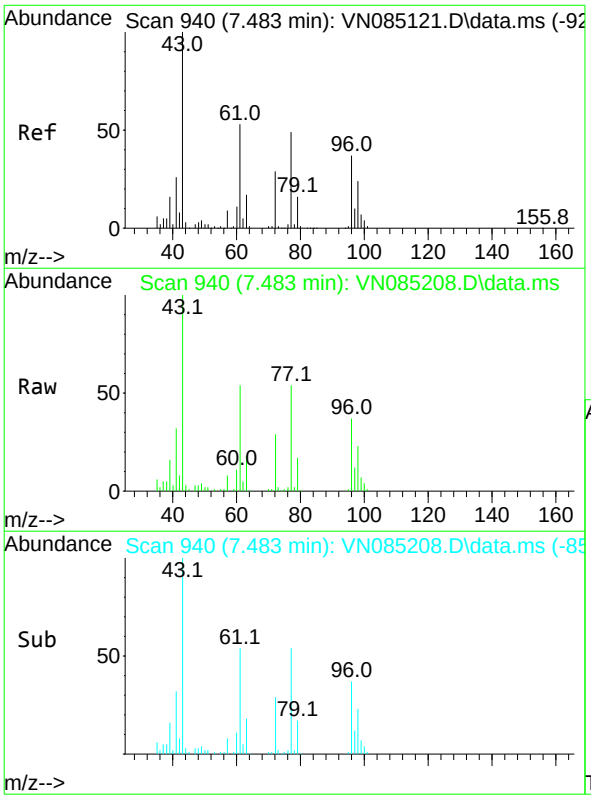
Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.5	10.4
100	4.6	1.6	4.8



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

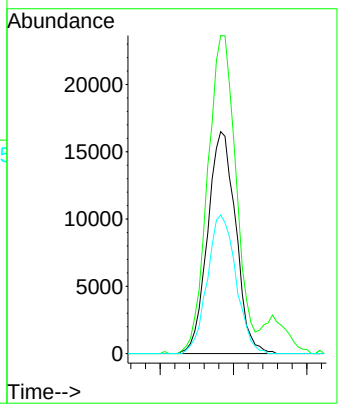
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

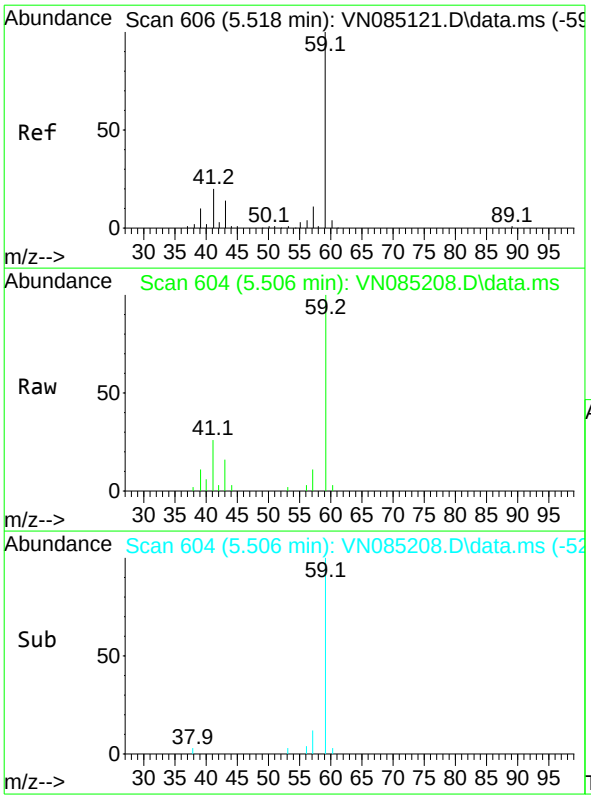


#22
cis-1,2-Dichloroethene
Concen: 19.576 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 96 Resp: 43904

Ion	Ratio	Lower	Upper
96	100		
61	144.6	115.9	173.9
98	63.6	51.8	77.8

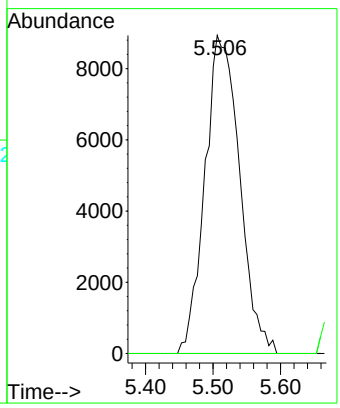




#23
tert-Butyl Alcohol
Concen: 96.694 ug/l
RT: 5.506 min Scan# 60
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 59 Resp: 31898

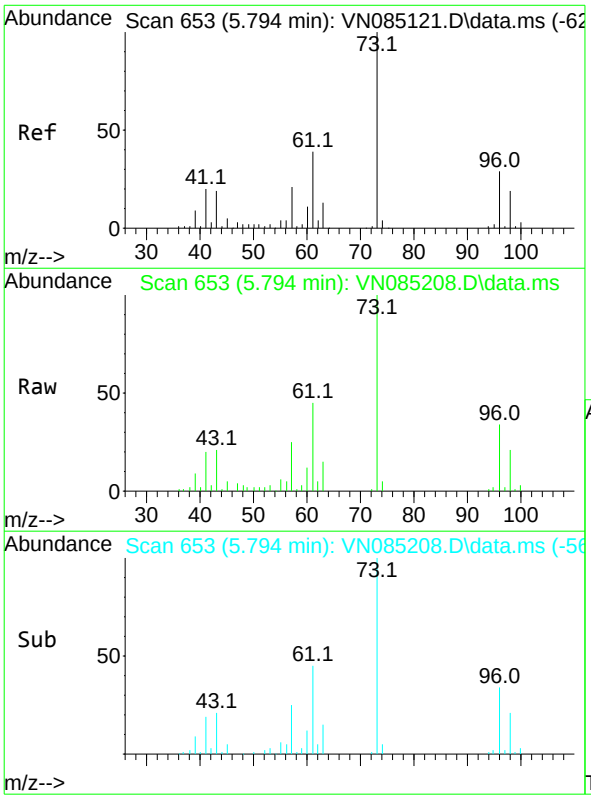
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

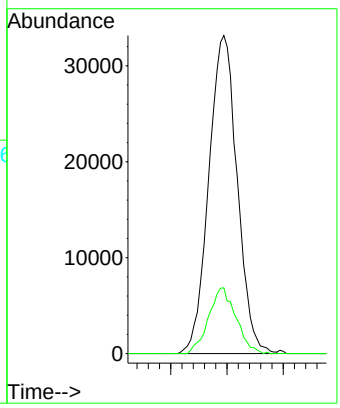
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

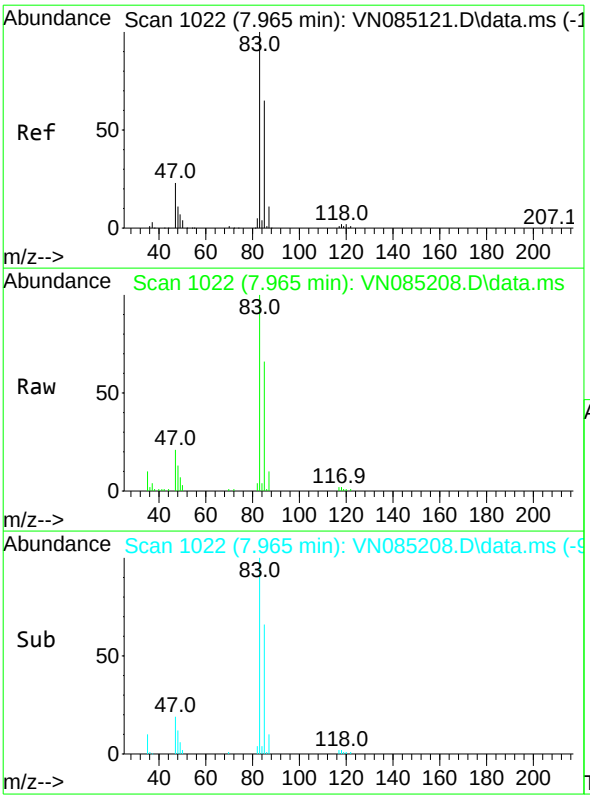


#24
Methyl tert-Butyl Ether
Concen: 19.863 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 73 Resp: 116497

Ion	Ratio	Lower	Upper
73	100		
43	19.8	8.7	13.1#

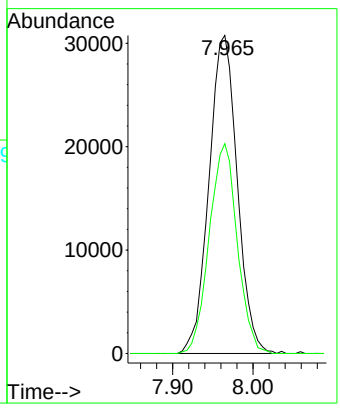




#25
Chloroform
Concen: 19.757 ug/l
RT: 7.965 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 83 Resp: 75307

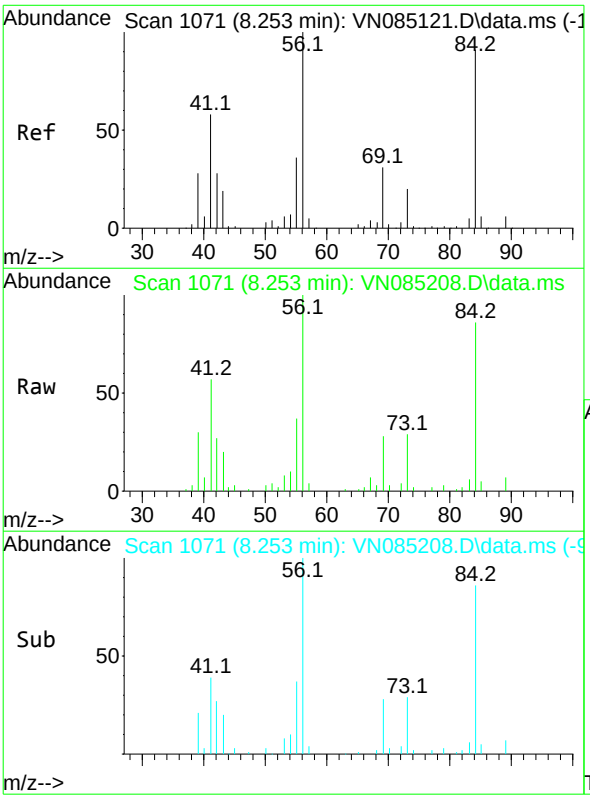
Ion	Ratio	Lower	Upper
83	100		
85	66.0	49.4	74.0



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

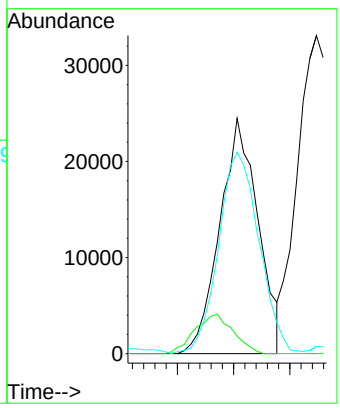
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

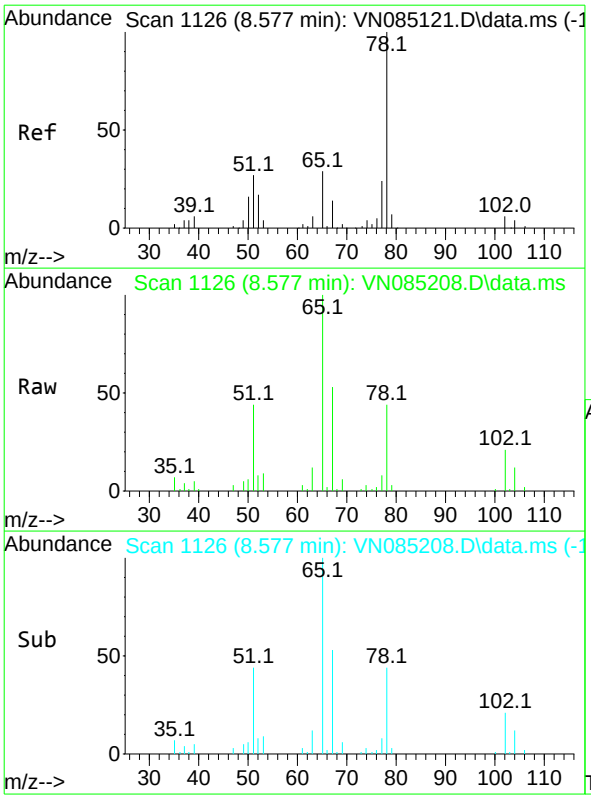


#26
Cyclohexane
Concen: 19.340 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 56 Resp: 57940

Ion	Ratio	Lower	Upper
56	100		
89	16.8	19.5	29.3#
84	90.7	70.6	105.8

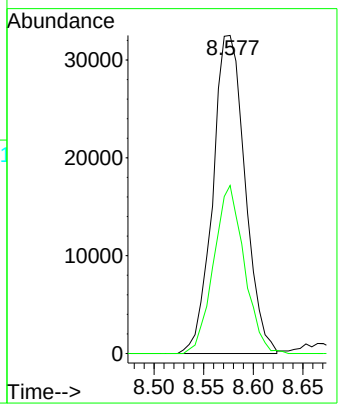




#27
1,2-Dichloroethane-d4
Concen: 30.028 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 65 Resp: 73444

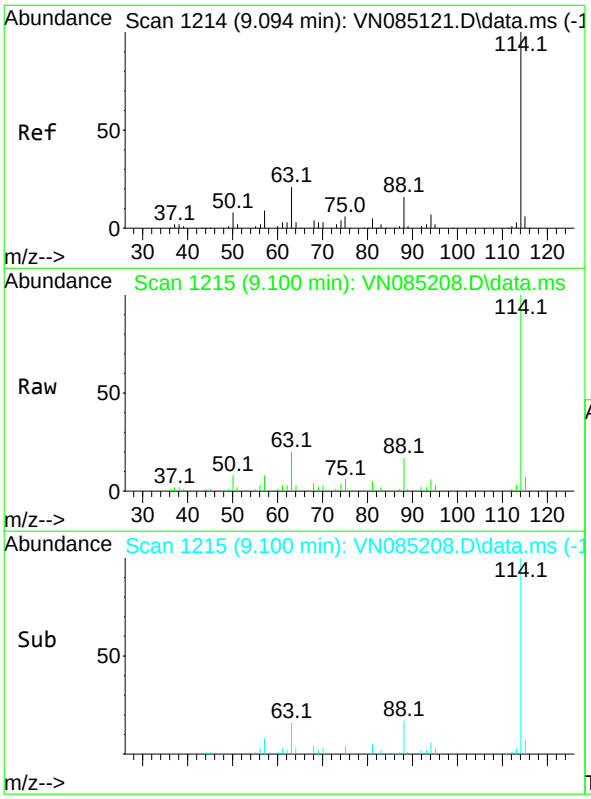
Ion	Ratio	Lower	Upper
65	100		
67	49.8	39.9	59.9



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

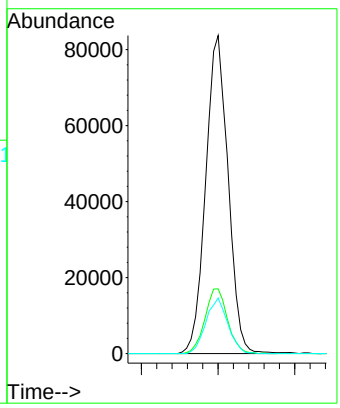
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

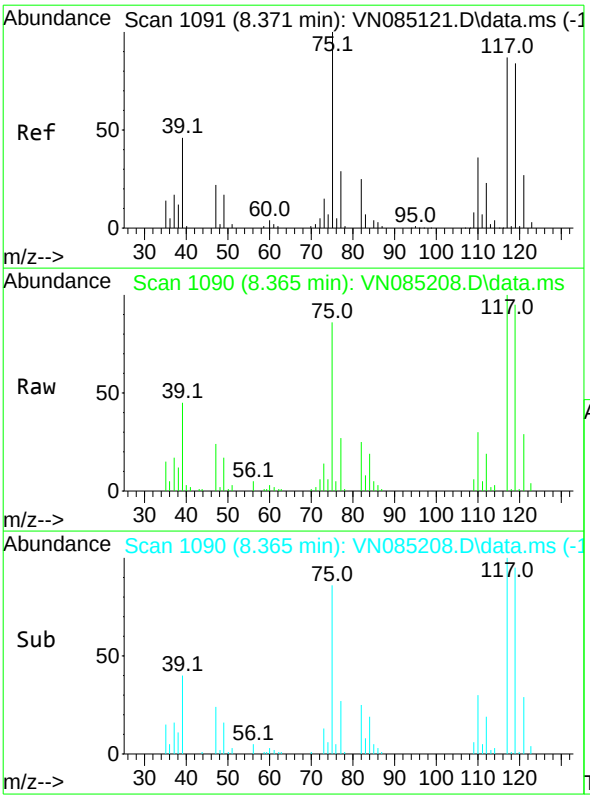


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:114 Resp: 169823

Ion	Ratio	Lower	Upper
114	100		
63	20.5	16.2	24.2
88	17.0	12.5	18.7

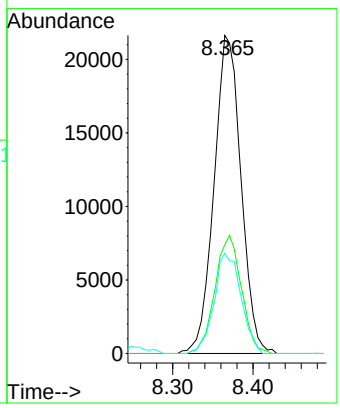




#29
1,1-Dichloropropene
Concen: 18.361 ug/l
RT: 8.365 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 75 Resp: 50315

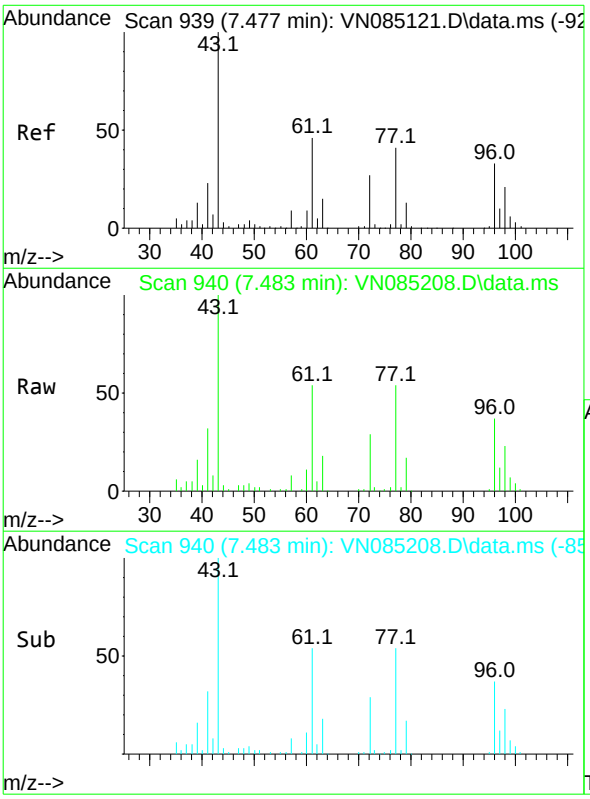
Ion	Ratio	Lower	Upper
75	100		
110	36.4	0.0	71.6
77	31.7	0.0	62.2



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

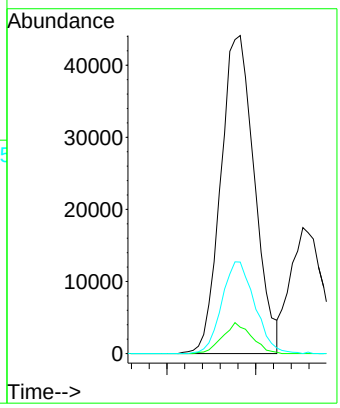
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

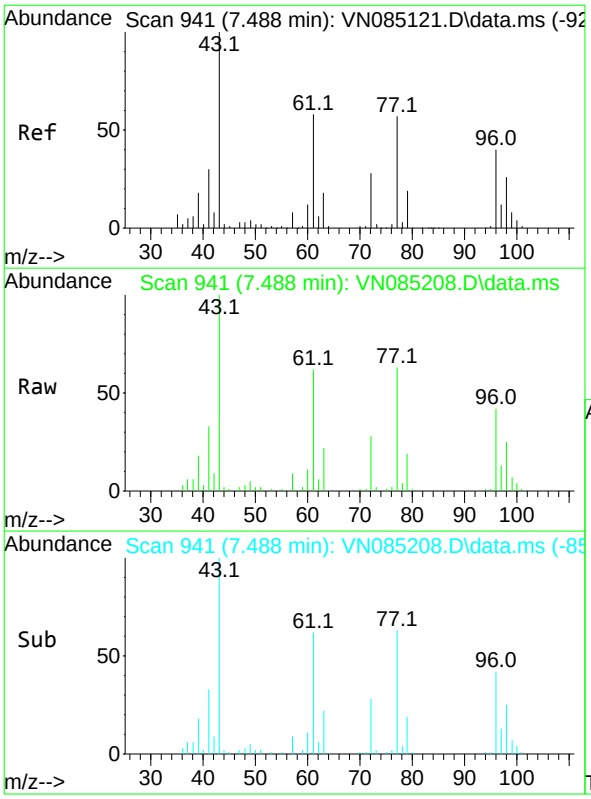


#30
2-Butanone
Concen: 92.579 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 43 Resp: 116422

Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.9	10.3
72	28.2	21.8	32.8

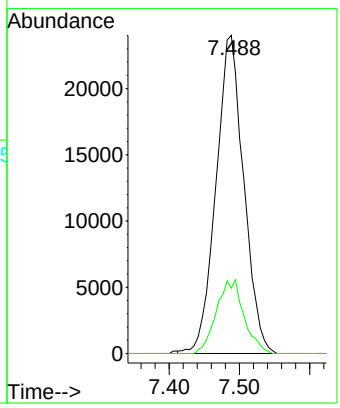




#31
2,2-Dichloropropane
Concen: 18.711 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 77 Resp: 65751

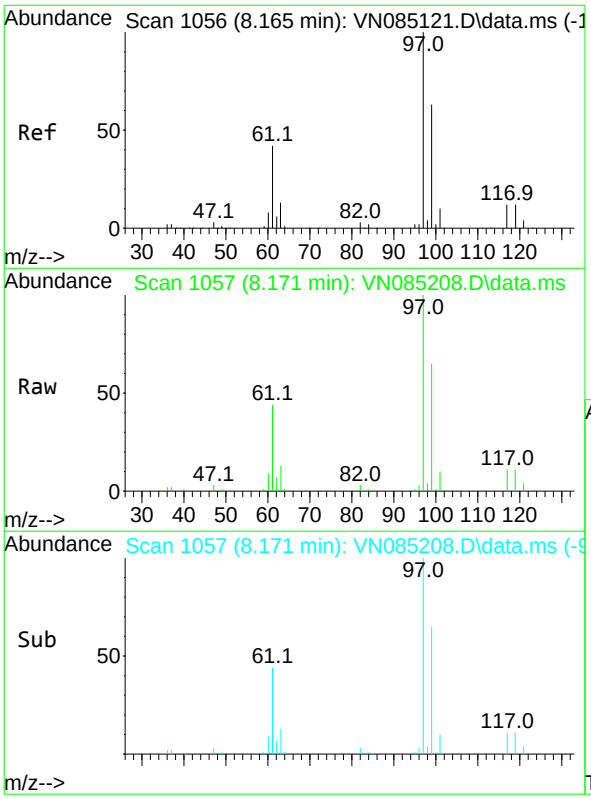
Ion	Ratio	Lower	Upper
77	100		
97	23.1	0.0	0.0#



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

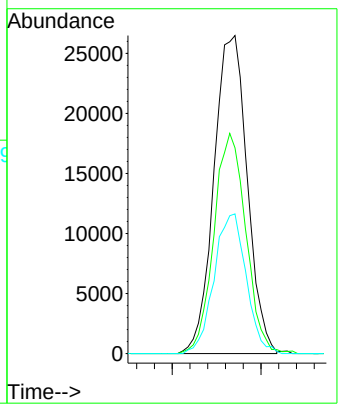
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

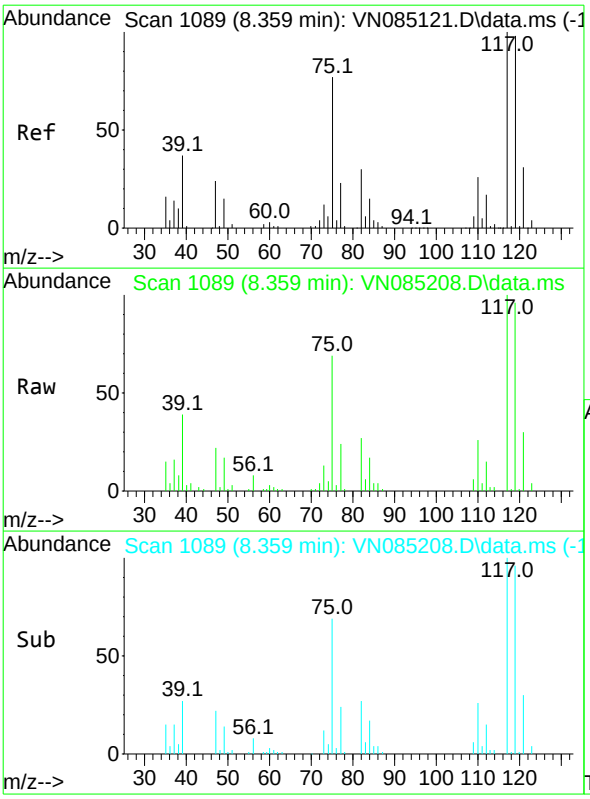


#32
1,1,1-Trichloroethane
Concen: 18.605 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 97 Resp: 69008

Ion	Ratio	Lower	Upper
97	100		
99	66.2	50.8	76.2
61	42.3	32.7	49.1

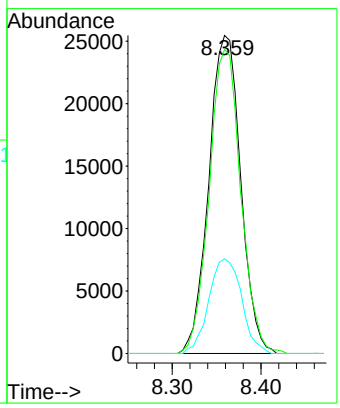




#33
Carbon Tetrachloride
Concen: 18.985 ug/l
RT: 8.359 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:117 Resp: 63544

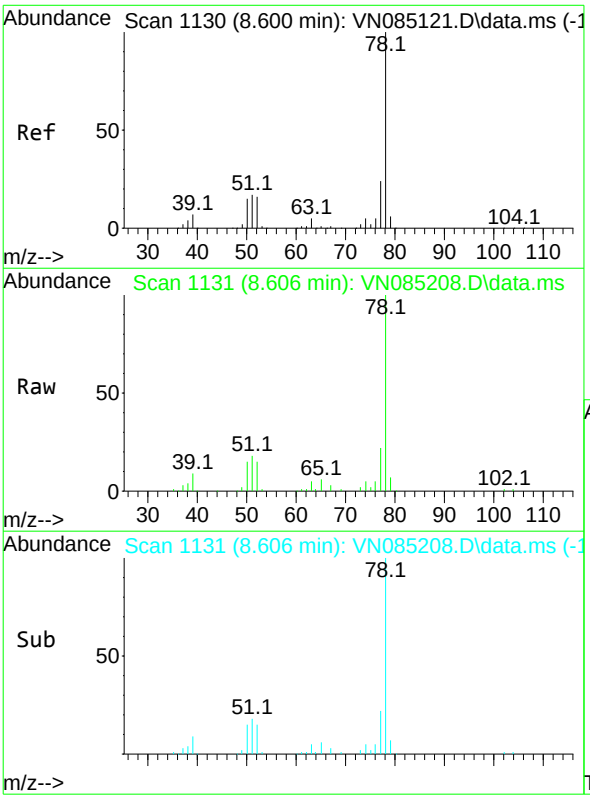
Ion	Ratio	Lower	Upper
117	100		
119	95.6	81.6	122.4
121	29.7	26.5	39.7



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

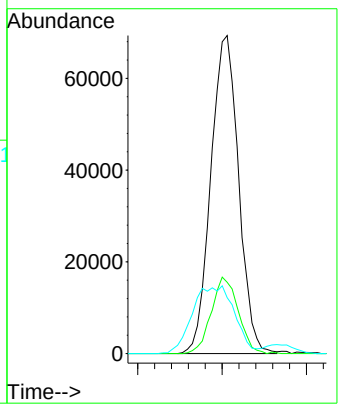
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

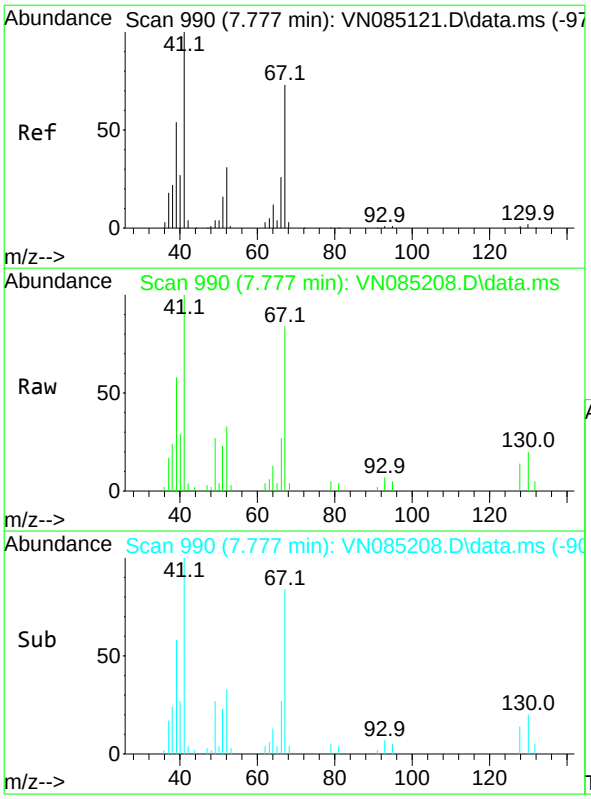


#34
Benzene
Concen: 18.431 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 78 Resp: 158668

Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.0	27.0
51	15.0	12.4	18.6

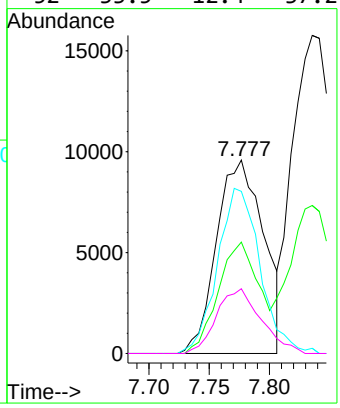




#35
Methacrylonitrile
Concen: 18.445 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 41 Resp: 26103

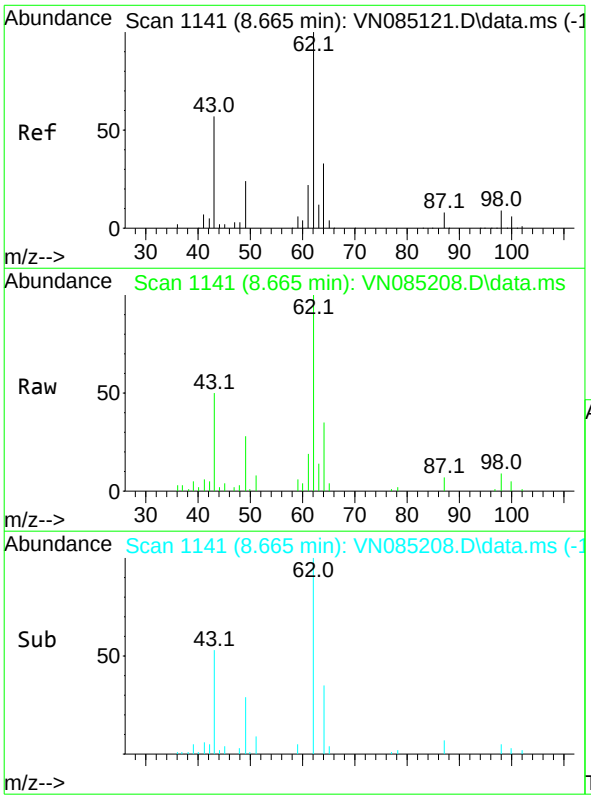
Ion	Ratio	Lower	Upper
41	100		
39	57.6	24.4	73.2
67	83.8	37.0	110.9
52	33.5	12.4	37.2



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

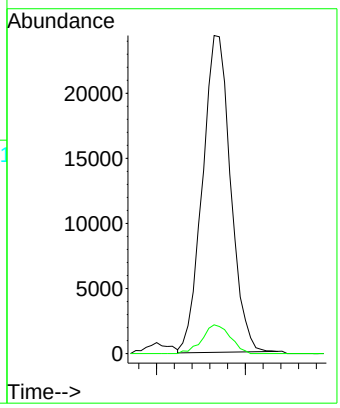
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

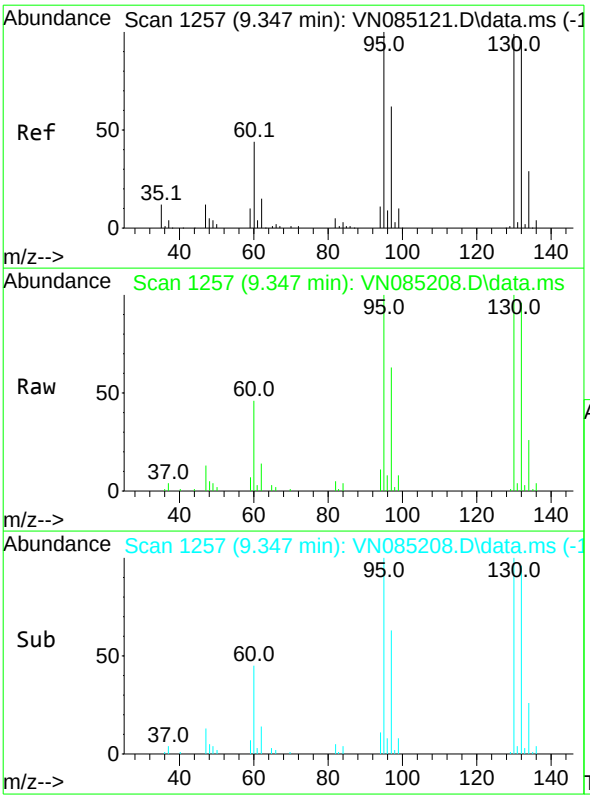


#36
1,2-Dichloroethane
Concen: 18.273 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 62 Resp: 53550

Ion	Ratio	Lower	Upper
62	100		
98	9.1	7.3	10.9

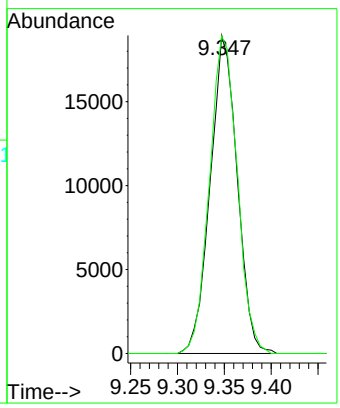




#37
Trichloroethene
Concen: 18.494 ug/l
RT: 9.347 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:130 Resp: 37914

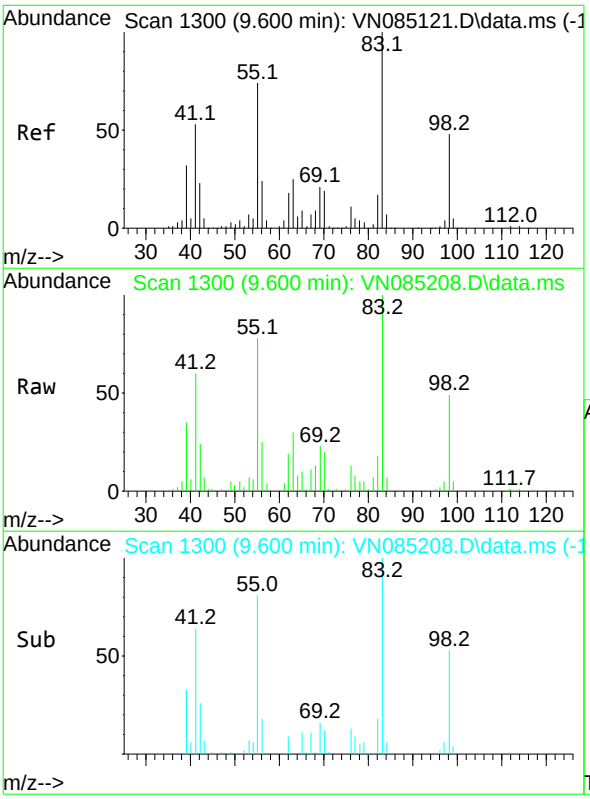
Ion	Ratio	Lower	Upper
130	100		
95	99.8	76.2	114.4



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

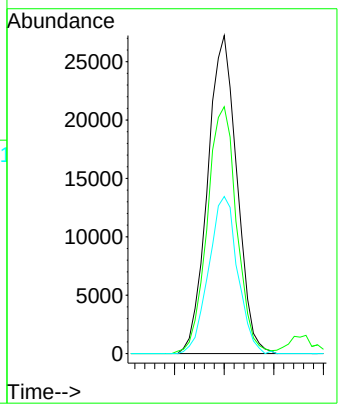
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

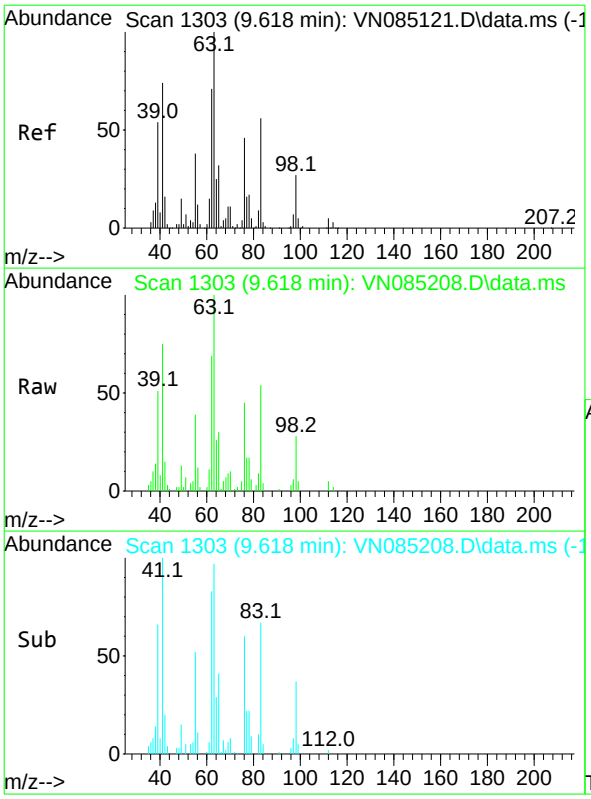


#38
Methylcyclohexane
Concen: 18.747 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 83 Resp: 55860

Ion	Ratio	Lower	Upper
83	100		
55	77.8	41.4	124.4
98	48.7	25.7	77.1

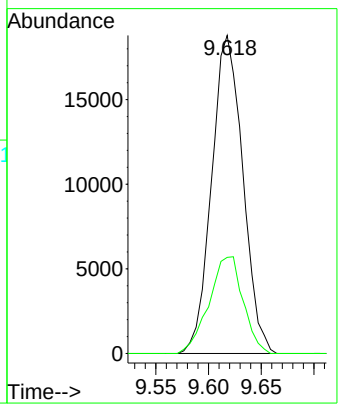




#39
1,2-Dichloropropane
Concen: 18.527 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 63 Resp: 38631

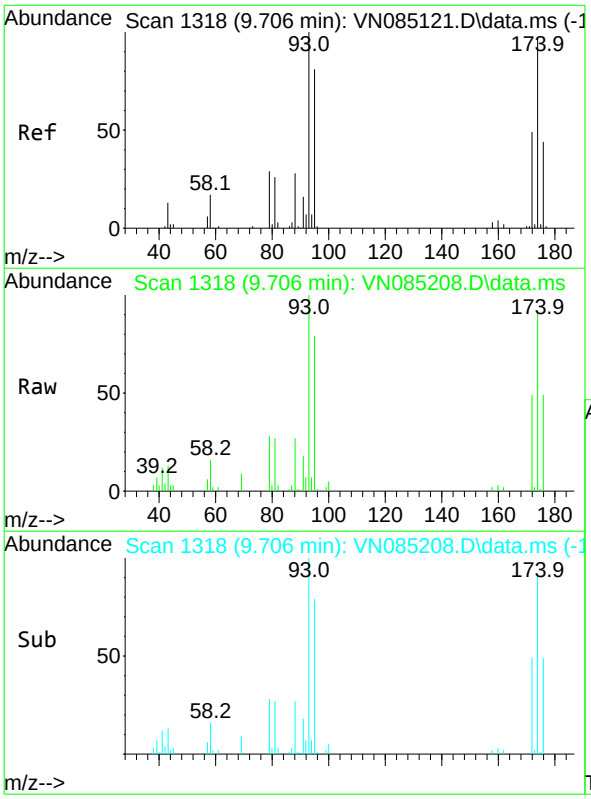
Ion	Ratio	Lower	Upper
63	100		
65	30.2	23.4	35.0



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

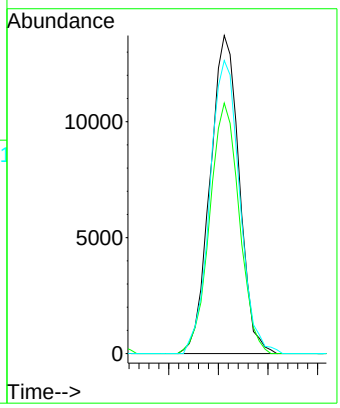
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

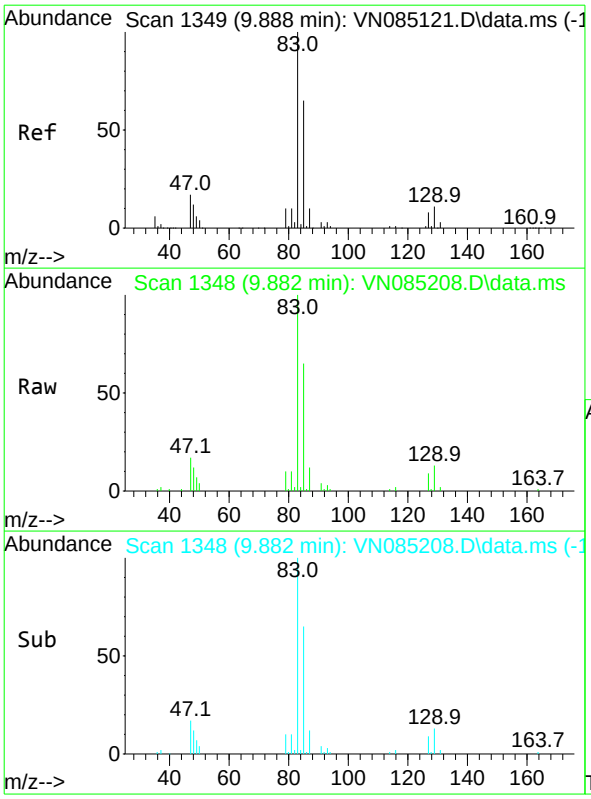


#40
Dibromomethane
Concen: 18.712 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 93 Resp: 27987

Ion	Ratio	Lower	Upper
93	100		
95	79.8	0.0	169.4
174	94.2	0.0	189.8

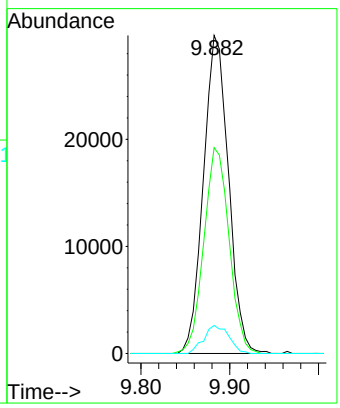




#41
Bromodichloromethane
Concen: 18.262 ug/l
RT: 9.882 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 83 Resp: 58391

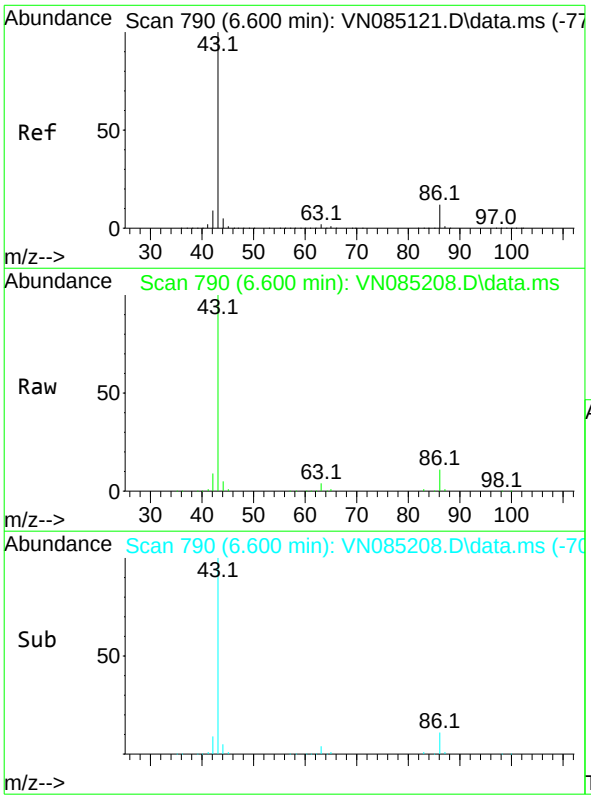
Ion	Ratio	Lower	Upper
83	100		
85	64.7	54.6	81.8
127	8.8	7.0	10.6



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

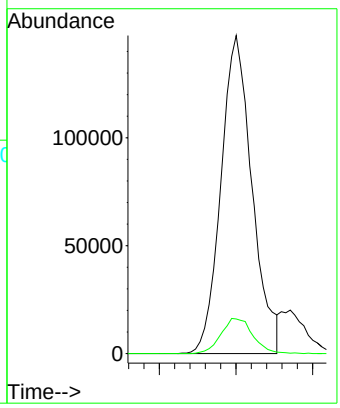
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

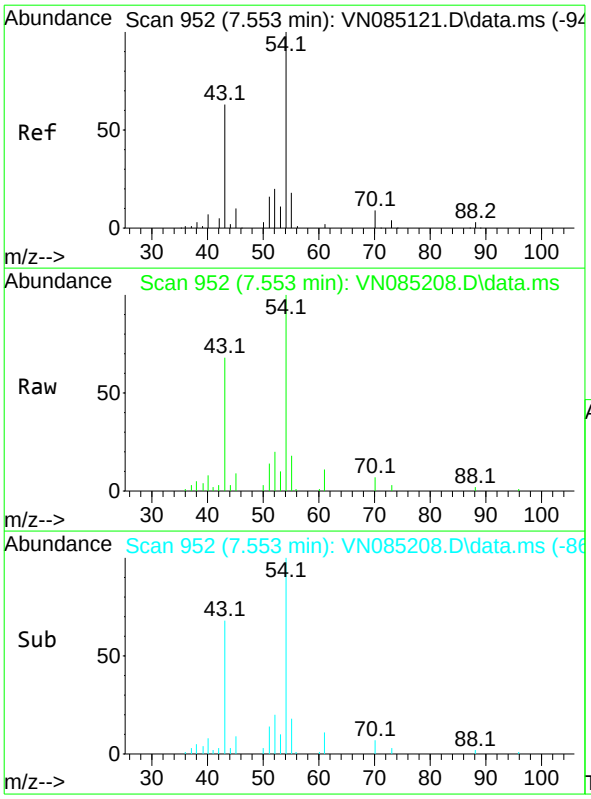


#42
Vinyl Acetate
Concen: 94.564 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 43 Resp: 416125

Ion	Ratio	Lower	Upper
43	100		
86	11.3	9.2	13.8

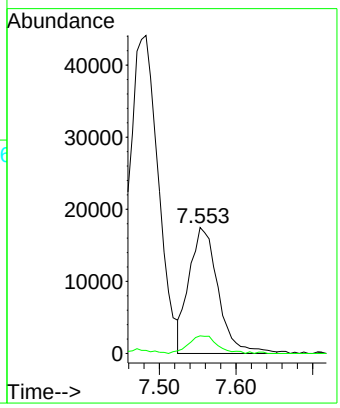




#43
Ethyl Acetate
Concen: 18.415 ug/l
RT: 7.553 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 43 Resp: 46077

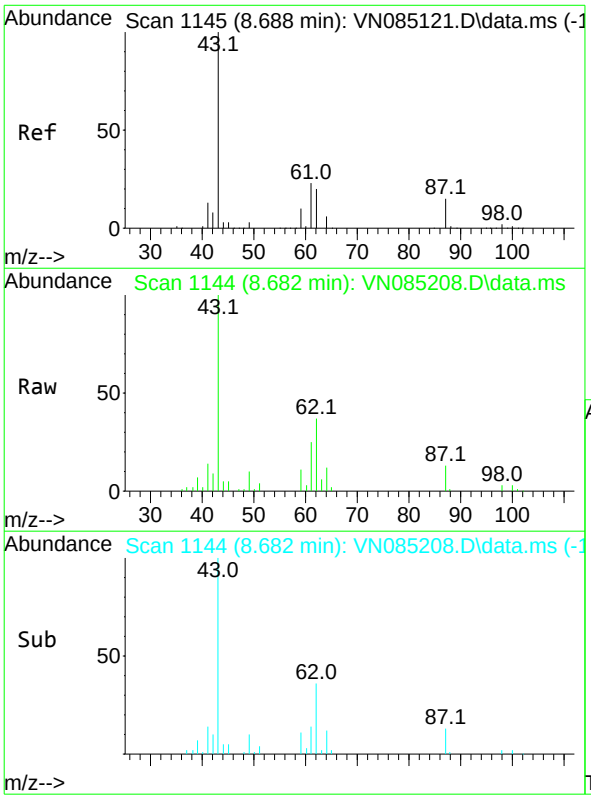
Ion	Ratio	Lower	Upper
43	100		
45	13.3	13.3	19.9



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

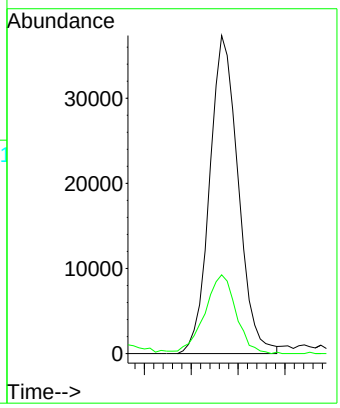
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

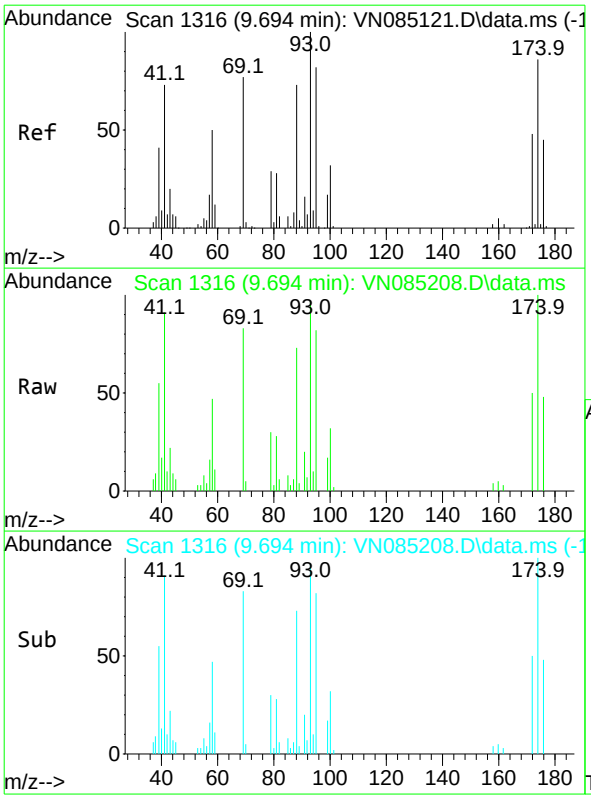


#44
Isopropyl Acetate
Concen: 18.196 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 43 Resp: 79121

Ion	Ratio	Lower	Upper
43	100		
61	27.0	21.5	32.3

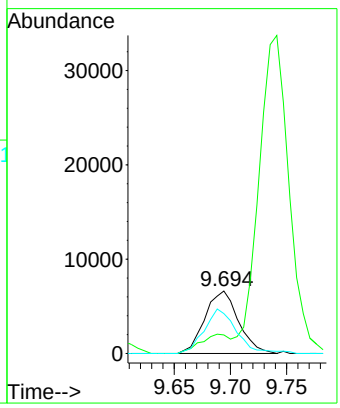




#45
1,4-Dioxane
Concen: 379.179 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 88 Resp: 13749

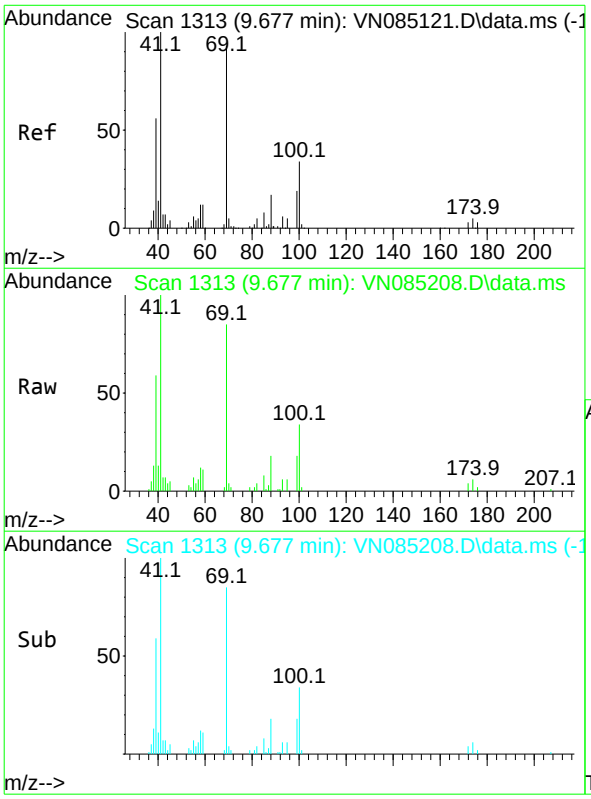
Ion	Ratio	Lower	Upper
88	100		
43	27.0	21.7	32.5
58	67.7	52.6	79.0



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

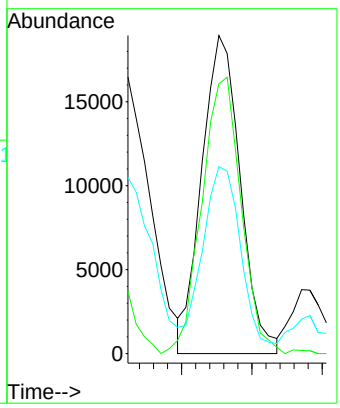
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

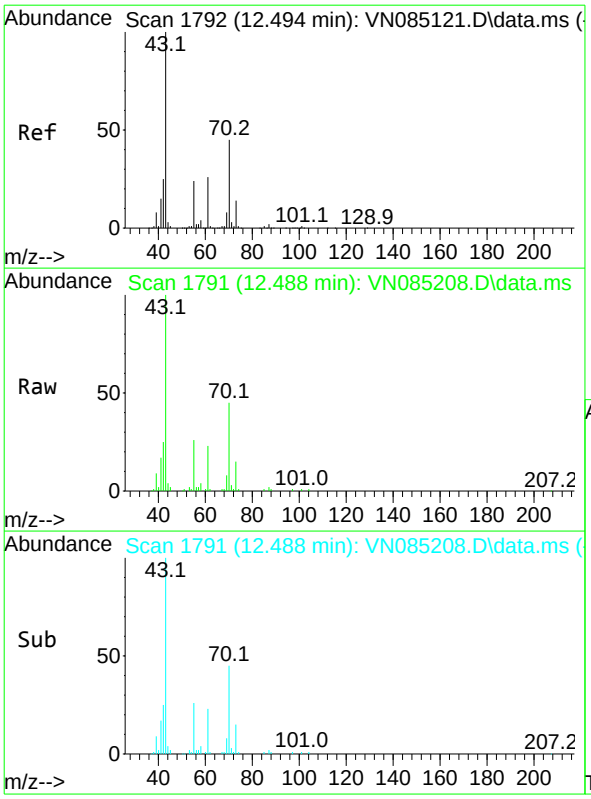


#46
Methyl methacrylate
Concen: 18.146 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 41 Resp: 36110

Ion	Ratio	Lower	Upper
41	100		
69	87.0	46.7	140.0
39	58.4	28.5	85.5

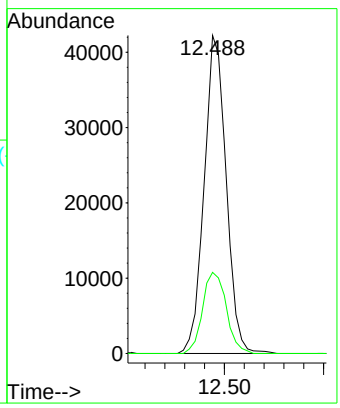




#47
n-amyl Acetate
Concen: 17.803 ug/l
RT: 12.488 min Scan# 17
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 43 Resp: 65132

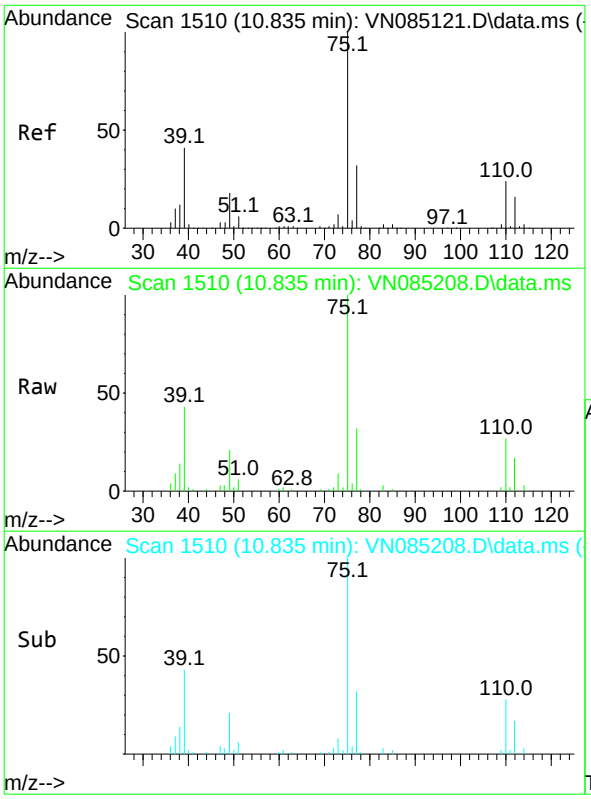
Ion	Ratio	Lower	Upper
43	100		
55	27.5	23.3	34.9



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

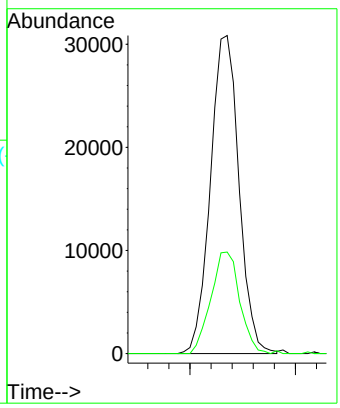
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

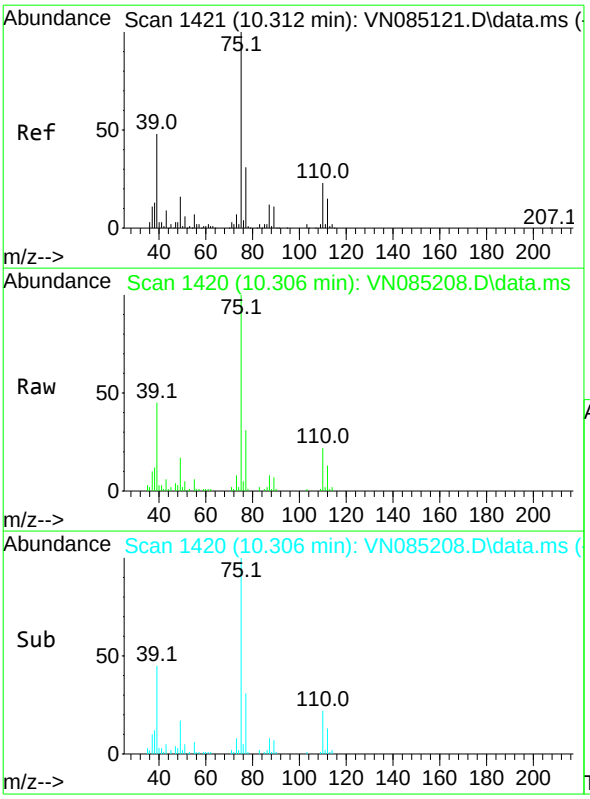


#48
t-1,3-Dichloropropene
Concen: 18.453 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 75 Resp: 57919

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3

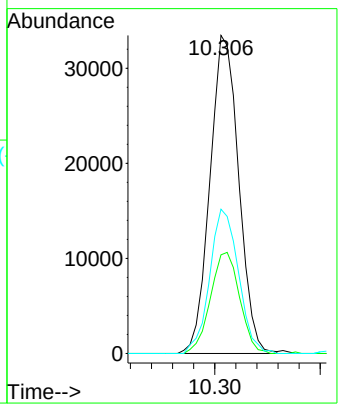




#49
cis-1,3-Dichloropropene
Concen: 18.535 ug/l
RT: 10.306 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 75 Resp: 63332

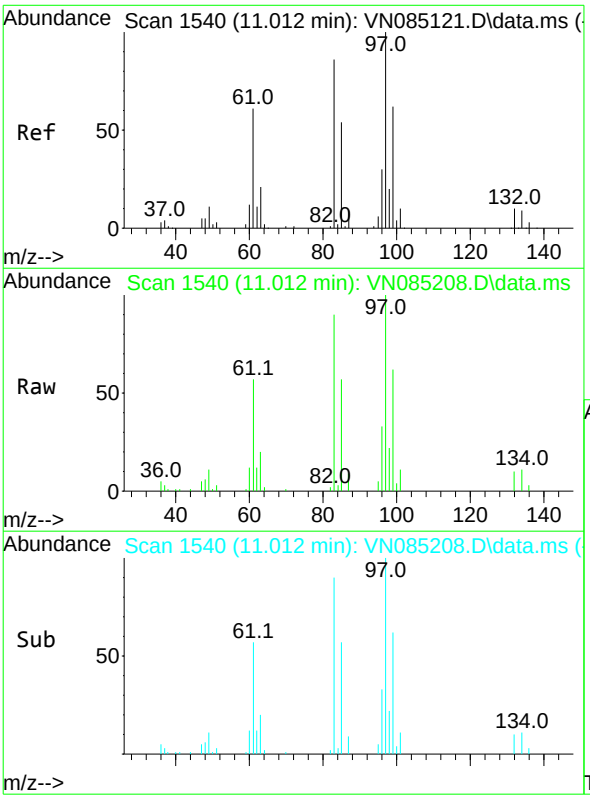
Ion	Ratio	Lower	Upper
75	100		
77	31.0	23.8	35.6
39	45.4	37.3	55.9



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

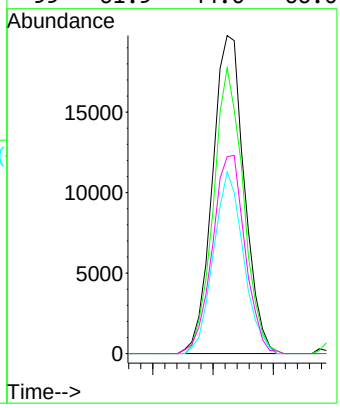
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

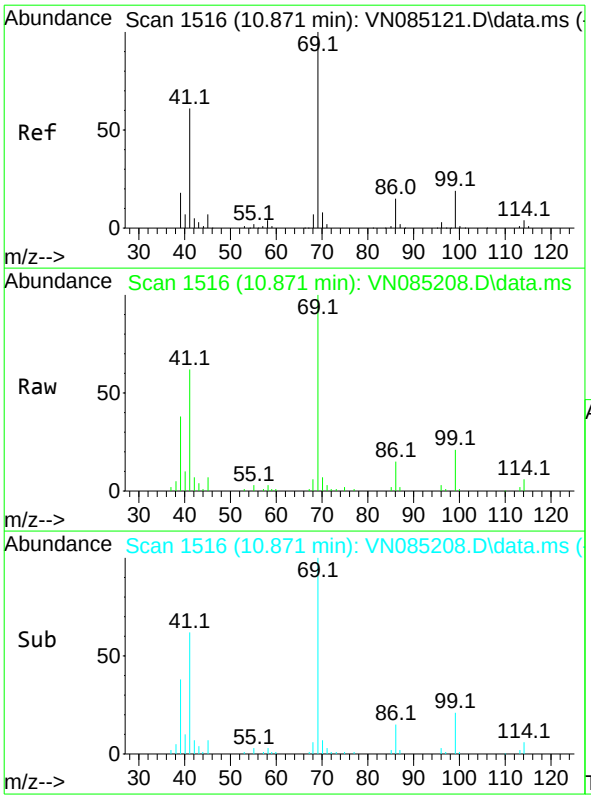


#50
1,1,2-Trichloroethane
Concen: 18.046 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 97 Resp: 36370

Ion	Ratio	Lower	Upper
97	100		
83	89.8	65.8	98.8
85	57.1	40.8	61.2
99	61.9	44.0	66.0

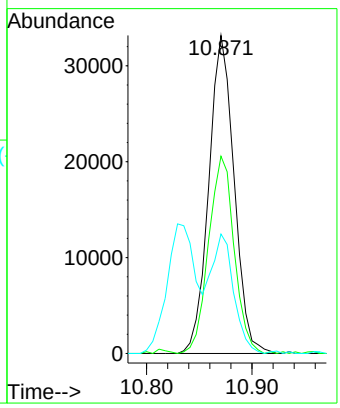




#51
Ethyl methacrylate
Concen: 18.076 ug/l
RT: 10.871 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 69 Resp: 55409

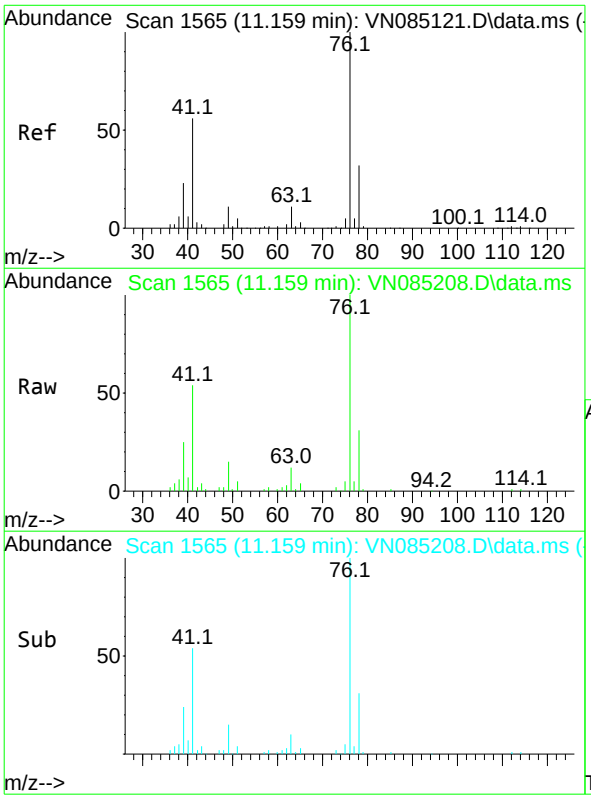
Ion	Ratio	Lower	Upper
69	100		
41	62.0	32.1	96.3
39	36.8	18.8	56.4



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

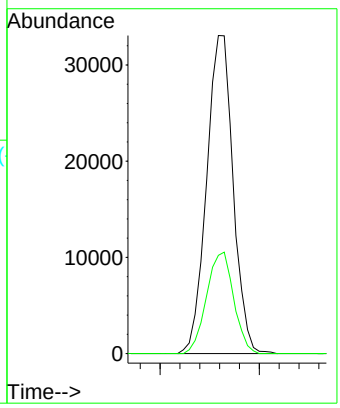
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

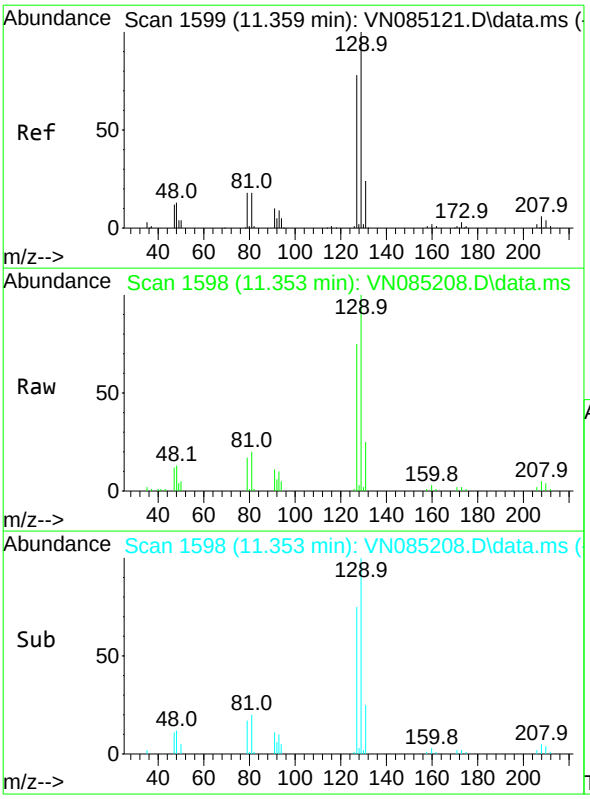


#52
1,3-Dichloropropane
Concen: 18.210 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 76 Resp: 61421

Ion	Ratio	Lower	Upper
76	100		
78	32.5	0.0	65.6

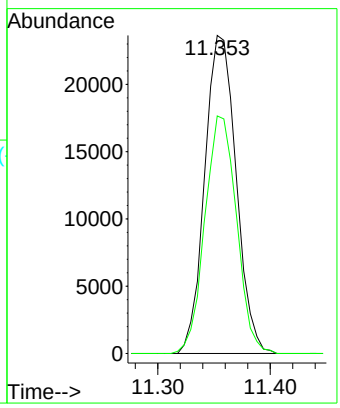




#53
Dibromochloromethane
Concen: 18.708 ug/l
RT: 11.353 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:129 Resp: 45949

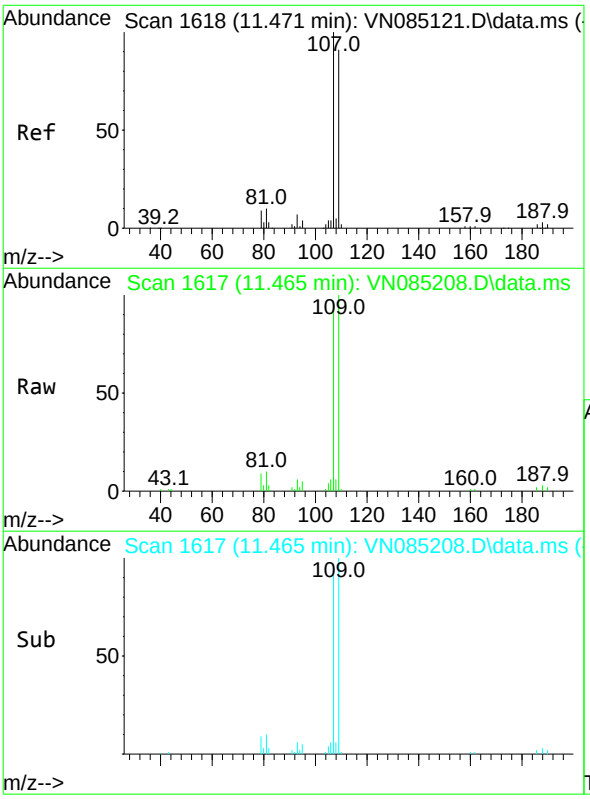
Ion	Ratio	Lower	Upper
129	100		
127	75.2	37.3	111.9



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

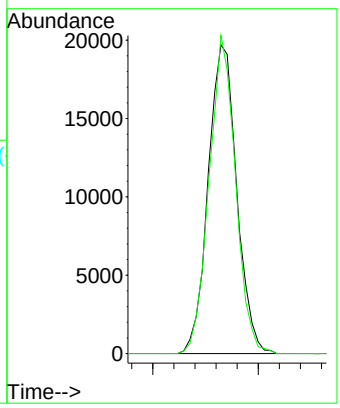
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

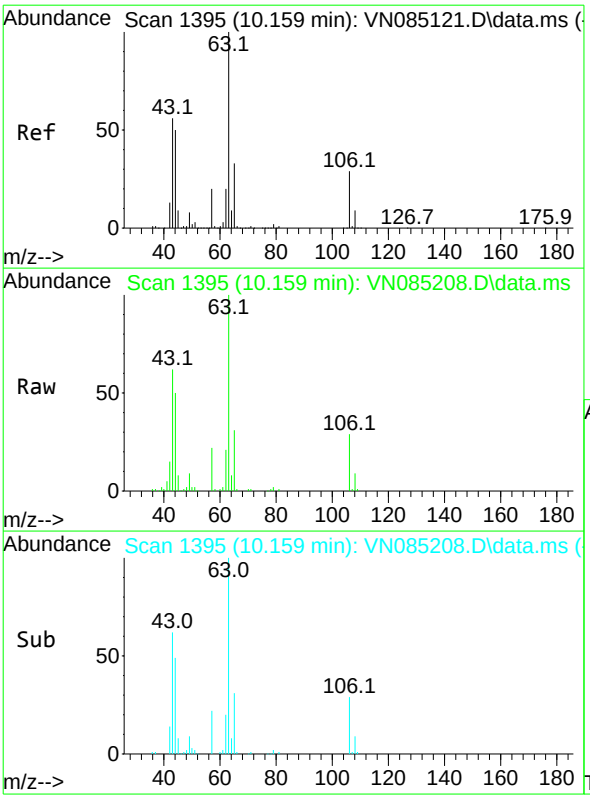


#54
1,2-Dibromoethane
Concen: 18.272 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:107 Resp: 37104

Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.2	112.8

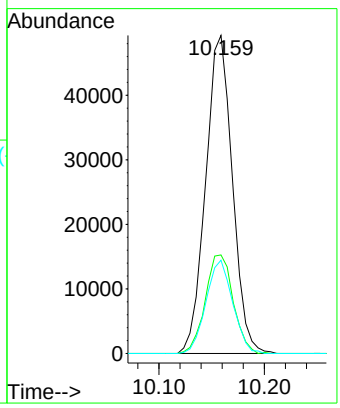




#55
2-Chloroethyl vinyl ether
Concen: 61.005 ug/l
RT: 10.159 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 63 Resp: 86871

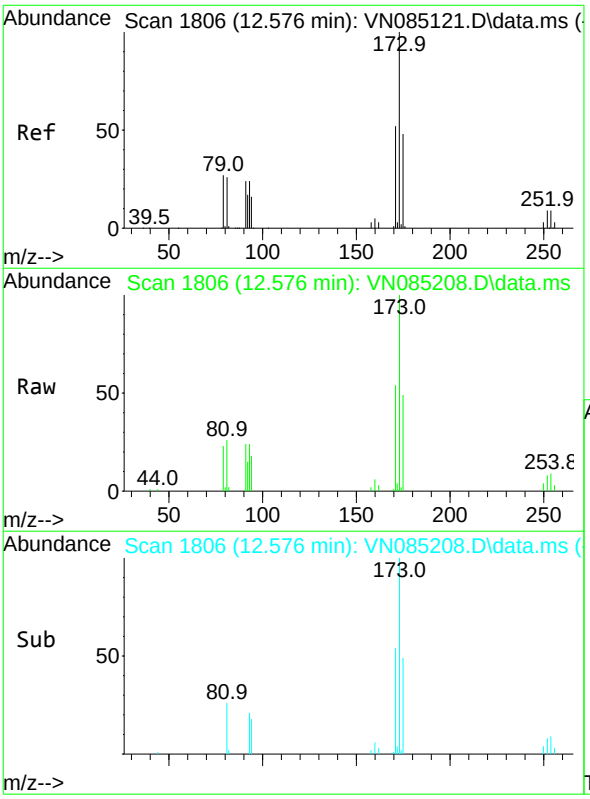
Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.9	38.9
106	29.3	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations APPROVED

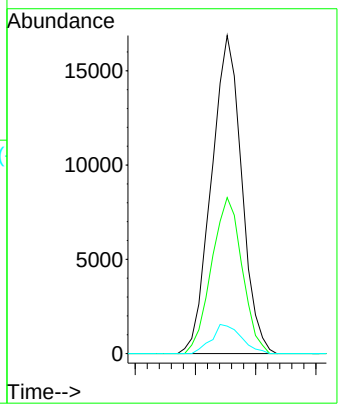
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

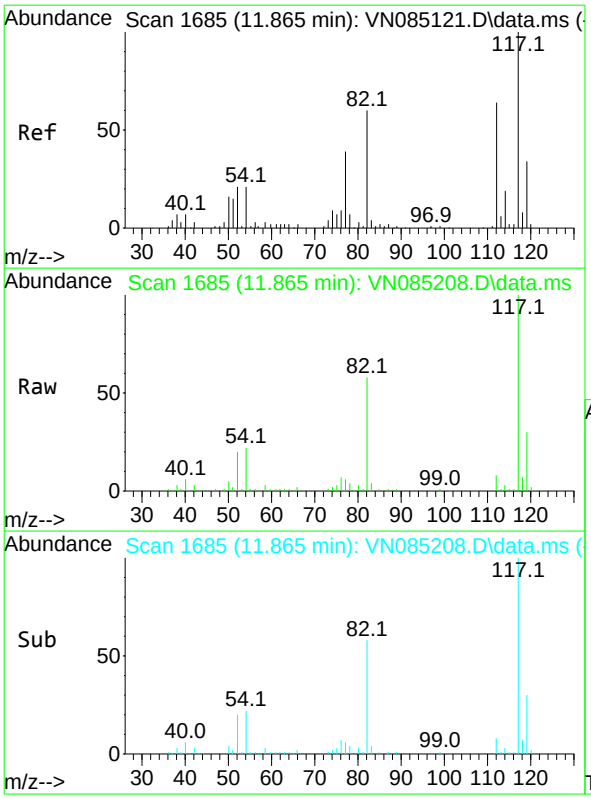


#56
Bromoform
Concen: 17.887 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:173 Resp: 29455

Ion	Ratio	Lower	Upper
173	100		
175	49.6	40.2	60.2
254	9.0	6.2	9.4

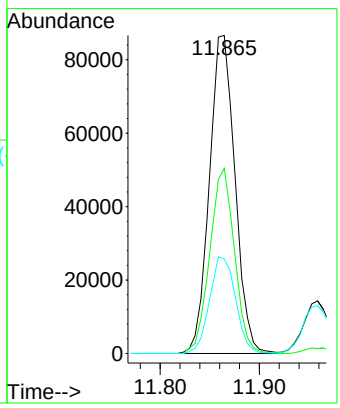




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:117 Resp: 155663

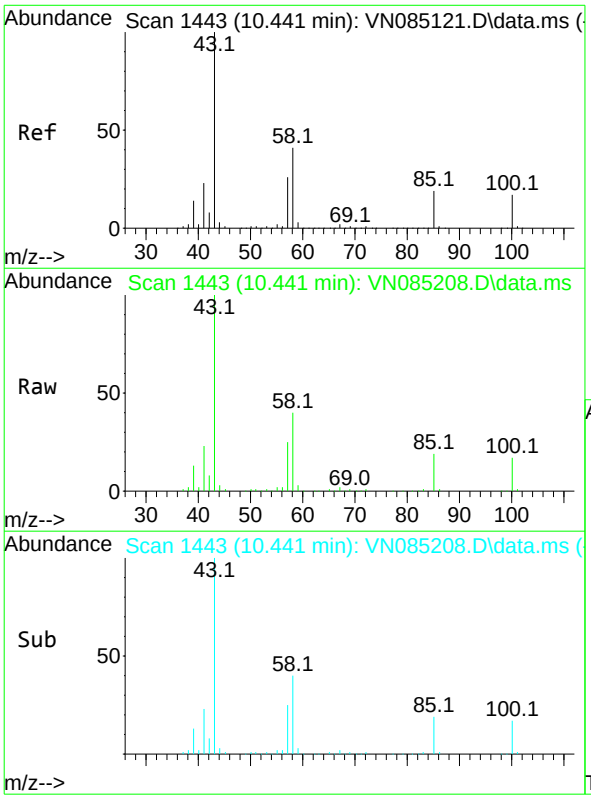
Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.2	66.4
119	30.8	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

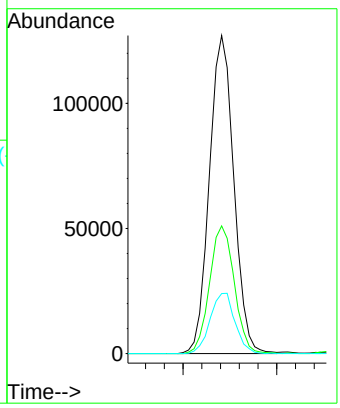
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

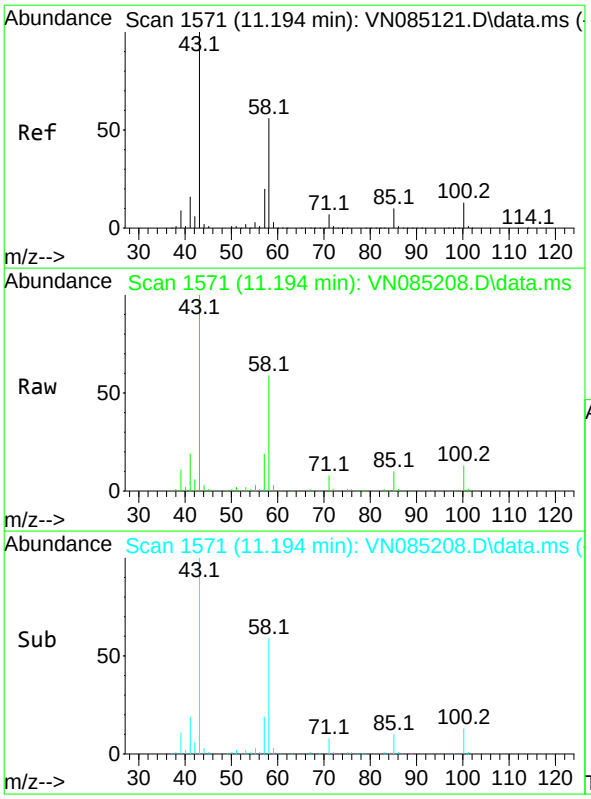


#58
4-Methyl-2-Pentanone
Concen: 90.751 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 43 Resp: 230551

Ion	Ratio	Lower	Upper
43	100		
58	40.6	31.6	47.4
85	19.2	15.0	22.6

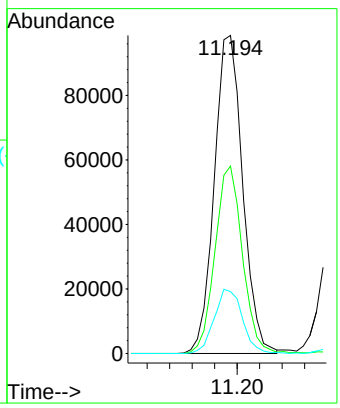




#59
2-Hexanone
Concen: 89.701 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 43 Resp: 172668

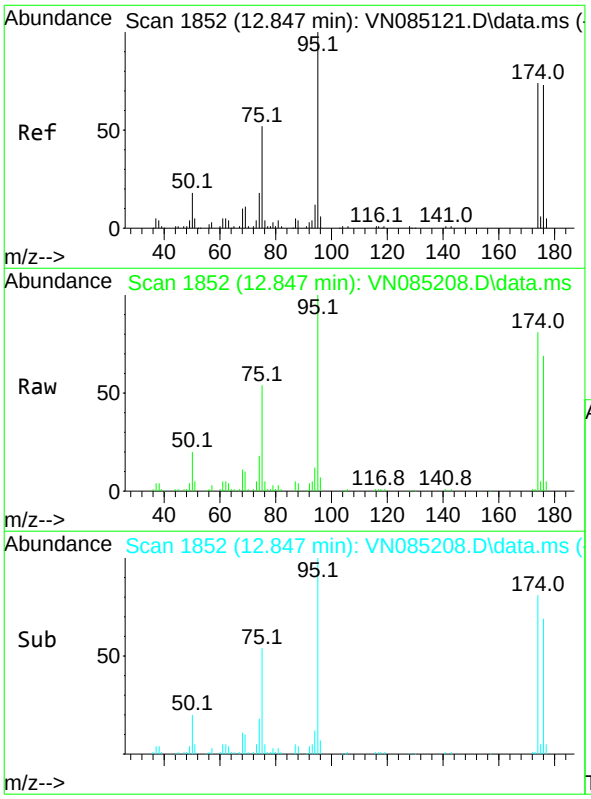
Ion	Ratio	Lower	Upper
43	100		
58	56.9	43.6	65.4
57	20.0	15.4	23.0



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

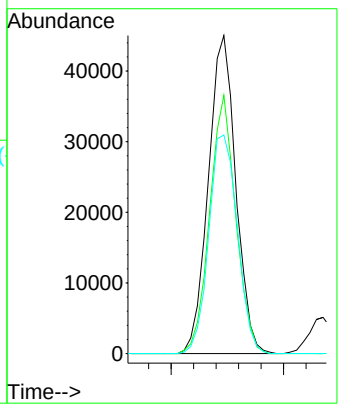
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

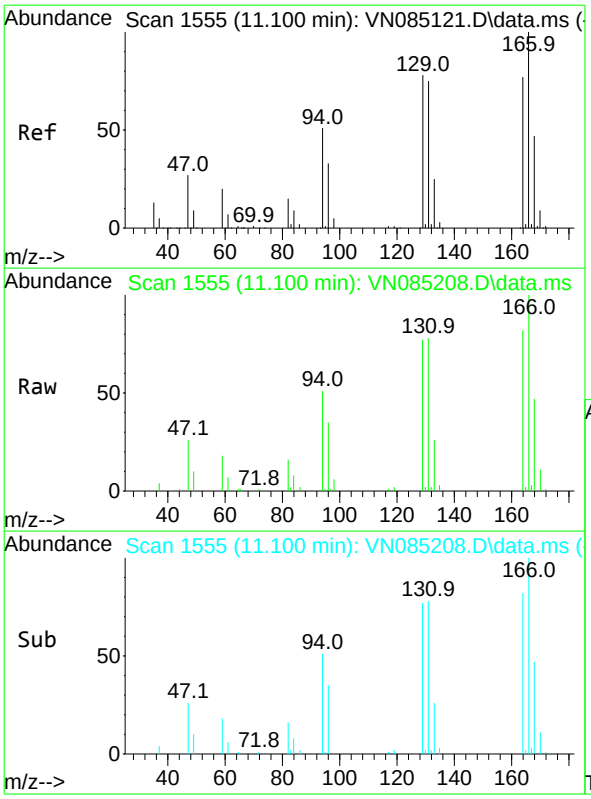


#60
4-Bromofluorobenzene
Concen: 29.655 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 95 Resp: 76379

Ion	Ratio	Lower	Upper
95	100		
174	77.0	60.3	90.5
176	71.5	57.4	86.0

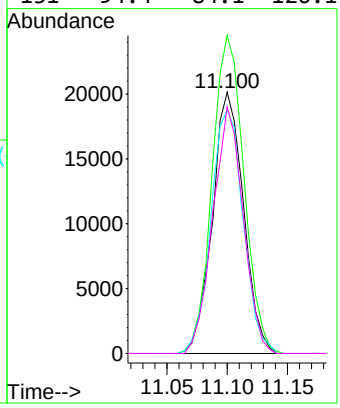




#61
Tetrachloroethene
Concen: 19.138 ug/l
RT: 11.100 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:164 Resp: 36077

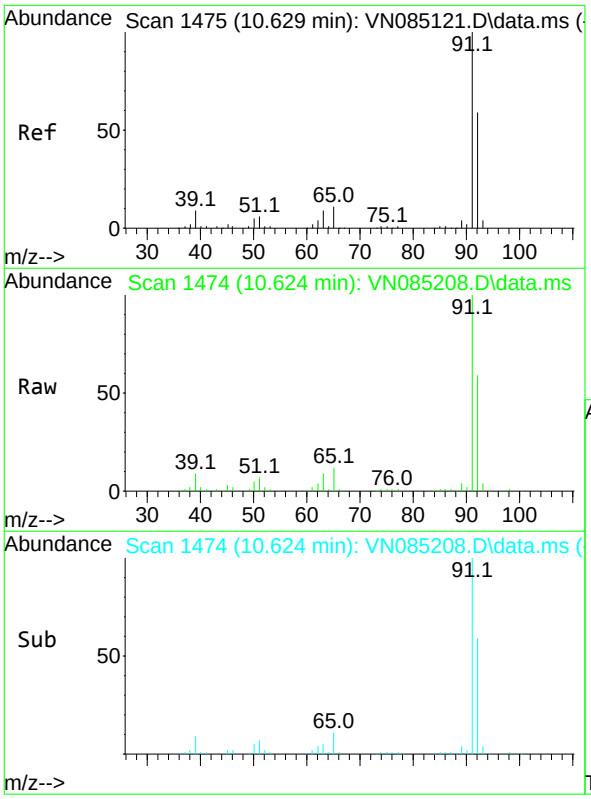
Ion	Ratio	Lower	Upper
164	100		
166	121.7	103.8	155.8
129	93.2	84.2	126.4
131	94.4	84.1	126.1



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

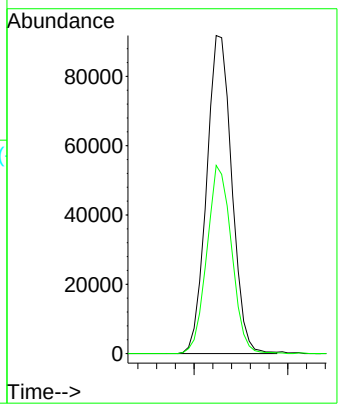
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

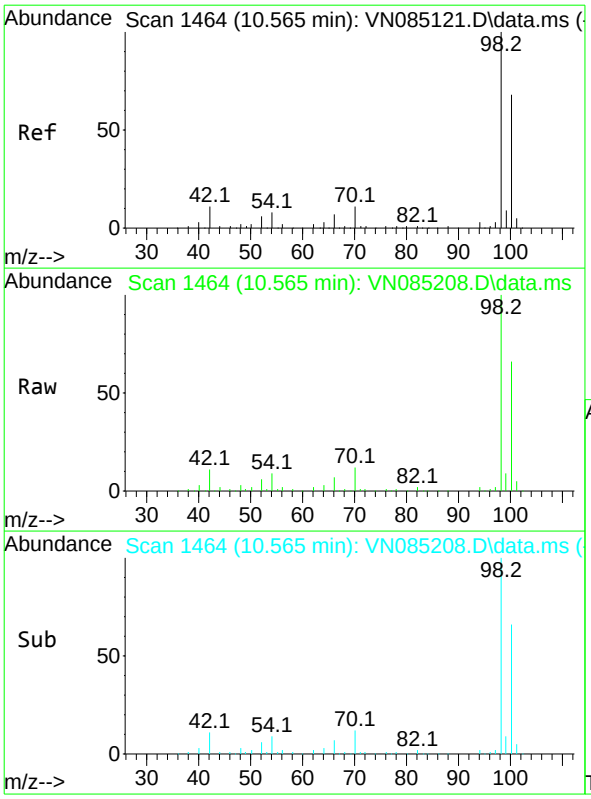


#62
Toluene
Concen: 18.900 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 91 Resp: 171579

Ion	Ratio	Lower	Upper
91	100		
92	58.1	46.5	69.7

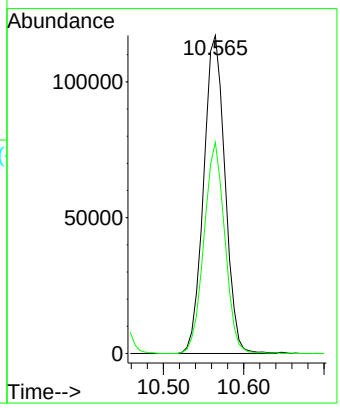




#63
Toluene-d8
Concen: 29.671 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 98 Resp: 216652

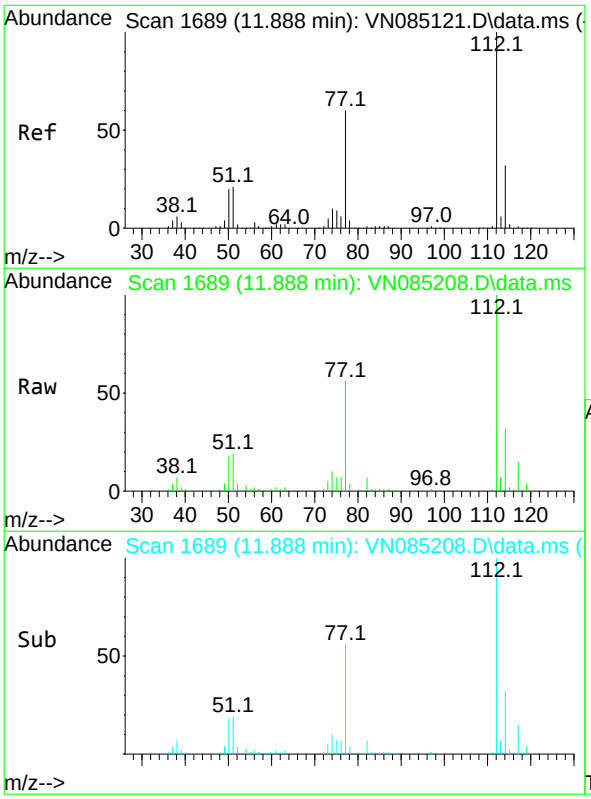
Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.0	78.0



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

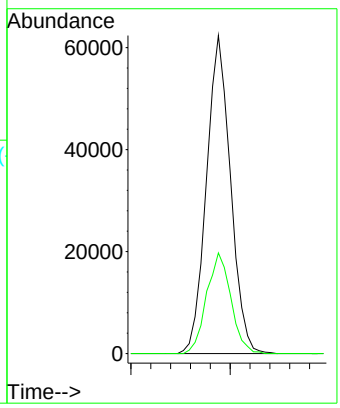
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

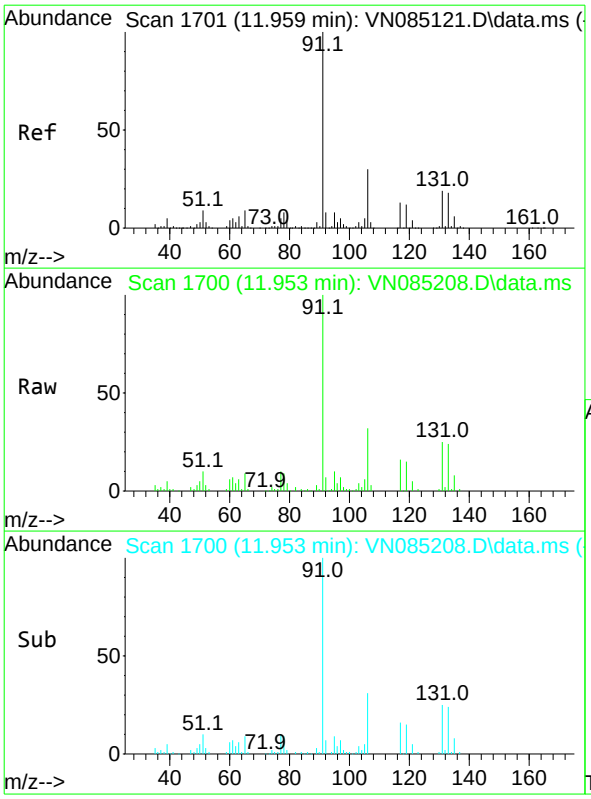


#64
Chlorobenzene
Concen: 18.744 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:112 Resp: 105060

Ion	Ratio	Lower	Upper
112	100		
114	31.7	26.0	39.0

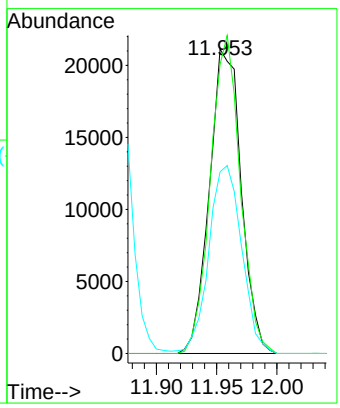




#65
1,1,1,2-Tetrachloroethane
Concen: 18.556 ug/l
RT: 11.953 min Scan# 17
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:131 Resp: 38827

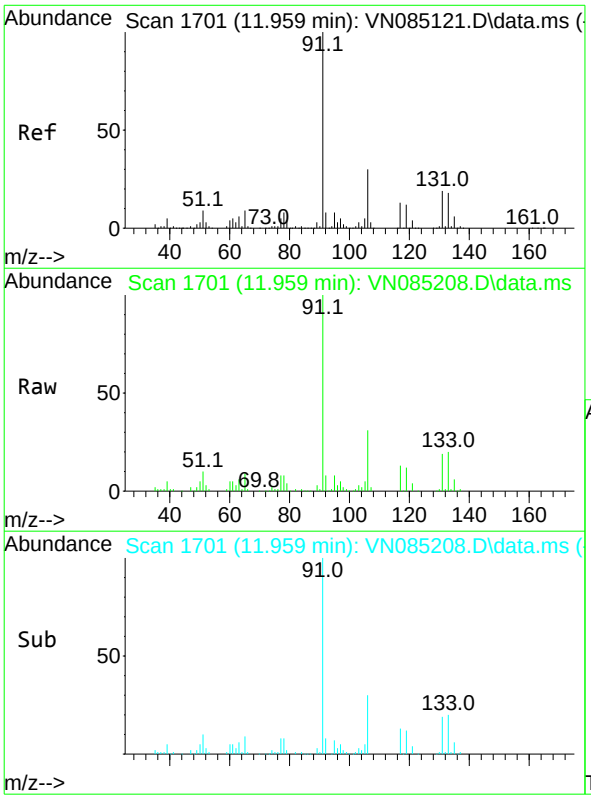
Ion	Ratio	Lower	Upper
131	100		
133	98.0	0.0	194.0
119	63.7	0.0	131.8



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations APPROVED

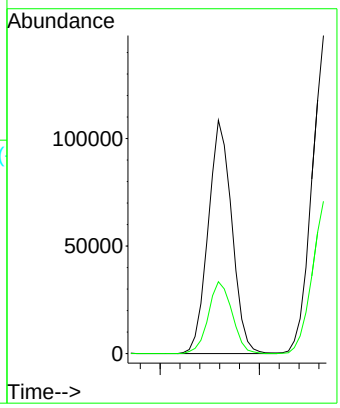
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

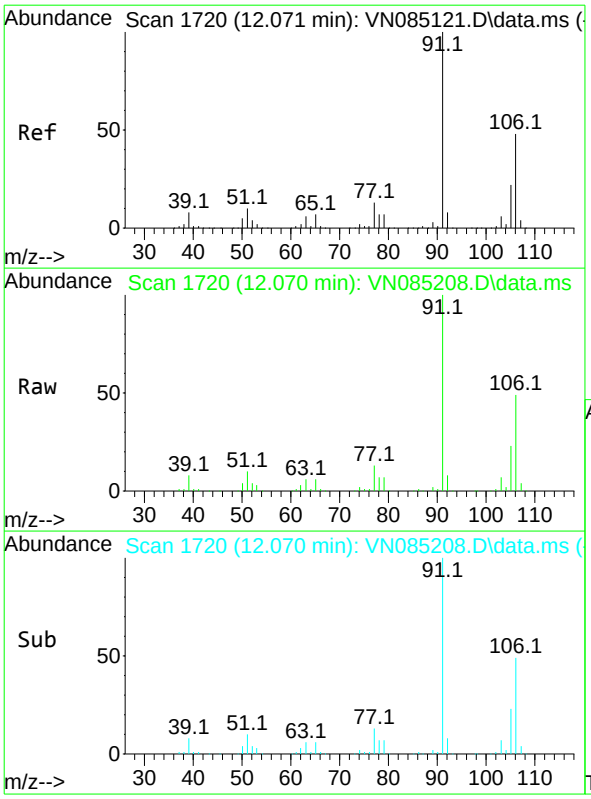


#66
Ethyl Benzene
Concen: 18.698 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 91 Resp: 180124

Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.1	34.7

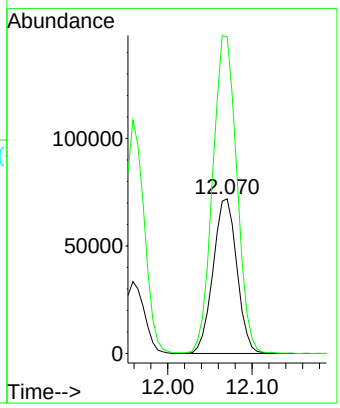




#67
m/p-Xylenes
Concen: 38.037 ug/l
RT: 12.070 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:106 Resp: 140933

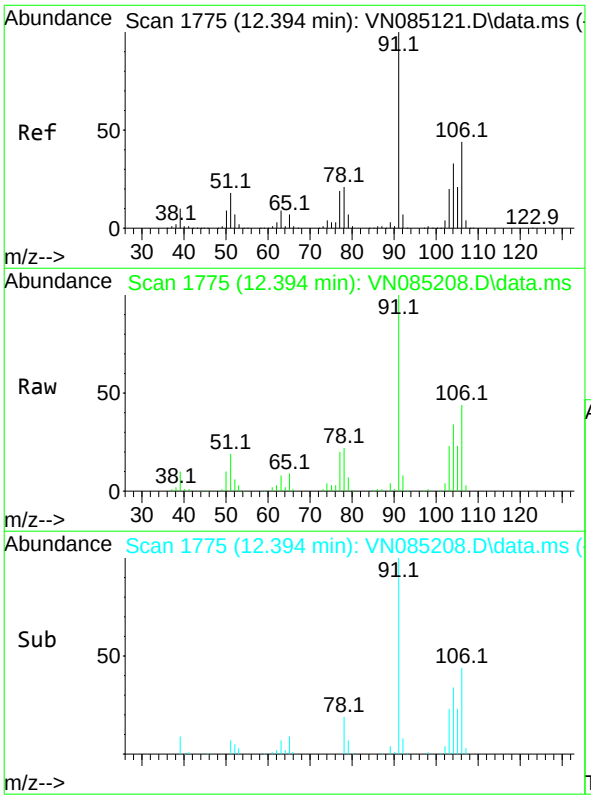
Ion	Ratio	Lower	Upper
106	100		
91	208.6	165.0	247.4



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

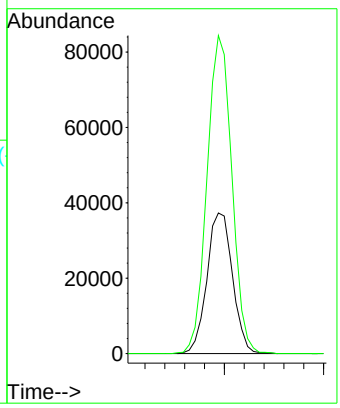
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

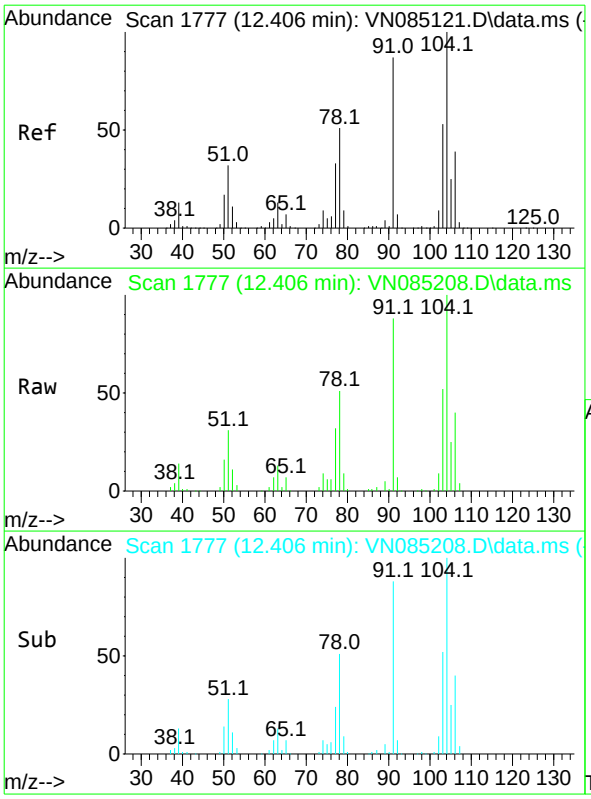


#68
o-Xylene
Concen: 19.229 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:106 Resp: 66910

Ion	Ratio	Lower	Upper
106	100		
91	219.0	112.1	336.4

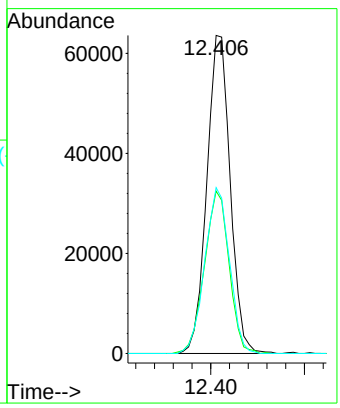




#69
Styrene
Concen: 18.651 ug/l
RT: 12.406 min Scan# 17
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:104 Resp: 110123

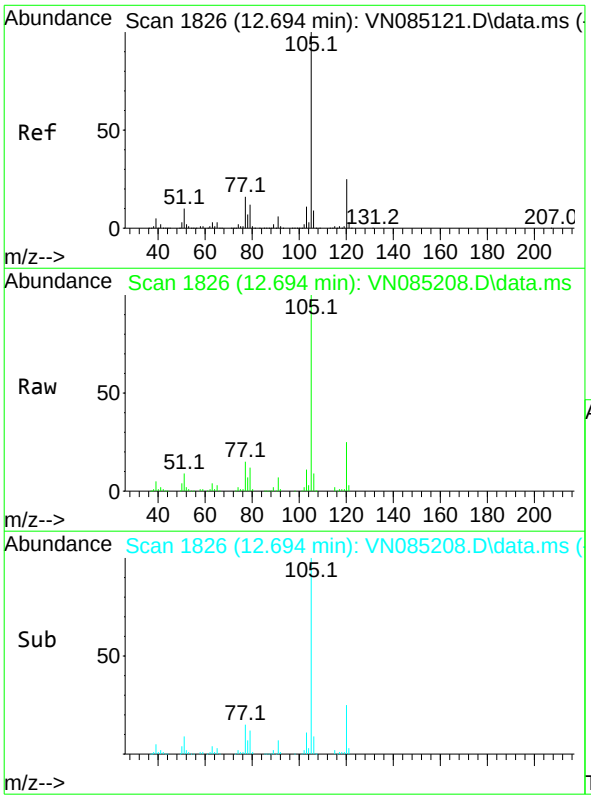
Ion	Ratio	Lower	Upper
104	100		
78	53.6	42.3	63.5
103	55.0	44.4	66.6



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

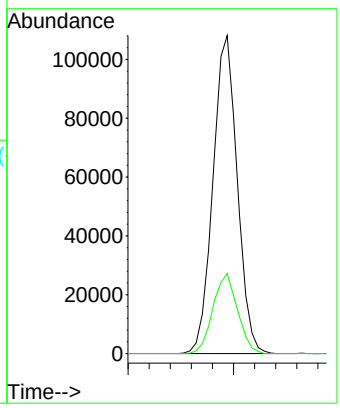
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

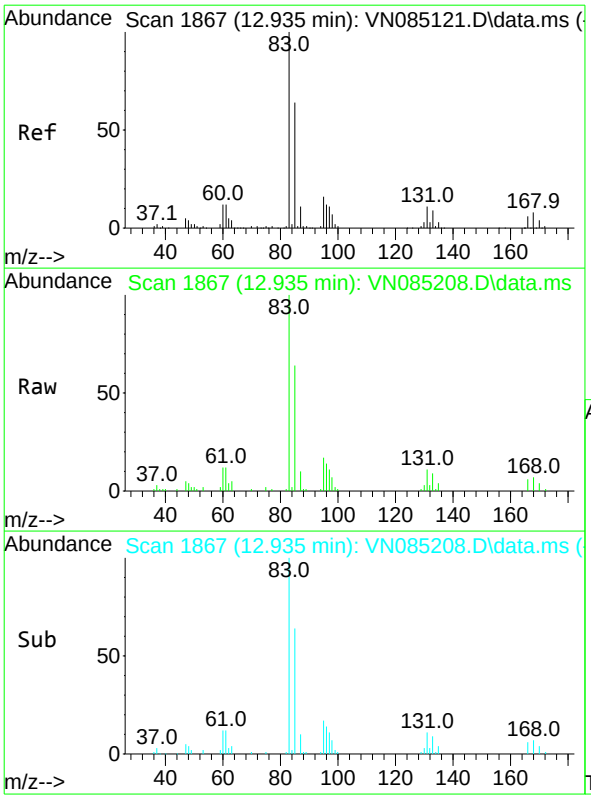


#70
Isopropylbenzene
Concen: 19.264 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:105 Resp: 172891

Ion	Ratio	Lower	Upper
105	100		
120	25.4	18.3	33.9

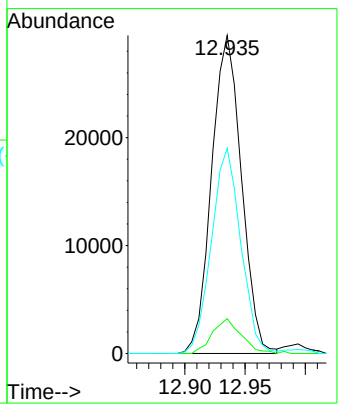




#71
1,1,2,2-Tetrachloroethane
Concen: 18.592 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 83 Resp: 50789

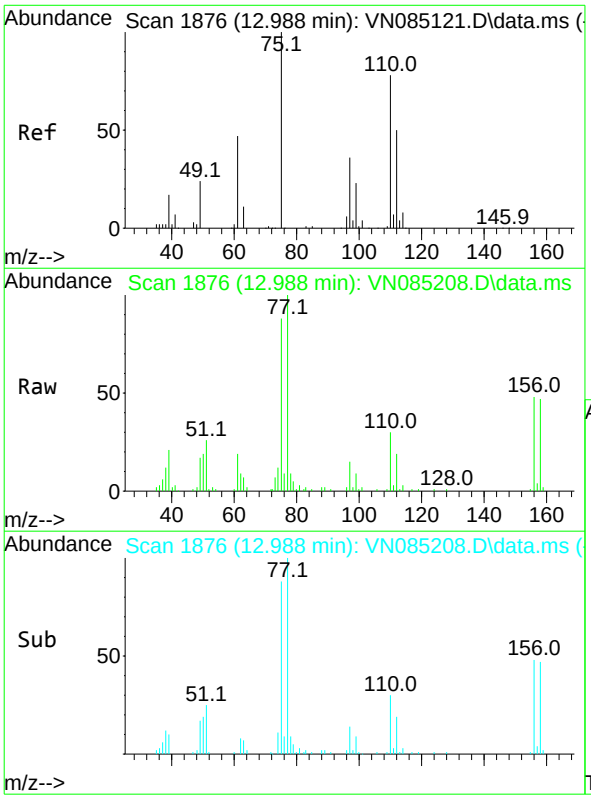
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.3
85	63.5	31.1	93.5



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

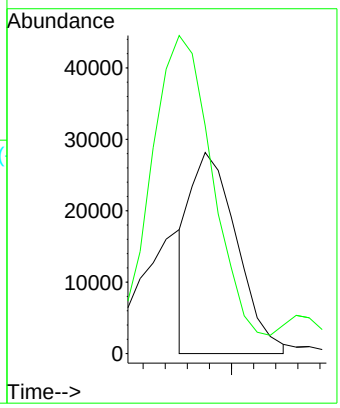
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

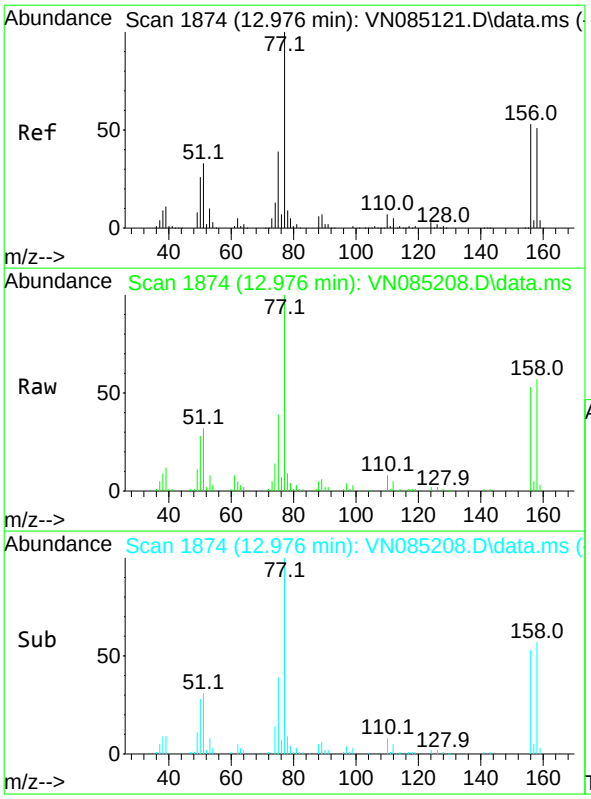


#72
1,2,3-Trichloropropane
Concen: 15.293 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 75 Resp: 41267

Ion	Ratio	Lower	Upper
75	100		
77	217.3	0.0	339.0

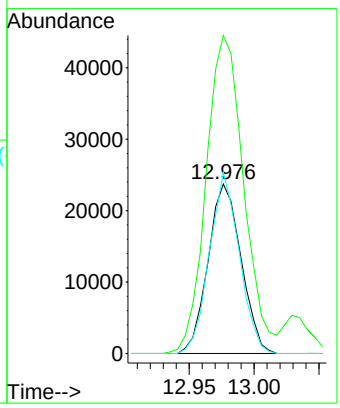




#73
Bromobenzene
Concen: 18.670 ug/l
RT: 12.976 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:156 Resp: 41970

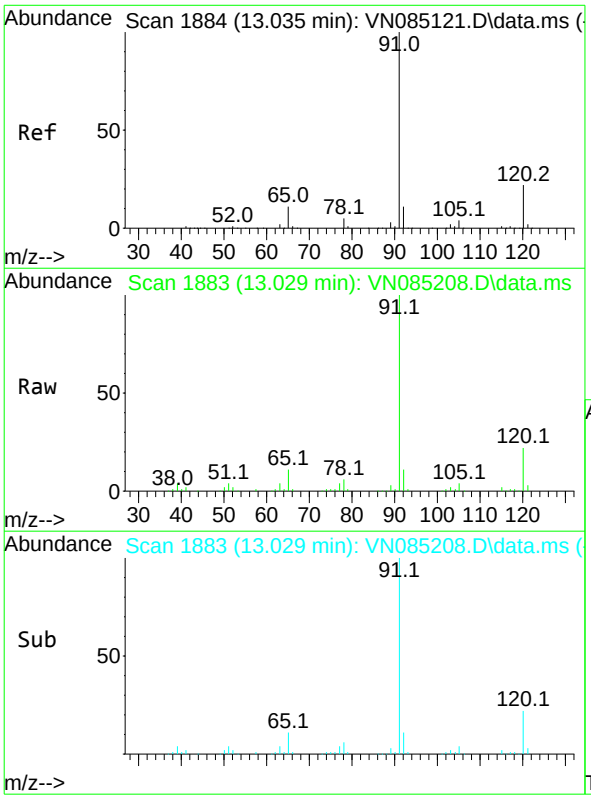
Ion	Ratio	Lower	Upper
156	100		
77	213.6	0.0	430.4
158	96.9	0.0	195.2



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

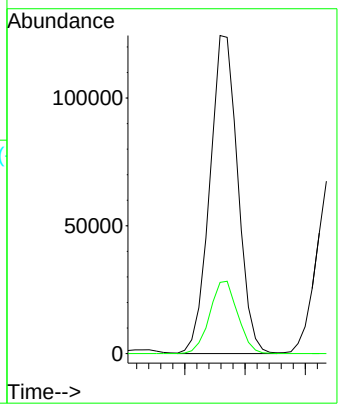
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

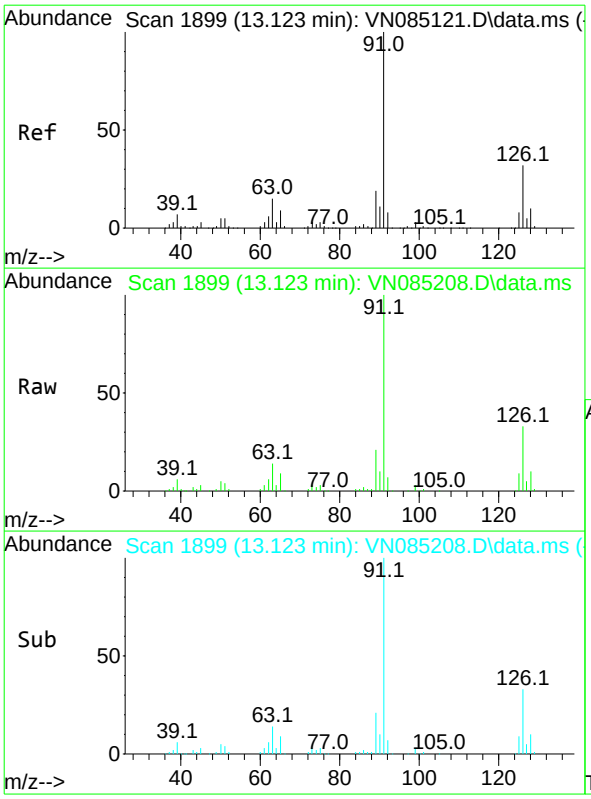


#74
n-propylbenzene
Concen: 18.628 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 91 Resp: 200993

Ion	Ratio	Lower	Upper
91	100		
120	22.7	0.0	44.0

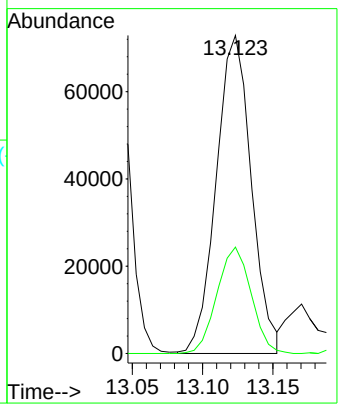




#75
2-Chlorotoluene
Concen: 18.991 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 91 Resp: 126691

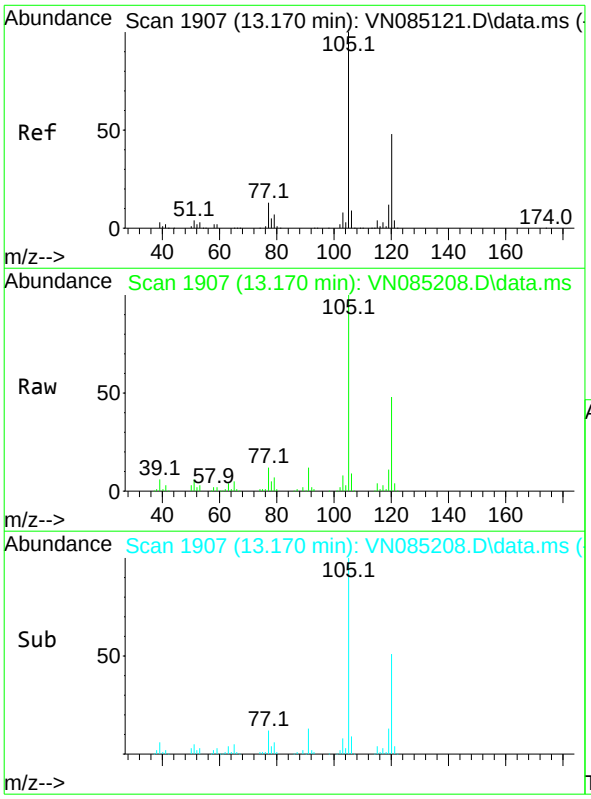
Ion	Ratio	Lower	Upper
91	100		
126	32.4	0.0	64.2



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

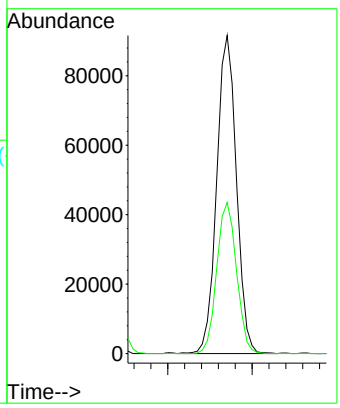
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

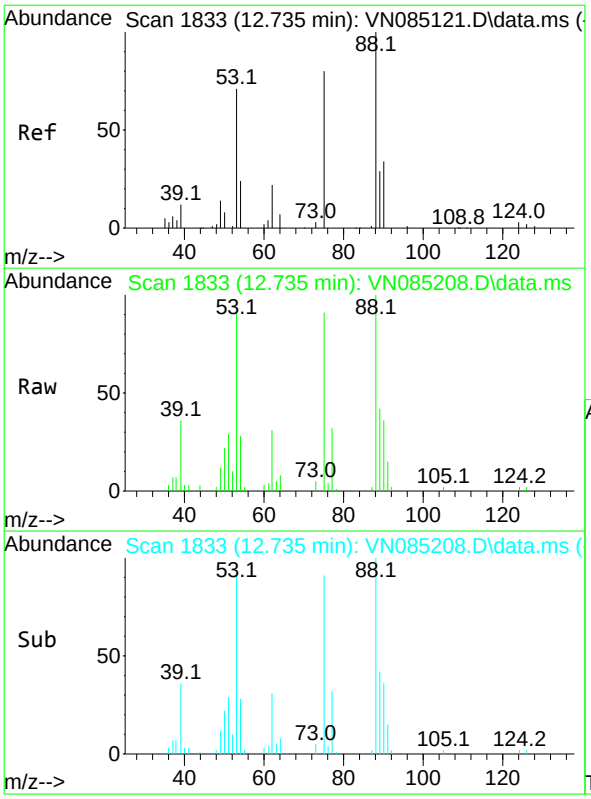


#76
1,3,5-Trimethylbenzene
Concen: 19.344 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:105 Resp: 148740

Ion	Ratio	Lower	Upper
105	100		
120	47.5	0.0	94.4

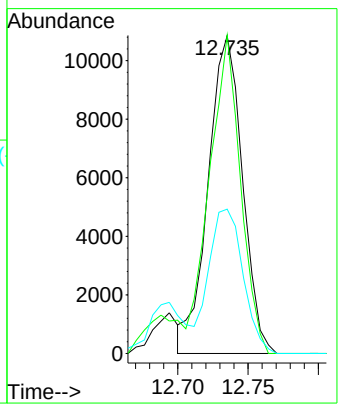




#77
t-1,4-Dichloro-2-butene
Concen: 18.768 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 75 Resp: 18403

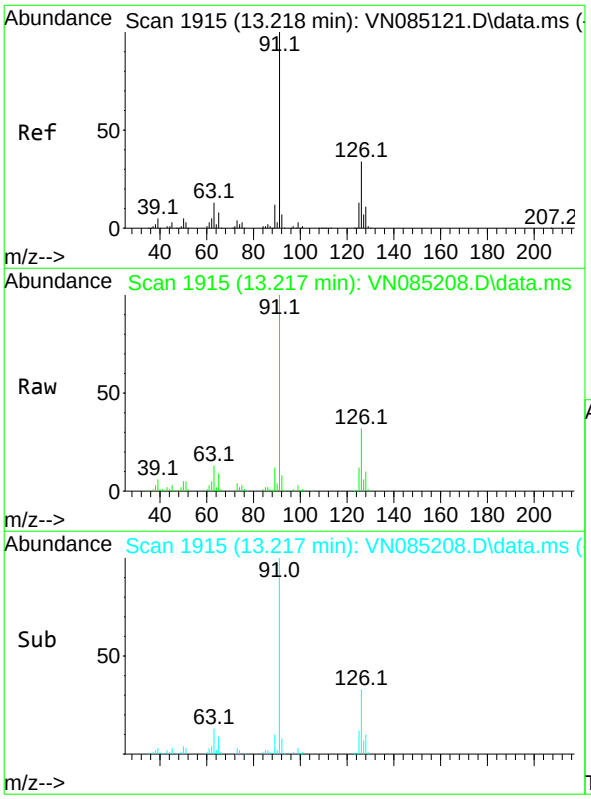
Ion	Ratio	Lower	Upper
75	100		
53	100.1	49.1	147.3
89	45.4	22.9	68.5



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

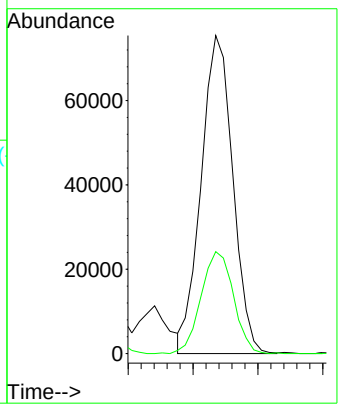
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

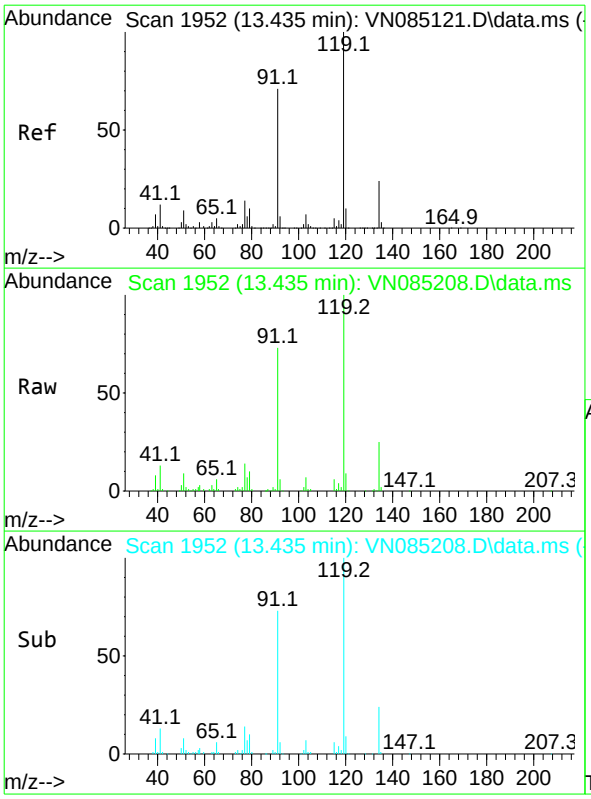


#78
4-Chlorotoluene
Concen: 18.901 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 91 Resp: 127983

Ion	Ratio	Lower	Upper
91	100		
126	32.6	0.0	64.4

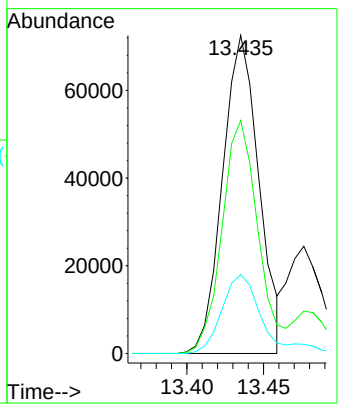




#79
tert-butylbenzene
Concen: 18.902 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:119 Resp: 119374

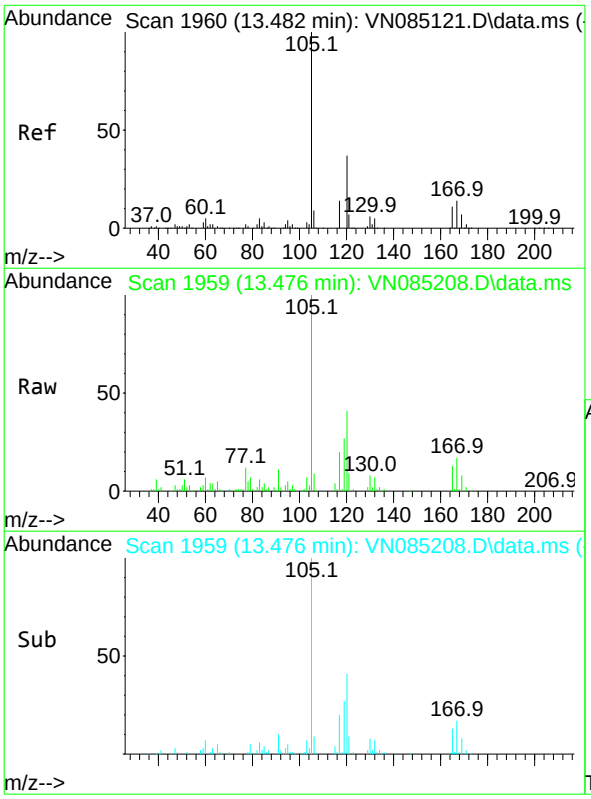
Ion	Ratio	Lower	Upper
119	100		
91	72.9	0.0	139.2
134	25.4	0.0	48.0



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

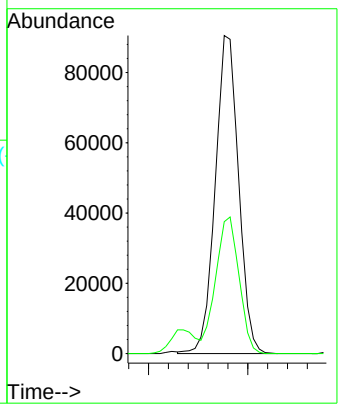
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

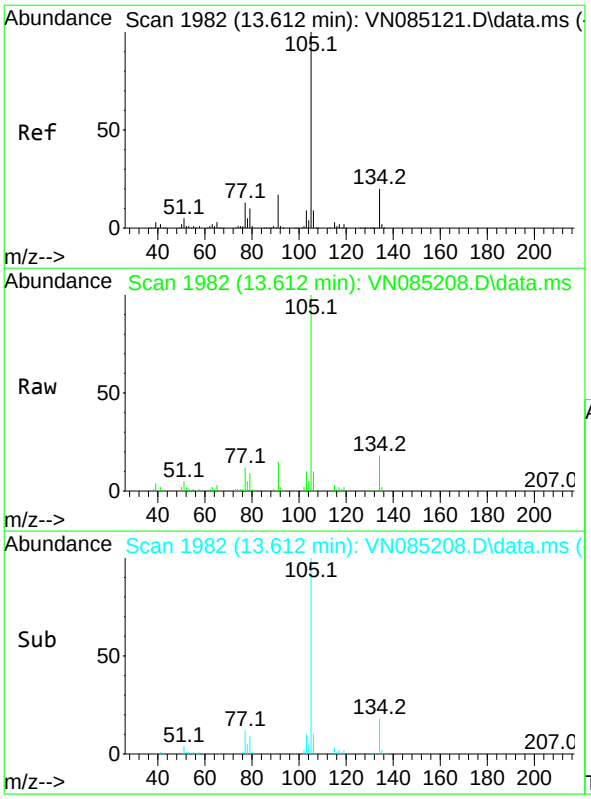


#80
1,2,4-Trimethylbenzene
Concen: 19.451 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:105 Resp: 147735

Ion	Ratio	Lower	Upper
105	100		
120	42.9	0.0	87.4

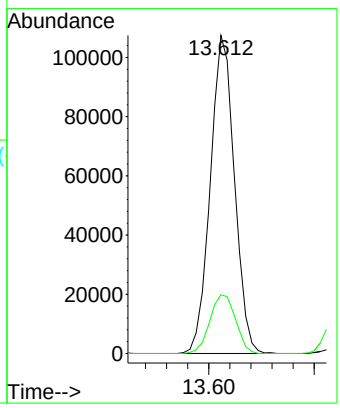




#81
sec-Butylbenzene
Concen: 19.039 ug/l
RT: 13.612 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:105 Resp: 170821

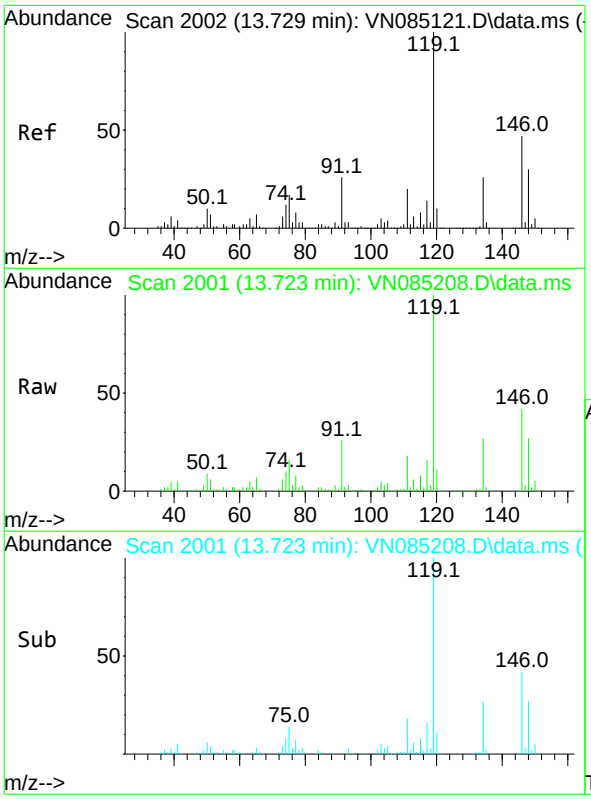
Ion	Ratio	Lower	Upper
105	100		
134	19.6	0.0	38.0



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

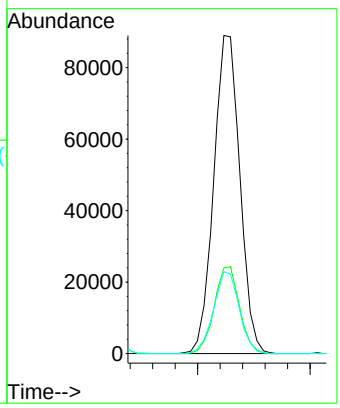
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

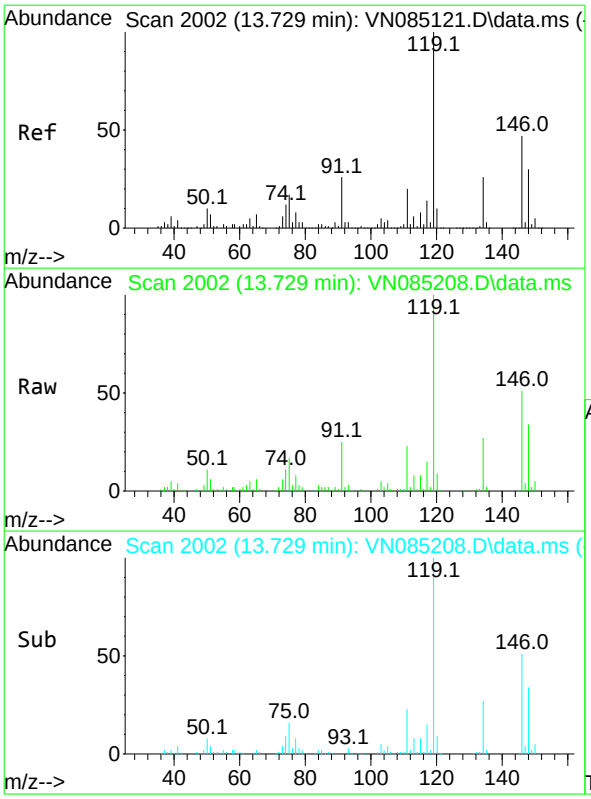


#82
p-Isopropyltoluene
Concen: 19.331 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:119 Resp: 143795

Ion	Ratio	Lower	Upper
119	100		
134	26.3	0.0	51.6
91	25.2	0.0	50.4

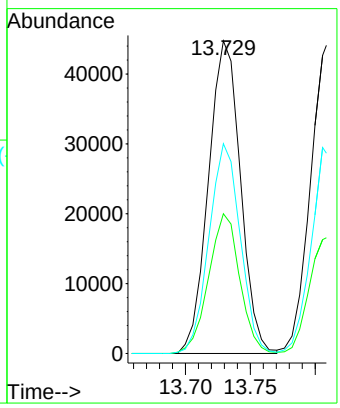




#83
1,3-Dichlorobenzene
Concen: 18.638 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:146 Resp: 76871

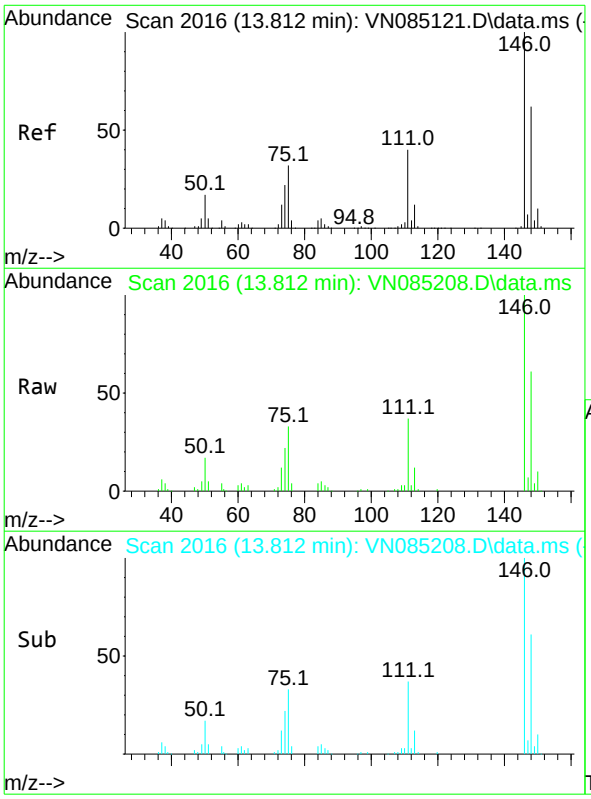
Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.1	63.3
148	65.5	31.8	95.3



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

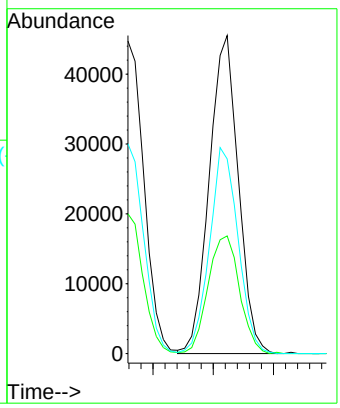
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

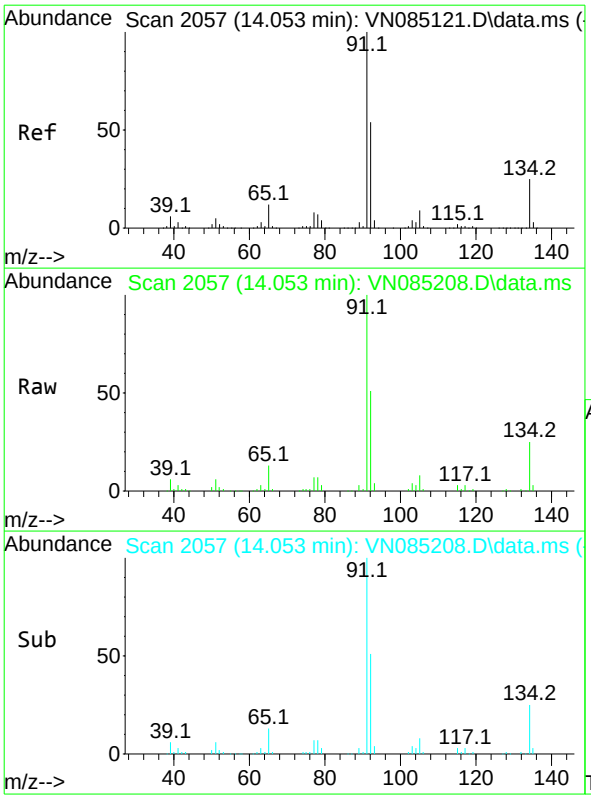


#84
1,4-Dichlorobenzene
Concen: 19.003 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:146 Resp: 76385

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.1	60.3
148	63.8	31.6	94.7

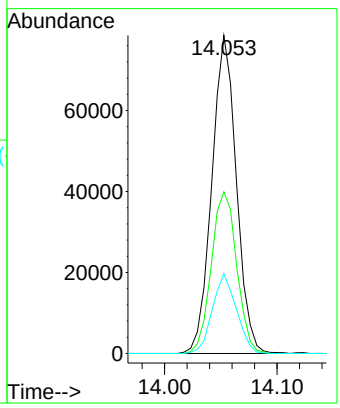




#85
n-Butylbenzene
Concen: 19.083 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 91 Resp: 119073

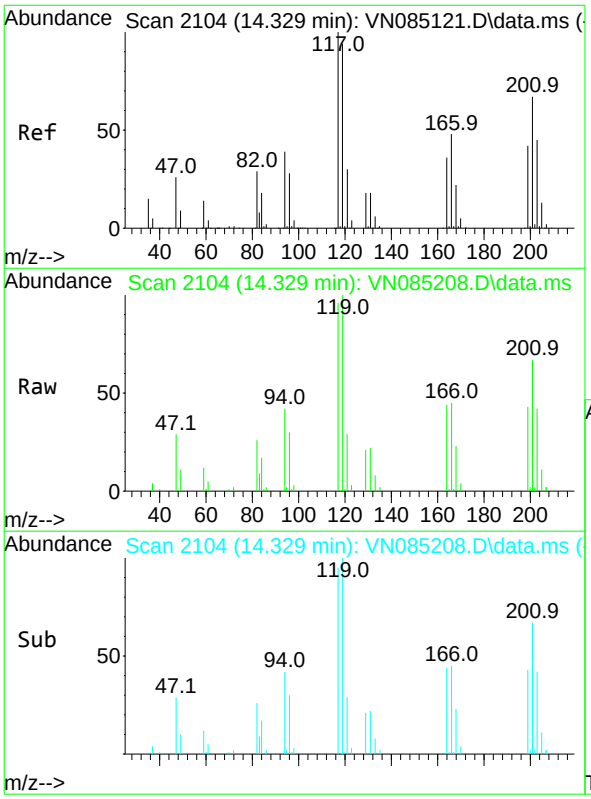
Ion	Ratio	Lower	Upper
91	100		
92	52.4	0.0	104.0
134	24.5	0.0	49.2



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

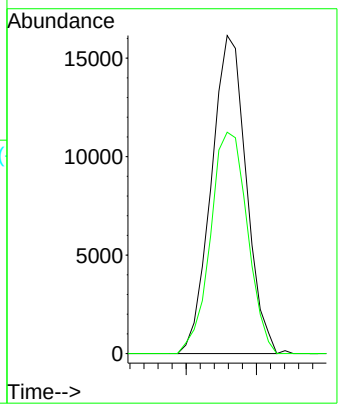
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

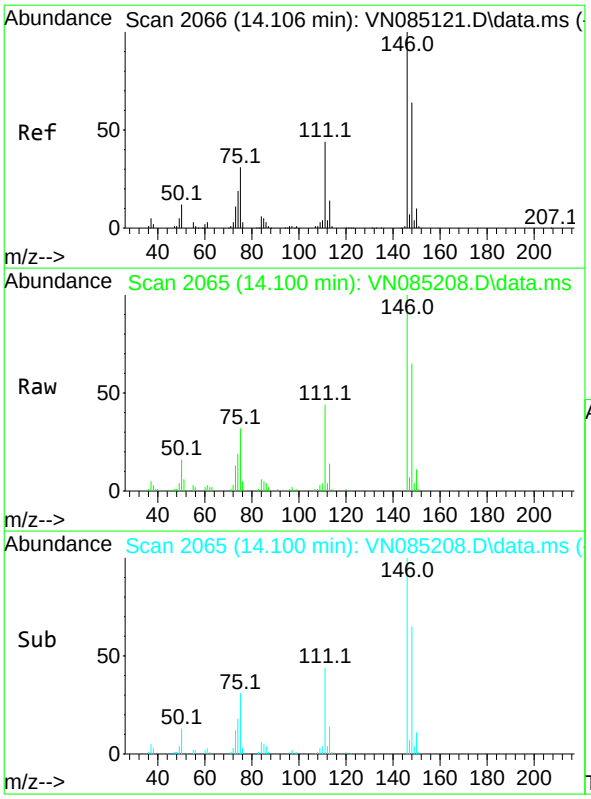


#86
Hexachloroethane
Concen: 18.824 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:117 Resp: 27875

Ion	Ratio	Lower	Upper
117	100		
201	73.5	34.1	102.3

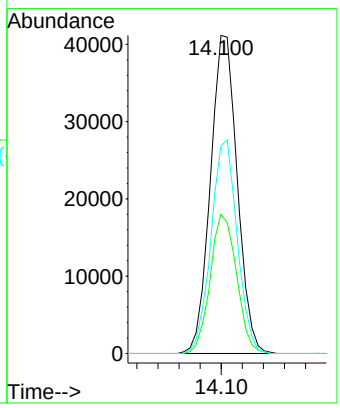




#87
1,2-Dichlorobenzene
Concen: 18.718 ug/l
RT: 14.100 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:146 Resp: 72871

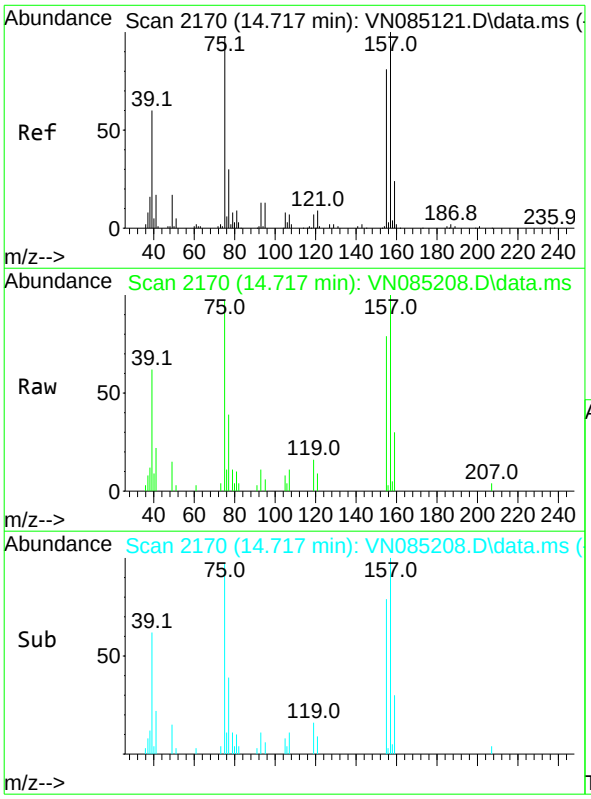
Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.9	65.7
148	65.6	32.4	97.0



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

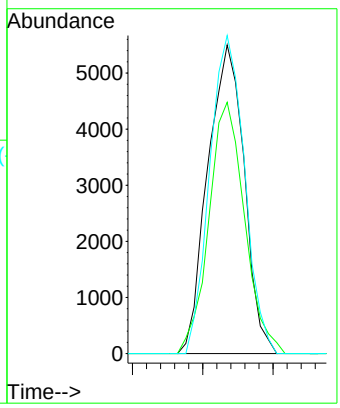
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

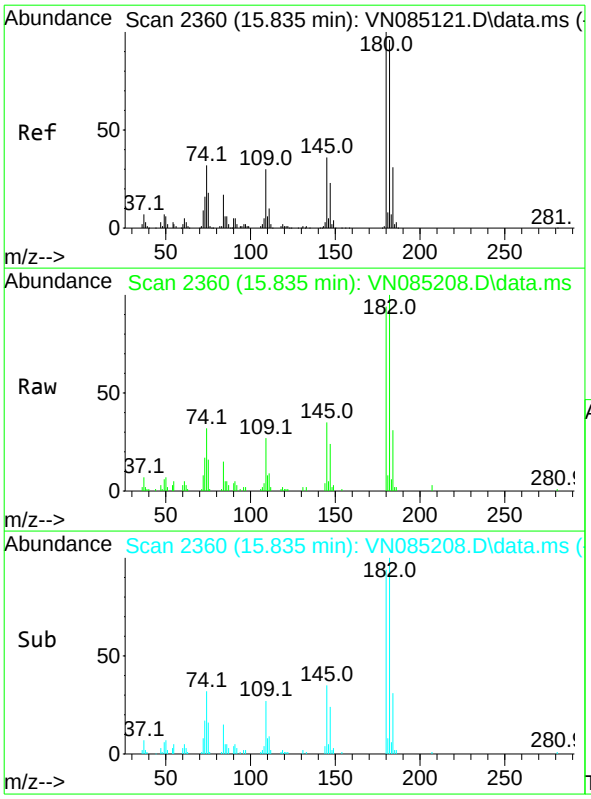


#88
1,2-Dibromo-3-Chloropropane
Concen: 18.139 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 75 Resp: 9899

Ion	Ratio	Lower	Upper
75	100		
155	79.8	62.1	93.1
157	98.5	79.3	118.9

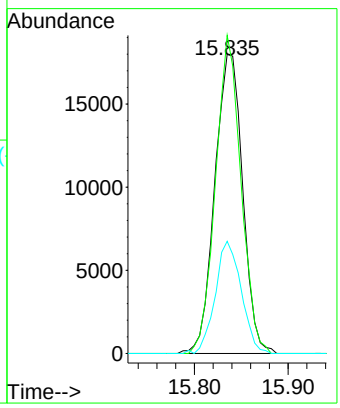




#89
1,2,4-Trichlorobenzene
Concen: 19.527 ug/l
RT: 15.835 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:180 Resp: 37230

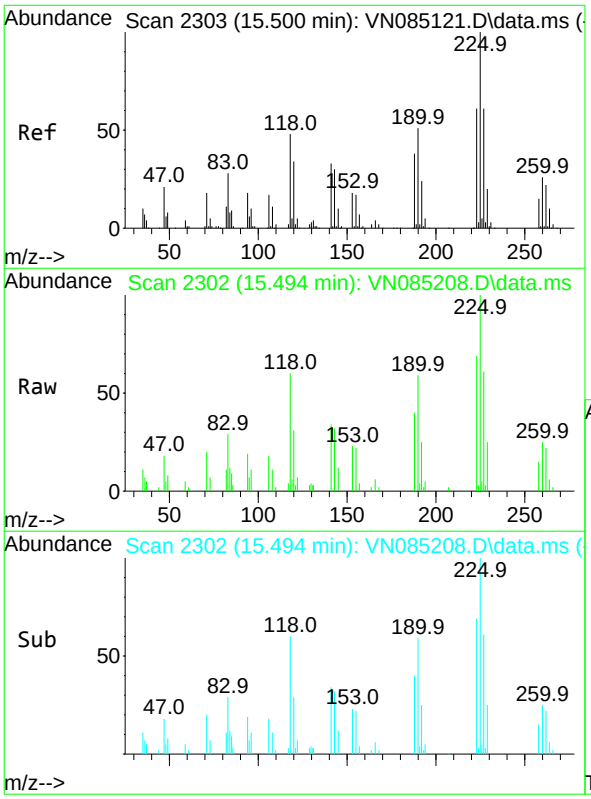
Ion	Ratio	Lower	Upper
180	100		
182	96.8	74.0	111.0
145	34.8	28.6	43.0



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

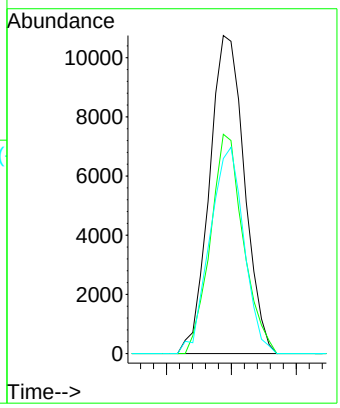
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

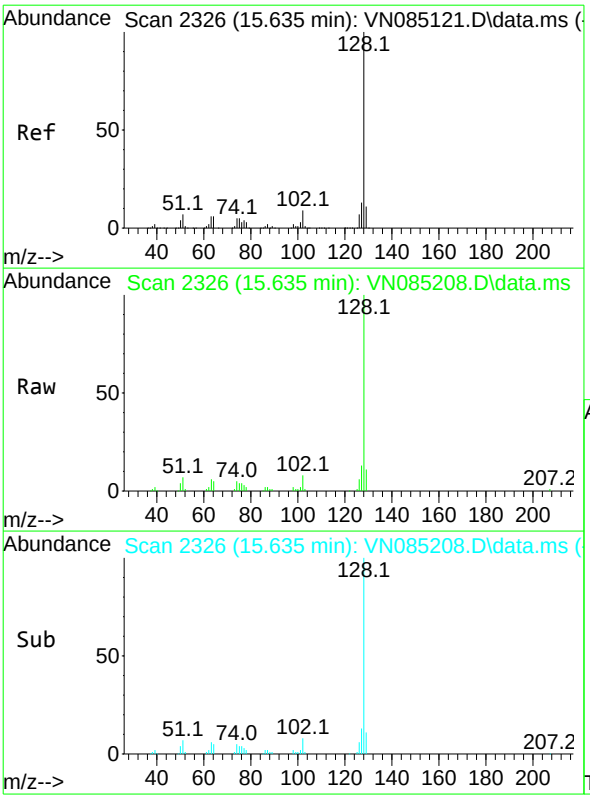


#90
Hexachlorobutadiene
Concen: 20.308 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:225 Resp: 20120

Ion	Ratio	Lower	Upper
225	100		
223	64.7	0.0	121.8
227	63.1	0.0	126.8

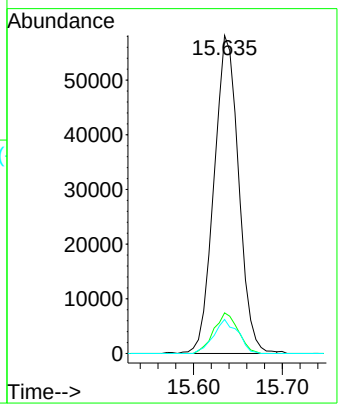




#91
Naphthalene
Concen: 18.930 ug/l
RT: 15.635 min Scan# 23
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:128 Resp: 112126

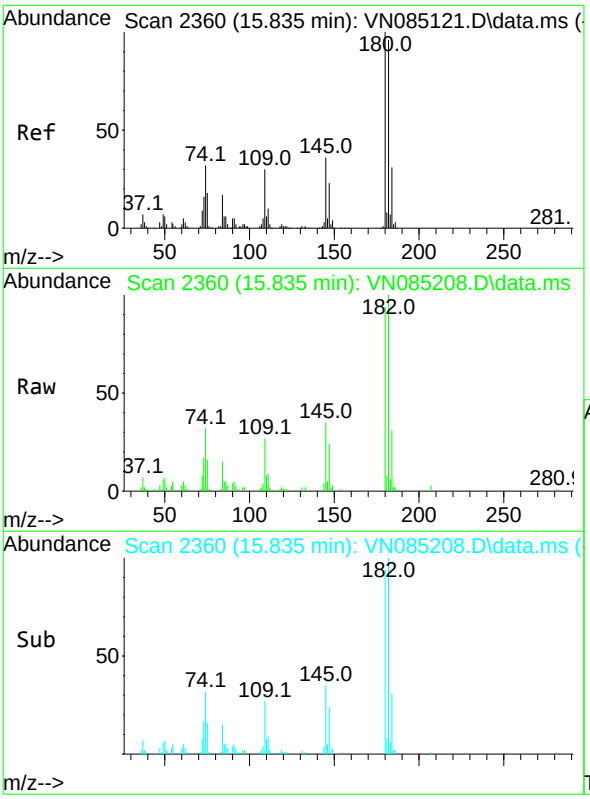
Ion	Ratio	Lower	Upper
128	100		
127	12.6	11.0	16.4
129	10.6	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Manual Integrations
APPROVED

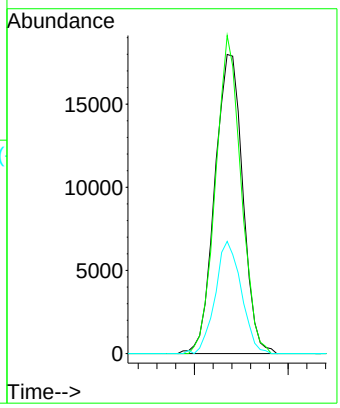
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#92
1,2,3-Trichlorobenzene
Concen: 19.527 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:180 Resp: 37230

Ion	Ratio	Lower	Upper
180	100		
182	96.8	0.0	185.0
145	34.8	0.0	71.6



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:	CTO WE13	Date Received:	
Client Sample ID:	VN1216WBSD01	SDG No.:	P5283
Lab Sample ID:	VN1216WBSD01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085209.D	1		12/16/24 10:57	VN121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.1		1.20	5.00	ug/L
74-87-3	Chloromethane	19.1		1.20	5.00	ug/L
75-01-4	Vinyl Chloride	20.9		1.20	5.00	ug/L
74-83-9	Bromomethane	20.0		1.40	5.00	ug/L
75-00-3	Chloroethane	21.2		2.90	5.00	ug/L
75-69-4	Trichlorofluoromethane	20.6		1.00	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.9		1.10	5.00	ug/L
75-35-4	1,1-Dichloroethene	19.9		1.10	5.00	ug/L
107-02-8	Acrolein	110		9.30	25.0	ug/L
107-13-1	Acrylonitrile	100		3.70	25.0	ug/L
67-64-1	Acetone	120		4.90	25.0	ug/L
75-15-0	Carbon Disulfide	19.4		0.93	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	21.4		0.83	5.00	ug/L
79-20-9	Methyl Acetate	21.8		1.20	5.00	ug/L
75-09-2	Methylene Chloride	20.0		1.20	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.4		0.95	5.00	ug/L
75-34-3	1,1-Dichloroethane	20.3		0.81	5.00	ug/L
110-82-7	Cyclohexane	19.6		1.00	5.00	ug/L
78-93-3	2-Butanone	110		3.60	25.0	ug/L
56-23-5	Carbon Tetrachloride	19.4		0.91	5.00	ug/L
594-20-7	2,2-Dichloropropane	19.7		1.10	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.6		0.90	5.00	ug/L
67-66-3	Chloroform	20.2		0.72	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.3		0.79	5.00	ug/L
108-87-2	Methylcyclohexane	19.0		0.89	5.00	ug/L
563-58-6	1,1-Dichloropropene	19.7		0.75	5.00	ug/L
71-43-2	Benzene	19.5		0.69	5.00	ug/L
107-06-2	1,2-Dichloroethane	19.6		0.75	5.00	ug/L
79-01-6	Trichloroethene	19.5		0.77	5.00	ug/L
78-87-5	1,2-Dichloropropane	19.2		0.65	5.00	ug/L

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:	CTO WE13		Date Received:		
Client Sample ID:	VN1216WBSD01		SDG No.:	P5283	
Lab Sample ID:	VN1216WBSD01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group4	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085209.D	1		12/16/24 10:57	VN121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
74-95-3	Dibromomethane	20.0		0.70	5.00	ug/L
75-27-4	Bromodichloromethane	20.0		0.81	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		4.20	25.0	ug/L
108-88-3	Toluene	19.5		0.72	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.9		0.79	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.8		0.83	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.7		0.68	5.00	ug/L
142-28-9	1,3-Dichloropropane	20.2		0.68	5.00	ug/L
591-78-6	2-Hexanone	100		3.90	25.0	ug/L
124-48-1	Dibromochloromethane	19.8		0.72	5.00	ug/L
106-93-4	1,2-Dibromoethane	19.7		0.78	5.00	ug/L
127-18-4	Tetrachloroethene	19.8		0.94	5.00	ug/L
108-90-7	Chlorobenzene	19.7		0.67	5.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	20.6		0.91	5.00	ug/L
67-72-1	Hexachloroethane	19.6		0.91	5.00	ug/L
100-41-4	Ethyl Benzene	19.6		0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	39.6		1.70	10.0	ug/L
95-47-6	o-Xylene	20.3		0.82	5.00	ug/L
100-42-5	Styrene	20.1		0.80	5.00	ug/L
75-25-2	Bromoform	19.8		1.00	5.00	ug/L
98-82-8	Isopropylbenzene	19.9		0.85	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.4		0.60	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	16.7		1.70	5.00	ug/L
108-86-1	Bromobenzene	20.1		0.69	5.00	ug/L
103-65-1	n-propylbenzene	19.2		0.80	5.00	ug/L
95-49-8	2-Chlorotoluene	19.9		0.81	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	19.6		0.74	5.00	ug/L
106-43-4	4-Chlorotoluene	19.5		0.82	5.00	ug/L
98-06-6	tert-butylbenzene	19.8		0.77	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	20.1		0.83	5.00	ug/L
135-98-8	sec-Butylbenzene	19.8		0.77	5.00	ug/L

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:	CTO WE13	Date Received:	
Client Sample ID:	VN1216WBSD01	SDG No.:	P5283
Lab Sample ID:	VN1216WBSD01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085209.D	1		12/16/24 10:57	VN121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-87-6	p-Isopropyltoluene	19.8		0.82	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.6		0.88	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.0		0.95	5.00	ug/L
104-51-8	n-Butylbenzene	19.3		0.86	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.2		0.88	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	21.6		0.91	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.6		1.10	5.00	ug/L
87-68-3	Hexachlorobutadiene	20.6		1.10	5.00	ug/L
91-20-3	Naphthalene	20.6		1.40	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.6		1.40	5.00	ug/L
74-88-4	Methyl Iodide	18.3		0.94	5.00	ug/L
80-62-6	Methyl methacrylate	19.9		1.00	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.4		91 - 110	101%	SPK: 30
2037-26-5	Toluene-d8	29.0		91 - 112	97%	SPK: 30
460-00-4	4-Bromofluorobenzene	30.0		63 - 112	100%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	29900	7.812			
540-36-3	1,4-Difluorobenzene	162000	9.1			
3114-55-4	Chlorobenzene-d5	149000	11.865			

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

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085209.D
Acq On : 16 Dec 2024 10:57
Operator : JC\MD
Sample : VN1216WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 16 12:21:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations APPROVED
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	29855	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	161867	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	148673	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	72034	30.408	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.367%				
60) 4-Bromofluorobenzene	12.847	95	73852	30.022	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.067%				
63) Toluene-d8	10.565	98	202306	29.009	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 96.700%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	48095	20.136	ug/l		96
3) Chloromethane	2.359	50	40344	19.083	ug/l		92
4) Vinyl Chloride	2.512	62	45267	20.934	ug/l		96
5) Bromomethane	2.965	94	27446	19.991	ug/l		99
6) Chloroethane	3.118	64	28186	21.216	ug/l		95
7) Trichlorofluoromethane	3.501	101	72820	20.573	ug/l		97
8) Diethyl Ether	3.959	74	23793	21.222	ug/l		99
9) 1,1,2-Trichlorotrifluo...	4.371	101	39414	19.912	ug/l		88
10) 1,1-Dichloroethene	4.342	96	36096	19.853	ug/l		96
11) Methyl Iodide	4.589	142	46064	18.268	ug/l		97
12) Methyl Acetate	5.024	43	46738	21.790	ug/l		96
13) Acrolein	4.177	56	35773	114.765	ug/l		99
14) Acrylonitrile	5.718	53	91712	102.973	ug/l		96
15) Acetone	4.424	58	29139	120.730	ug/l		83
16) Carbon Disulfide	4.712	76	105348	19.385	ug/l		97
17) Allyl chloride	5.024	41	52512	20.184	ug/l		99
18) Methylene Chloride	5.277	84	41210	19.976	ug/l		92
19) trans-1,2-Dichloroethene	5.777	96	36574	19.353	ug/l		92
20) Diisopropyl ether	6.671	45	118990	20.841	ug/l		96
21) 1,1-Dichloroethane	6.565	63	71674	20.339	ug/l		99
22) cis-1,2-Dichloroethene	7.483	96	44718	20.587	ug/l		99
23) tert-Butyl Alcohol	5.512	59	35358	110.664	ug/l	#	100
24) Methyl tert-Butyl Ether	5.795	73	121741	21.432	ug/l	#	74
25) Chloroform	7.965	83	74641	20.218	ug/l		100
26) Cyclohexane	8.253	56	56899	19.610	ug/l	#	93
29) 1,1-Dichloropropene	8.371	75	51348	19.659	ug/l		95
30) 2-Butanone	7.477	43	130125	108.562	ug/l		98
31) 2,2-Dichloropropane	7.483	77	65963	19.694	ug/l	#	100
32) 1,1,1-Trichloroethane	8.165	97	68382	19.342	ug/l		97
33) Carbon Tetrachloride	8.365	117	61882	19.398	ug/l		93
34) Benzene	8.600	78	159828	19.479	ug/l	#	97
35) Methacrylonitrile	7.777	41	27030	20.039	ug/l		93
36) 1,2-Dichloroethane	8.665	62	54876	19.646	ug/l		99
37) Trichloroethene	9.347	130	38098	19.498	ug/l		95
38) Methylcyclohexane	9.600	83	53887	18.974	ug/l		96
39) 1,2-Dichloropropane	9.618	63	38165	19.203	ug/l		89
40) Dibromomethane	9.706	93	28463	19.966	ug/l		98
41) Bromodichloromethane	9.888	83	61025	20.024	ug/l		92
42) Vinyl Acetate	6.600	43	445381	106.188	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085209.D
Acq On : 16 Dec 2024 10:57
Operator : JC\MD
Sample : VN1216WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 16 12:21:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations APPROVED
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.553	43	49449	20.734 ug/l #	92
44) Isopropyl Acetate	8.683	43	85730	20.685 ug/l	97
45) 1,4-Dioxane	9.694	88	14082	407.451 ug/l #	92
46) Methyl methacrylate	9.677	41	37774	19.915 ug/l	93
47) n-amyl Acetate	12.488	43	69551	19.945 ug/l	98
48) t-1,3-Dichloropropene	10.835	75	59485	19.884 ug/l	100
49) cis-1,3-Dichloropropene	10.306	75	64591	19.833 ug/l	97
50) 1,1,2-Trichloroethane	11.012	97	37876	19.717 ug/l #	93
51) Ethyl methacrylate	10.871	69	59503	20.365 ug/l	90
52) 1,3-Dichloropropane	11.159	76	65044	20.232 ug/l	98
53) Dibromochloromethane	11.359	129	46465	19.848 ug/l	96
54) 1,2-Dibromoethane	11.465	107	38069	19.669 ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	157517	116.053 ug/l	100
56) Bromoform	12.576	173	31005	19.753 ug/l #	97
58) 4-Methyl-2-Pentanone	10.441	43	251194	103.526 ug/l	98
59) 2-Hexanone	11.194	43	189877	103.278 ug/l	97
61) Tetrachloroethene	11.100	164	35715	19.837 ug/l	95
62) Toluene	10.630	91	169444	19.542 ug/l	100
64) Chlorobenzene	11.888	112	105294	19.669 ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	41250	20.641 ug/l	93
66) Ethyl Benzene	11.959	91	180260	19.592 ug/l	95
67) m/p-Xylenes	12.071	106	139966	39.552 ug/l	99
68) o-Xylene	12.394	106	67500	20.311 ug/l	98
69) Styrene	12.406	104	113349	20.099 ug/l	100
70) Isopropylbenzene	12.694	105	170936	19.942 ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	53129	20.363 ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	42929m	16.657 ug/l	
73) Bromobenzene	12.976	156	43049	20.050 ug/l	99
74) n-propylbenzene	13.035	91	197415	19.157 ug/l	99
75) 2-Chlorotoluene	13.123	91	126567	19.864 ug/l	99
76) 1,3,5-Trimethylbenzene	13.171	105	143813	19.583 ug/l	98
77) t-1,4-Dichloro-2-butene	12.729	75	19066	20.358 ug/l	92
78) 4-Chlorotoluene	13.218	91	126224	19.518 ug/l	100
79) tert-butylbenzene	13.435	119	119154	19.754 ug/l	98
80) 1,2,4-Trimethylbenzene	13.476	105	145777	20.096 ug/l	99
81) sec-Butylbenzene	13.618	105	169356	19.763 ug/l	98
82) p-Isopropyltoluene	13.723	119	140763	19.813 ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	77122	19.578 ug/l	100
84) 1,4-Dichlorobenzene	13.812	146	76595	19.952 ug/l	99
85) n-Butylbenzene	14.053	91	114947	19.288 ug/l	99
86) Hexachloroethane	14.335	117	27662	19.558 ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	75009	20.174 ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11257	21.598 ug/l	99
89) 1,2,4-Trichlorobenzene	15.841	180	37581	20.638 ug/l	96
90) Hexachlorobutadiene	15.500	225	19537	20.647 ug/l	96
91) Naphthalene	15.635	128	116630	20.616 ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	37581	20.638 ug/l	96

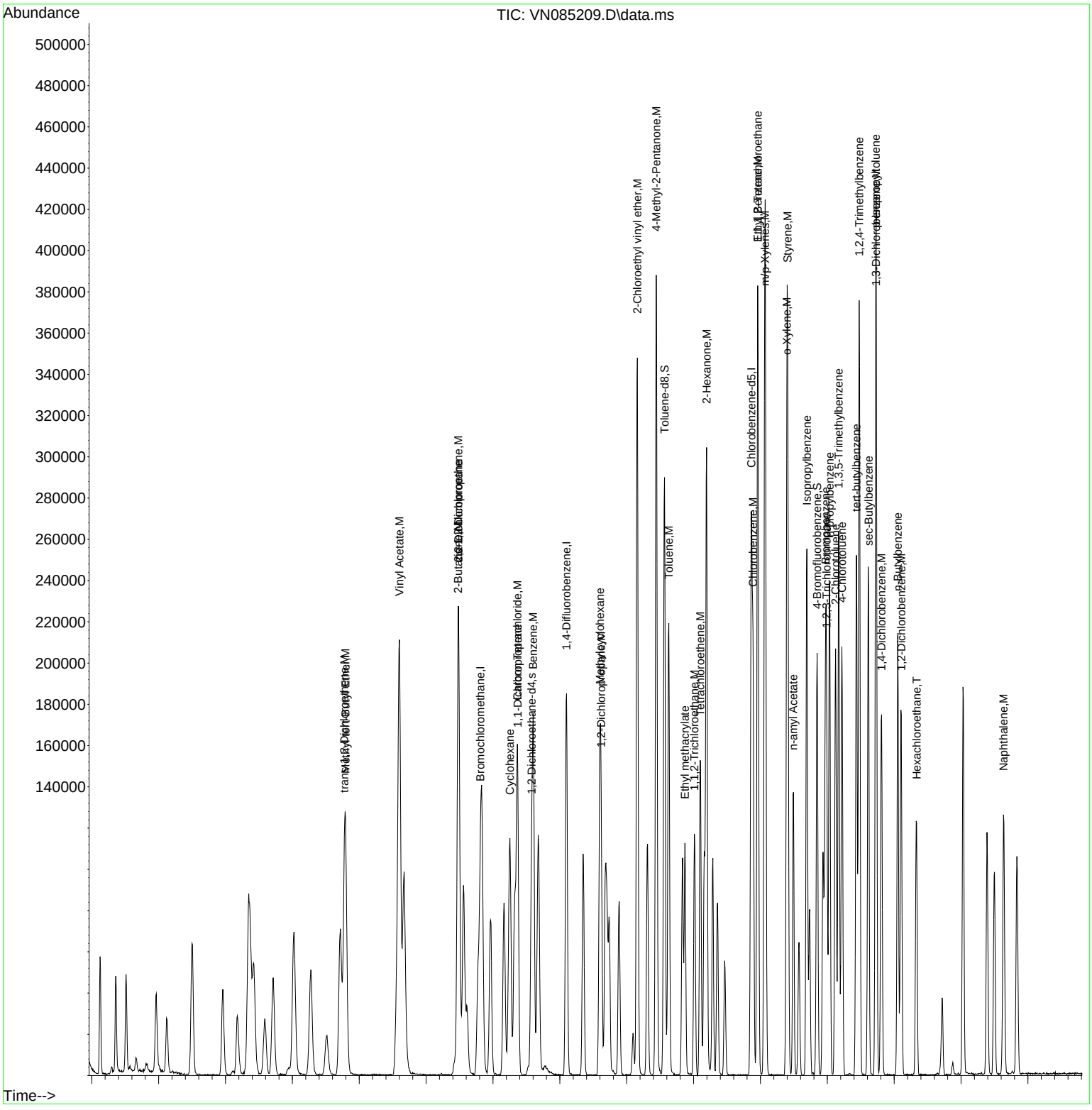
(#) = qualifier out of range (m) = manual integration (+) = signals summed

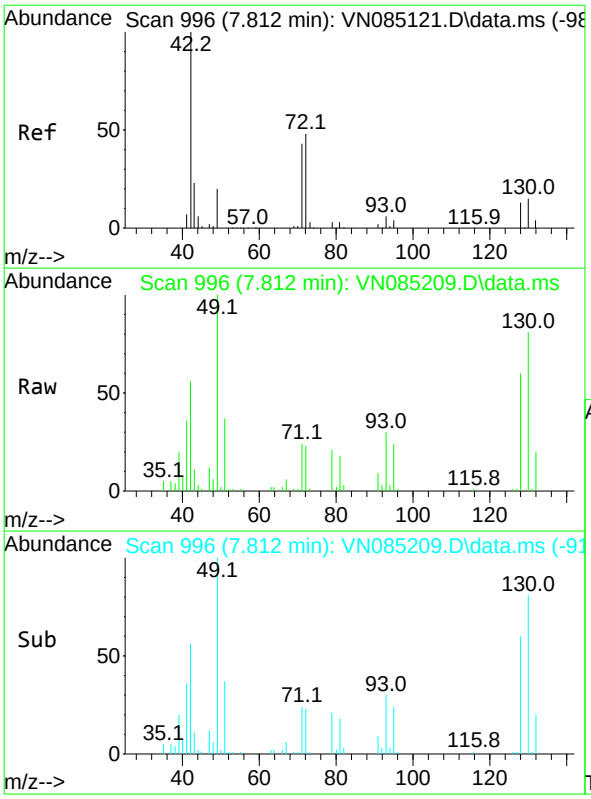
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085209.D
Acq On : 16 Dec 2024 10:57
Operator : JC\MD
Sample : VN1216WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 16 12:21:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations APPROVED
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

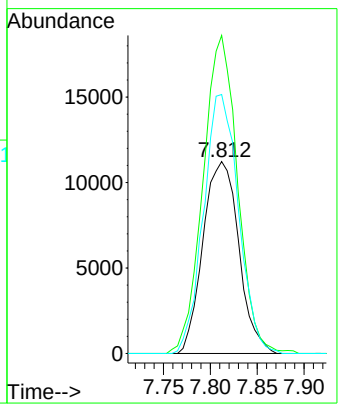




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:128 Resp: 29855

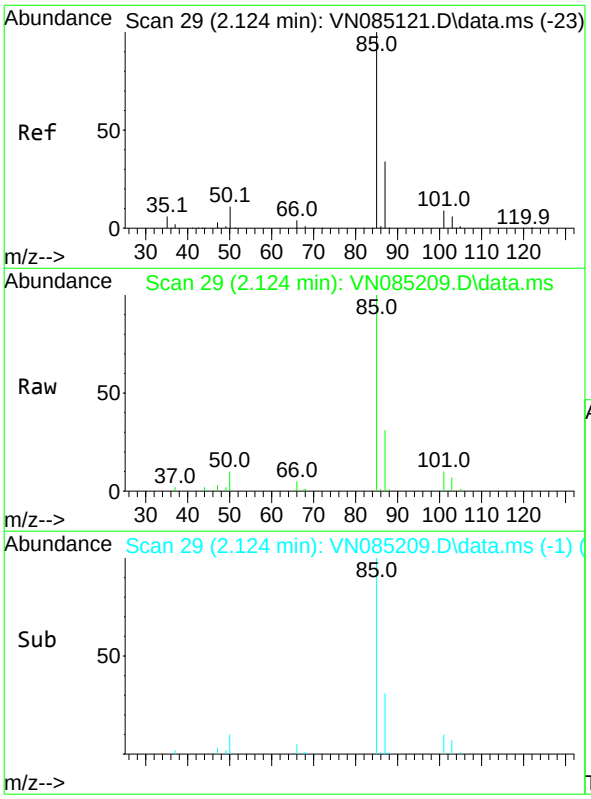
Ion	Ratio	Lower	Upper
128	100		
49	158.9	0.0	394.5
130	131.8	0.0	316.5



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

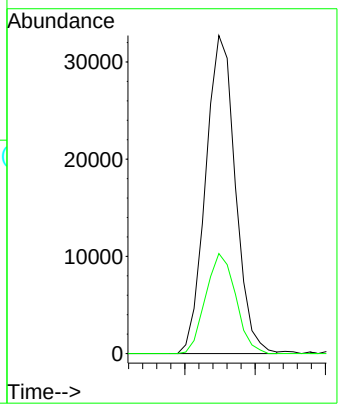
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

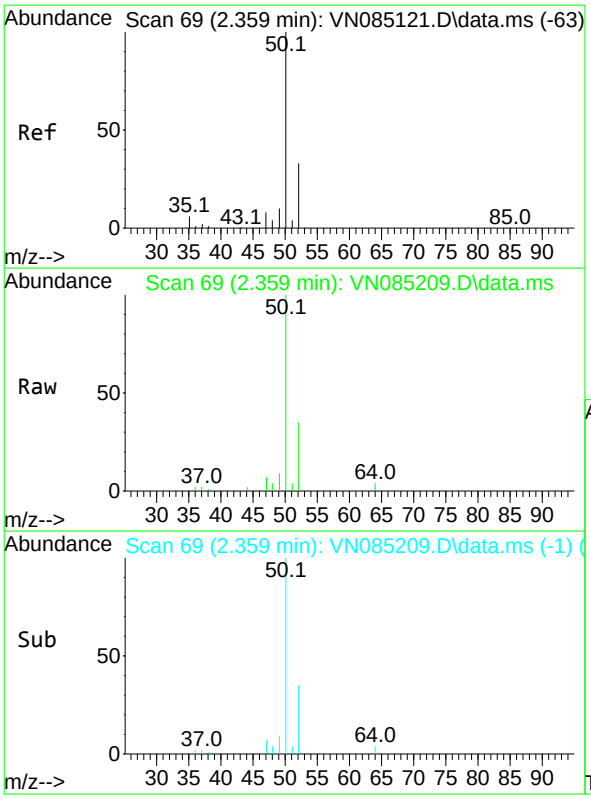


#2
Dichlorodifluoromethane
Concen: 20.136 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 85 Resp: 48095

Ion	Ratio	Lower	Upper
85	100		
87	31.5	16.8	50.3

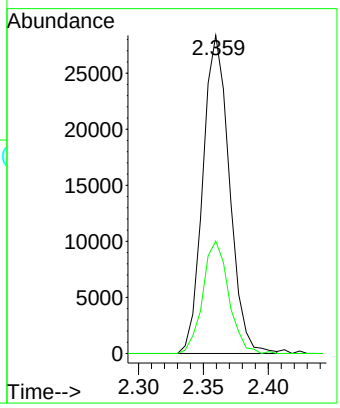




#3
Chloromethane
Concen: 19.083 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 50 Resp: 40344

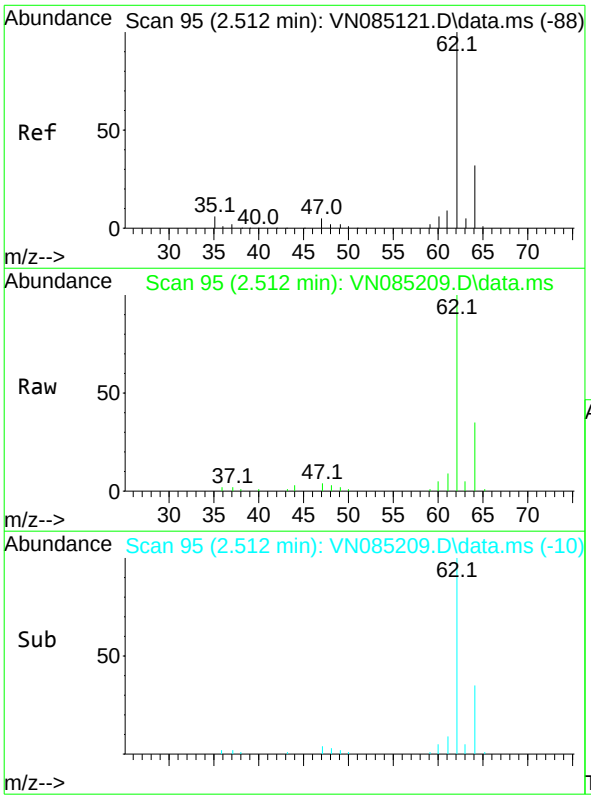
Ion	Ratio	Lower	Upper
50	100		
52	35.3	25.0	37.4



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations APPROVED

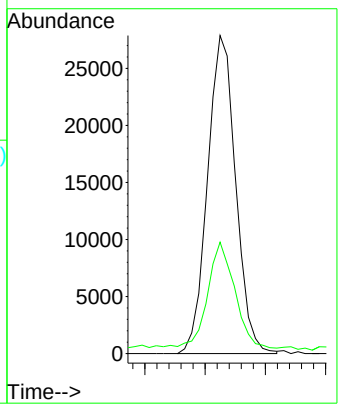
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

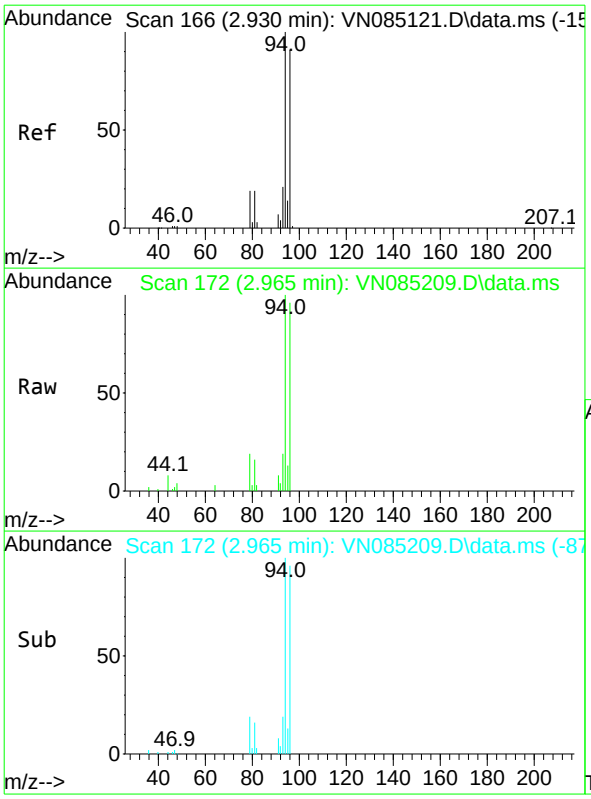


#4
Vinyl Chloride
Concen: 20.934 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 62 Resp: 45267

Ion	Ratio	Lower	Upper
62	100		
64	33.3	24.9	37.3

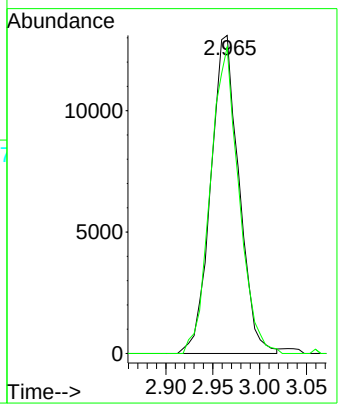




#5
Bromomethane
Concen: 19.991 ug/l
RT: 2.965 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 94 Resp: 27446

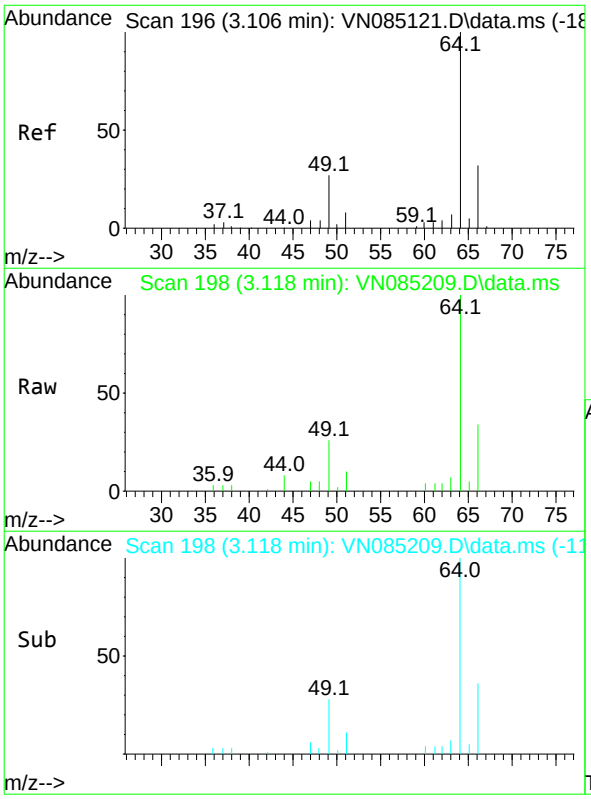
Ion	Ratio	Lower	Upper
94	100		
96	96.4	76.2	114.4



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

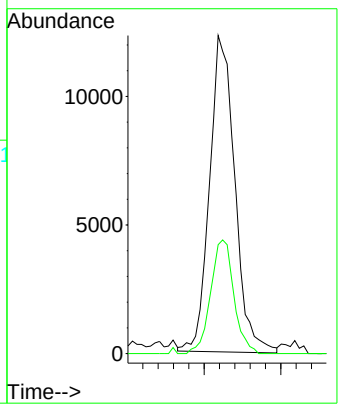
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

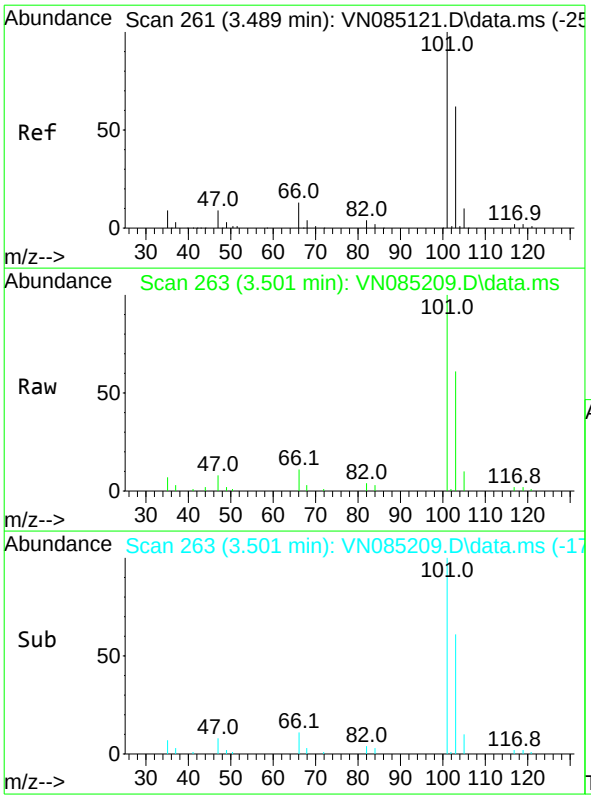


#6
Chloroethane
Concen: 21.216 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 64 Resp: 28186

Ion	Ratio	Lower	Upper
64	100		
66	34.9	25.5	38.3

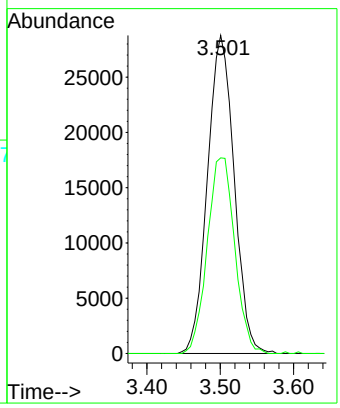




#7
Trichlorofluoromethane
Concen: 20.573 ug/l
RT: 3.501 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:101 Resp: 72820

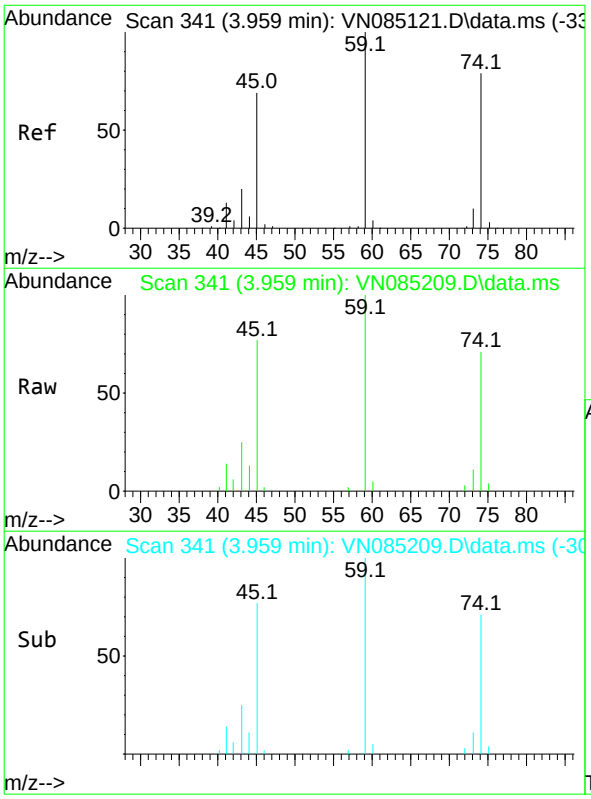
Ion	Ratio	Lower	Upper
101	100		
103	61.5	51.3	76.9



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

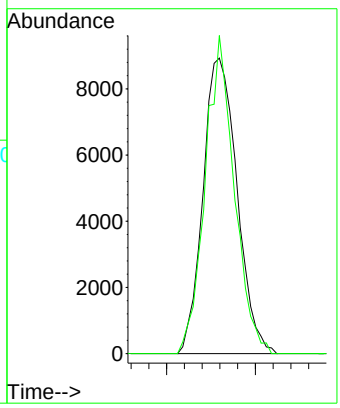
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

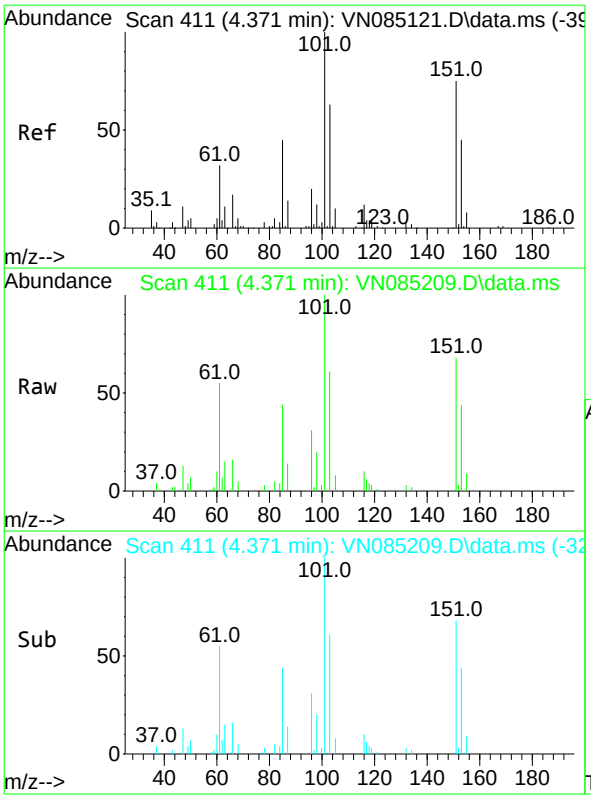


#8
Diethyl Ether
Concen: 21.222 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 74 Resp: 23793

Ion	Ratio	Lower	Upper
74	100		
45	92.1	18.6	167.8

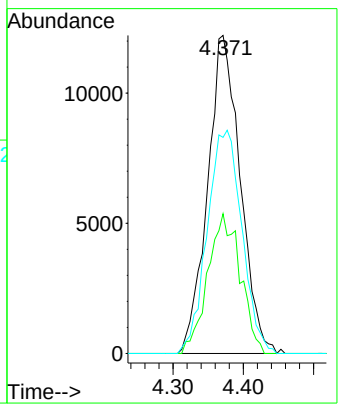




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.912 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:101 Resp: 39414

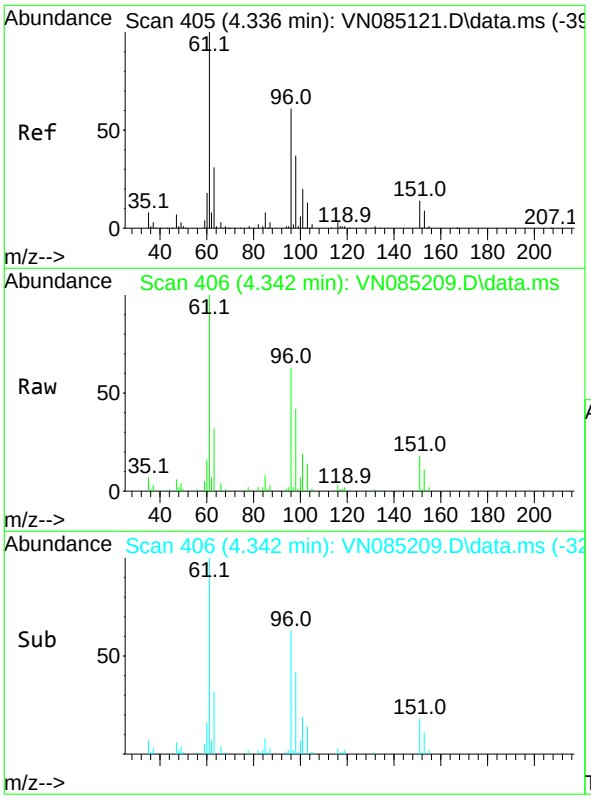
Ion	Ratio	Lower	Upper
101	100		
85	27.1	0.0	88.6
151	74.7	0.0	155.8



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

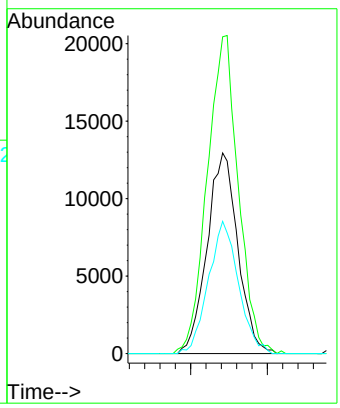
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

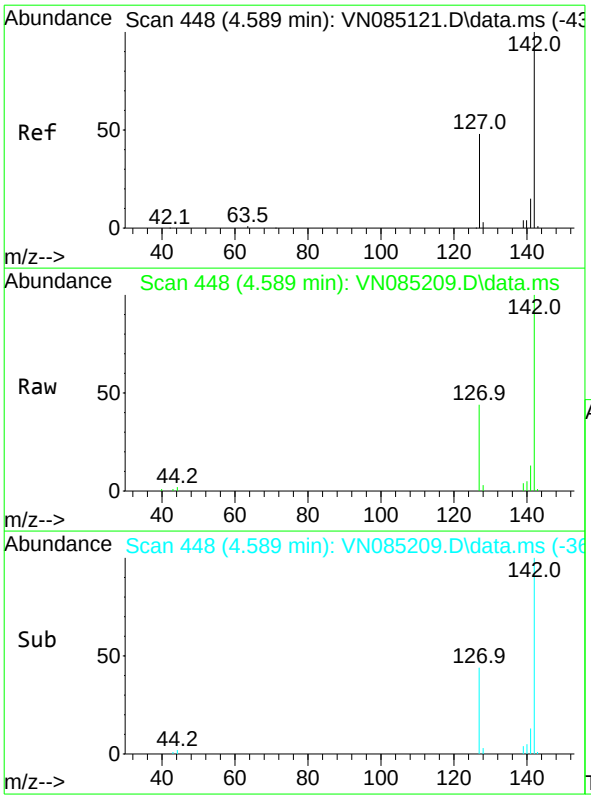


#10
1,1-Dichloroethene
Concen: 19.853 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 96 Resp: 36096

Ion	Ratio	Lower	Upper
96	100		
61	157.9	123.0	184.4
98	65.9	49.1	73.7

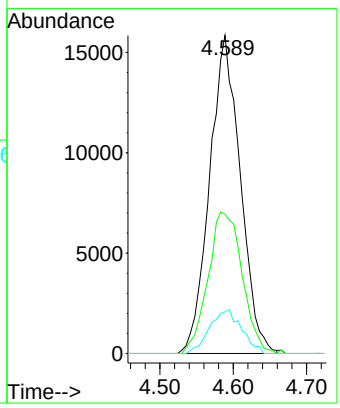




#11
Methyl Iodide
Concen: 18.268 ug/l
RT: 4.589 min Scan# 44
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:142 Resp: 46064

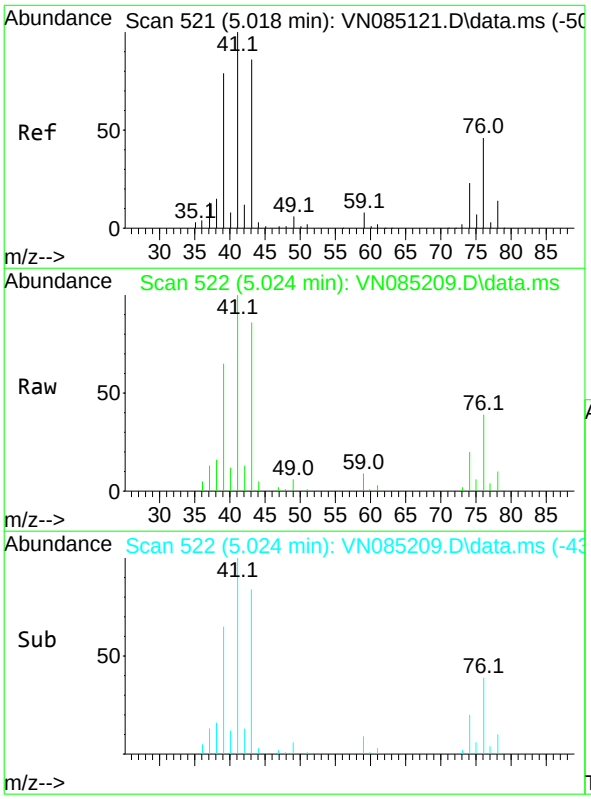
Ion	Ratio	Lower	Upper
142	100		
127	44.0	22.5	67.5
141	13.2	8.3	24.9



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

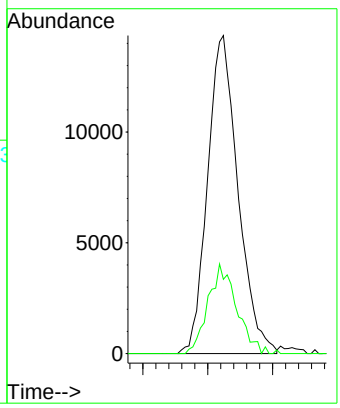
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

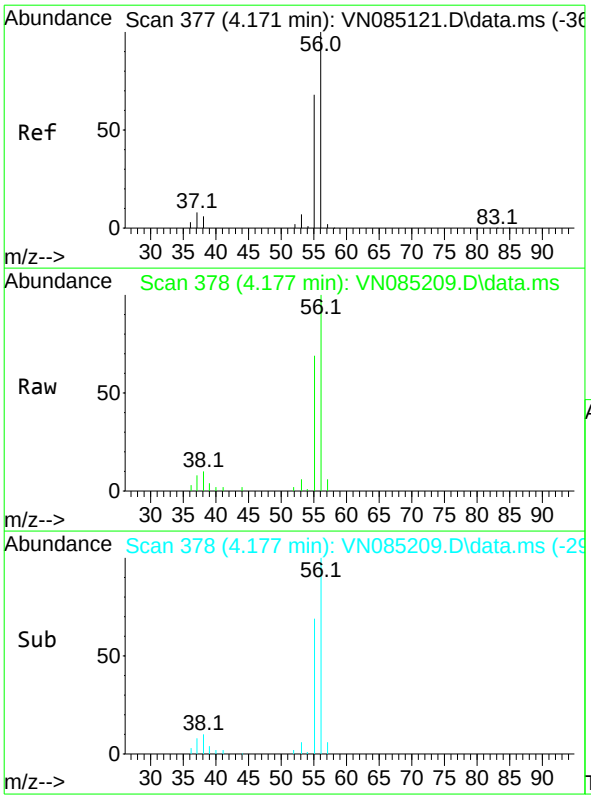


#12
Methyl Acetate
Concen: 21.790 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 43 Resp: 46738

Ion	Ratio	Lower	Upper
43	100		
74	22.9	19.8	29.6

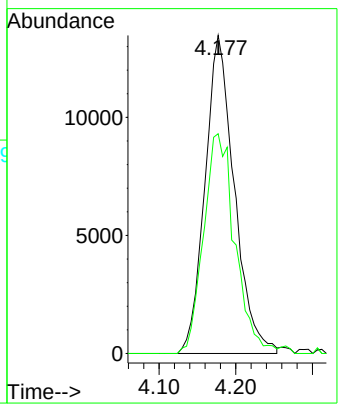




#13
Acrolein
Concen: 114.765 ug/l
RT: 4.177 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 56 Resp: 35773

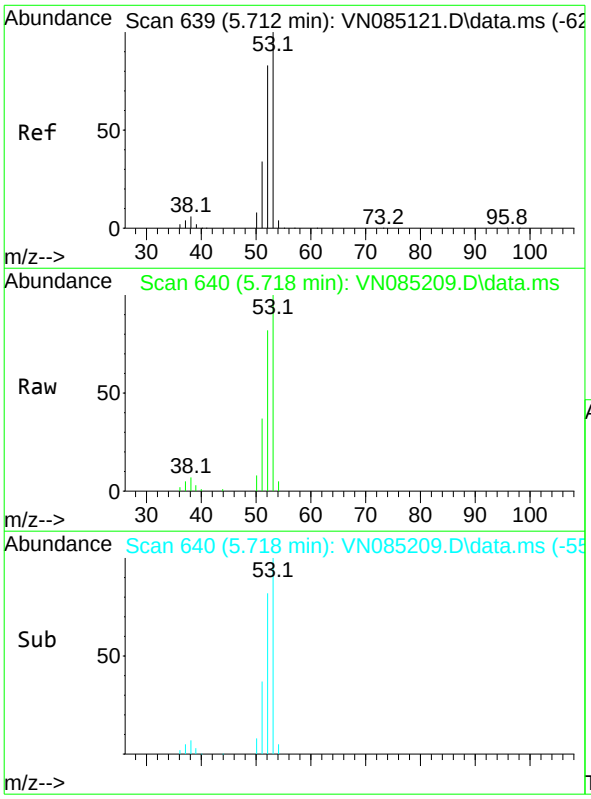
Ion	Ratio	Lower	Upper
56	100		
55	73.0	59.4	89.0



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

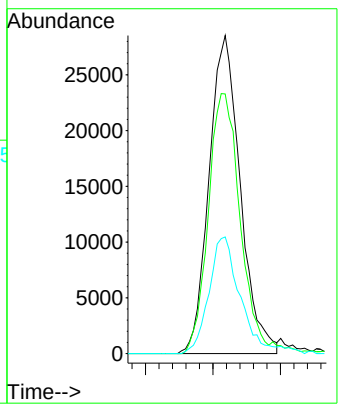
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

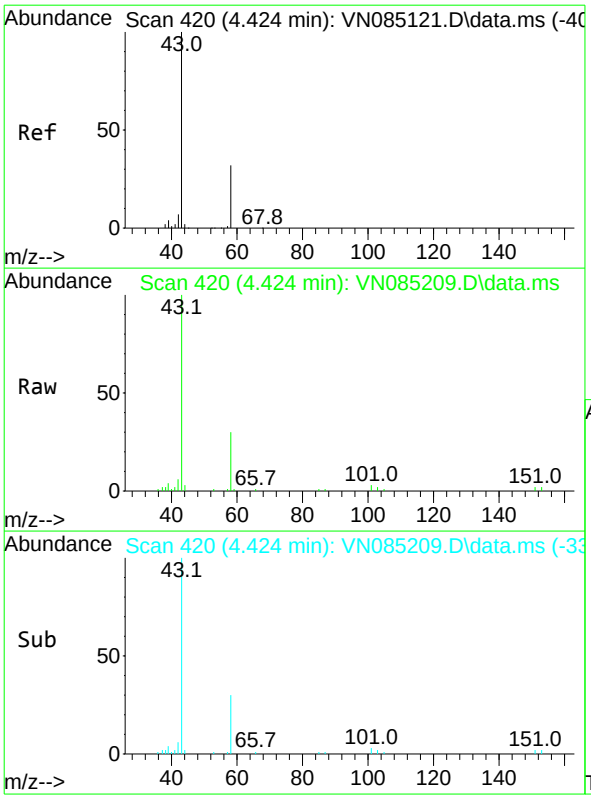


#14
Acrylonitrile
Concen: 102.973 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 53 Resp: 91712

Ion	Ratio	Lower	Upper
53	100		
52	82.4	42.9	128.5
51	36.2	17.2	51.5

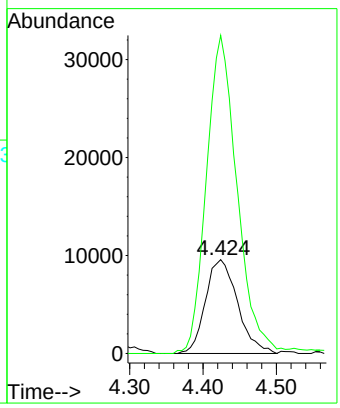




#15
Acetone
Concen: 120.730 ug/l
RT: 4.424 min Scan# 42
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 58 Resp: 29139

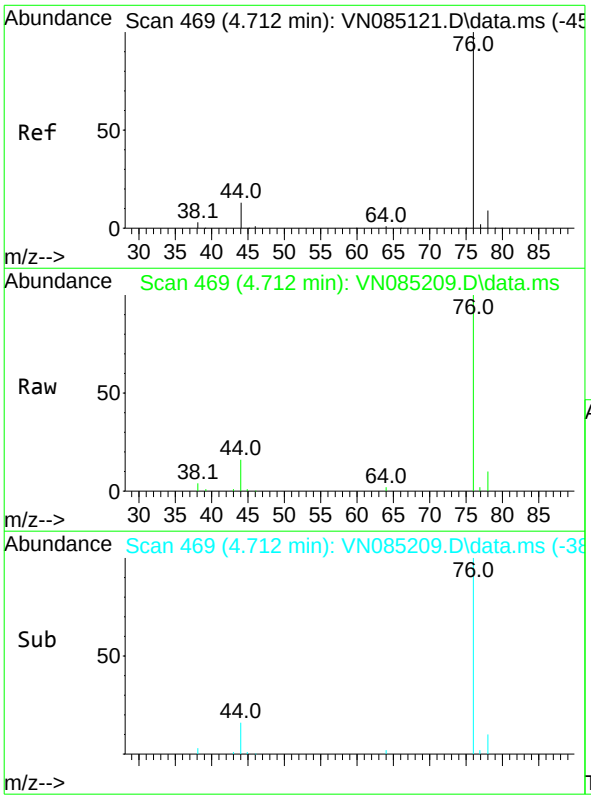
Ion	Ratio	Lower	Upper
58	100		
43	335.6	242.3	363.5



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

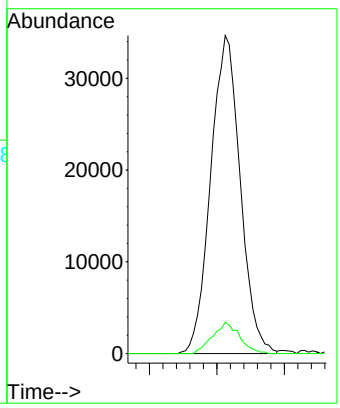
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

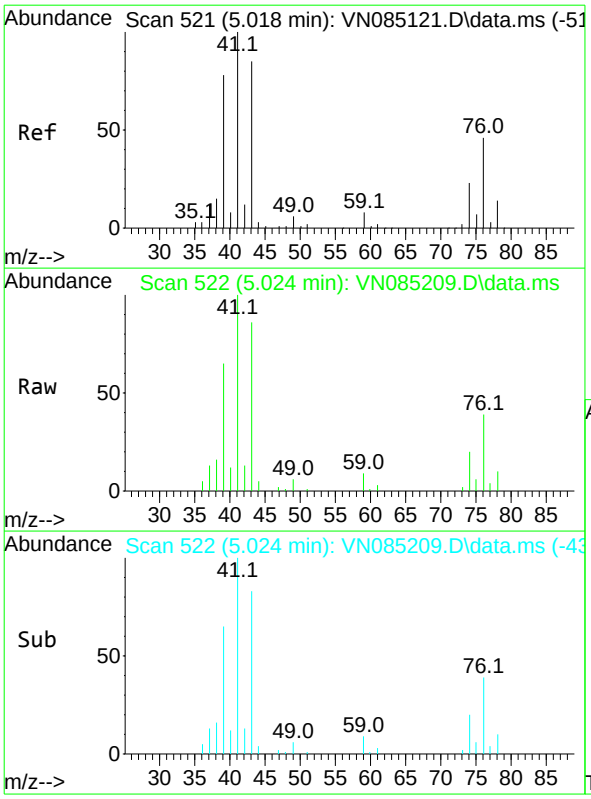


#16
Carbon Disulfide
Concen: 19.385 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 76 Resp: 105348

Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.1	10.7

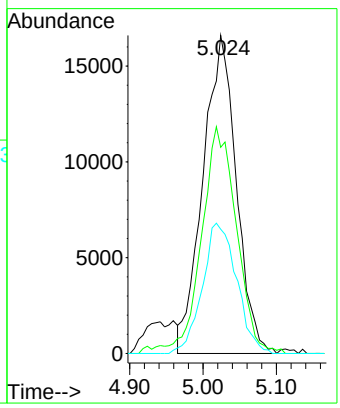




#17
Allyl chloride
Concen: 20.184 ug/l
RT: 5.024 min Scan# 52
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 41 Resp: 52512

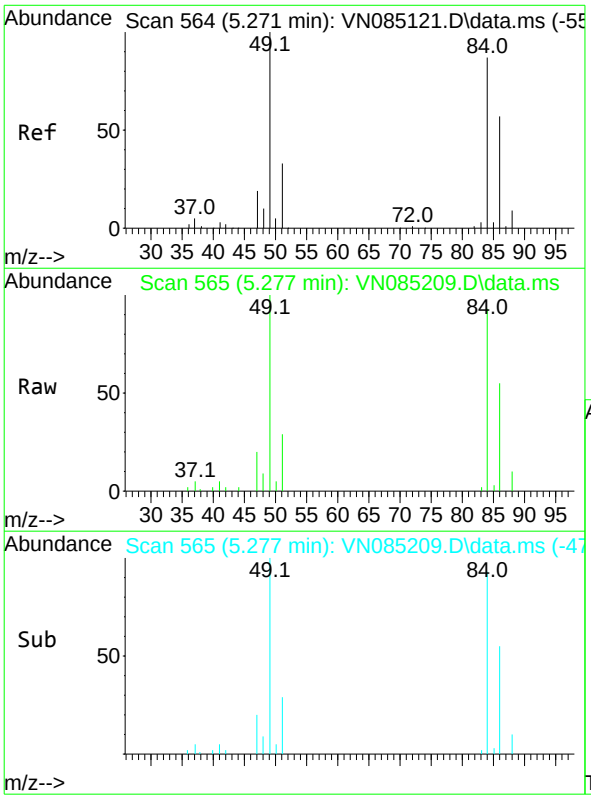
Ion	Ratio	Lower	Upper
41	100		
39	63.8	32.0	96.2
76	39.1	20.2	60.5



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

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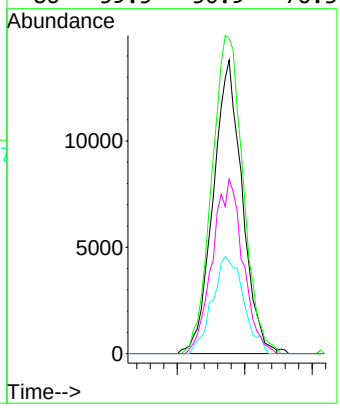
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

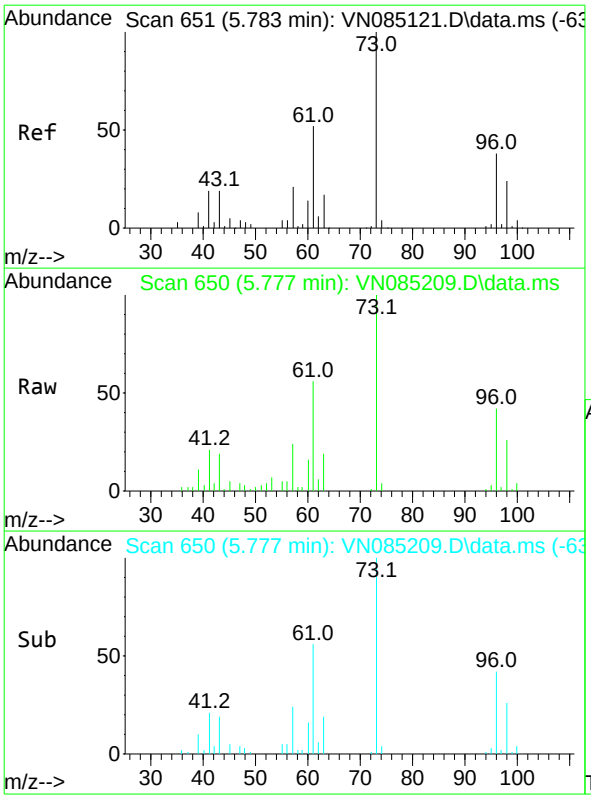


#18
Methylene Chloride
Concen: 19.976 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 84 Resp: 41210

Ion	Ratio	Lower	Upper
84	100		
49	107.5	95.1	142.7
51	31.5	27.4	41.0
86	59.5	50.9	76.3

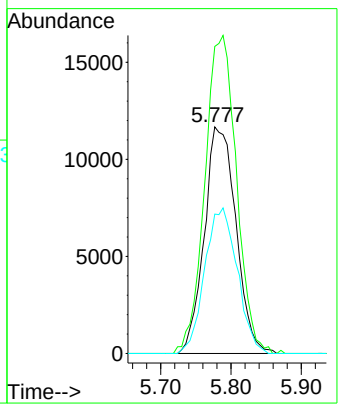




#19
trans-1,2-Dichloroethene
Concen: 19.353 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 96 Resp: 36574

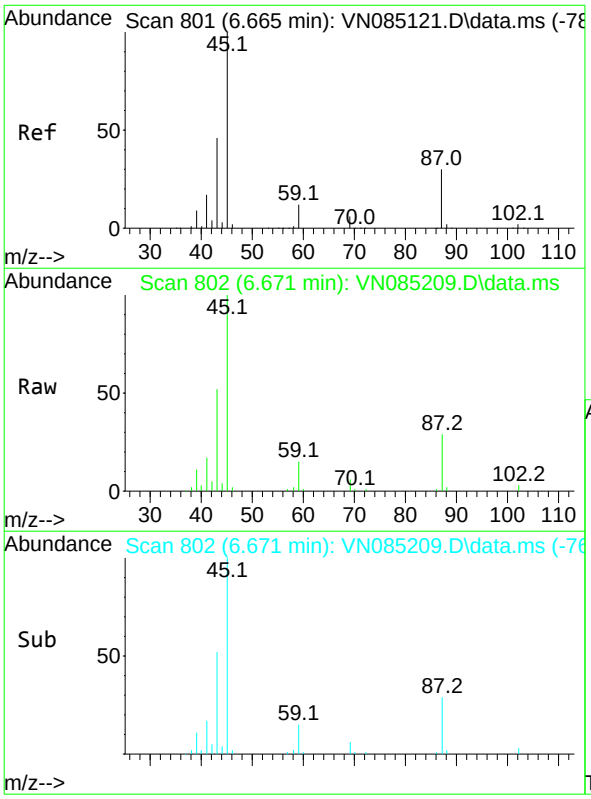
Ion	Ratio	Lower	Upper
96	100		
61	135.5	100.4	150.6
98	61.5	52.6	79.0



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

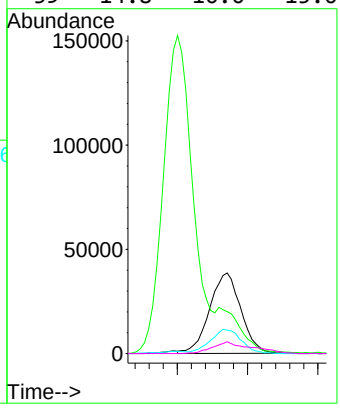
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

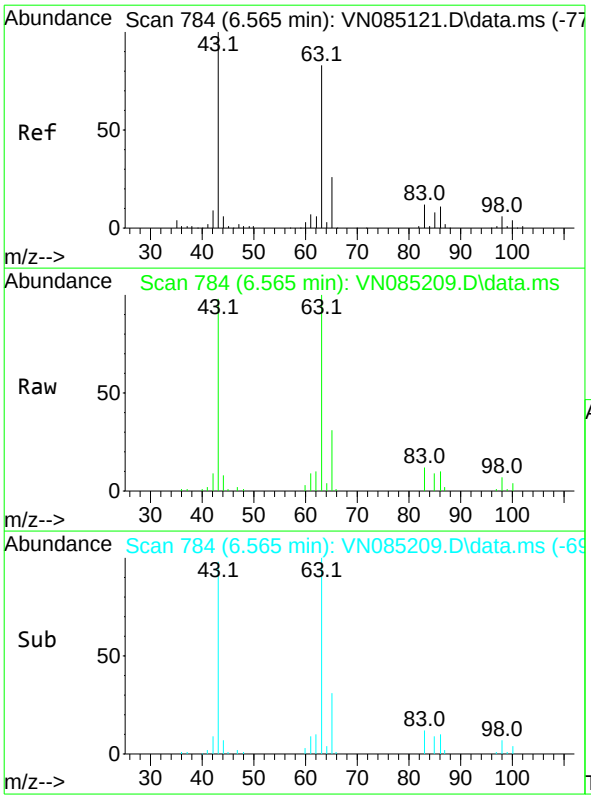


#20
Diisopropyl ether
Concen: 20.841 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 45 Resp: 118990

Ion	Ratio	Lower	Upper
45	100		
43	49.4	41.9	62.9
87	29.3	24.1	36.1
59	14.8	10.0	15.0

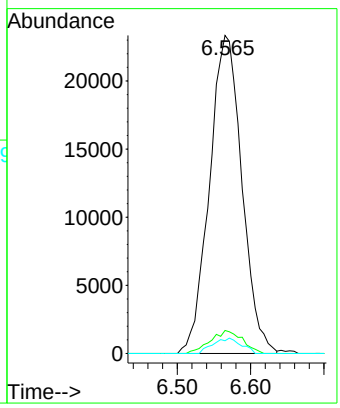




#21
1,1-Dichloroethane
Concen: 20.339 ug/l
RT: 6.565 min Scan# 78
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 63 Resp: 71674

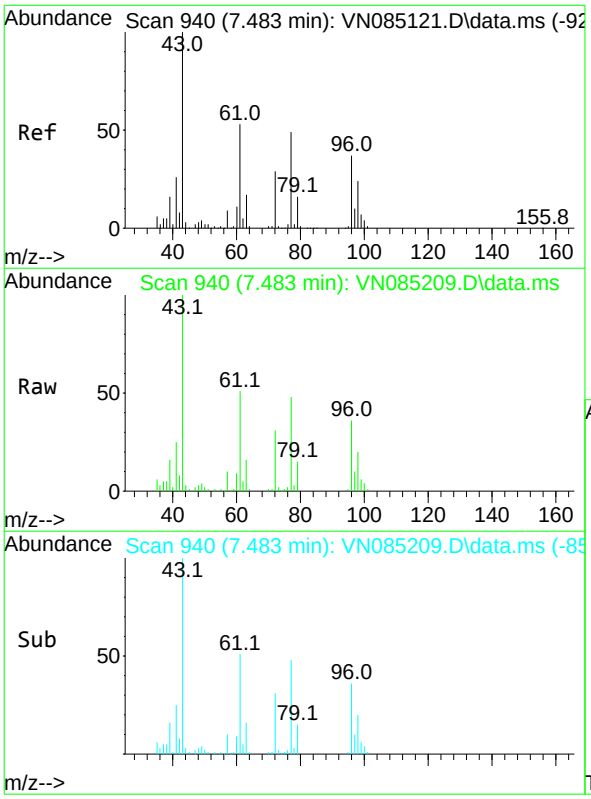
Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.4
100	4.0	1.6	4.8



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
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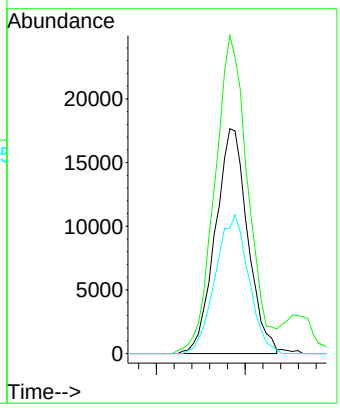
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

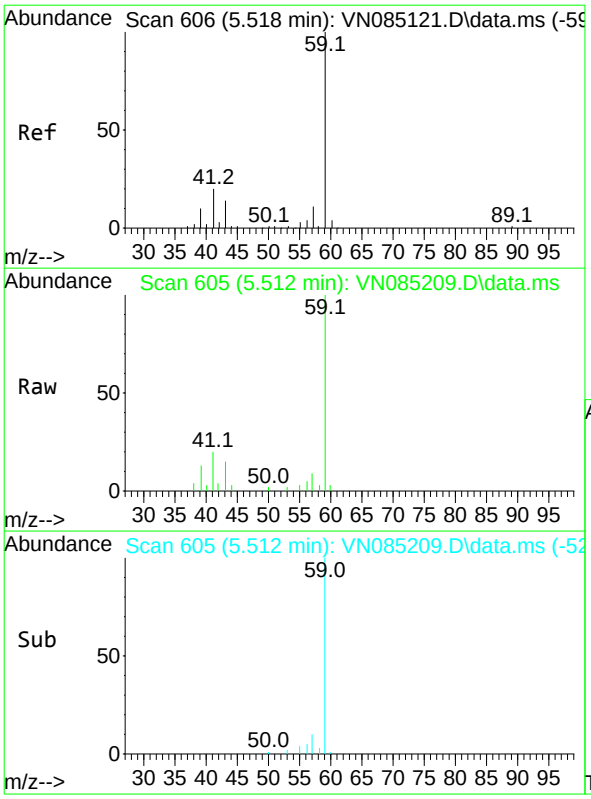


#22
cis-1,2-Dichloroethene
Concen: 20.587 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 96 Resp: 44718

Ion	Ratio	Lower	Upper
96	100		
61	143.9	115.9	173.9
98	63.4	51.8	77.8

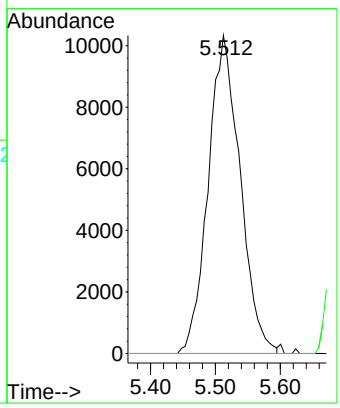




#23
tert-Butyl Alcohol
Concen: 110.664 ug/l
RT: 5.512 min Scan# 60
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 59 Resp: 35358

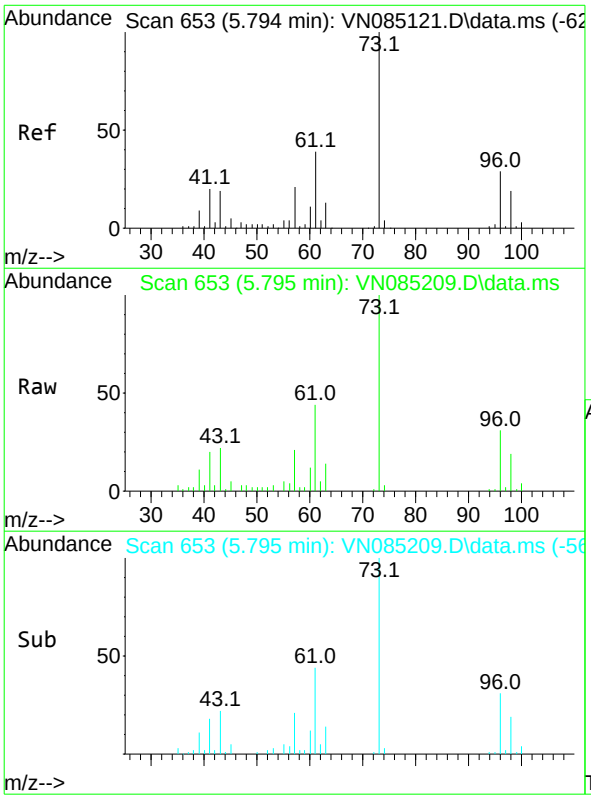
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
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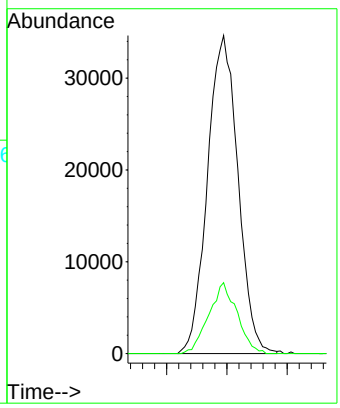
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

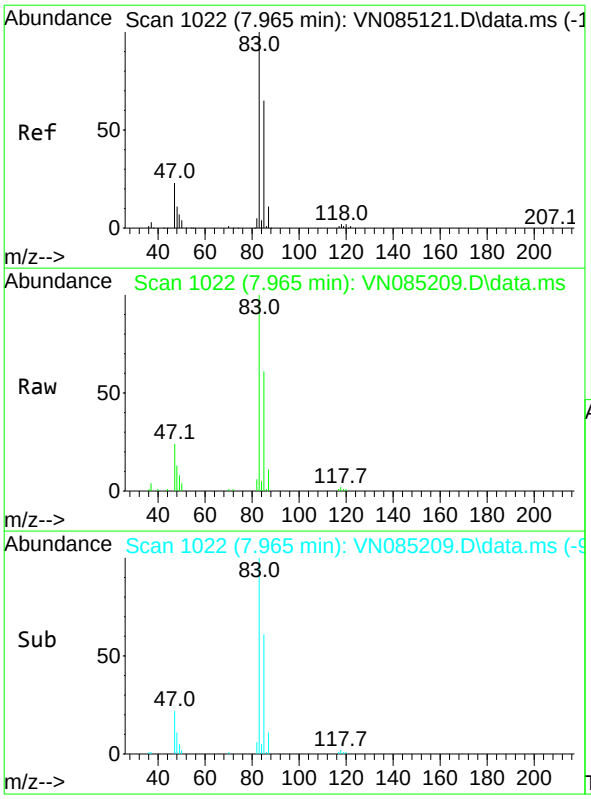


#24
Methyl tert-Butyl Ether
Concen: 21.432 ug/l
RT: 5.795 min Scan# 653
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 73 Resp: 121741

Ion	Ratio	Lower	Upper
73	100		
43	20.7	8.7	13.1#

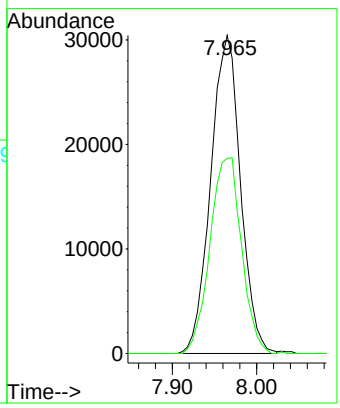




#25
Chloroform
Concen: 20.218 ug/l
RT: 7.965 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 83 Resp: 74641

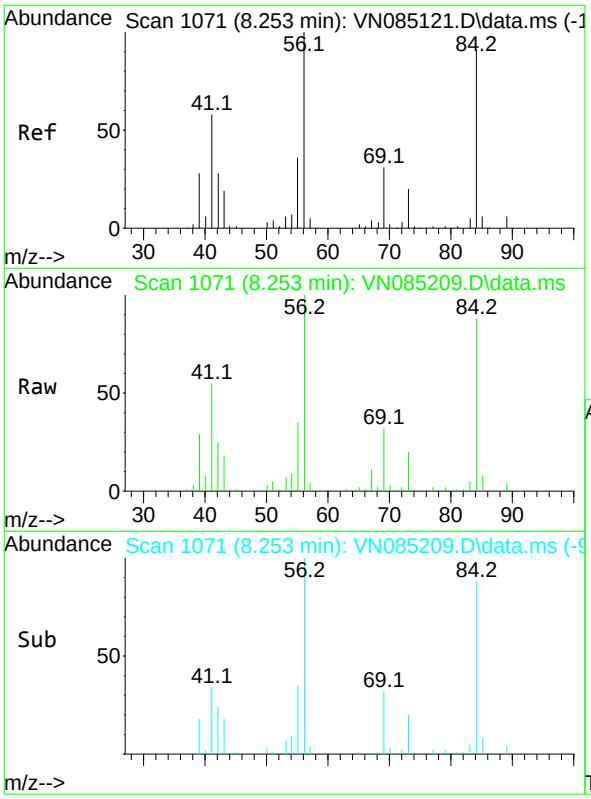
Ion	Ratio	Lower	Upper
83	100		
85	61.4	49.4	74.0



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

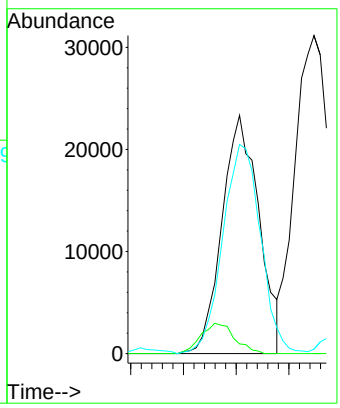
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

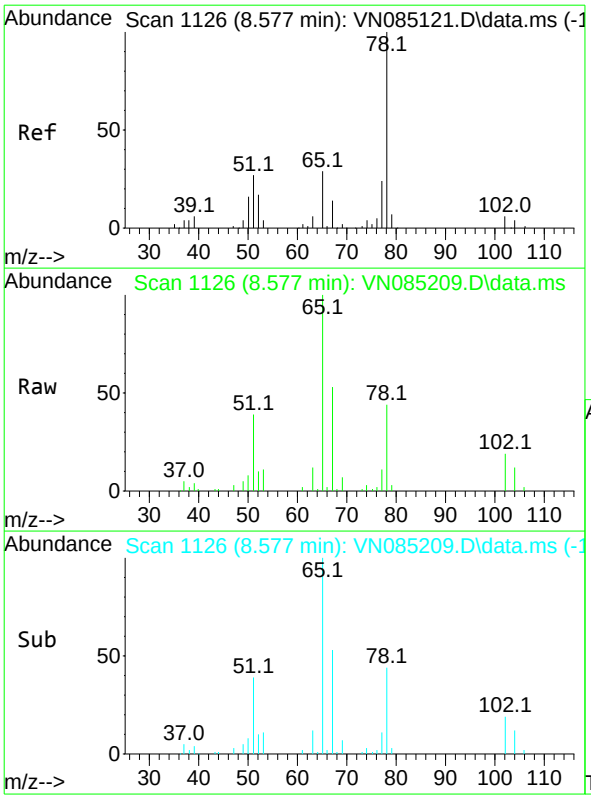


#26
Cyclohexane
Concen: 19.610 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 56 Resp: 56899

Ion	Ratio	Lower	Upper
56	100		
89	11.6	19.5	29.3#
84	89.9	70.6	105.8

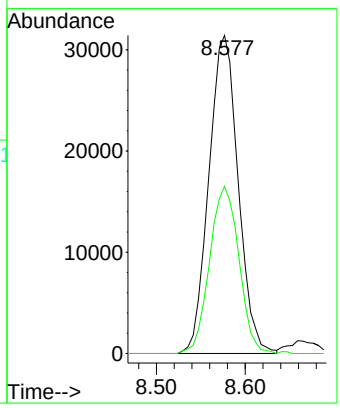




#27
1,2-Dichloroethane-d4
Concen: 30.408 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 65 Resp: 72034

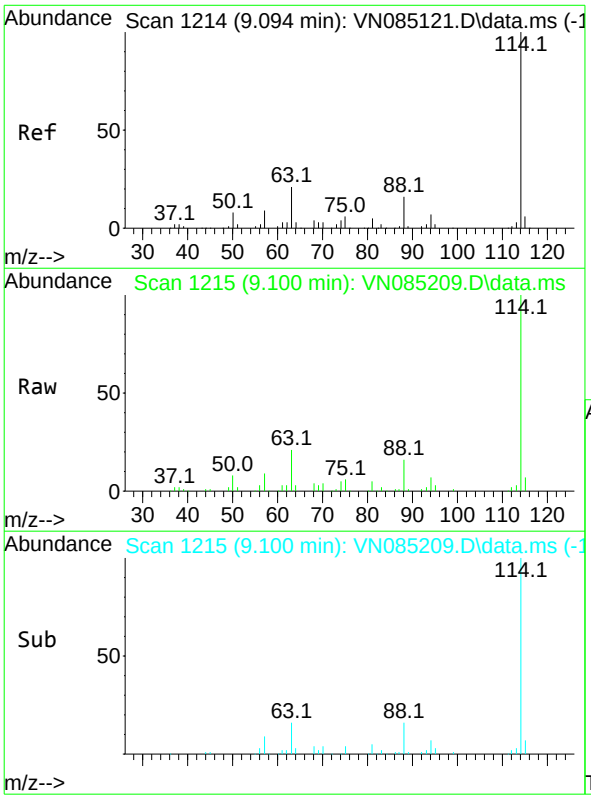
Ion	Ratio	Lower	Upper
65	100		
67	52.5	39.9	59.9



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

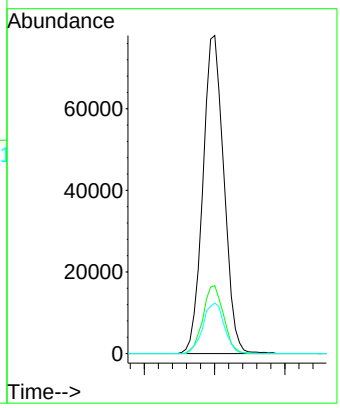
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

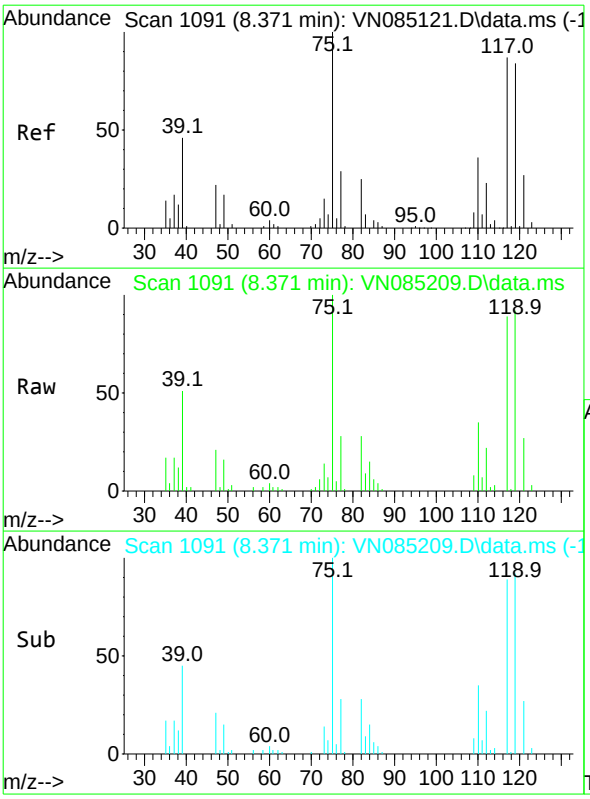


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:114 Resp: 161867

Ion	Ratio	Lower	Upper
114	100		
63	21.0	16.2	24.2
88	16.2	12.5	18.7

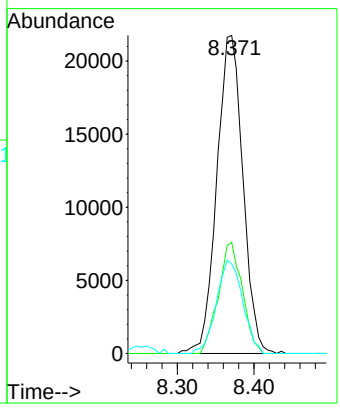




#29
1,1-Dichloropropene
Concen: 19.659 ug/l
RT: 8.371 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 75 Resp: 51348

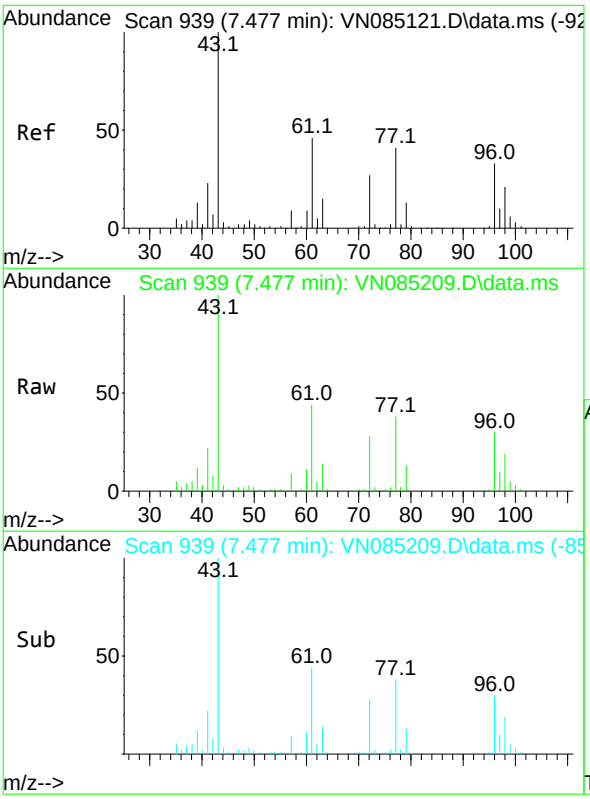
Ion	Ratio	Lower	Upper
75	100		
110	32.1	0.0	71.6
77	29.5	0.0	62.2



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
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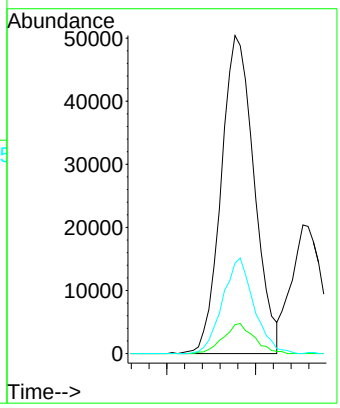
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

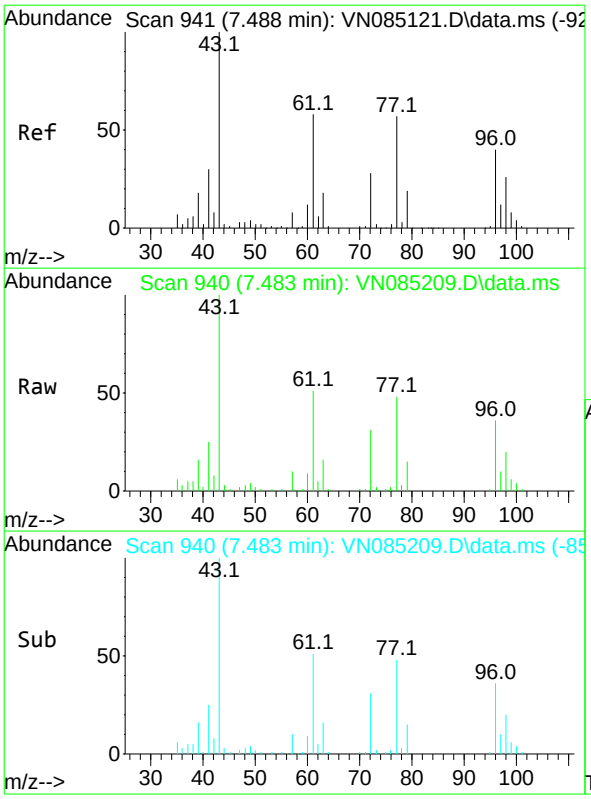


#30
2-Butanone
Concen: 108.562 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 43 Resp: 130125

Ion	Ratio	Lower	Upper
43	100		
57	8.9	6.9	10.3
72	28.6	21.8	32.8

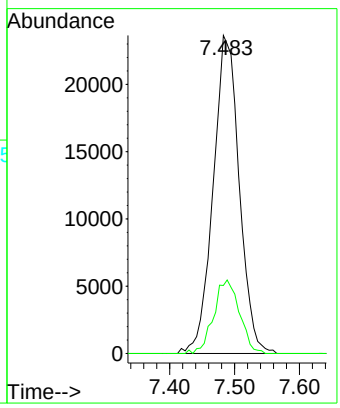




#31
2,2-Dichloropropane
Concen: 19.694 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 77 Resp: 65963

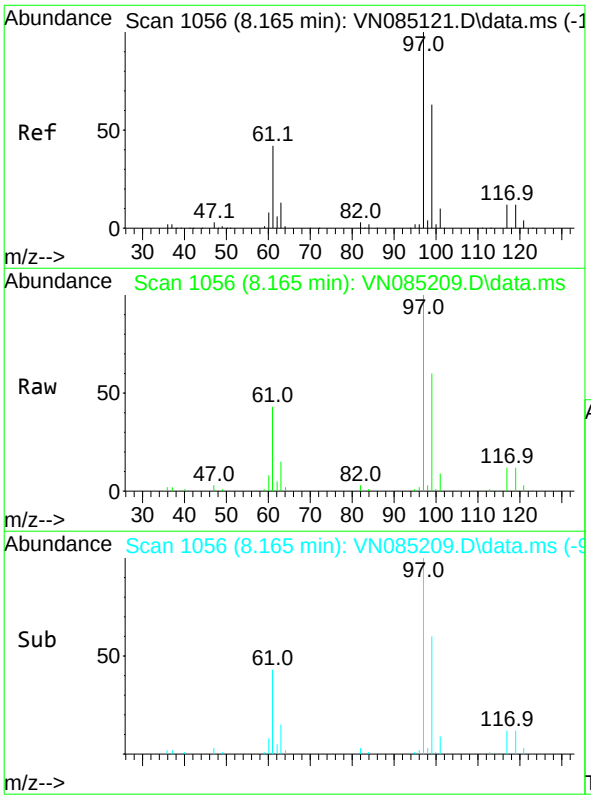
Ion	Ratio	Lower	Upper
77	100		
97	22.8	0.0	0.0#



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
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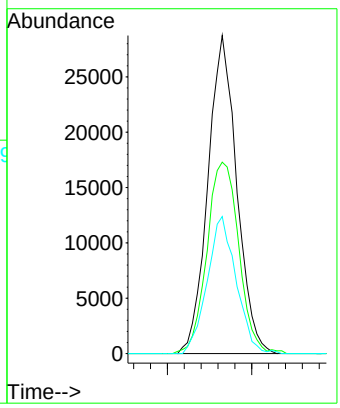
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

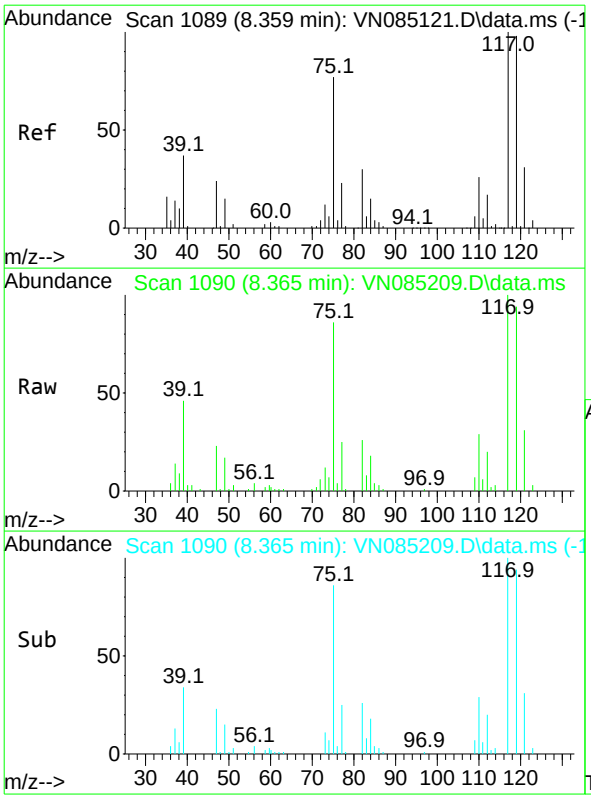


#32
1,1,1-Trichloroethane
Concen: 19.342 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 97 Resp: 68382

Ion	Ratio	Lower	Upper
97	100		
99	66.0	50.8	76.2
61	43.0	32.7	49.1

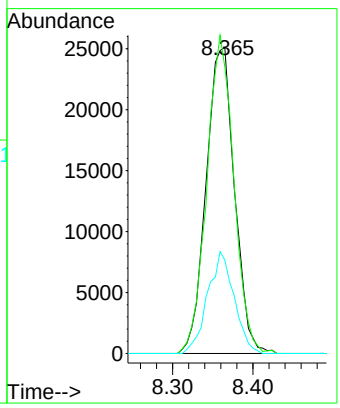




#33
Carbon Tetrachloride
Concen: 19.398 ug/l
RT: 8.365 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:117 Resp: 61882

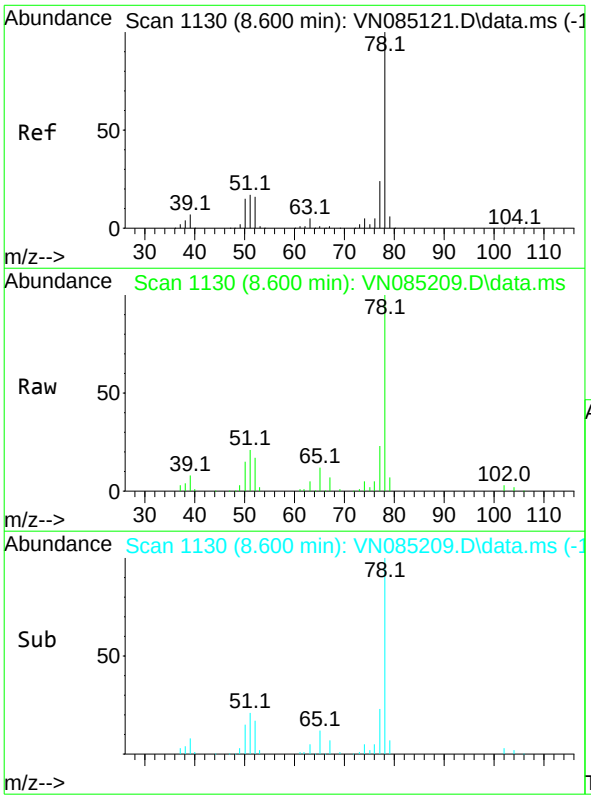
Ion	Ratio	Lower	Upper
117	100		
119	93.6	81.6	122.4
121	30.6	26.5	39.7



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
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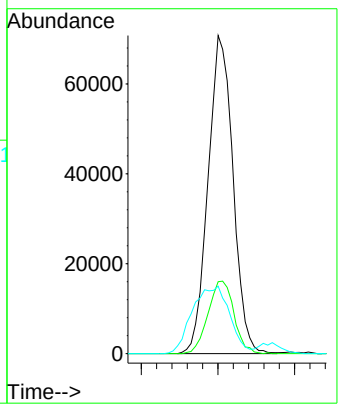
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

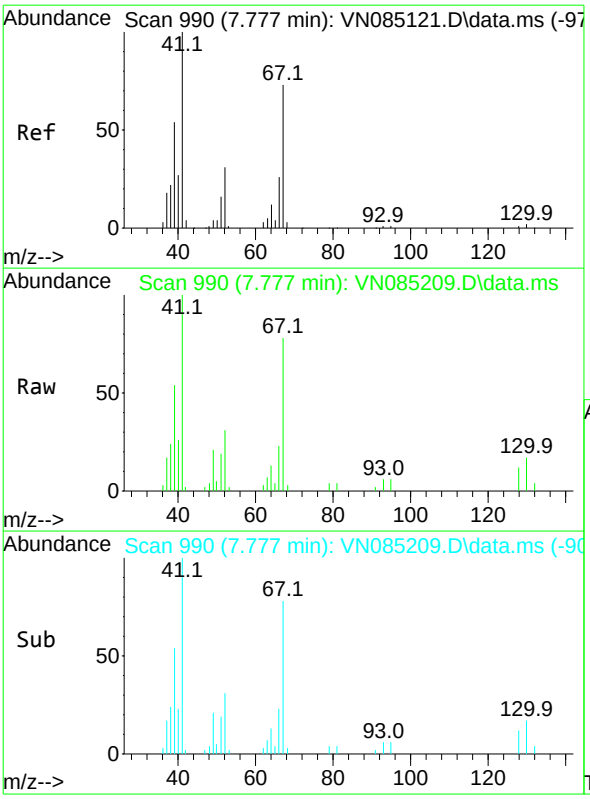


#34
Benzene
Concen: 19.479 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 78 Resp: 159828

Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.0	27.0
51	18.8	12.4	18.6#

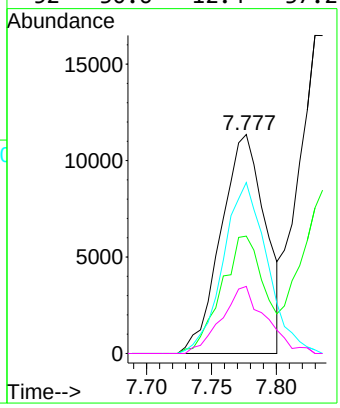




#35
Methacrylonitrile
Concen: 20.039 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 41 Resp: 27030

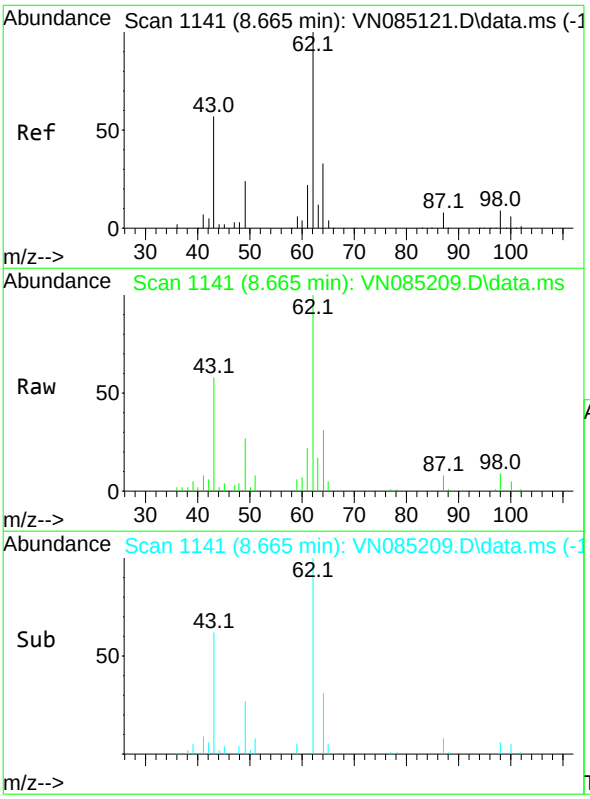
Ion	Ratio	Lower	Upper
41	100		
39	53.6	24.4	73.2
67	78.1	37.0	110.9
52	30.6	12.4	37.2



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

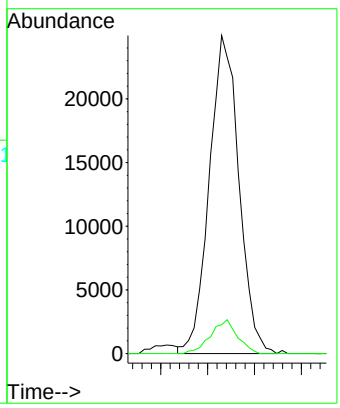
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

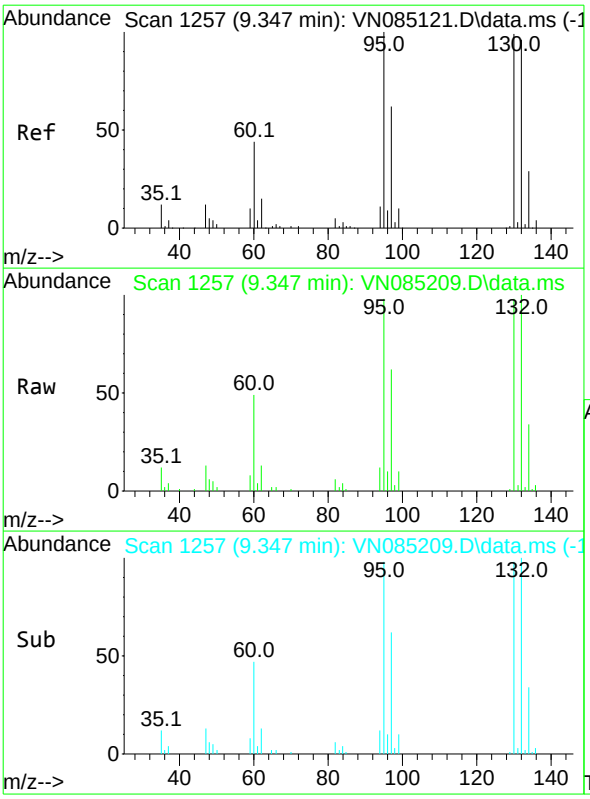


#36
1,2-Dichloroethane
Concen: 19.646 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 62 Resp: 54876

Ion	Ratio	Lower	Upper
62	100		
98	9.6	7.3	10.9

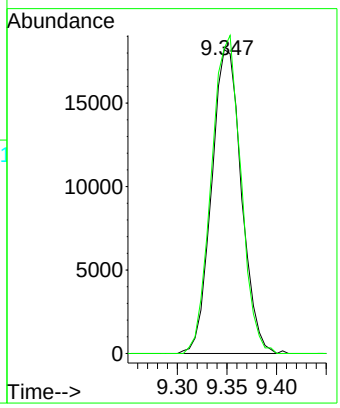




#37
Trichloroethene
Concen: 19.498 ug/l
RT: 9.347 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:130 Resp: 38098

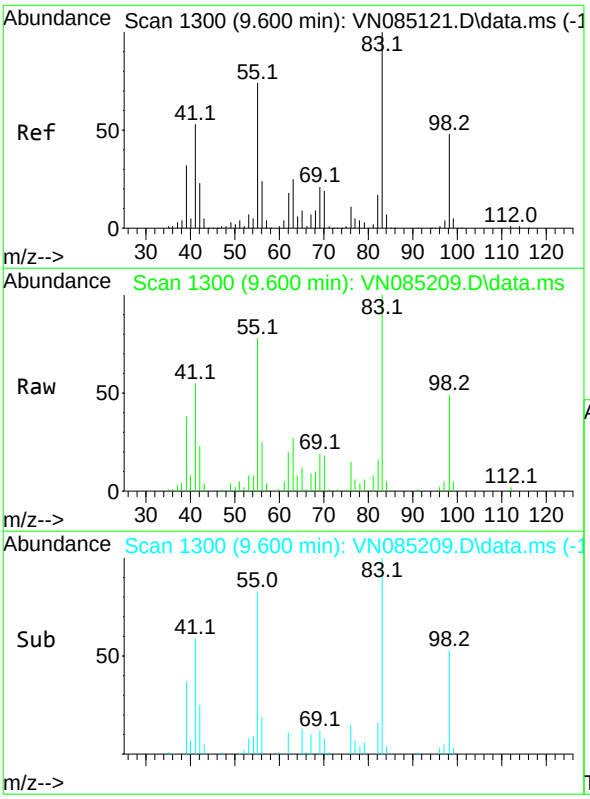
Ion	Ratio	Lower	Upper
130	100		
95	100.4	76.2	114.4



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
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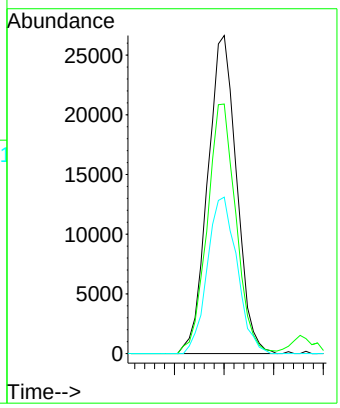
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

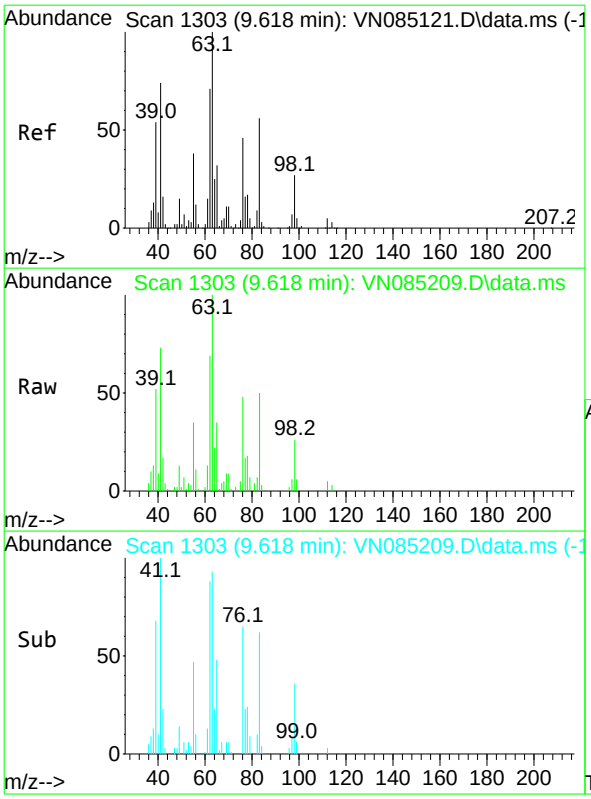


#38
Methylcyclohexane
Concen: 18.974 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 83 Resp: 53887

Ion	Ratio	Lower	Upper
83	100		
55	78.1	41.4	124.4
98	50.6	25.7	77.1

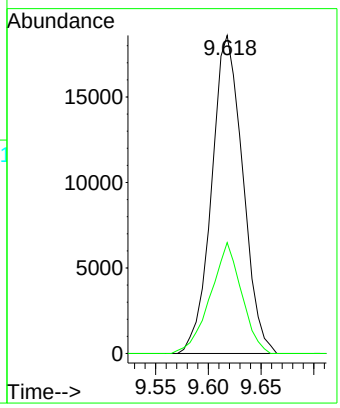




#39
1,2-Dichloropropane
Concen: 19.203 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 63 Resp: 38165

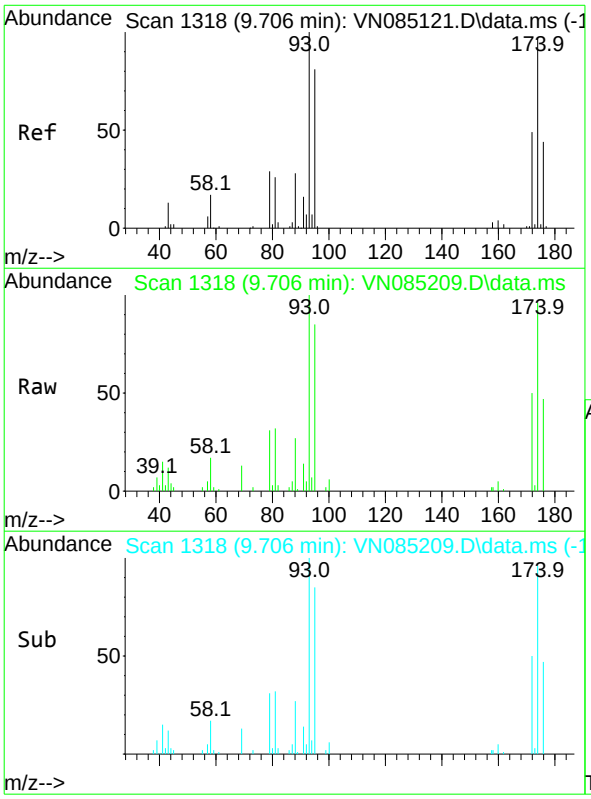
Ion	Ratio	Lower	Upper
63	100		
65	34.9	23.4	35.0



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

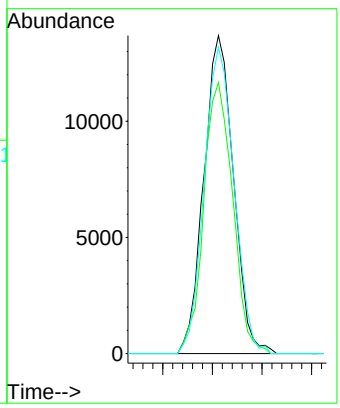
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

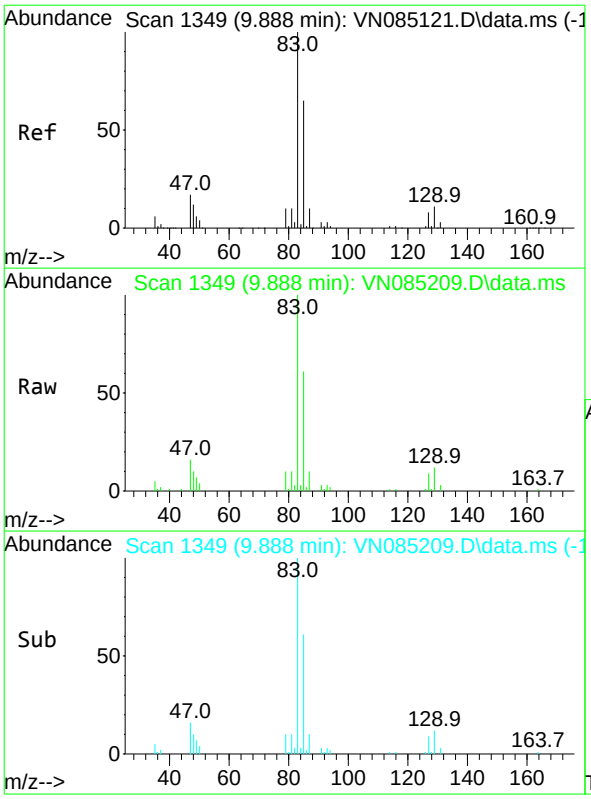


#40
Dibromomethane
Concen: 19.966 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 93 Resp: 28463

Ion	Ratio	Lower	Upper
93	100		
95	83.3	0.0	169.4
174	97.0	0.0	189.8

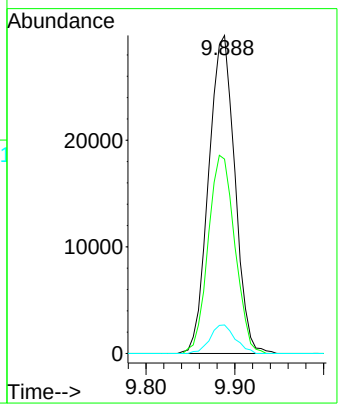




#41
Bromodichloromethane
Concen: 20.024 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 83 Resp: 61025

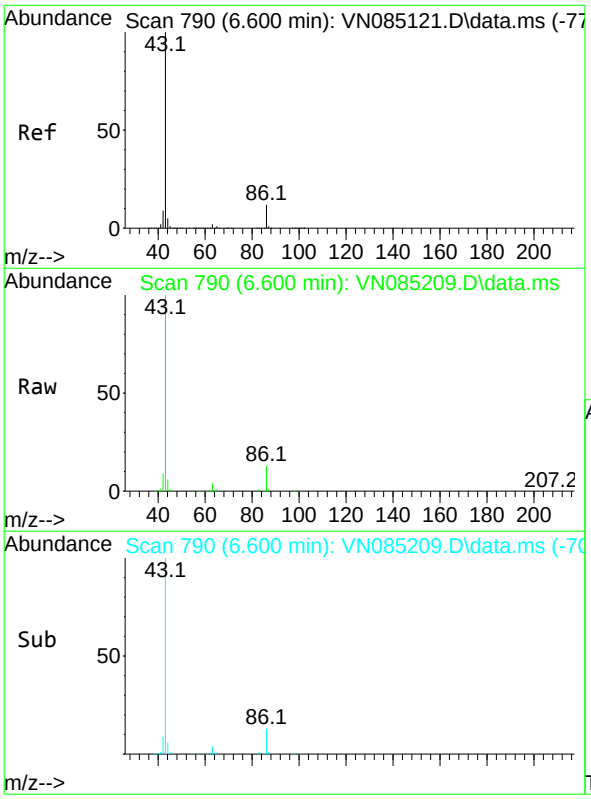
Ion	Ratio	Lower	Upper
83	100		
85	61.1	54.6	81.8
127	9.0	7.0	10.6



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

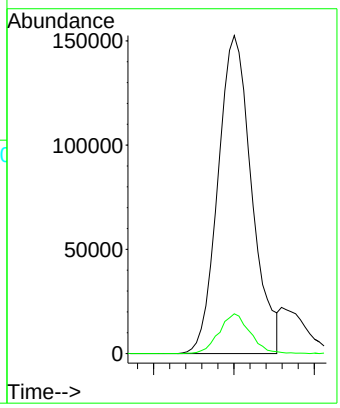
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

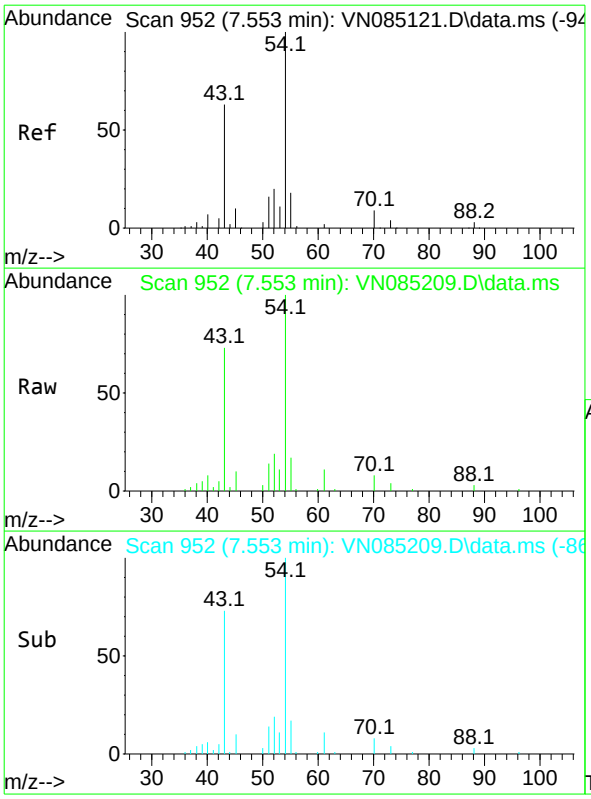


#42
Vinyl Acetate
Concen: 106.188 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 43 Resp: 445381

Ion	Ratio	Lower	Upper
43	100		
86	11.5	9.2	13.8





#43
Ethyl Acetate
Concen: 20.734 ug/l
RT: 7.553 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

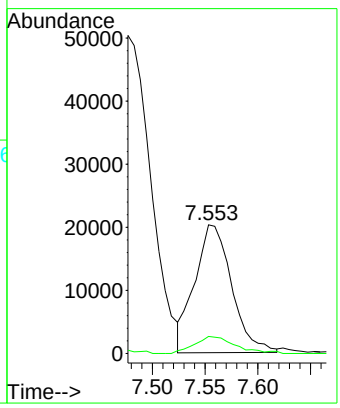
Tgt Ion: 43 Resp: 49449

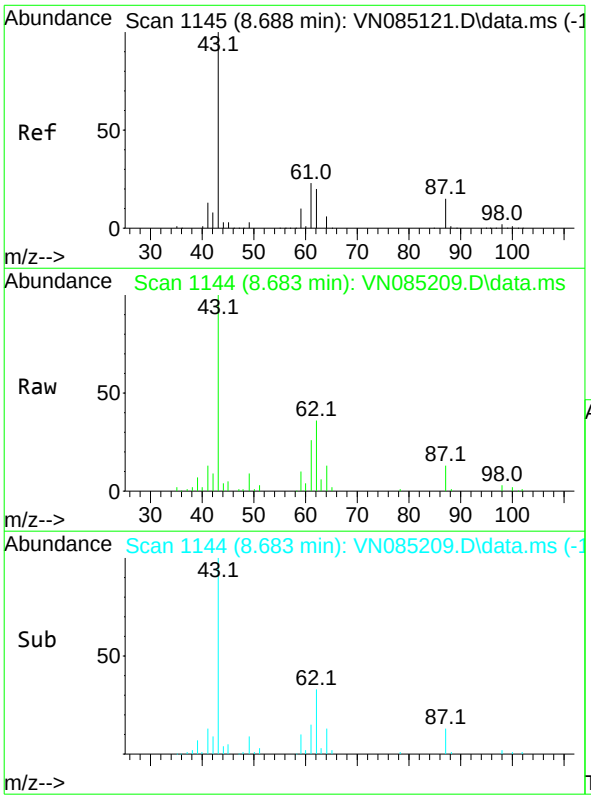
Ion	Ratio	Lower	Upper
43	100		
45	13.2	13.3	19.9#

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
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Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

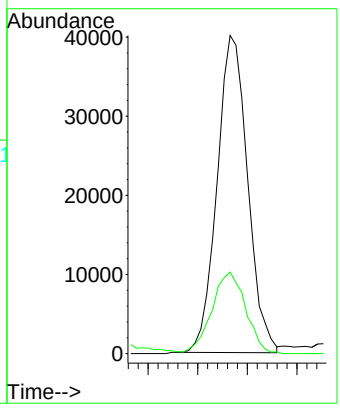


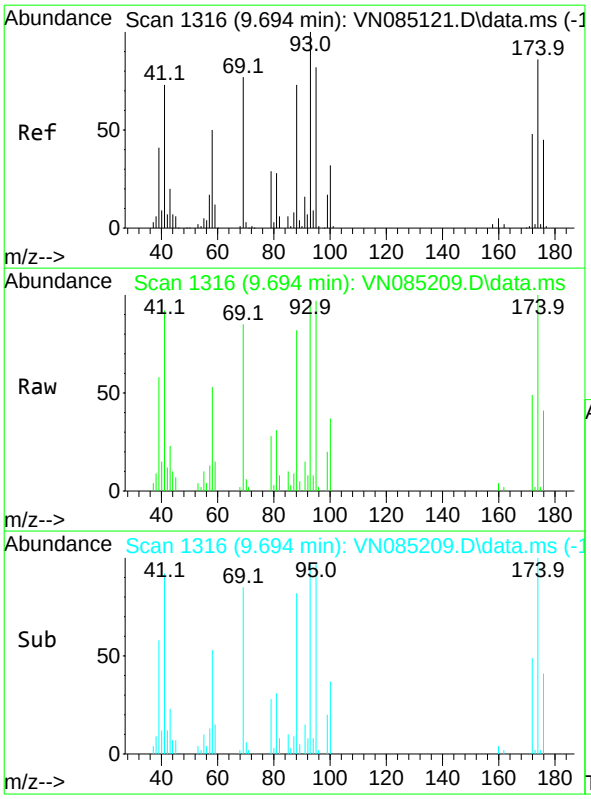


#44
Isopropyl Acetate
Concen: 20.685 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 43 Resp: 85730

Ion	Ratio	Lower	Upper
43	100		
61	28.4	21.5	32.3

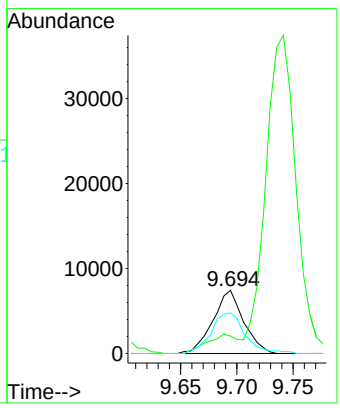




#45
1,4-Dioxane
Concen: 407.451 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 88 Resp: 14082

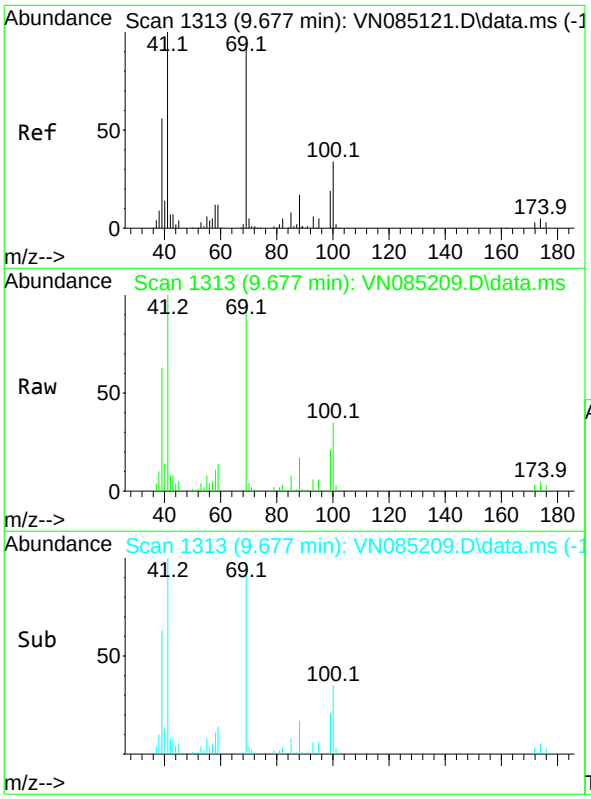
Ion	Ratio	Lower	Upper
88	100		
43	32.9	21.7	32.5#
58	71.5	52.6	79.0



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

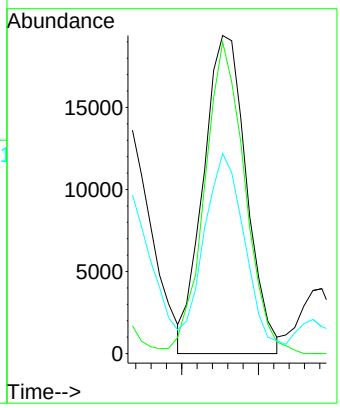
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

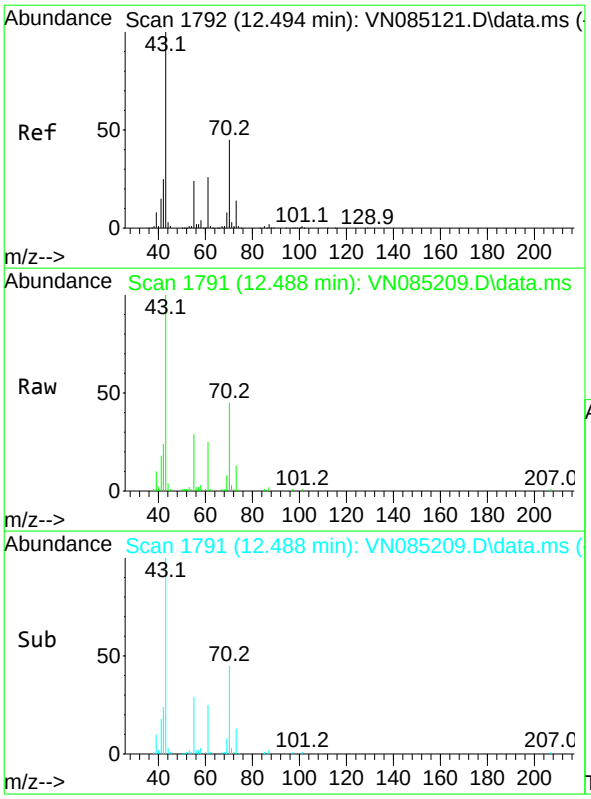


#46
Methyl methacrylate
Concen: 19.915 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 41 Resp: 37774

Ion	Ratio	Lower	Upper
41	100		
69	99.4	46.7	140.0
39	62.0	28.5	85.5

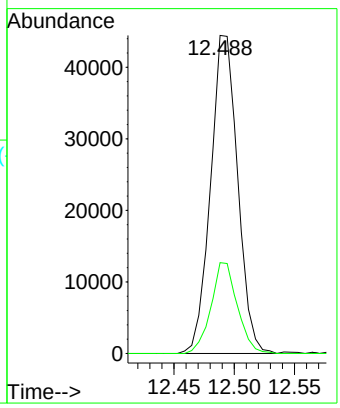




#47
n-amyl Acetate
Concen: 19.945 ug/l
RT: 12.488 min Scan# 17
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 43 Resp: 69551

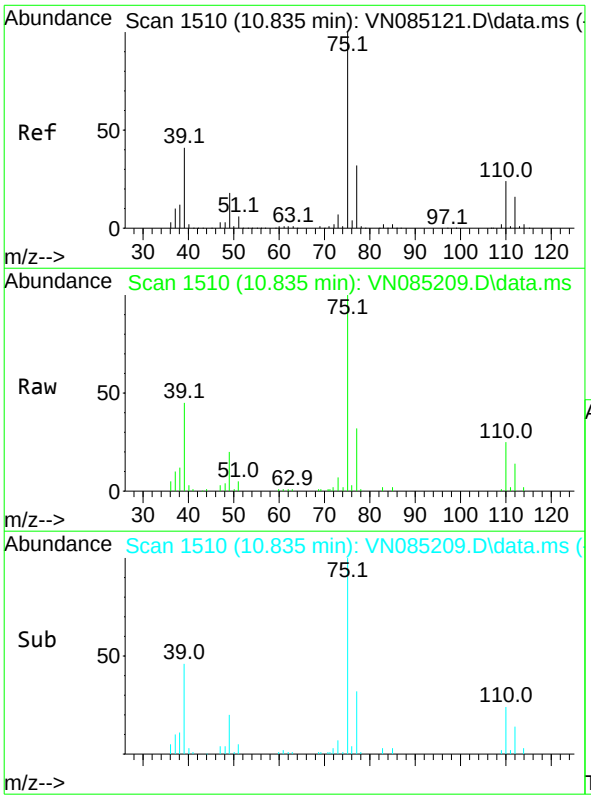
Ion	Ratio	Lower	Upper
43	100		
55	27.8	23.3	34.9



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

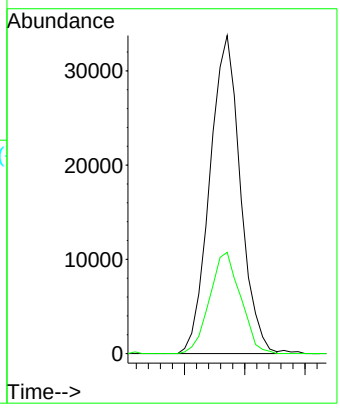
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

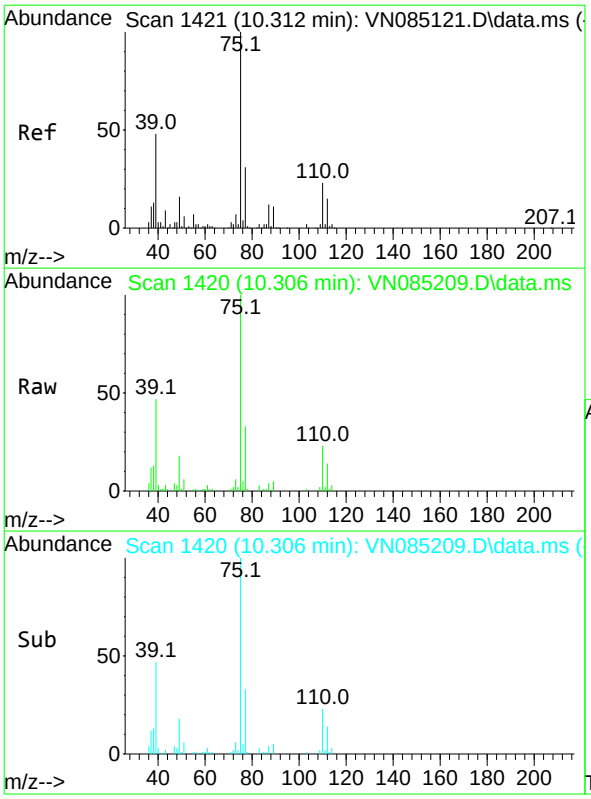


#48
t-1,3-Dichloropropene
Concen: 19.884 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 75 Resp: 59485

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.5	38.3

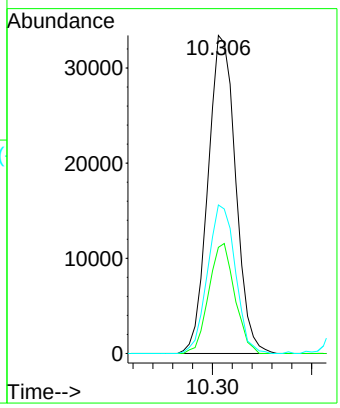




#49
cis-1,3-Dichloropropene
Concen: 19.833 ug/l
RT: 10.306 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 75 Resp: 64591

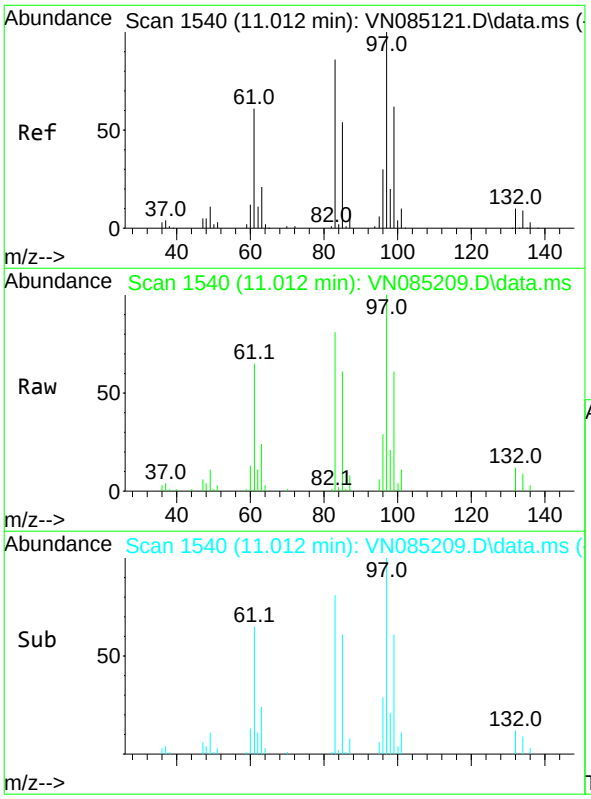
Ion	Ratio	Lower	Upper
75	100		
77	33.4	23.8	35.6
39	46.7	37.3	55.9



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

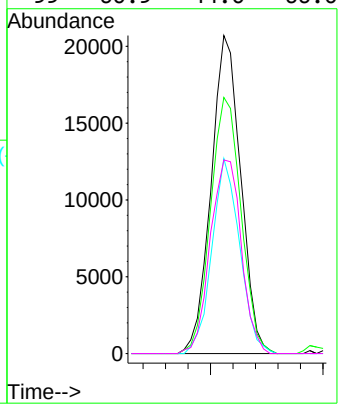
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

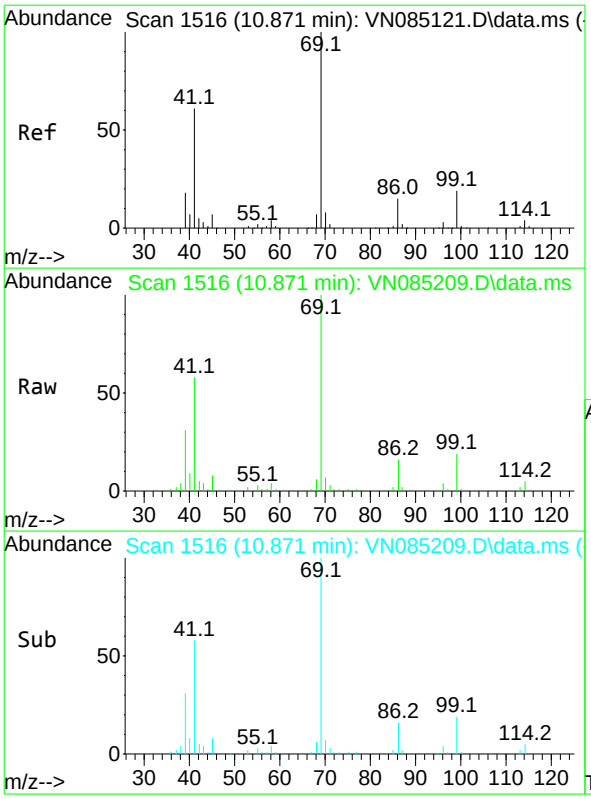


#50
1,1,2-Trichloroethane
Concen: 19.717 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 97 Resp: 37876

Ion	Ratio	Lower	Upper
97	100		
83	80.5	65.8	98.8
85	61.3	40.8	61.2#
99	60.9	44.0	66.0

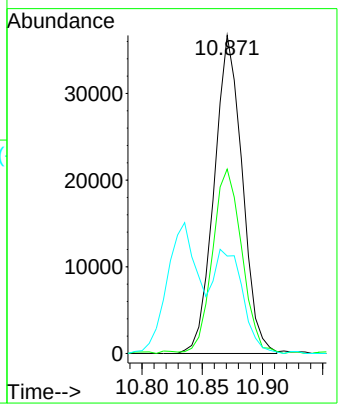




#51
Ethyl methacrylate
Concen: 20.365 ug/l
RT: 10.871 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 69 Resp: 59503

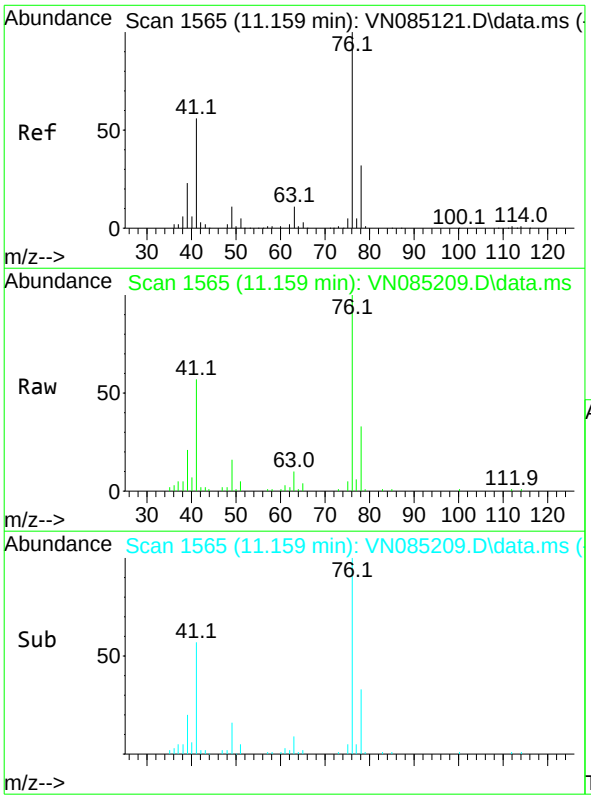
Ion	Ratio	Lower	Upper
69	100		
41	57.5	32.1	96.3
39	30.2	18.8	56.4



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

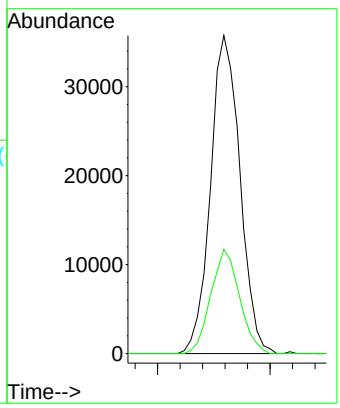
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

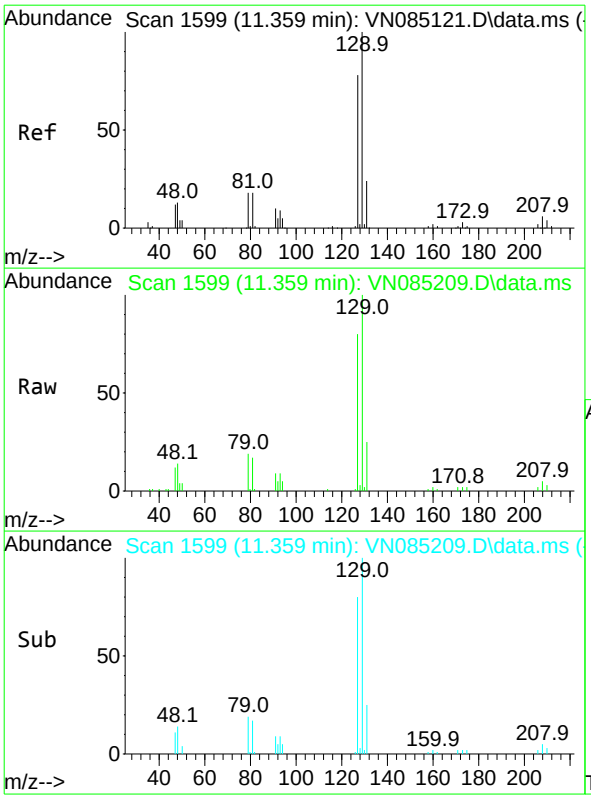


#52
1,3-Dichloropropane
Concen: 20.232 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 76 Resp: 65044

Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	65.6

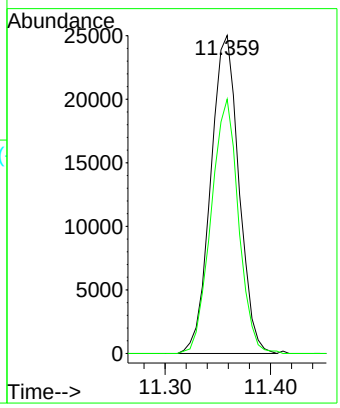




#53
Dibromochloromethane
Concen: 19.848 ug/l
RT: 11.359 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:129 Resp: 46465

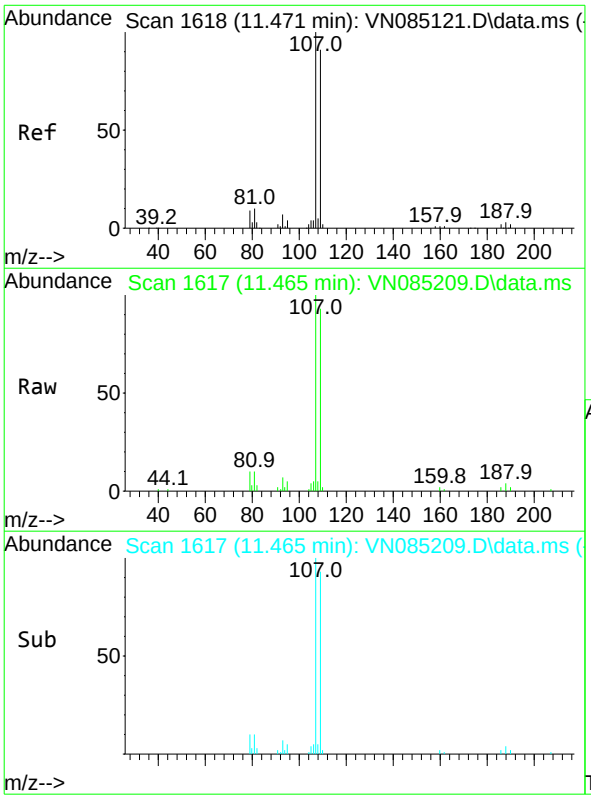
Ion	Ratio	Lower	Upper
129	100		
127	77.8	37.3	111.9



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

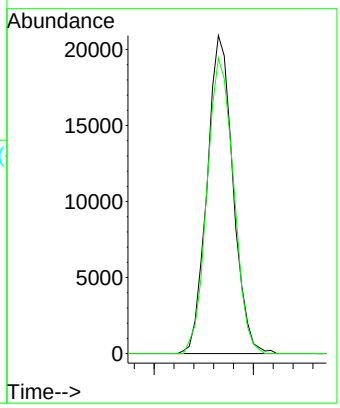
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

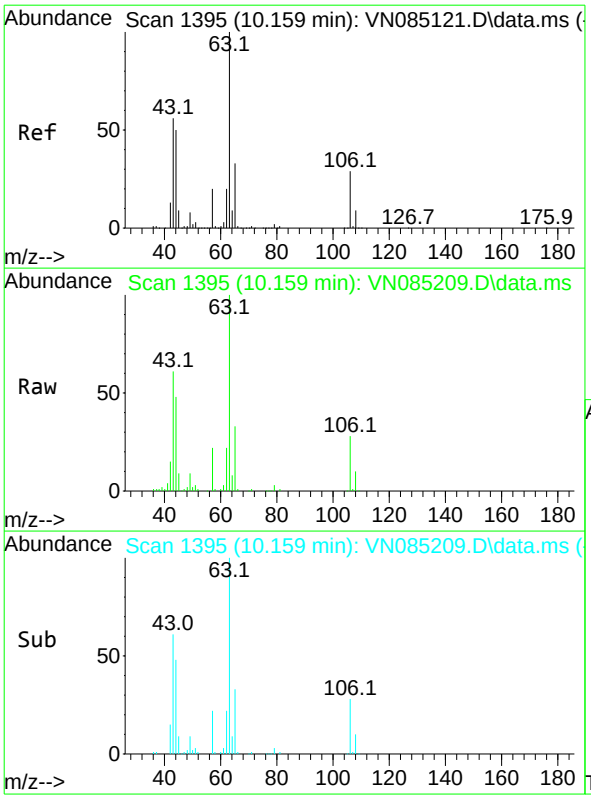


#54
1,2-Dibromoethane
Concen: 19.669 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:107 Resp: 38069

Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.2	112.8

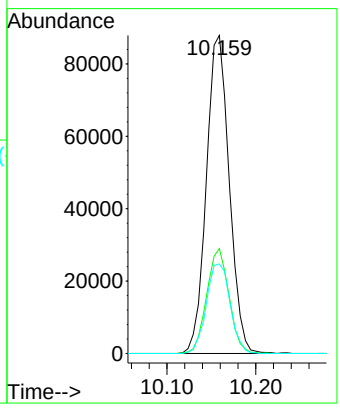




#55
2-Chloroethyl vinyl ether
Concen: 116.053 ug/l
RT: 10.159 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 63 Resp: 157517

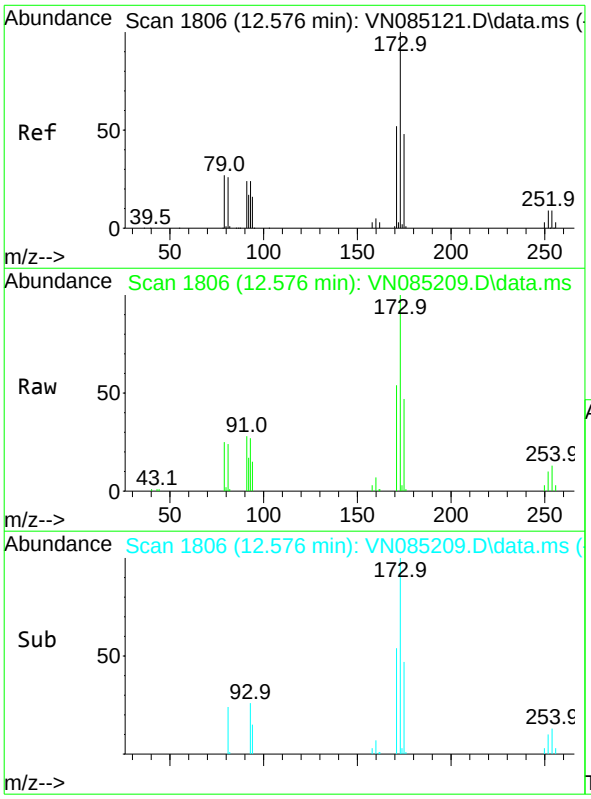
Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.9	38.9
106	29.3	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

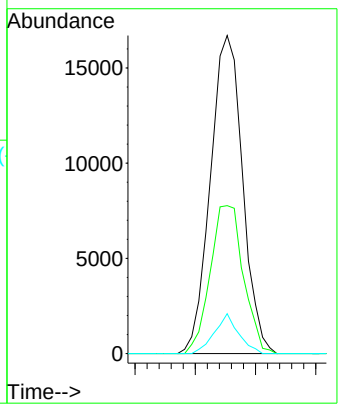
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

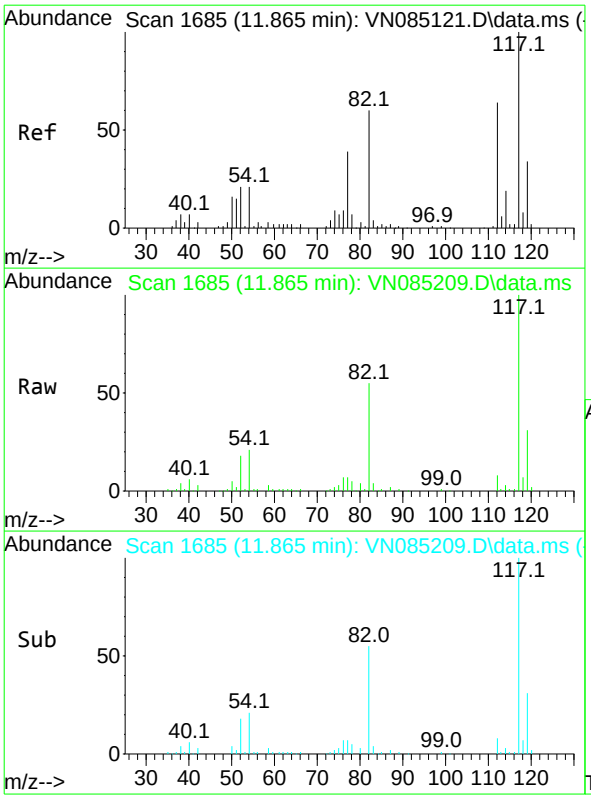


#56
Bromoform
Concen: 19.753 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:173 Resp: 31005

Ion	Ratio	Lower	Upper
173	100		
175	48.1	40.2	60.2
254	9.4	6.2	9.4#

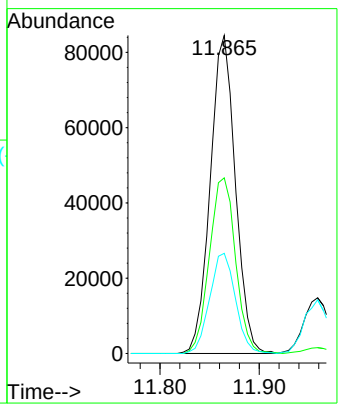




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:117 Resp: 148673

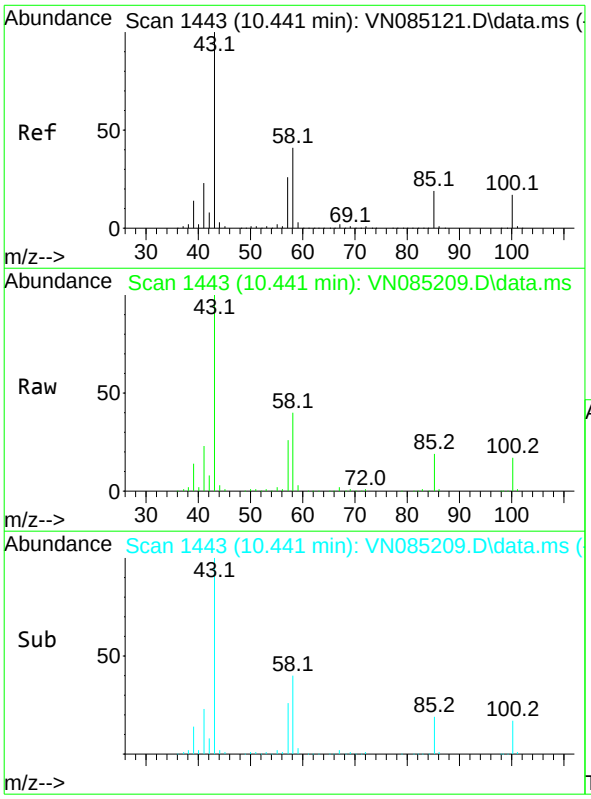
Ion	Ratio	Lower	Upper
117	100		
82	57.5	44.2	66.4
119	32.3	25.4	38.2



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

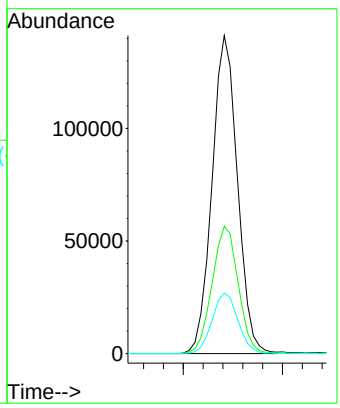
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

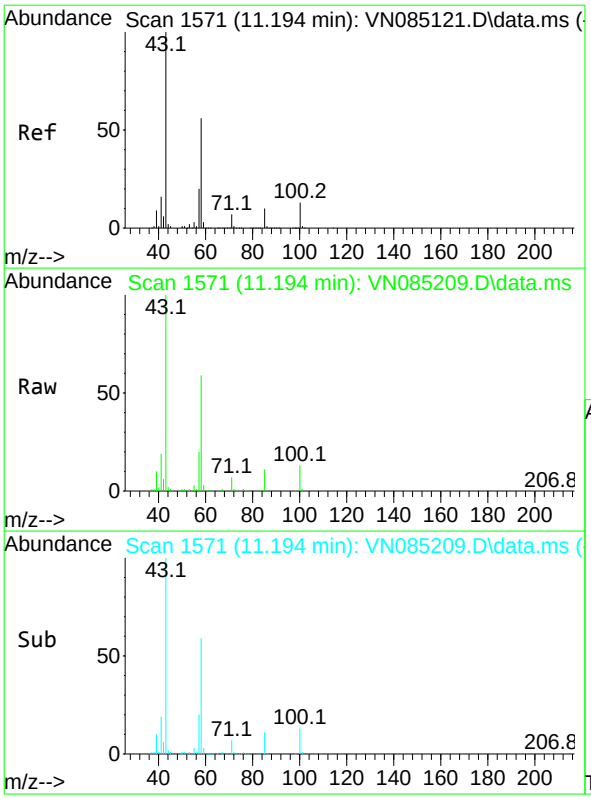


#58
4-Methyl-2-Pentanone
Concen: 103.526 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 43 Resp: 251194

Ion	Ratio	Lower	Upper
43	100		
58	41.2	31.6	47.4
85	19.4	15.0	22.6

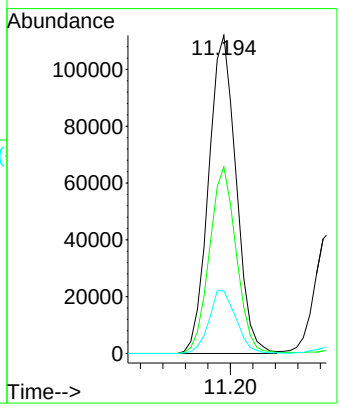




#59
2-Hexanone
Concen: 103.278 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 43 Resp: 189877

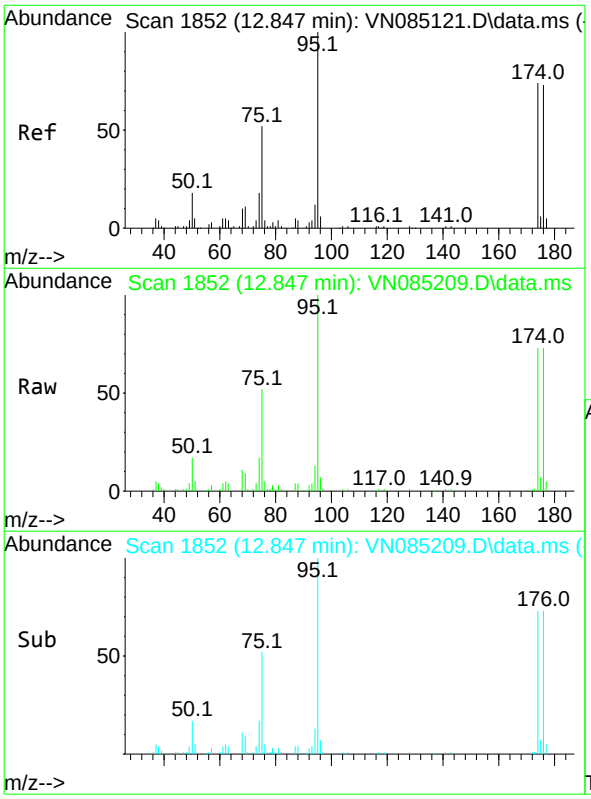
Ion	Ratio	Lower	Upper
43	100		
58	57.1	43.6	65.4
57	19.6	15.4	23.0



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

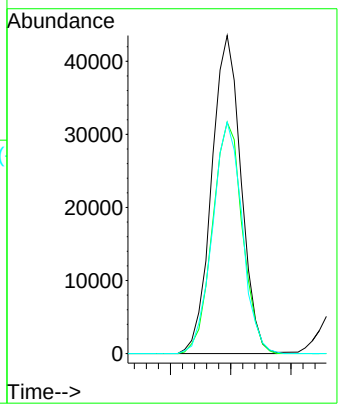
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

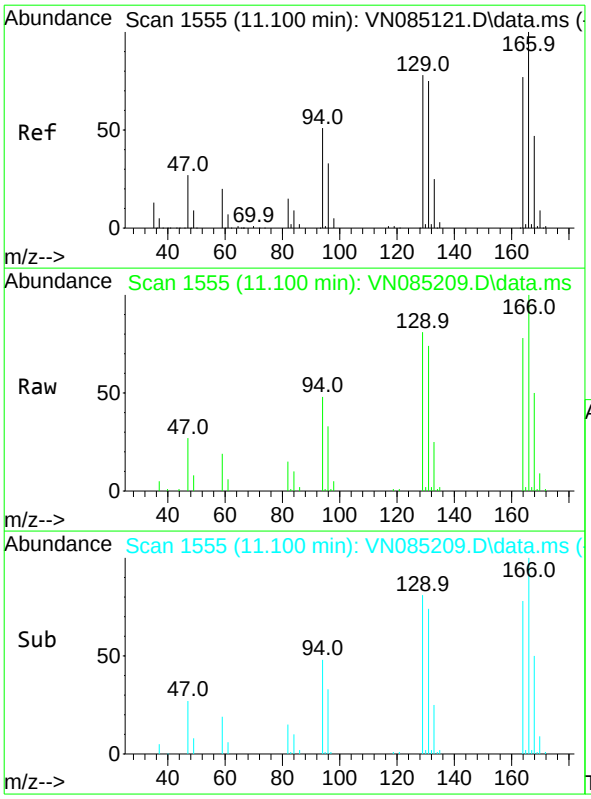


#60
4-Bromofluorobenzene
Concen: 30.022 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 95 Resp: 73852

Ion	Ratio	Lower	Upper
95	100		
174	74.1	60.3	90.5
176	73.5	57.4	86.0

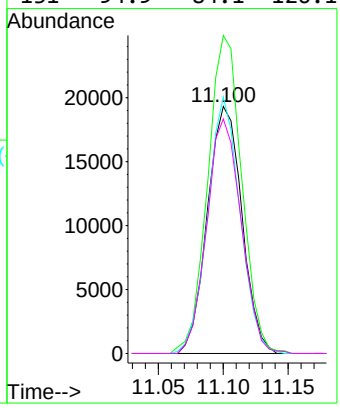




#61
Tetrachloroethene
Concen: 19.837 ug/l
RT: 11.100 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:164 Resp: 35715

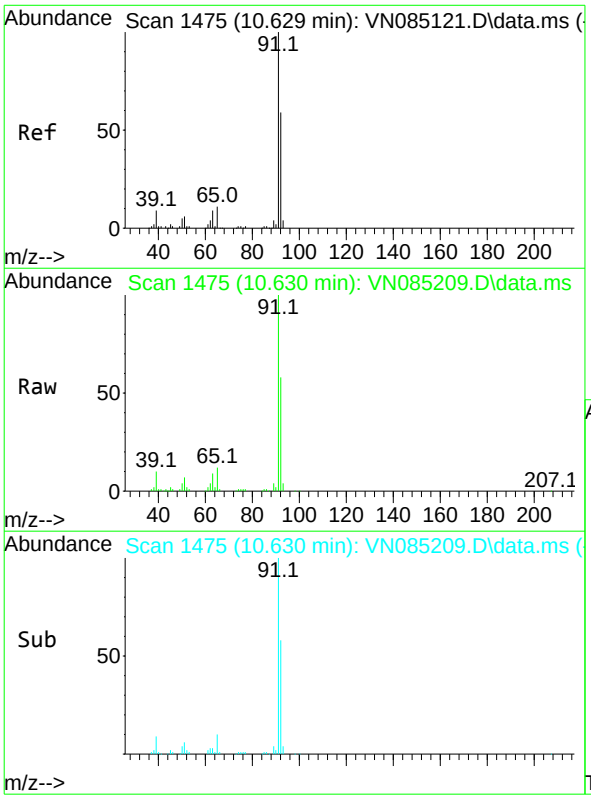
Ion	Ratio	Lower	Upper
164	100		
166	127.5	103.8	155.8
129	102.9	84.2	126.4
131	94.9	84.1	126.1



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

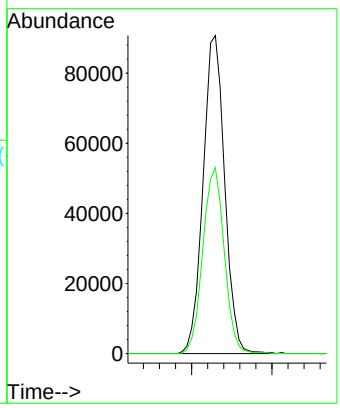
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

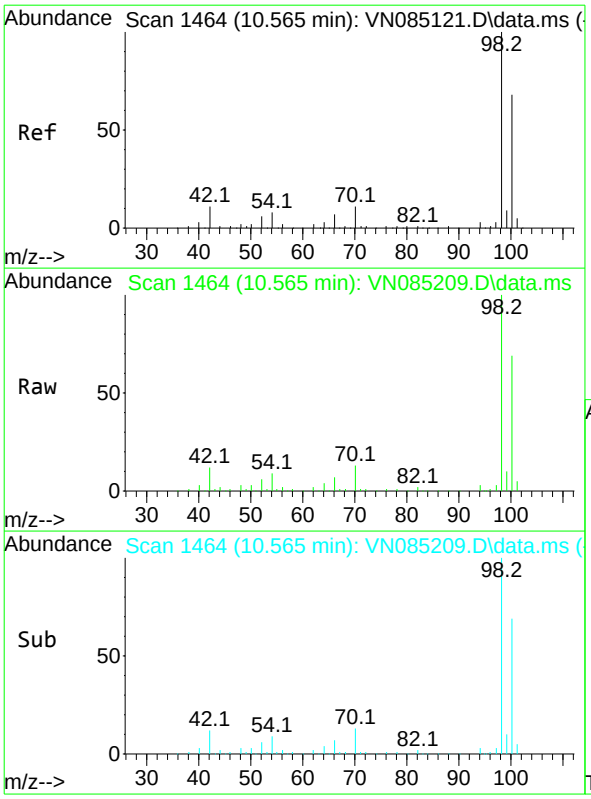


#62
Toluene
Concen: 19.542 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 91 Resp: 169444

Ion	Ratio	Lower	Upper
91	100		
92	57.9	46.5	69.7

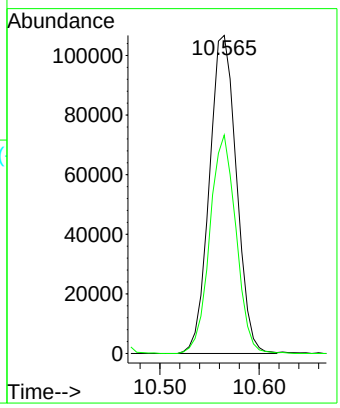




#63
Toluene-d8
Concen: 29.009 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 98 Resp: 202306

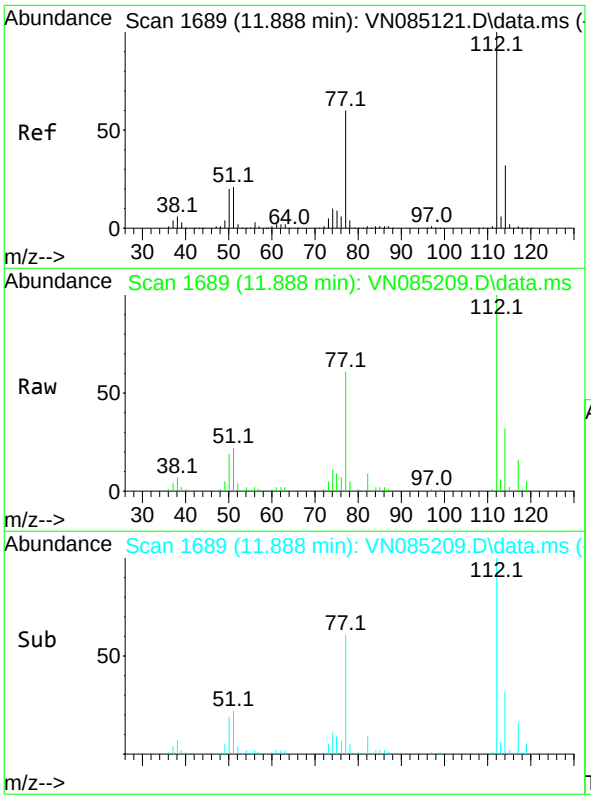
Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.0	78.0



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

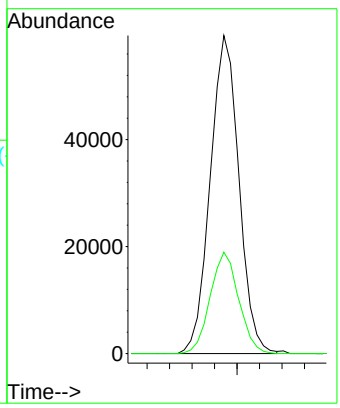
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

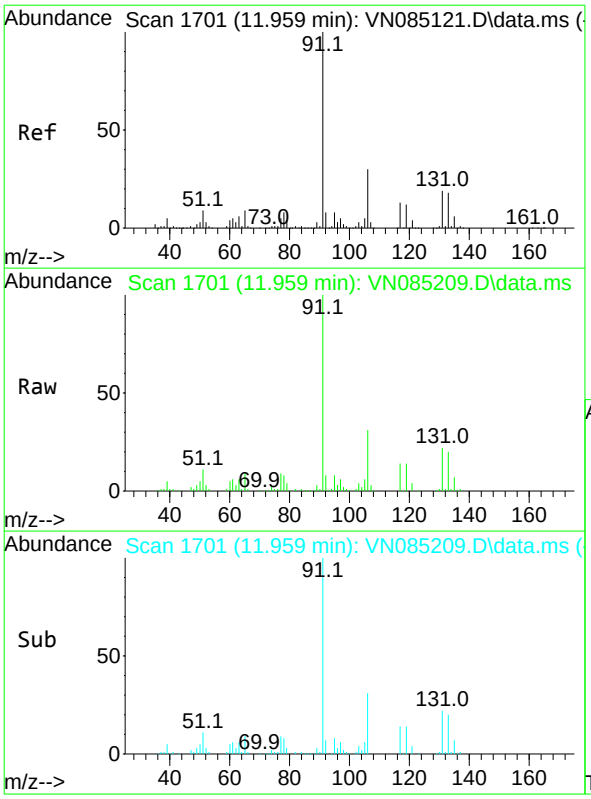


#64
Chlorobenzene
Concen: 19.669 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:112 Resp: 105294

Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0

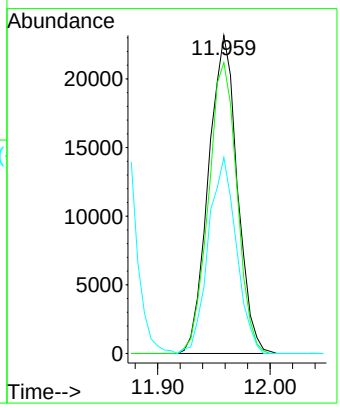




#65
1,1,1,2-Tetrachloroethane
Concen: 20.641 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:131 Resp: 41250

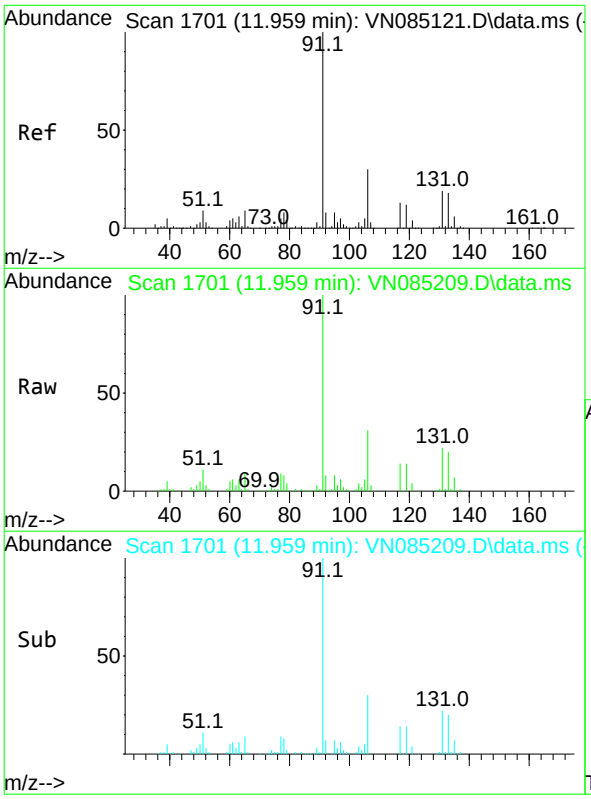
Ion	Ratio	Lower	Upper
131	100		
133	90.4	0.0	194.0
119	59.8	0.0	131.8



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

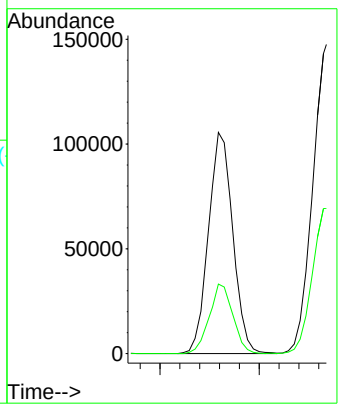
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

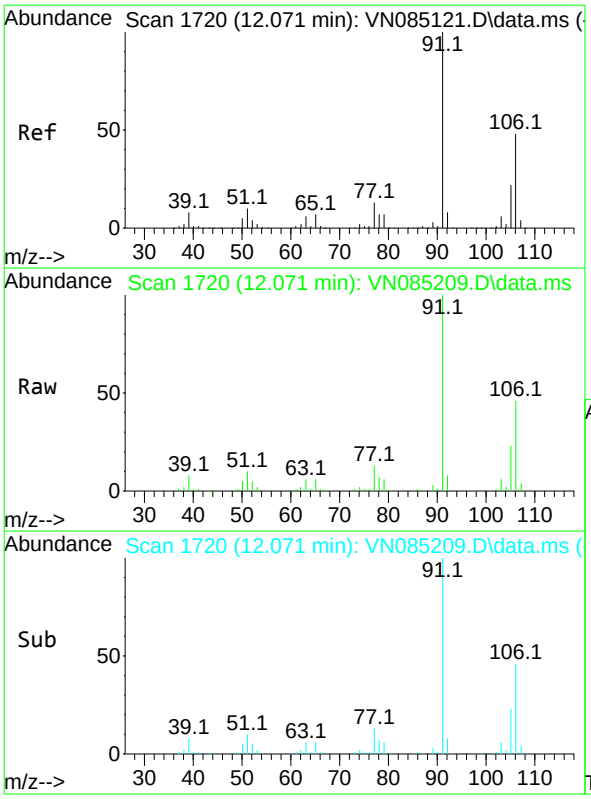


#66
Ethyl Benzene
Concen: 19.592 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 91 Resp: 180260

Ion	Ratio	Lower	Upper
91	100		
106	31.4	23.1	34.7

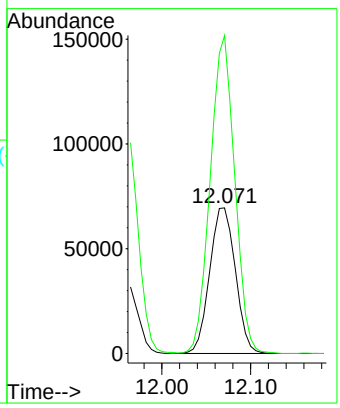




#67
m/p-Xylenes
Concen: 39.552 ug/l
RT: 12.071 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:106 Resp: 139966

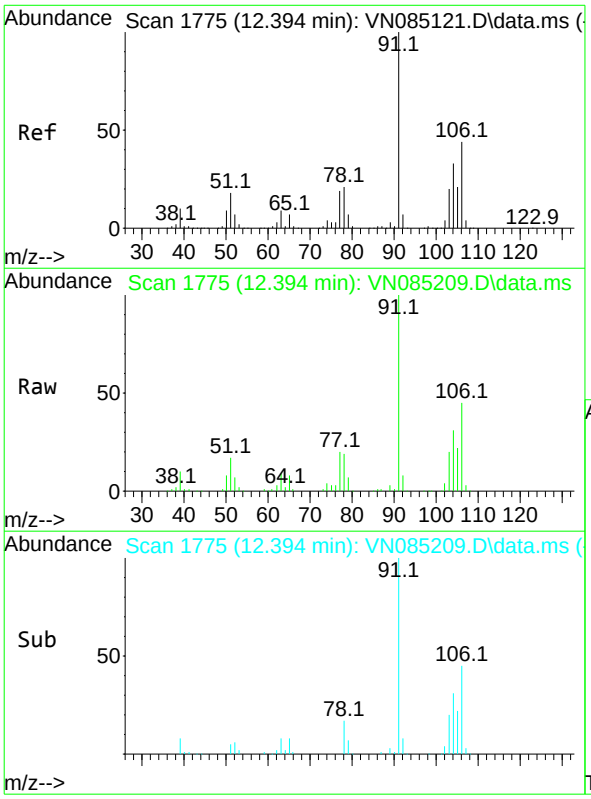
Ion	Ratio	Lower	Upper
106	100		
91	208.0	165.0	247.4



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

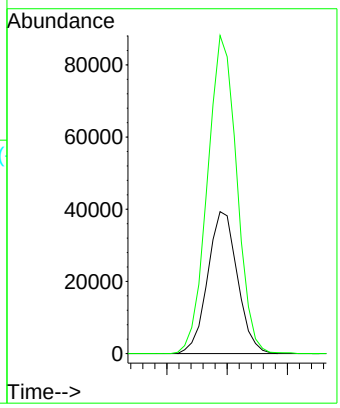
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

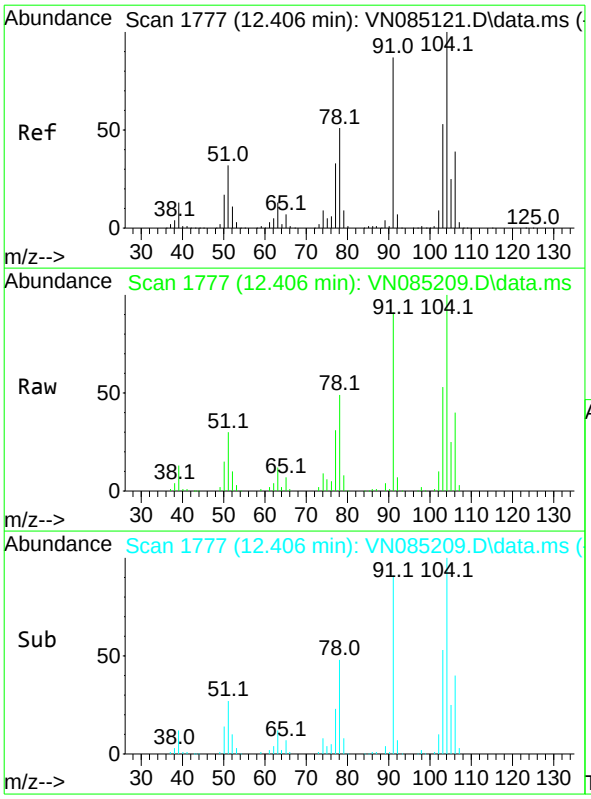


#68
o-Xylene
Concen: 20.311 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:106 Resp: 67500

Ion	Ratio	Lower	Upper
106	100		
91	220.7	112.1	336.4

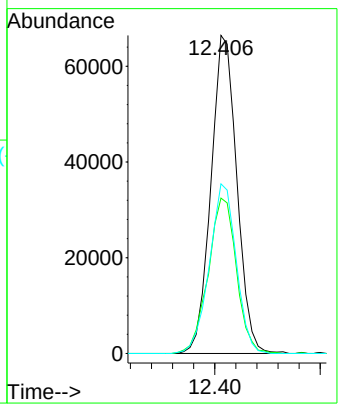




#69
Styrene
Concen: 20.099 ug/l
RT: 12.406 min Scan# 17
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:104 Resp: 113349

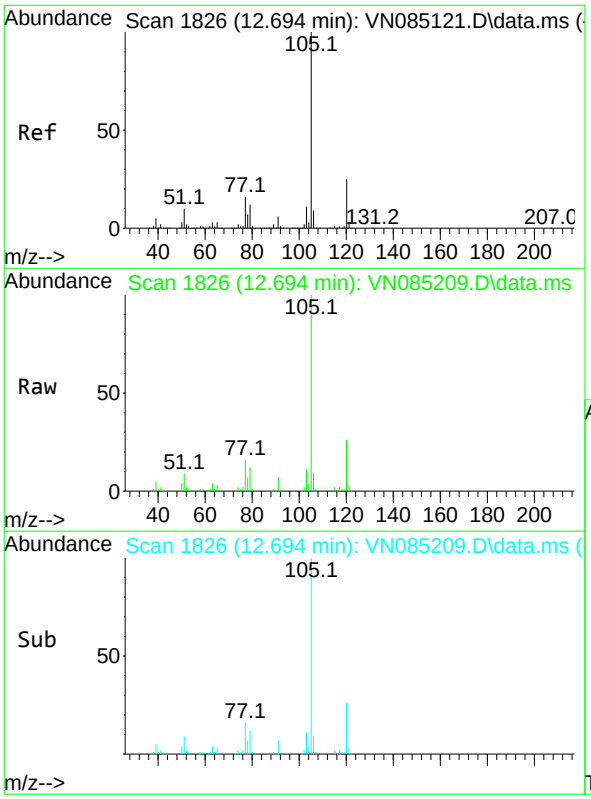
Ion	Ratio	Lower	Upper
104	100		
78	53.1	42.3	63.5
103	55.3	44.4	66.6



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

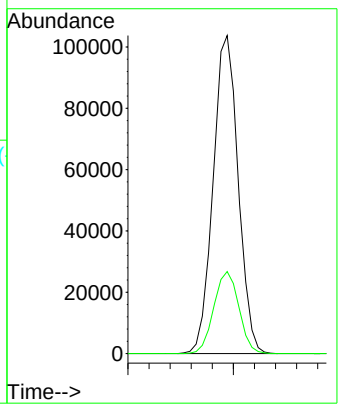
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

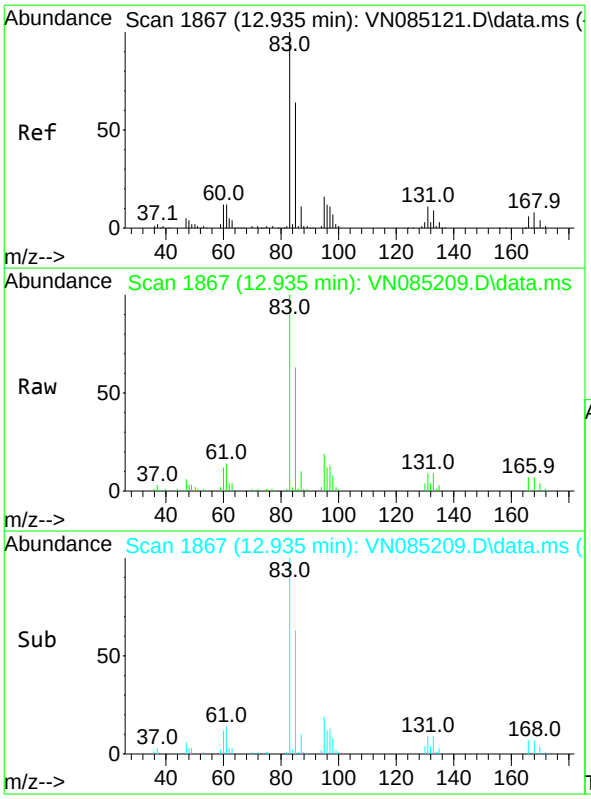


#70
Isopropylbenzene
Concen: 19.942 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:105 Resp: 170936

Ion	Ratio	Lower	Upper
105	100		
120	25.8	18.3	33.9

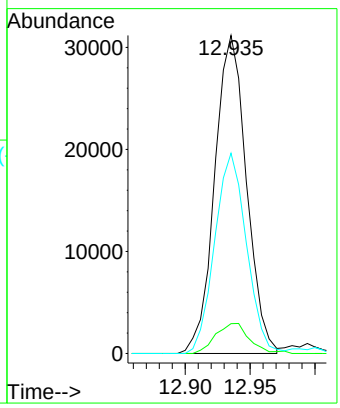




#71
1,1,2,2-Tetrachloroethane
Concen: 20.363 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 83 Resp: 53129

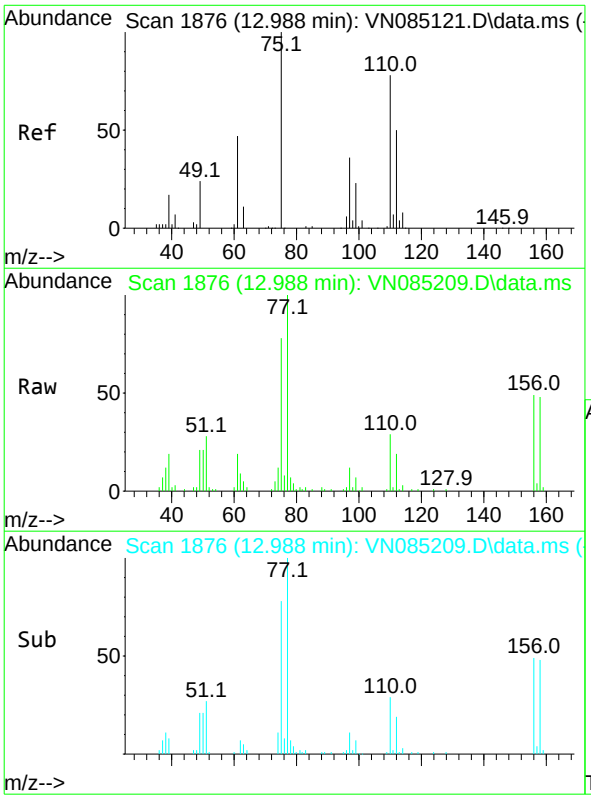
Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.1	15.3
85	62.9	31.1	93.5



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

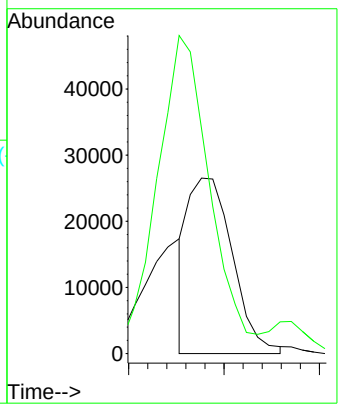
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

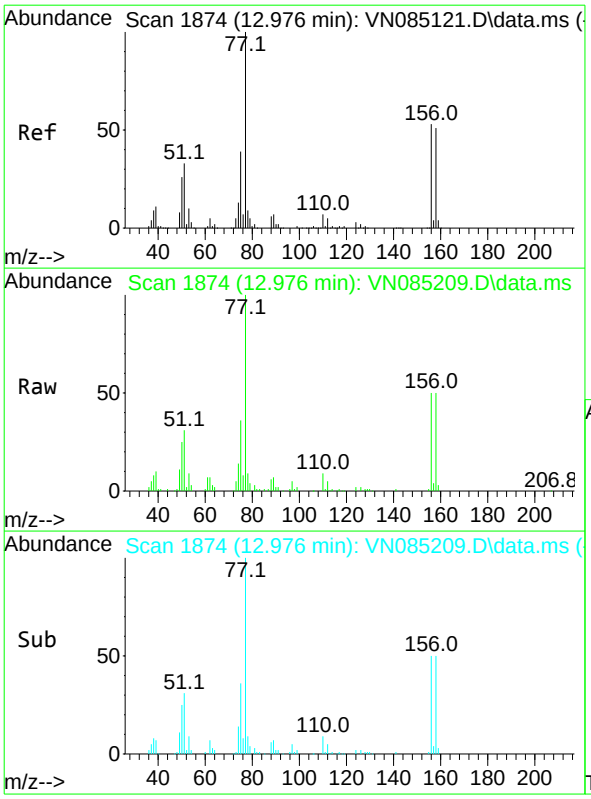


#72
1,2,3-Trichloropropane
Concen: 16.657 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 75 Resp: 42929

Ion	Ratio	Lower	Upper
75	100		
77	216.3	0.0	339.0

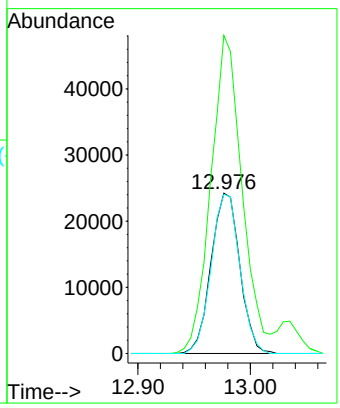




#73
Bromobenzene
Concen: 20.050 ug/l
RT: 12.976 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

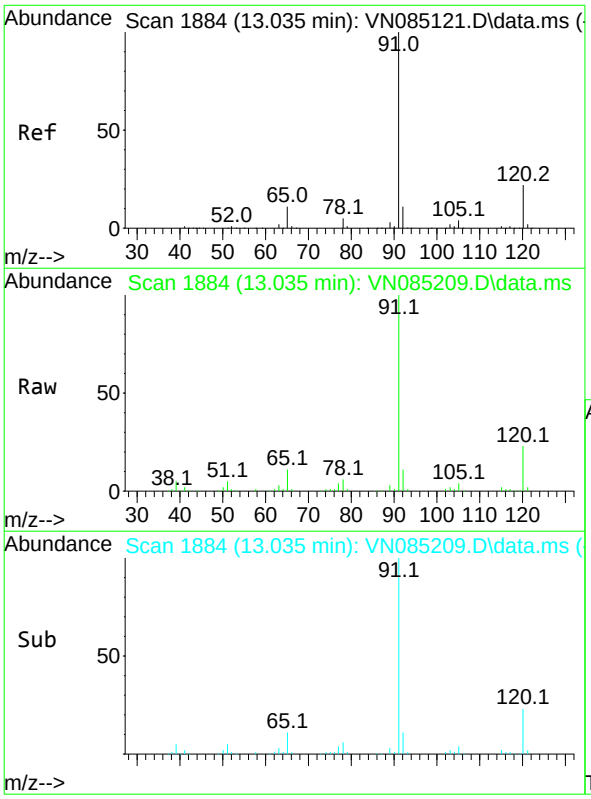
Tgt Ion:156 Resp: 43049

Ion	Ratio	Lower	Upper
156	100		
77	215.7	0.0	430.4
158	98.8	0.0	195.2



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

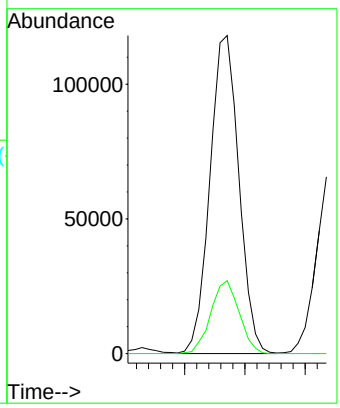
Manual Integrations
APPROVED
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

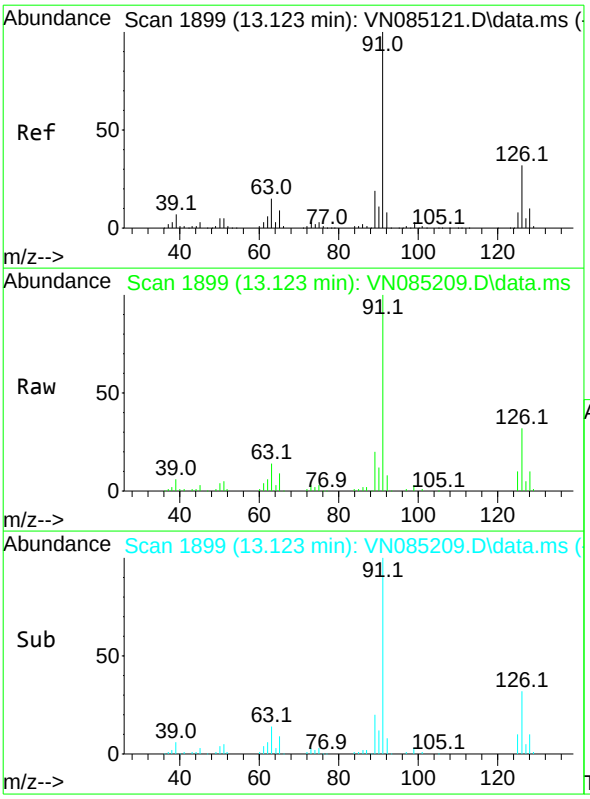


#74
n-propylbenzene
Concen: 19.157 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 91 Resp: 197415

Ion	Ratio	Lower	Upper
91	100		
120	22.4	0.0	44.0

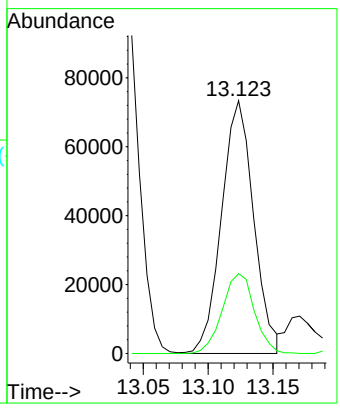




#75
2-Chlorotoluene
Concen: 19.864 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 91 Resp: 126567

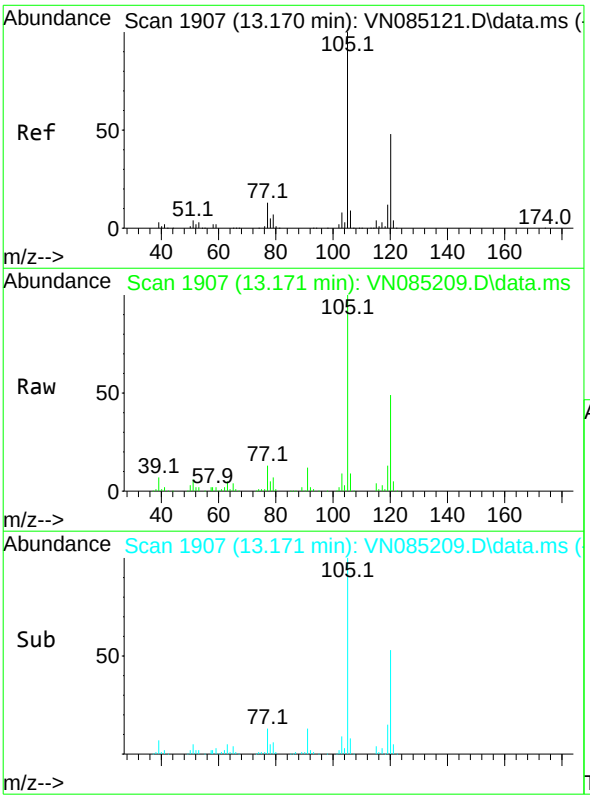
Ion	Ratio	Lower	Upper
91	100		
126	31.6	0.0	64.2



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

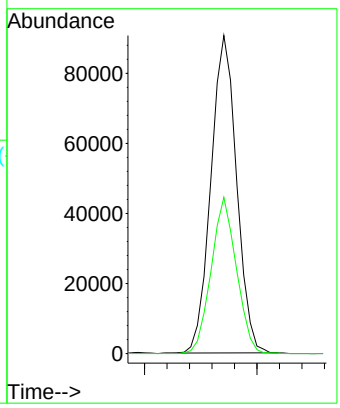
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

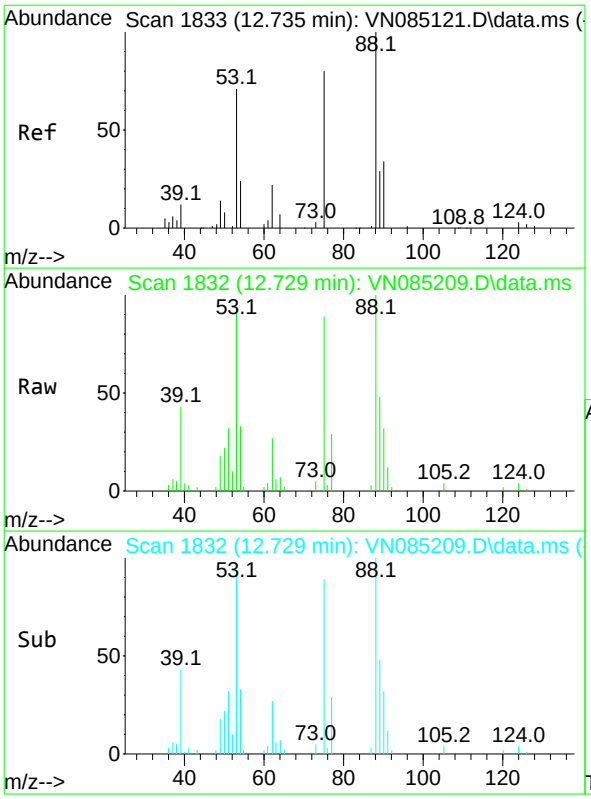


#76
1,3,5-Trimethylbenzene
Concen: 19.583 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:105 Resp: 143813

Ion	Ratio	Lower	Upper
105	100		
120	48.3	0.0	94.4

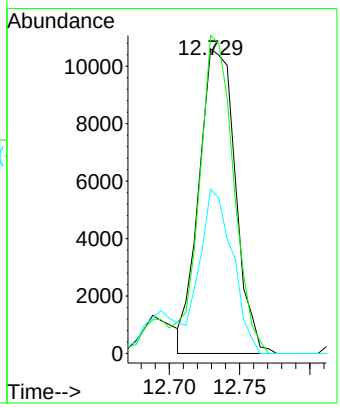




#77
t-1,4-Dichloro-2-butene
Concen: 20.358 ug/l
RT: 12.729 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 75 Resp: 19066

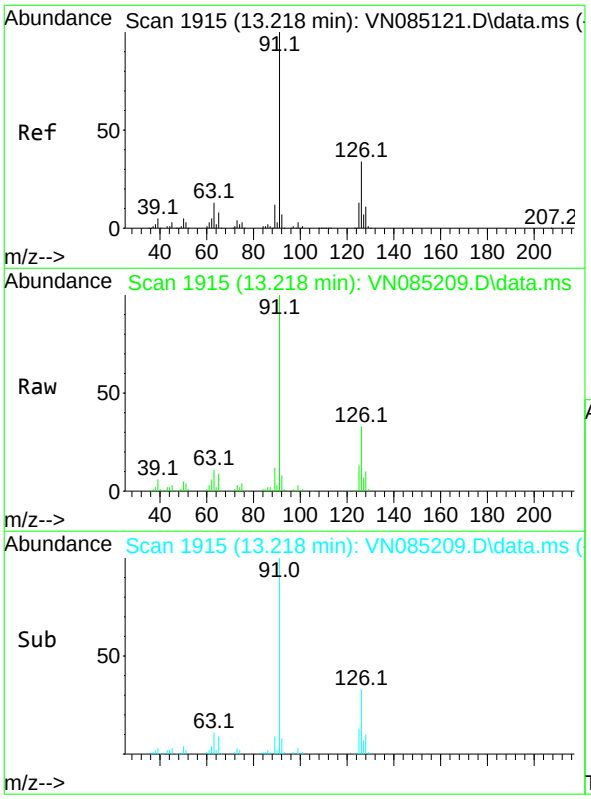
Ion	Ratio	Lower	Upper
75	100		
53	104.4	49.1	147.3
89	54.0	22.9	68.5



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

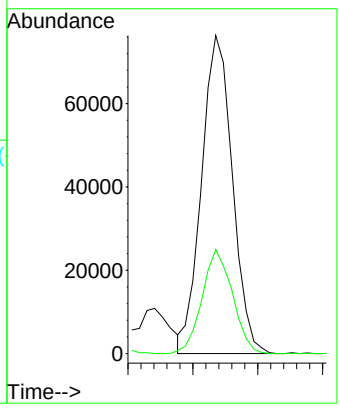
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

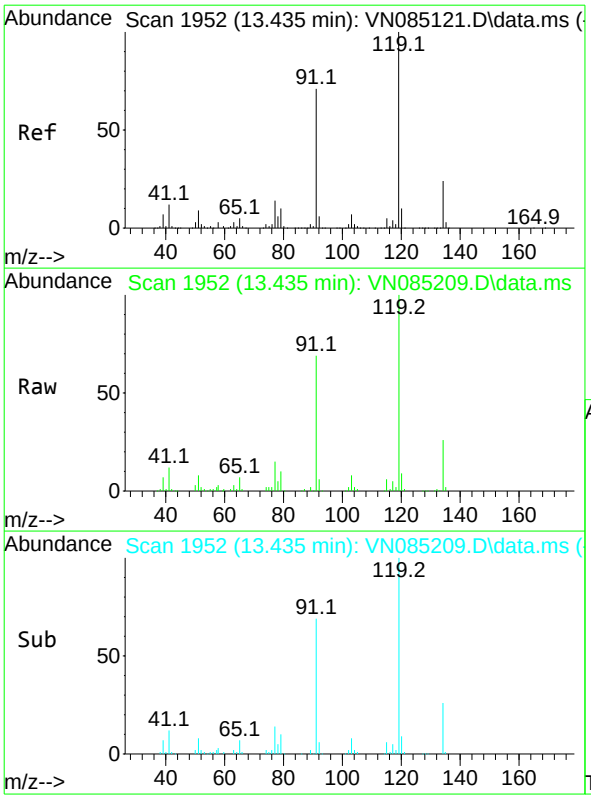


#78
4-Chlorotoluene
Concen: 19.518 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 91 Resp: 126224

Ion	Ratio	Lower	Upper
91	100		
126	32.2	0.0	64.4

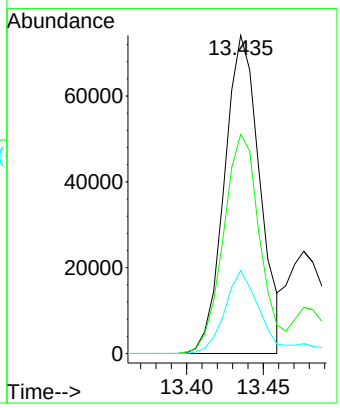




#79
tert-butylbenzene
Concen: 19.754 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:119 Resp: 119154

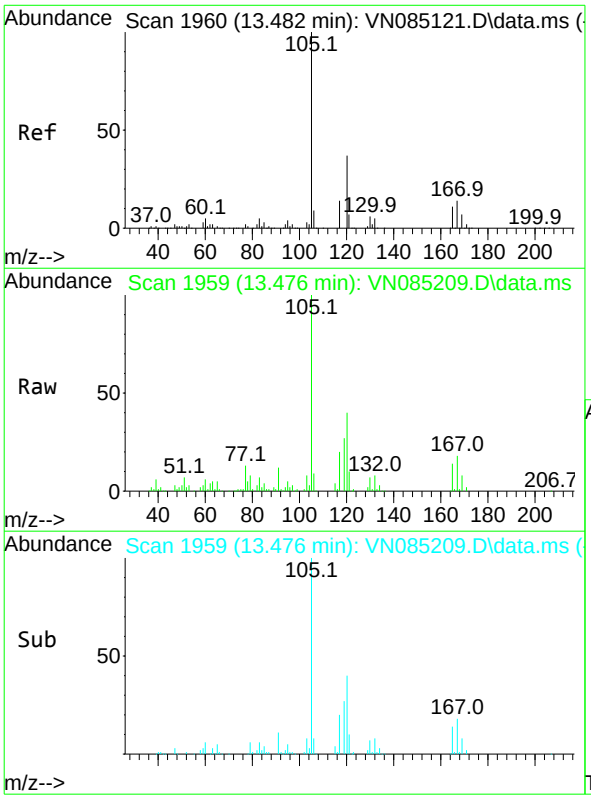
Ion	Ratio	Lower	Upper
119	100		
91	71.3	0.0	139.2
134	25.0	0.0	48.0



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

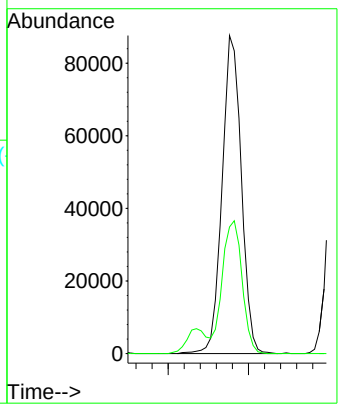
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

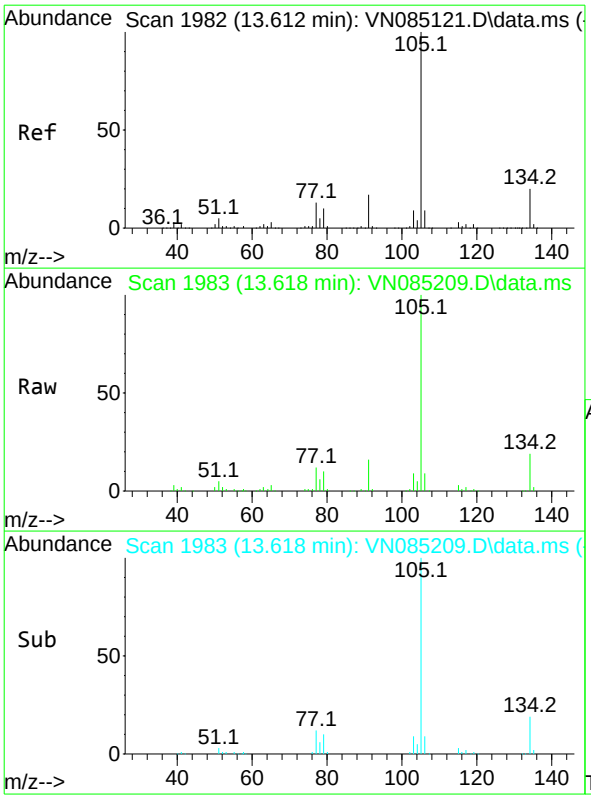


#80
1,2,4-Trimethylbenzene
Concen: 20.096 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:105 Resp: 145777

Ion	Ratio	Lower	Upper
105	100		
120	42.9	0.0	87.4

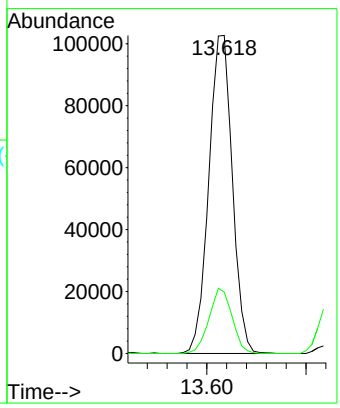




#81
sec-Butylbenzene
Concen: 19.763 ug/l
RT: 13.618 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:105 Resp: 169356

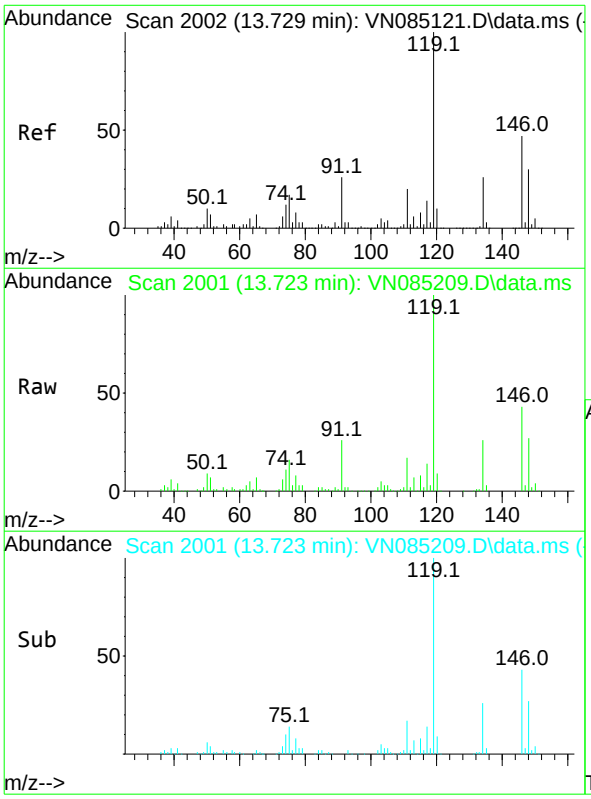
Ion	Ratio	Lower	Upper
105	100		
134	20.0	0.0	38.0



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

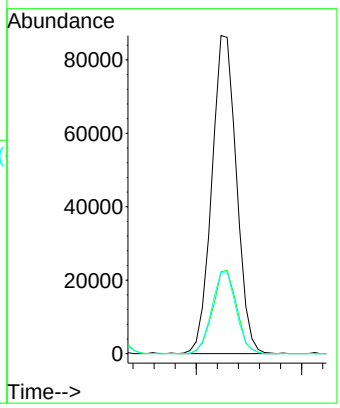
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

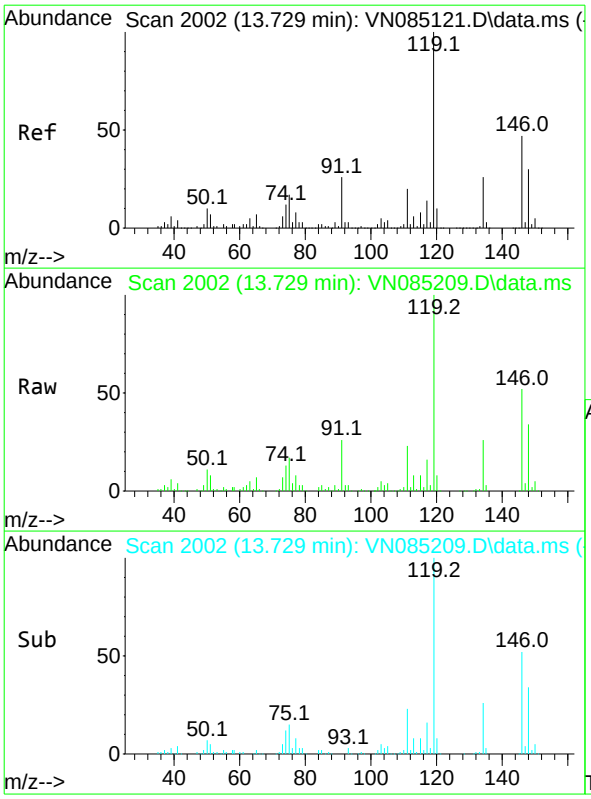


#82
p-Isopropyltoluene
Concen: 19.813 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:119 Resp: 140763

Ion	Ratio	Lower	Upper
119	100		
134	25.5	0.0	51.6
91	25.5	0.0	50.4

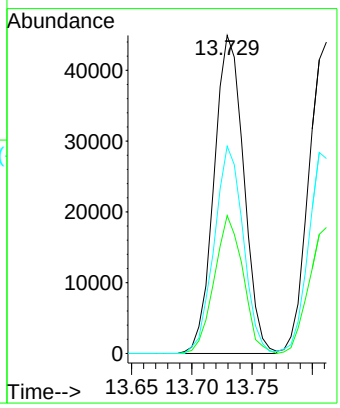




#83
1,3-Dichlorobenzene
Concen: 19.578 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:146 Resp: 77122

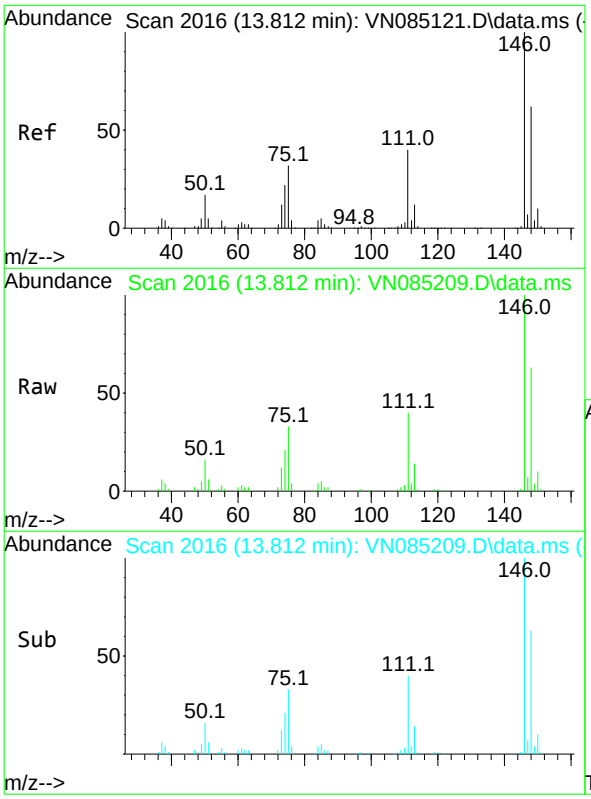
Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.1	63.3
148	63.5	31.8	95.3



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

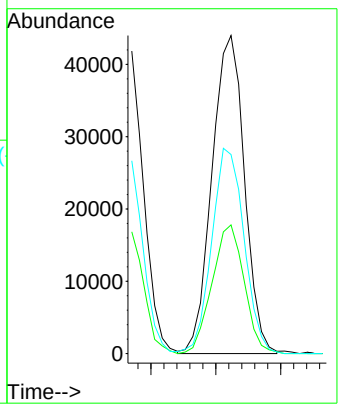
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

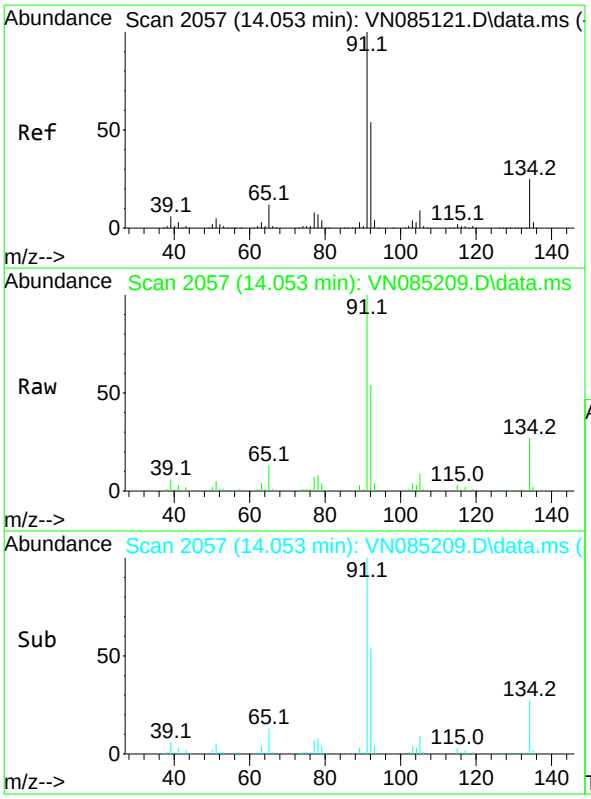


#84
1,4-Dichlorobenzene
Concen: 19.952 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:146 Resp: 76595

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.1	60.3
148	64.3	31.6	94.7

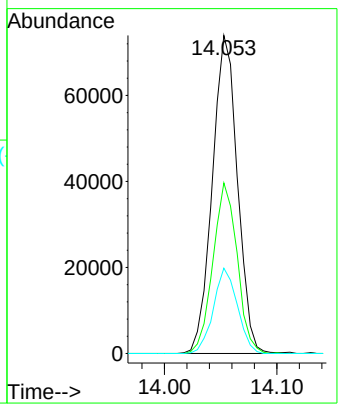




#85
n-Butylbenzene
Concen: 19.288 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 91 Resp: 114947

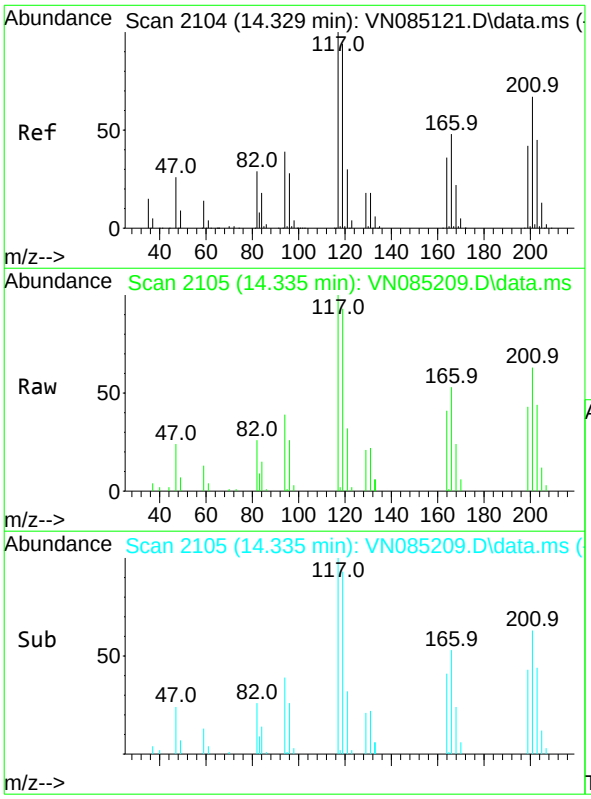
Ion	Ratio	Lower	Upper
91	100		
92	51.6	0.0	104.0
134	25.6	0.0	49.2



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
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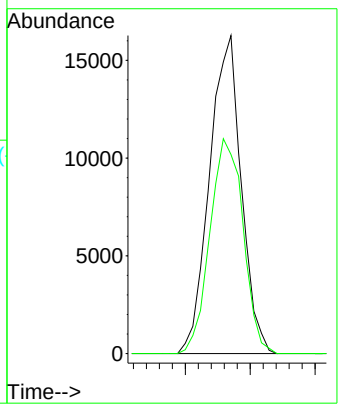
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

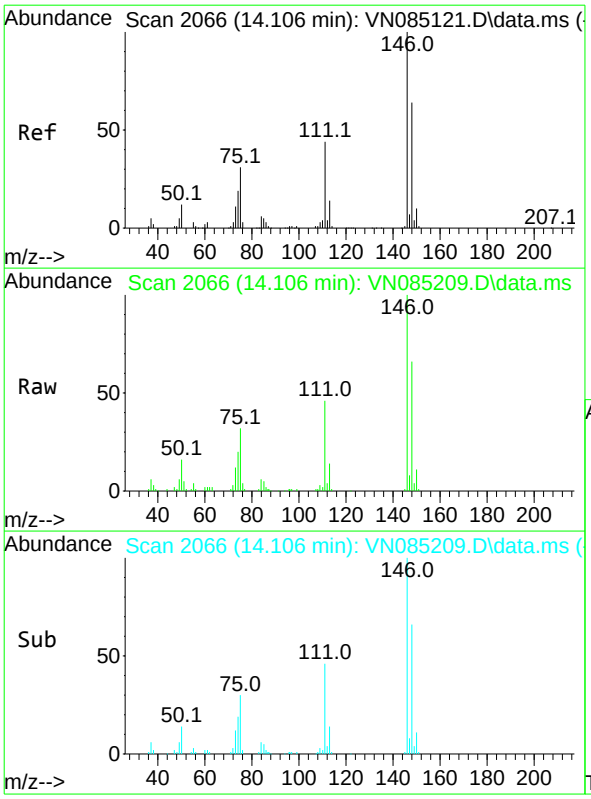


#86
Hexachloroethane
Concen: 19.558 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:117 Resp: 27662

Ion	Ratio	Lower	Upper
117	100		
201	70.7	34.1	102.3

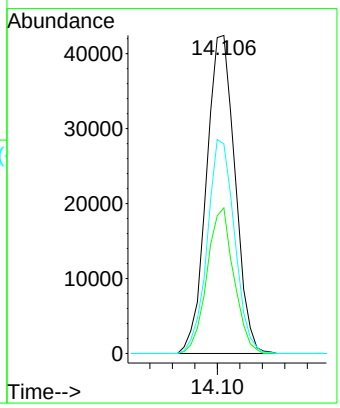




#87
1,2-Dichlorobenzene
Concen: 20.174 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:146 Resp: 75009

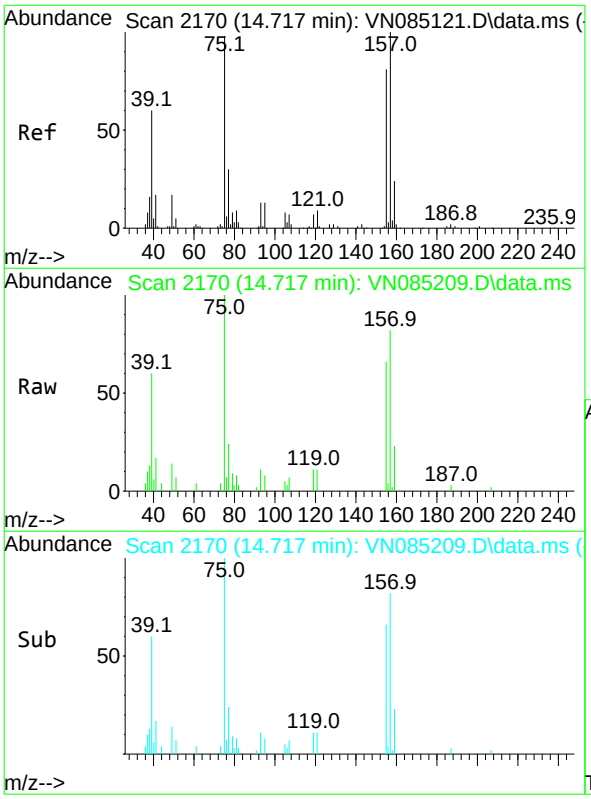
Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.9	65.7
148	64.2	32.4	97.0



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
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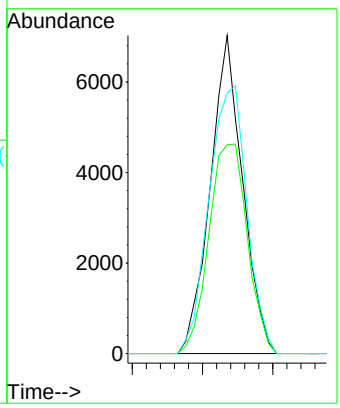
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

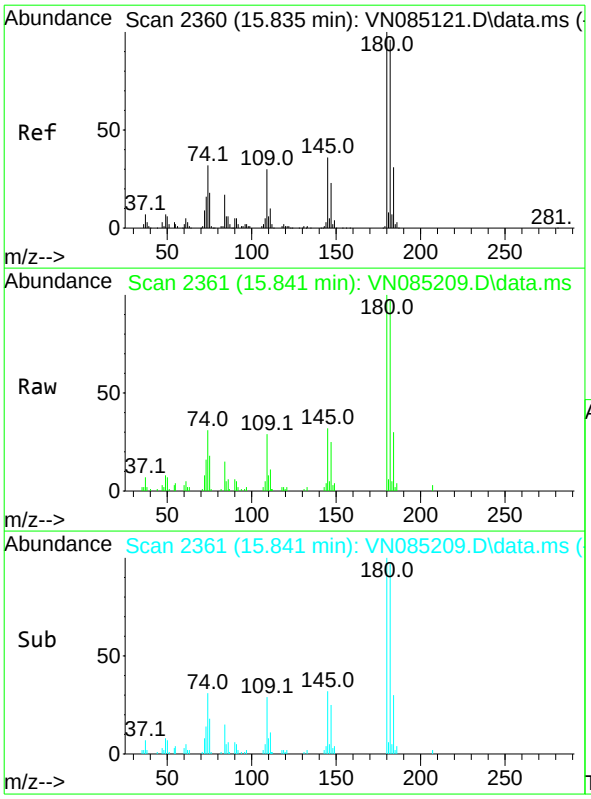


#88
1,2-Dibromo-3-Chloropropane
Concen: 21.598 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 75 Resp: 11257

Ion	Ratio	Lower	Upper
75	100		
155	78.1	62.1	93.1
157	98.6	79.3	118.9

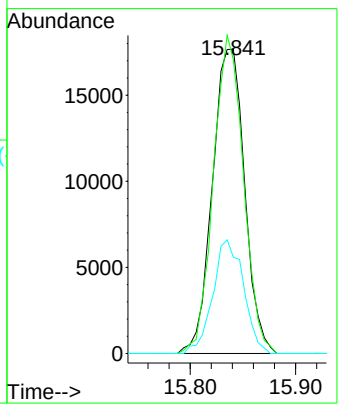




#89
1,2,4-Trichlorobenzene
Concen: 20.638 ug/l
RT: 15.841 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:180 Resp: 37581

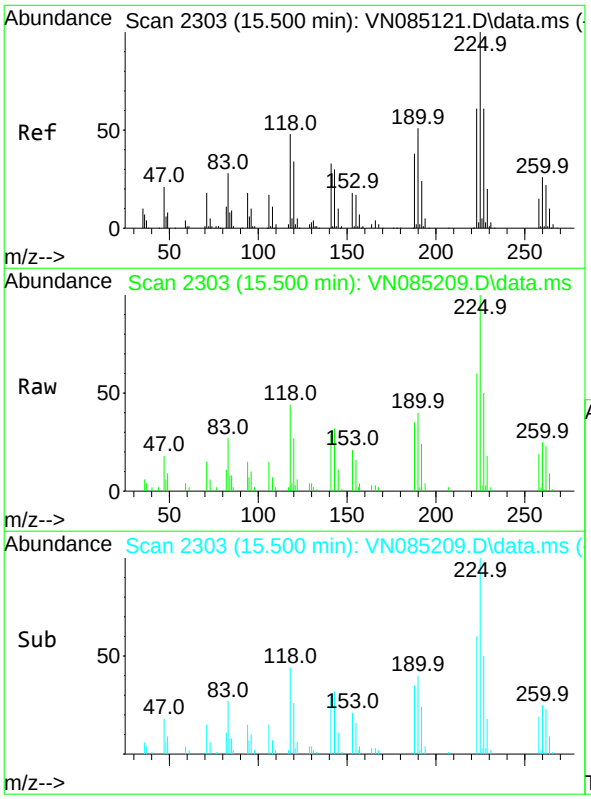
Ion	Ratio	Lower	Upper
180	100		
182	97.2	74.0	111.0
145	35.6	28.6	43.0



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

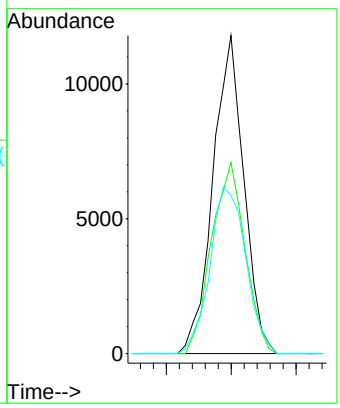
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024

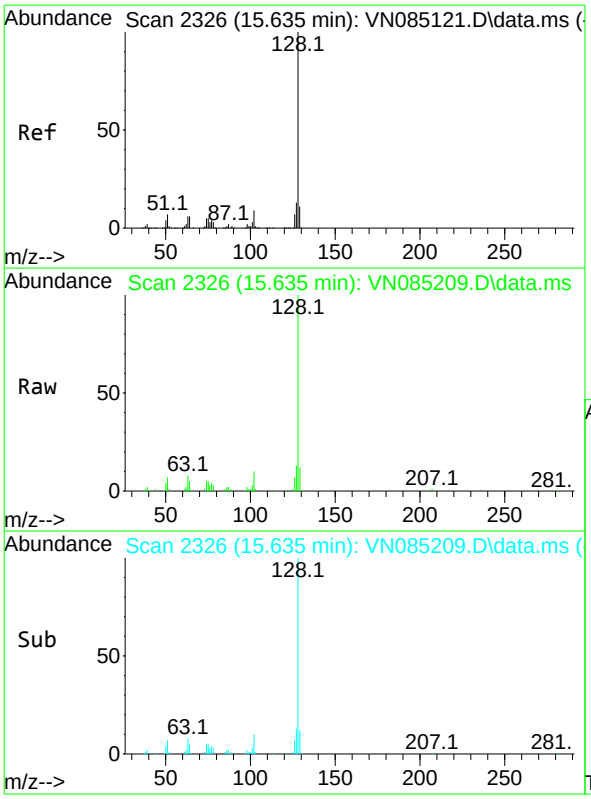


#90
Hexachlorobutadiene
Concen: 20.647 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:225 Resp: 19537

Ion	Ratio	Lower	Upper
225	100		
223	65.0	0.0	121.8
227	60.8	0.0	126.8

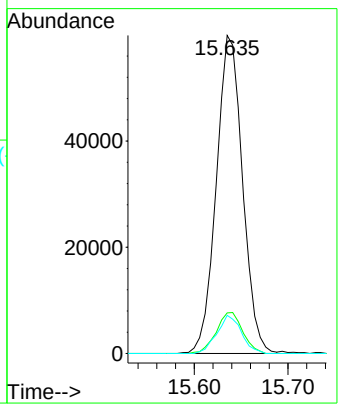




#91
Naphthalene
Concen: 20.616 ug/l
RT: 15.635 min Scan# 23
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:128 Resp: 116630

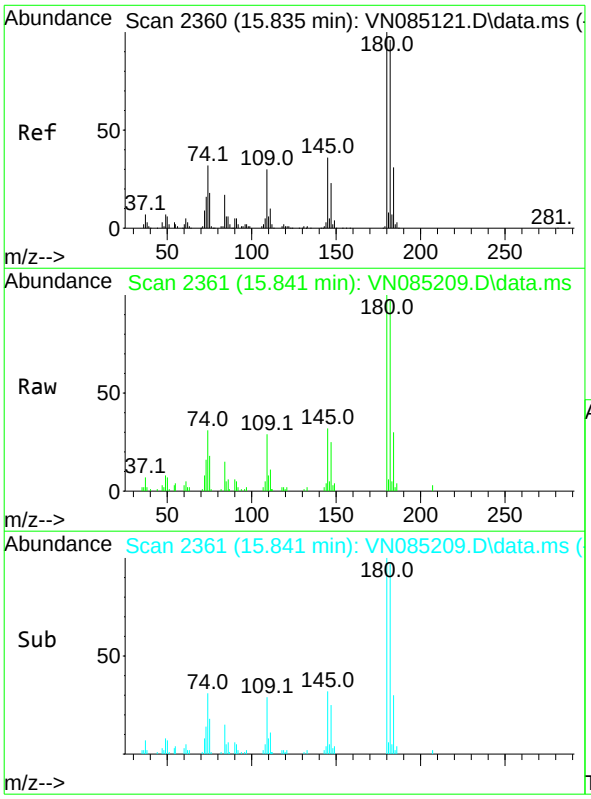
Ion	Ratio	Lower	Upper
128	100		
127	13.0	11.0	16.4
129	11.2	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Manual Integrations
APPROVED

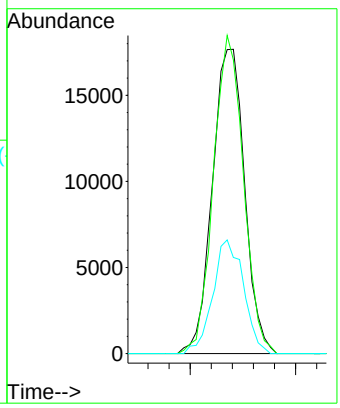
Reviewed By :John Carlone 12/16/2024
Supervised By :Mahesh Dadoda 12/17/2024



#92
1,2,3-Trichlorobenzene
Concen: 20.638 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:180 Resp: 37581

Ion	Ratio	Lower	Upper
180	100		
182	97.2	0.0	185.0
145	35.6	0.0	71.6



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Manual Integration Report

Sequence:	VN120624	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VN085117.D	1,1,2-Trichlorotrifluoroethane	MMDadoda	12/9/2024 8:33:19 AM	SAM	12/9/2024 8:36:08 AM	Peak Integrated by Software
VSTDICC005	VN085117.D	1,2,3-Trichloropropane	MMDadoda	12/9/2024 8:33:19 AM	SAM	12/9/2024 8:36:08 AM	Peak Integrated by Software
VSTDICC005	VN085117.D	Acrylonitrile	MMDadoda	12/9/2024 8:33:19 AM	SAM	12/9/2024 8:36:08 AM	Peak Integrated by Software
VSTDICC005	VN085117.D	Diisopropyl ether	MMDadoda	12/9/2024 8:33:19 AM	SAM	12/9/2024 8:36:08 AM	Peak Integrated by Software
VSTDICC005	VN085117.D	Methyl Iodide	MMDadoda	12/9/2024 8:33:19 AM	SAM	12/9/2024 8:36:08 AM	Peak Integrated by Software
VSTDICC005	VN085117.D	tert-Butyl Alcohol	MMDadoda	12/9/2024 8:33:19 AM	SAM	12/9/2024 8:36:08 AM	Peak Integrated by Software
VSTDICCC020	VN085118.D	1,2,3-Trichloropropane	MMDadoda	12/9/2024 8:33:21 AM	SAM	12/9/2024 8:36:06 AM	Peak Integrated by Software
VSTDICC050	VN085119.D	1,2,3-Trichloropropane	MMDadoda	12/9/2024 8:33:23 AM	SAM	12/9/2024 8:36:04 AM	Peak Integrated by Software
VSTDICC100	VN085120.D	1,2,3-Trichloropropane	MMDadoda	12/9/2024 8:33:25 AM	SAM	12/9/2024 8:36:00 AM	Peak Integrated by Software
VSTDICC150	VN085121.D	1,2,3-Trichloropropane	MMDadoda	12/9/2024 8:33:26 AM	SAM	12/9/2024 8:35:58 AM	Peak Integrated by Software
VSTDICC150	VN085121.D	Methyl tert-Butyl Ether	MMDadoda	12/9/2024 8:33:26 AM	SAM	12/9/2024 8:35:58 AM	Peak Integrated by Software
VSTDICV020	VN085123.D	1,2,3-Trichloropropane	MMDadoda	12/9/2024 8:33:28 AM	SAM	12/9/2024 8:35:57 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN120624	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	VN121624	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VN085207.D	1,2,3-Trichloropropane	JOHN	12/16/2024 12:40:49 PM	MMDadoda	12/17/2024 8:45:02 AM	Peak Integrated by Software
VN1216WBS01	VN085208.D	1,2,3-Trichloropropane	JOHN	12/16/2024 12:40:53 PM	MMDadoda	12/17/2024 8:45:05 AM	Peak Integrated by Software
VN1216WBSD01	VN085209.D	1,2,3-Trichloropropane	JOHN	12/16/2024 12:40:58 PM	MMDadoda	12/17/2024 8:45:05 AM	Peak Integrated by Software
VSTDCCC020	VN085216.D	1,2,3-Trichloropropane	MMDadoda	12/17/2024 8:45:07 AM	SAM	12/17/2024 8:46:45 AM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN120624

Review By	Mahesh Dadoda	Review On	12/9/2024 8:33:44 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/9/2024 8:36:31 AM		
SubDirectory	VN120624	HP Acquire Method		HP Processing Method	624N120624W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131993
Initial Calibration Stds	VP131999,VP132000,VP132001,VP132002,VP132003
CCC	VP131995
Internal Standard/PEM	
ICV/I.BLK	VP132004
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085116.D	06 Dec 2024 08:14	JC\MD	Ok
2	VSTDICC005	VN085117.D	06 Dec 2024 10:02	JC\MD	Ok,M
3	VSTDICCC020	VN085118.D	06 Dec 2024 10:26	JC\MD	Ok,M
4	VSTDICC050	VN085119.D	06 Dec 2024 10:49	JC\MD	Ok,M
5	VSTDICC100	VN085120.D	06 Dec 2024 11:13	JC\MD	Ok,M
6	VSTDICC150	VN085121.D	06 Dec 2024 11:37	JC\MD	Ok,M
7	IBLK	VN085122.D	06 Dec 2024 12:01	JC\MD	Ok
8	VSTDICV020	VN085123.D	06 Dec 2024 12:28	JC\MD	Ok,M
9	VN1206WBS01	VN085124.D	06 Dec 2024 13:42	JC\MD	Ok,M
10	VN1206WBSD01	VN085125.D	06 Dec 2024 14:16	JC\MD	Ok,M
11	VN1206WBL01	VN085126.D	06 Dec 2024 14:40	JC\MD	Ok
12	P5051-01	VN085127.D	06 Dec 2024 15:15	JC\MD	Ok
13	P5051-02	VN085128.D	06 Dec 2024 15:39	JC\MD	Ok
14	P5051-03	VN085129.D	06 Dec 2024 16:03	JC\MD	Ok
15	P5051-04	VN085130.D	06 Dec 2024 16:27	JC\MD	Ok
16	P5068-01	VN085131.D	06 Dec 2024 16:51	JC\MD	Ok
17	P5068-02	VN085132.D	06 Dec 2024 17:15	JC\MD	Ok
18	P5068-03	VN085133.D	06 Dec 2024 17:39	JC\MD	Ok
19	P5068-04	VN085134.D	06 Dec 2024 18:03	JC\MD	Ok,M
20	P5139-01	VN085135.D	06 Dec 2024 18:27	JC\MD	Ok
21	P5139-02	VN085136.D	06 Dec 2024 18:51	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN120624

Review By	Mahesh Dadoda	Review On	12/9/2024 8:33:44 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/9/2024 8:36:31 AM		
SubDirectory	VN120624	HP Acquire Method		HP Processing Method	624N120624W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131993
Initial Calibration Stds	VP131999,VP132000,VP132001,VP132002,VP132003
CCC	VP131995
Internal Standard/PEM	
ICV/I.BLK	VP132004
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P5044-01	VN085137.D	06 Dec 2024 19:15	JC\MD	Ok,M
23	P5044-02	VN085138.D	06 Dec 2024 19:39	JC\MD	Ok
24	P5192-01	VN085139.D	06 Dec 2024 20:03	JC\MD	Ok

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN121624

Review By	Mahesh Dadoda	Review On	12/17/2024 8:45:42 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/17/2024 8:46:46 AM		
SubDirectory	VN121624	HP Acquire Method		HP Processing Method	624N120624W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132153
Initial Calibration Stds	
CCC	VP132154,VP132155
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085206.D	16 Dec 2024 08:58	JC\MD	Ok
2	VSTDCCC020	VN085207.D	16 Dec 2024 09:42	JC\MD	Ok,M
3	VN1216WBS01	VN085208.D	16 Dec 2024 10:19	JC\MD	Ok,M
4	VN1216WBSD01	VN085209.D	16 Dec 2024 10:57	JC\MD	Ok,M
5	VN1216WBL01	VN085210.D	16 Dec 2024 11:21	JC\MD	Ok
6	P5276-03	VN085211.D	16 Dec 2024 11:57	JC\MD	Ok
7	P5276-04	VN085212.D	16 Dec 2024 12:21	JC\MD	Ok
8	IBLK	VN085213.D	16 Dec 2024 12:45	JC\MD	Ok
9	P5283-01	VN085214.D	16 Dec 2024 13:09	JC\MD	Ok
10	P5283-02	VN085215.D	16 Dec 2024 13:33	JC\MD	Ok
11	VSTDCCC020	VN085216.D	16 Dec 2024 16:33	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN120624

Review By	Mahesh Dadoda	Review On	12/9/2024 8:33:44 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/9/2024 8:36:31 AM		
SubDirectory	VN120624	HP Acquire Method		HP Processing Method	624N120624W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131993
Initial Calibration Stds	VP131999,VP132000,VP132001,VP132002,VP132003
CCC	VP131995
Internal Standard/PEM	
ICV/I.BLK	VP132004
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085116.D	06 Dec 2024 08:14		JC\MD	Ok
2	VSTDICC005	VSTDICC005	VN085117.D	06 Dec 2024 10:02	V13516	JC\MD	Ok,M
3	VSTDICCC020	VSTDICCC020	VN085118.D	06 Dec 2024 10:26		JC\MD	Ok,M
4	VSTDICC050	VSTDICC050	VN085119.D	06 Dec 2024 10:49		JC\MD	Ok,M
5	VSTDICC100	VSTDICC100	VN085120.D	06 Dec 2024 11:13		JC\MD	Ok,M
6	VSTDICC150	VSTDICC150	VN085121.D	06 Dec 2024 11:37		JC\MD	Ok,M
7	IBLK	IBLK	VN085122.D	06 Dec 2024 12:01		JC\MD	Ok
8	VSTDICV020	ICVVN120624	VN085123.D	06 Dec 2024 12:28		JC\MD	Ok,M
9	VN1206WBS01	VN1206WBS01	VN085124.D	06 Dec 2024 13:42		JC\MD	Ok,M
10	VN1206WBSD01	VN1206WBSD01	VN085125.D	06 Dec 2024 14:16		JC\MD	Ok,M
11	VN1206WBL01	VN1206WBL01	VN085126.D	06 Dec 2024 14:40		JC\MD	Ok
12	P5051-01	14B-1	VN085127.D	06 Dec 2024 15:15	vial A pH#6.0	JC\MD	Ok
13	P5051-02	14B-2	VN085128.D	06 Dec 2024 15:39	vial A pH#6.0	JC\MD	Ok
14	P5051-03	14B-3	VN085129.D	06 Dec 2024 16:03	vial A pH#6.0	JC\MD	Ok
15	P5051-04	14B-4	VN085130.D	06 Dec 2024 16:27	vial A pH#6.0	JC\MD	Ok
16	P5068-01	14B-1	VN085131.D	06 Dec 2024 16:51	vial A pH#6.0	JC\MD	Ok
17	P5068-02	14B-2	VN085132.D	06 Dec 2024 17:15	vial A pH#6.0	JC\MD	Ok
18	P5068-03	14B-3	VN085133.D	06 Dec 2024 17:39	vial A pH#6.0	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN120624

Review By	Mahesh Dadoda	Review On	12/9/2024 8:33:44 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/9/2024 8:36:31 AM		
SubDirectory	VN120624	HP Acquire Method		HP Processing Method	624N120624W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131993
Initial Calibration Stds	VP131999,VP132000,VP132001,VP132002,VP132003
CCC	VP131995
Internal Standard/PEM	
ICV/I.BLK	VP132004
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P5068-04	14B-4	VN085134.D	06 Dec 2024 18:03	vial A pH#6.0	JC\MD	Ok,M
20	P5139-01	001-WILLETS-PT-BLVD	VN085135.D	06 Dec 2024 18:27	vial A pH<2	JC\MD	Ok
21	P5139-02	002-35TH-AVE(DEC)	VN085136.D	06 Dec 2024 18:51	vial A pH<2	JC\MD	Ok
22	P5044-01	OUTFALL-DSN-001	VN085137.D	06 Dec 2024 19:15	vial A pH<2	JC\MD	Ok,M
23	P5044-02	OUTFALL-DSN-002	VN085138.D	06 Dec 2024 19:39	vial A pH<2	JC\MD	Ok
24	P5192-01	EFF-WASTE WATER	VN085139.D	06 Dec 2024 20:03	vial A pH<2	JC\MD	Ok

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN121624

Review By	Mahesh Dadoda	Review On	12/17/2024 8:45:42 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/17/2024 8:46:46 AM		
SubDirectory	VN121624	HP Acquire Method		HP Processing Method	624N120624W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132153
Initial Calibration Stds	
CCC	VP132154,VP132155
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	VN085206.D	16 Dec 2024 08:58		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN085207.D	16 Dec 2024 09:42	V13516	JC\MD	Ok,M
3	VN1216WBS01	VN1216WBS01	VN085208.D	16 Dec 2024 10:19		JC\MD	Ok,M
4	VN1216WBSD01	VN1216WBSD01	VN085209.D	16 Dec 2024 10:57		JC\MD	Ok,M
5	VN1216WBL01	VN1216WBL01	VN085210.D	16 Dec 2024 11:21		JC\MD	Ok
6	P5276-03	001-WILLETS-PT-BLVD	VN085211.D	16 Dec 2024 11:57	vial A pH<2	JC\MD	Ok
7	P5276-04	002-35TH-AVE(DEC)	VN085212.D	16 Dec 2024 12:21	vial A pH<2	JC\MD	Ok
8	IBLK	IBLK	VN085213.D	16 Dec 2024 12:45		JC\MD	Ok
9	P5283-01	TT-TB-20241213	VN085214.D	16 Dec 2024 13:09	vial A pH<2 TB	JC\MD	Ok
10	P5283-02	TT-RW10A-IDWGW-20	VN085215.D	16 Dec 2024 13:33	vial A pH<2	JC\MD	Ok
11	VSTDCCC020	VSTDCCC020EC	VN085216.D	16 Dec 2024 16:33		JC\MD	Ok,M

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : P5283

Test : VOCMS Group4

Prepbatch ID :

Sequence ID/Qc Batch ID: VN121624,

Standard ID :
VP130994,VP131767,VP131987,VP132005,VP132035,VP132153,VP132154,VP132155,

Chemical ID :
V12560,V12666,V13391,V13445,V13806,V14020,V14021,V14105,V14106,V14152,V14154,V14173,V14174,V14192,V14194,V14201,V14434,V14437,V14614,V14630,V14631,V14632,V14633,V14650,V14651,V14652,W3112,

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
466	624 Internal Standard and Surrogate Mix, 150PPM	VP130994	10/21/2024	12/31/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 10/28/2024

FROM 0.15000ml of V12560 + 0.15000ml of V12666 + 24.70000ml of V14152 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP131767	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2024

FROM 0.50000ml of V13391 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP131987	12/06/2024	01/05/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 1.00000ml of V14652 + 1.50000ml of V14650 + 1.50000ml of V14651 + 21.00000ml of V14152 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP132005	12/09/2024	01/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 0.40000ml of V13445 + 1.00000ml of V13806 + 1.00000ml of V14020 + 1.00000ml of V14021 + 1.00000ml of V14105 + 1.00000ml of V14106 + 1.00000ml of V14173 + 1.00000ml of V14174 + 1.00000ml of V14194 + 1.00000ml of V14434 + 1.00000ml of V14437 + 1.50000ml of V14192 + 1.50000ml of V14201 + 10.60000ml of V14152 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP132035	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 1.00000ml of V14630 + 1.00000ml of V14631 + 1.00000ml of V14632 + 1.00000ml of V14633 + 46.00000ml of V14614 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP132153	12/16/2024	12/17/2024	John Carlone	None	None	Mahesh Dadoda 12/18/2024

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
645	20 PPB CCC, 624	VP132154	12/16/2024	12/17/2024	John Carlone	None	None	Mahesh Dadoda 12/18/2024

FROM 39.97000ml of W3112 + 0.00500ml of VP131987 + 0.00500ml of VP132005 + 0.00500ml of VP132035 + 0.00800ml of VP130994 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
645	20 PPB CCC, 624	VP132155	12/16/2024	12/17/2024	John Carlone	None	None	Mahesh Dadoda 12/18/2024

FROM 39.97000ml of W3112 + 0.00500ml of VP131987 + 0.00500ml of VP132005 + 0.00500ml of VP132035 + 0.00800ml of VP130994 = Final Quantity: 40.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555584 / Custom Standard, CLP VOA SurrogateStd [CS 5179-4]	A0179624	12/31/2024	10/21/2024 / SAM	01/04/2022 / SAM	V12560

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555583 / Custom Standard, CLP VOA Internal Std [CS 5179-3]	A0181978	02/28/2025	10/21/2024 / SAM	02/22/2022 / SAM	V12666

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0181905	02/28/2025	11/26/2024 / SAM	01/23/2023 / SAM	V13445

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	A0194279	03/16/2025	09/16/2024 / SAM	05/31/2023 / SAM	V13806

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)	032922	03/29/2025	11/26/2024 / SAM	11/22/2023 / SAM	V14020

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	032922	03/29/2025	11/26/2024 / SAM	11/22/2023 / SAM	V14021

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	A0205179	05/26/2025	11/26/2024 / SAM	12/22/2023 / SAM	V14105

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	A0205179	05/26/2025	11/26/2024 / SAM	12/22/2023 / SAM	V14106

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	04/14/2025	10/14/2024 / SAM	02/06/2024 / SAM	V14152

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	05/18/2025	11/18/2024 / pedro	02/06/2024 / SAM	V14154

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	05/26/2025	11/26/2024 / SAM	02/20/2024 / SAM	V14173

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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	05/26/2025	11/26/2024 / SAM	02/20/2024 / SAM	V14174

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	A0200785	05/26/2025	11/26/2024 / SAM	02/28/2024 / SAM	V14192

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	A0200785	05/26/2025	11/26/2024 / SAM	02/28/2024 / SAM	V14194

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	A0200785	05/26/2025	11/26/2024 / SAM	02/28/2024 / SAM	V14201

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	05/26/2025	11/26/2024 / SAM	08/15/2024 / SAM	V14434

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	05/26/2025	11/26/2024 / SAM	08/15/2024 / SAM	V14437

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	06/10/2025	12/10/2024 / SAM	11/26/2024 / SAM	V14614

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14630

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14631

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14632

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14633

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	120524	01/05/2025	12/06/2024 / SAM	12/06/2024 / SAM	V14650

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	120524	01/05/2025	12/06/2024 / SAM	12/06/2024 / SAM	V14651

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	120524	01/05/2025	12/06/2024 / SAM	12/06/2024 / SAM	V14652

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

12 Baxter

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EG359-USQ12

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty 5E-05 Balance Uncertainty

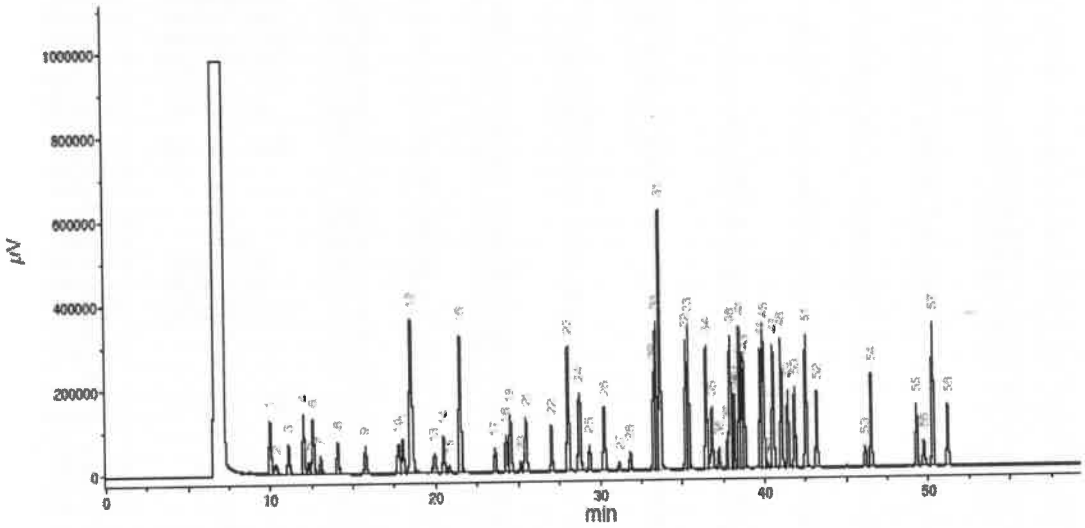
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0361)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.6	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.86
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EG359-USQ12

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty 5E-05 Balance Uncertainty

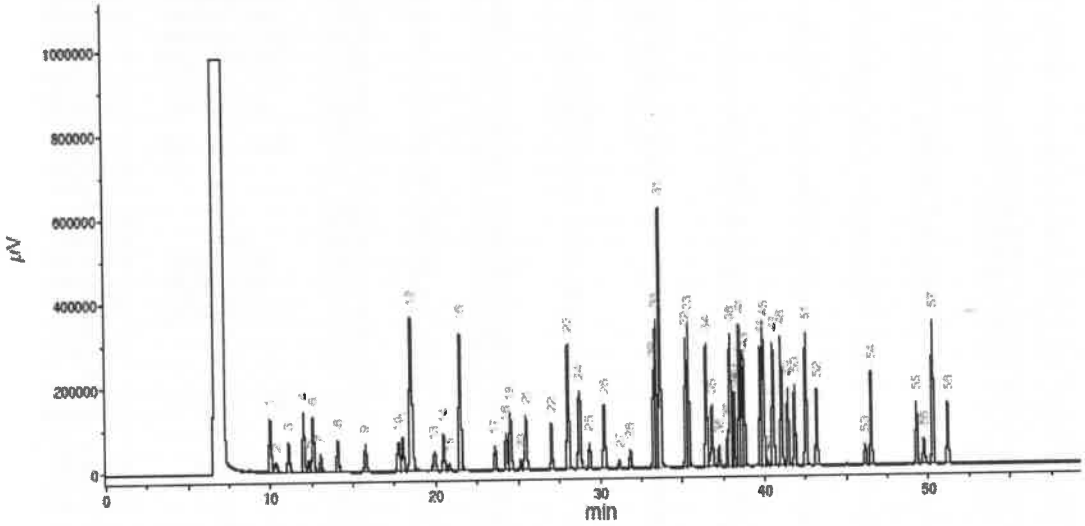
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethene	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.86
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
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Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

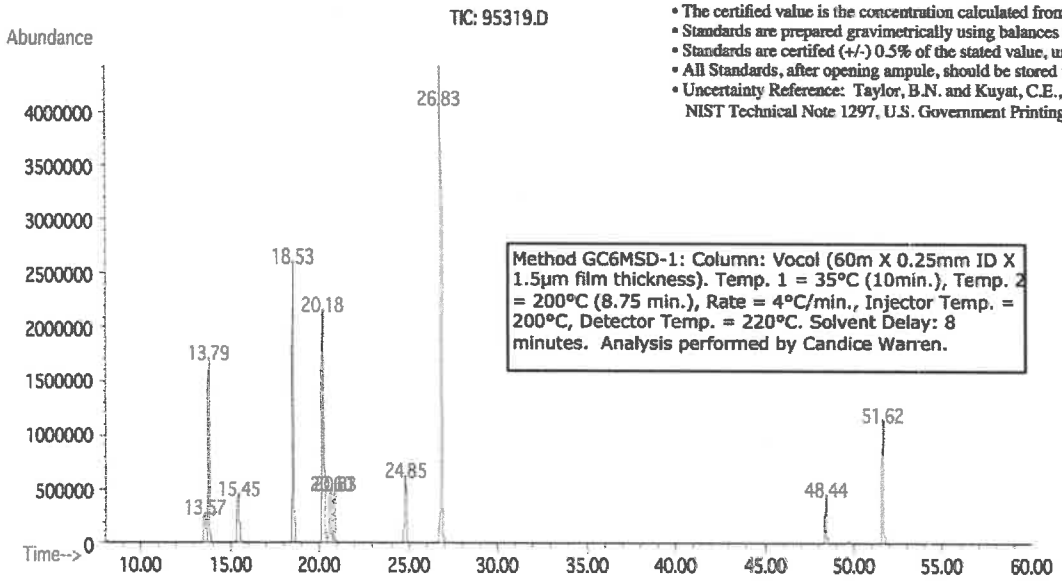
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Solvent(s): **Lot#**
Methanol EC592-US

Formulated By: Prashant Chauhan 032922 DATE

Reviewed By: Pedro L. Rentas 032922 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.	Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	orl-rat 78 mg/kg
2.	1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A	orl-rat 2670mg/kg
3.	Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
4.	Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	orl-rat 8470mg/kg
5.	1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg
6.	Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
7.	Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A	N/A
8.	Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A	orl-rat 4g/kg
9.	Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	orl-rat 39mg/kg
10.	Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m3/8H)	orl-rat 1650mg/kg
11.	1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A	orl-rat 6408mg/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 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).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

Absolute Standards Inc.

PO Box 5585
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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, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components:	CAS#:	LD50 Oral - Rat	OSHA PEL	% (optional)
Methanol	67-56-1	2,769 mg/kg	200 ppm	> 99

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

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

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

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

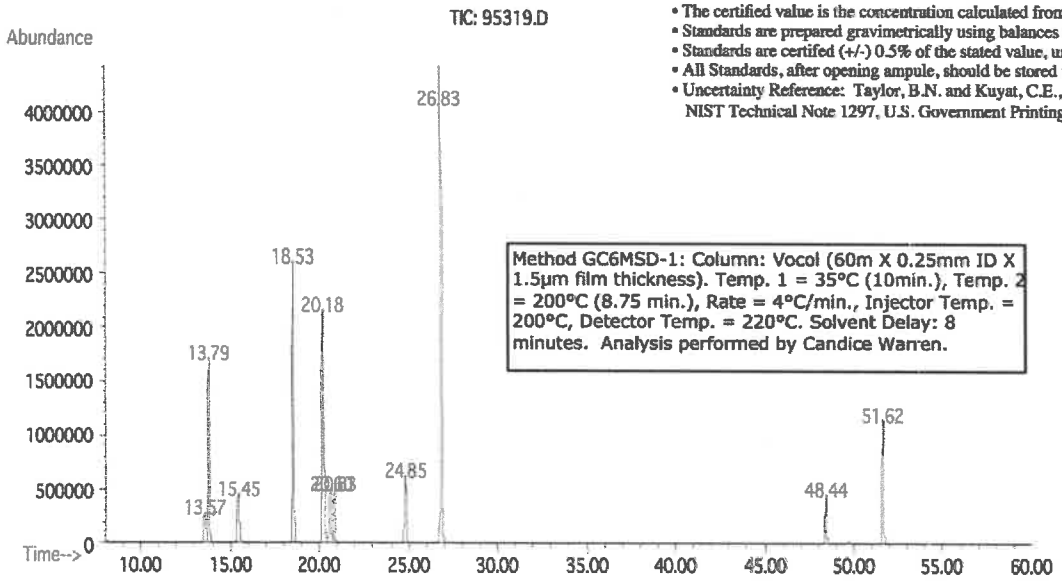
Part Number:	95319
Lot Number:	032922
Description:	Revised Additions Mix
	11 components
Expiration Date:	032925
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	Varied
NIST Test ID#:	6UTB

Solvent(s): **Lot#**
Methanol EC592-US

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Formulated By:	Prashant Chauhan	032922 DATE
Reviewed By:	Pedro L. Rentas	032922 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. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	orl-rat 78 mg/kg
2. 1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A	orl-rat 2670mg/kg
3. Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	orl-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A	orl-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	orl-rat 39mg/kg
10. Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m3/8H)	orl-rat 1650mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A	orl-rat 6408mg/kg



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- 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).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

Absolute Standards Inc.

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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, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components:	CAS#:	LD50 Oral - Rat	OSHA PEL	% (optional)
Methanol	67-56-1	2,769 mg/kg	200 ppm	> 99

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

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Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

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

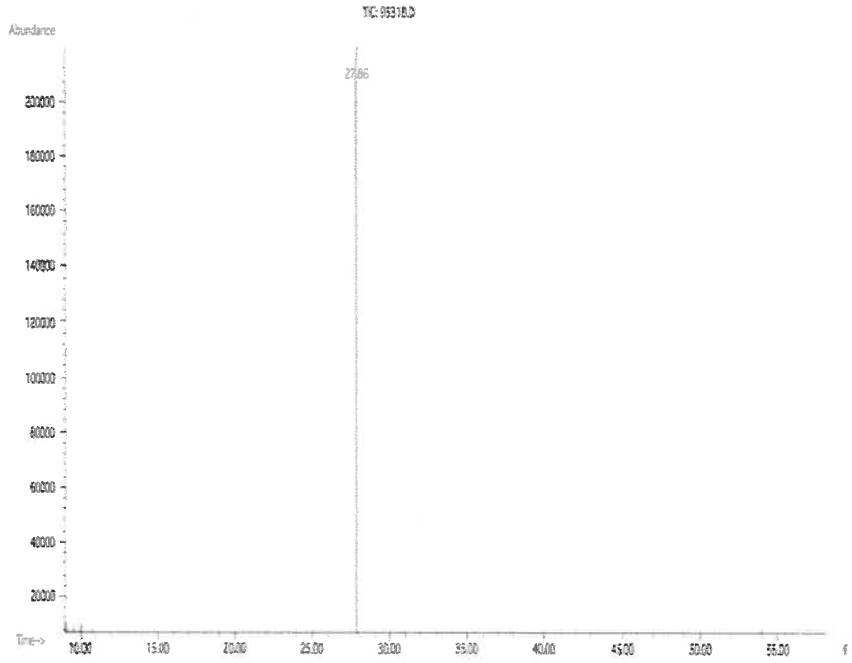
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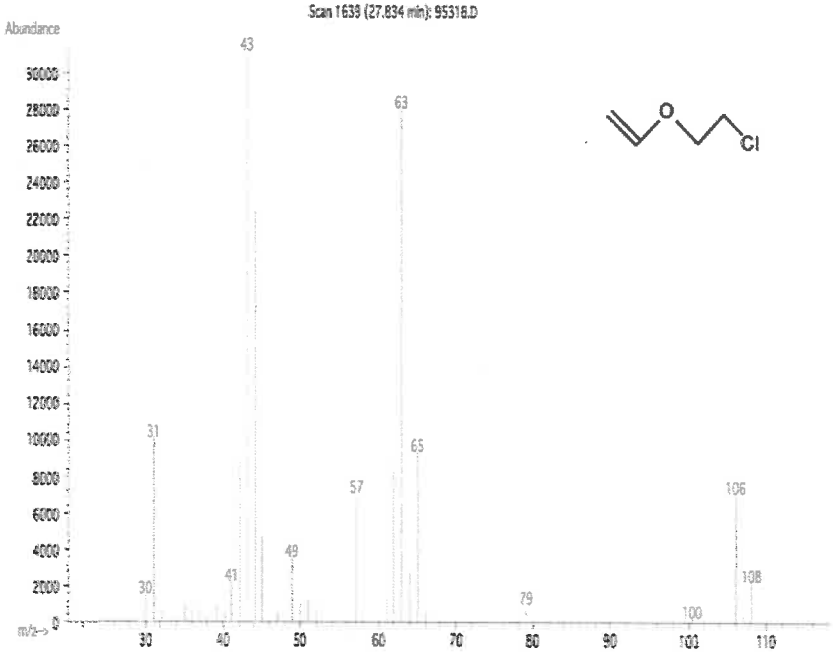
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

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).

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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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CERTIFIED 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

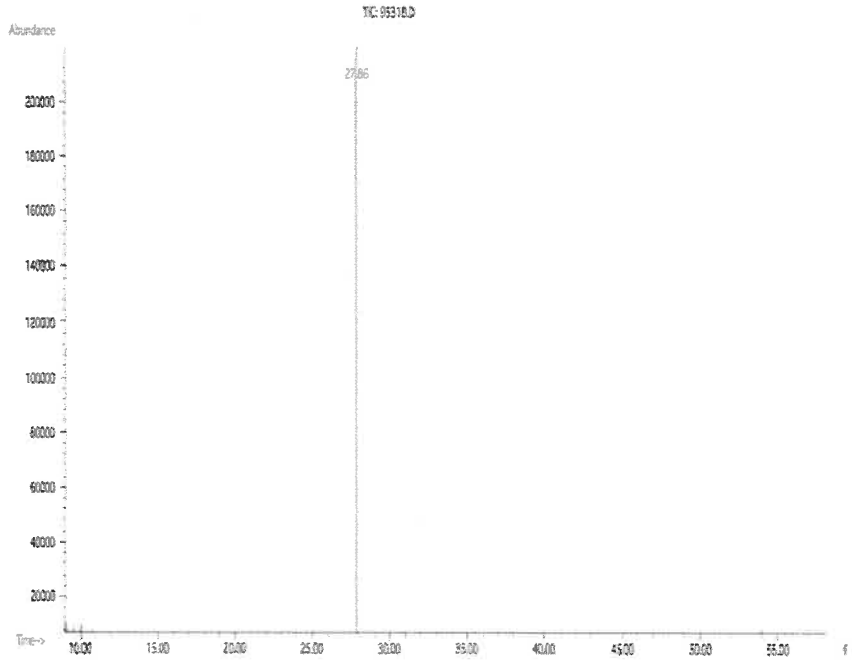
5E-05 Balance Uncertainty

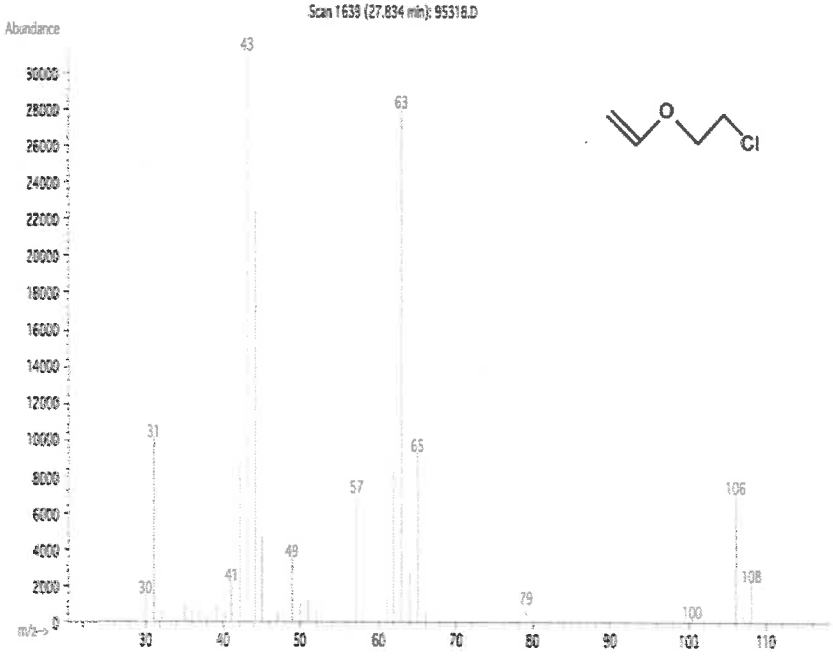
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524	
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas	120524	
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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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

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If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
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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

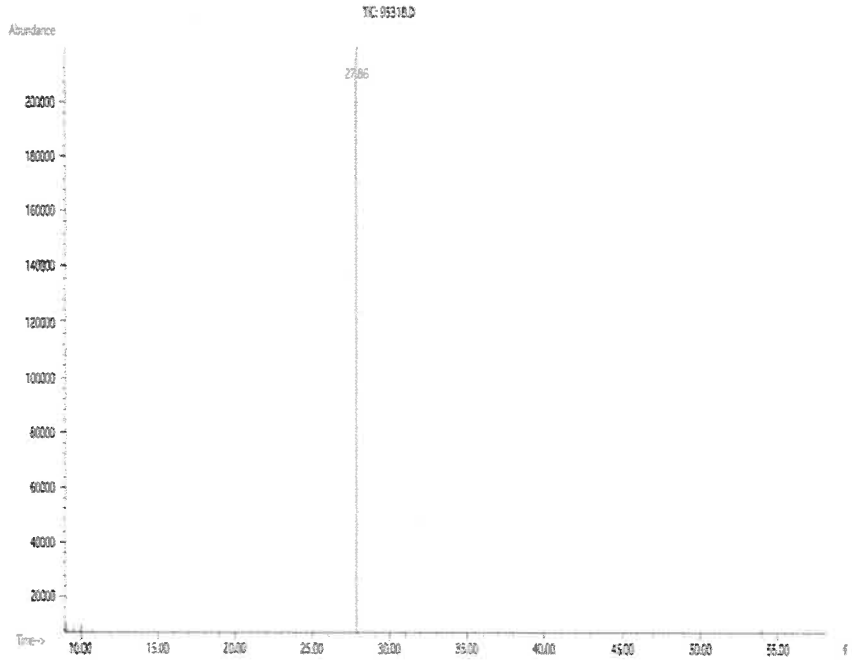
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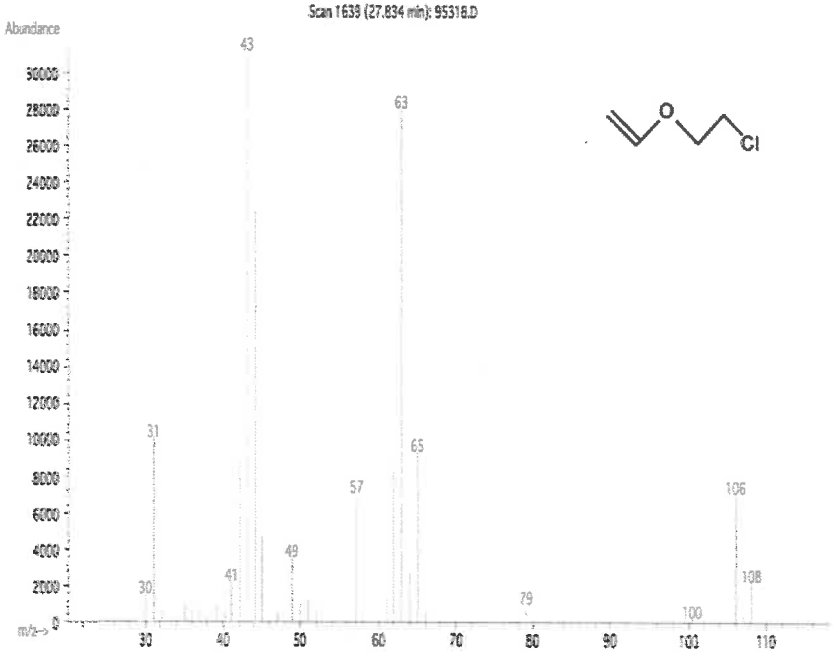
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

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.

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V14649

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CERTIFIED WEIGHT REPORT

Part Number:	95318
Lot Number:	120524
Description:	2-Chloroethyl vinyl ether
Expiration Date:	120527
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	10000
NIST Test ID#:	6UTB

Solvent(s): Methanol **Lot#** EJ143-US

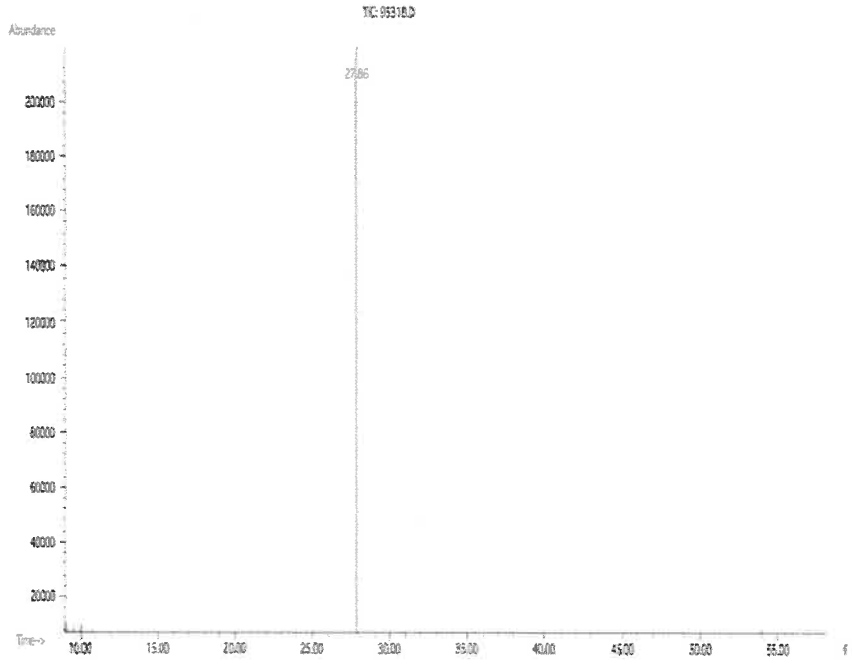
5E-05 Balance Uncertainty

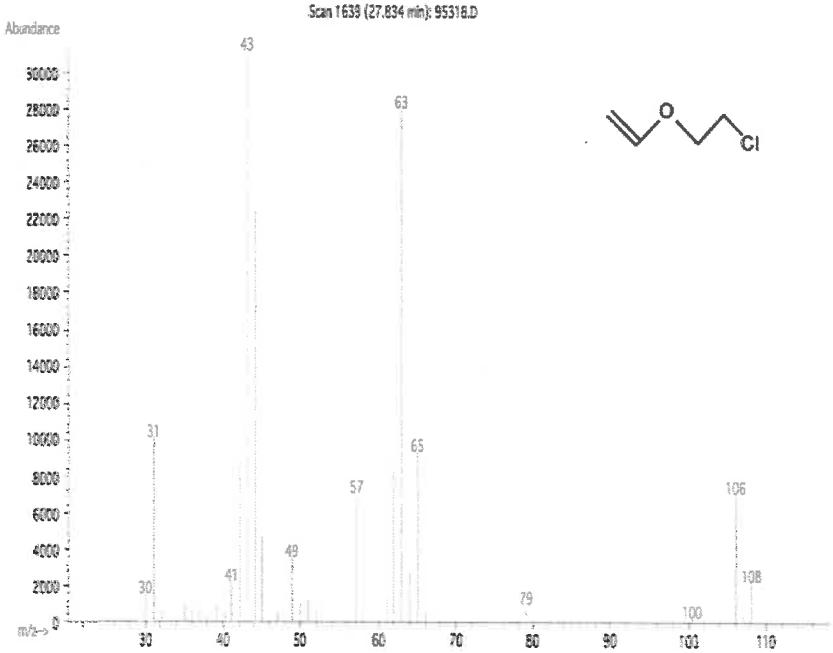
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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Certified Reference Material CRM

Rec 12/6/24
5 Vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 120524
Description: Acrolein

Expiration Date: 010525
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): Water **Lot#** 072324Q

V14650-54

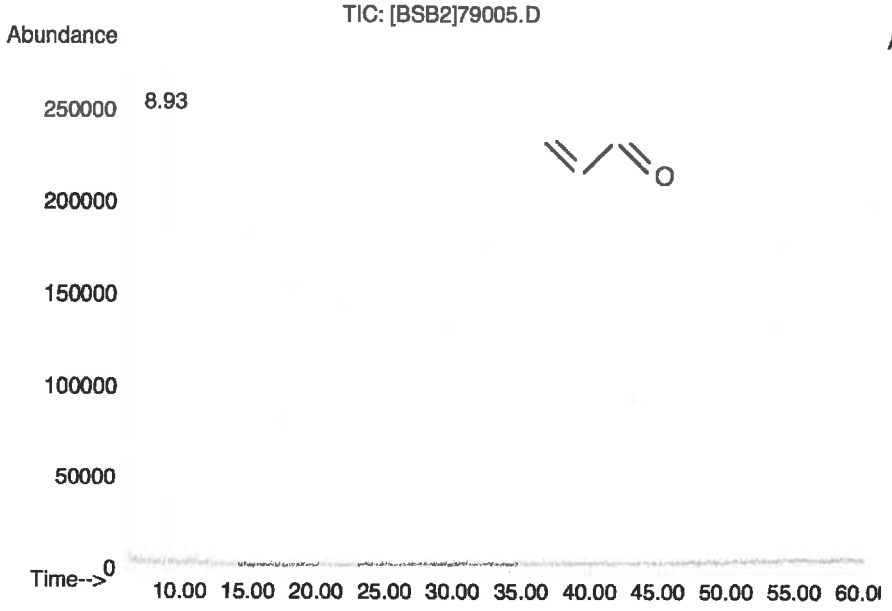
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Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

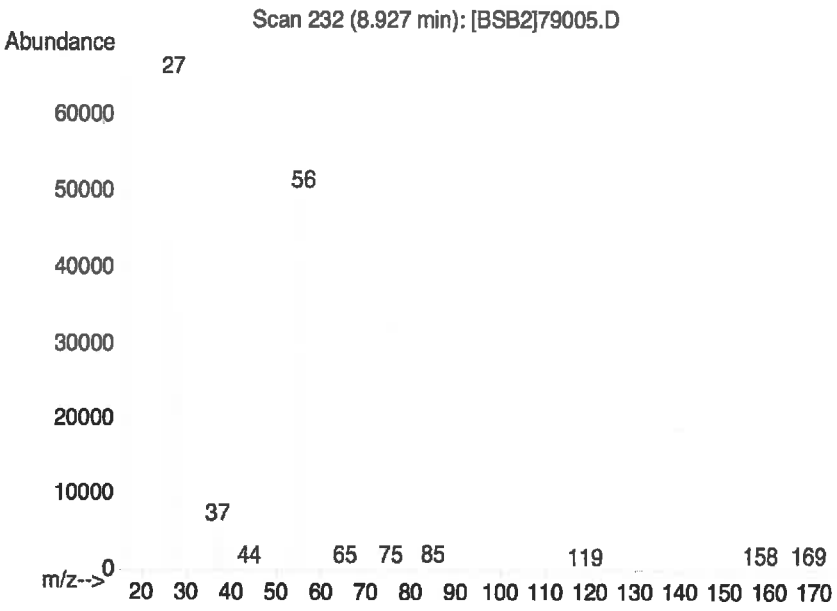
5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10320	5006.1	51.8	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

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Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA
Solubility in Water	Completely miscible		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA

Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA

Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
5 Vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 120524
Description: Acrolein

Expiration Date: 010525
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

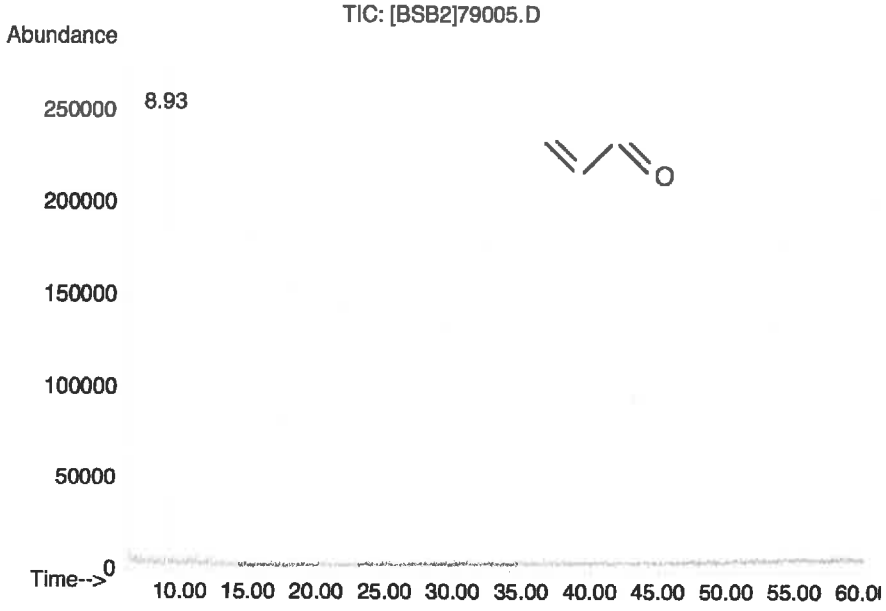
V14650-54

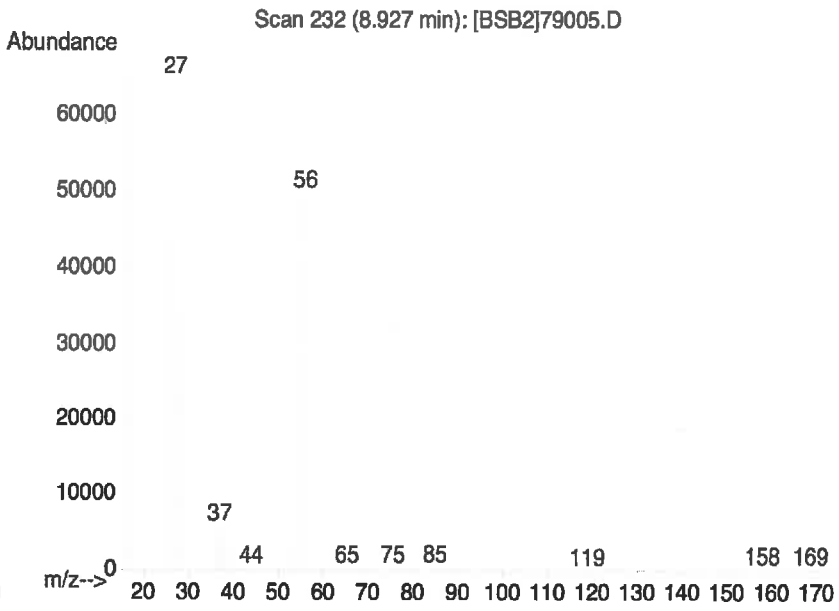
Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10320	5006.1	51.8	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.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA
Solubility in Water	Completely miscible		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA

Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA

Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
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Proper shipping name: Water

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Rec 12/6/24
5 Vial

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NIST Test ID#: 6UTB

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Water 072324Q

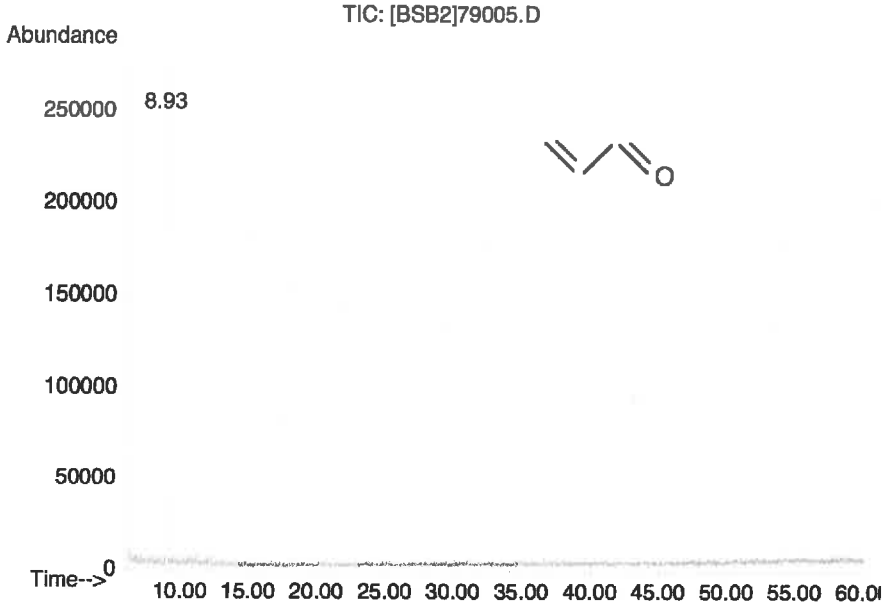
V14650-54

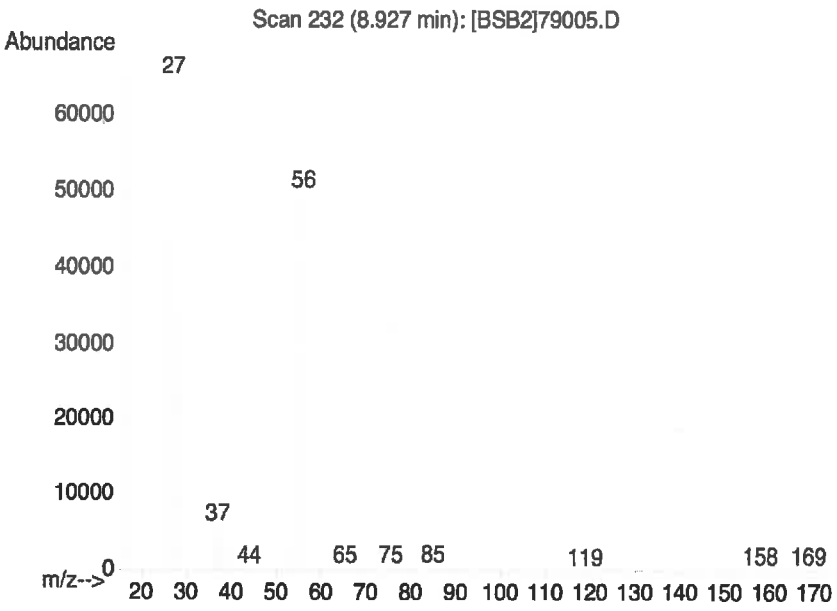
Prashant Chauhan		120524
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Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

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Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA
Solubility in Water	Completely miscible		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	NA
Conditions to avoid	NA
Materials to avoid	NA

Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat	NA
LC50 Inhalation - Rat	NA
LD50 Dermal - Guinea pig	NA

Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50	NA
EC50	NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

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. : 555583 **Lot No.:** A0181978

Description : Custom CLP VOA Internal Standard Mix

Custom CLP VOA Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,4-Difluorobenzene **CAS #** 540-36-3 (Lot MKBN8571V) **Purity** 99%	25,032.0 µg/mL	+/- 231.6508 µg/mL +/- 1,415.0433 µg/mL +/- 1,447.6224 µg/mL	Gravimetric Unstressed Stressed
2	Bromochloromethane **CAS #** 74-97-5 (Lot 00008541) **Purity** 99%	25,036.0 µg/mL	+/- 231.6879 µg/mL +/- 1,415.2694 µg/mL +/- 1,447.8538 µg/mL	Gravimetric Unstressed Stressed
3	Chlorobenzene-d5 **CAS #** 3114-55-4 (Lot PR-29571) **Purity** 99%	25,104.0 µg/mL	+/- 232.3171 µg/mL +/- 1,419.1134 µg/mL +/- 1,451.7863 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Miranda Kline

Miranda Kline - Operations Technician I

Date Mixed: 17-Feb-2022 **Balance:** B707717271

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0181905

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	tert-Butanol (TBA)		50,126.0 µg/mL	+/- 293.4988 µg/mL	Gravimetric
	CAS # 75-65-0	(Lot SHBM7694)		+/- 1,073.7654 µg/mL	Unstressed
	Purity 99%			+/- 1,104.9494 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

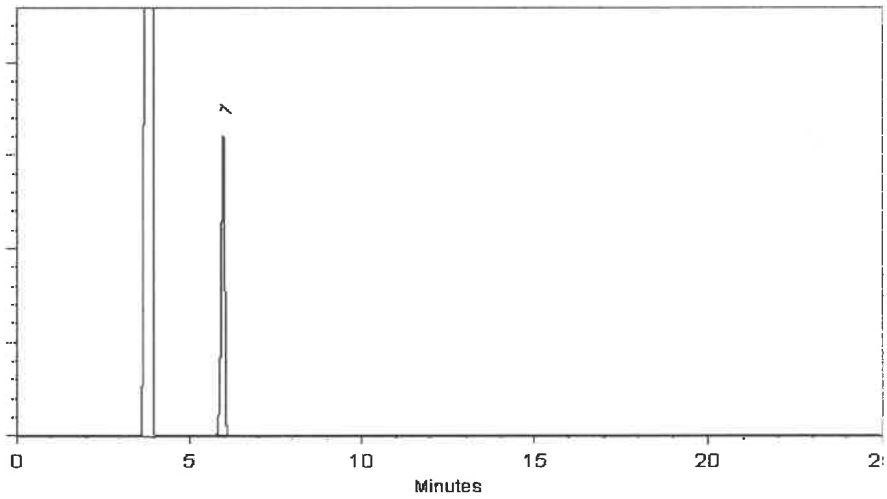
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 16-Feb-2022 **Balance:** B442140311

Marlina Cowan - Operations Tech I

Date Passed: 21-Feb-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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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.)

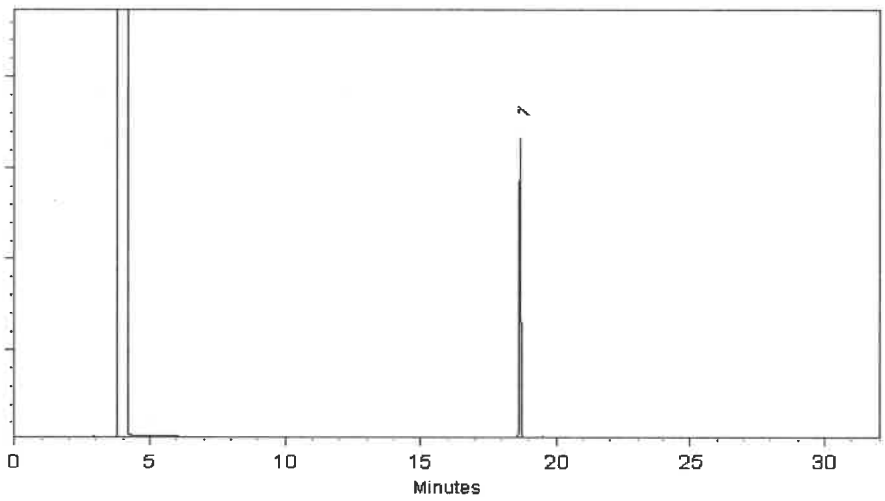
Inj. Temp:
200°C

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.

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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.:** A0194279

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 : October 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	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,001.5 µg/mL	+/- 112.7231
2	Chloromethane (methyl chloride)	74-87-3	SHBK6571	99%	2,001.2 µg/mL	+/- 112.5863
3	Vinyl chloride	75-01-4	00015559	99%	2,001.4 µg/mL	+/- 112.6561
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8262
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,001.9 µg/mL	+/- 112.5897
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,000.8 µg/mL	+/- 112.6473

* 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.

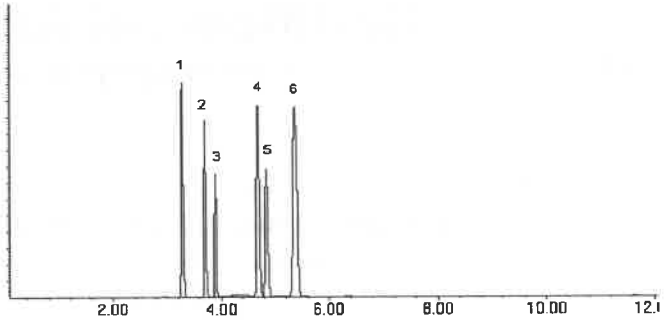
Inj. Temp:
200°C

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: 03-Feb-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Feb-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

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 : November 30, 2026 **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	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* 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.)

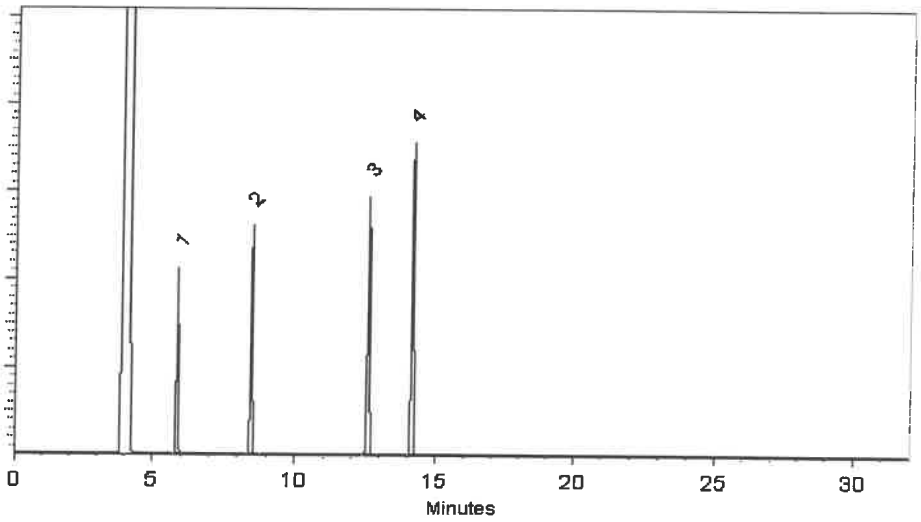
Inj. Temp:
200°C

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.

Laith Clemente - Operations Technician I **Date Mixed:** 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC **Date Passed:** 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

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 : November 30, 2026 **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	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* 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.)

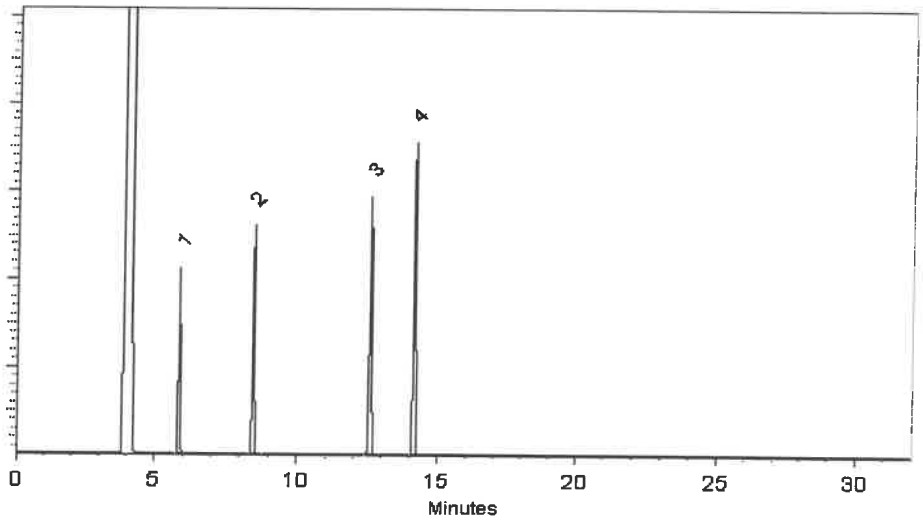
Inj. Temp:
200°C

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.

Laith Clemente - Operations Technician I **Date Mixed:** 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC **Date Passed:** 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

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 : November 30, 2026 **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	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* 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.)

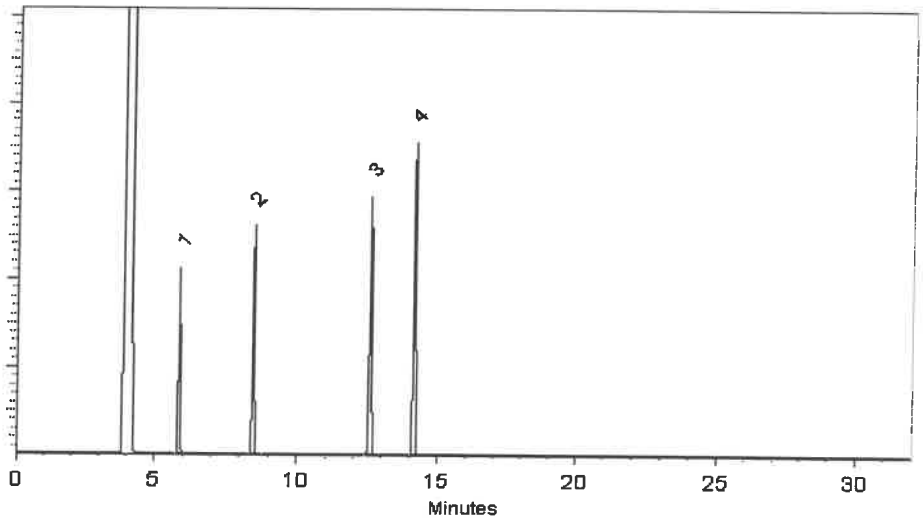
Inj. Temp:
200°C

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.

Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic

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.:** A0205179

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, 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	Vinyl acetate	108-05-4	RP231030CTH	98%	8,075.2 µg/mL	+/- 279.1159

* 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.)

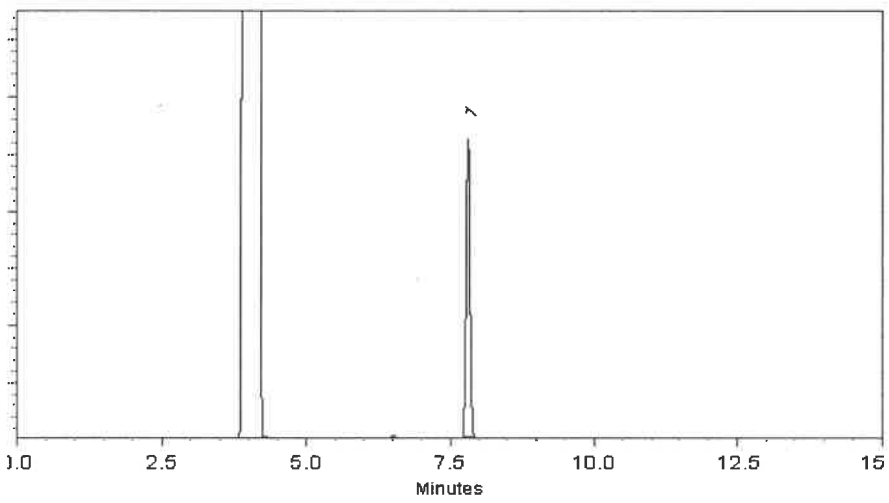
Inj. Temp:
200°C

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.

Daniel Wasson - Operations Tech I **Date Mixed:** 06-Dec-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 11-Dec-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0205179

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, 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	Vinyl acetate	108-05-4	RP231030CTH	98%	8,075.2 µg/mL	+/- 279.1159

* 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.)

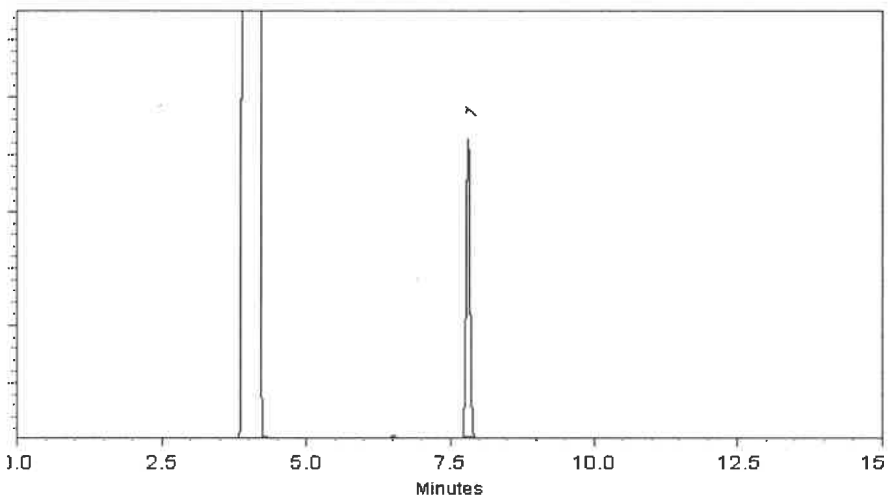
Inj. Temp:
200°C

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.

Daniel Wasson - Operations Tech I **Date Mixed:** 06-Dec-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 11-Dec-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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.)

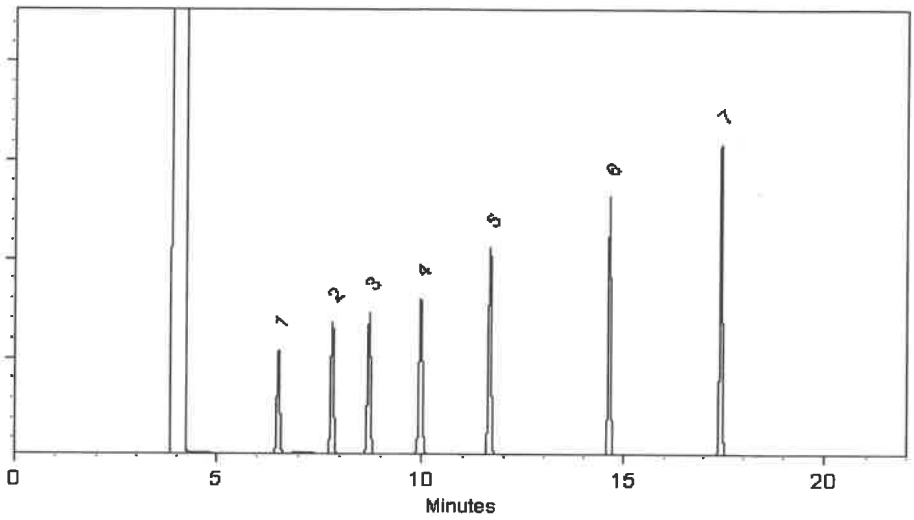
Inj. Temp:
200°C

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:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

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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.)

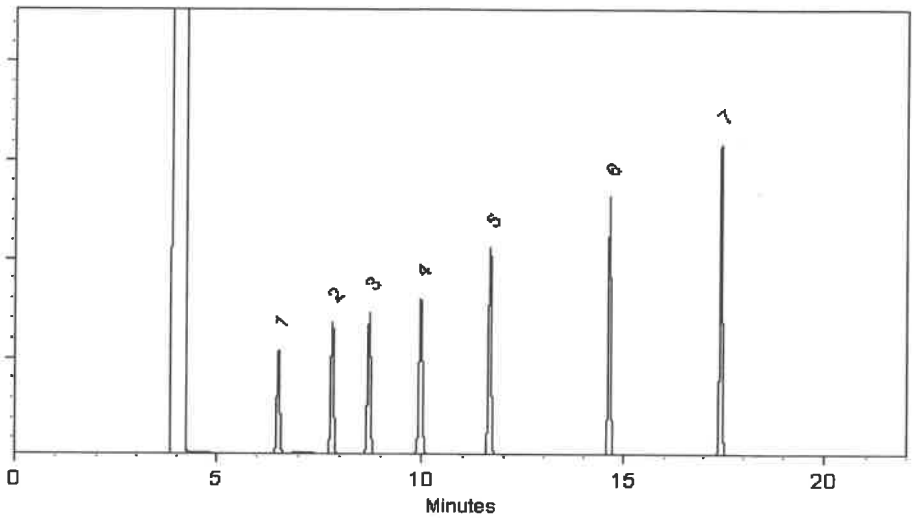
Inj. Temp:
200°C

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:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Gravimetric Certificate

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Certificate #3222.01

ilac-MRA

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. : 555584 **Lot No.:** A0179624

Description : Custom CLP VOA Surrogate Standard Mix

Custom CLP VOA Surrogate Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2024 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,2-Dichloroethane-d4 **CAS #** 17060-07-0 (Lot PR-29377) **Purity** 99%	25,032.0 µg/mL	+/- 231.6508 µg/mL +/- 1,415.0433 µg/mL +/- 1,447.6224 µg/mL	Gravimetric Unstressed Stressed
2	1-Bromo-4-fluorobenzene (BFB) **CAS #** 460-00-4 (Lot 20401KO) **Purity** 99%	25,072.0 µg/mL	+/- 232.0210 µg/mL +/- 1,417.3044 µg/mL +/- 1,449.9357 µg/mL	Gravimetric Unstressed Stressed
3	Toluene-d8 **CAS #** 2037-26-5 (Lot PR-31958) **Purity** 99%	25,024.0 µg/mL	+/- 231.5768 µg/mL +/- 1,414.5910 µg/mL +/- 1,447.1598 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Cathleen Soltis
Cathleen Soltis - Mix Technician

Date Mixed: 16-Dec-2021 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

NTP:

Chemical Name	CAS No.
No data available	

IARC:

Chemical Name	CAS No.	Group No.

12. ECOLOGICAL INFORMATION

Overview:	Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.
Mobility:	No data
Persistence:	No data
Bioaccumulation:	No data
Degradability:	Biodegrades slowly.
Ecological Toxicity Data:	No data available

13. DISPOSAL CONSIDERATIONS

Waste Description of Spent Product:	Spent or discarded material is a hazardous waste.Mixing spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous waste determination on mixtures.
Disposal Methods:	Dispose of by incineration following Federal, State, Local, or Provincial regulations.
Waste Disposal of Packaging:	Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORTATION INFORMATION

United States:	
DOT Proper Shipping Name:	Flammable liquids, n.o.s (Methanol, Toluene-d8)
UN Number:	UN1993
Hazard Class:	3
Packing Group:	II
International:	
IATA Proper Shipping Name:	Flammable liquids, n.o.s (Methanol, Toluene-d8)
UN Number:	UN1993
Hazard Class:	3
Packing Group:	II

Marine Pollutant: No

Chemical Name	CAS#	Marine Pollutant	Severe Marine Pollutant
No data available			

15. REGULATORY INFORMATION

United States:

Chemical Name	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
P&T Methanol	67-56-1	X	X	-	X
1-Bromo-4-fluorobenzene (BFB)	460-00-4	-	-	-	X
1,2-dichloroethane-d4	17060-07-0	-	-	-	-
toluene-d8	2037-26-5	-	-	-	-

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation
Methanol	67-56-1	Prop 65 Devolop Tox

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California
P&T Methanol	67-56-1	X	X	X	X
1-Bromo-4-	460-00-4	-	-	-	-

fluorobenzene (BFB)					
1,2-dichloroethane-d4	17060-07-0	-	-	-	-
toluene-d8	2037-26-5	-	-	-	-

16. OTHER INFORMATION

Prior Version Date: 01/05/17

Other Information: Any changes to the SDS compared to previous versions are marked by a vertical line in front of the concerned paragraph.

References: No data available

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding products described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

Methanol
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Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

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: P5283

COC Number:

CLIENT INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
COMPANY: Tetra Tech	PROJECT NAME: NWIRP Bethpage	BILL TO: SEE CONTRACT PO#
ADDRESS: 4433 Corporation Ln, Suite 300	PROJECT #: 112G08005-WE13 LOCATION: GW IDW	ADDRESS:
CITY: Virginia Beach STATE: VA ZIP: 23462	PROJECT MANAGER: Dave Brayack	CITY: STATE: ZIP:
ATTENTION: Ernie Wu	E-MAIL: david.brayack@tetratech.com	ATTENTION: PHONE:
PHONE: 757-466-4901 FAX: 757-461-4148	PHONE: 757-466-4909 FAX: 757-461-4148	

DATA TURNAROUND INFORMATION

FAX:_____24hr_____ DAYS*
HARD COPY:_____24hr_____DAYS*
EDD_____24hr_____DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS 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's (EPA 624)	pH	Total Metals	PCB's (EPA 8082)					

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								A		B							<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
1.	TT-TB-20241213	QA		X	12/13/24	9:00	2	2									Trip Blank
2.	TT-RW10A-IDWGW-20241213	AQ		X	12/13/24	10:15	6	3	1	1	1						Refer to COC for Name
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME		
RELINQUISHED BY SAMPLER 1.	12/13/24 1300	RECEIVED BY 1.	1300 12-13-24
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.	
RELINQUISHED BY 3.	DATE/TIME 12-13-24	RECEIVED FOR LAB BY 3.	

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.1c
MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?:_____
Comments:
24hr TAT - CTO-WE13 Drilling GW IDW Sampling - RW10A

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

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

Alliance TECHNICAL GROUP

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P5283 TETR06
Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
Invoice Contact : Ernie Wu

Order Date : 12/13/2024 1:07:00 PM
Project Name : CTO WE13
Receive DateTime : 12/13/2024 ~~12:00:00~~ AM 13:05
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : ADAPT
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P5283-01	TT-TB-20241213	Water	12/13/2024	09:00					
					VOCMS Group4		624.1		1 Bus. Day
P5283-02	TT-RW10A-IDWGW-20241213	Water	12/13/2024	10:15					
					VOCMS Group4		624.1		1 Bus. Day

Relinguished By : [signature]
Date / Time : 12-16-24 9:55

Received By : [signature]
Date / Time : 12-16-24 9:55

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085117.D
Acq On : 06 Dec 2024 10:02
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Dec 06 22:28:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	29169	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	144230	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	136167	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	71806	31.025	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.400%				
60) 4-Bromofluorobenzene	12.847	95	65235	28.954	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.500%				
63) Toluene-d8	10.565	98	199139	31.177	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.933%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	10073	4.316	ug/l		100
3) Chloromethane	2.359	50	10004	4.843	ug/l		96
4) Vinyl Chloride	2.518	62	10554	4.995	ug/l	#	88
5) Bromomethane	2.953	94	7670	5.718	ug/l		97
6) Chloroethane	3.124	64	6472	4.986	ug/l	#	87
7) Trichlorofluoromethane	3.500	101	16991	4.913	ug/l		98
8) Diethyl Ether	3.965	74	4729	4.317	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.365	101	5792	2.995	ug/l		57
10) 1,1-Dichloroethene	4.342	96	8113	4.567	ug/l		92
11) Methyl Iodide	4.594	142	5932	2.408	ug/l		98
12) Methyl Acetate	5.030	43	9920	4.734	ug/l		99
13) Acrolein	4.189	56	7501	24.630	ug/l		87
14) Acrylonitrile	5.706	53	7723	8.875	ug/l	#	1
15) Acetone	4.418	58	5274	22.365	ug/l		85
16) Carbon Disulfide	4.706	76	26140	4.923	ug/l		96
17) Allyl chloride	5.024	41	11376	4.476	ug/l		89
18) Methylene Chloride	5.271	84	10687	5.302	ug/l	#	83
19) trans-1,2-Dichloroethene	5.789	96	9118	4.938	ug/l	#	79
20) Diisopropyl ether	6.659	45	13210	2.368	ug/l	#	55
21) 1,1-Dichloroethane	6.571	63	17605	5.113	ug/l		95
22) cis-1,2-Dichloroethene	7.488	96	9776	4.606	ug/l		96
23) tert-Butyl Alcohol	5.518	59	6230	19.957	ug/l	#	100
24) Methyl tert-Butyl Ether	5.794	73	23064	4.159	ug/l	#	73
25) Chloroform	7.959	83	18374	5.094	ug/l		96
26) Cyclohexane	8.253	56	11013	3.885	ug/l	#	89
29) 1,1-Dichloropropene	8.371	75	11010	4.731	ug/l		97
30) 2-Butanone	7.477	43	24858	23.275	ug/l	#	97
31) 2,2-Dichloropropane	7.488	77	14990	5.023	ug/l	#	100
32) 1,1,1-Trichloroethane	8.171	97	16430	5.216	ug/l		96
33) Carbon Tetrachloride	8.359	117	14874	5.233	ug/l	#	95
34) Benzene	8.606	78	38013	5.199	ug/l	#	92
35) Methacrylonitrile	7.777	41	5355	4.455	ug/l		89
36) 1,2-Dichloroethane	8.671	62	13568	5.451	ug/l	#	93
37) Trichloroethene	9.347	130	8822	5.067	ug/l		92
38) Methylcyclohexane	9.600	83	10891	4.304	ug/l		98
39) 1,2-Dichloropropane	9.624	63	9337	5.273	ug/l		100
40) Dibromomethane	9.706	93	6598	5.194	ug/l		95
41) Bromodichloromethane	9.882	83	14332	5.278	ug/l	#	84
42) Vinyl Acetate	6.600	43	76634	20.505	ug/l	#	85

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085117.D
Acq On : 06 Dec 2024 10:02
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Dec 06 22:28:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration

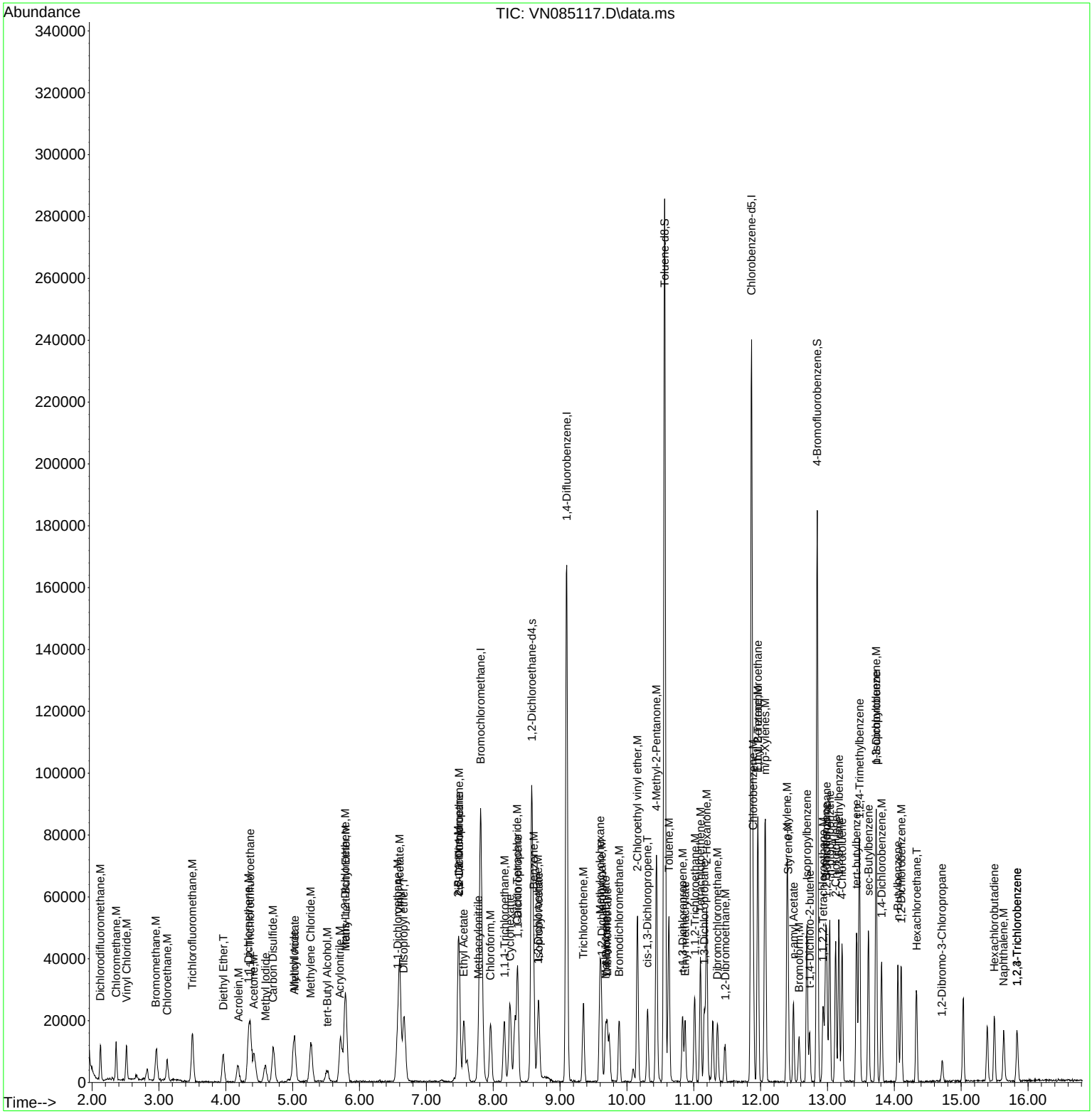
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.559	43	10470	4.927	ug/l	#	86
44) Isopropyl Acetate	8.682	43	17789	4.817	ug/l		98
45) 1,4-Dioxane	9.688	88	2638	85.662	ug/l	#	78
46) Methyl methacrylate	9.682	41	7196	4.258	ug/l		92
47) n-amyl Acetate	12.494	43	12494	4.021	ug/l		97
48) t-1,3-Dichloropropene	10.835	75	12463	4.675	ug/l		93
49) cis-1,3-Dichloropropene	10.306	75	13955	4.809	ug/l		99
50) 1,1,2-Trichloroethane	11.018	97	9292	5.429	ug/l		91
51) Ethyl methacrylate	10.871	69	10590	4.068	ug/l		88
52) 1,3-Dichloropropane	11.159	76	14378	5.019	ug/l		98
53) Dibromochloromethane	11.353	129	10942	5.246	ug/l		98
54) 1,2-Dibromoethane	11.471	107	8602	4.988	ug/l		97
55) 2-Chloroethyl vinyl ether	10.159	63	23999	19.844	ug/l		98
56) Bromoform	12.576	173	7066	5.052	ug/l		95
58) 4-Methyl-2-Pentanone	10.441	43	48868	21.990	ug/l		99
59) 2-Hexanone	11.194	43	35678	21.188	ug/l		97
61) Tetrachloroethene	11.100	164	9241	5.604	ug/l		93
62) Toluene	10.629	91	40385	5.085	ug/l		96
64) Chlorobenzene	11.888	112	24379	4.972	ug/l		97
65) 1,1,1,2-Tetrachloroethane	11.959	131	9796	5.352	ug/l		93
66) Ethyl Benzene	11.959	91	36907	4.380	ug/l		98
67) m/p-Xylenes	12.070	106	27271	8.414	ug/l		98
68) o-Xylene	12.394	106	12741	4.186	ug/l		97
69) Styrene	12.412	104	20235	3.918	ug/l		95
70) Isopropylbenzene	12.694	105	31980	4.073	ug/l		100
71) 1,1,2,2-Tetrachloroethane	12.935	83	12502	5.232	ug/l		97
72) 1,2,3-Trichloropropane	12.988	75	15909	6.740	ug/l		73
73) Bromobenzene	12.976	156	9325	4.742	ug/l		94
74) n-propylbenzene	13.035	91	39585	4.194	ug/l		100
75) 2-Chlorotoluene	13.123	91	25942	4.445	ug/l		98
76) 1,3,5-Trimethylbenzene	13.170	105	28160	4.187	ug/l		98
77) t-1,4-Dichloro-2-butene	12.735	75	3618	4.218	ug/l		96
78) 4-Chlorotoluene	13.217	91	27508	4.644	ug/l		99
79) tert-butylbenzene	13.435	119	22204	4.019	ug/l		95
80) 1,2,4-Trimethylbenzene	13.482	105	26128	3.933	ug/l		100
81) sec-Butylbenzene	13.617	105	32252	4.109	ug/l		99
82) p-Isopropyltoluene	13.729	119	24743	3.803	ug/l		99
83) 1,3-Dichlorobenzene	13.729	146	17680	4.900	ug/l		98
84) 1,4-Dichlorobenzene	13.812	146	16455	4.680	ug/l		98
85) n-Butylbenzene	14.053	91	20500	3.756	ug/l		97
86) Hexachloroethane	14.335	117	6189	4.778	ug/l		84
87) 1,2-Dichlorobenzene	14.106	146	16856	4.950	ug/l		94
88) 1,2-Dibromo-3-Chloropr...	14.711	75	2146	4.495	ug/l		93
89) 1,2,4-Trichlorobenzene	15.835	180	6347	3.806	ug/l		91
90) Hexachlorobutadiene	15.494	225	4673	5.392	ug/l		93
91) Naphthalene	15.635	128	15972	3.083	ug/l	#	95
92) 1,2,3-Trichlorobenzene	15.835	180	6347	3.806	ug/l		91

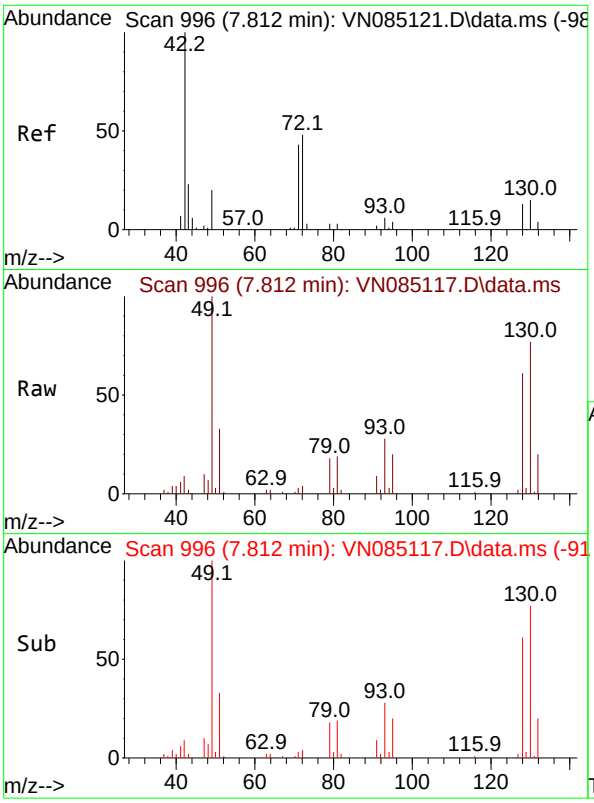
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085117.D
Acq On : 06 Dec 2024 10:02
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Dec 06 22:28:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration



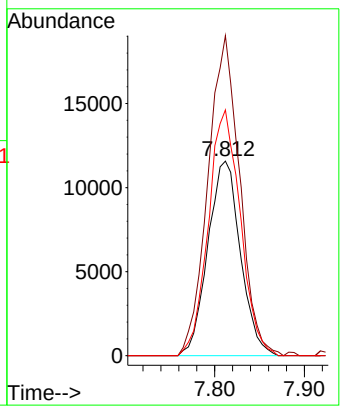


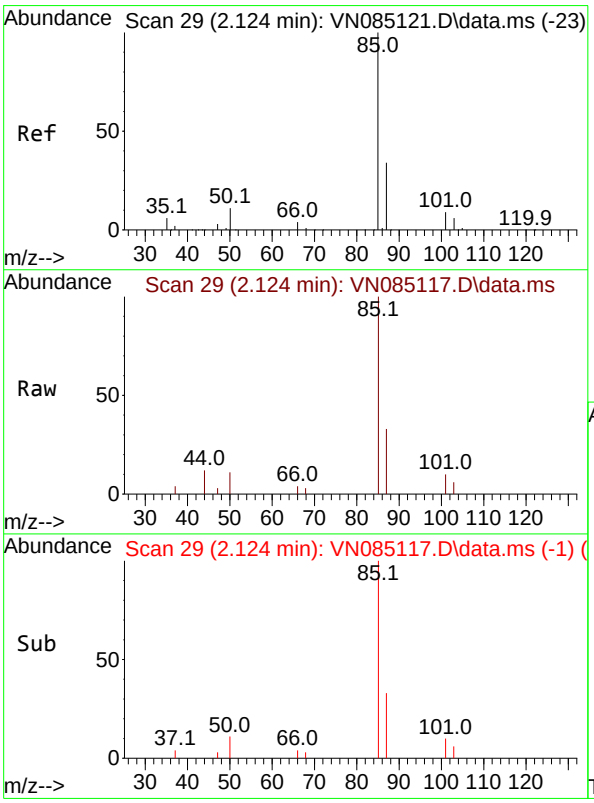
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 29169

Ion	Ratio	Lower	Upper
128	100		
49	160.4	0.0	394.5
130	124.3	0.0	316.5

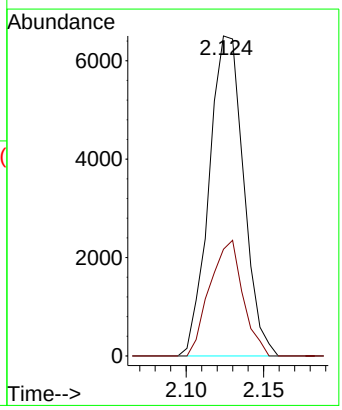


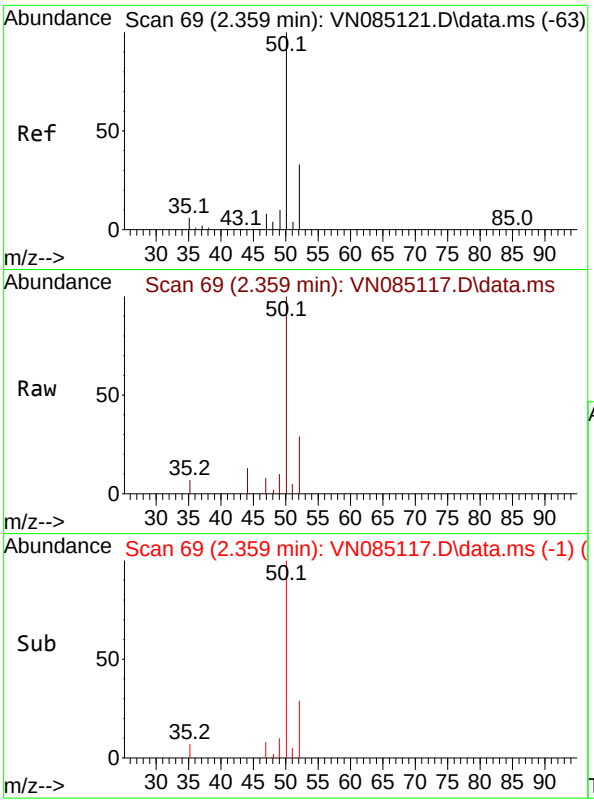


#2
Dichlorodifluoromethane
Concen: 4.316 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 85 Resp: 10073

Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.8	50.3



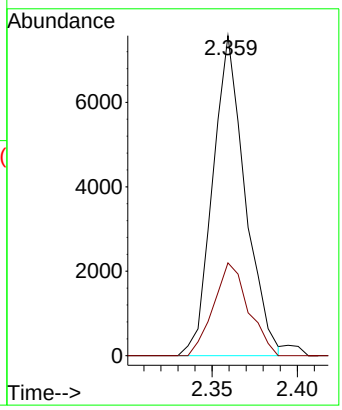


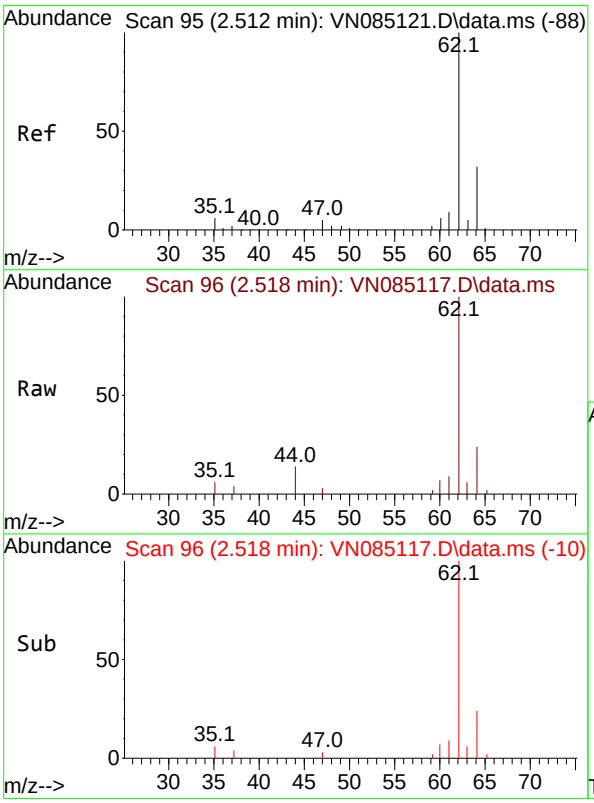
#3
Chloromethane
Concen: 4.843 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 10004

Ion	Ratio	Lower	Upper
50	100		
52	29.0	25.0	37.4

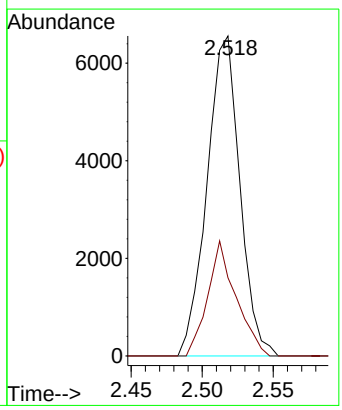


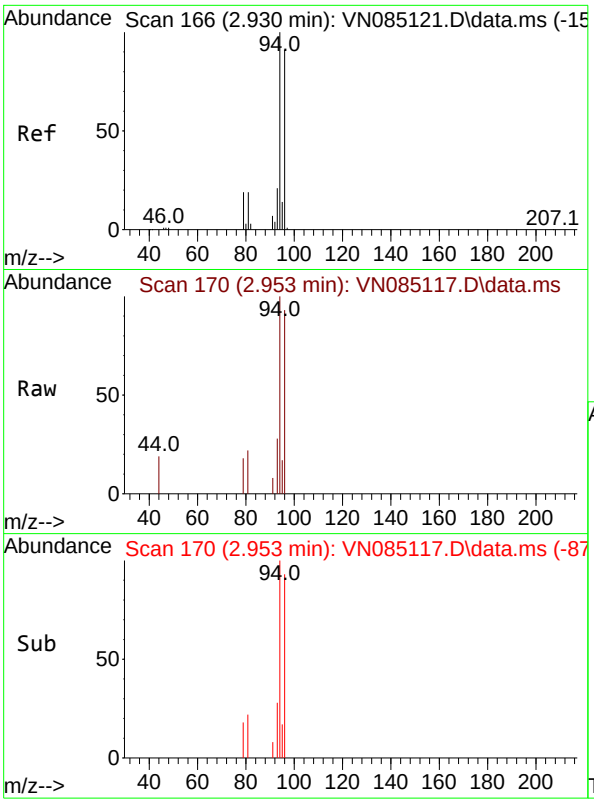


#4
Vinyl Chloride
Concen: 4.995 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 62 Resp: 10554

Ion	Ratio	Lower	Upper
62	100		
64	24.5	24.9	37.3#



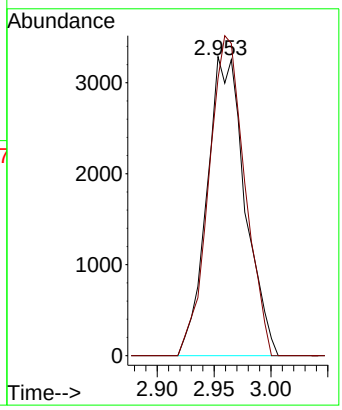


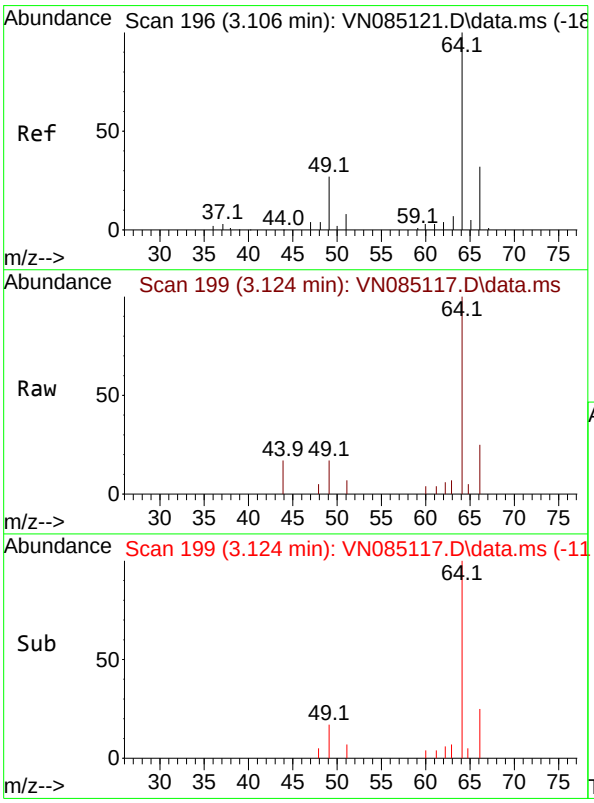
#5
Bromomethane
Concen: 5.718 ug/l
RT: 2.953 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 7670

Ion	Ratio	Lower	Upper
94	100		
96	92.8	76.2	114.4

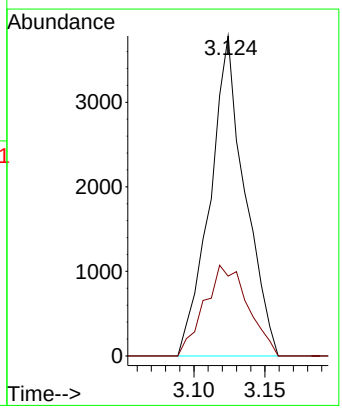


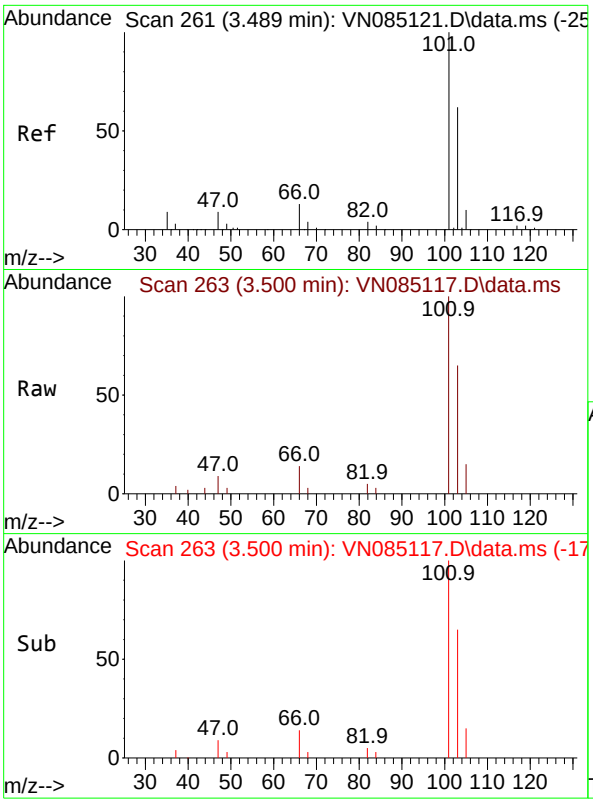


#6
Chloroethane
Concen: 4.986 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 64 Resp: 6472

Ion	Ratio	Lower	Upper
64	100		
66	24.9	25.5	38.3#



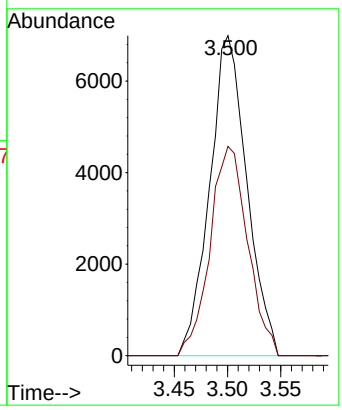


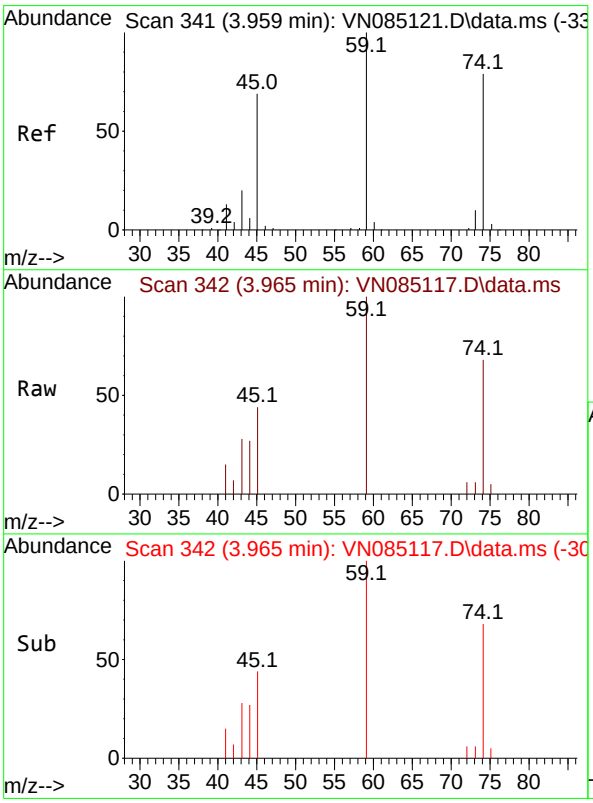
#7
Trichlorofluoromethane
Concen: 4.913 ug/l
RT: 3.500 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 16991

Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.3	76.9

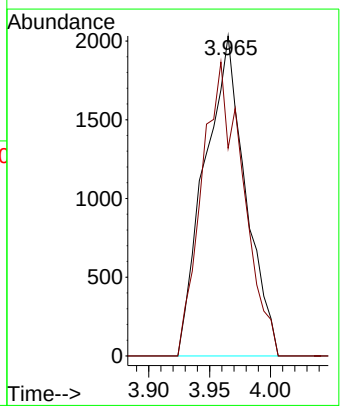


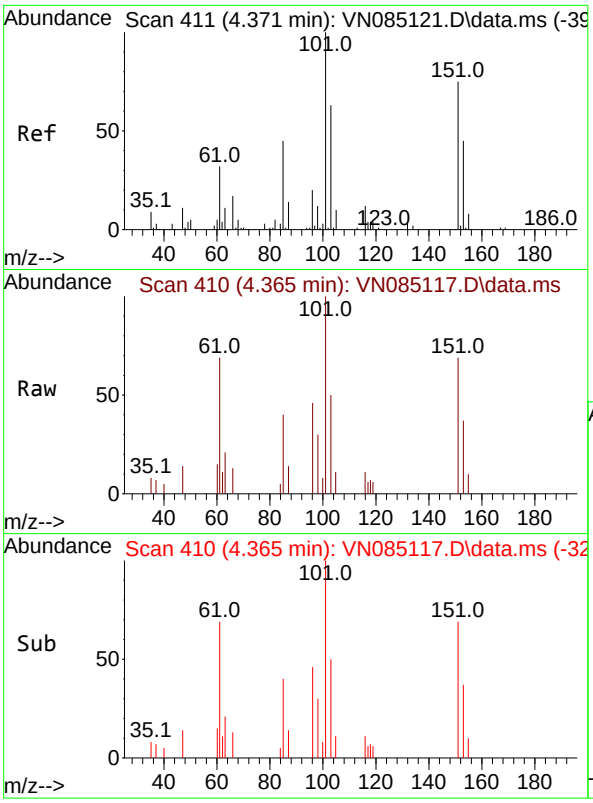


#8
Diethyl Ether
Concen: 4.317 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 74 Resp: 4729

Ion	Ratio	Lower	Upper
74	100		
45	92.9	18.6	167.8



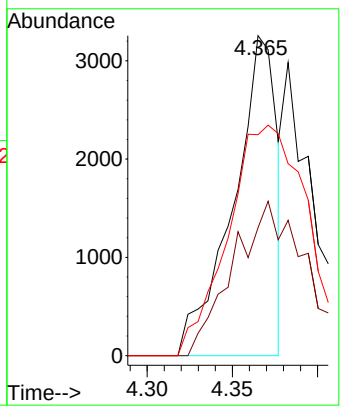


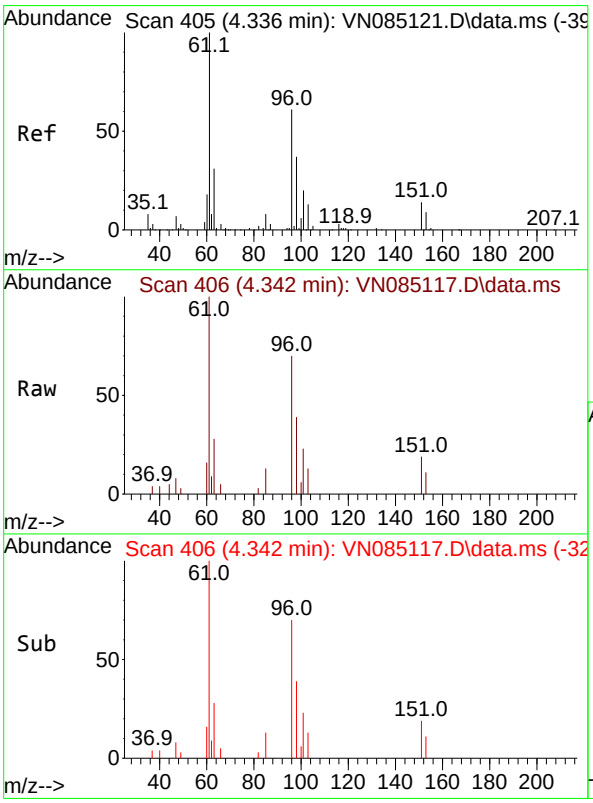
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.995 ug/l
RT: 4.365 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 5792

Ion	Ratio	Lower	Upper
101	100		
85	52.5	0.0	88.6
151	130.4	0.0	155.8

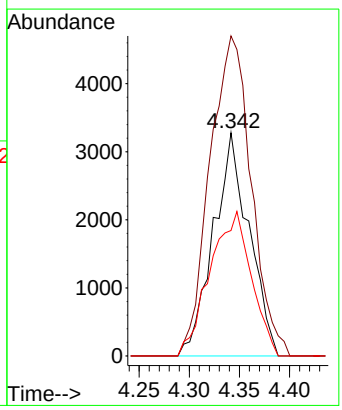


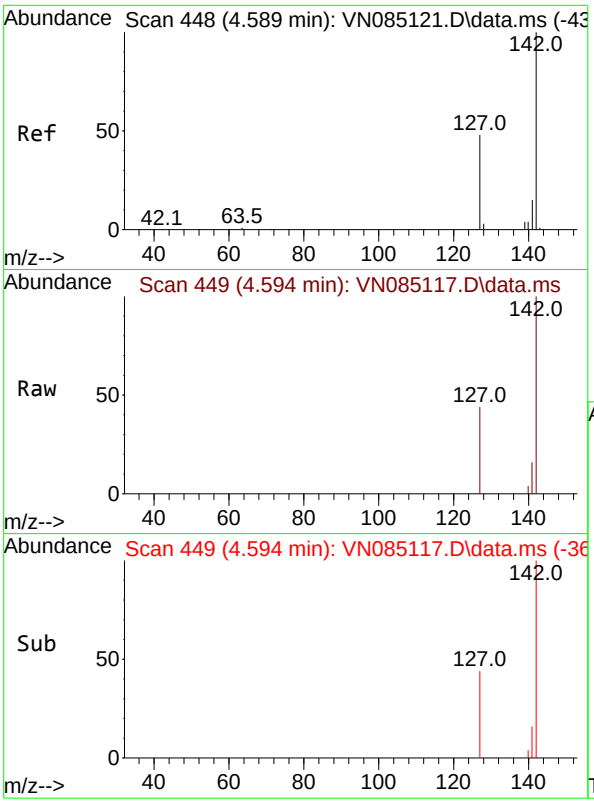


#10
1,1-Dichloroethene
Concen: 4.567 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 96 Resp: 8113

Ion	Ratio	Lower	Upper
96	100		
61	143.4	123.0	184.4
98	56.2	49.1	73.7



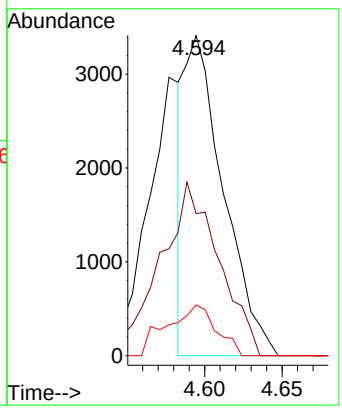


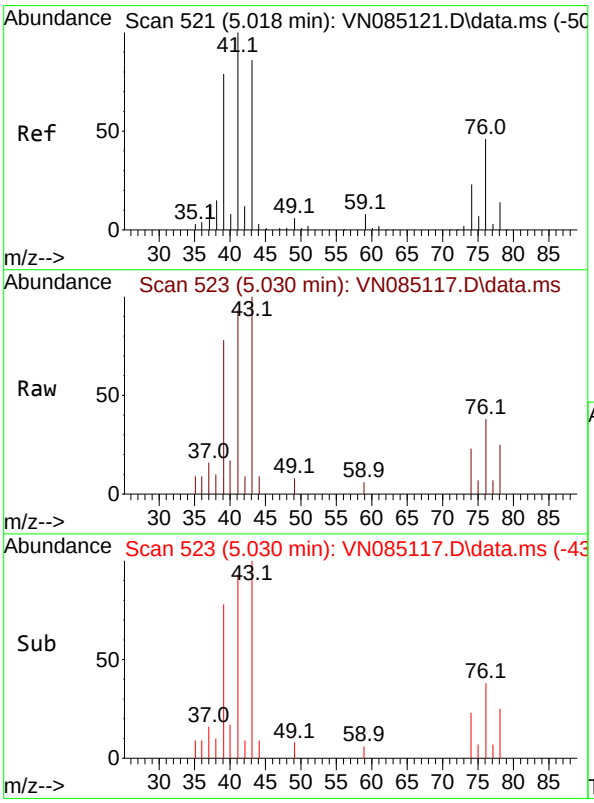
#11
Methyl Iodide
Concen: 2.408 ug/l
RT: 4.594 min Scan# 44
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:142 Resp: 5932

Ion	Ratio	Lower	Upper
142	100		
127	44.0	22.5	67.5
141	18.6	8.3	24.9

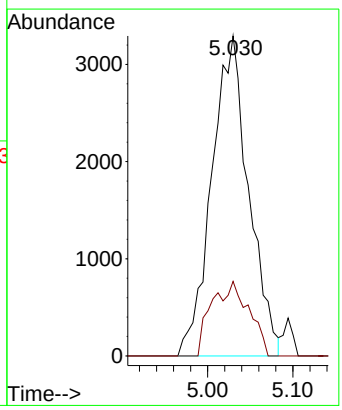


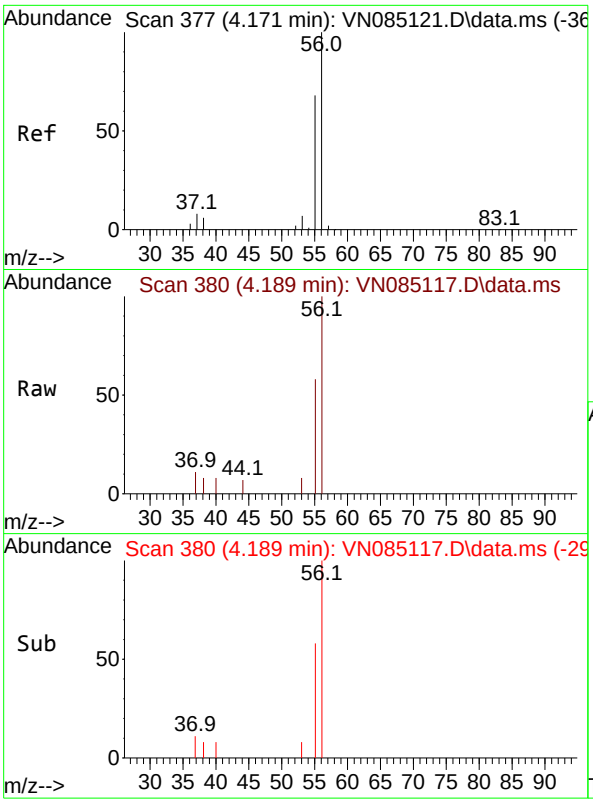


#12
Methyl Acetate
Concen: 4.734 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 43 Resp: 9920

Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.8	29.6



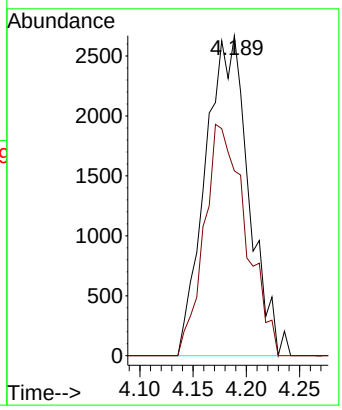


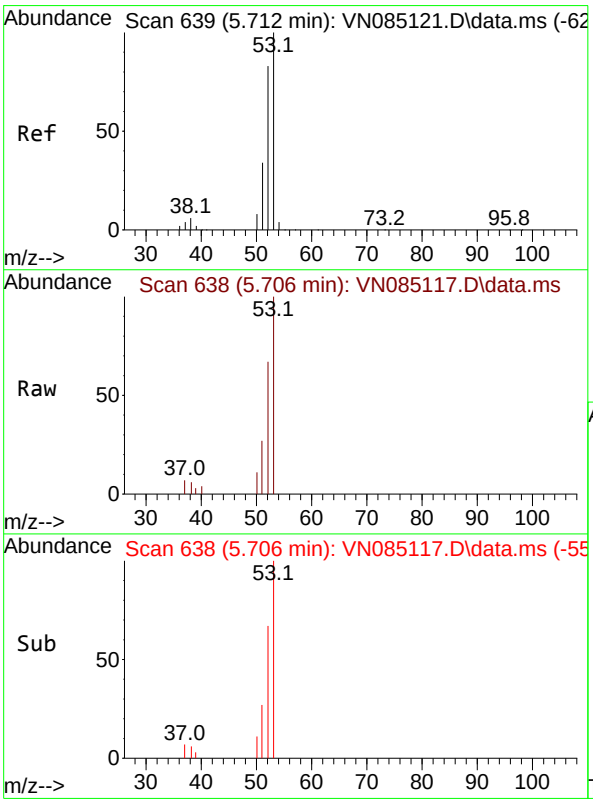
#13
Acrolein
Concen: 24.630 ug/l
RT: 4.189 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 7501

Ion	Ratio	Lower	Upper
56	100		
55	63.5	59.4	89.0

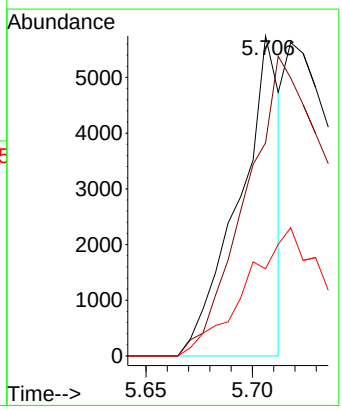


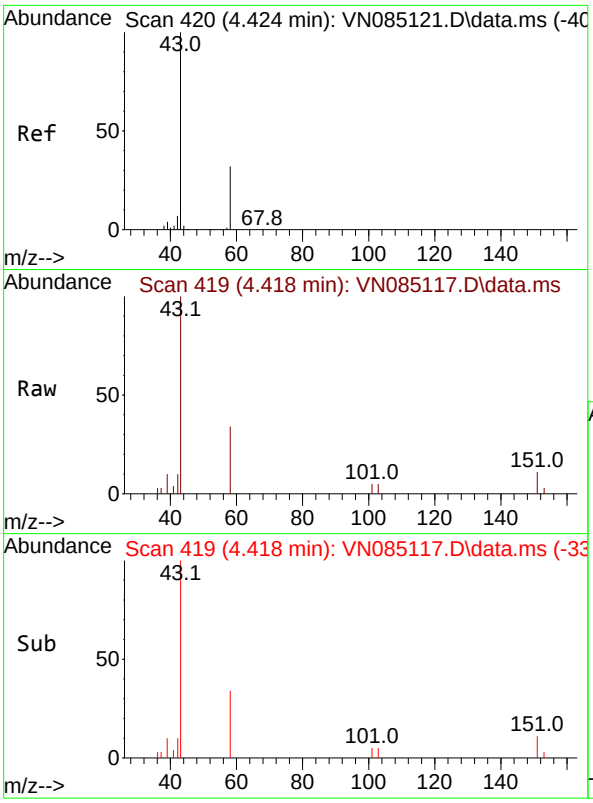


#14
Acrylonitrile
Concen: 8.875 ug/l
RT: 5.706 min Scan# 638
Delta R.T. -0.012 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 53 Resp: 7723

Ion	Ratio	Lower	Upper
53	100		
52	210.1	42.9	128.5#
51	85.9	17.2	51.5#



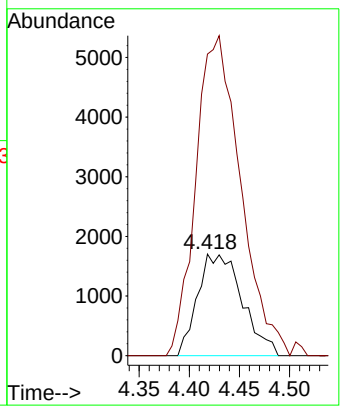


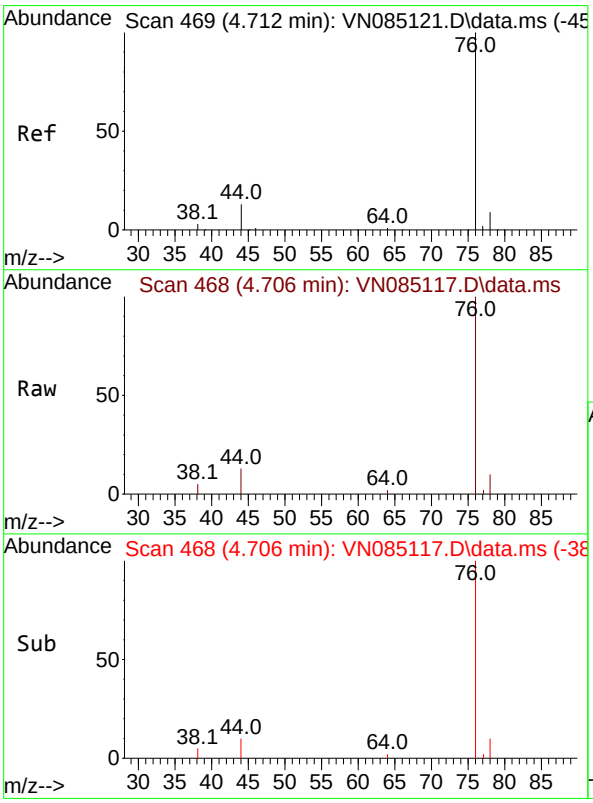
#15
Acetone
Concen: 22.365 ug/l
RT: 4.418 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 58 Resp: 5274

Ion	Ratio	Lower	Upper
58	100		
43	274.0	242.3	363.5

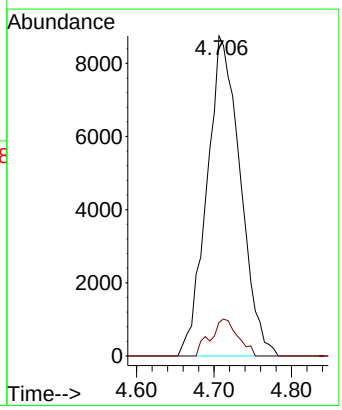


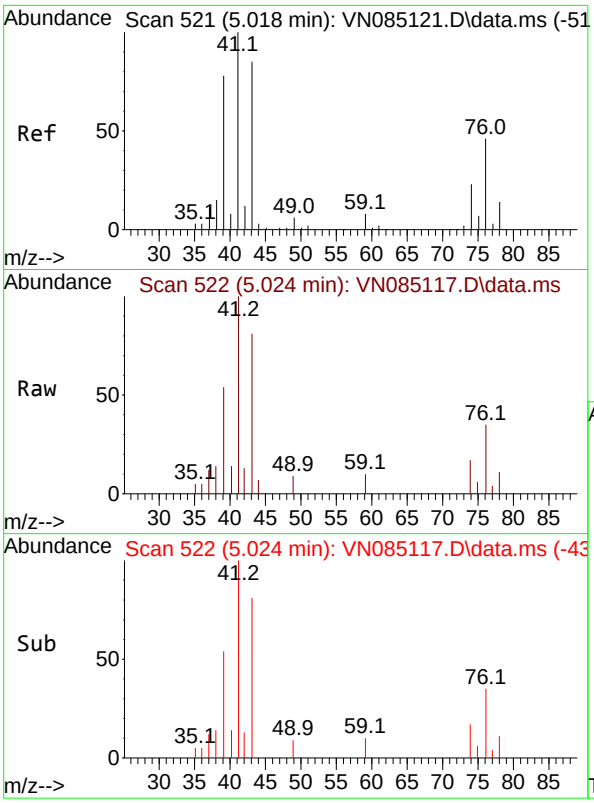


#16
Carbon Disulfide
Concen: 4.923 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 76 Resp: 26140

Ion	Ratio	Lower	Upper
76	100		
78	10.5	7.1	10.7



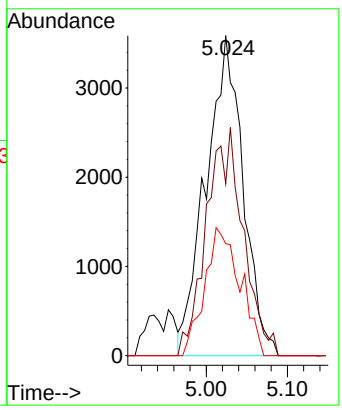


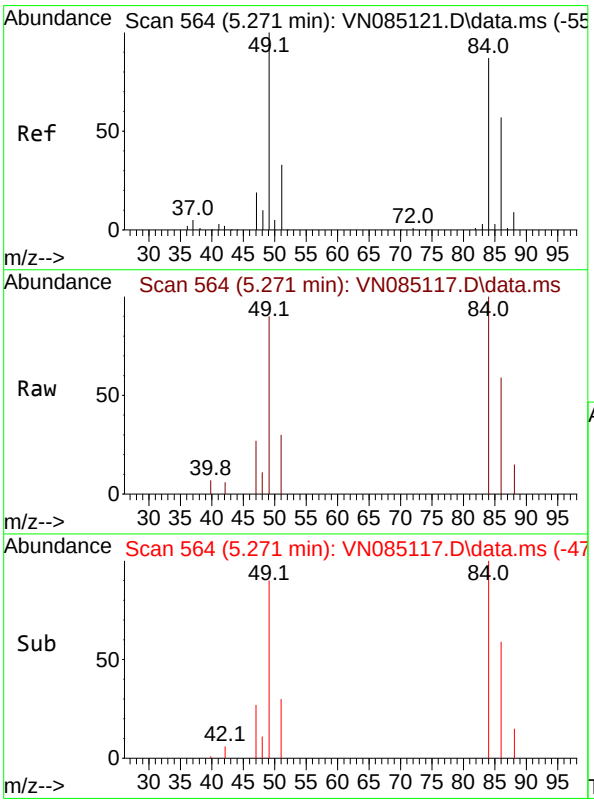
#17
Allyl chloride
Concen: 4.476 ug/l
RT: 5.024 min Scan# 5
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 11376

Ion	Ratio	Lower	Upper
41	100		
39	53.7	32.0	96.2
76	35.0	20.2	60.5

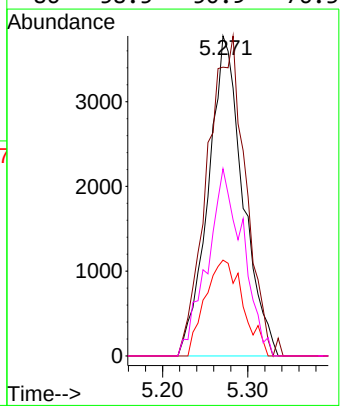


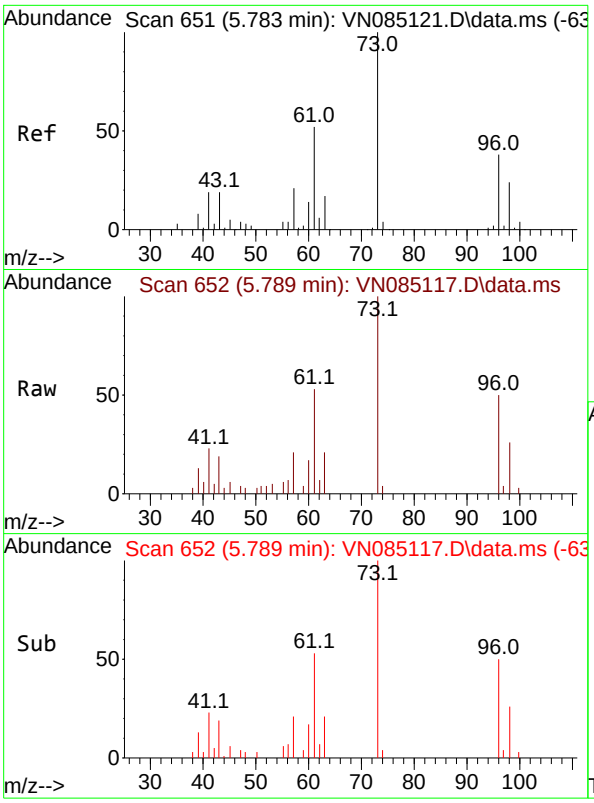


#18
Methylene Chloride
Concen: 5.302 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 84 Resp: 10687

Ion	Ratio	Lower	Upper
84	100		
49	90.3	95.1	142.7#
51	30.0	27.4	41.0
86	58.5	50.9	76.3



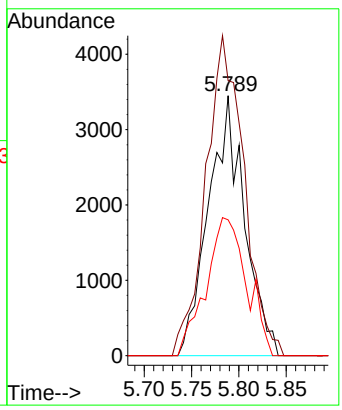


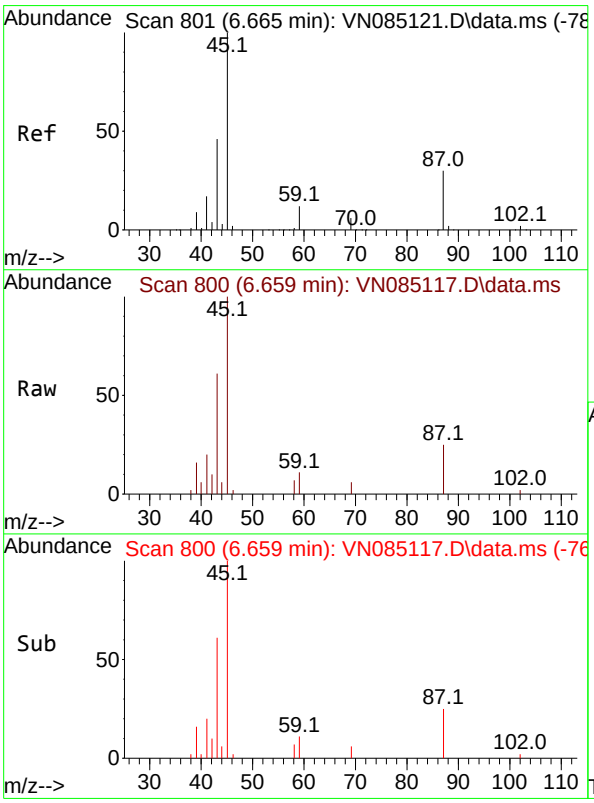
#19
trans-1,2-Dichloroethene
Concen: 4.938 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 9118

Ion	Ratio	Lower	Upper
96	100		
61	99.9	100.4	150.6#
98	52.3	52.6	79.0#

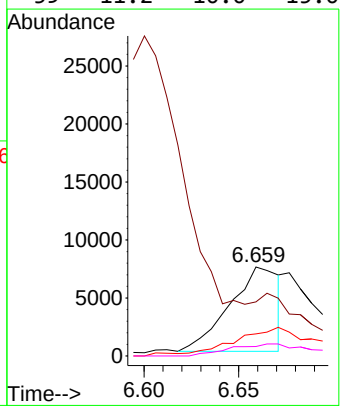


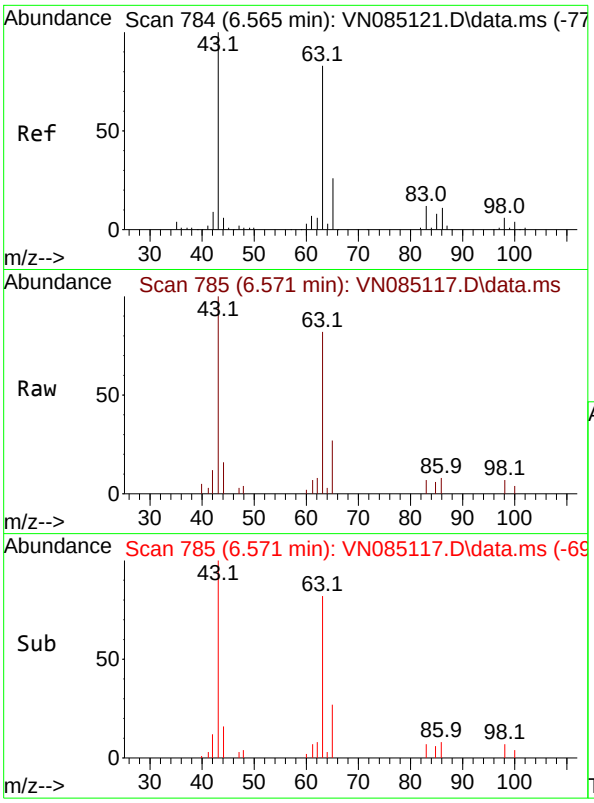


#20
Diisopropyl ether
Concen: 2.368 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 45 Resp: 13210

Ion	Ratio	Lower	Upper
45	100		
43	0.0	41.9	62.9#
87	23.4	24.1	36.1#
59	11.2	10.0	15.0



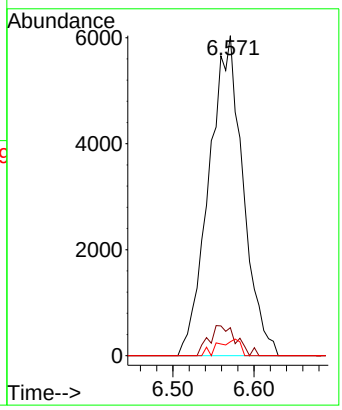


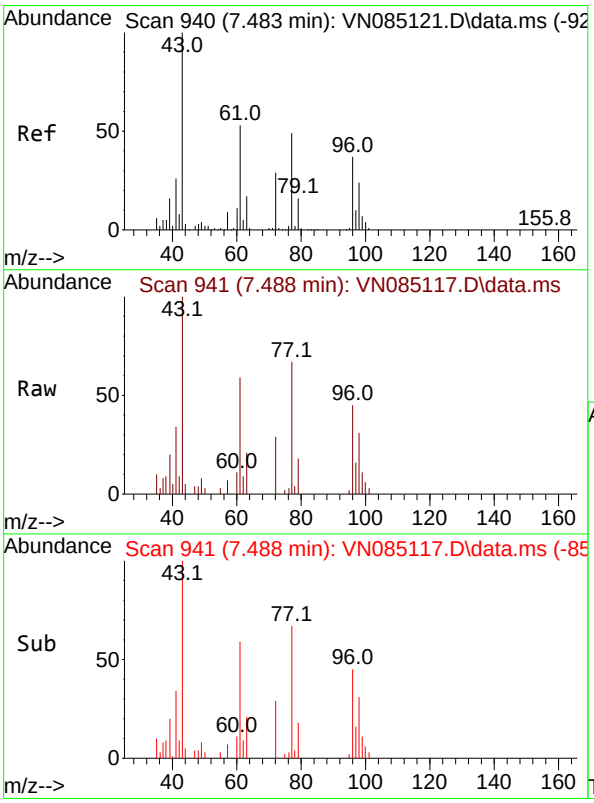
#21
1,1-Dichloroethane
Concen: 5.113 ug/l
RT: 6.571 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 17605

Ion	Ratio	Lower	Upper
63	100		
98	8.8	3.5	10.4
100	4.4	1.6	4.8

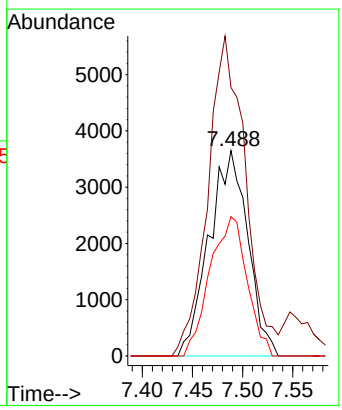


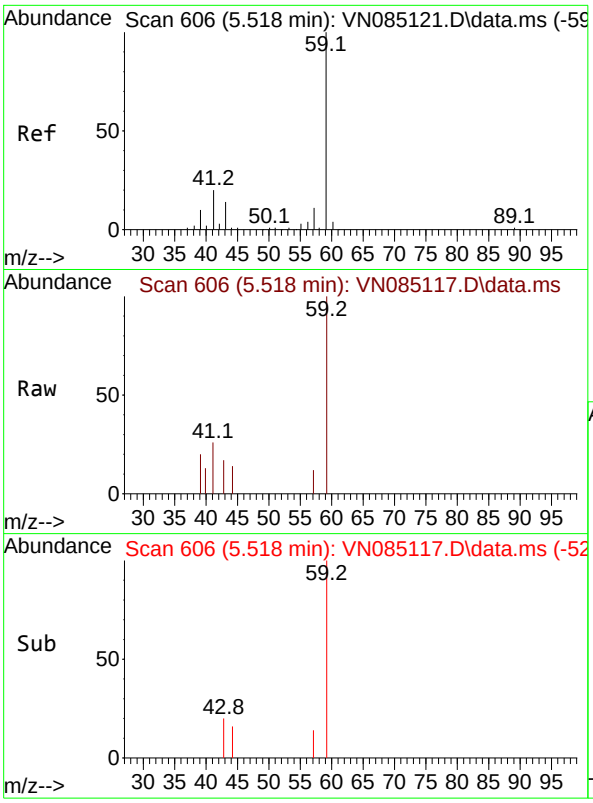


#22
cis-1,2-Dichloroethene
Concen: 4.606 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 96 Resp: 9776

Ion	Ratio	Lower	Upper
96	100		
61	151.1	115.9	173.9
98	65.0	51.8	77.8



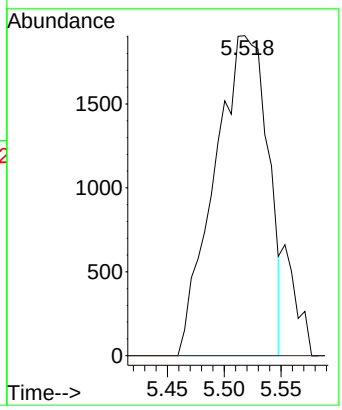


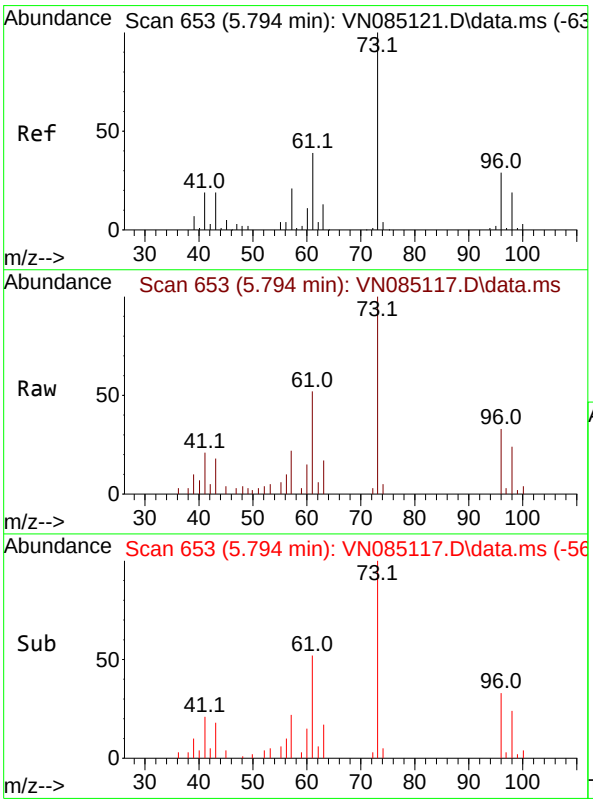
#23
tert-Butyl Alcohol
Concen: 19.957 ug/l
RT: 5.518 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 6230

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

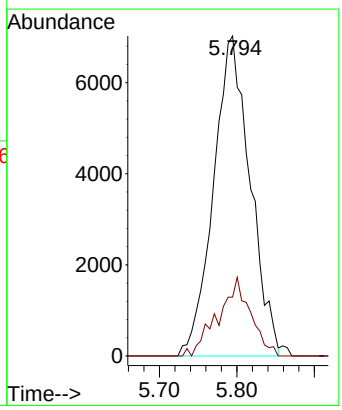


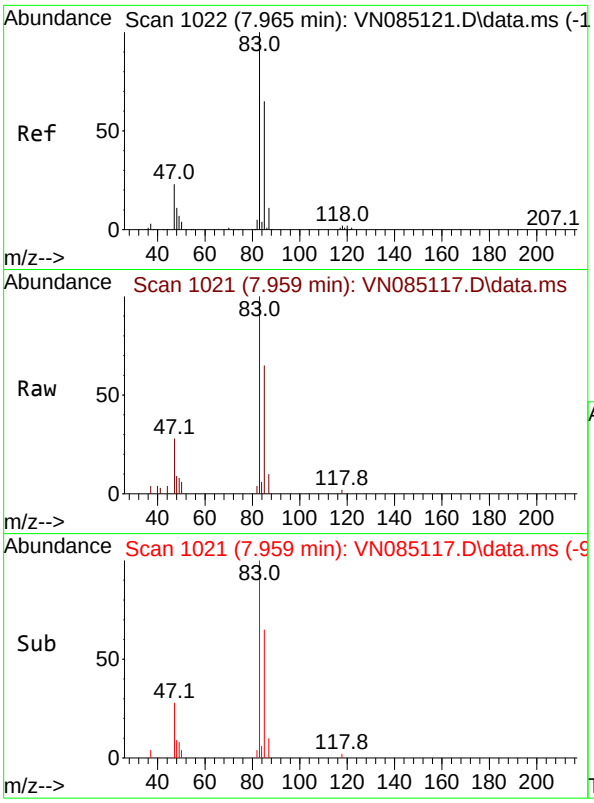


#24
Methyl tert-Butyl Ether
Concen: 4.159 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 73 Resp: 23064

Ion	Ratio	Lower	Upper
73	100		
43	21.2	8.7	13.1#



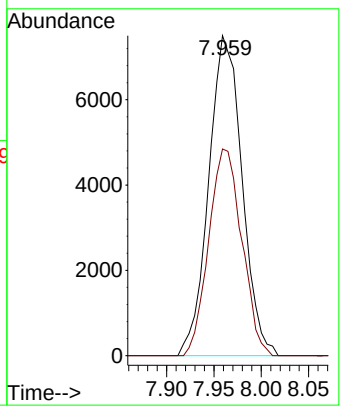


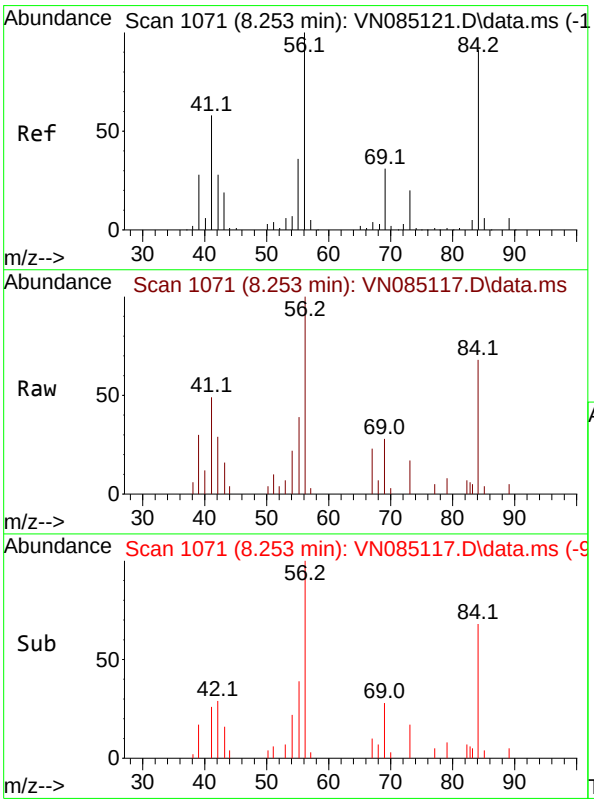
#25
Chloroform
Concen: 5.094 ug/l
RT: 7.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 18374

Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.4	74.0

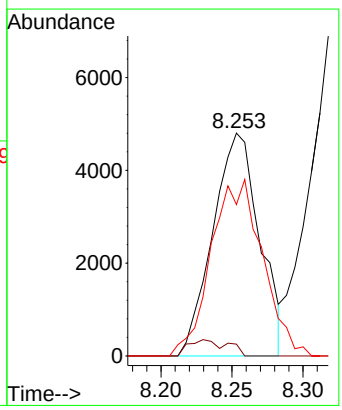


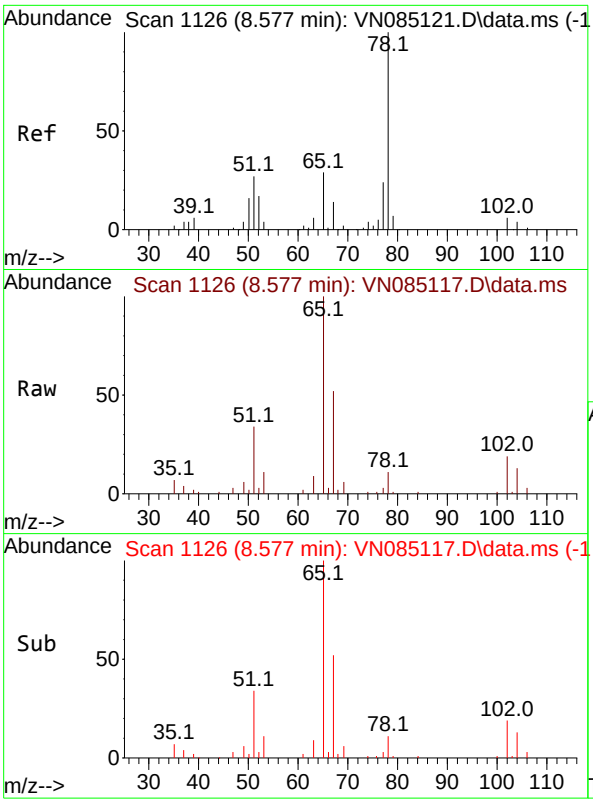


#26
Cyclohexane
Concen: 3.885 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 56 Resp: 11013

Ion	Ratio	Lower	Upper
56	100		
89	1.7	19.5	29.3#
84	86.7	70.6	105.8



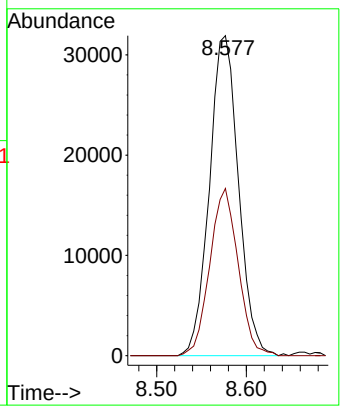


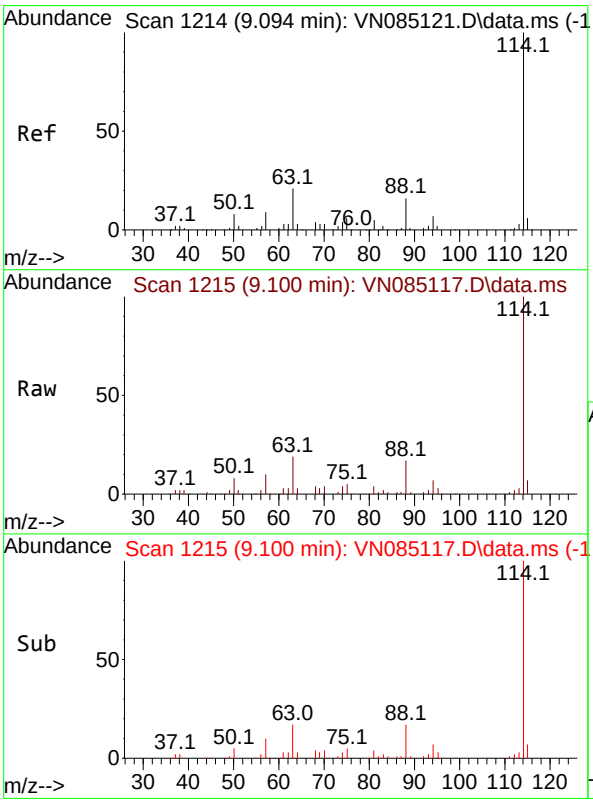
#27
1,2-Dichloroethane-d4
Concen: 31.025 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 71806

Ion	Ratio	Lower	Upper
65	100		
67	51.0	39.9	59.9

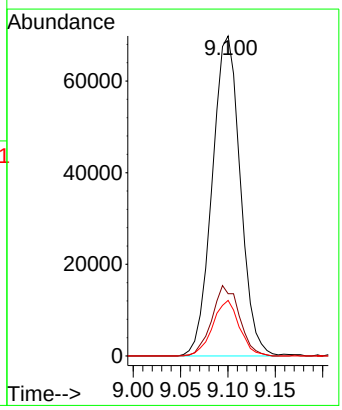


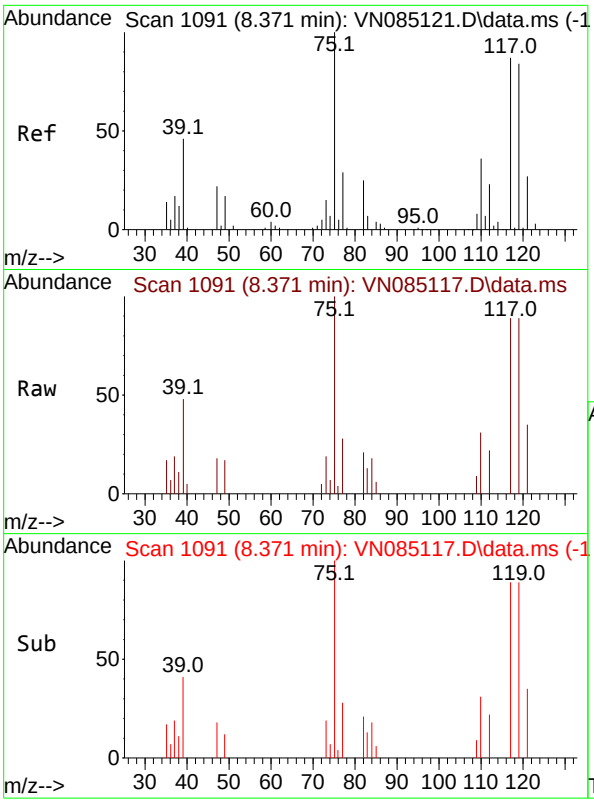


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:114 Resp: 144230

Ion	Ratio	Lower	Upper
114	100		
63	21.5	16.2	24.2
88	16.5	12.5	18.7



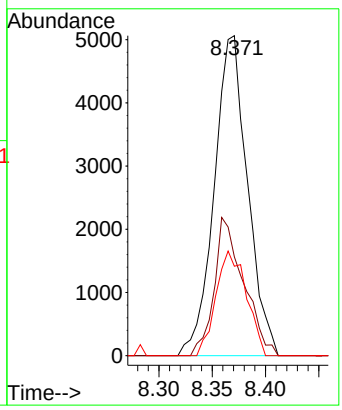


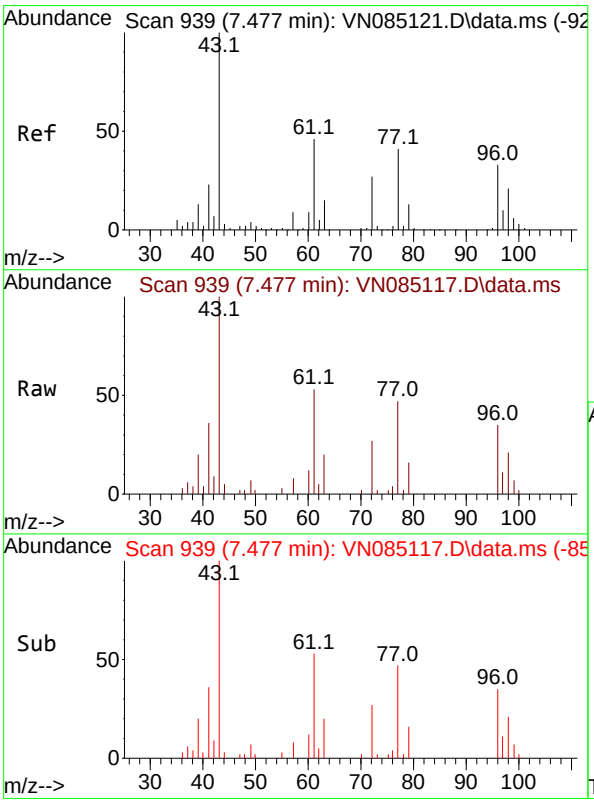
#29
1,1-Dichloropropene
Concen: 4.731 ug/l
RT: 8.371 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 11010

Ion	Ratio	Lower	Upper
75	100		
110	38.1	0.0	71.6
77	29.9	0.0	62.2

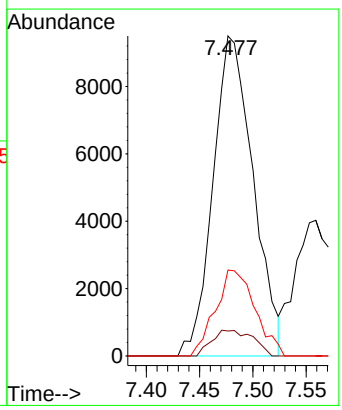


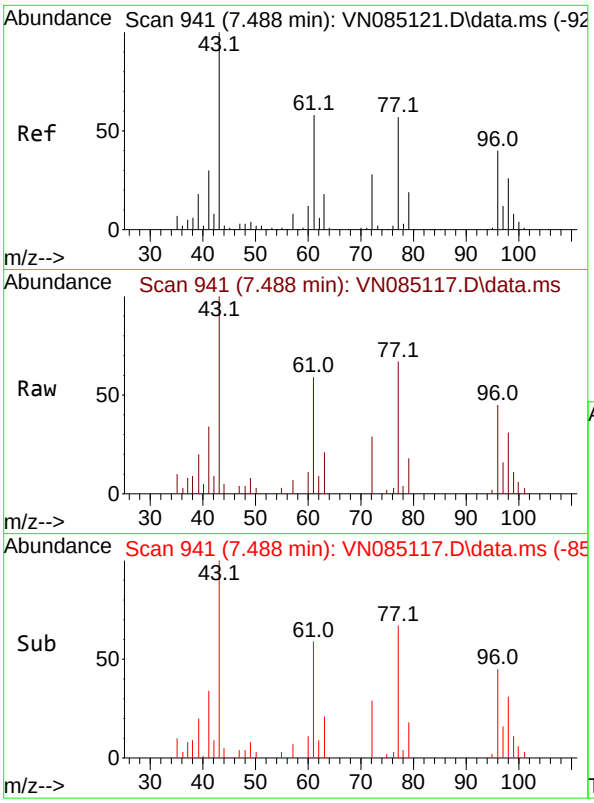


#30
2-Butanone
Concen: 23.275 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 43 Resp: 24858

Ion	Ratio	Lower	Upper
43	100		
57	5.7	6.9	10.3#
72	26.5	21.8	32.8



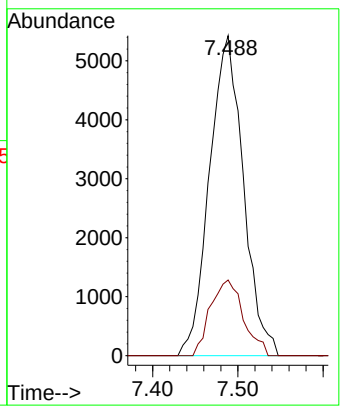


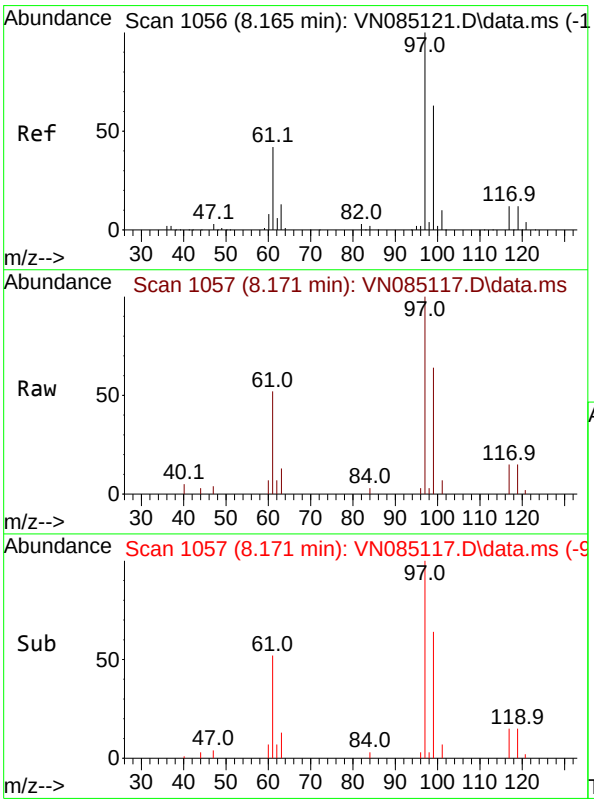
#31
2,2-Dichloropropane
Concen: 5.023 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 77 Resp: 14990

Ion	Ratio	Lower	Upper
77	100		
97	23.0	0.0	0.0#

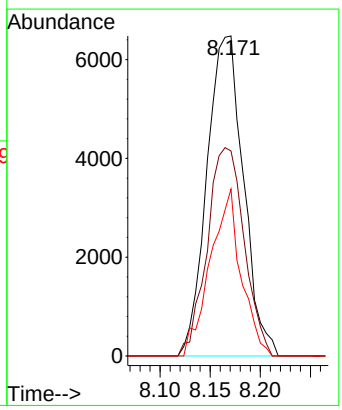


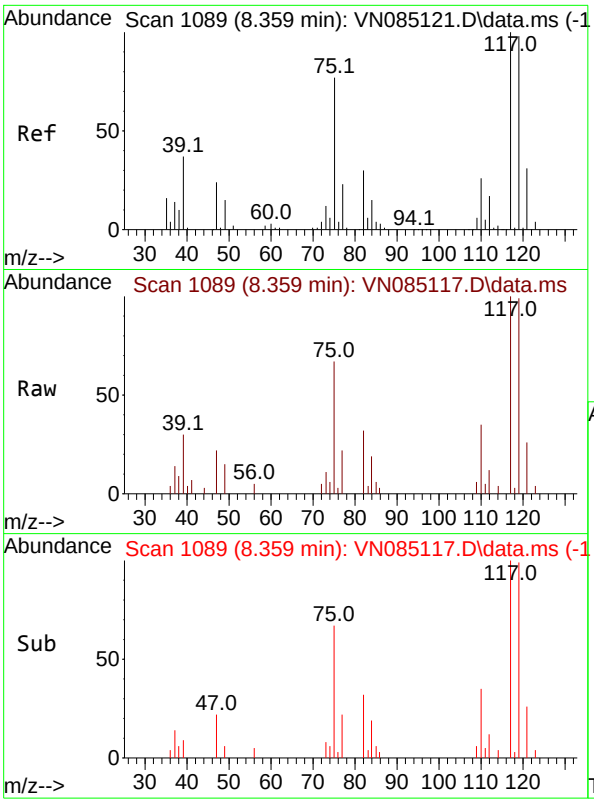


#32
1,1,1-Trichloroethane
Concen: 5.216 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 97 Resp: 16430

Ion	Ratio	Lower	Upper
97	100		
99	66.0	50.8	76.2
61	44.0	32.7	49.1



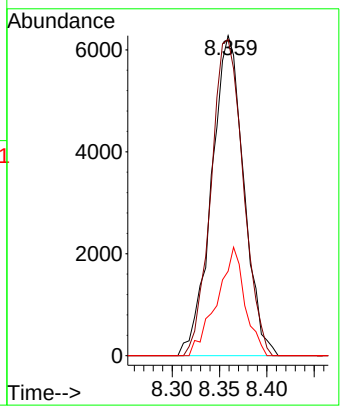


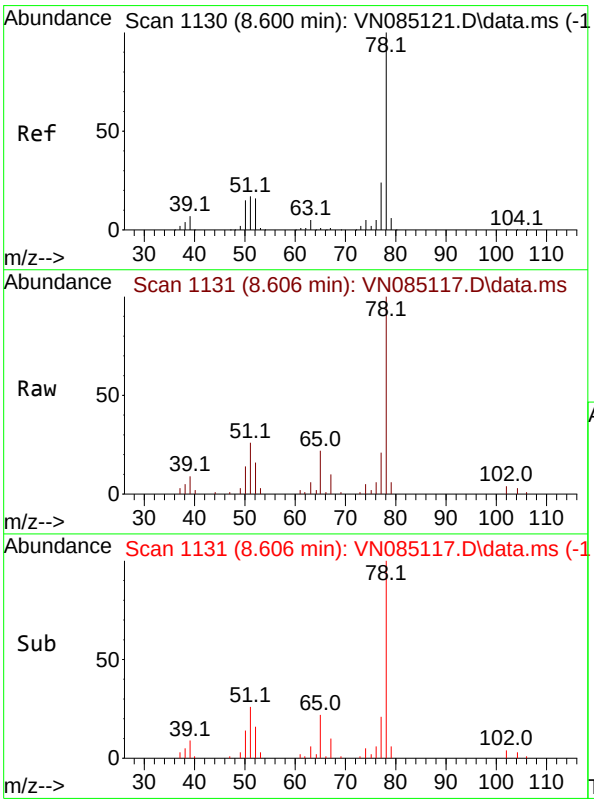
#33
Carbon Tetrachloride
Concen: 5.233 ug/l
RT: 8.359 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 14874

Ion	Ratio	Lower	Upper
117	100		
119	98.9	81.6	122.4
121	26.4	26.5	39.7#

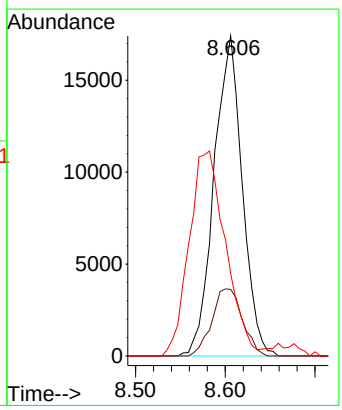


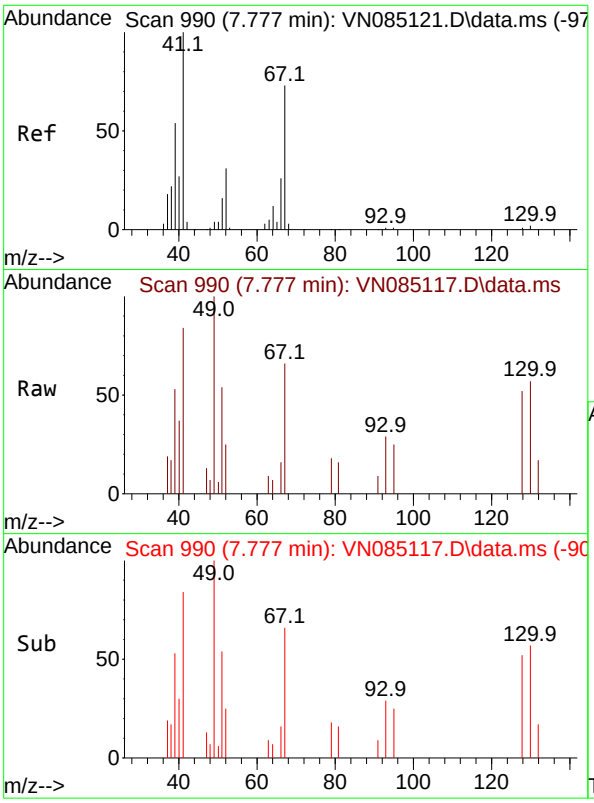


#34
Benzene
Concen: 5.199 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 78 Resp: 38013

Ion	Ratio	Lower	Upper
78	100		
77	20.8	18.0	27.0
51	21.8	12.4	18.6#



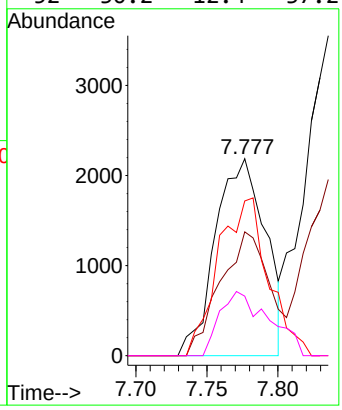


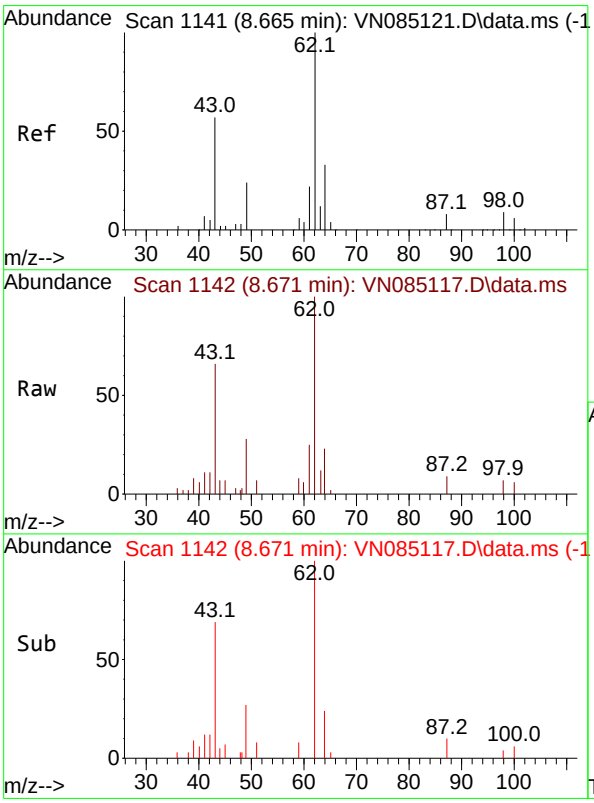
#35
Methacrylonitrile
Concen: 4.455 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 5355

Ion	Ratio	Lower	Upper
41	100		
39	62.8	24.4	73.2
67	78.5	37.0	110.9
52	30.2	12.4	37.2

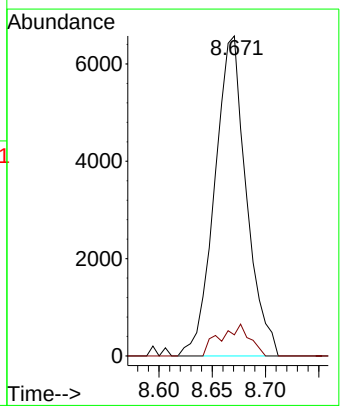


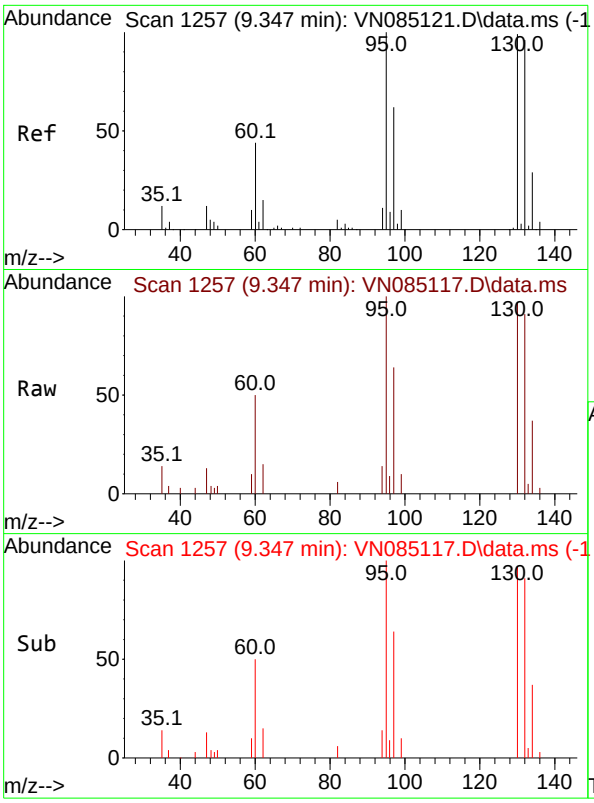


#36
1,2-Dichloroethane
Concen: 5.451 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 62 Resp: 13568

Ion	Ratio	Lower	Upper
62	100		
98	6.4	7.3	10.9#



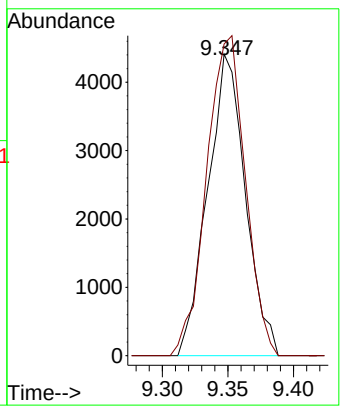


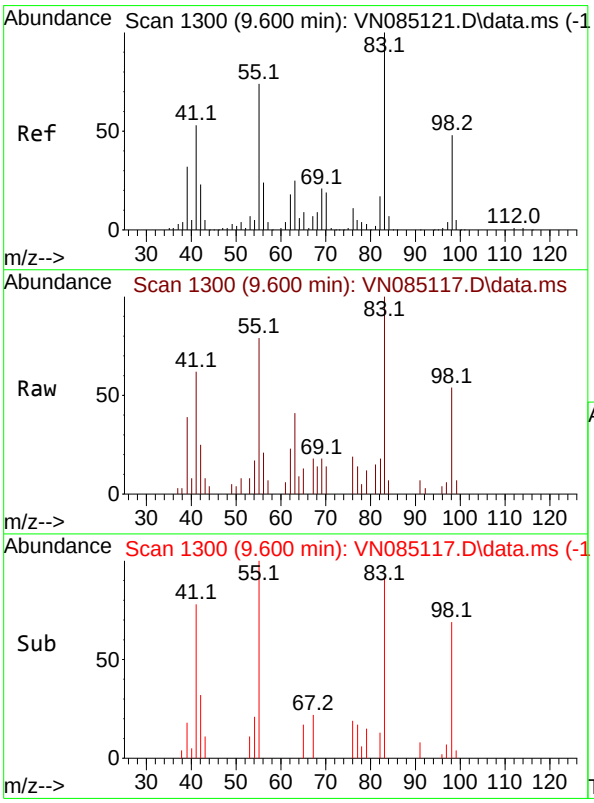
#37
Trichloroethene
Concen: 5.067 ug/l
RT: 9.347 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:130 Resp: 8822

Ion	Ratio	Lower	Upper
130	100		
95	103.3	76.2	114.4

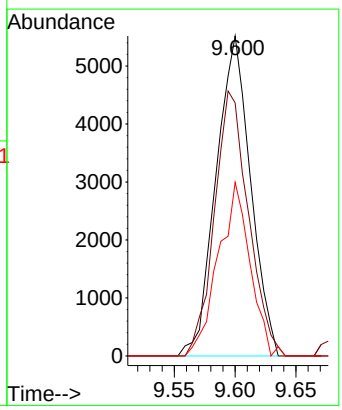


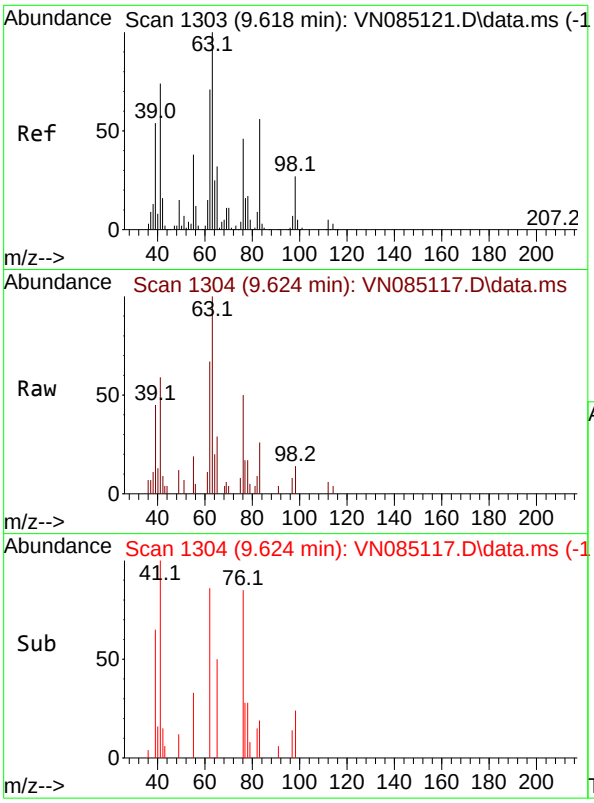


#38
Methylcyclohexane
Concen: 4.304 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 83 Resp: 10891

Ion	Ratio	Lower	Upper
83	100		
55	81.5	41.4	124.4
98	49.3	25.7	77.1



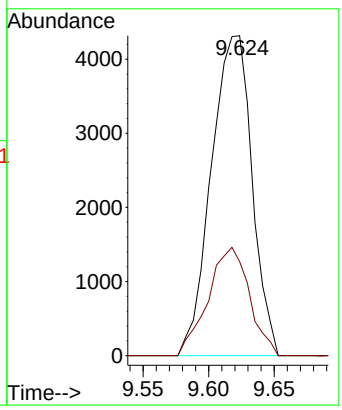


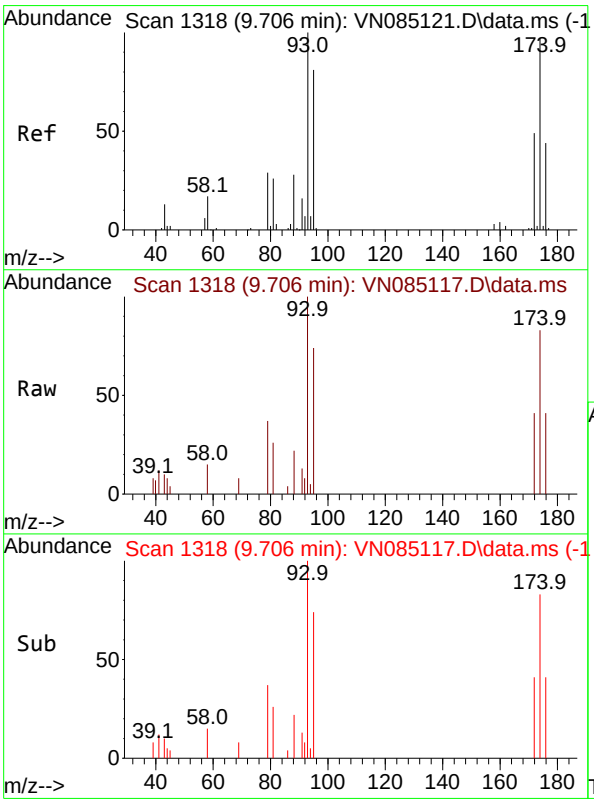
#39
1,2-Dichloropropane
Concen: 5.273 ug/l
RT: 9.624 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 9337

Ion	Ratio	Lower	Upper
63	100		
65	29.4	23.4	35.0

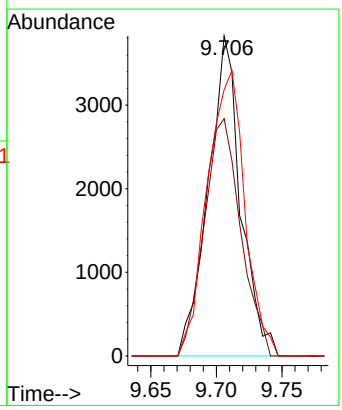


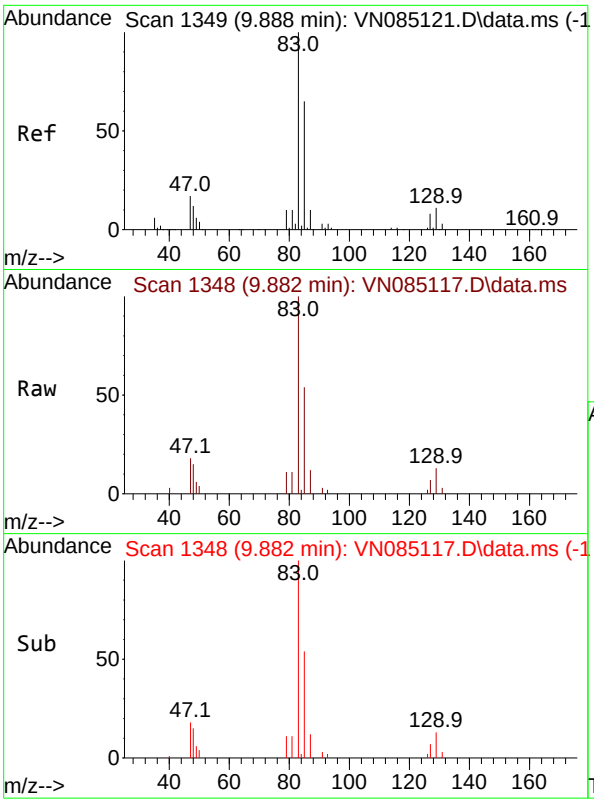


#40
Dibromomethane
Concen: 5.194 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 93 Resp: 6598

Ion	Ratio	Lower	Upper
93	100		
95	83.4	0.0	169.4
174	103.1	0.0	189.8



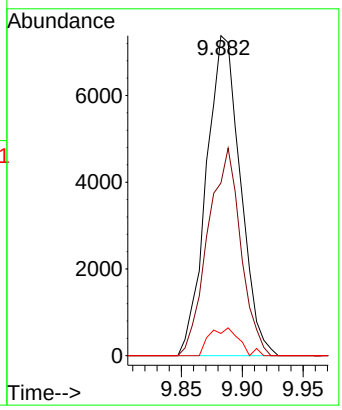


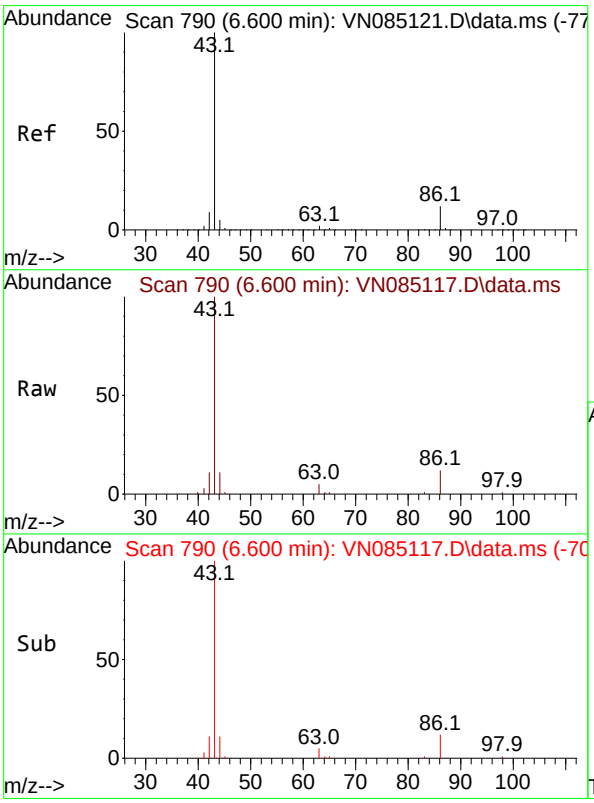
#41
Bromodichloromethane
Concen: 5.278 ug/l
RT: 9.882 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 14332

Ion	Ratio	Lower	Upper
83	100		
85	54.0	54.6	81.8#
127	7.0	7.0	10.6#

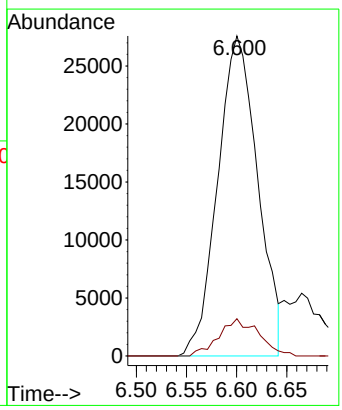


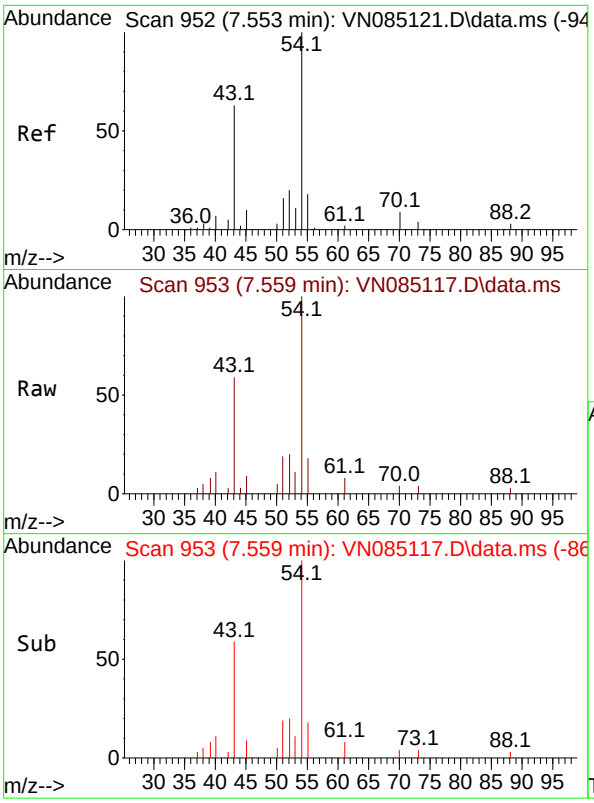


#42
Vinyl Acetate
Concen: 20.505 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 43 Resp: 76634

Ion	Ratio	Lower	Upper
43	100		
86	5.7	9.2	13.8#



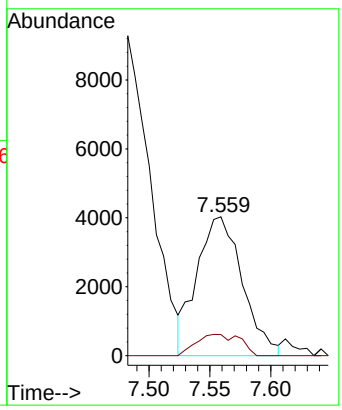


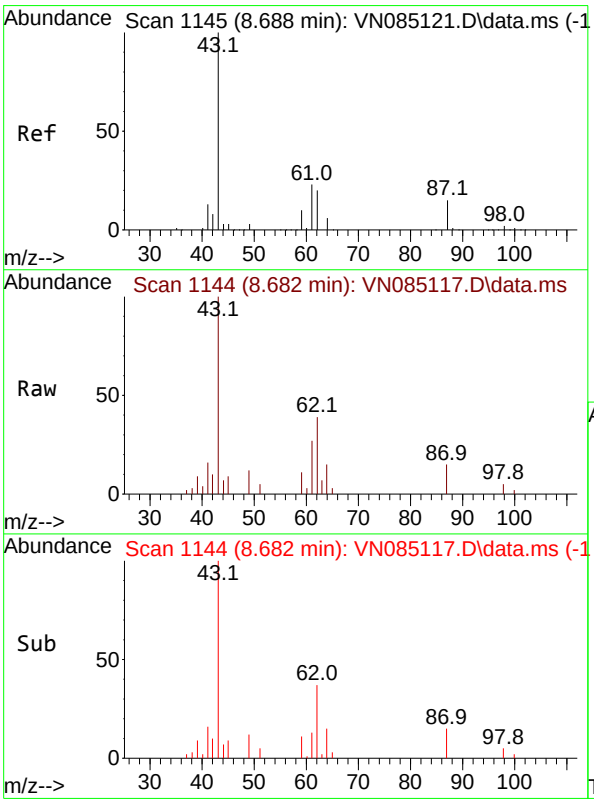
#43
Ethyl Acetate
Concen: 4.927 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 10470

Ion	Ratio	Lower	Upper
43	100		
45	10.6	13.3	19.9#

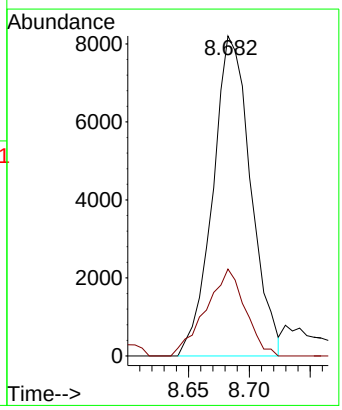


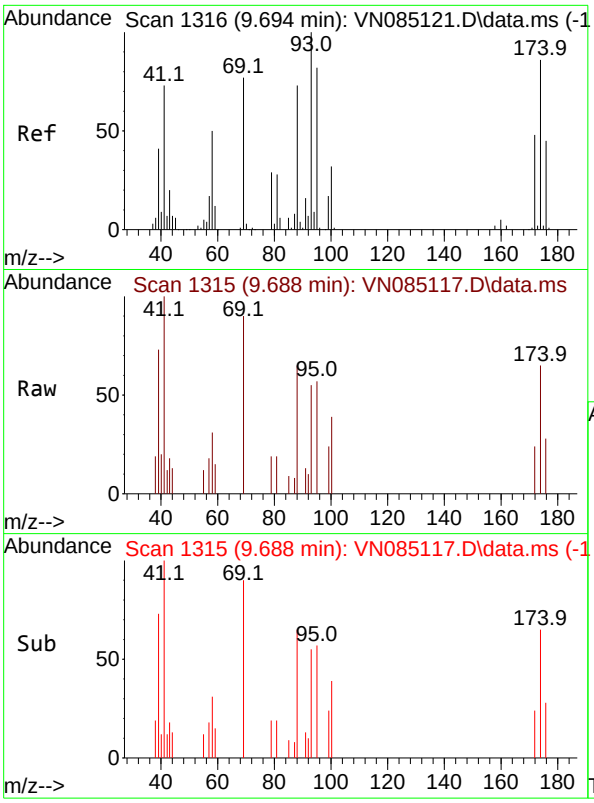


#44
Isopropyl Acetate
Concen: 4.817 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 43 Resp: 17789

Ion	Ratio	Lower	Upper
43	100		
61	28.1	21.5	32.3



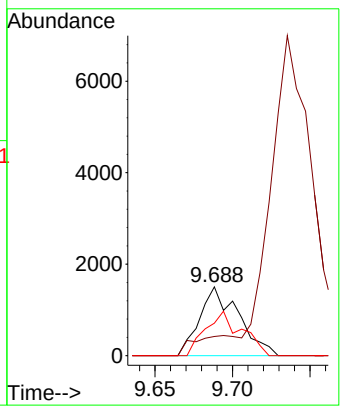


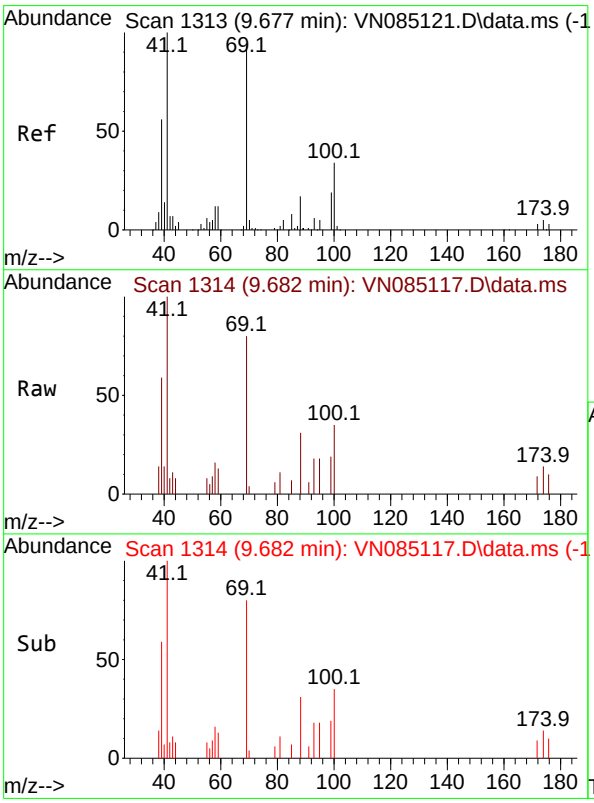
#45
1,4-Dioxane
Concen: 85.662 ug/l
RT: 9.688 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 2638

Ion	Ratio	Lower	Upper
88	100		
43	24.8	21.7	32.5
58	42.1	52.6	79.0#

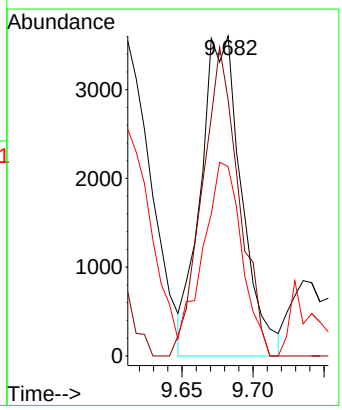


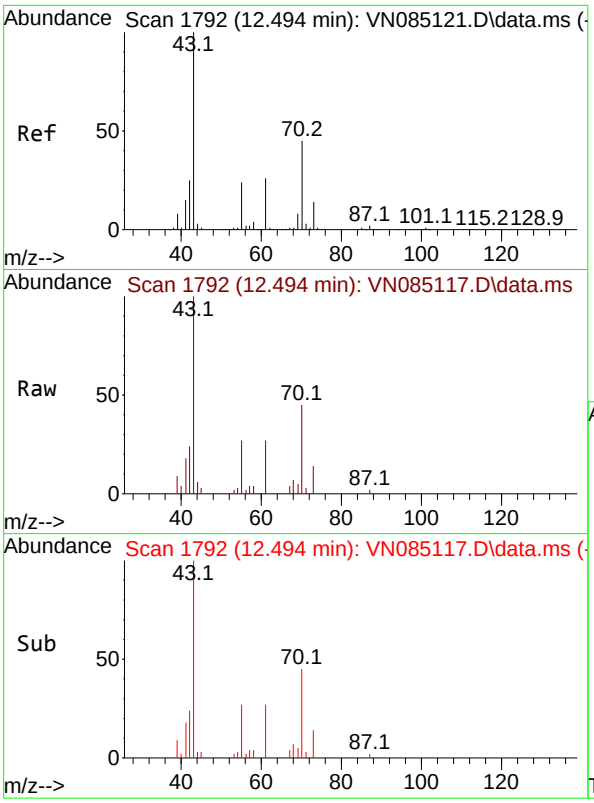


#46
Methyl methacrylate
Concen: 4.258 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 41 Resp: 7196

Ion	Ratio	Lower	Upper
41	100		
69	86.1	46.7	140.0
39	63.6	28.5	85.5



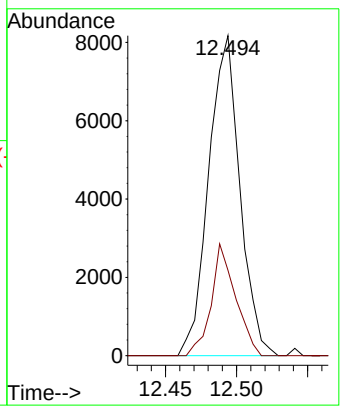


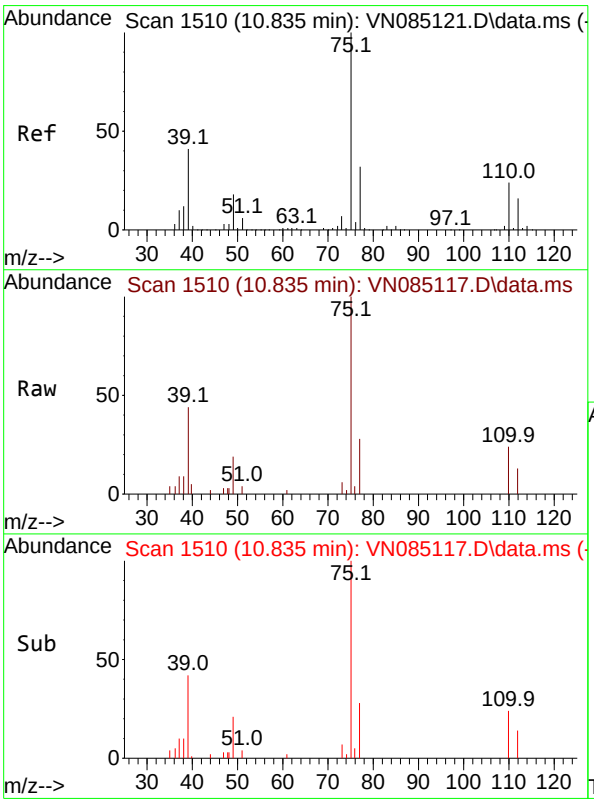
#47
n-amyl Acetate
Concen: 4.021 ug/l
RT: 12.494 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 12494

Ion	Ratio	Lower	Upper
43	100		
55	27.3	23.3	34.9

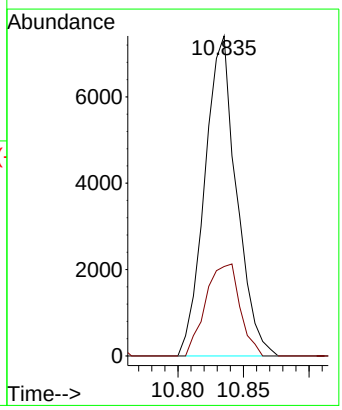


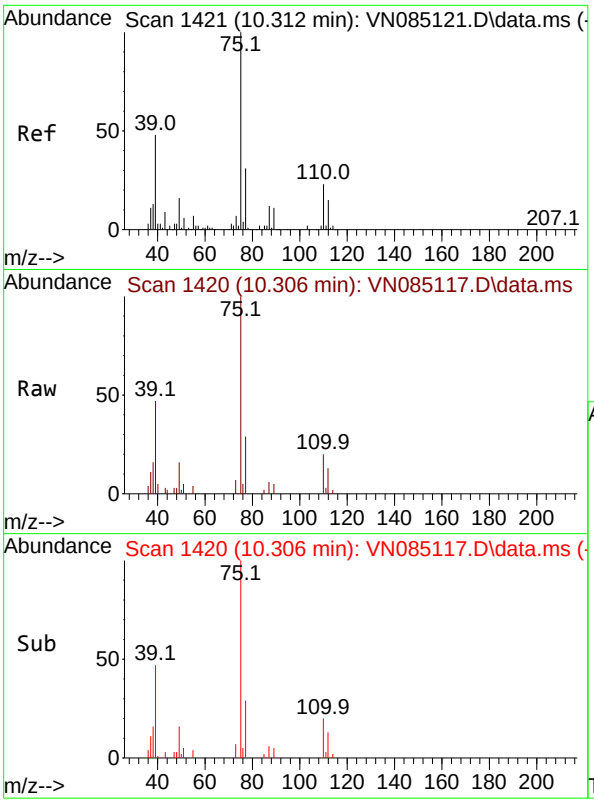


#48
t-1,3-Dichloropropene
Concen: 4.675 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 75 Resp: 12463

Ion	Ratio	Lower	Upper
75	100		
77	28.0	25.5	38.3



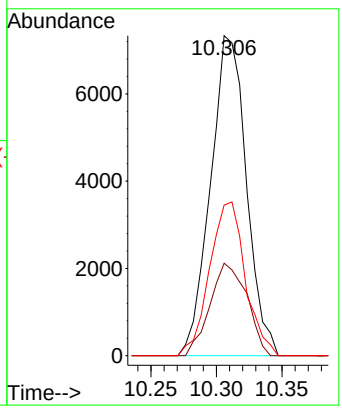


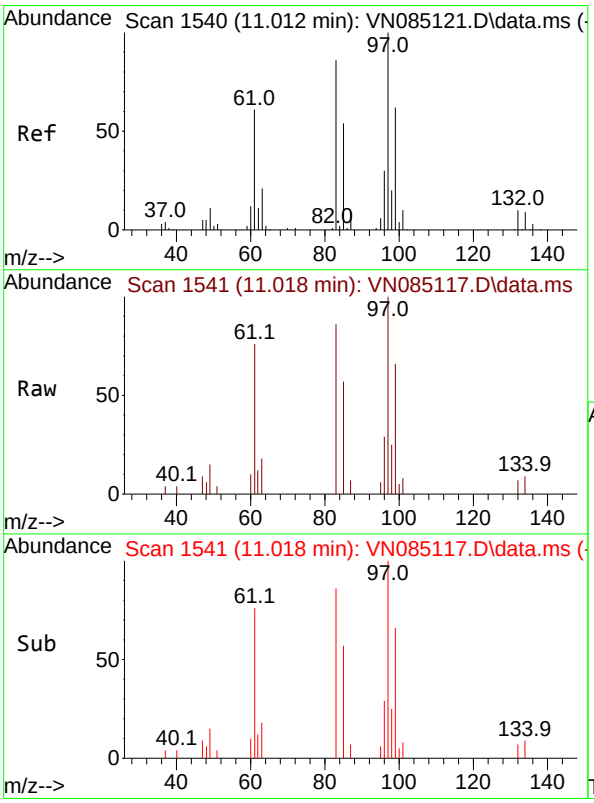
#49
cis-1,3-Dichloropropene
Concen: 4.809 ug/l
RT: 10.306 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 13955

Ion	Ratio	Lower	Upper
75	100		
77	28.9	23.8	35.6
39	47.0	37.3	55.9

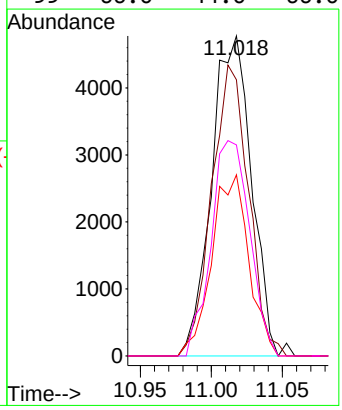


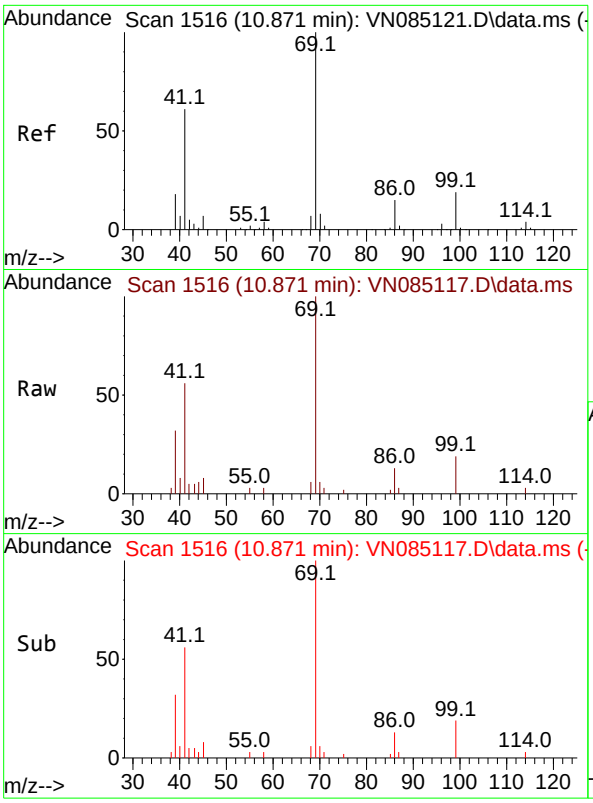


#50
1,1,2-Trichloroethane
Concen: 5.429 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 97 Resp: 9292

Ion	Ratio	Lower	Upper
97	100		
83	86.3	65.8	98.8
85	56.6	40.8	61.2
99	66.0	44.0	66.0



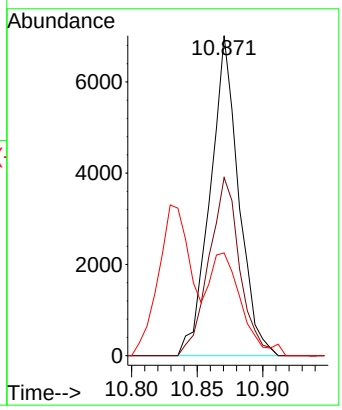


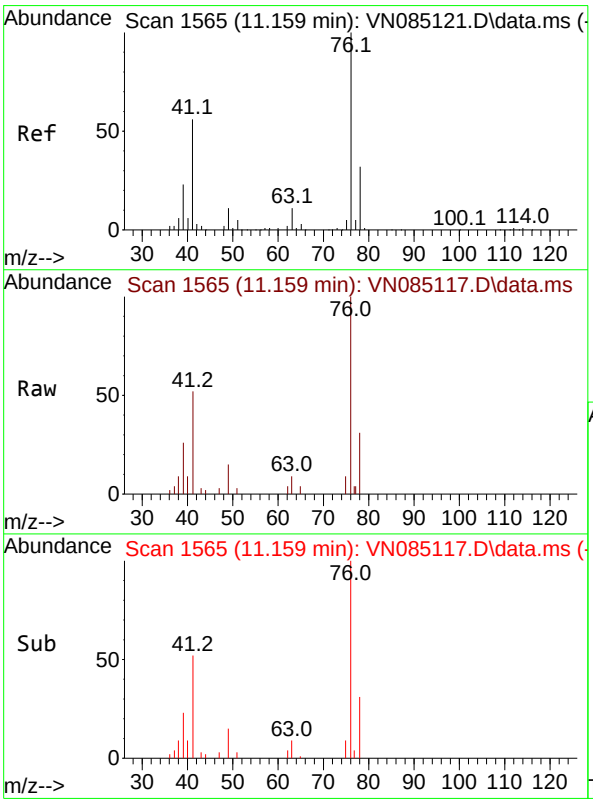
#51
Ethyl methacrylate
Concen: 4.068 ug/l
RT: 10.871 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 69 Resp: 10590

Ion	Ratio	Lower	Upper
69	100		
41	55.7	32.1	96.3
39	28.5	18.8	56.4

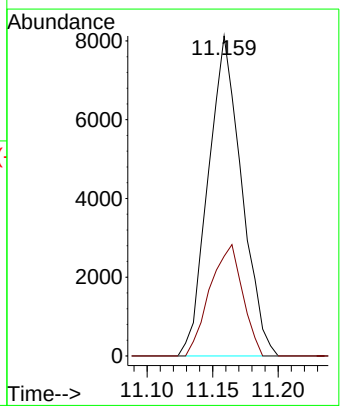


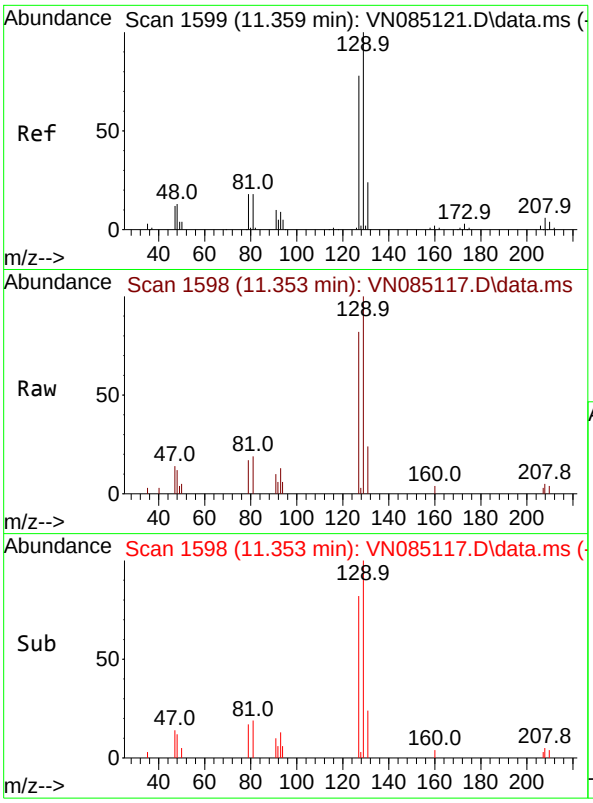


#52
1,3-Dichloropropane
Concen: 5.019 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 76 Resp: 14378

Ion	Ratio	Lower	Upper
76	100		
78	34.1	0.0	65.6



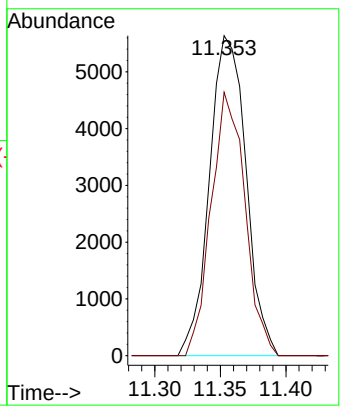


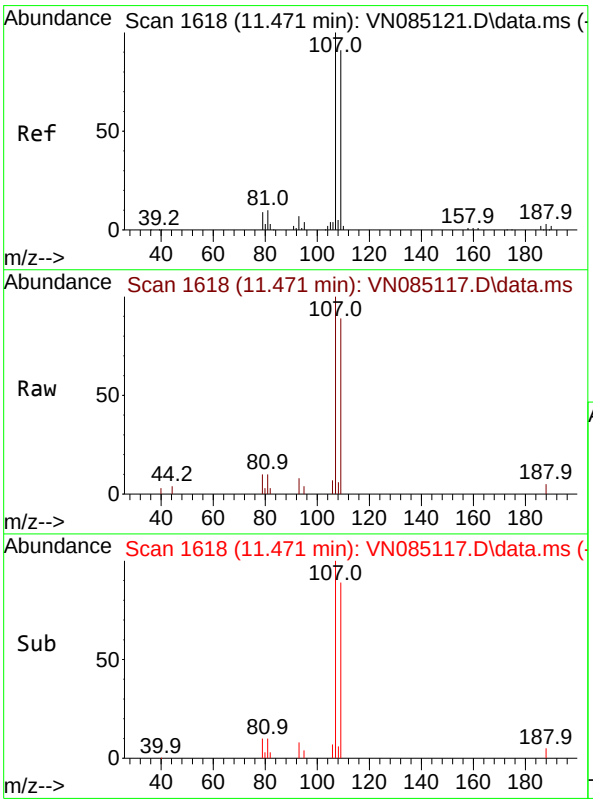
#53
Dibromochloromethane
Concen: 5.246 ug/l
RT: 11.353 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:129 Resp: 10942

Ion	Ratio	Lower	Upper
129	100		
127	76.1	37.3	111.9

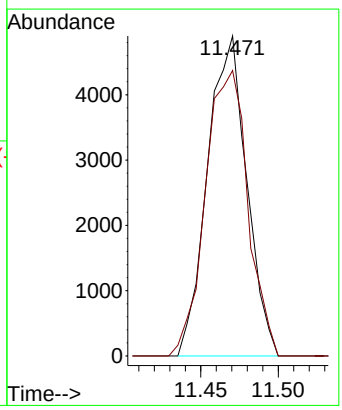


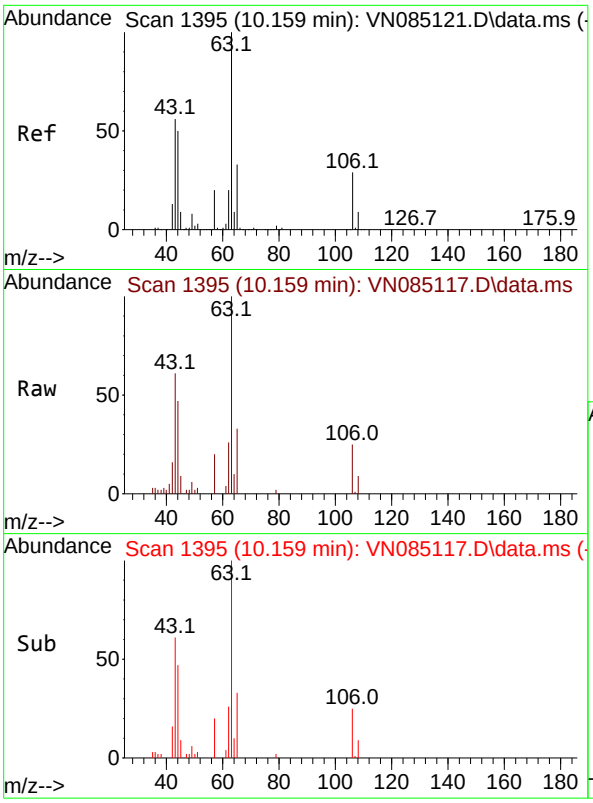


#54
1,2-Dibromoethane
Concen: 4.988 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:107 Resp: 8602

Ion	Ratio	Lower	Upper
107	100		
109	96.6	75.2	112.8



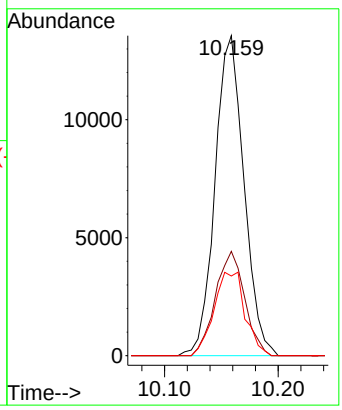


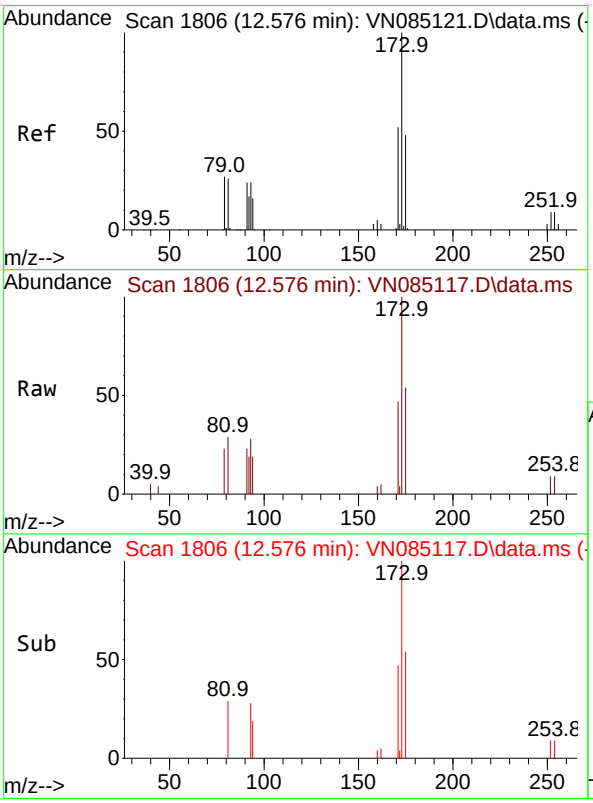
#55
2-Chloroethyl vinyl ether
Concen: 19.844 ug/l
RT: 10.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 23999

Ion	Ratio	Lower	Upper
63	100		
65	33.0	25.9	38.9
106	28.1	23.5	35.3

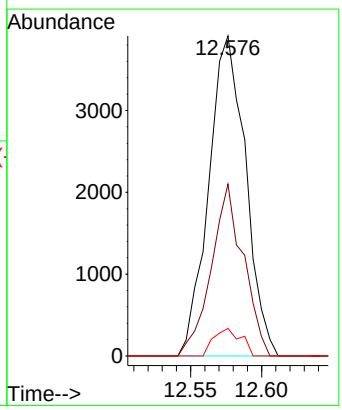


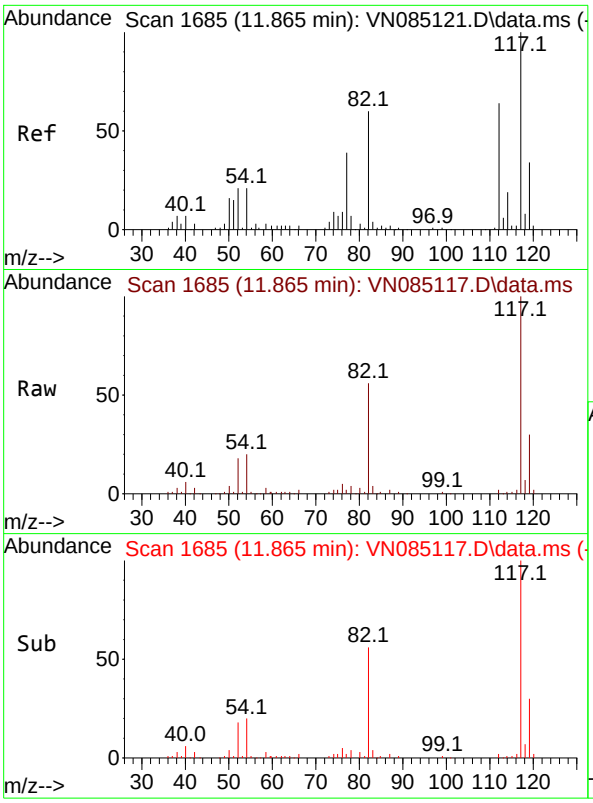


#56
Bromoform
Concen: 5.052 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:173 Resp: 7066

Ion	Ratio	Lower	Upper
173	100		
175	46.7	40.2	60.2
254	6.3	6.2	9.4



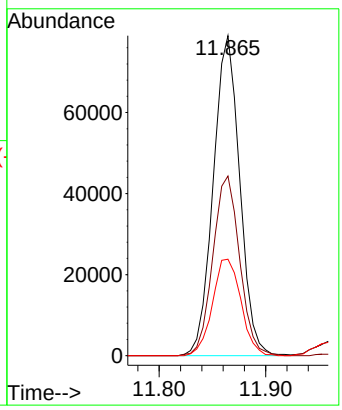


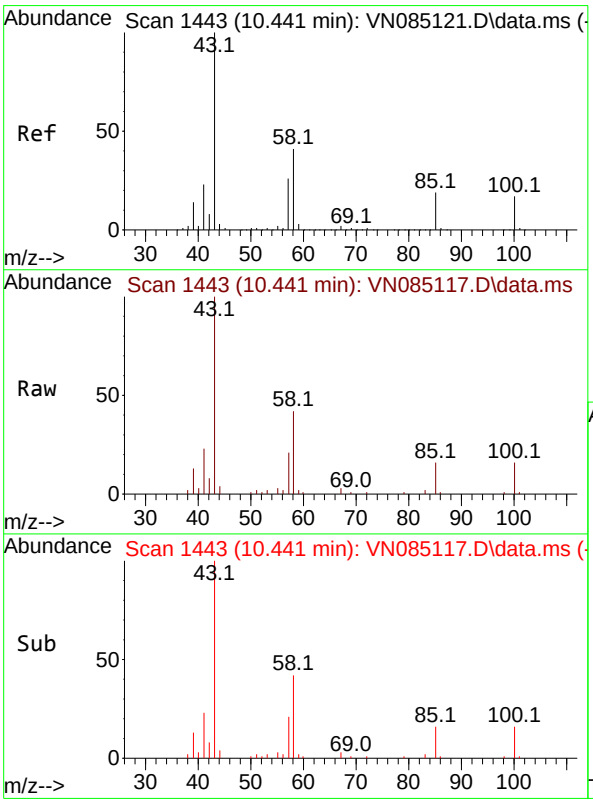
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 136167

Ion	Ratio	Lower	Upper
117	100		
82	57.0	44.2	66.4
119	32.5	25.4	38.2

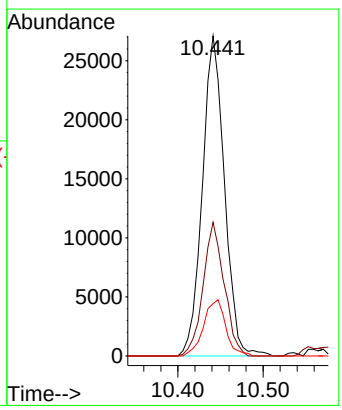


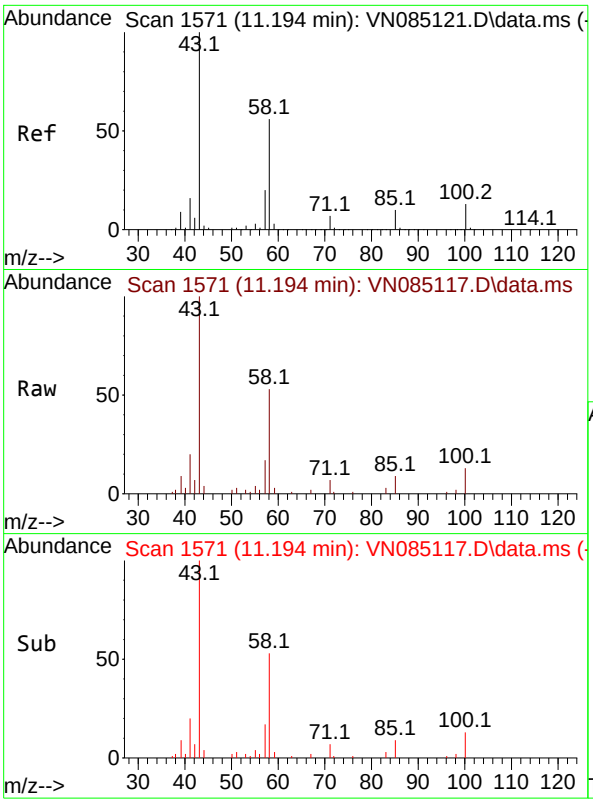


#58
4-Methyl-2-Pentanone
Concen: 21.990 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 43 Resp: 48868

Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.6	47.4
85	17.6	15.0	22.6



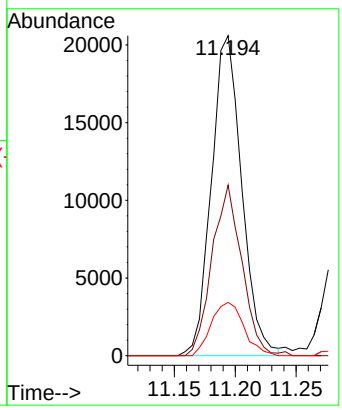


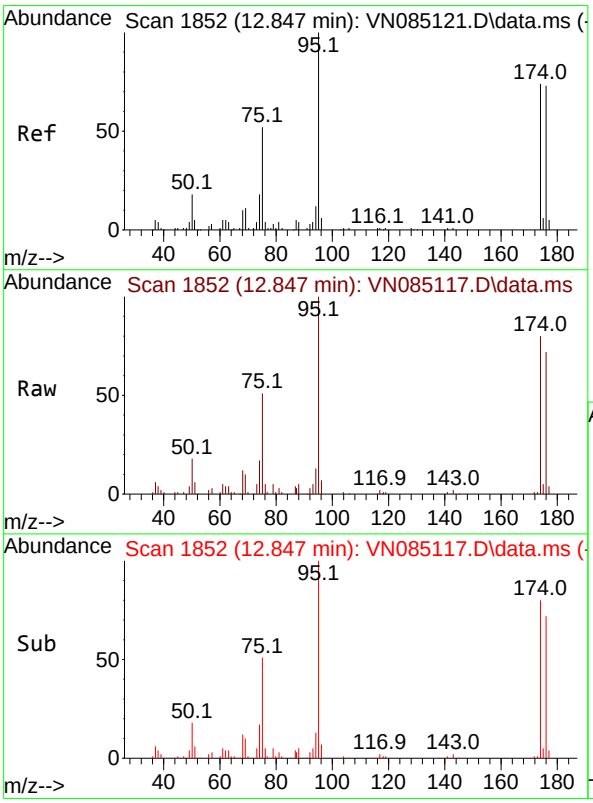
#59
2-Hexanone
Concen: 21.188 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 35678

Ion	Ratio	Lower	Upper
43	100		
58	52.3	43.6	65.4
57	17.9	15.4	23.0

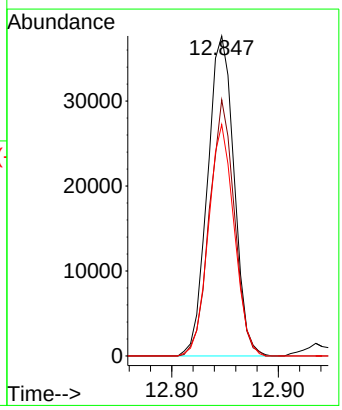


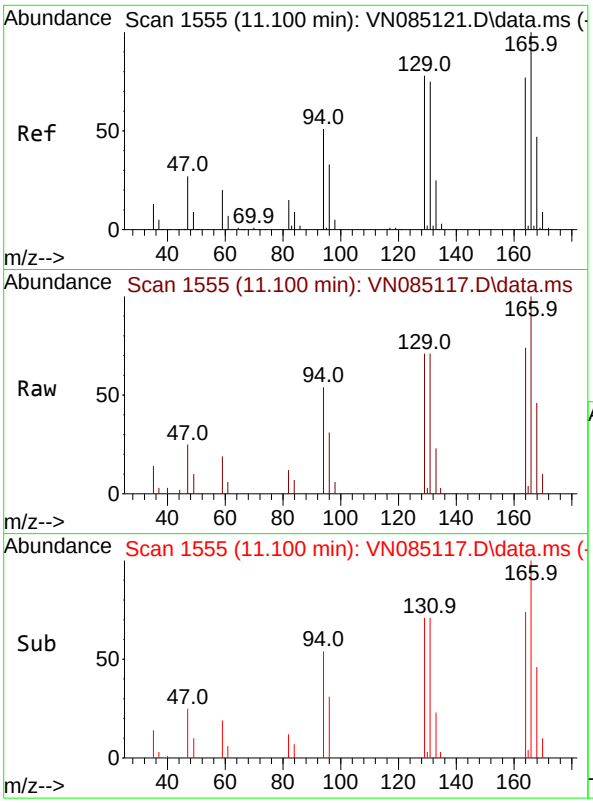


#60
4-Bromofluorobenzene
Concen: 28.954 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 95 Resp: 65235

Ion	Ratio	Lower	Upper
95	100		
174	75.0	60.3	90.5
176	70.2	57.4	86.0



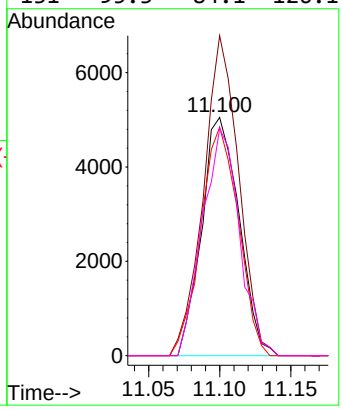


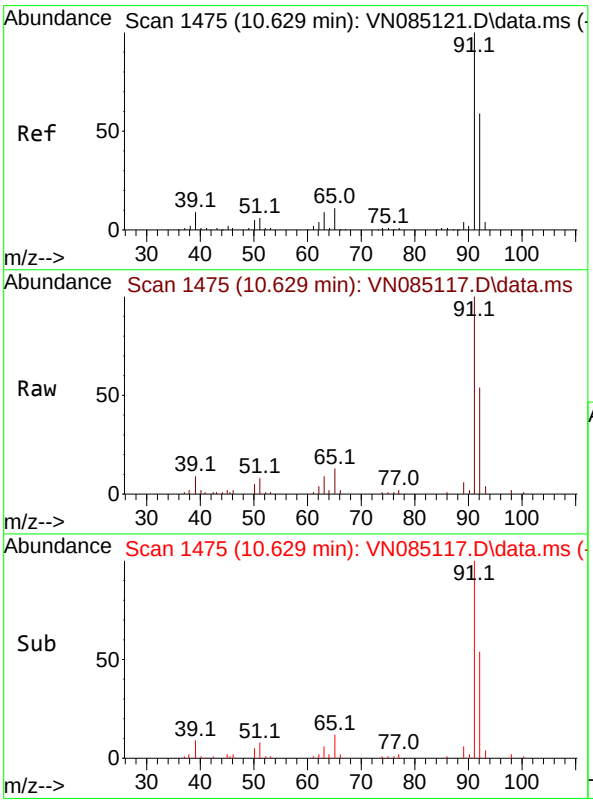
#61
Tetrachloroethene
Concen: 5.604 ug/l
RT: 11.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:164 Resp: 9241

Ion	Ratio	Lower	Upper
164	100		
166	134.3	103.8	155.8
129	96.0	84.2	126.4
131	95.3	84.1	126.1

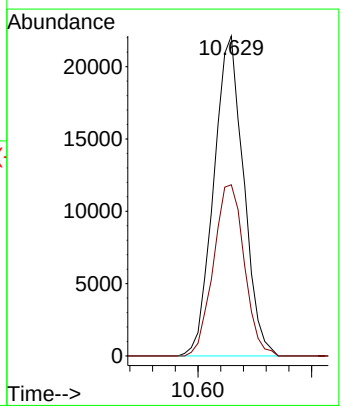


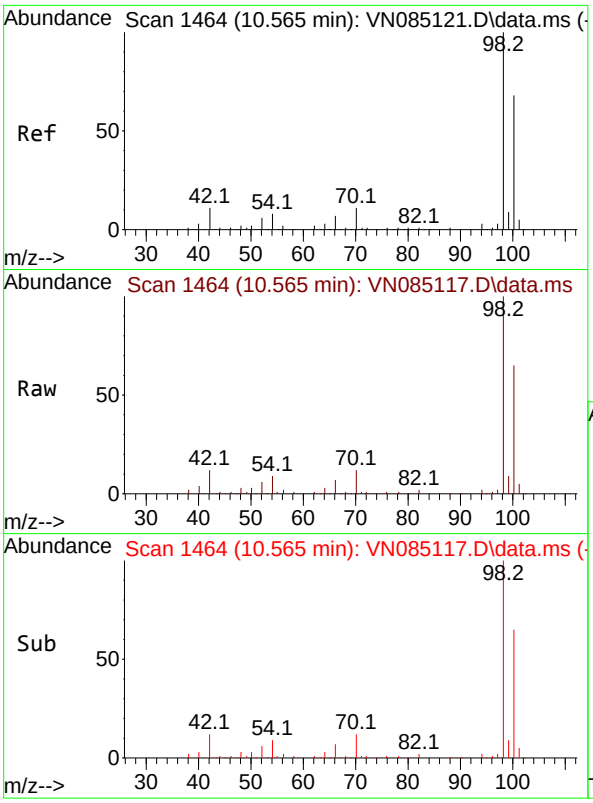


#62
Toluene
Concen: 5.085 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 91 Resp: 40385

Ion	Ratio	Lower	Upper
91	100		
92	55.2	46.5	69.7



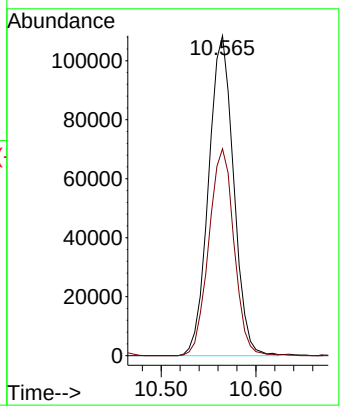


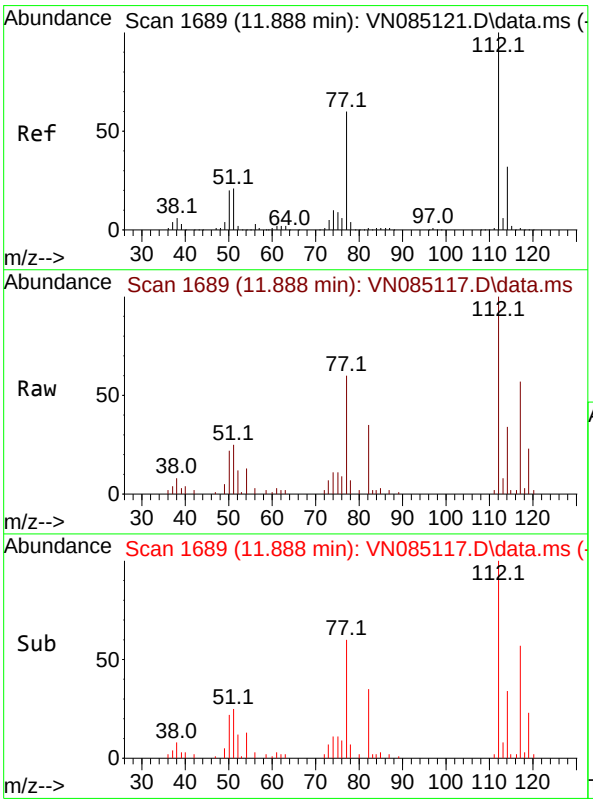
#63
Toluene-d8
Concen: 31.177 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 98 Resp: 199139

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0

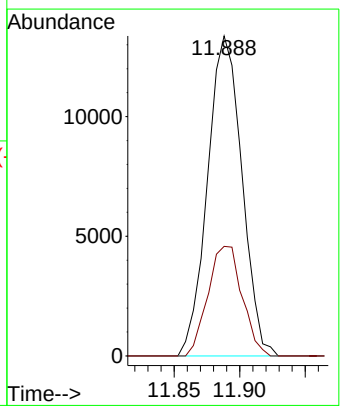


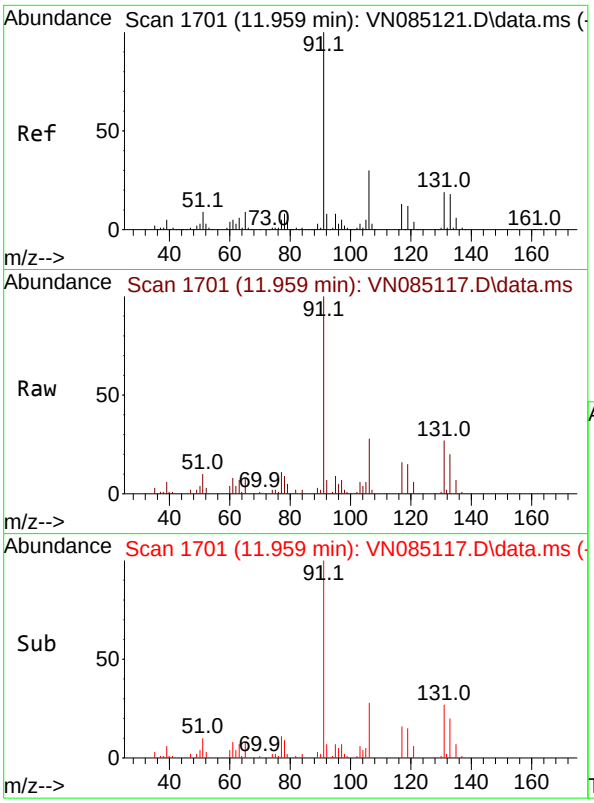


#64
Chlorobenzene
Concen: 4.972 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:112 Resp: 24379

Ion	Ratio	Lower	Upper
112	100		
114	34.2	26.0	39.0



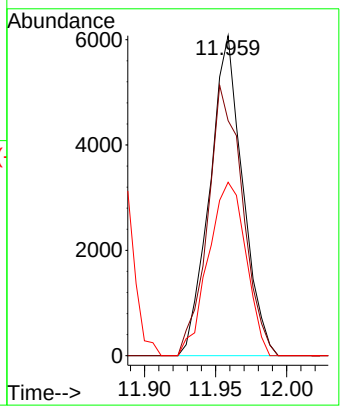


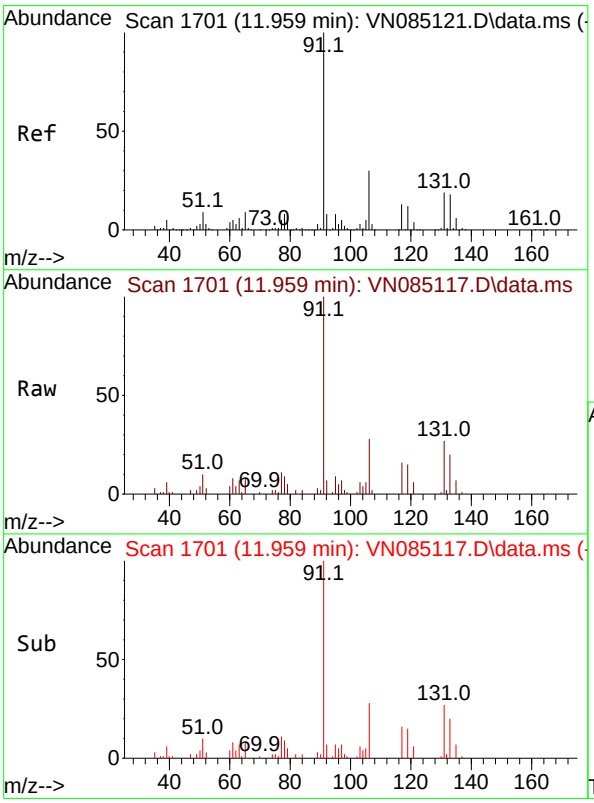
#65
1,1,1,2-Tetrachloroethane
Concen: 5.352 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:131 Resp: 9796

Ion	Ratio	Lower	Upper
131	100		
133	89.3	0.0	194.0
119	61.9	0.0	131.8

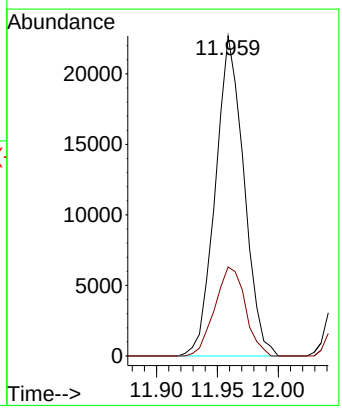


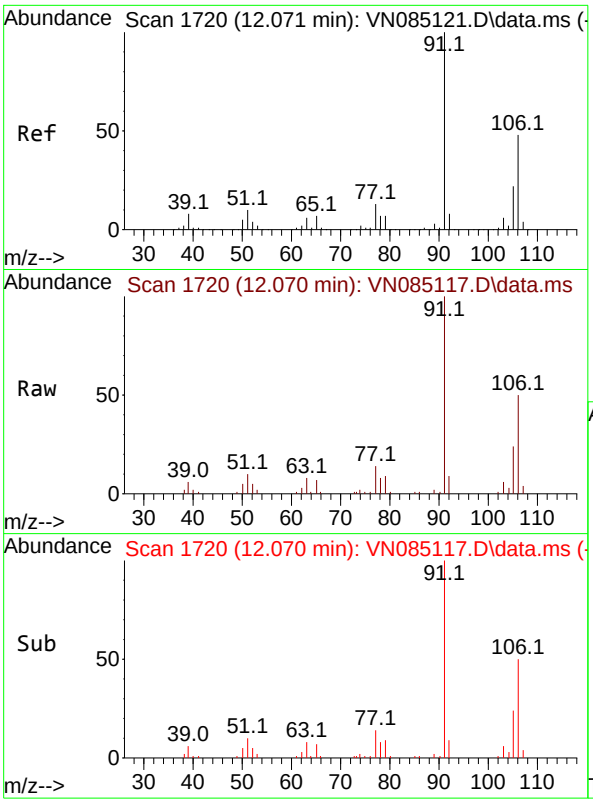


#66
Ethyl Benzene
Concen: 4.380 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 91 Resp: 36907

Ion	Ratio	Lower	Upper
91	100		
106	27.8	23.1	34.7



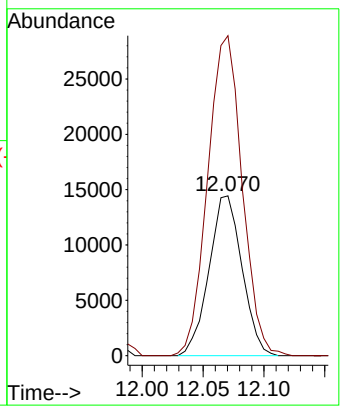


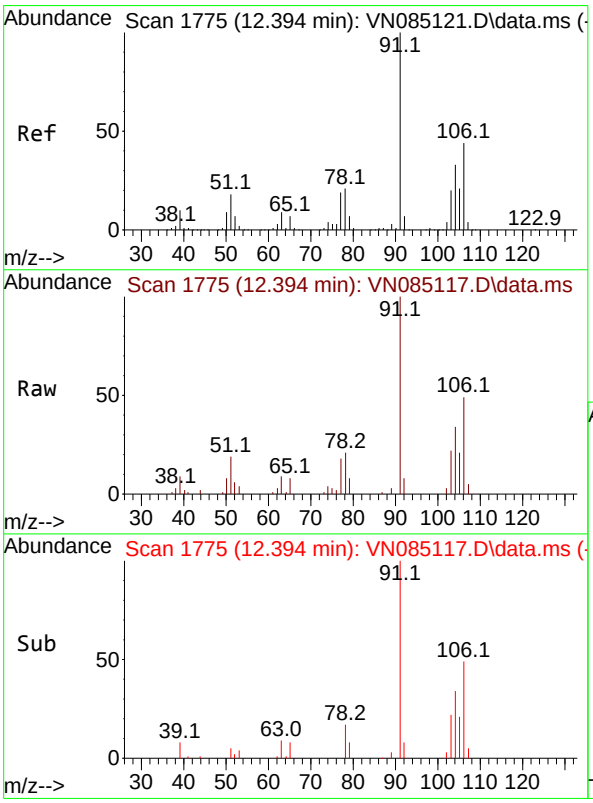
#67
m/p-Xylenes
Concen: 8.414 ug/l
RT: 12.070 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 27271

Ion	Ratio	Lower	Upper
106	100		
91	208.7	165.0	247.4

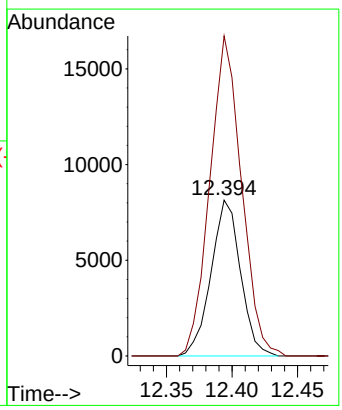


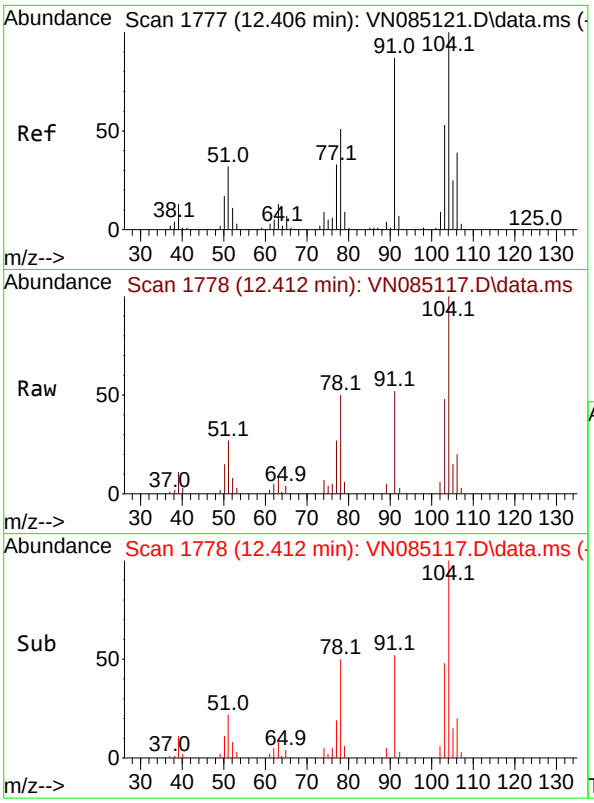


#68
o-Xylene
Concen: 4.186 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:106 Resp: 12741

Ion	Ratio	Lower	Upper
106	100		
91	220.0	112.1	336.4



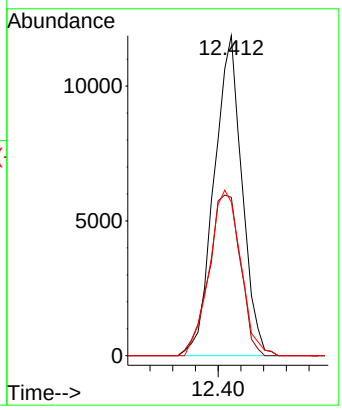


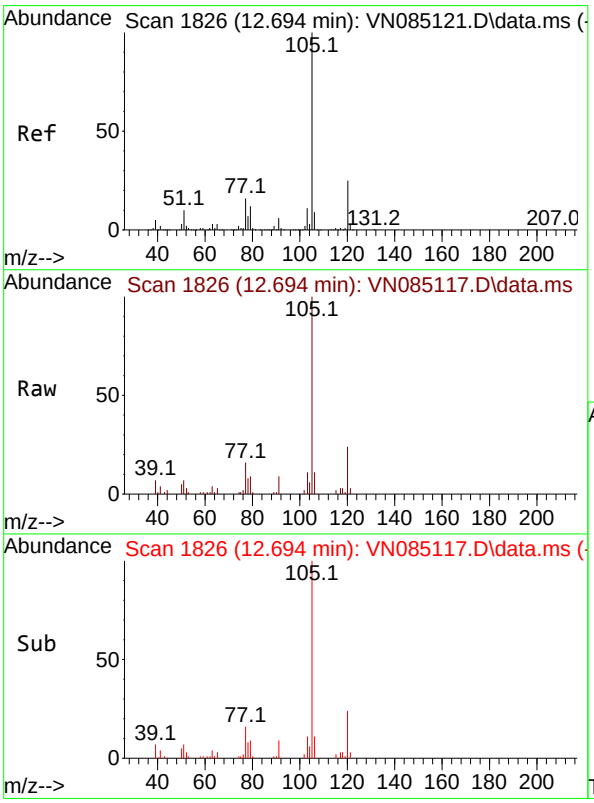
#69
Styrene
Concen: 3.918 ug/l
RT: 12.412 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:104 Resp: 20235

Ion	Ratio	Lower	Upper
104	100		
78	57.0	42.3	63.5
103	58.1	44.4	66.6

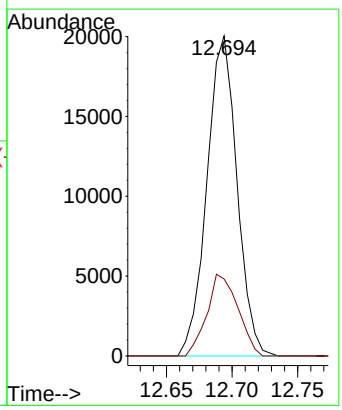


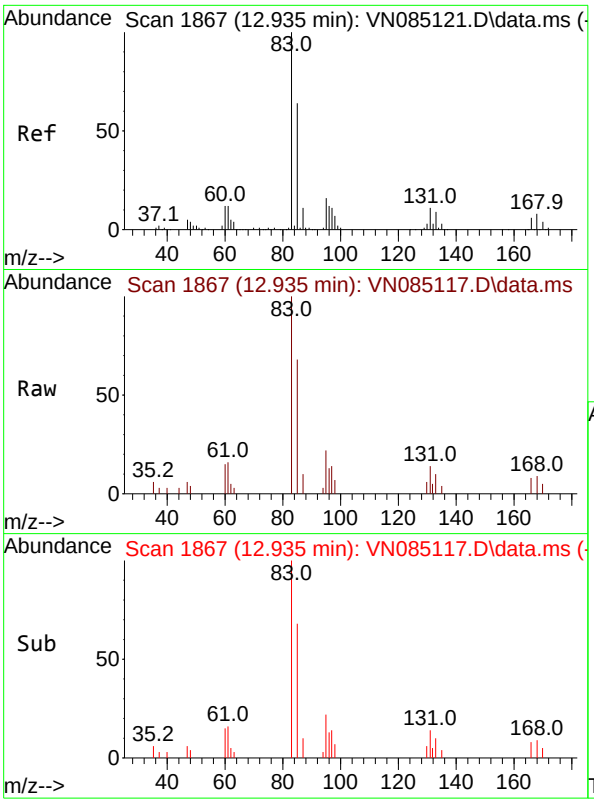


#70
Isopropylbenzene
Concen: 4.073 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:105 Resp: 31980

Ion	Ratio	Lower	Upper
105	100		
120	26.3	18.3	33.9



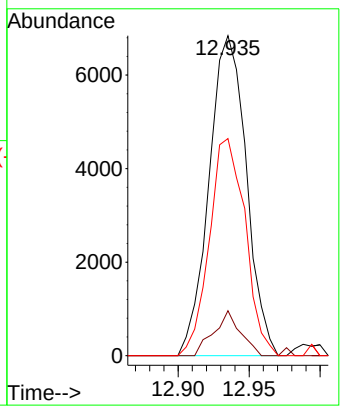


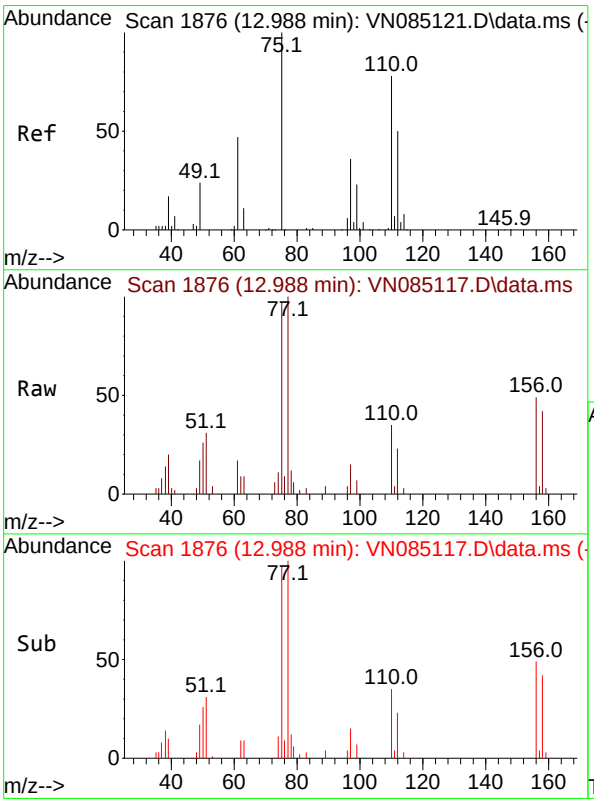
#71
1,1,2,2-Tetrachloroethane
Concen: 5.232 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 12502

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.1	15.3
85	65.2	31.1	93.5

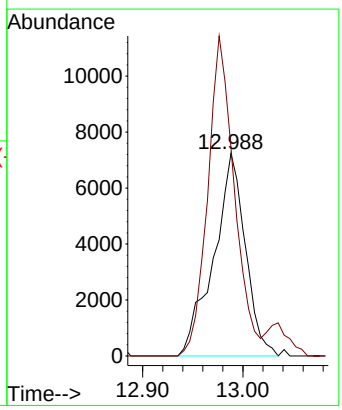


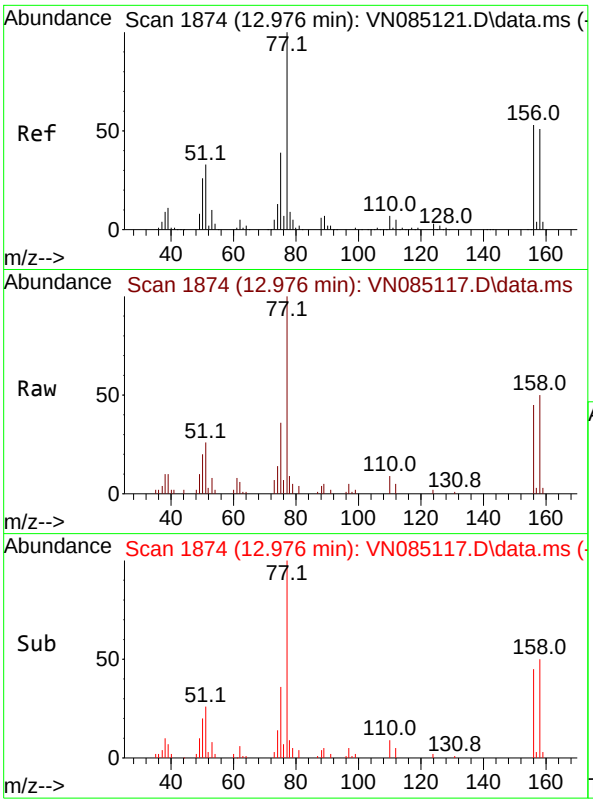


#72
1,2,3-Trichloropropane
Concen: 6.740 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 75 Resp: 15909

Ion	Ratio	Lower	Upper
75	100		
77	132.7	0.0	339.0



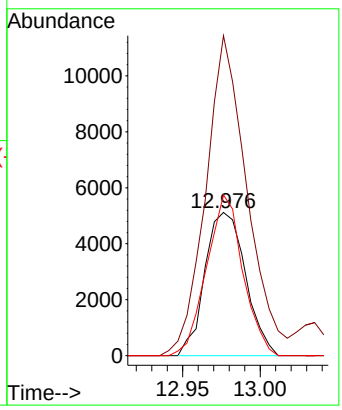


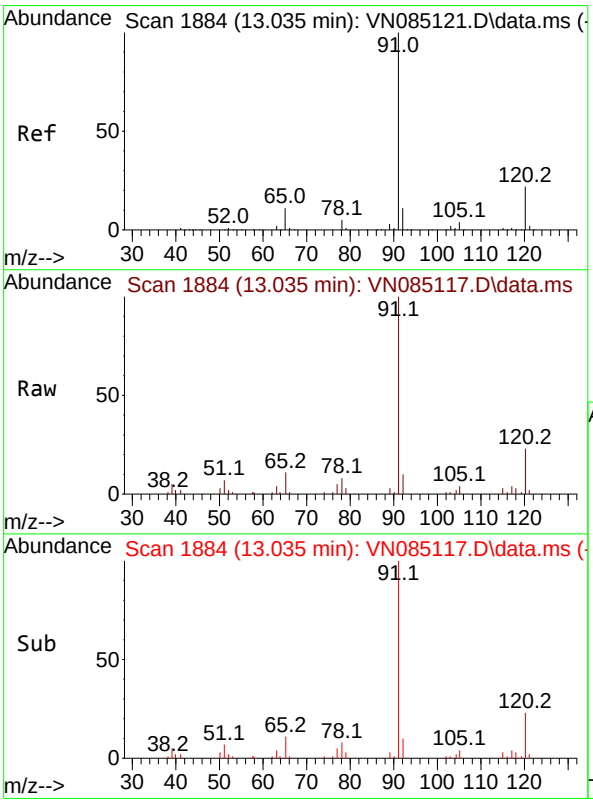
#73
Bromobenzene
Concen: 4.742 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 9325

Ion	Ratio	Lower	Upper
156	100		
77	226.5	0.0	430.4
158	100.2	0.0	195.2

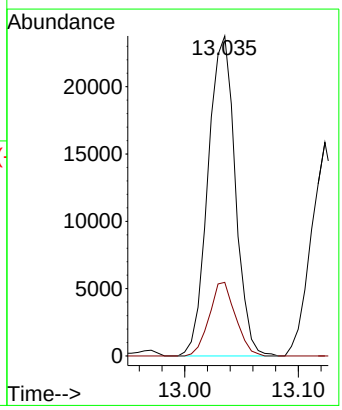


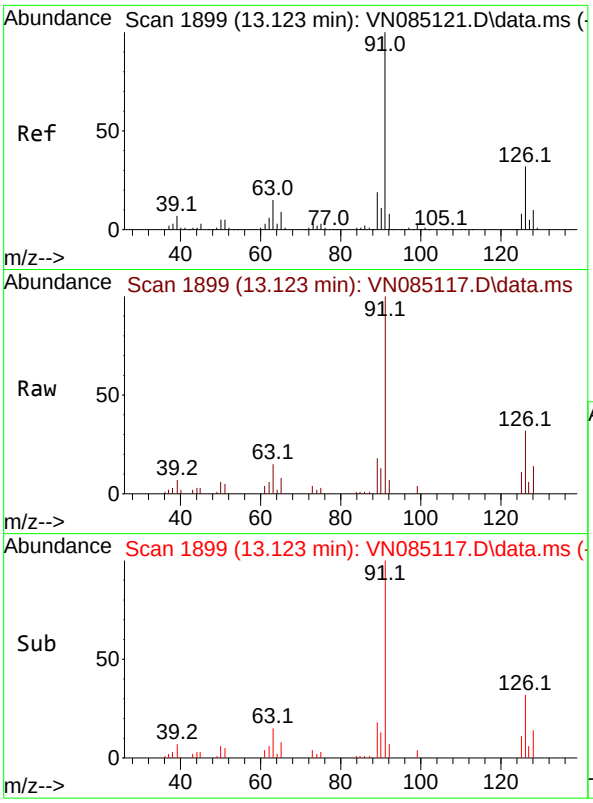


#74
n-propylbenzene
Concen: 4.194 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 91 Resp: 39585

Ion	Ratio	Lower	Upper
91	100		
120	22.2	0.0	44.0



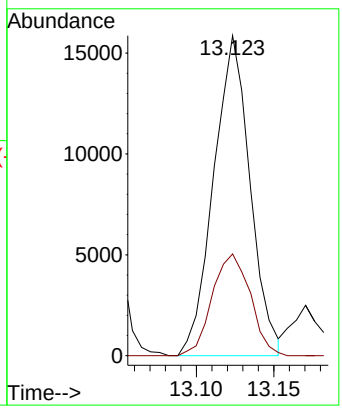


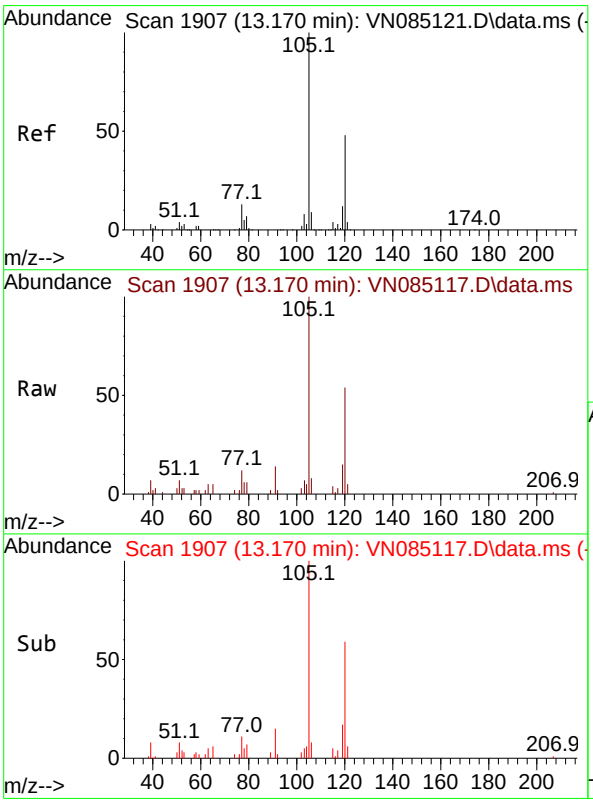
#75
2-Chlorotoluene
Concen: 4.445 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 25942

Ion	Ratio	Lower	Upper
91	100		
126	33.2	0.0	64.2

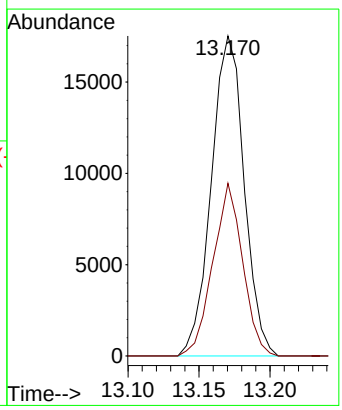


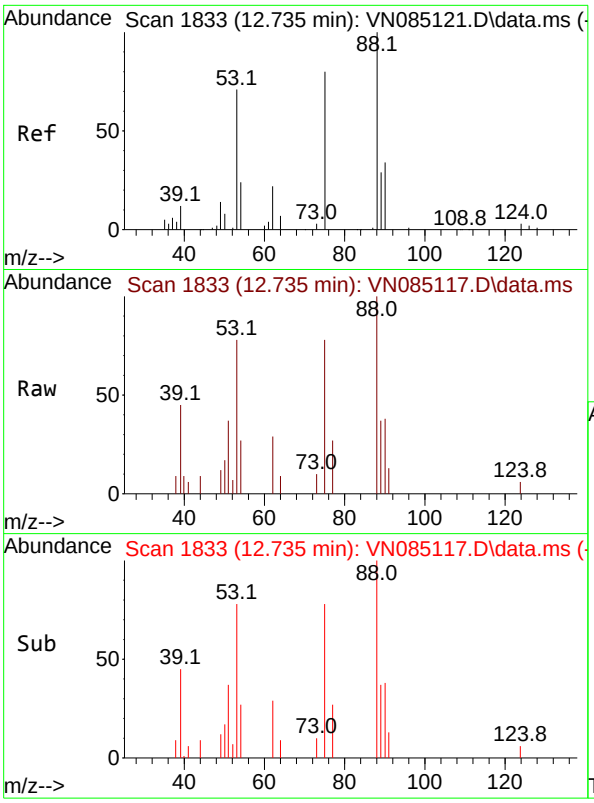


#76
1,3,5-Trimethylbenzene
Concen: 4.187 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:105 Resp: 28160

Ion	Ratio	Lower	Upper
105	100		
120	48.8	0.0	94.4



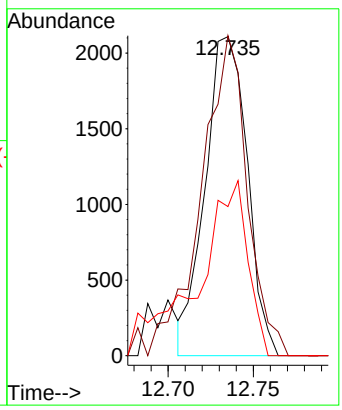


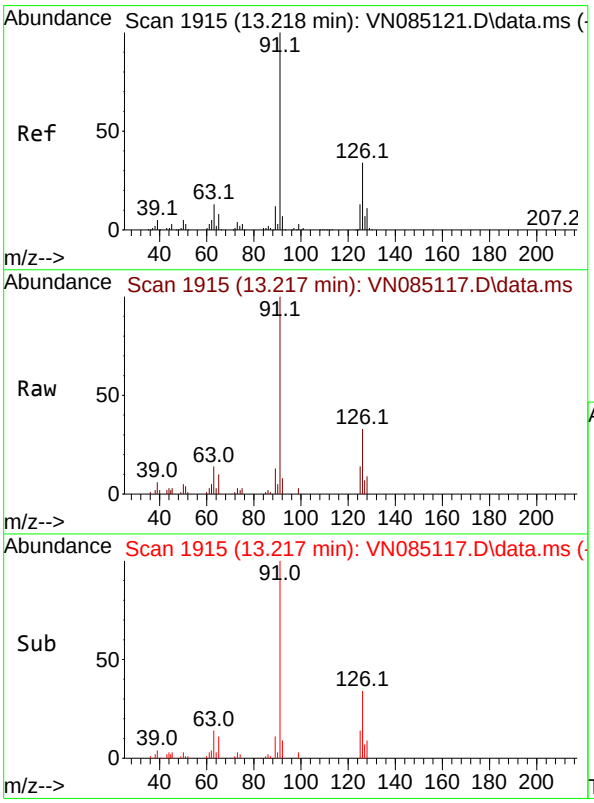
#77
t-1,4-Dichloro-2-butene
Concen: 4.218 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 3618

Ion	Ratio	Lower	Upper
75	100		
53	92.7	49.1	147.3
89	46.8	22.9	68.5

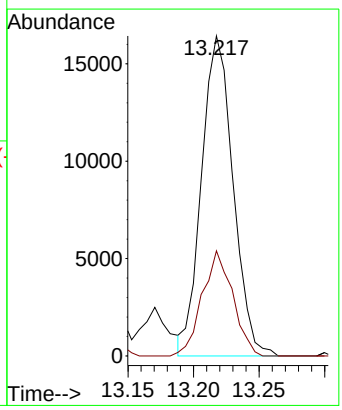


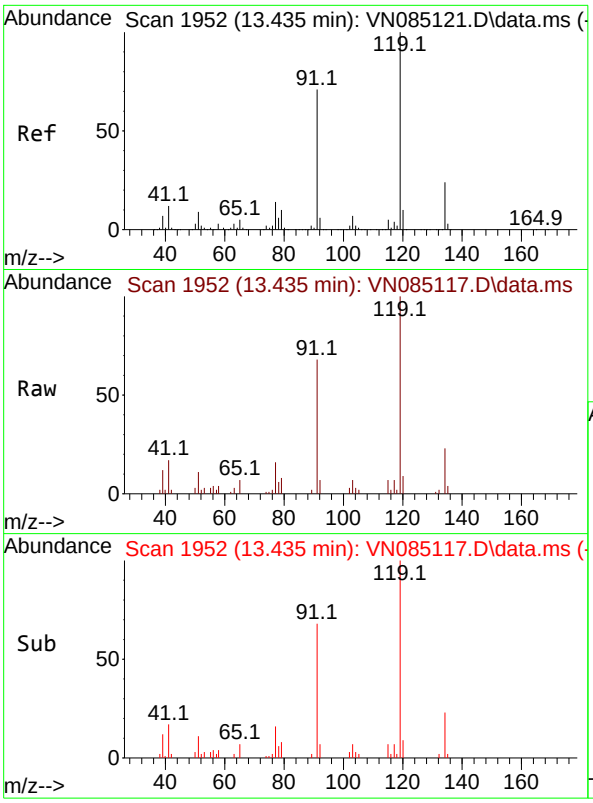


#78
4-Chlorotoluene
Concen: 4.644 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 91 Resp: 27508

Ion	Ratio	Lower	Upper
91	100		
126	31.8	0.0	64.4



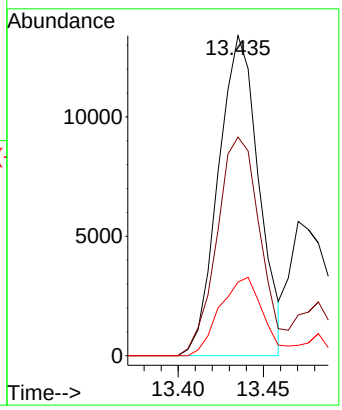


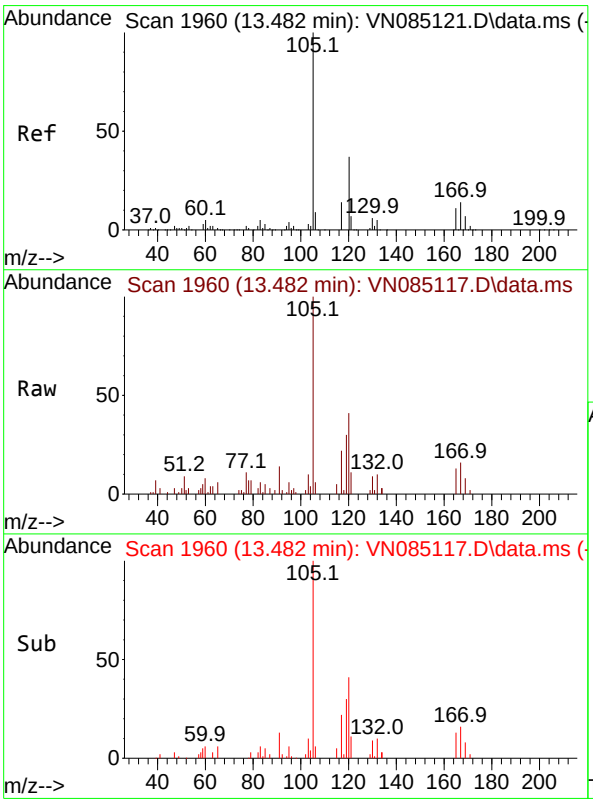
#79
tert-butylbenzene
Concen: 4.019 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 22204

Ion	Ratio	Lower	Upper
119	100		
91	73.7	0.0	139.2
134	26.0	0.0	48.0

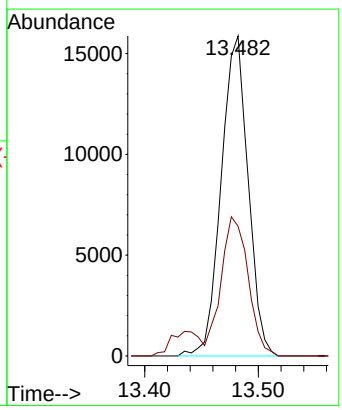


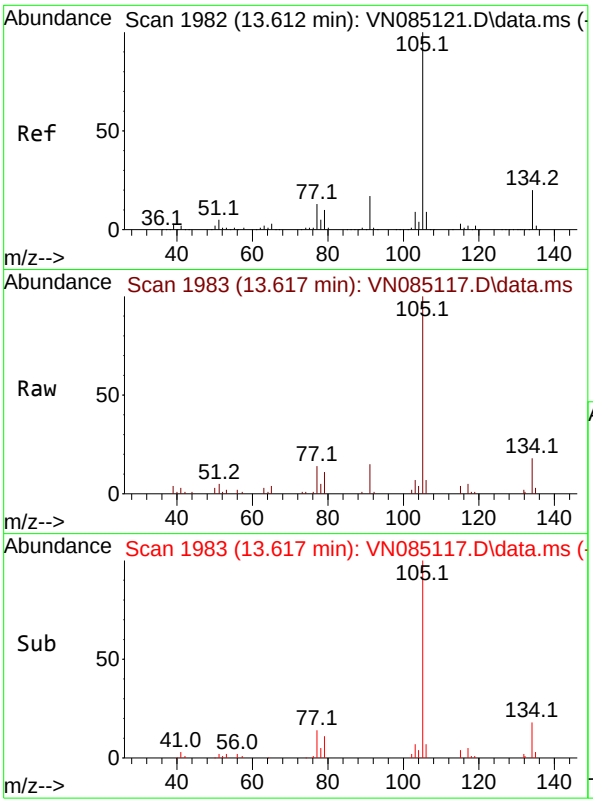


#80
1,2,4-Trimethylbenzene
Concen: 3.933 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:105 Resp: 26128

Ion	Ratio	Lower	Upper
105	100		
120	43.8	0.0	87.4



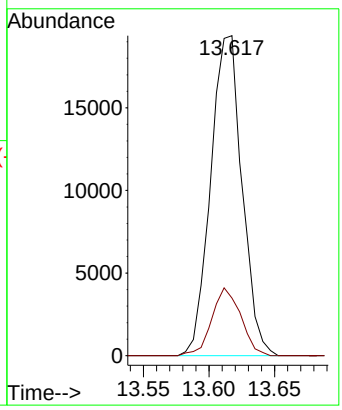


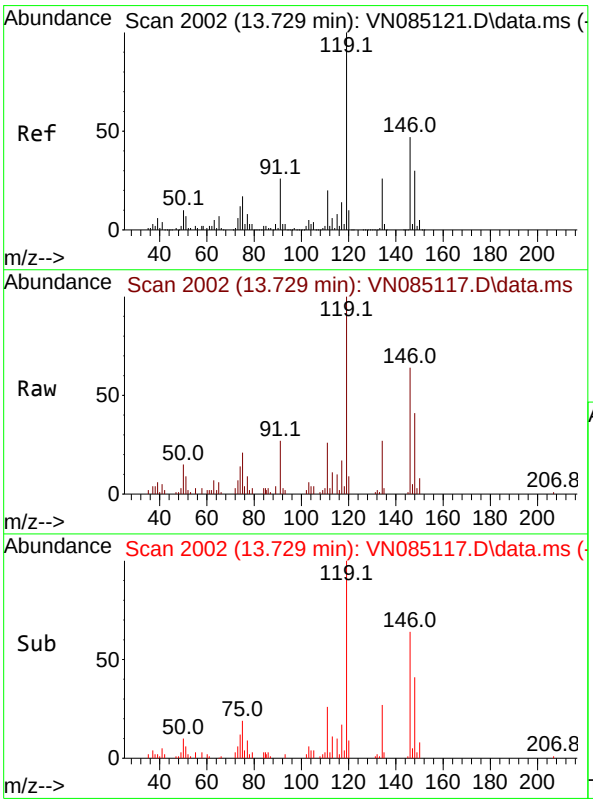
#81
sec-Butylbenzene
Concen: 4.109 ug/l
RT: 13.617 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 32252

Ion	Ratio	Lower	Upper
105	100		
134	19.6	0.0	38.0

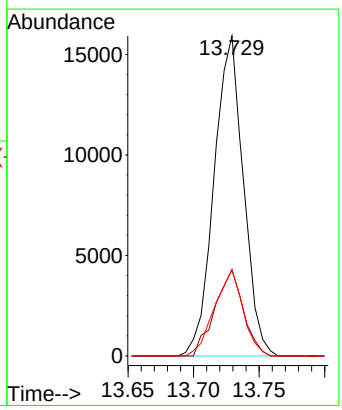


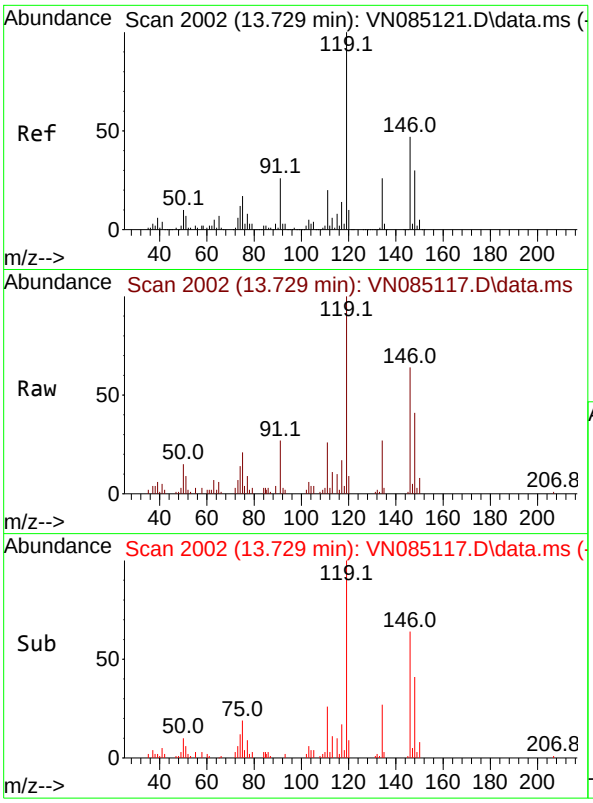


#82
p-Isopropyltoluene
Concen: 3.803 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:119 Resp: 24743

Ion	Ratio	Lower	Upper
119	100		
134	26.1	0.0	51.6
91	26.2	0.0	50.4



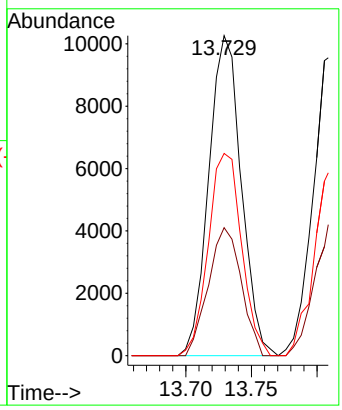


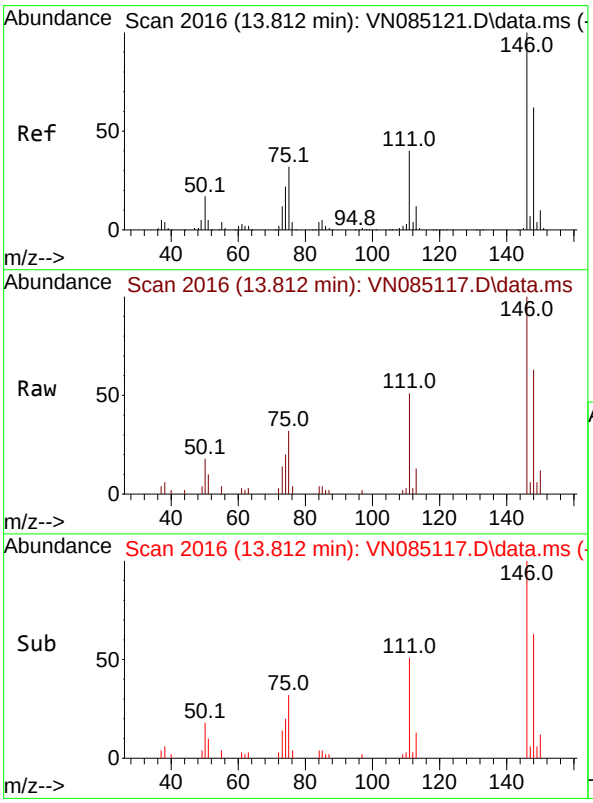
#83
1,3-Dichlorobenzene
Concen: 4.900 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 17680

Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.1	63.3
148	64.8	31.8	95.3

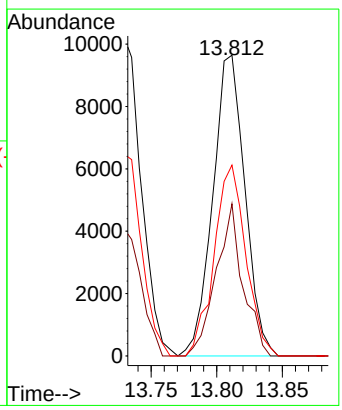


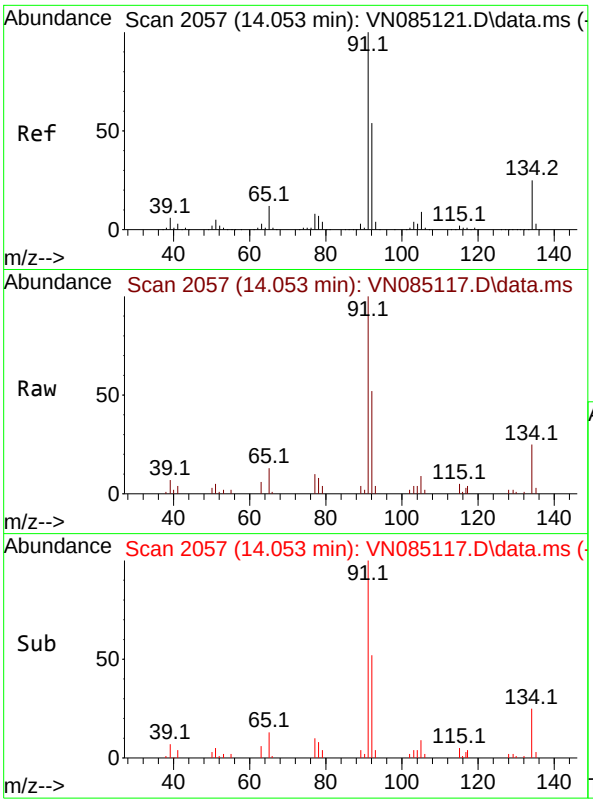


#84
1,4-Dichlorobenzene
Concen: 4.680 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:146 Resp: 16455

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.1	60.3
148	62.6	31.6	94.7



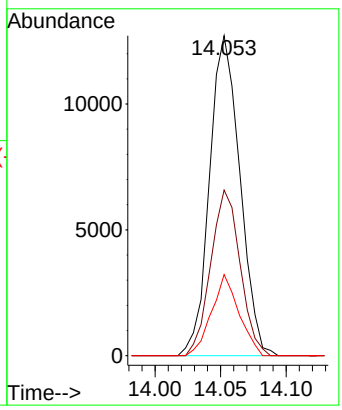


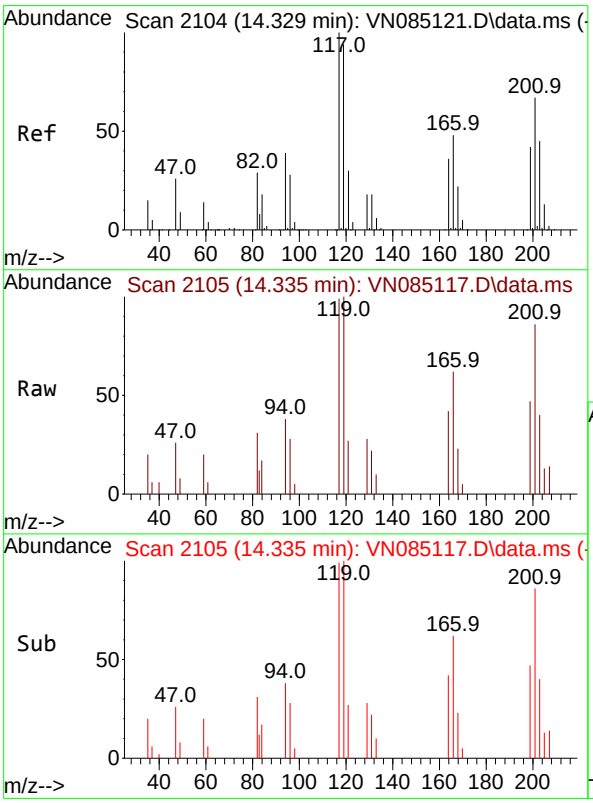
#85
n-Butylbenzene
Concen: 3.756 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 20500

Ion	Ratio	Lower	Upper
91	100		
92	50.0	0.0	104.0
134	22.8	0.0	49.2

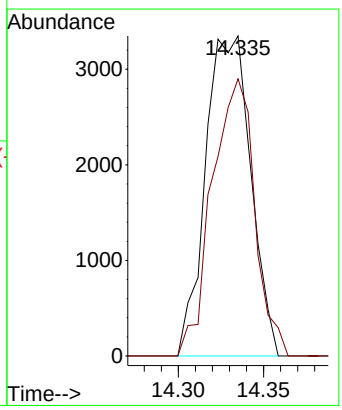


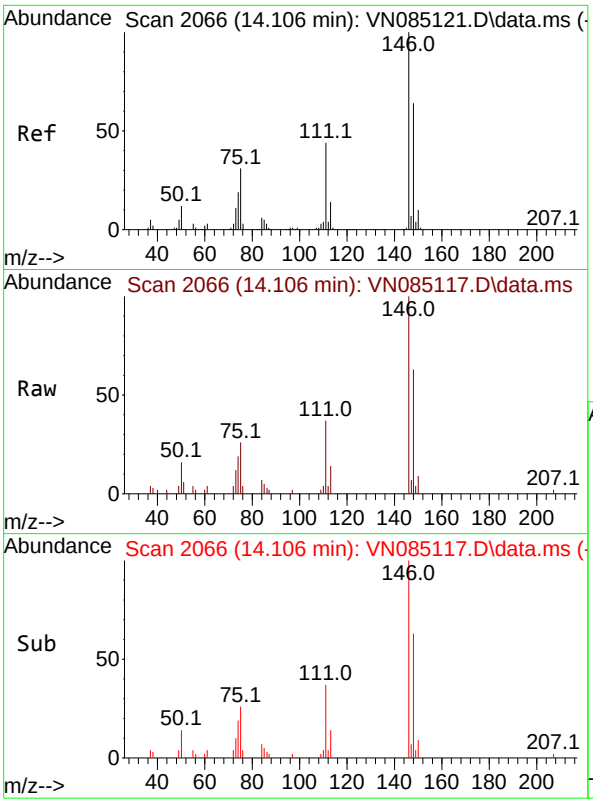


#86
Hexachloroethane
Concen: 4.778 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:117 Resp: 6189

Ion	Ratio	Lower	Upper
117	100		
201	81.3	34.1	102.3



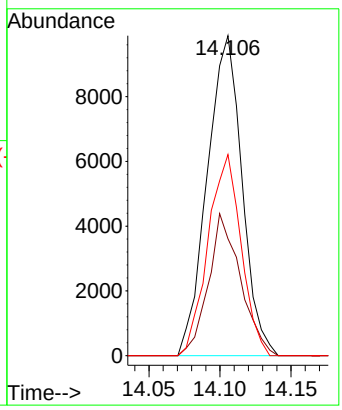


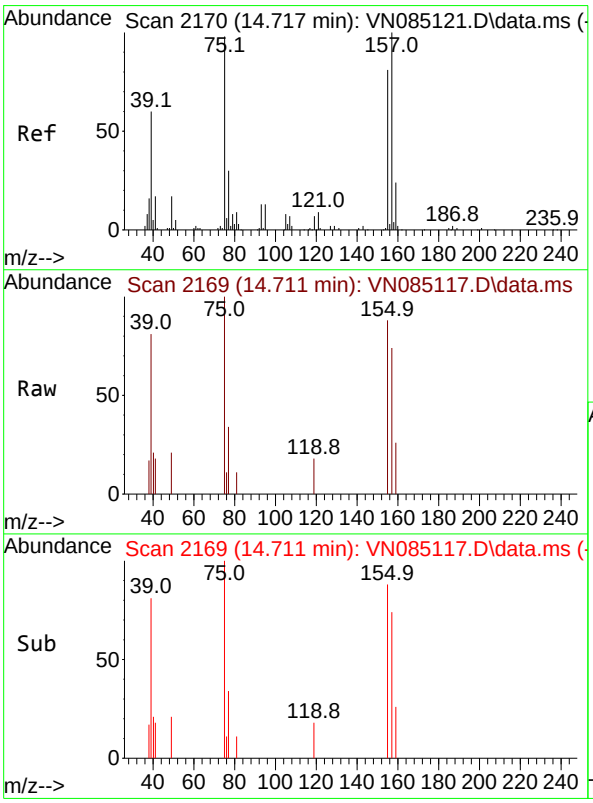
#87
1,2-Dichlorobenzene
Concen: 4.950 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 16856

Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.9	65.7
148	59.8	32.4	97.0

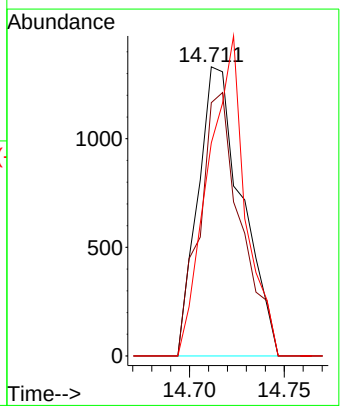


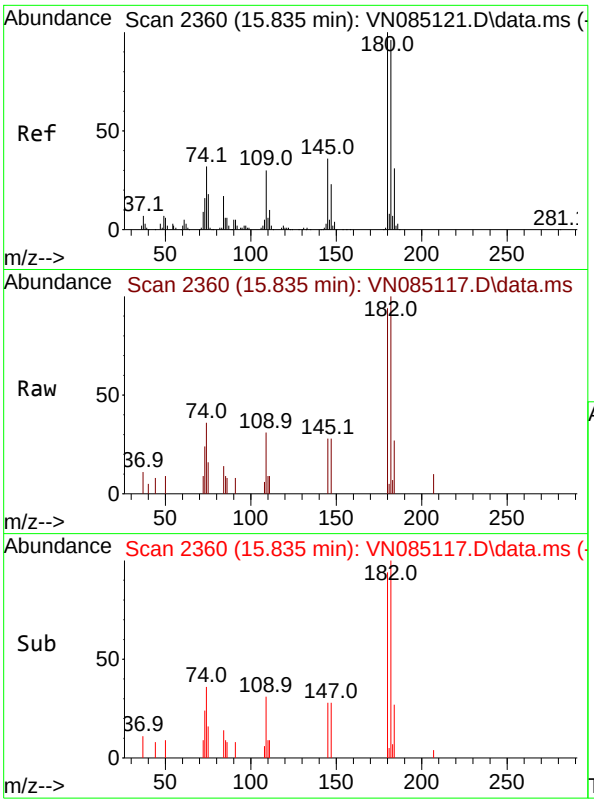


#88
1,2-Dibromo-3-Chloropropane
Concen: 4.495 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion: 75 Resp: 2146

Ion	Ratio	Lower	Upper
75	100		
155	85.4	62.1	93.1
157	94.2	79.3	118.9



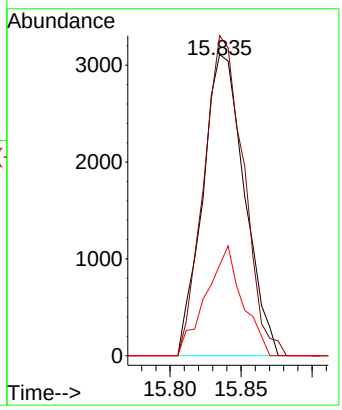


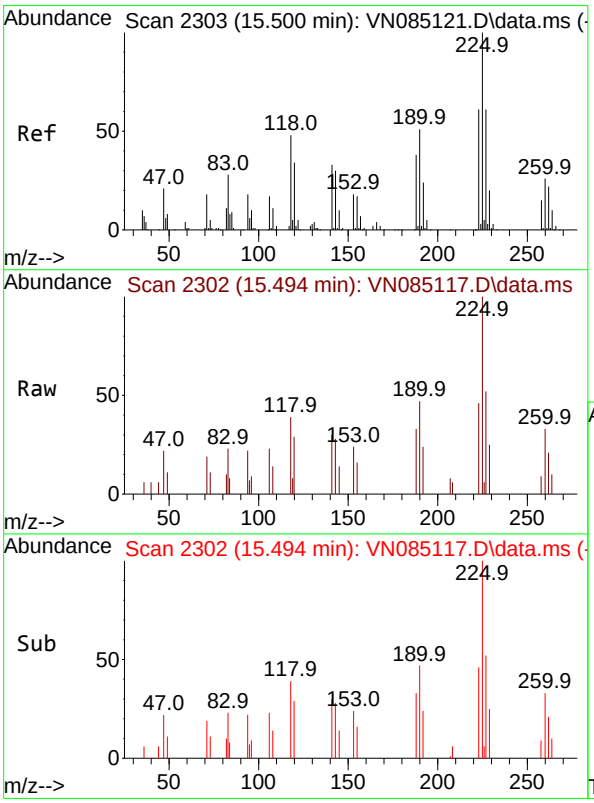
#89
1,2,4-Trichlorobenzene
Concen: 3.806 ug/l
RT: 15.835 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 6347

Ion	Ratio	Lower	Upper
180	100		
182	101.3	74.0	111.0
145	31.8	28.6	43.0

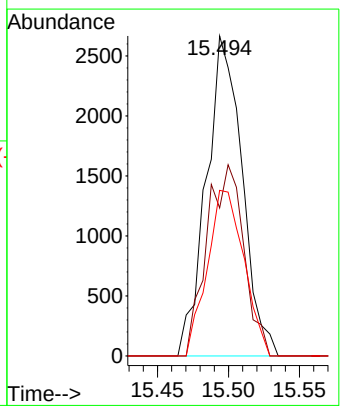


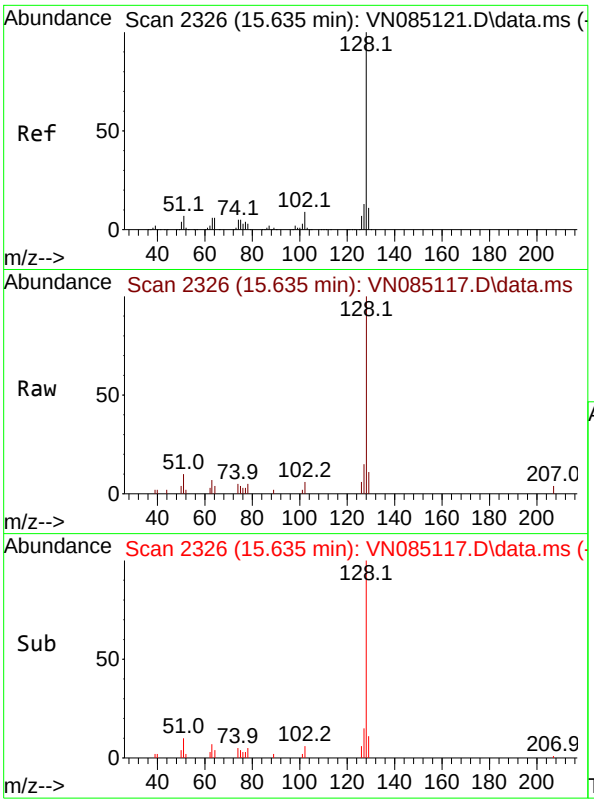


#90
Hexachlorobutadiene
Concen: 5.392 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:225 Resp: 4673

Ion	Ratio	Lower	Upper
225	100		
223	61.7	0.0	121.8
227	53.0	0.0	126.8



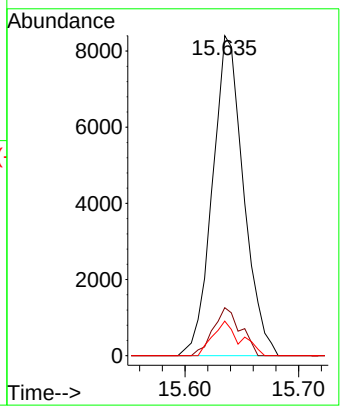


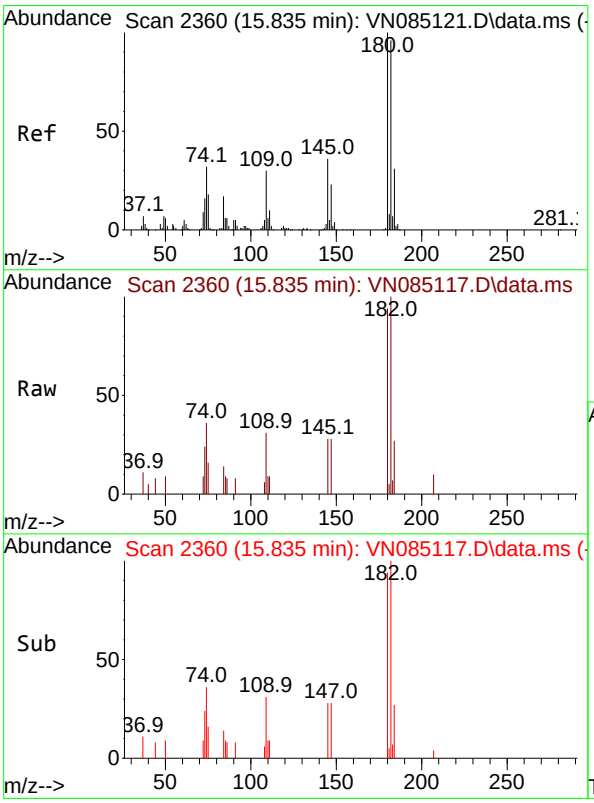
#91
Naphthalene
Concen: 3.083 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 15972

Ion	Ratio	Lower	Upper
128	100		
127	13.3	11.0	16.4
129	7.3	8.7	13.1#

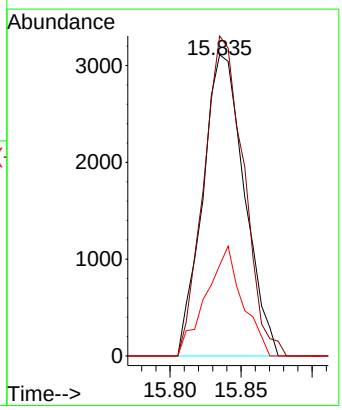




#92
1,2,3-Trichlorobenzene
Concen: 3.806 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085117.D
Acq: 06 Dec 2024 10:02

Tgt Ion:180 Resp: 6347

Ion	Ratio	Lower	Upper
180	100		
182	101.3	0.0	185.0
145	31.8	0.0	71.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085118.D
Acq On : 06 Dec 2024 10:26
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Quant Time: Dec 06 22:28:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	31263	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	162398	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	151793	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	74804	30.155	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.533%			
60) 4-Bromofluorobenzene	12.847	95	75101	29.902	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.667%			
63) Toluene-d8	10.565	98	218988	30.755	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.533%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	51416	20.557	ug/l	100
3) Chloromethane	2.359	50	43625	19.705	ug/l	100
4) Vinyl Chloride	2.512	62	44749	19.762	ug/l	100
5) Bromomethane	2.965	94	27801	19.338	ug/l	100
6) Chloroethane	3.124	64	27130	19.501	ug/l	100
7) Trichlorofluoromethane	3.500	101	72134	19.461	ug/l	100
8) Diethyl Ether	3.959	74	21832	18.596	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	40093	19.343	ug/l	100
10) 1,1-Dichloroethene	4.342	96	36518	19.181	ug/l	100
11) Methyl Iodide	4.589	142	48887	18.514	ug/l	100
12) Methyl Acetate	5.018	43	42971	19.131	ug/l	100
13) Acrolein	4.183	56	26615	81.540	ug/l	100
14) Acrylonitrile	5.718	53	87191	93.488	ug/l	100
15) Acetone	4.424	58	23800	94.168	ug/l	100
16) Carbon Disulfide	4.712	76	111875	19.659	ug/l	100
17) Allyl chloride	5.024	41	49995	18.351	ug/l	100
18) Methylene Chloride	5.271	84	41937	19.412	ug/l	100
19) trans-1,2-Dichloroethene	5.783	96	37486	18.942	ug/l	100
20) Diisopropyl ether	6.665	45	118238	19.776	ug/l	100
21) 1,1-Dichloroethane	6.565	63	71204	19.296	ug/l	100
22) cis-1,2-Dichloroethene	7.488	96	44288	19.471	ug/l	100
23) tert-Butyl Alcohol	5.512	59	30593	91.438	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	113672	19.125	ug/l	100
25) Chloroform	7.959	83	75756	19.596	ug/l	100
26) Cyclohexane	8.253	56	60954	20.061	ug/l	100
29) 1,1-Dichloropropene	8.371	75	52226	19.930	ug/l	100
30) 2-Butanone	7.483	43	117537	97.739	ug/l	100
31) 2,2-Dichloropropane	7.488	77	65781	19.575	ug/l #	100
32) 1,1,1-Trichloroethane	8.171	97	71977	20.293	ug/l	100
33) Carbon Tetrachloride	8.359	117	63567	19.861	ug/l	100
34) Benzene	8.606	78	162502	19.740	ug/l	100
35) Methacrylonitrile	7.777	41	27120	20.040	ug/l	100
36) 1,2-Dichloroethane	8.665	62	54631	19.494	ug/l	100
37) Trichloroethene	9.353	130	38555	19.667	ug/l	100
38) Methylcyclohexane	9.600	83	52032	18.261	ug/l	100
39) 1,2-Dichloropropane	9.618	63	40007	20.064	ug/l	100
40) Dibromomethane	9.706	93	28813	20.145	ug/l	100
41) Bromodichloromethane	9.882	83	60013	19.628	ug/l	100
42) Vinyl Acetate	6.600	43	404546	96.136	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085118.D
Acq On : 06 Dec 2024 10:26
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Quant Time: Dec 06 22:28:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration

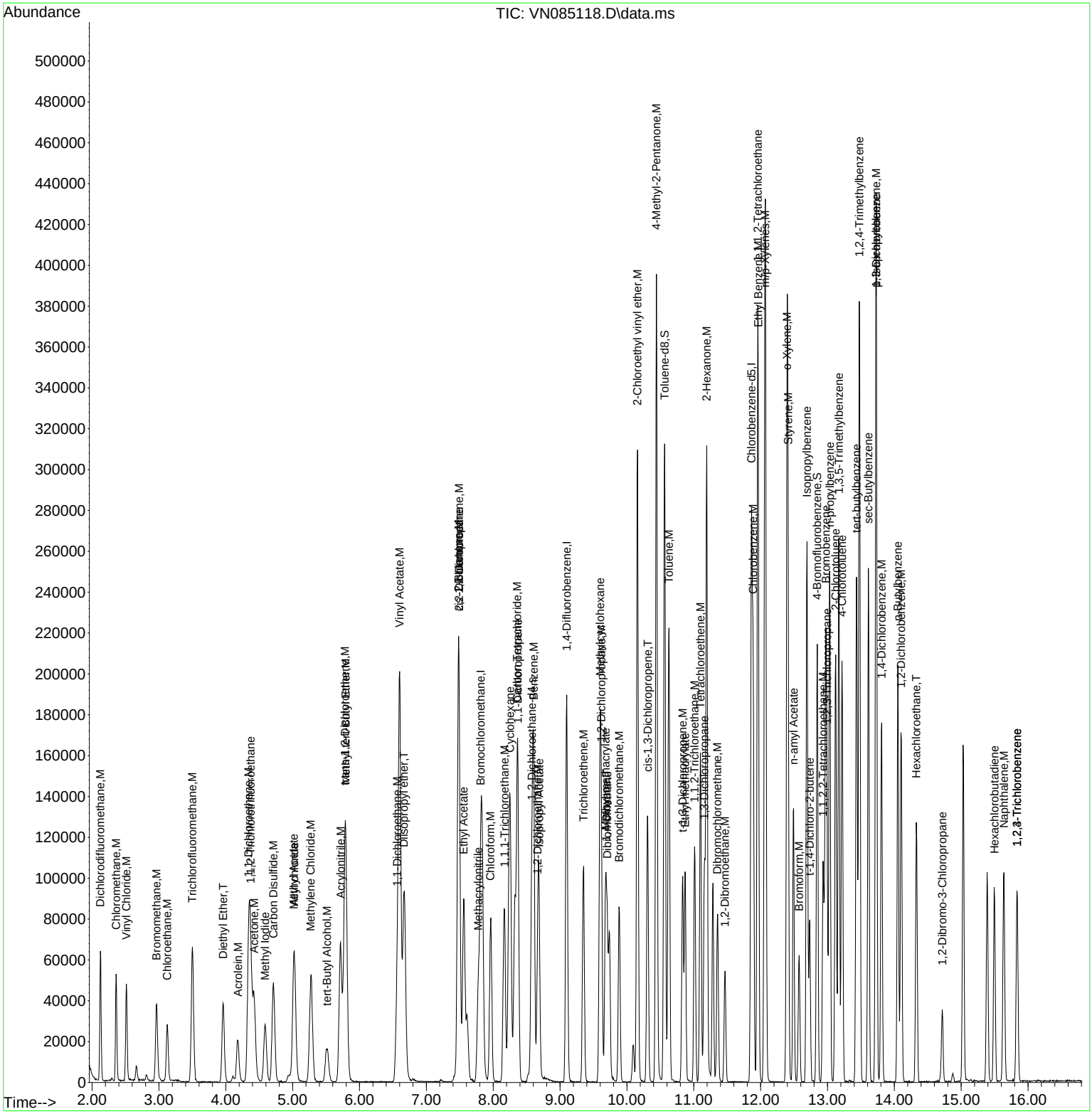
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	43730	18.276	ug/l	100
44) Isopropyl Acetate	8.688	43	80717	19.412	ug/l	100
45) 1,4-Dioxane	9.694	88	13988	403.408	ug/l	100
46) Methyl methacrylate	9.682	41	37174	19.535	ug/l	100
47) n-amyl Acetate	12.494	43	67009	19.154	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	55998	18.657	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	63845	19.540	ug/l	100
50) 1,1,2-Trichloroethane	11.012	97	38466	19.958	ug/l	100
51) Ethyl methacrylate	10.871	69	54805	18.696	ug/l	100
52) 1,3-Dichloropropane	11.159	76	63330	19.634	ug/l	100
53) Dibromochloromethane	11.353	129	46068	19.614	ug/l	100
54) 1,2-Dibromoethane	11.465	107	37625	19.376	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	133977	98.387	ug/l	100
56) Bromoform	12.576	173	29780	18.911	ug/l	100
58) 4-Methyl-2-Pentanone	10.441	43	249951	100.896	ug/l	100
59) 2-Hexanone	11.194	43	190003	101.223	ug/l	100
61) Tetrachloroethene	11.100	164	36183	19.684	ug/l	100
62) Toluene	10.629	91	173344	19.581	ug/l	100
64) Chlorobenzene	11.888	112	106855	19.550	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	38831	19.032	ug/l	100
66) Ethyl Benzene	11.965	91	176006	18.737	ug/l	100
67) m/p-Xylenes	12.070	106	144263	39.929	ug/l	100
68) o-Xylene	12.394	106	65568	19.324	ug/l	100
69) Styrene	12.412	104	111060	19.289	ug/l	100
70) Isopropylbenzene	12.694	105	167624	19.153	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	53829	20.208	ug/l	100
72) 1,2,3-Trichloropropane	12.994	75	68245	25.935	ug/l	74
73) Bromobenzene	12.976	156	42513	19.393	ug/l	100
74) n-propylbenzene	13.035	91	204446	19.431	ug/l	100
75) 2-Chlorotoluene	13.123	91	128581	19.766	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	145824	19.449	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	18073	18.901	ug/l	100
78) 4-Chlorotoluene	13.217	91	127680	19.337	ug/l	100
79) tert-butylbenzene	13.435	119	118752	19.283	ug/l	100
80) 1,2,4-Trimethylbenzene	13.476	105	144579	19.521	ug/l	100
81) sec-Butylbenzene	13.612	105	168895	19.304	ug/l	100
82) p-Isopropyltoluene	13.729	119	138833	19.140	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	77464	19.261	ug/l	100
84) 1,4-Dichlorobenzene	13.812	146	75083	19.156	ug/l	100
85) n-Butylbenzene	14.053	91	109819	18.049	ug/l	100
86) Hexachloroethane	14.329	117	27795	19.248	ug/l	100
87) 1,2-Dichlorobenzene	14.100	146	72993	19.228	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10448	19.634	ug/l	100
89) 1,2,4-Trichlorobenzene	15.835	180	34577	18.598	ug/l	100
90) Hexachlorobutadiene	15.500	225	18570	19.222	ug/l	100
91) Naphthalene	15.641	128	98254	17.011	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	34577	18.598	ug/l	100

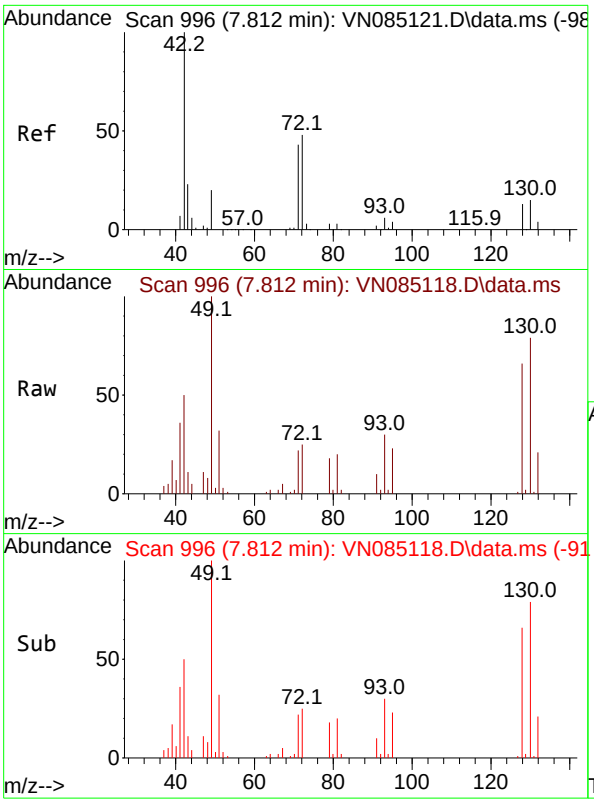
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085118.D
Acq On : 06 Dec 2024 10:26
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Quant Time: Dec 06 22:28:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration



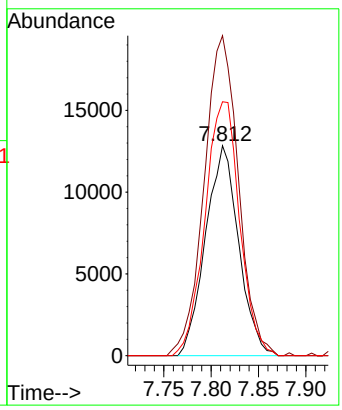


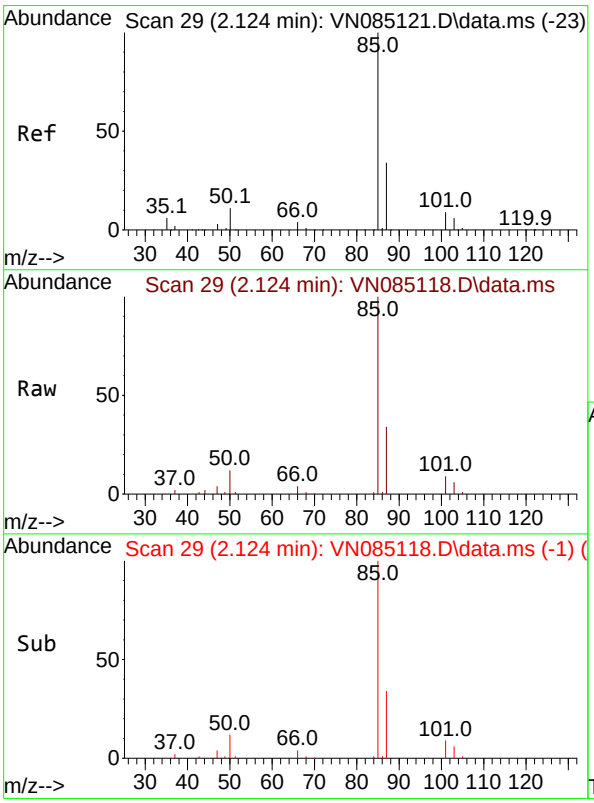
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:128 Resp: 31263

Ion	Ratio	Lower	Upper
128	100		
49	157.8	0.0	394.5
130	126.6	0.0	316.5

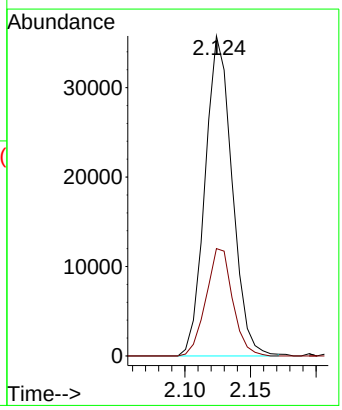


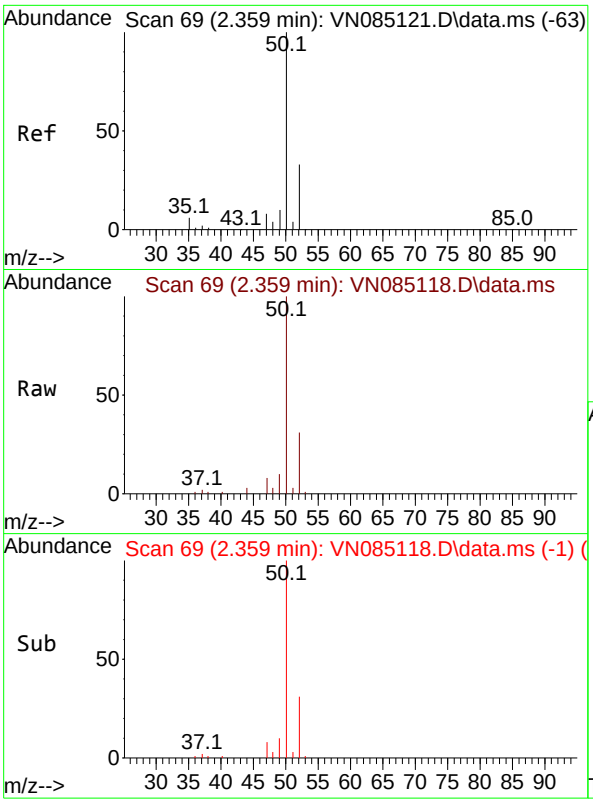


#2
Dichlorodifluoromethane
Concen: 20.557 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 85 Resp: 51416

Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.8	50.3



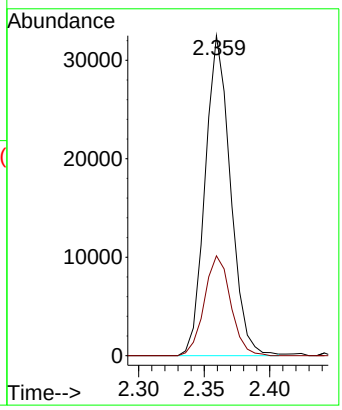


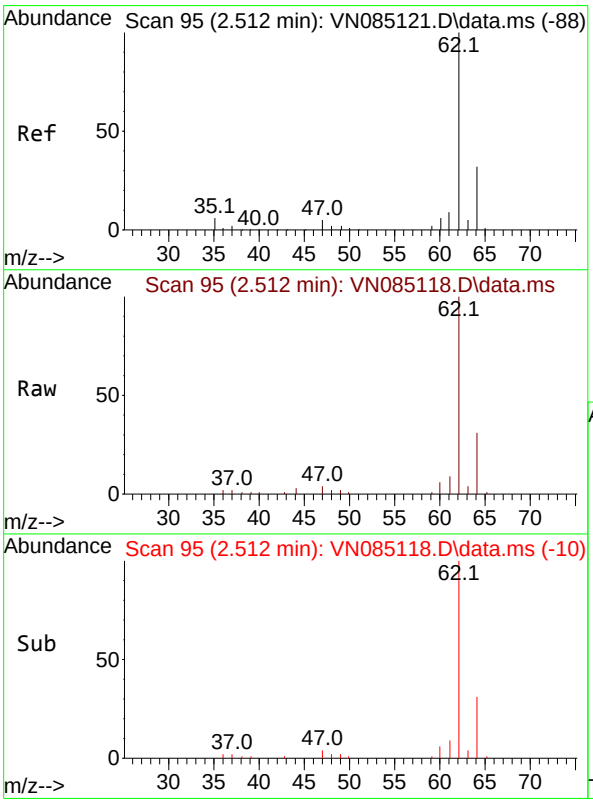
#3
Chloromethane
Concen: 19.705 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 50 Resp: 43625

Ion	Ratio	Lower	Upper
50	100		
52	31.2	25.0	37.4

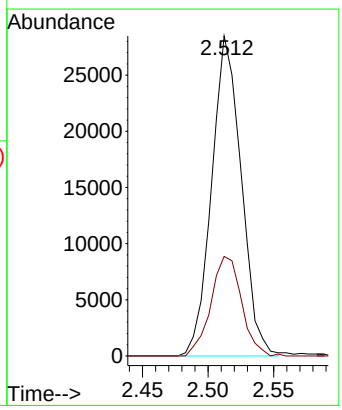


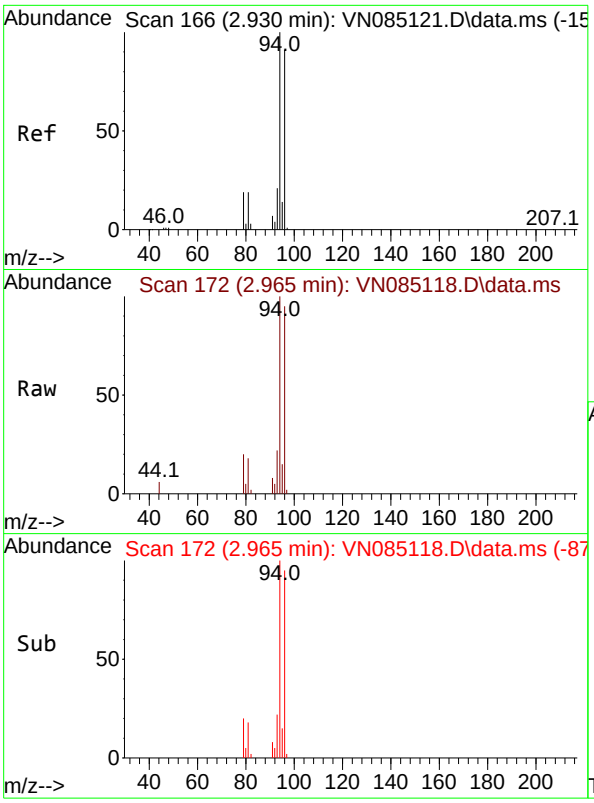


#4
Vinyl Chloride
Concen: 19.762 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 62 Resp: 44749

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3



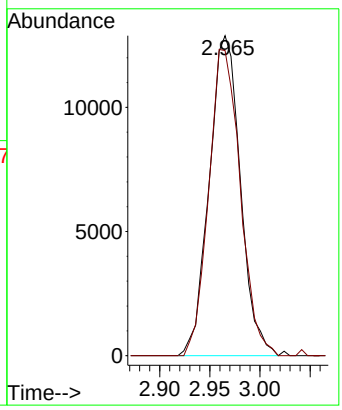


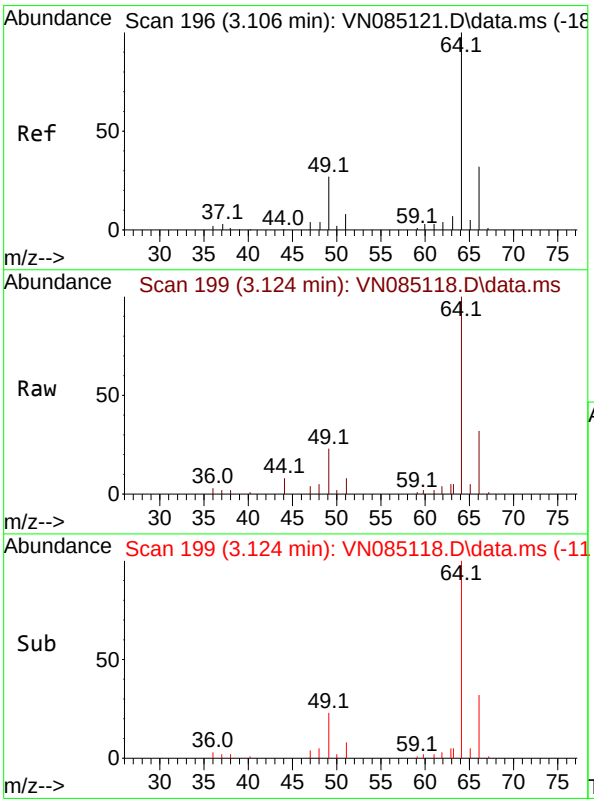
#5
Bromomethane
Concen: 19.338 ug/l
RT: 2.965 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 94 Resp: 27801

Ion	Ratio	Lower	Upper
94	100		
96	95.3	76.2	114.4

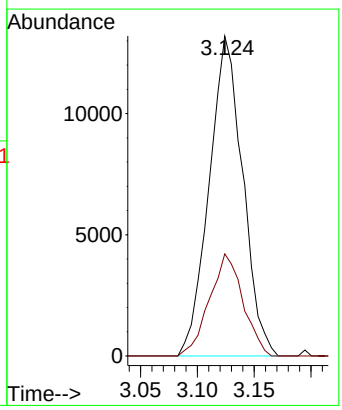


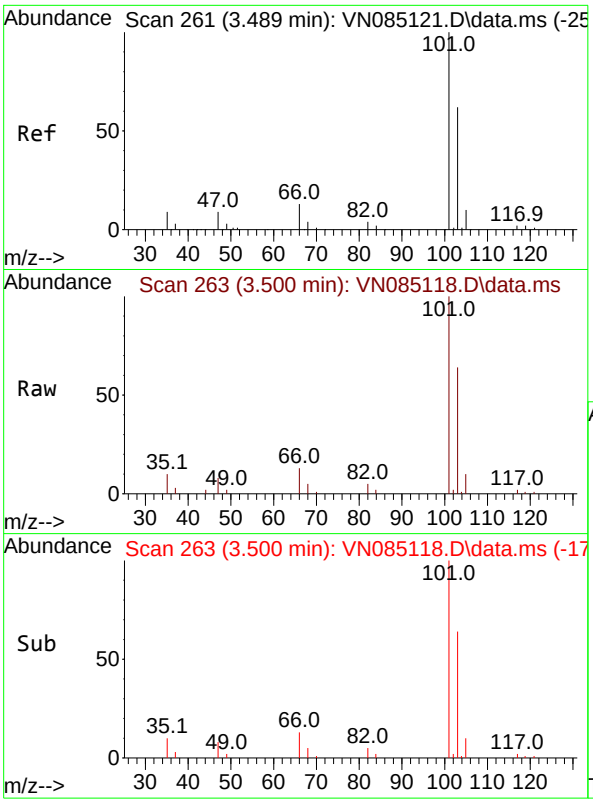


#6
Chloroethane
Concen: 19.501 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 64 Resp: 27130

Ion	Ratio	Lower	Upper
64	100		
66	31.9	25.5	38.3



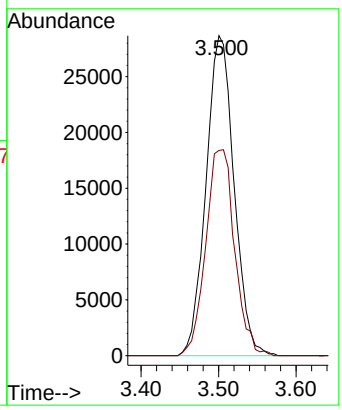


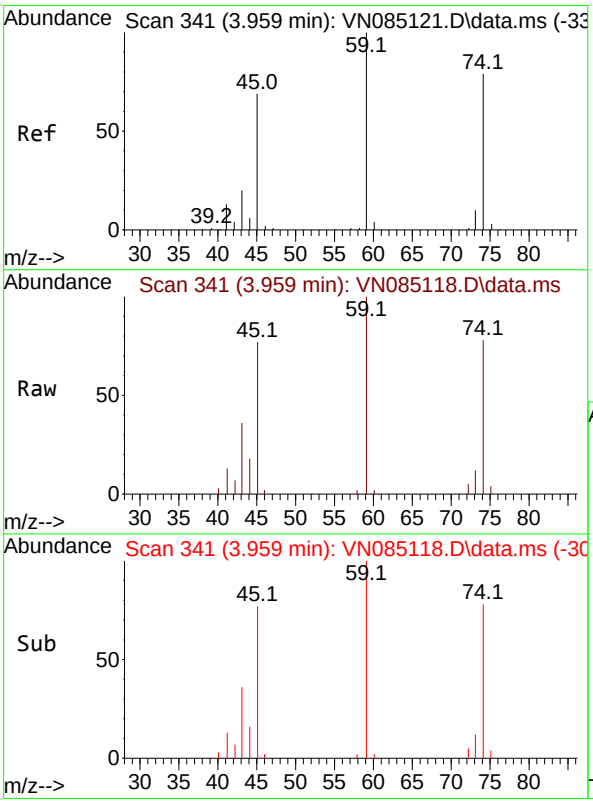
#7
Trichlorofluoromethane
Concen: 19.461 ug/l
RT: 3.500 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:101 Resp: 72134

Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.3	76.9

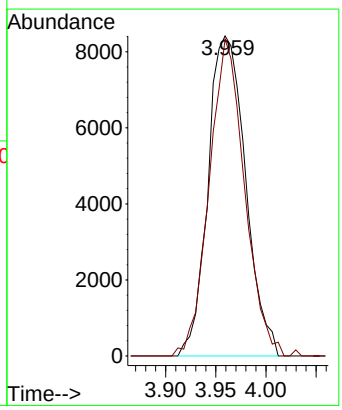


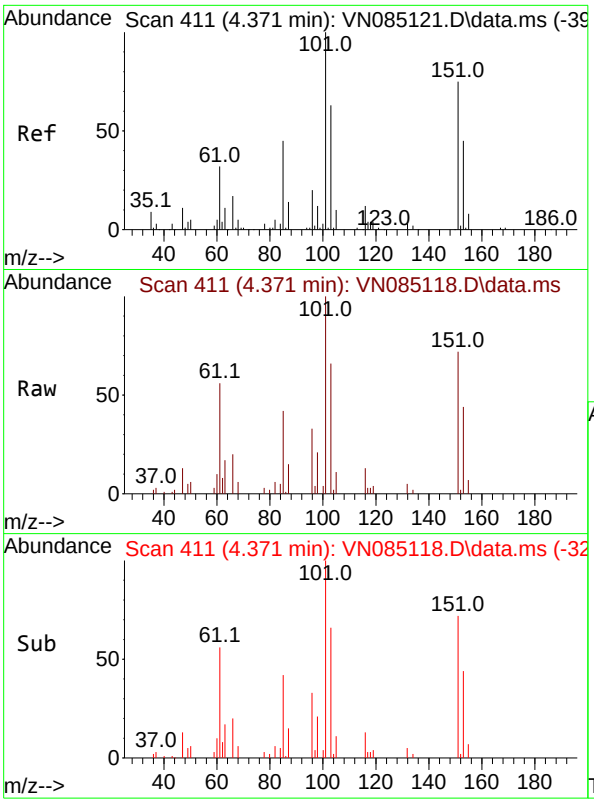


#8
Diethyl Ether
Concen: 18.596 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 74 Resp: 21832

Ion	Ratio	Lower	Upper
74	100		
45	93.2	18.6	167.8



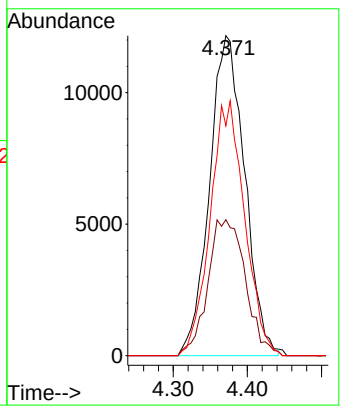


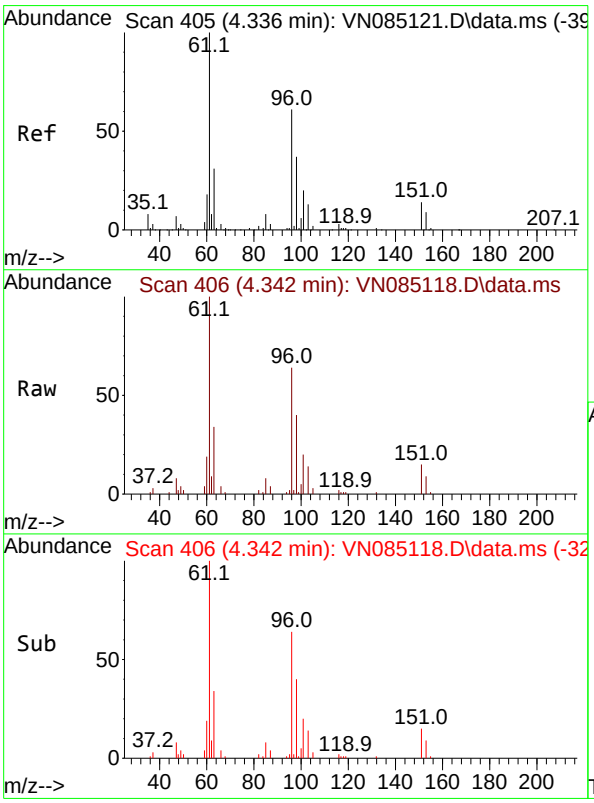
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.343 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:101 Resp: 40093

Ion	Ratio	Lower	Upper
101	100		
85	44.3	0.0	88.6
151	77.9	0.0	155.8

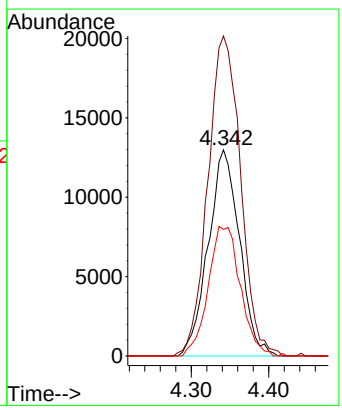


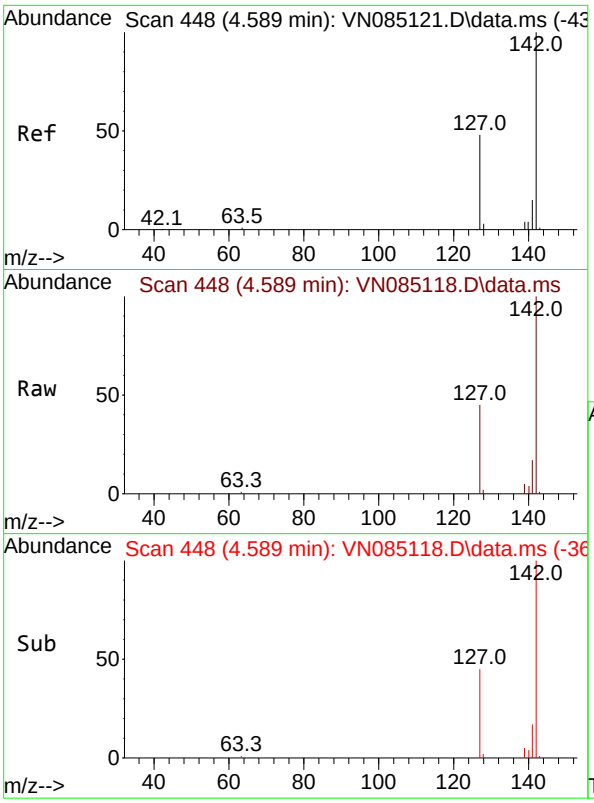


#10
1,1-Dichloroethene
Concen: 19.181 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 96 Resp: 36518

Ion	Ratio	Lower	Upper
96	100		
61	153.7	123.0	184.4
98	61.4	49.1	73.7



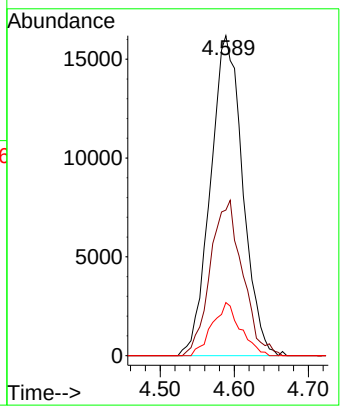


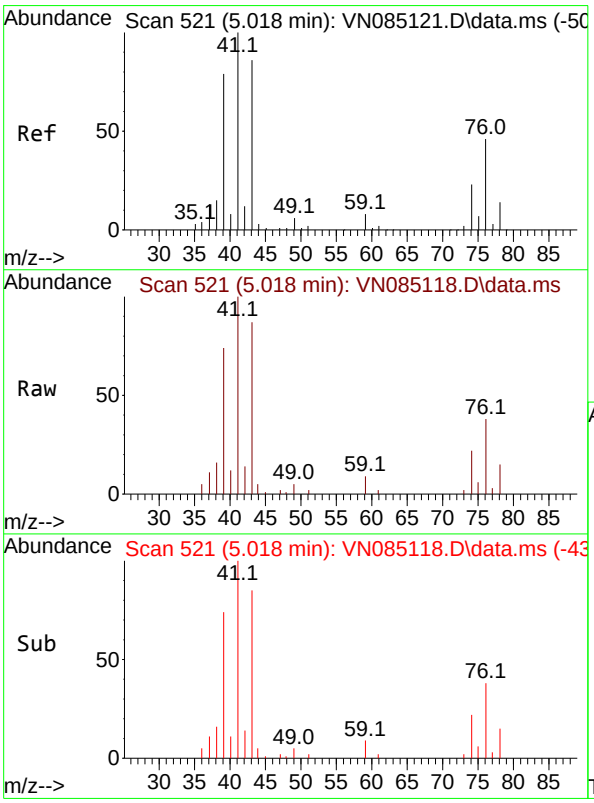
#11
Methyl Iodide
Concen: 18.514 ug/l
RT: 4.589 min Scan# 44
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:142 Resp: 48887

Ion	Ratio	Lower	Upper
142	100		
127	45.0	22.5	67.5
141	16.6	8.3	24.9

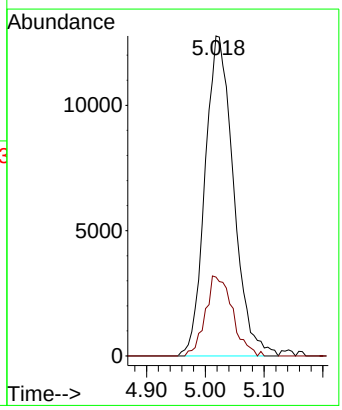


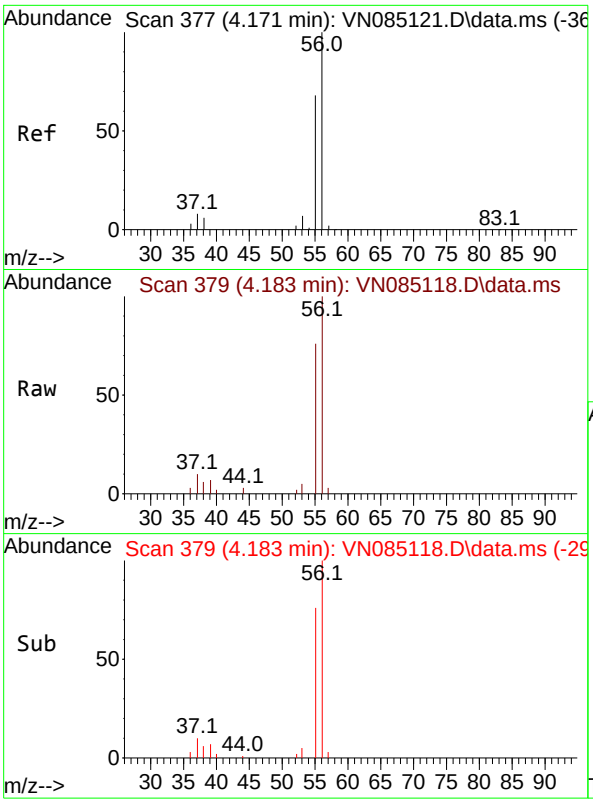


#12
Methyl Acetate
Concen: 19.131 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 43 Resp: 42971

Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.8	29.6



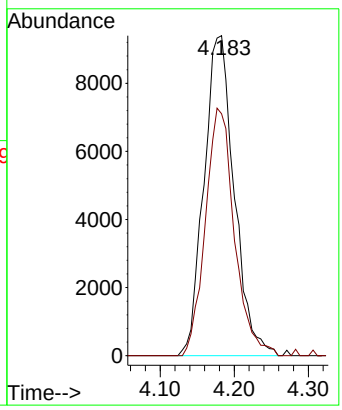


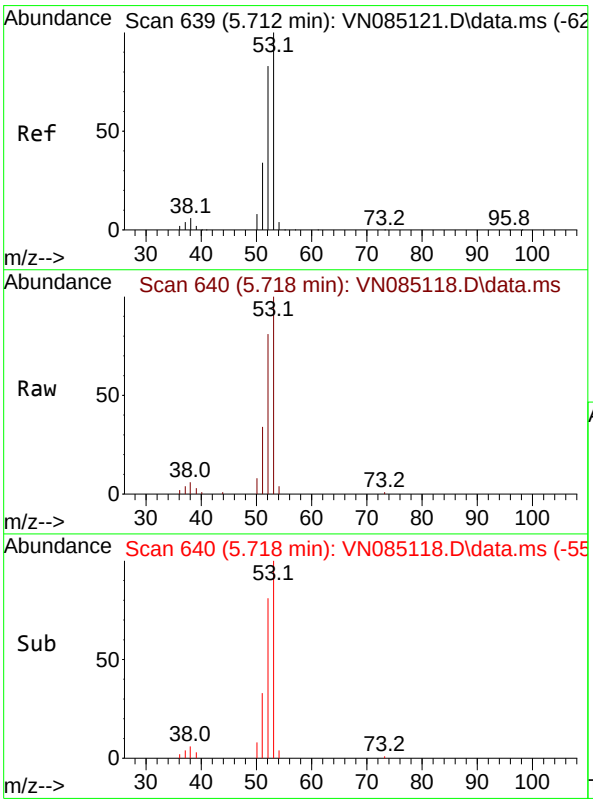
#13
Acrolein
Concen: 81.540 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 56 Resp: 26615

Ion	Ratio	Lower	Upper
56	100		
55	74.2	59.4	89.0

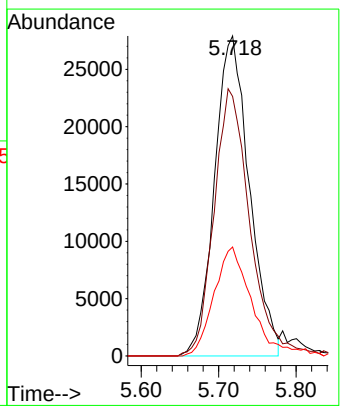


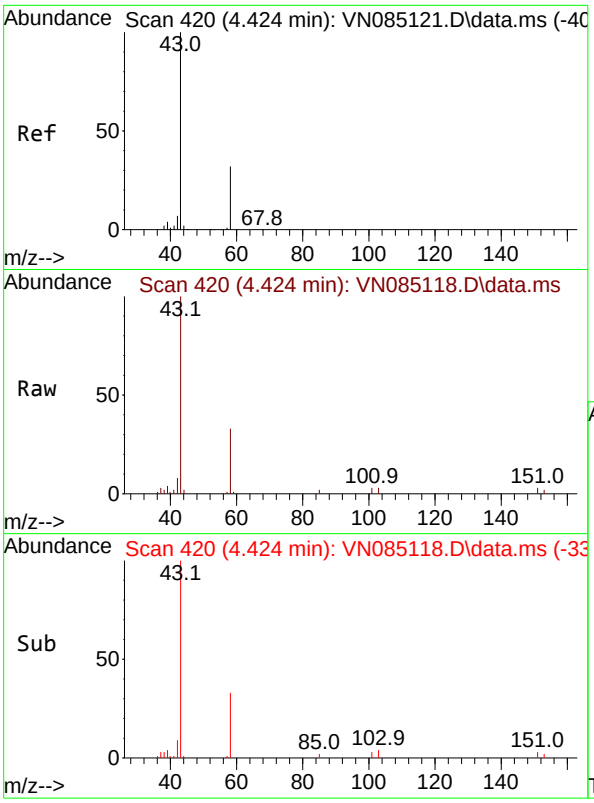


#14
Acrylonitrile
Concen: 93.488 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 53 Resp: 87191

Ion	Ratio	Lower	Upper
53	100		
52	85.7	42.9	128.5
51	34.3	17.2	51.5



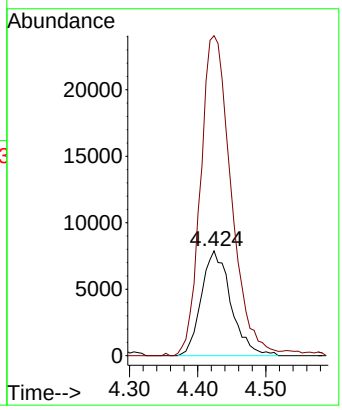


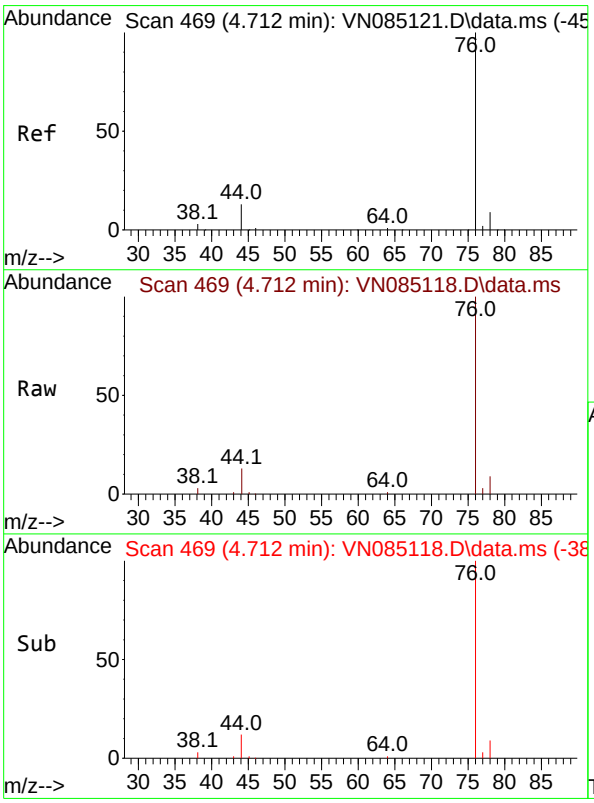
#15
Acetone
Concen: 94.168 ug/l
RT: 4.424 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 58 Resp: 23800

Ion	Ratio	Lower	Upper
58	100		
43	302.9	242.3	363.5

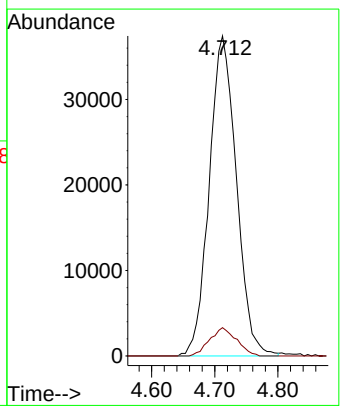


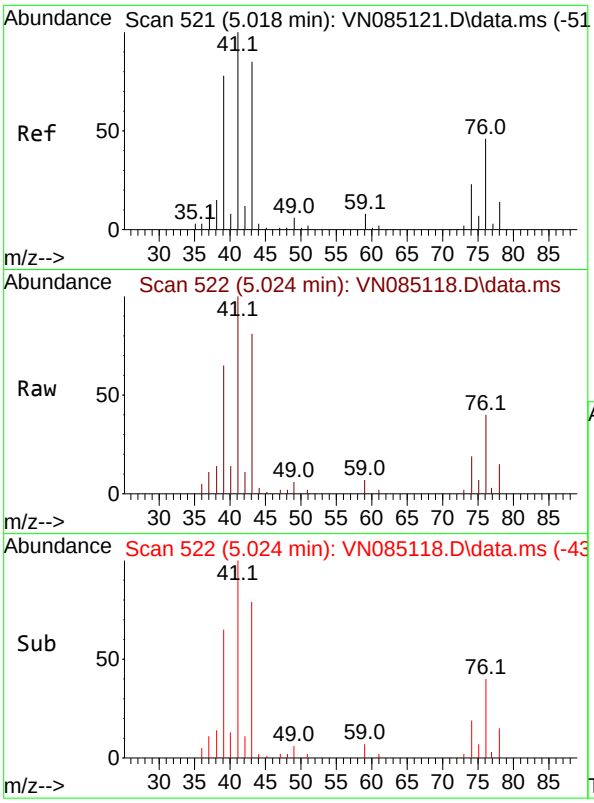


#16
Carbon Disulfide
Concen: 19.659 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 76 Resp: 111875

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7



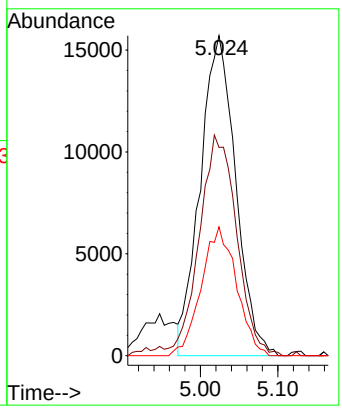


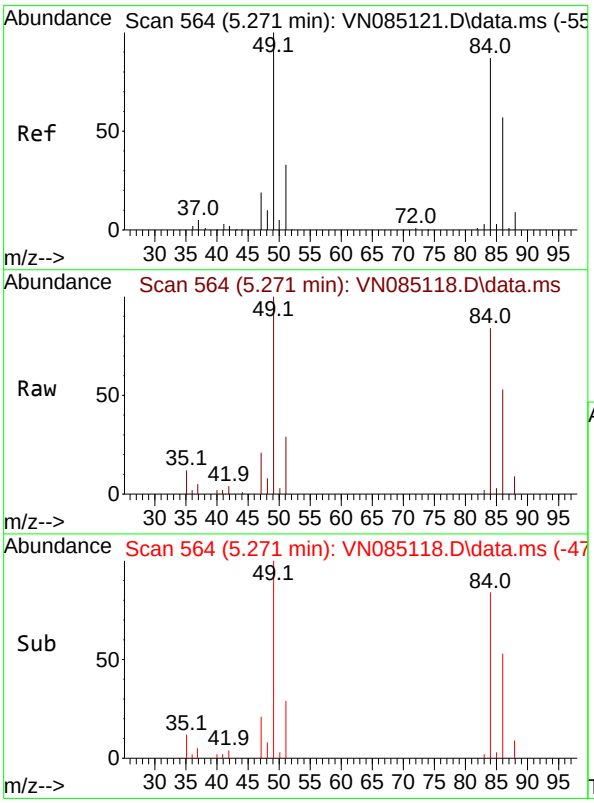
#17
Allyl chloride
Concen: 18.351 ug/l
RT: 5.024 min Scan# 5
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 41 Resp: 49995

Ion	Ratio	Lower	Upper
41	100		
39	64.1	32.0	96.2
76	40.3	20.2	60.5

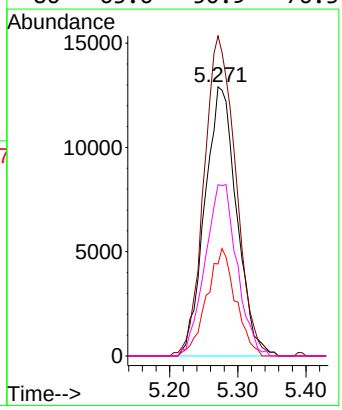


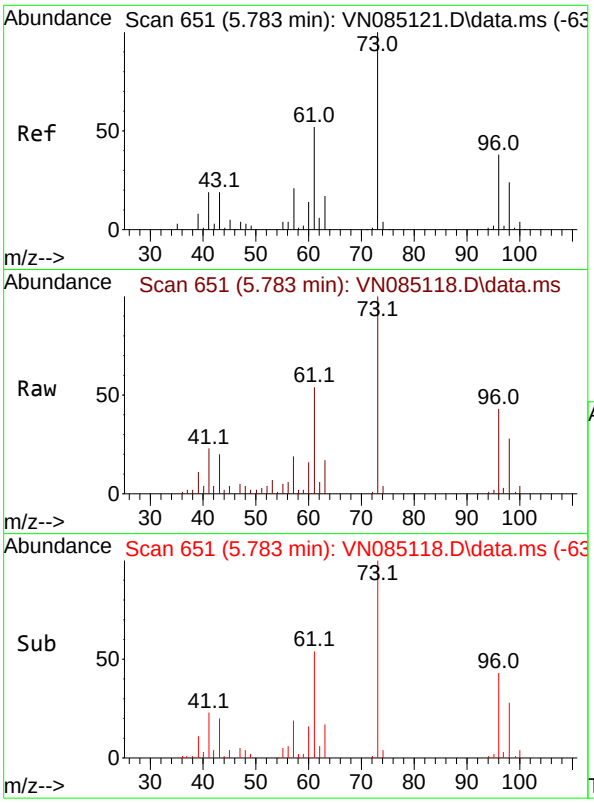


#18
Methylene Chloride
Concen: 19.412 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 84 Resp: 41937

Ion	Ratio	Lower	Upper
84	100		
49	118.9	95.1	142.7
51	34.2	27.4	41.0
86	63.6	50.9	76.3



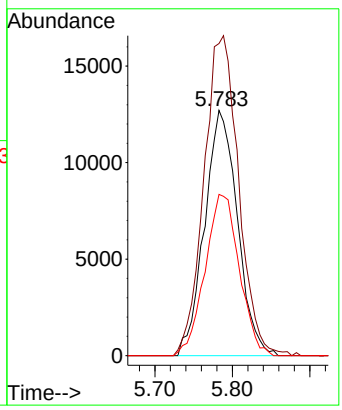


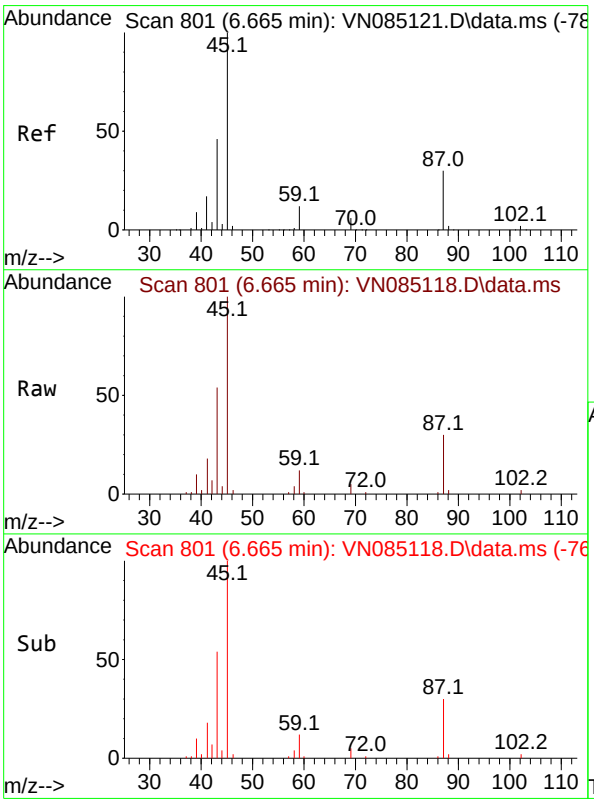
#19
trans-1,2-Dichloroethene
Concen: 18.942 ug/l
RT: 5.783 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 96 Resp: 37486

Ion	Ratio	Lower	Upper
96	100		
61	125.5	100.4	150.6
98	65.8	52.6	79.0

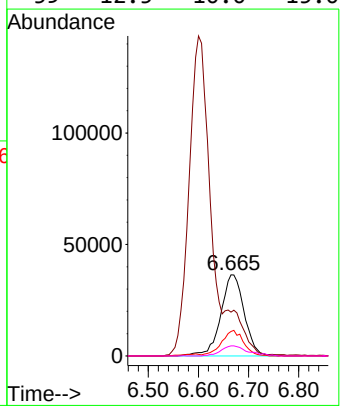


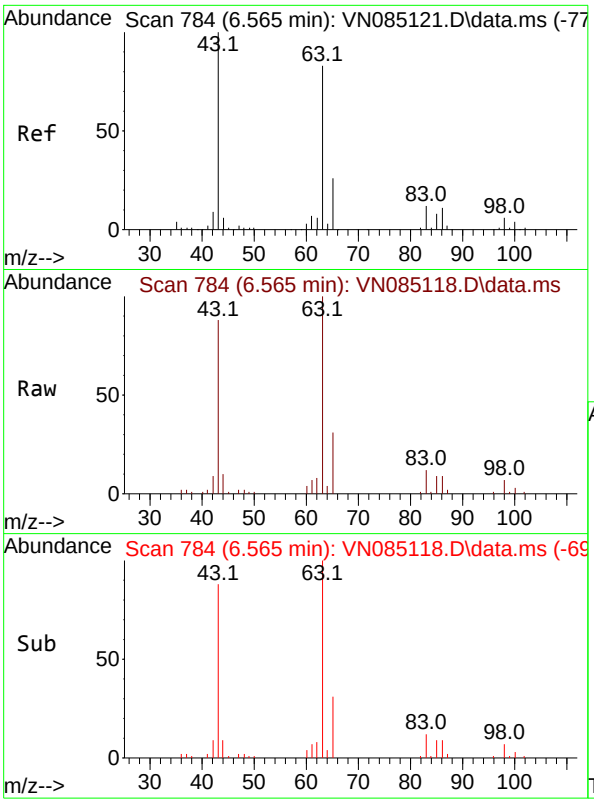


#20
Diisopropyl ether
Concen: 19.776 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 45 Resp: 118238

Ion	Ratio	Lower	Upper
45	100		
43	52.4	41.9	62.9
87	30.1	24.1	36.1
59	12.5	10.0	15.0



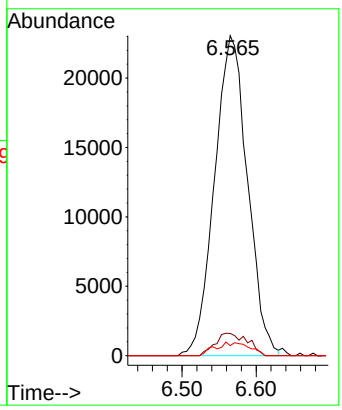


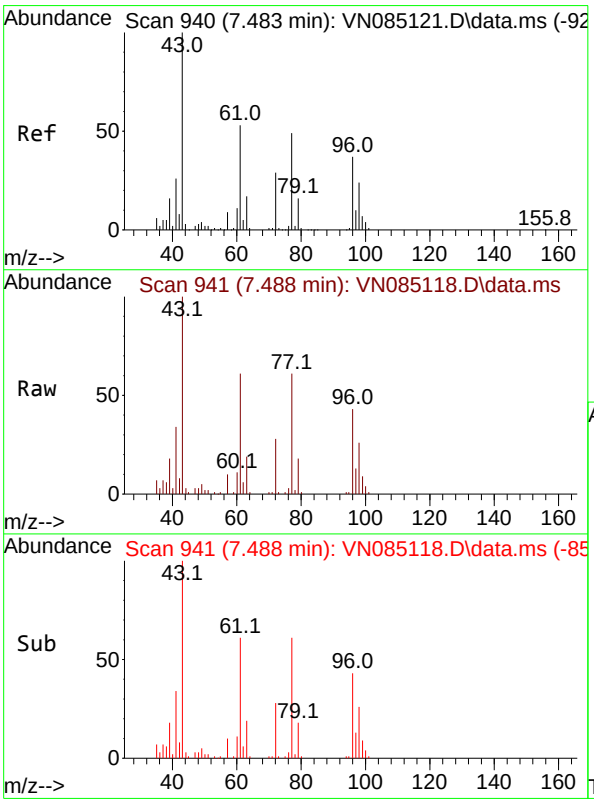
#21
1,1-Dichloroethane
Concen: 19.296 ug/l
RT: 6.565 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 63 Resp: 71204

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.4
100	3.2	1.6	4.8

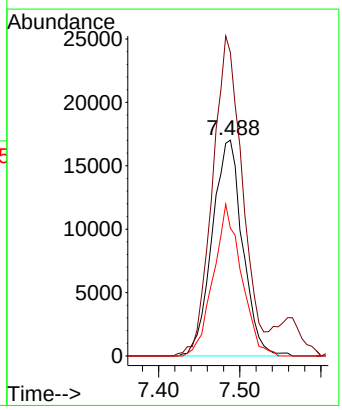


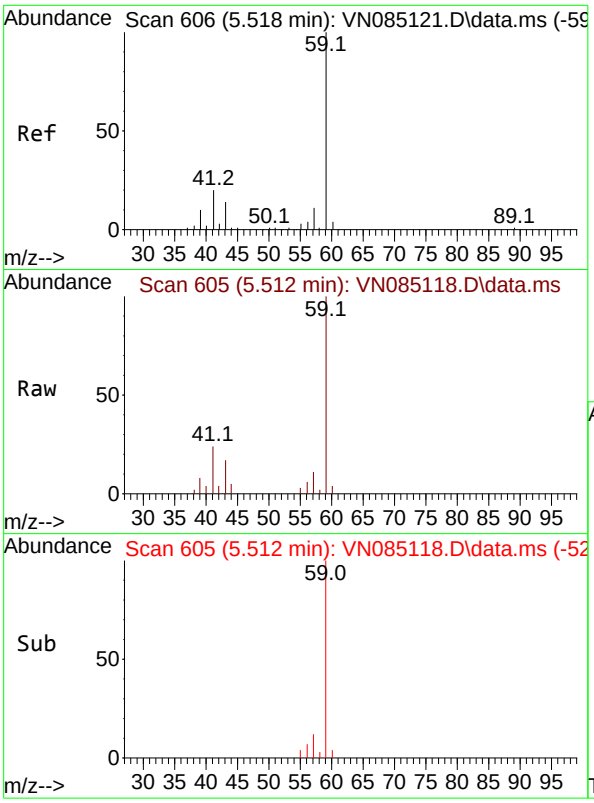


#22
cis-1,2-Dichloroethene
Concen: 19.471 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 96 Resp: 44288

Ion	Ratio	Lower	Upper
96	100		
61	144.9	115.9	173.9
98	64.8	51.8	77.8



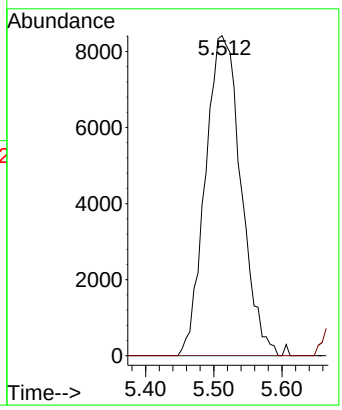


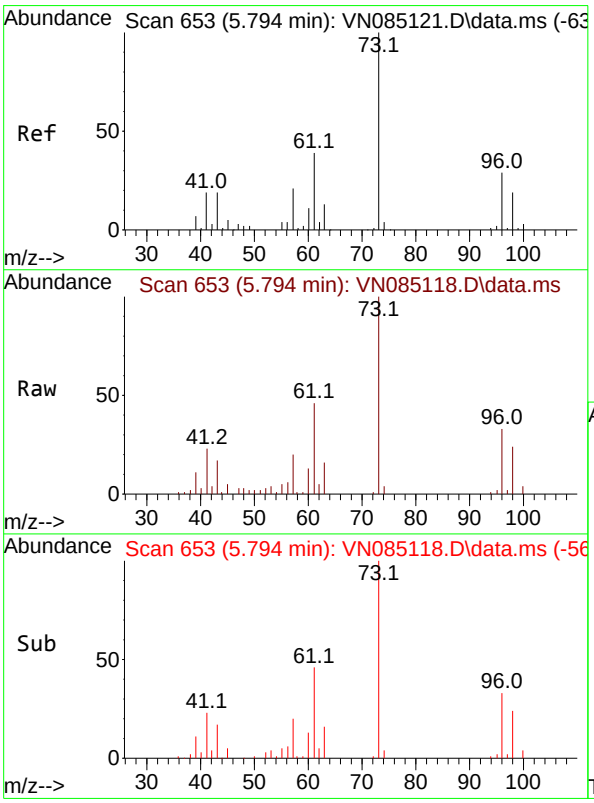
#23
tert-Butyl Alcohol
Concen: 91.438 ug/l
RT: 5.512 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 59 Resp: 30593

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

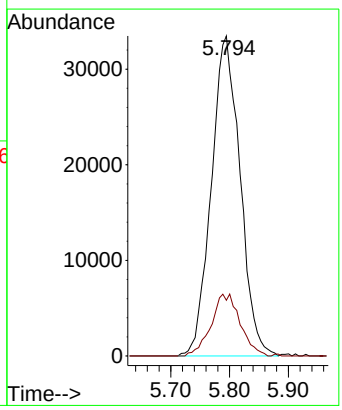


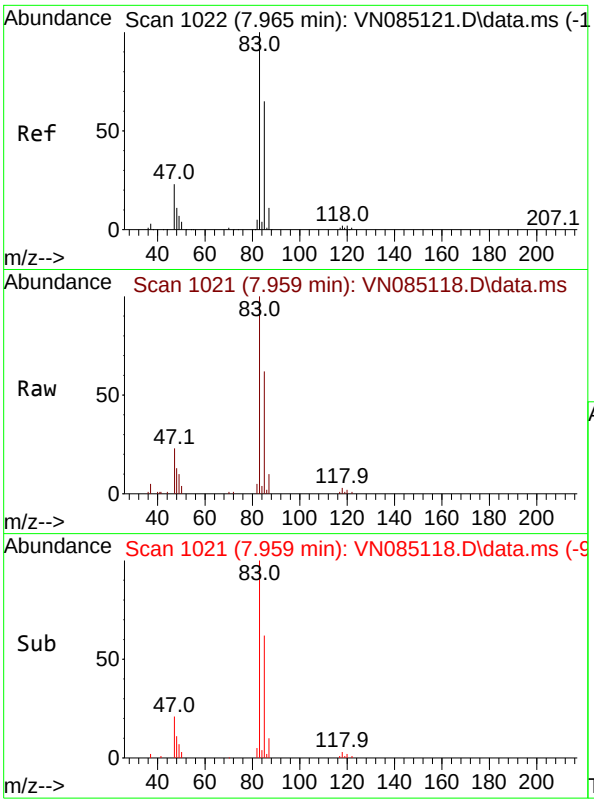


#24
Methyl tert-Butyl Ether
Concen: 19.125 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 73 Resp: 113672

Ion	Ratio	Lower	Upper
73	100		
43	10.9	8.7	13.1



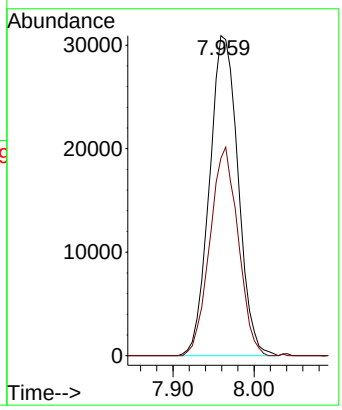


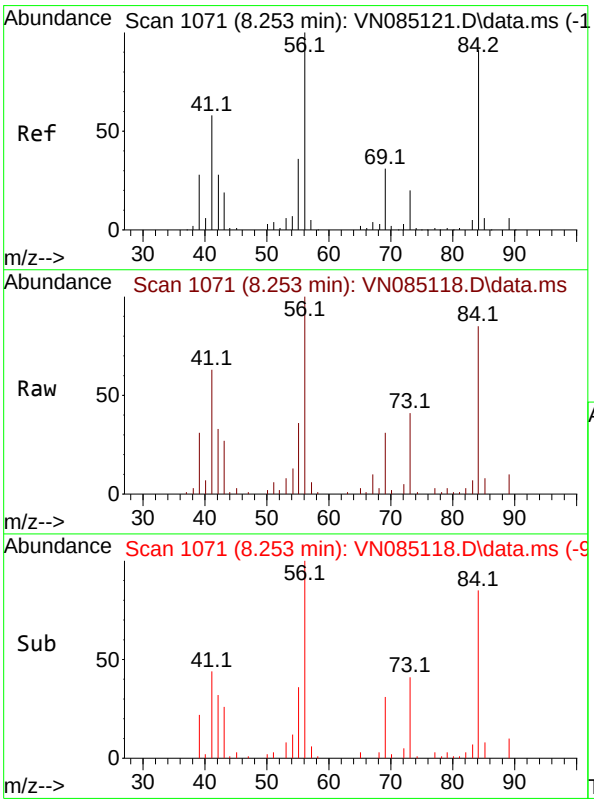
#25
Chloroform
Concen: 19.596 ug/l
RT: 7.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 83 Resp: 75756

Ion	Ratio	Lower	Upper
83	100		
85	61.7	49.4	74.0

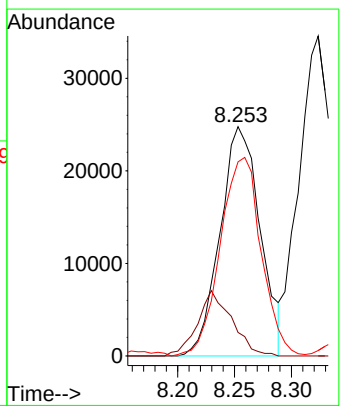


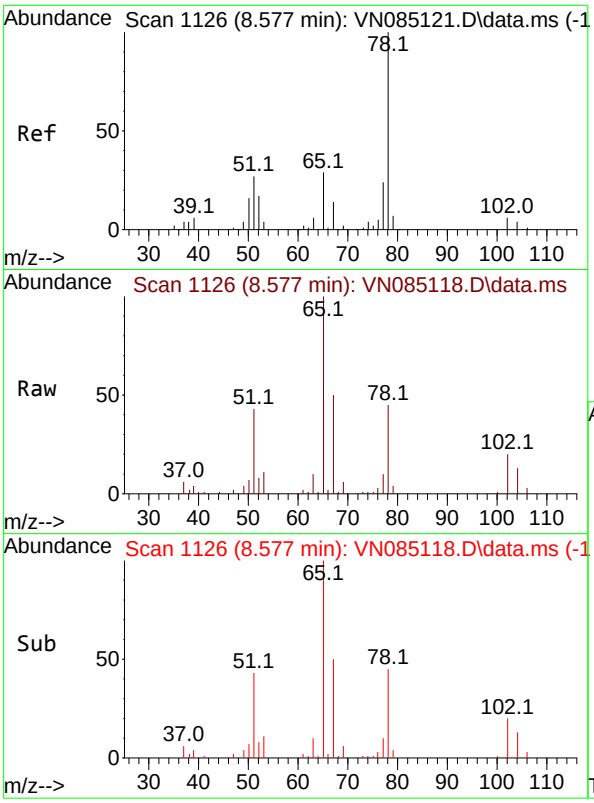


#26
Cyclohexane
Concen: 20.061 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 56 Resp: 60954

Ion	Ratio	Lower	Upper
56	100		
89	24.4	19.5	29.3
84	88.2	70.6	105.8



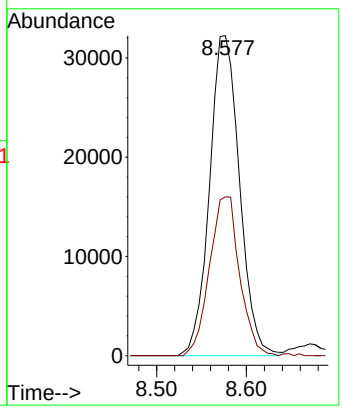


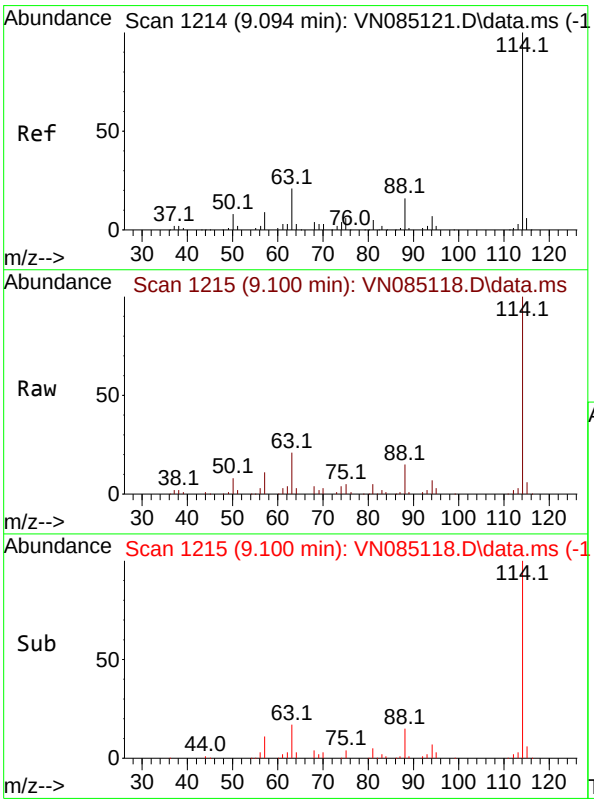
#27
1,2-Dichloroethane-d4
Concen: 30.155 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 65 Resp: 74804

Ion	Ratio	Lower	Upper
65	100		
67	49.9	39.9	59.9

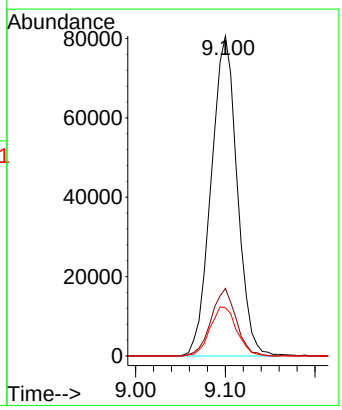


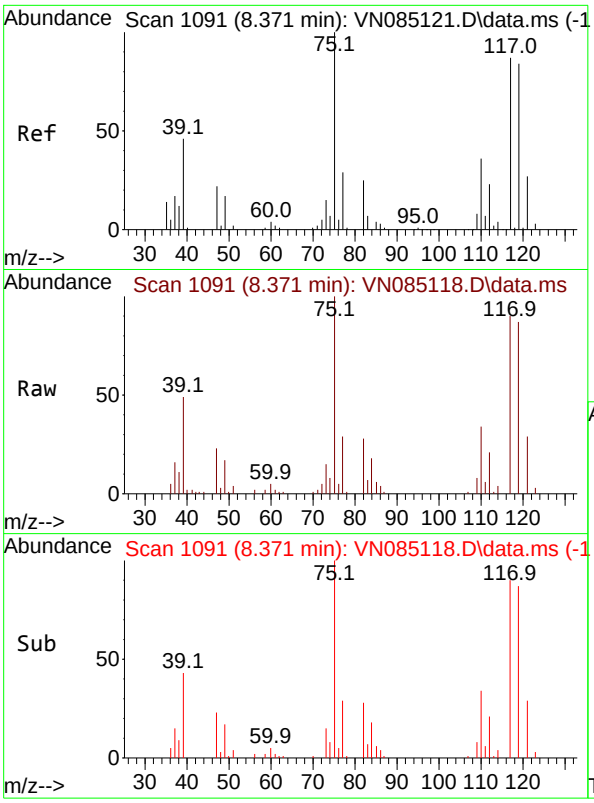


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:114 Resp: 162398

Ion	Ratio	Lower	Upper
114	100		
63	20.2	16.2	24.2
88	15.6	12.5	18.7



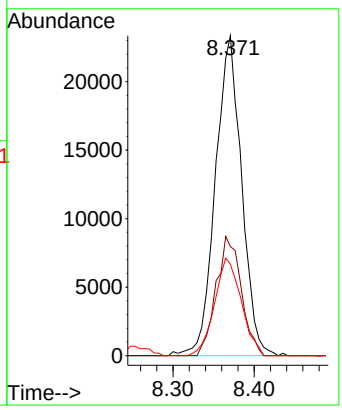


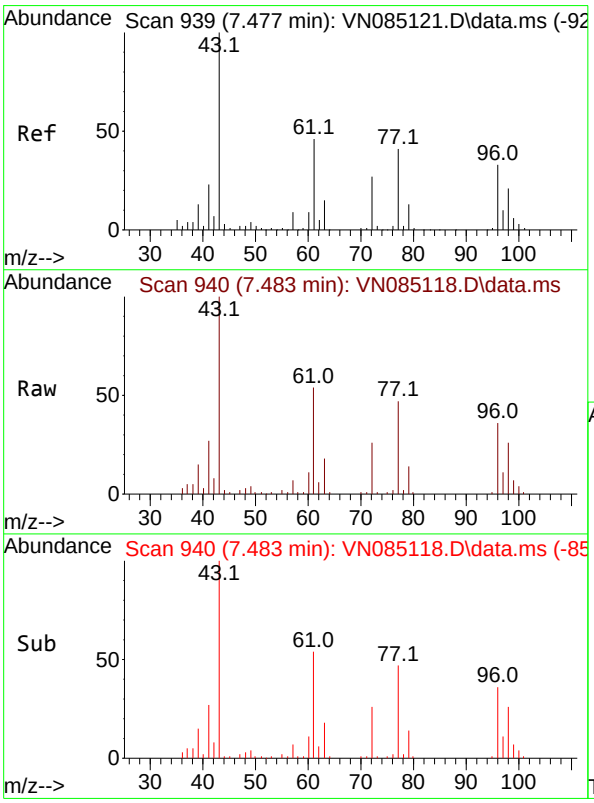
#29
1,1-Dichloropropene
Concen: 19.930 ug/l
RT: 8.371 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 75 Resp: 52226

Ion	Ratio	Lower	Upper
75	100		
110	35.8	0.0	71.6
77	31.1	0.0	62.2

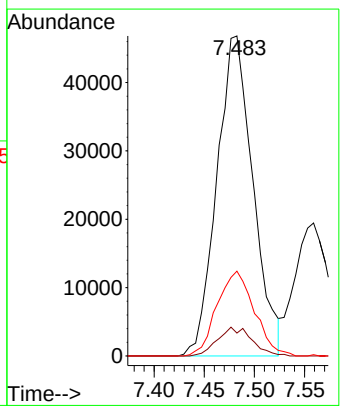


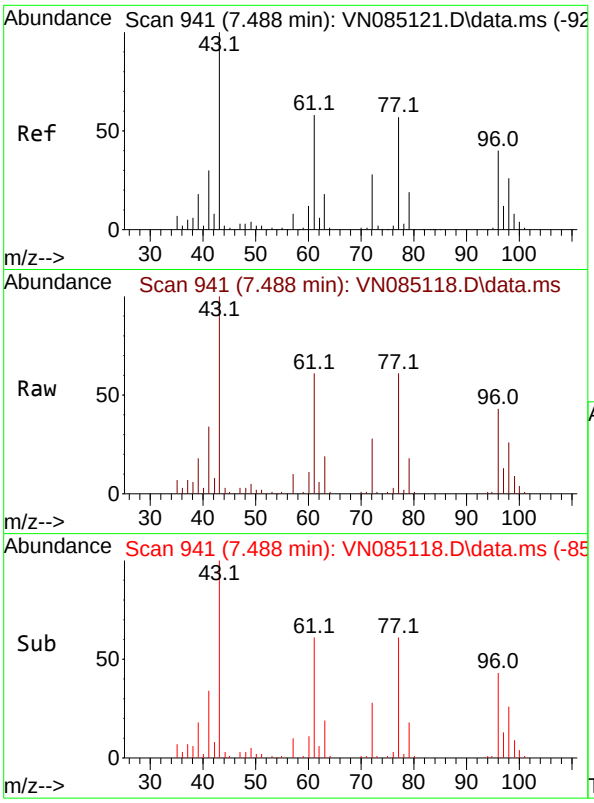


#30
2-Butanone
Concen: 97.739 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 43 Resp: 117537

Ion	Ratio	Lower	Upper
43	100		
57	8.6	6.9	10.3
72	27.3	21.8	32.8



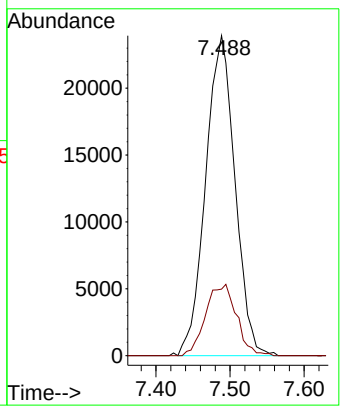


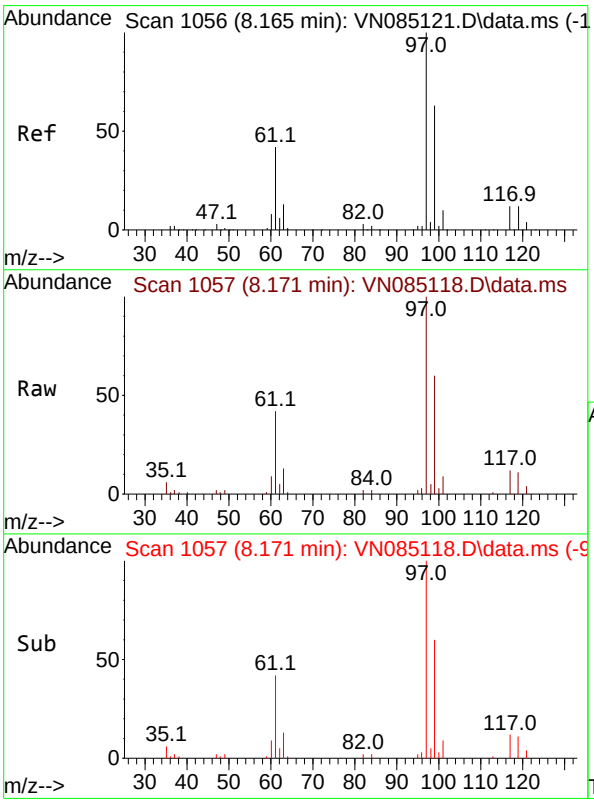
#31
2,2-Dichloropropane
Concen: 19.575 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 77 Resp: 65781

Ion	Ratio	Lower	Upper
77	100		
97	0.0	0.0	0.0

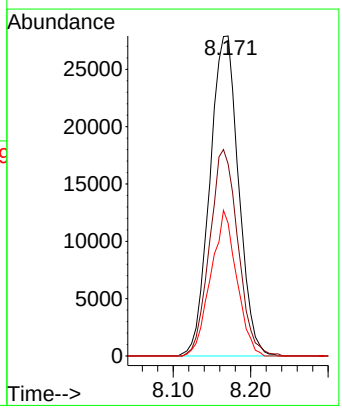


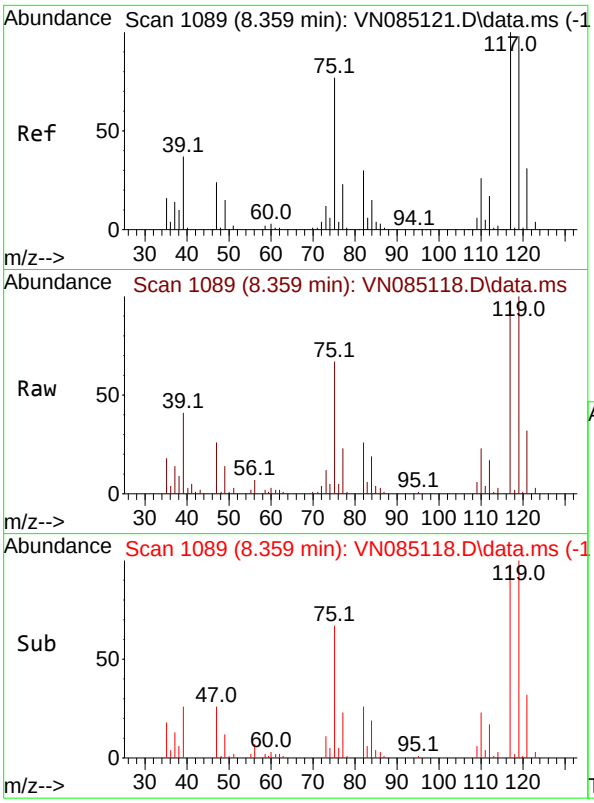


#32
1,1,1-Trichloroethane
Concen: 20.293 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 97 Resp: 71977

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.8	76.2
61	40.9	32.7	49.1



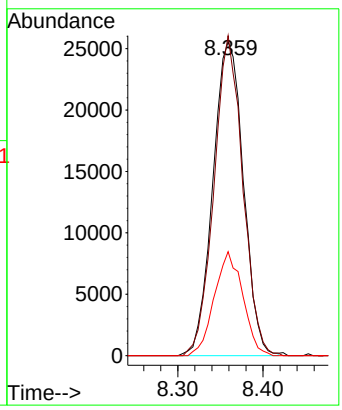


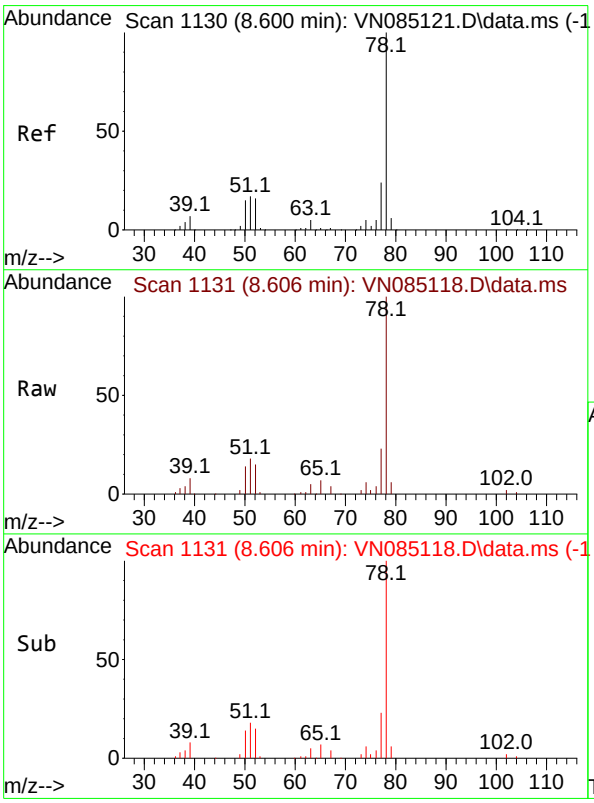
#33
Carbon Tetrachloride
Concen: 19.861 ug/l
RT: 8.359 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:117 Resp: 63567

Ion	Ratio	Lower	Upper
117	100		
119	102.0	81.6	122.4
121	33.1	26.5	39.7

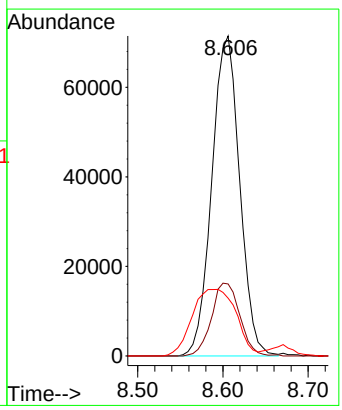


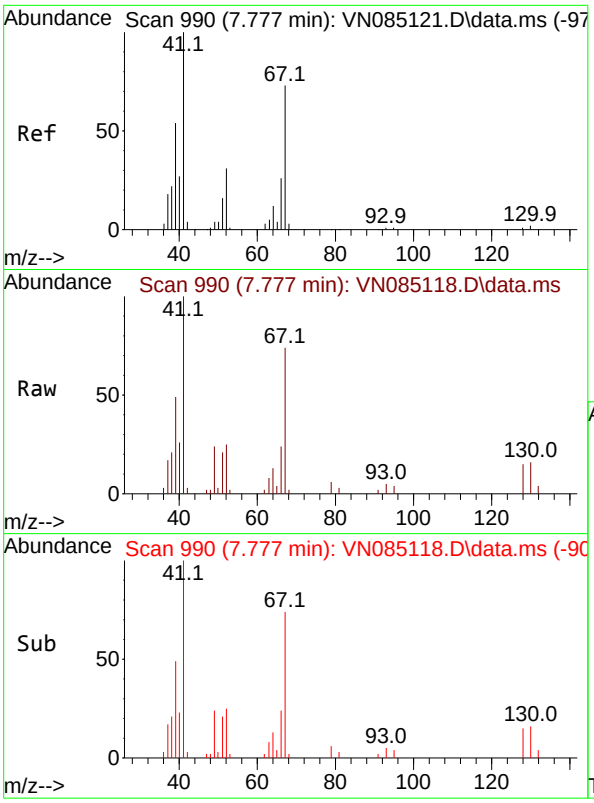


#34
Benzene
Concen: 19.740 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 78 Resp: 162502

Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.0	27.0
51	15.5	12.4	18.6



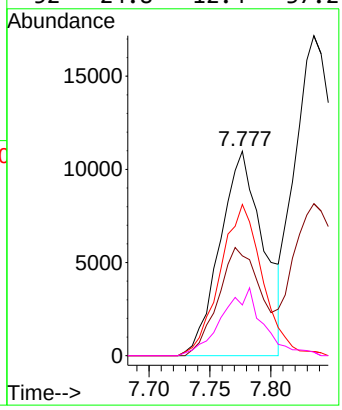


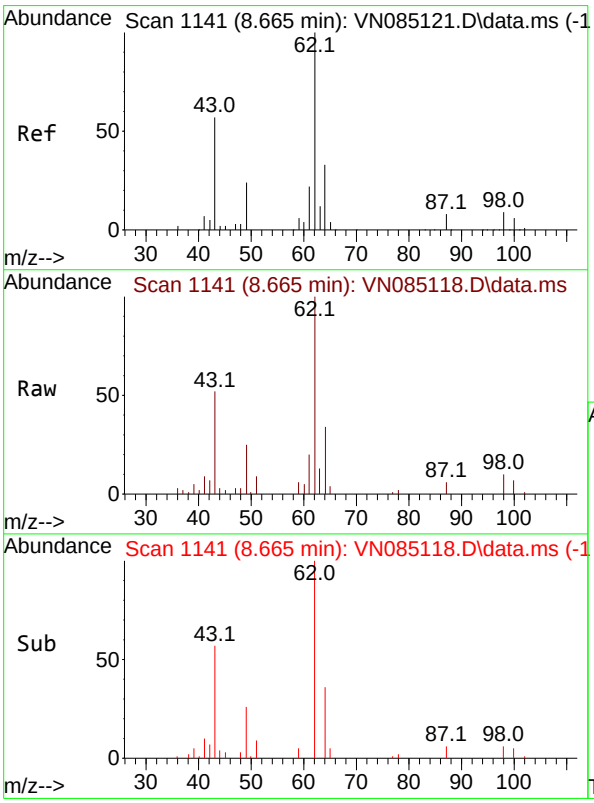
#35
Methacrylonitrile
Concen: 20.040 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 41 Resp: 27120

Ion	Ratio	Lower	Upper
41	100		
39	48.8	24.4	73.2
67	73.9	37.0	110.9
52	24.8	12.4	37.2

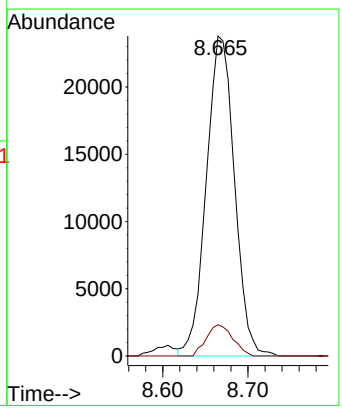


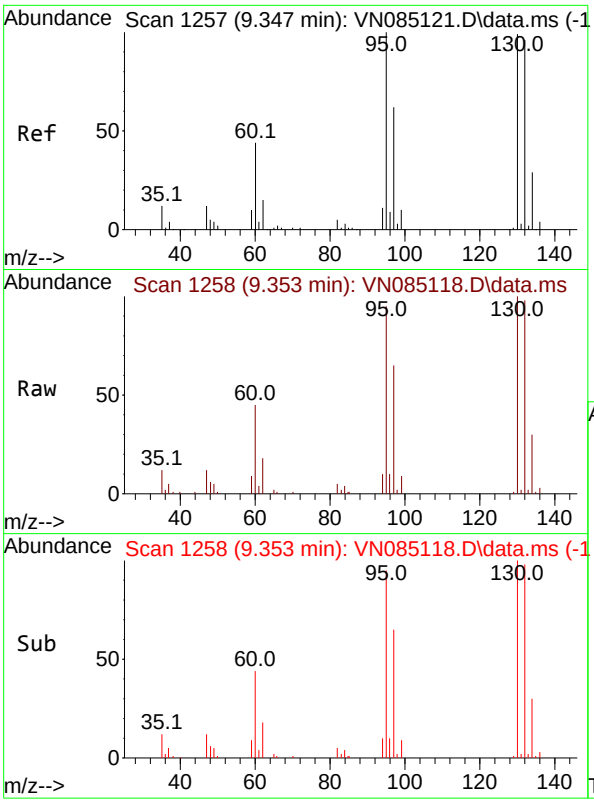


#36
1,2-Dichloroethane
Concen: 19.494 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 62 Resp: 54631

Ion	Ratio	Lower	Upper
62	100		
98	9.1	7.3	10.9



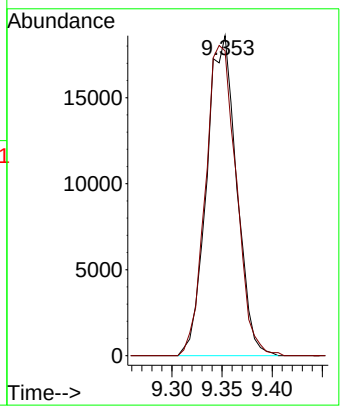


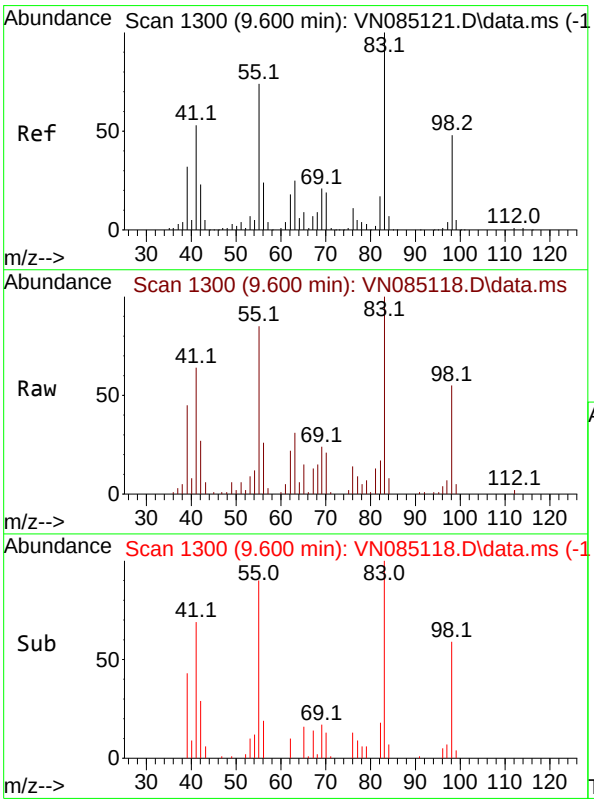
#37
Trichloroethene
Concen: 19.667 ug/l
RT: 9.353 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:130 Resp: 38555

Ion	Ratio	Lower	Upper
130	100		
95	95.3	76.2	114.4

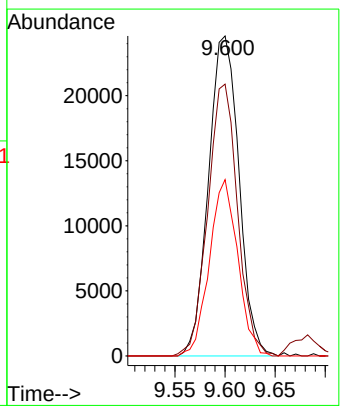


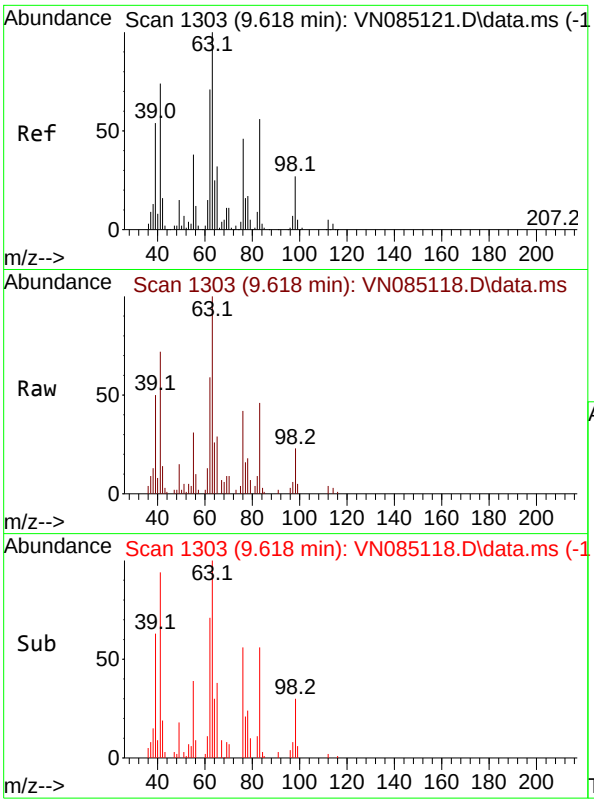


#38
Methylcyclohexane
Concen: 18.261 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 83 Resp: 52032

Ion	Ratio	Lower	Upper
83	100		
55	82.9	41.4	124.4
98	51.4	25.7	77.1



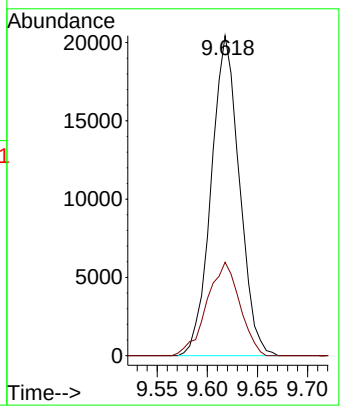


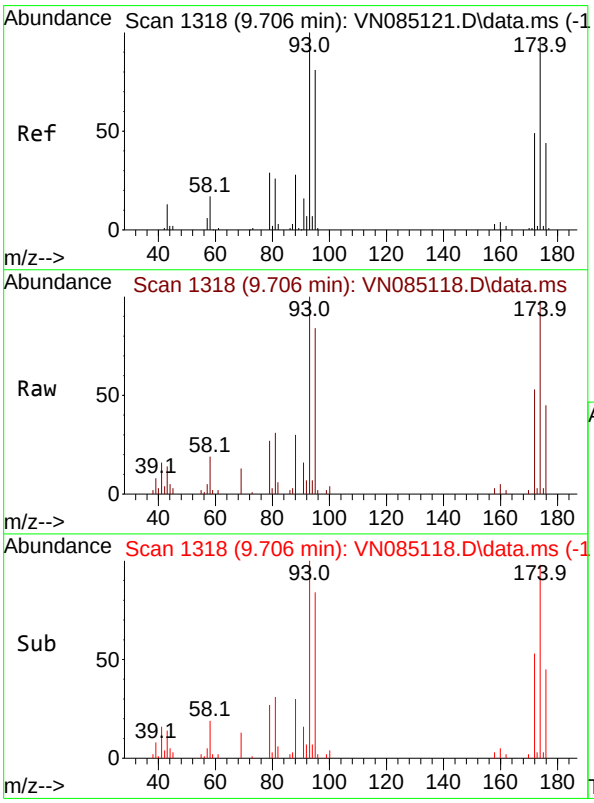
#39
1,2-Dichloropropane
Concen: 20.064 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 63 Resp: 40007

Ion	Ratio	Lower	Upper
63	100		
65	29.2	23.4	35.0

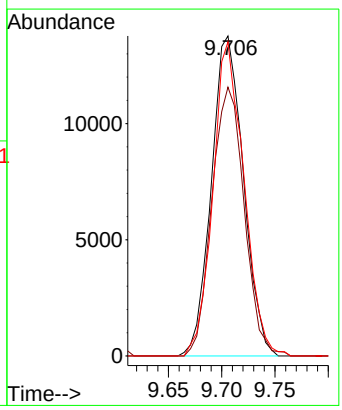


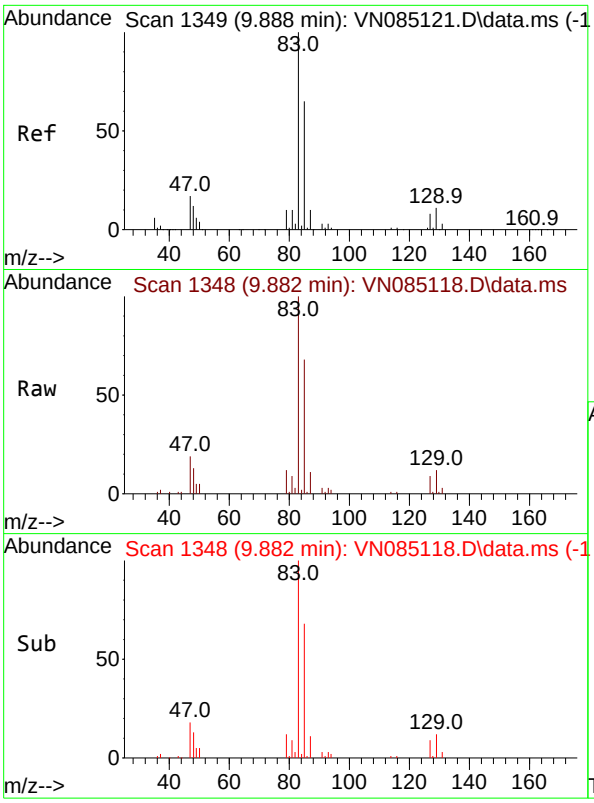


#40
Dibromomethane
Concen: 20.145 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 93 Resp: 28813

Ion	Ratio	Lower	Upper
93	100		
95	84.7	0.0	169.4
174	94.9	0.0	189.8



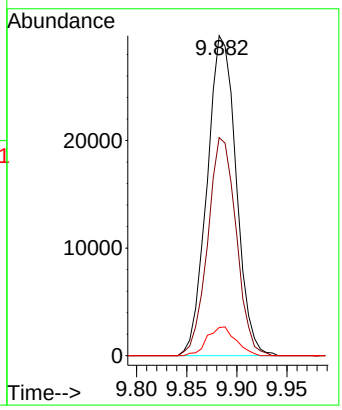


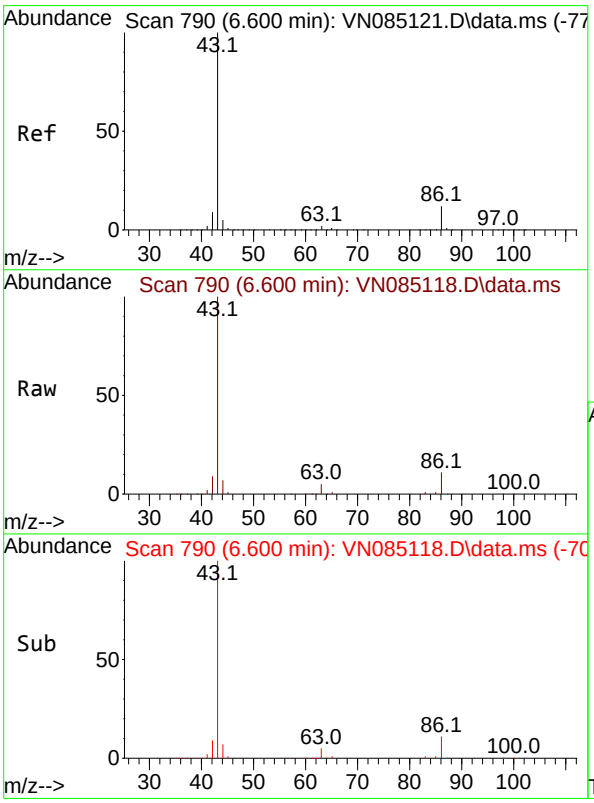
#41
Bromodichloromethane
Concen: 19.628 ug/l
RT: 9.882 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 83 Resp: 60013

Ion	Ratio	Lower	Upper
83	100		
85	68.2	54.6	81.8
127	8.8	7.0	10.6

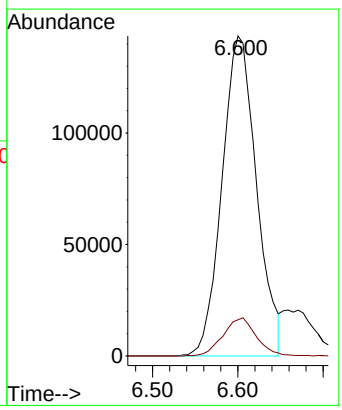


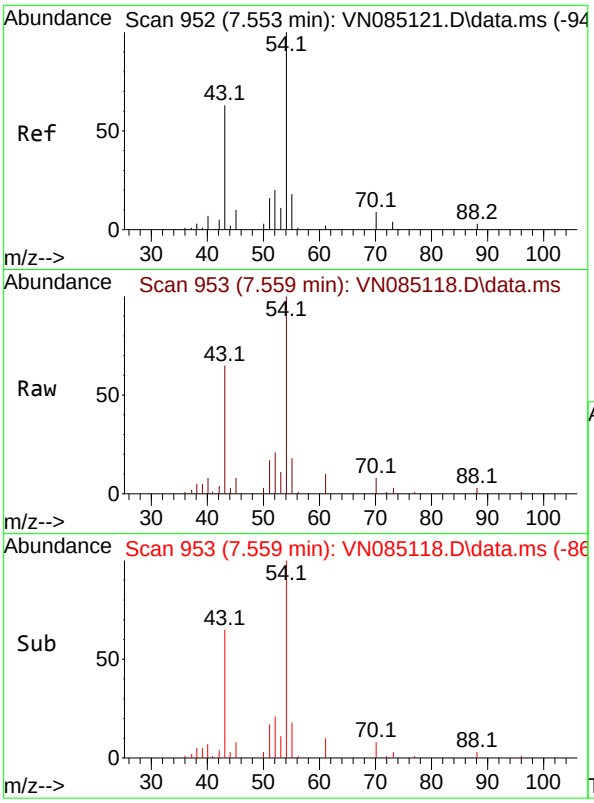


#42
Vinyl Acetate
Concen: 96.136 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 43 Resp: 404546

Ion	Ratio	Lower	Upper
43	100		
86	11.5	9.2	13.8



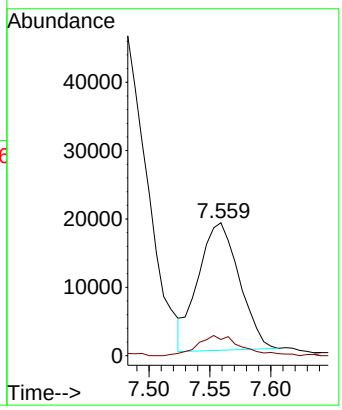


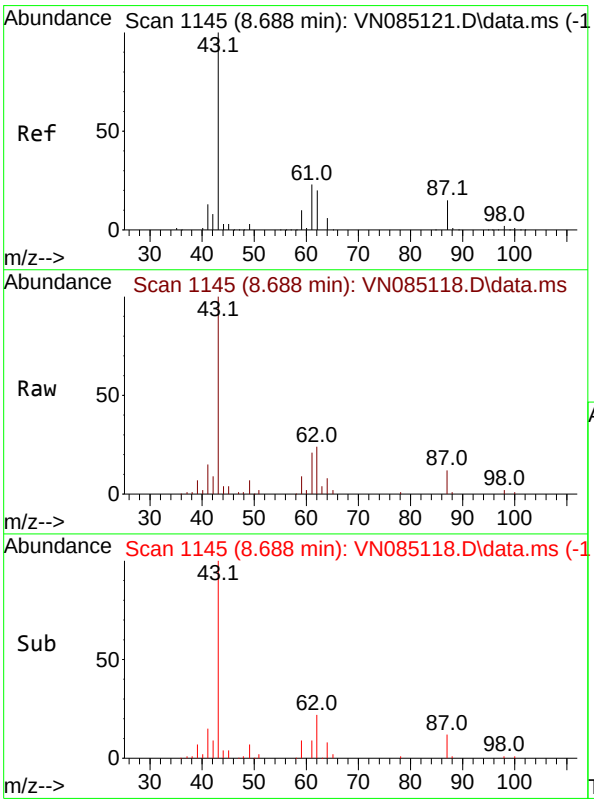
#43
Ethyl Acetate
Concen: 18.276 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 43 Resp: 43730

Ion	Ratio	Lower	Upper
43	100		
45	16.6	13.3	19.9

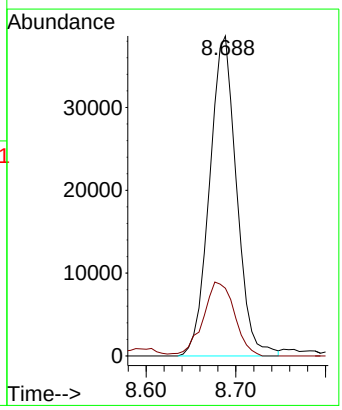


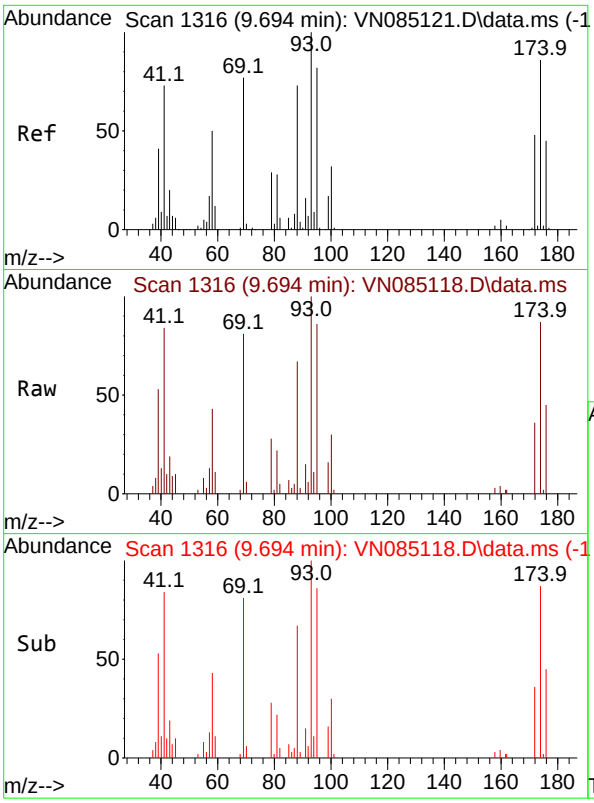


#44
Isopropyl Acetate
Concen: 19.412 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 43 Resp: 80717

Ion	Ratio	Lower	Upper
43	100		
61	26.9	21.5	32.3



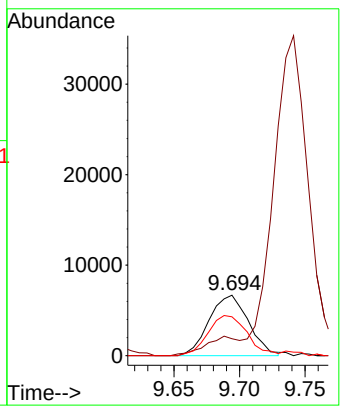


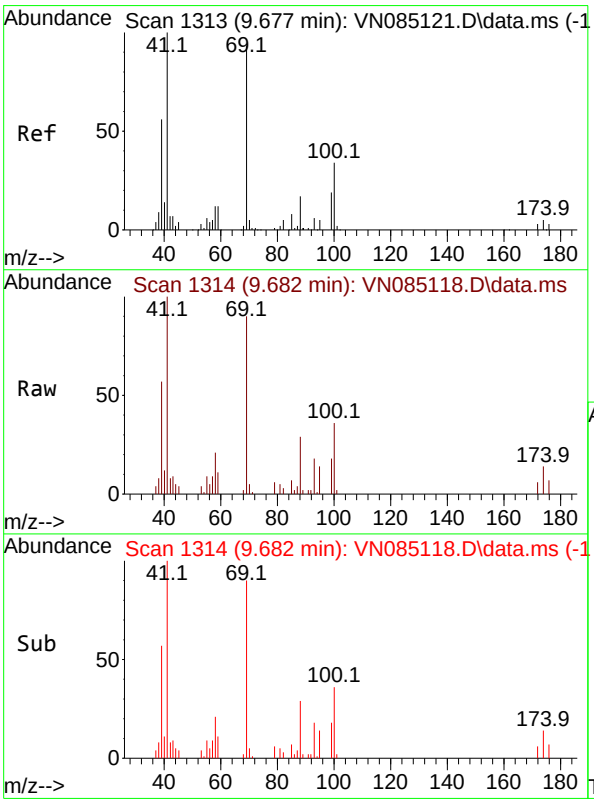
#45
1,4-Dioxane
Concen: 403.408 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 88 Resp: 13988

Ion	Ratio	Lower	Upper
88	100		
43	27.1	21.7	32.5
58	65.8	52.6	79.0

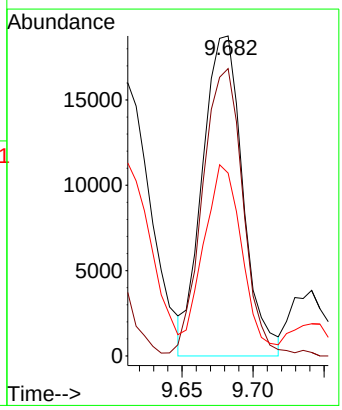


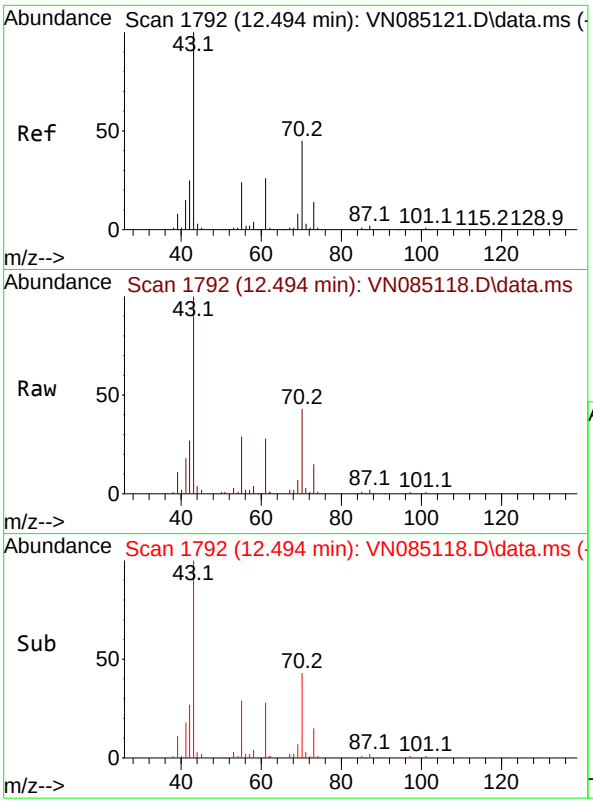


#46
Methyl methacrylate
Concen: 19.535 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 41 Resp: 37174

Ion	Ratio	Lower	Upper
41	100		
69	93.3	46.7	140.0
39	57.0	28.5	85.5



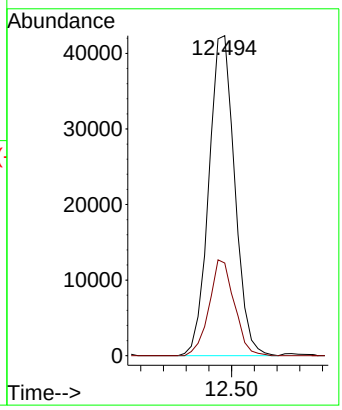


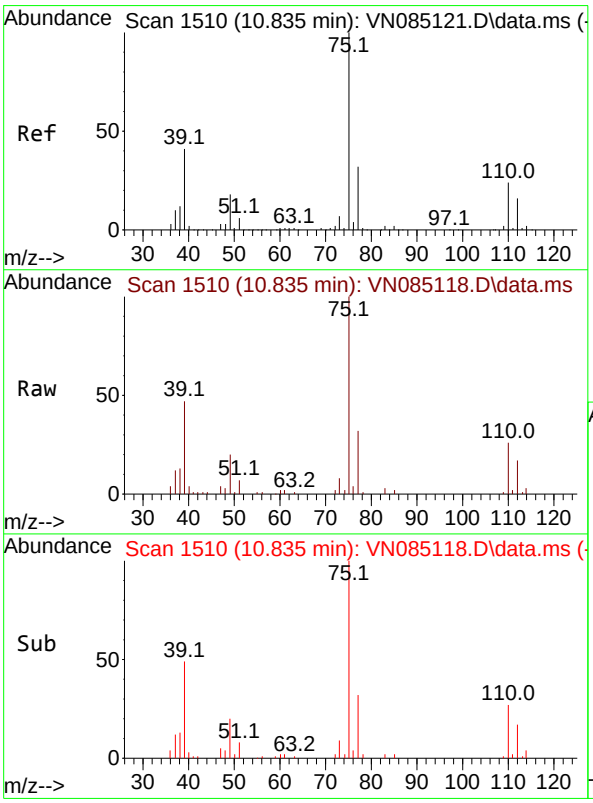
#47
n-amyl Acetate
Concen: 19.154 ug/l
RT: 12.494 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 43 Resp: 67009

Ion	Ratio	Lower	Upper
43	100		
55	29.1	23.3	34.9

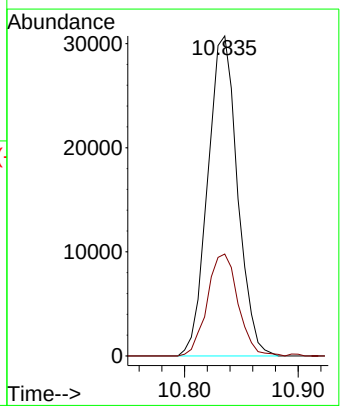


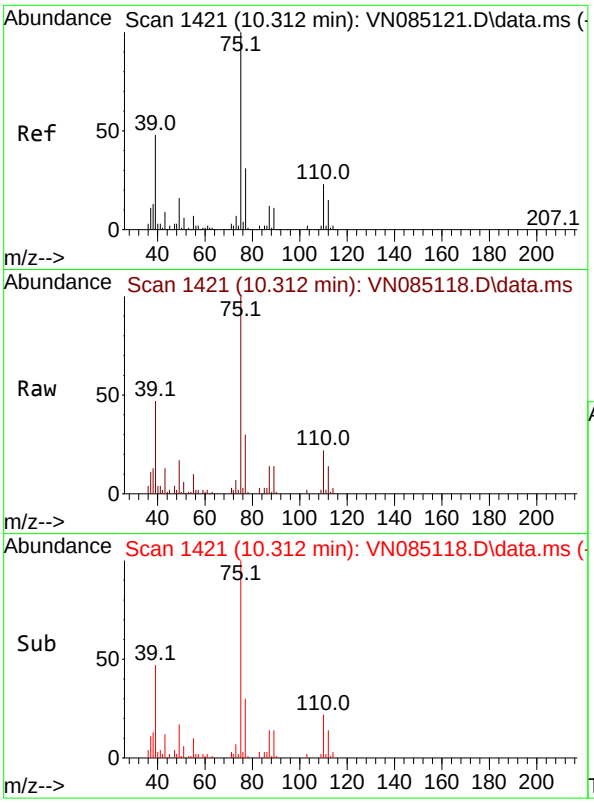


#48
t-1,3-Dichloropropene
Concen: 18.657 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 75 Resp: 55998

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3



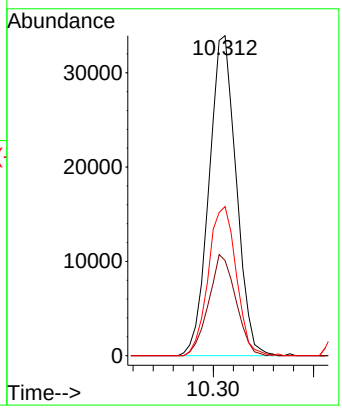


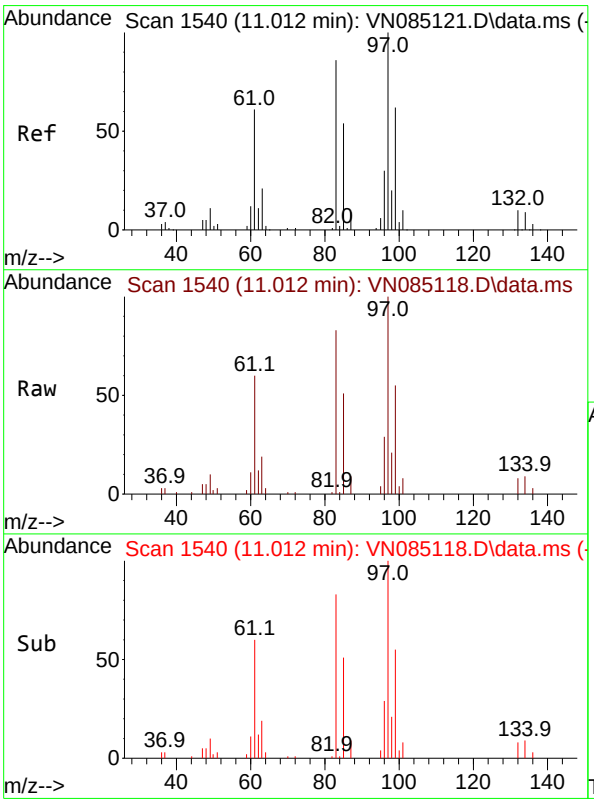
#49
cis-1,3-Dichloropropene
Concen: 19.540 ug/l
RT: 10.312 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 75 Resp: 63845

Ion	Ratio	Lower	Upper
75	100		
77	29.7	23.8	35.6
39	46.6	37.3	55.9

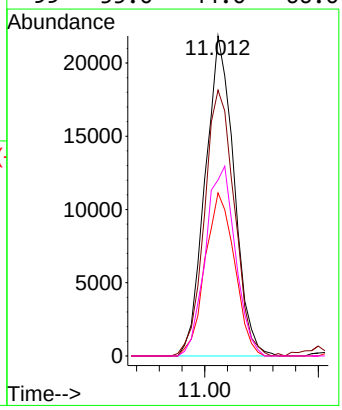


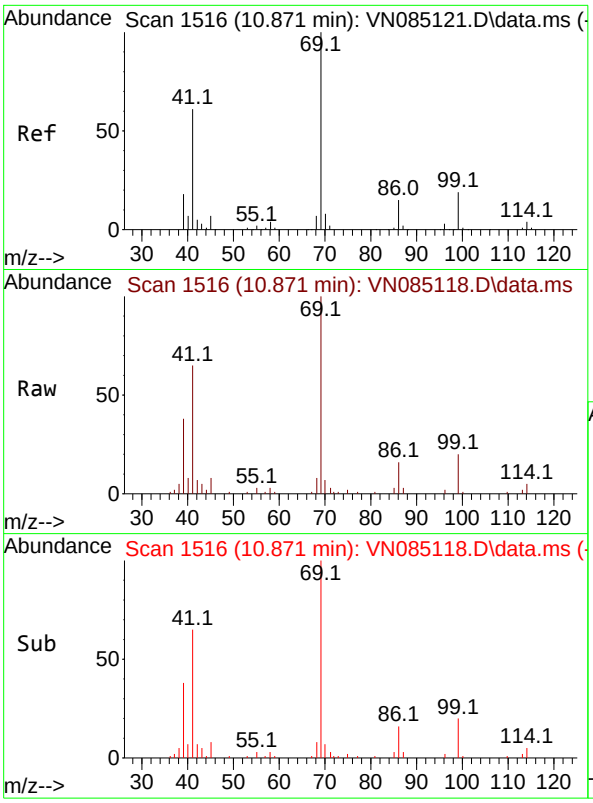


#50
1,1,2-Trichloroethane
Concen: 19.958 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 97 Resp: 38466

Ion	Ratio	Lower	Upper
97	100		
83	82.3	65.8	98.8
85	51.0	40.8	61.2
99	55.0	44.0	66.0



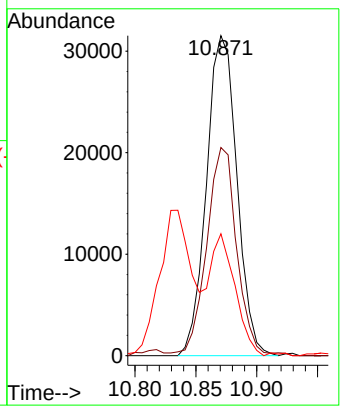


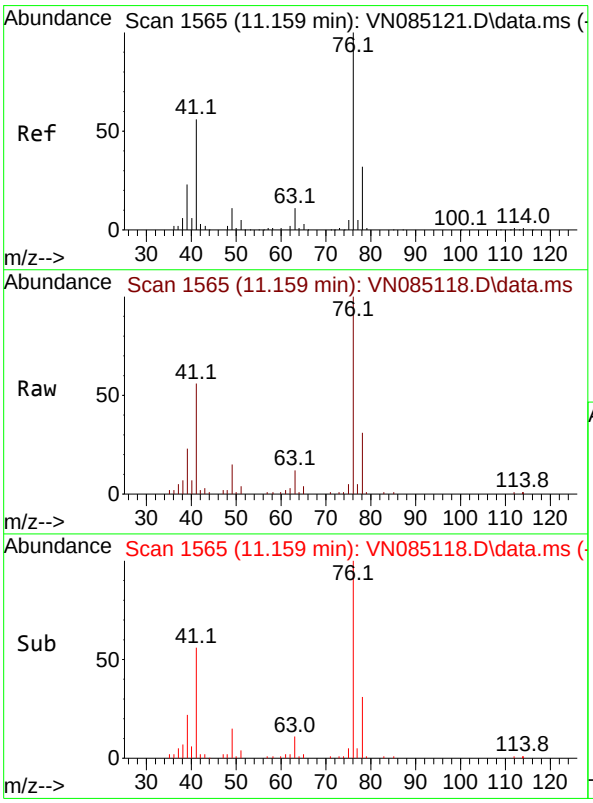
#51
Ethyl methacrylate
Concen: 18.696 ug/l
RT: 10.871 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 69 Resp: 54805

Ion	Ratio	Lower	Upper
69	100		
41	64.2	32.1	96.3
39	37.6	18.8	56.4

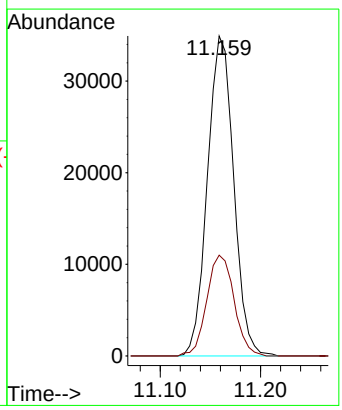


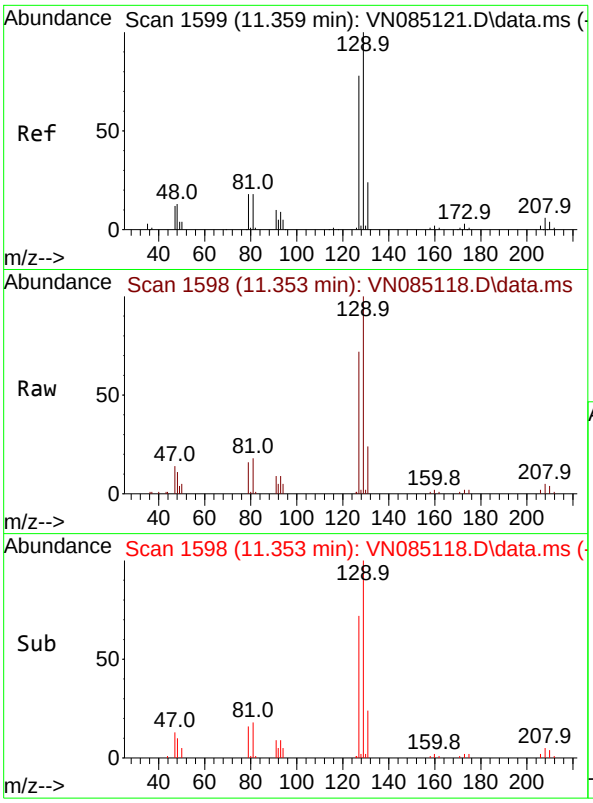


#52
1,3-Dichloropropane
Concen: 19.634 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 76 Resp: 63330

Ion	Ratio	Lower	Upper
76	100		
78	32.8	0.0	65.6



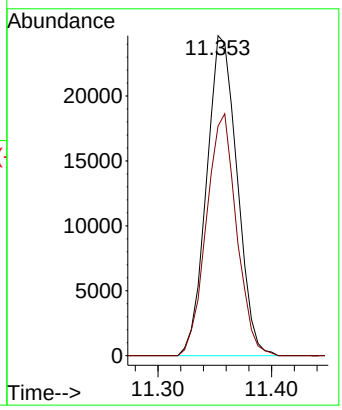


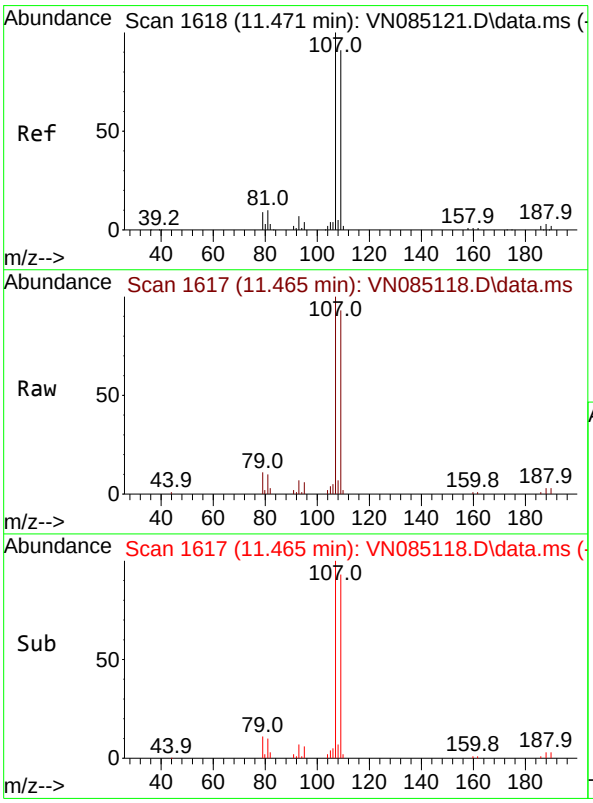
#53
Dibromochloromethane
Concen: 19.614 ug/l
RT: 11.353 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:129 Resp: 46068

Ion	Ratio	Lower	Upper
129	100		
127	74.6	37.3	111.9

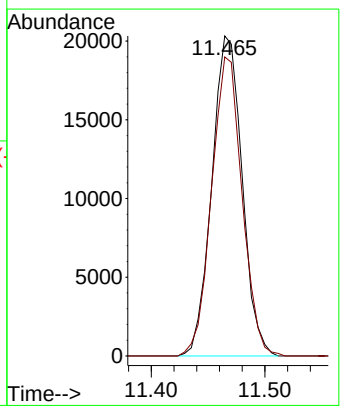


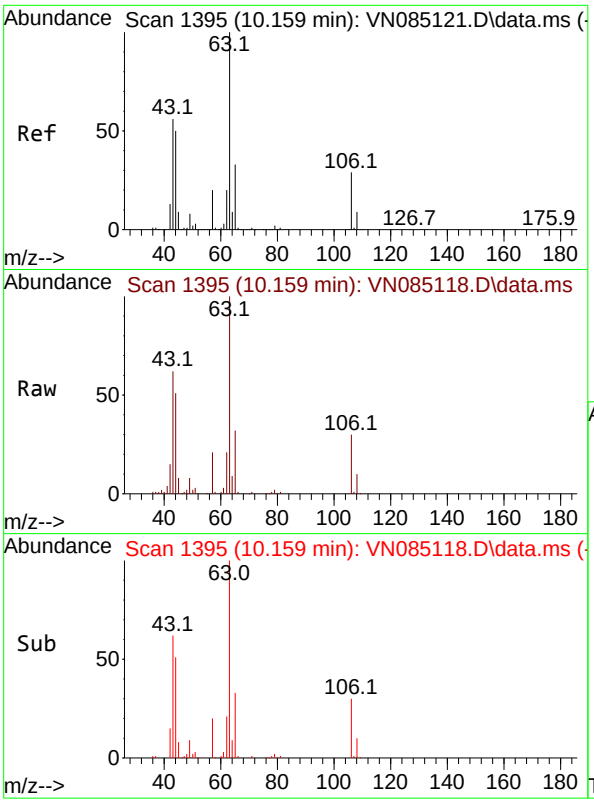


#54
1,2-Dibromoethane
Concen: 19.376 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:107 Resp: 37625

Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.2	112.8



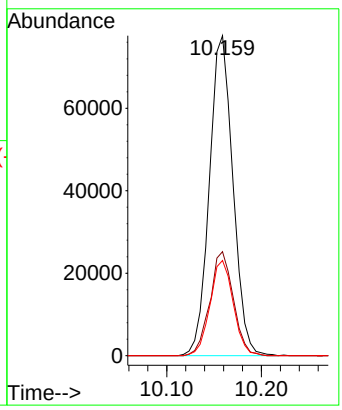


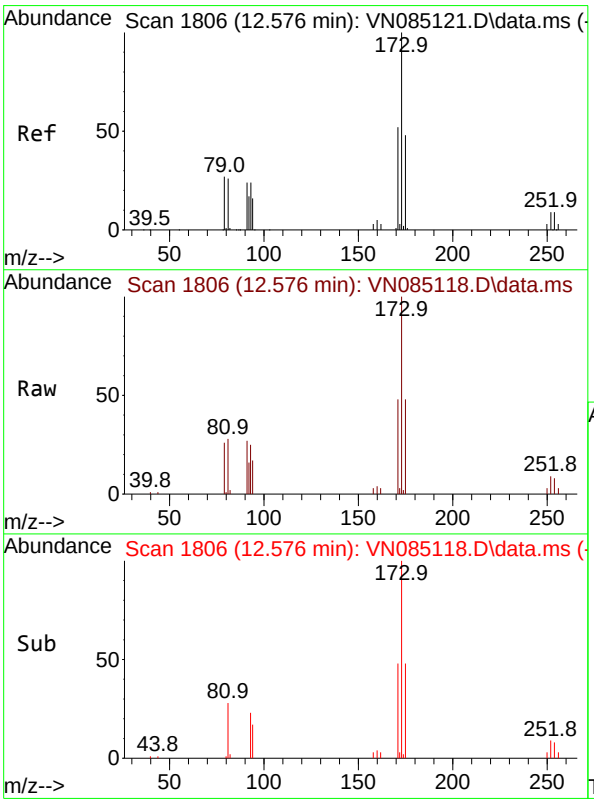
#55
2-Chloroethyl vinyl ether
Concen: 98.387 ug/l
RT: 10.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 63 Resp: 133977

Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.9	38.9
106	29.4	23.5	35.3

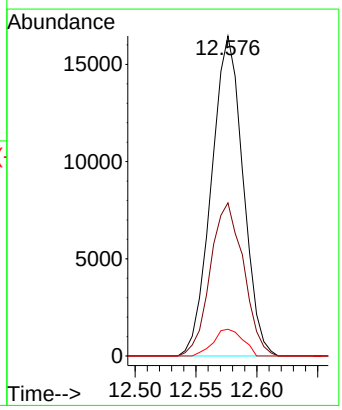


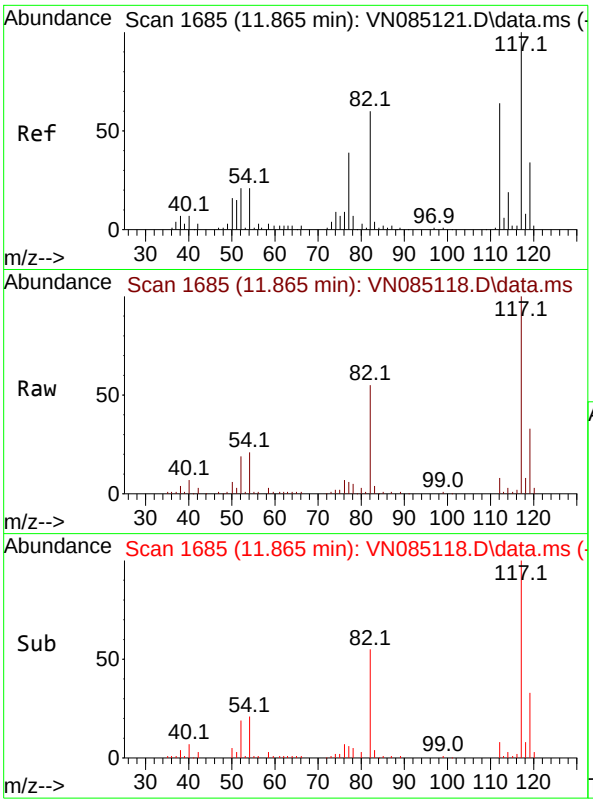


#56
Bromoform
Concen: 18.911 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:173 Resp: 29780

Ion	Ratio	Lower	Upper
173	100		
175	50.2	40.2	60.2
254	7.8	6.2	9.4



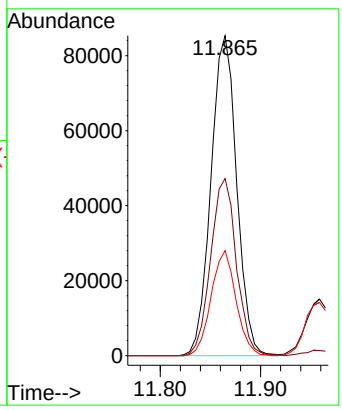


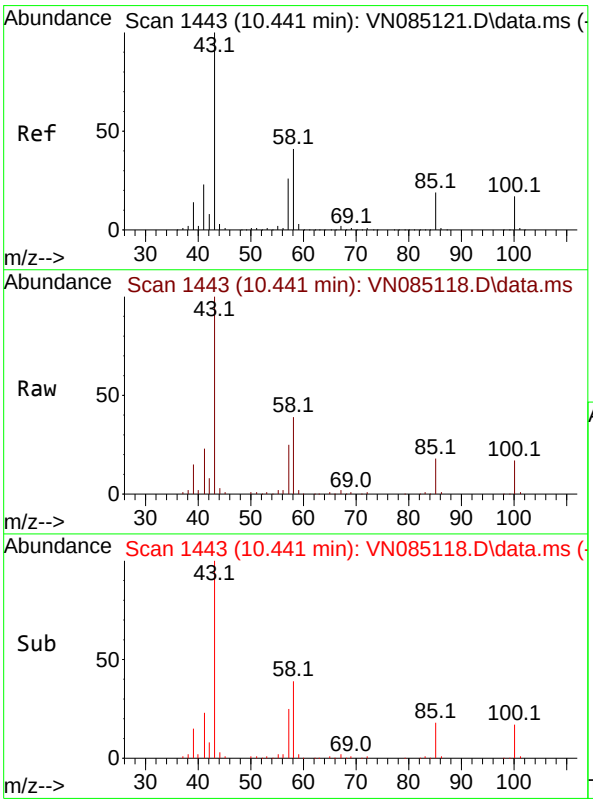
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:117 Resp: 151793

Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.2	66.4
119	31.8	25.4	38.2

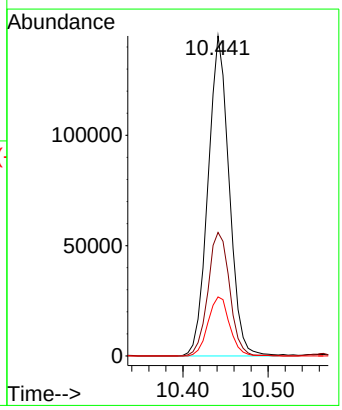


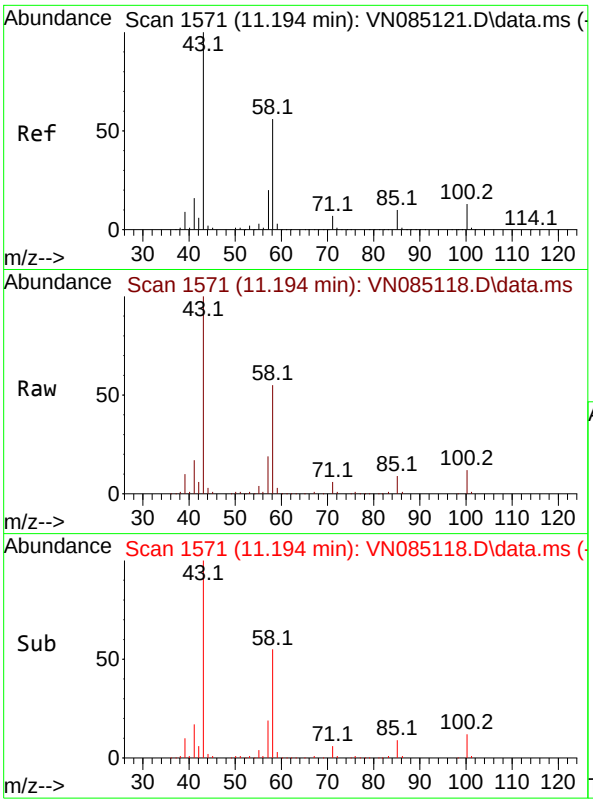


#58
4-Methyl-2-Pentanone
Concen: 100.896 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 43 Resp: 249951

Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.6	47.4
85	18.8	15.0	22.6



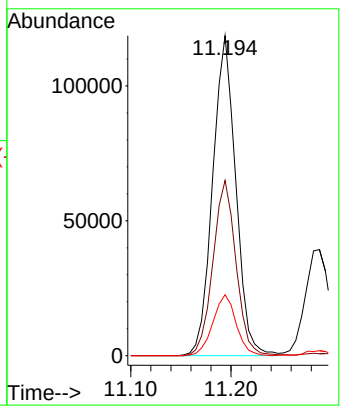


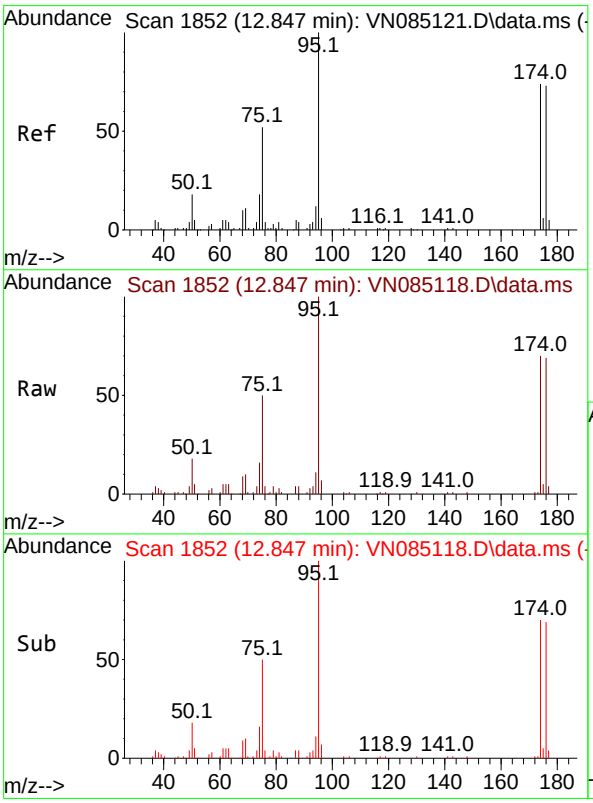
#59
2-Hexanone
Concen: 101.223 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 43 Resp: 190003

Ion	Ratio	Lower	Upper
43	100		
58	54.5	43.6	65.4
57	19.2	15.4	23.0

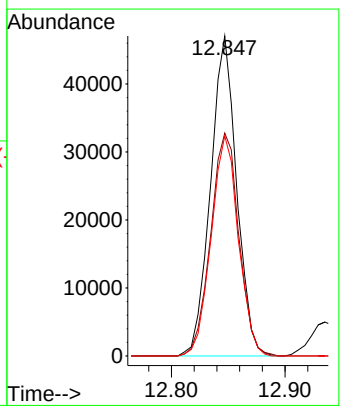


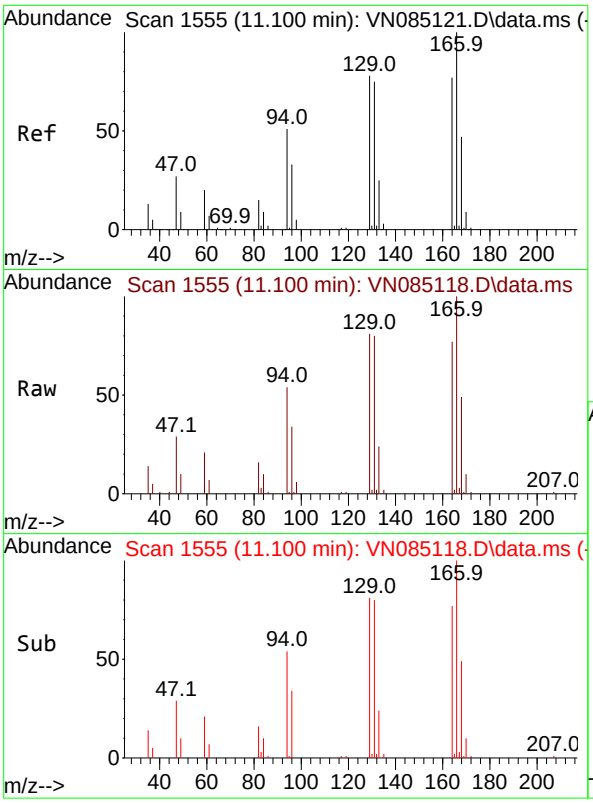


#60
4-Bromofluorobenzene
Concen: 29.902 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 95 Resp: 75101

Ion	Ratio	Lower	Upper
95	100		
174	75.4	60.3	90.5
176	71.7	57.4	86.0



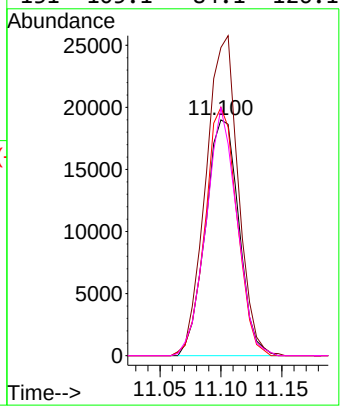


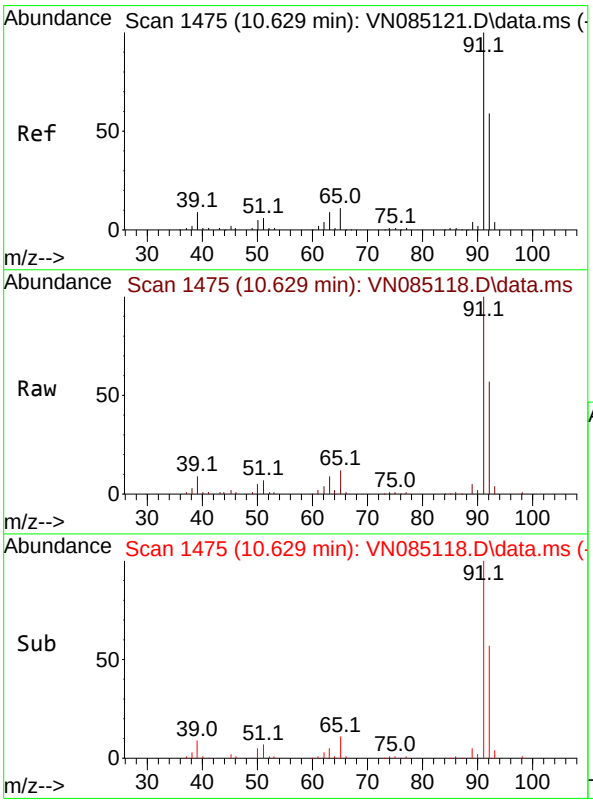
#61
Tetrachloroethene
Concen: 19.684 ug/l
RT: 11.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:164 Resp: 36183

Ion	Ratio	Lower	Upper
164	100		
166	129.8	103.8	155.8
129	105.3	84.2	126.4
131	105.1	84.1	126.1

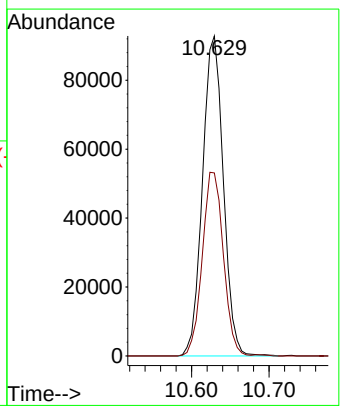


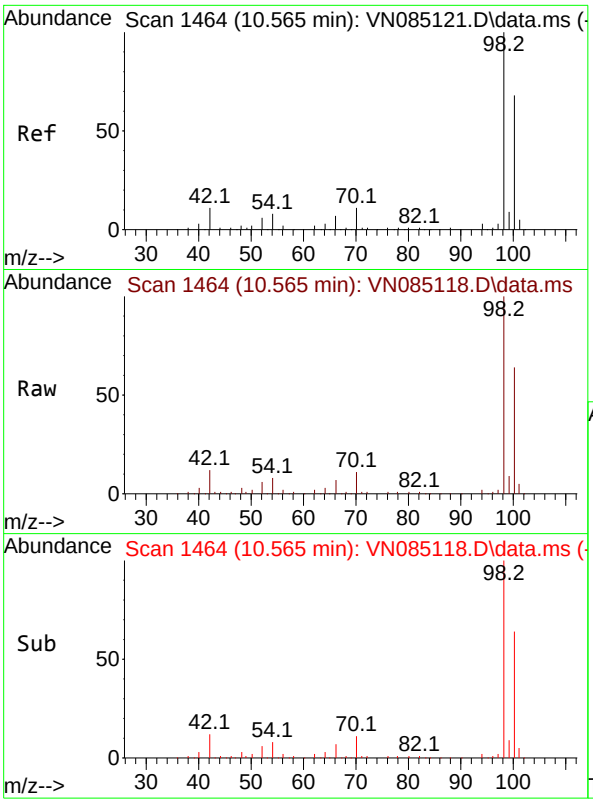


#62
Toluene
Concen: 19.581 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 91 Resp: 173344

Ion	Ratio	Lower	Upper
91	100		
92	58.1	46.5	69.7



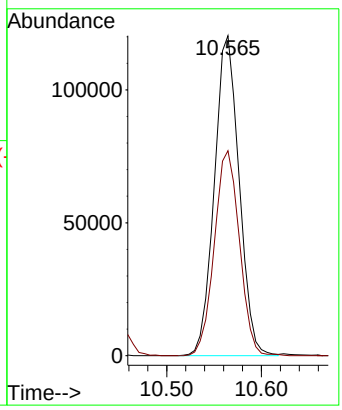


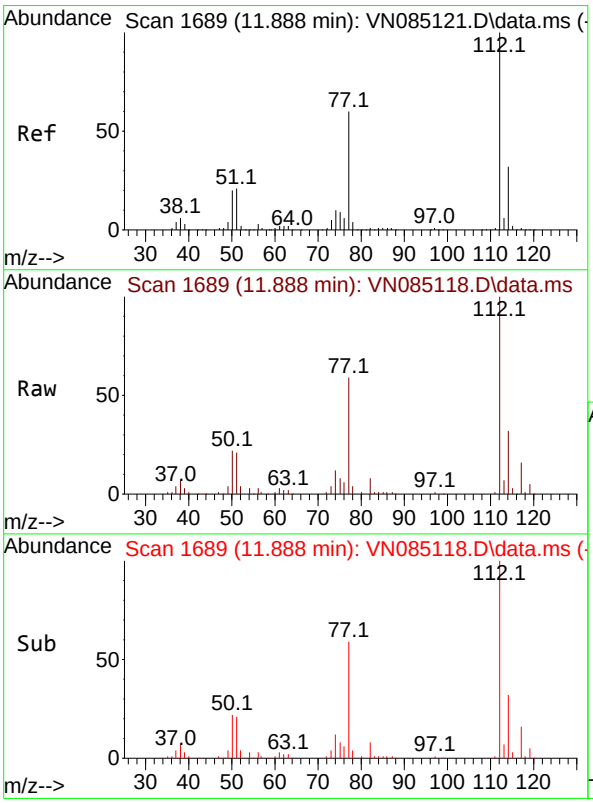
#63
Toluene-d8
Concen: 30.755 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 98 Resp: 218988

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0

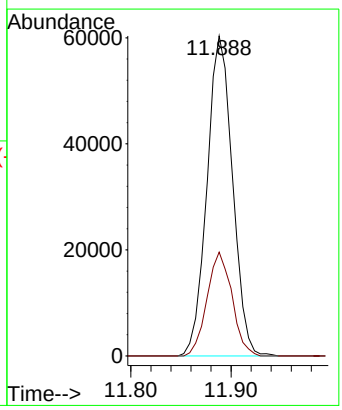


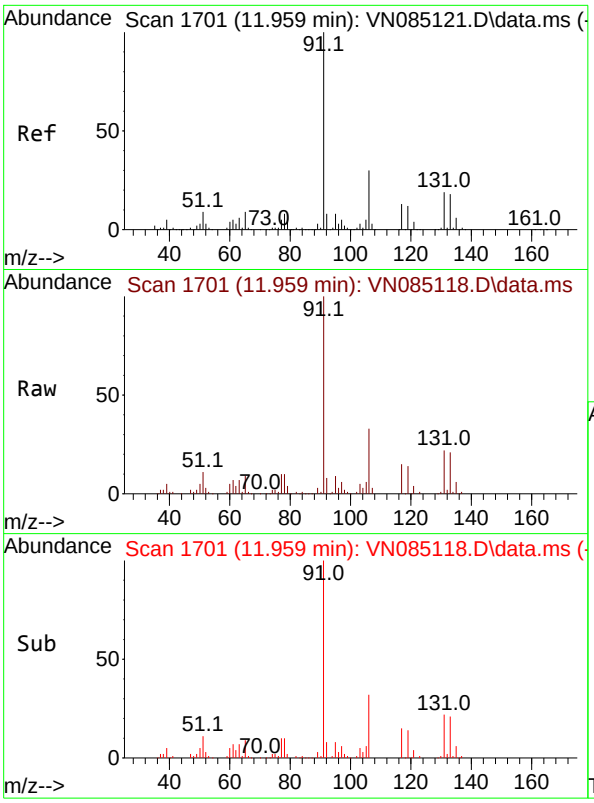


#64
Chlorobenzene
Concen: 19.550 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:112 Resp: 106855

Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0



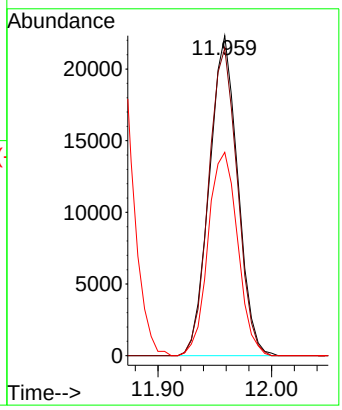


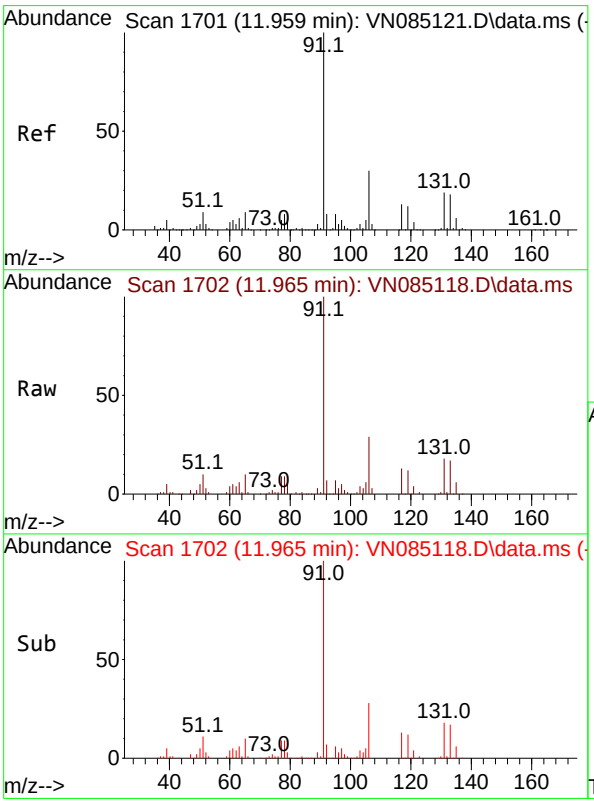
#65
1,1,1,2-Tetrachloroethane
Concen: 19.032 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:131 Resp: 38831

Ion	Ratio	Lower	Upper
131	100		
133	97.0	0.0	194.0
119	65.9	0.0	131.8

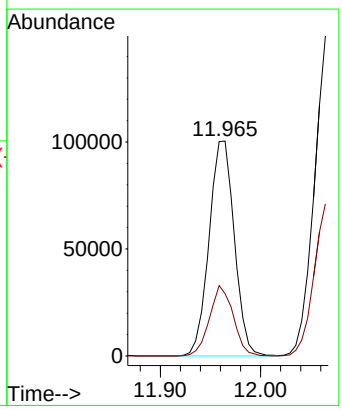


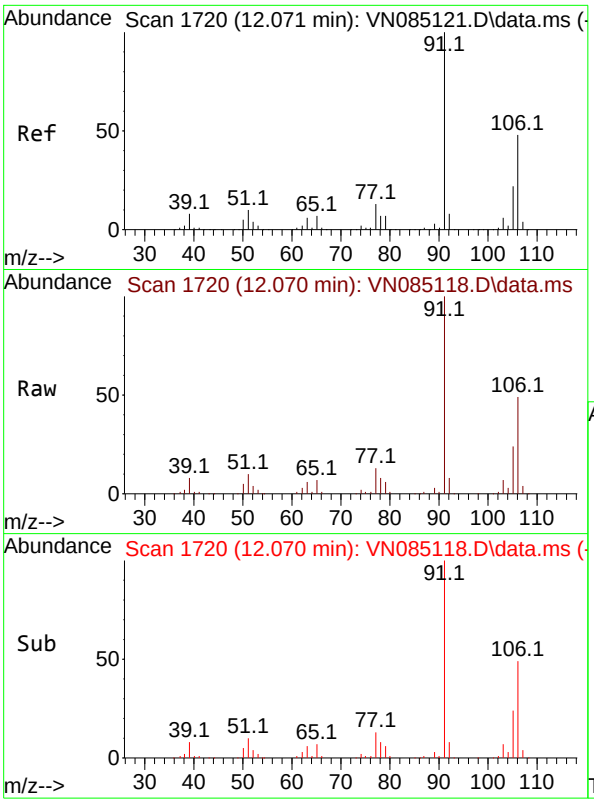


#66
Ethyl Benzene
Concen: 18.737 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 91 Resp: 176006

Ion	Ratio	Lower	Upper
91	100		
106	28.9	23.1	34.7



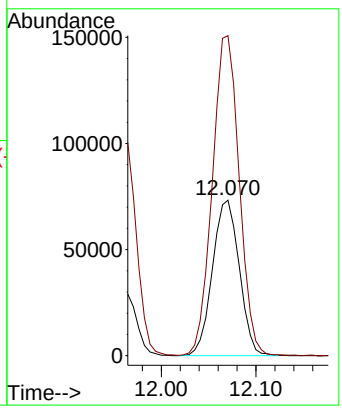


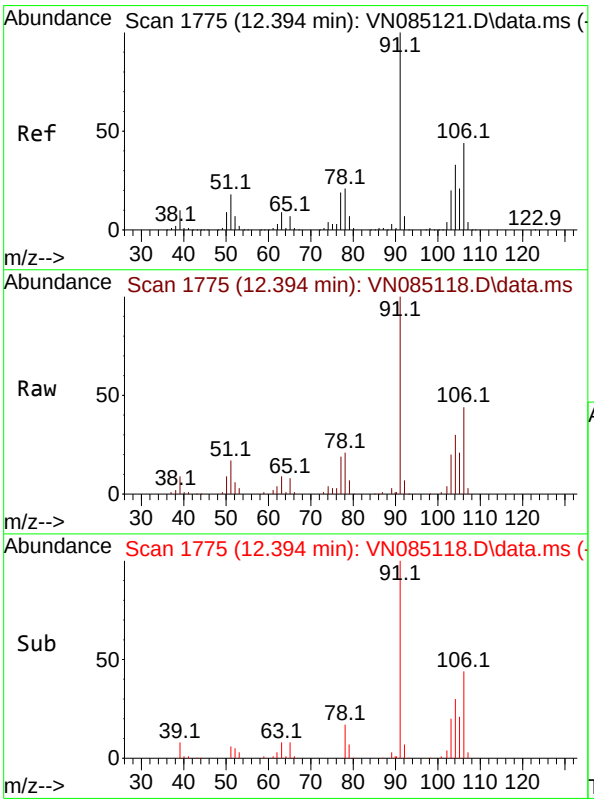
#67
m/p-Xylenes
Concen: 39.929 ug/l
RT: 12.070 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:106 Resp: 144263

Ion	Ratio	Lower	Upper
106	100		
91	206.2	165.0	247.4

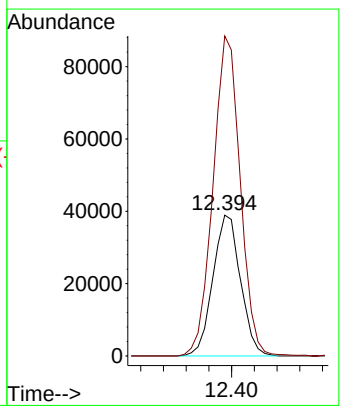


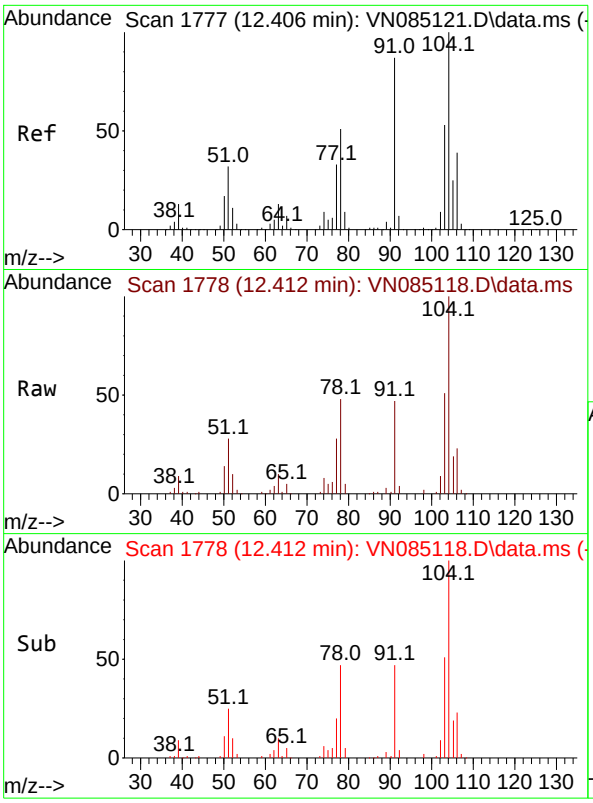


#68
o-Xylene
Concen: 19.324 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:106 Resp: 65568

Ion	Ratio	Lower	Upper
106	100		
91	224.3	112.1	336.4



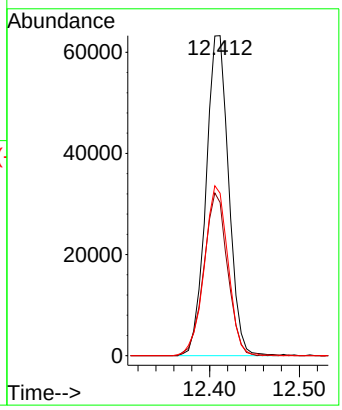


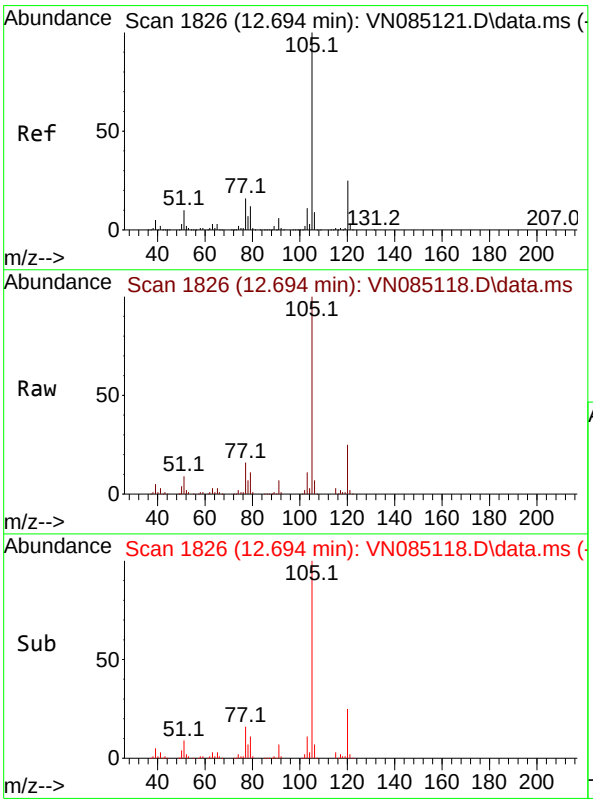
#69
Styrene
Concen: 19.289 ug/l
RT: 12.412 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:104 Resp: 111060

Ion	Ratio	Lower	Upper
104	100		
78	52.9	42.3	63.5
103	55.5	44.4	66.6

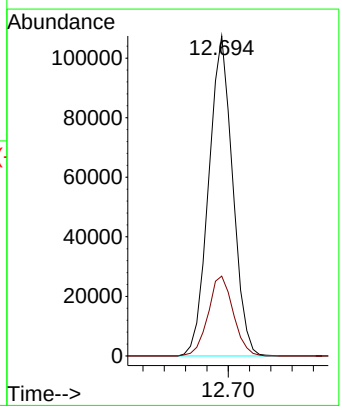


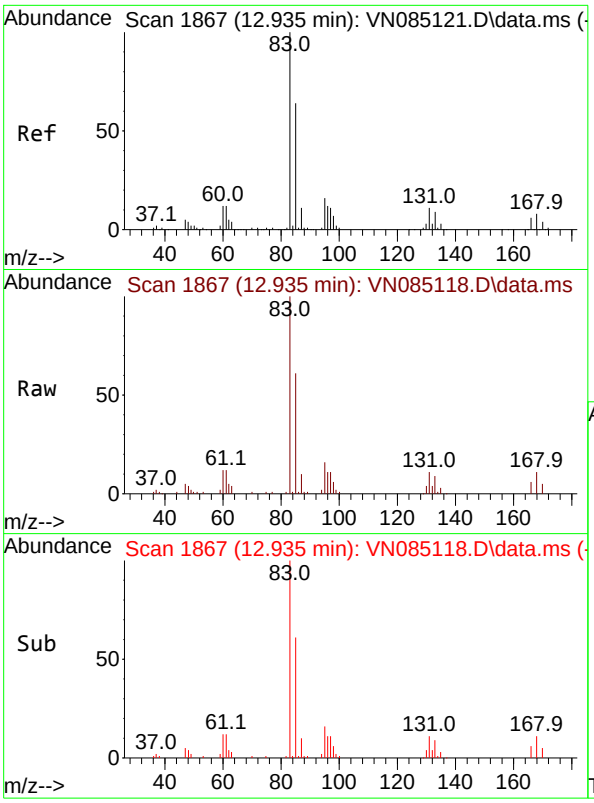


#70
Isopropylbenzene
Concen: 19.153 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:105 Resp: 167624

Ion	Ratio	Lower	Upper
105	100		
120	26.1	18.3	33.9



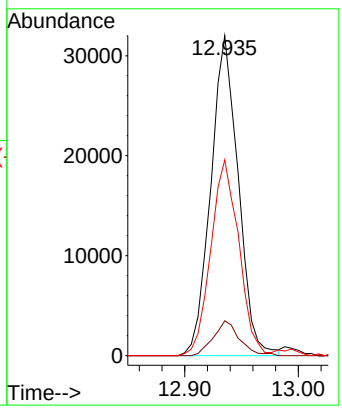


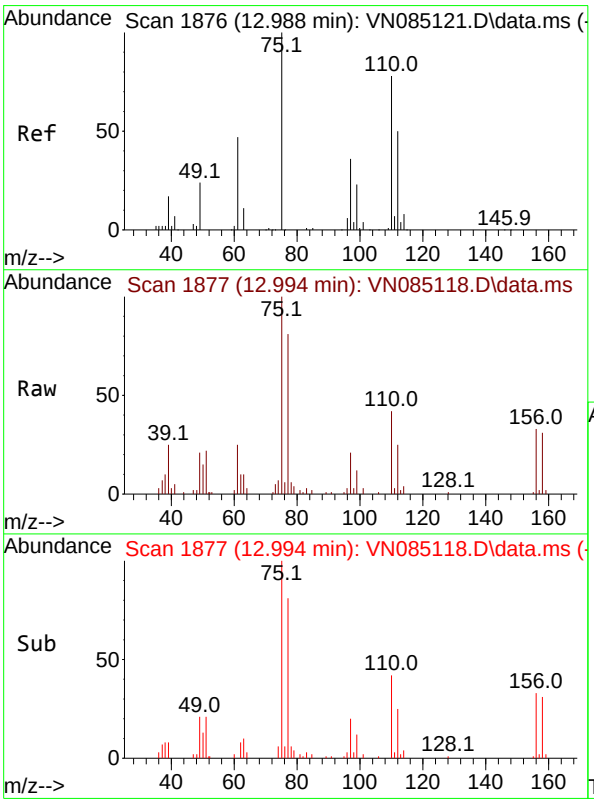
#71
1,1,2,2-Tetrachloroethane
Concen: 20.208 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 83 Resp: 53829

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.3
85	62.3	31.1	93.5

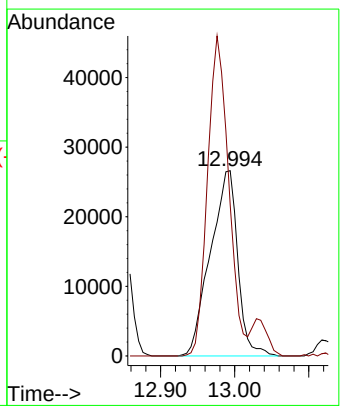


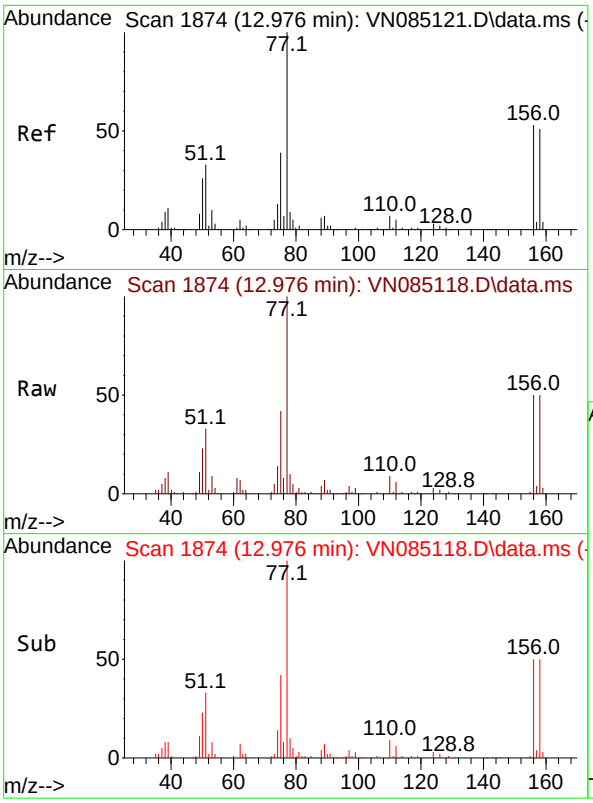


#72
1,2,3-Trichloropropane
Concen: 25.935 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 75 Resp: 68245

Ion	Ratio	Lower	Upper
75	100		
77	134.1	0.0	339.0



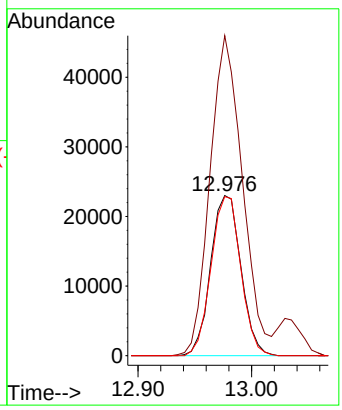


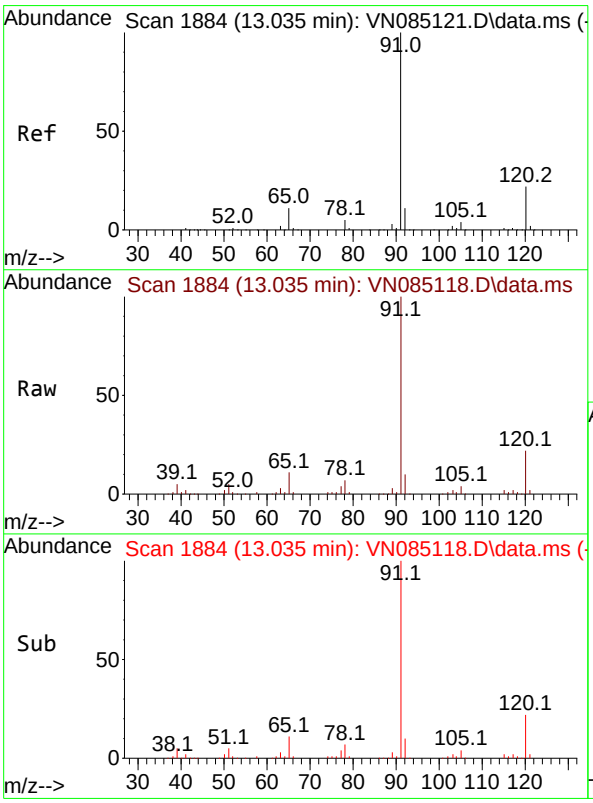
#73
Bromobenzene
Concen: 19.393 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:156 Resp: 42513

Ion	Ratio	Lower	Upper
156	100		
77	215.2	0.0	430.4
158	97.6	0.0	195.2

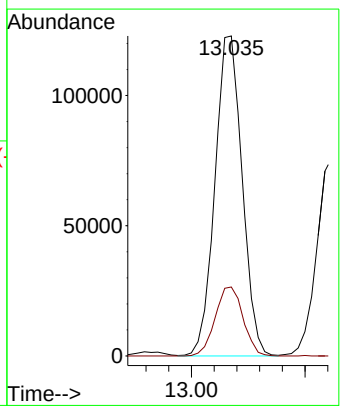


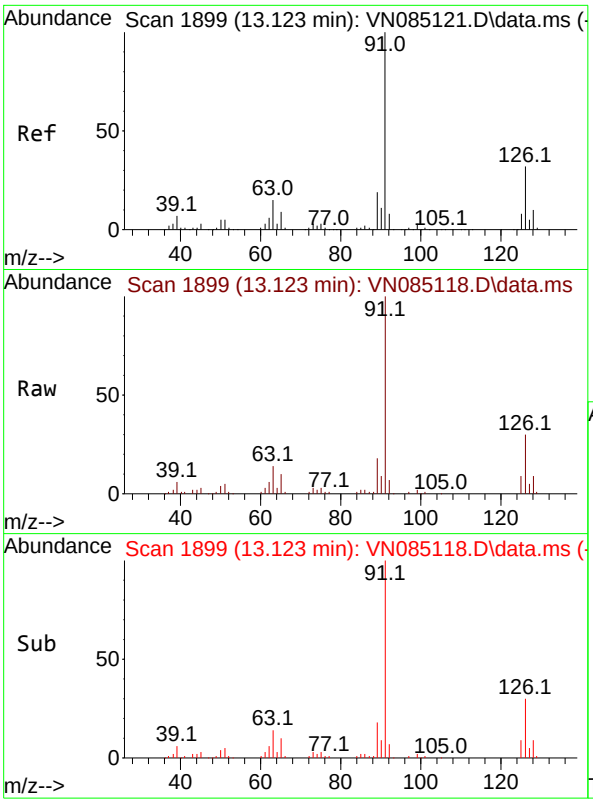


#74
n-propylbenzene
Concen: 19.431 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 91 Resp: 204446

Ion	Ratio	Lower	Upper
91	100		
120	22.0	0.0	44.0



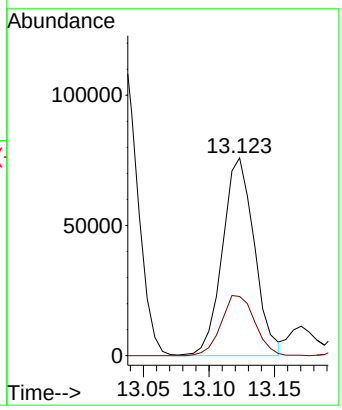


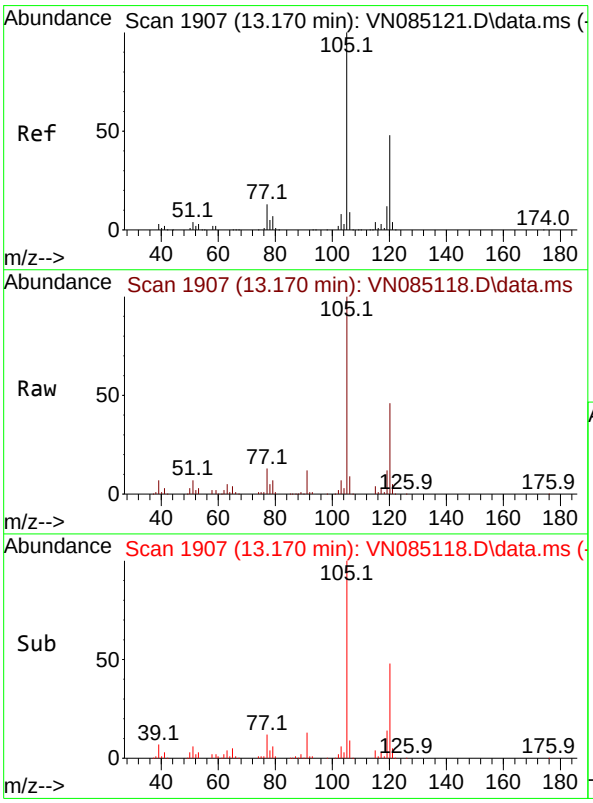
#75
2-Chlorotoluene
Concen: 19.766 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 91 Resp: 128581

Ion	Ratio	Lower	Upper
91	100		
126	32.1	0.0	64.2

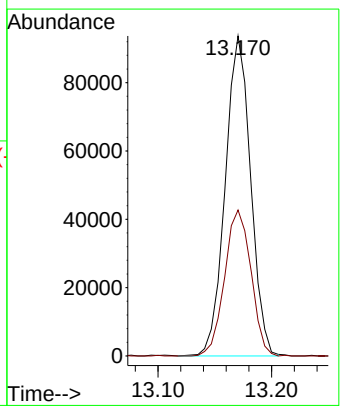


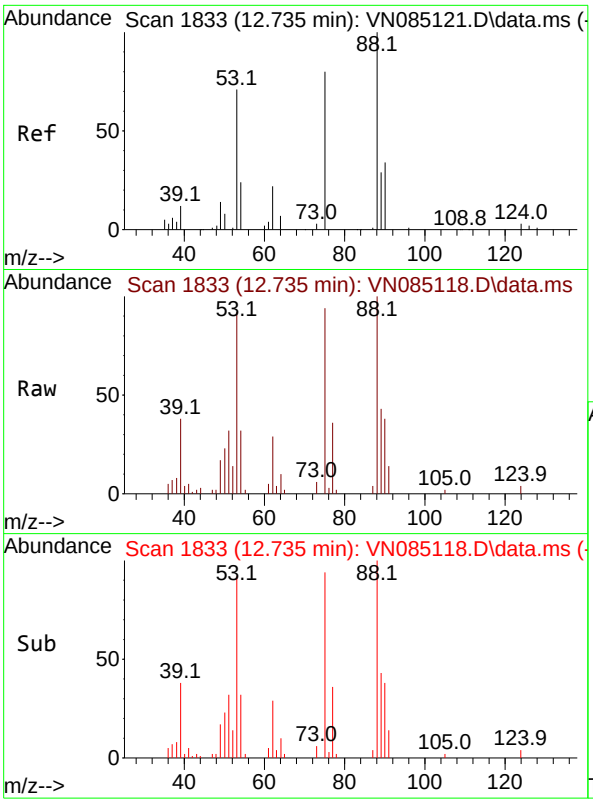


#76
1,3,5-Trimethylbenzene
Concen: 19.449 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:105 Resp: 145824

Ion	Ratio	Lower	Upper
105	100		
120	47.2	0.0	94.4



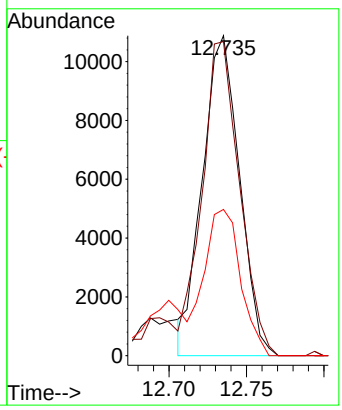


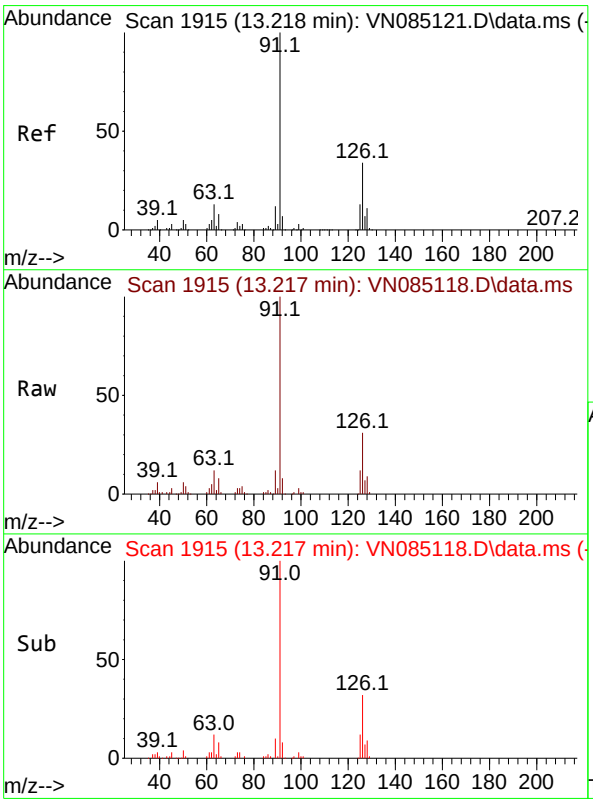
#77
t-1,4-Dichloro-2-butene
Concen: 18.901 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 75 Resp: 18073

Ion	Ratio	Lower	Upper
75	100		
53	98.2	49.1	147.3
89	45.7	22.9	68.5

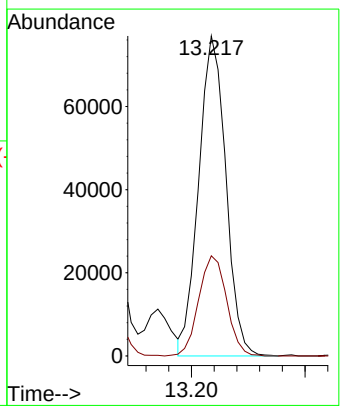


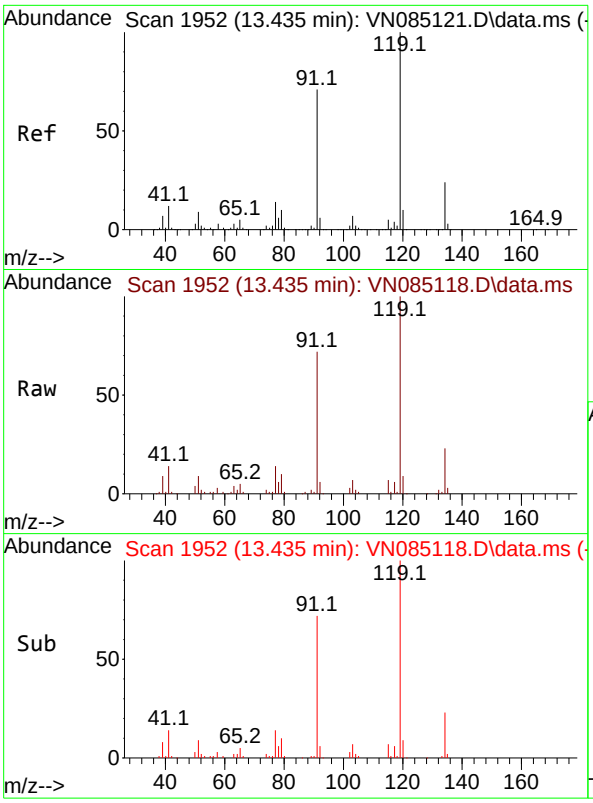


#78
4-Chlorotoluene
Concen: 19.337 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 91 Resp: 127680

Ion	Ratio	Lower	Upper
91	100		
126	32.2	0.0	64.4



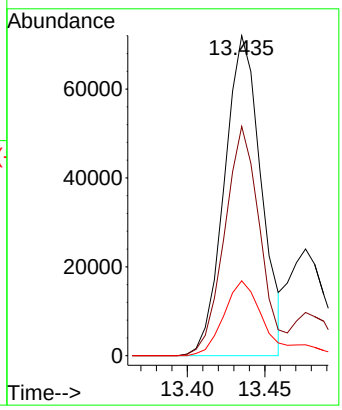


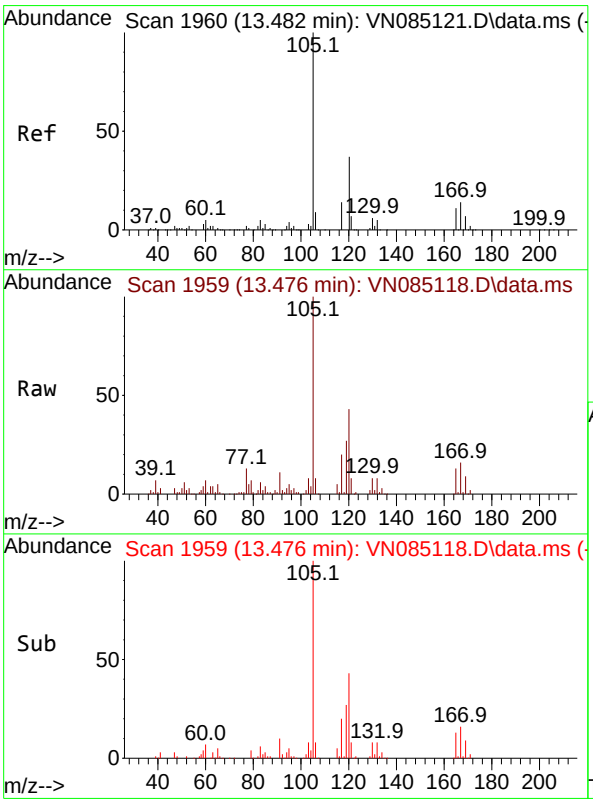
#79
tert-butylbenzene
Concen: 19.283 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:119 Resp: 118752

Ion	Ratio	Lower	Upper
119	100		
91	69.6	0.0	139.2
134	24.0	0.0	48.0

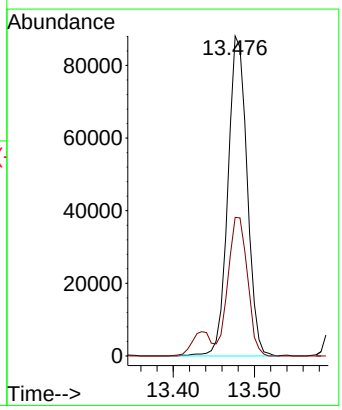


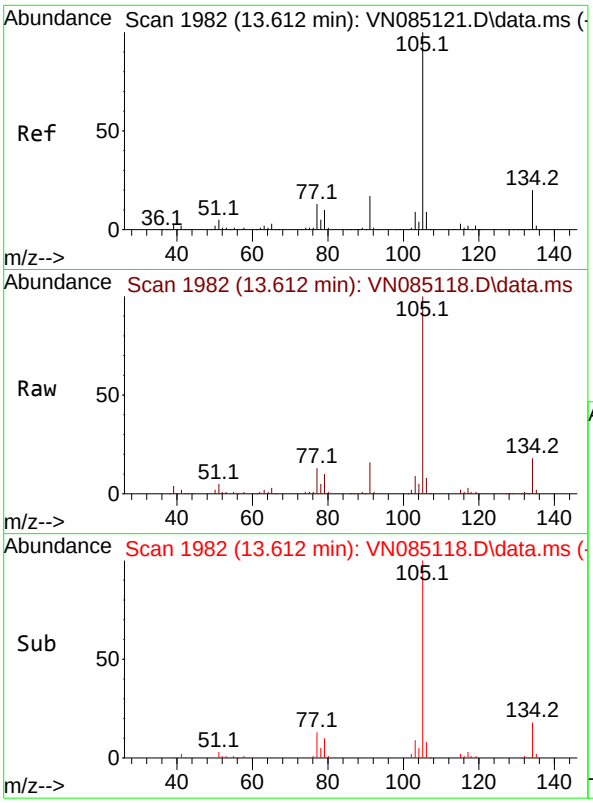


#80
1,2,4-Trimethylbenzene
Concen: 19.521 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:105 Resp: 144579

Ion	Ratio	Lower	Upper
105	100		
120	43.7	0.0	87.4



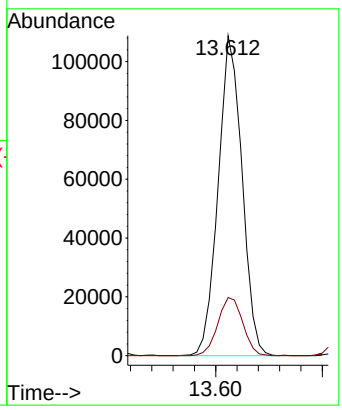


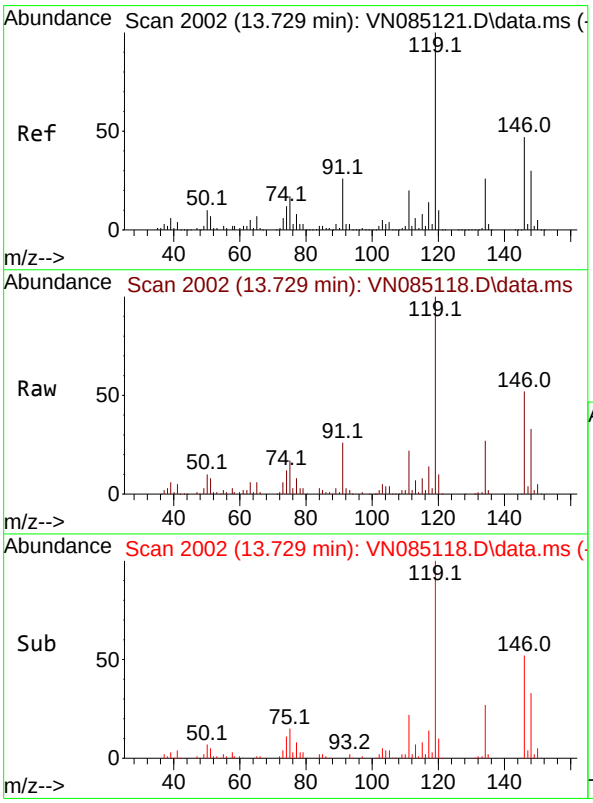
#81
sec-Butylbenzene
Concen: 19.304 ug/l
RT: 13.612 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:105 Resp: 168895

Ion	Ratio	Lower	Upper
105	100		
134	19.0	0.0	38.0

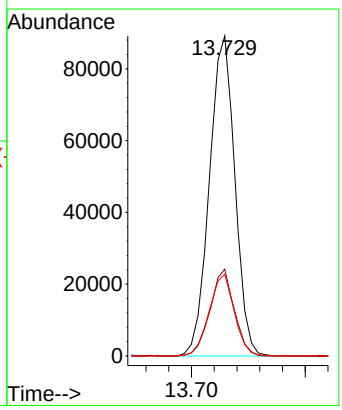


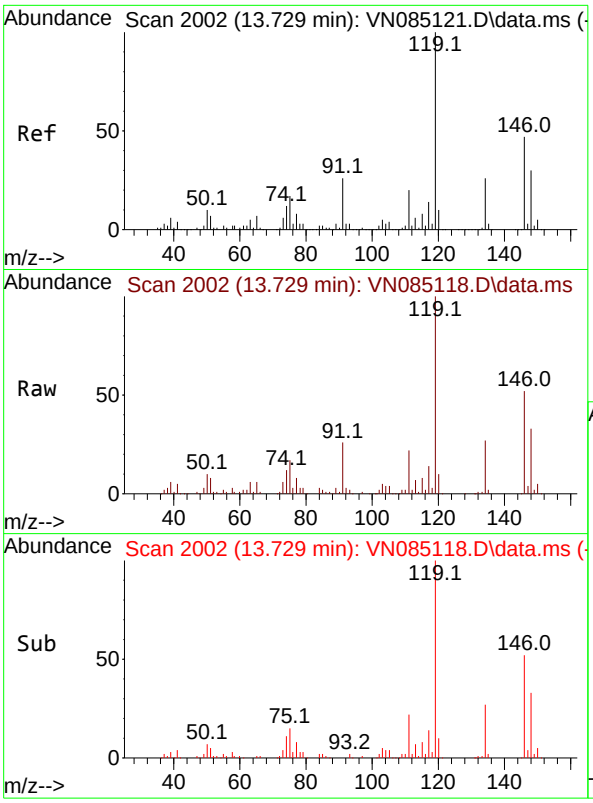


#82
p-Isopropyltoluene
Concen: 19.140 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:119 Resp: 138833

Ion	Ratio	Lower	Upper
119	100		
134	25.8	0.0	51.6
91	25.2	0.0	50.4



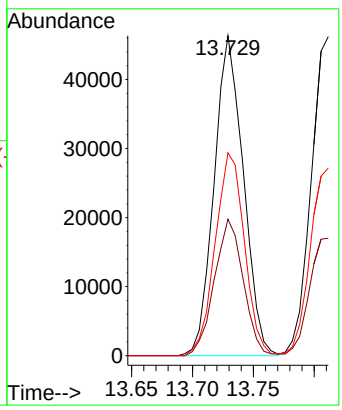


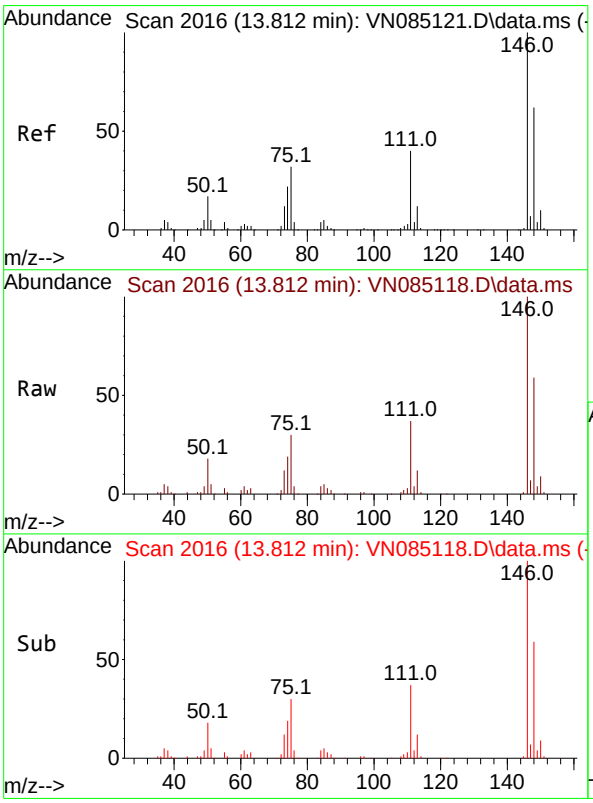
#83
1,3-Dichlorobenzene
Concen: 19.261 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:146 Resp: 77464

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.3
148	63.5	31.8	95.3

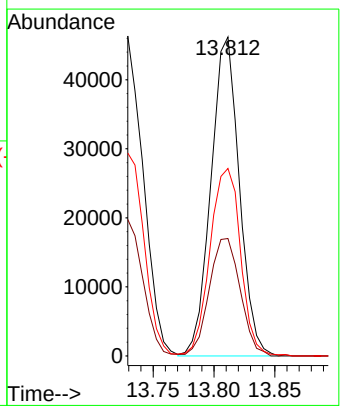


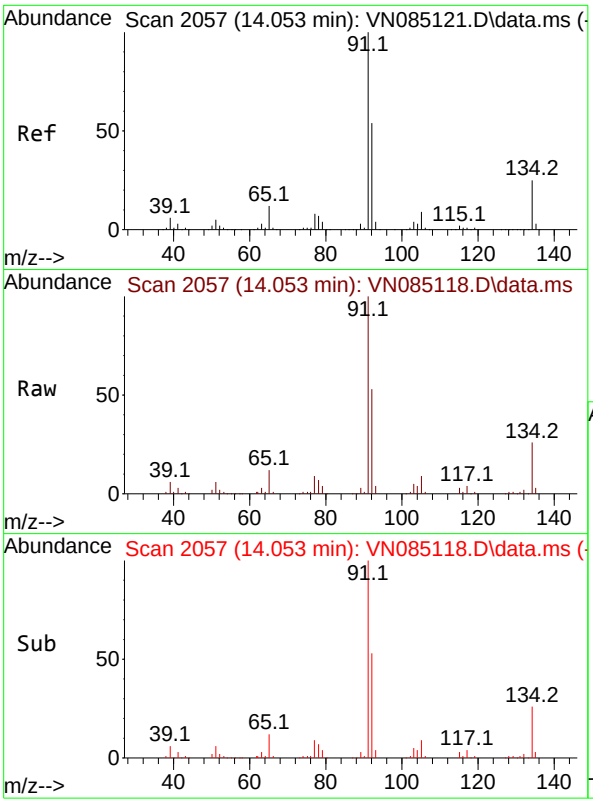


#84
1,4-Dichlorobenzene
Concen: 19.156 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:146 Resp: 75083

Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.3
148	63.1	31.6	94.7



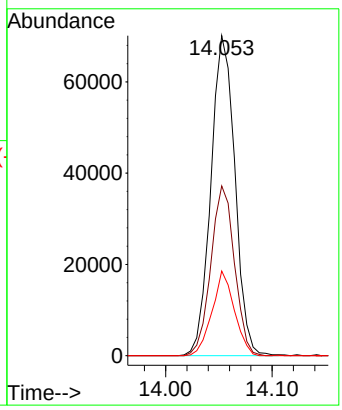


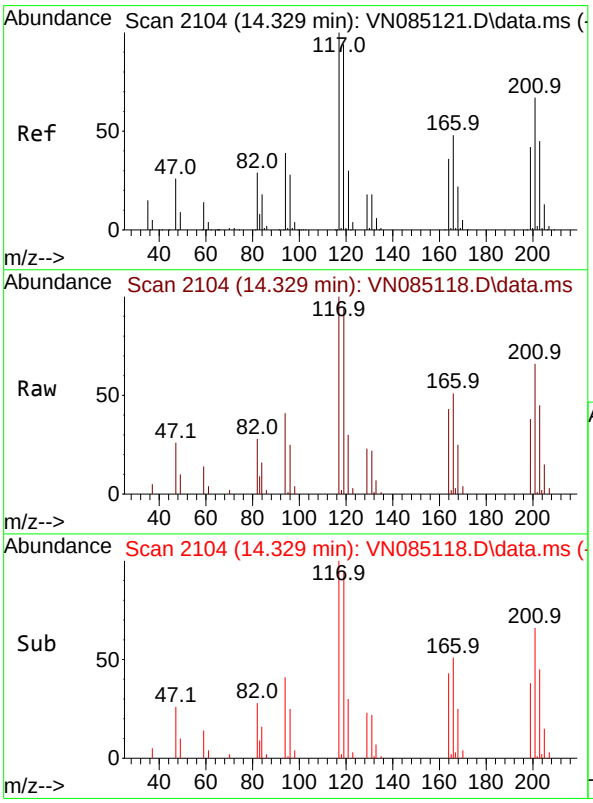
#85
n-Butylbenzene
Concen: 18.049 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 91 Resp: 109819

Ion	Ratio	Lower	Upper
91	100		
92	52.0	0.0	104.0
134	24.6	0.0	49.2

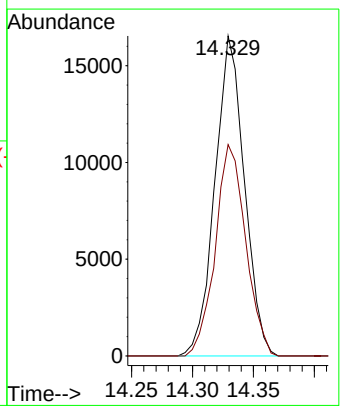


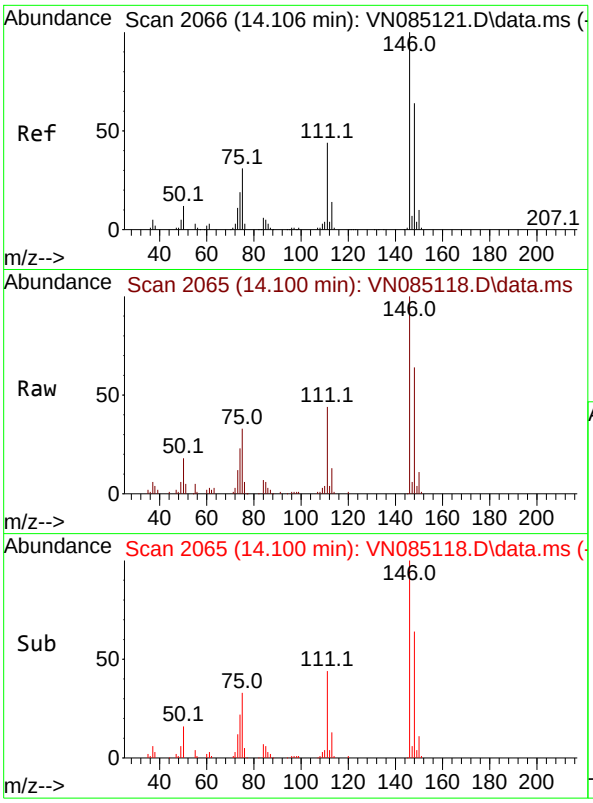


#86
Hexachloroethane
Concen: 19.248 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:117 Resp: 27795

Ion	Ratio	Lower	Upper
117	100		
201	68.2	34.1	102.3



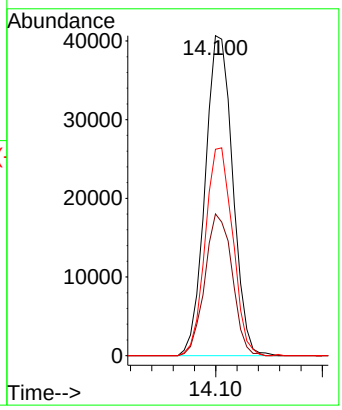


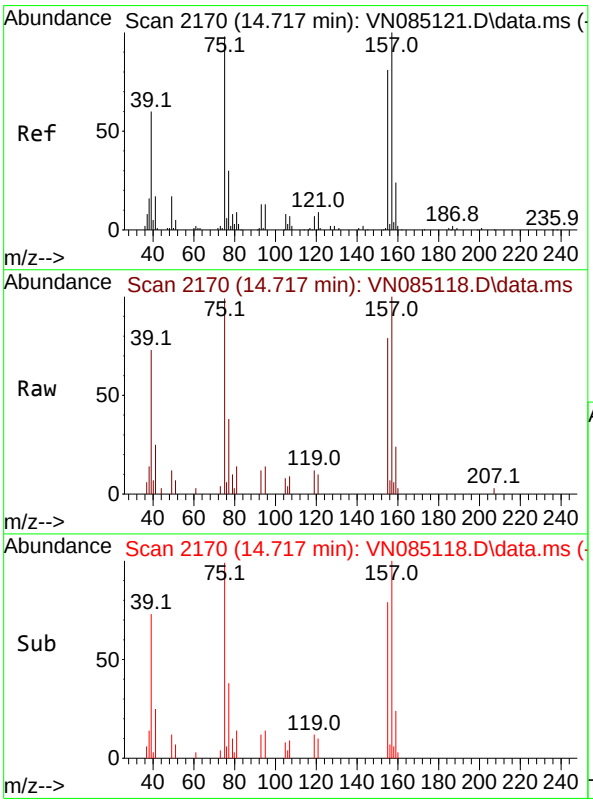
#87
1,2-Dichlorobenzene
Concen: 19.228 ug/l
RT: 14.100 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:146 Resp: 72993

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.9	65.7
148	64.7	32.4	97.0

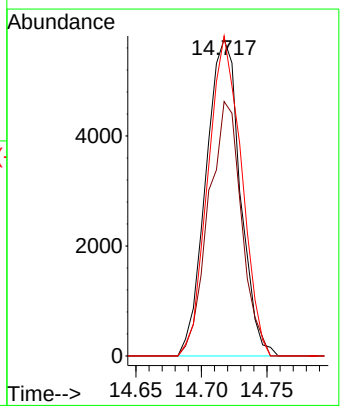


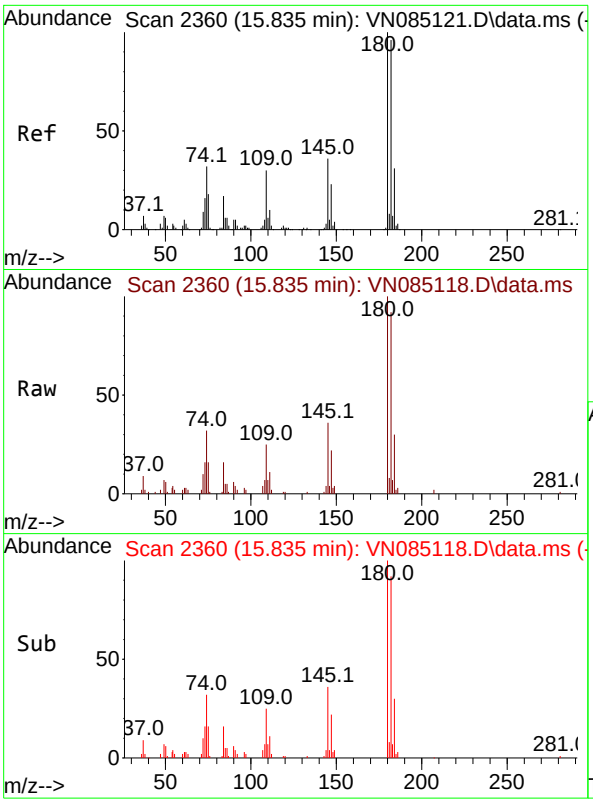


#88
1,2-Dibromo-3-Chloropropane
Concen: 19.634 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion: 75 Resp: 10448

Ion	Ratio	Lower	Upper
75	100		
155	77.6	62.1	93.1
157	99.1	79.3	118.9



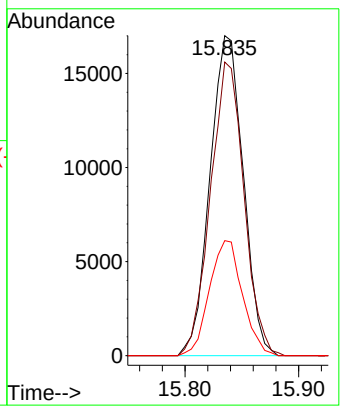


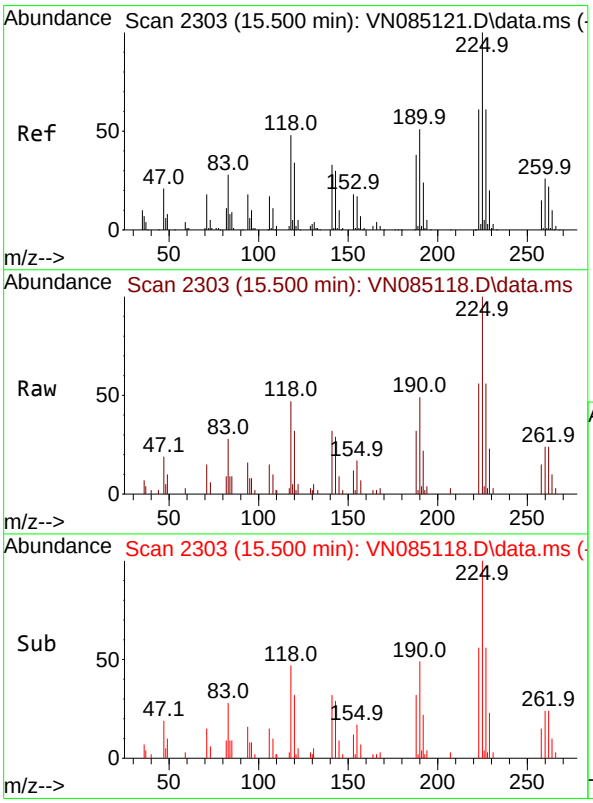
#89
1,2,4-Trichlorobenzene
Concen: 18.598 ug/l
RT: 15.835 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:180 Resp: 34577

Ion	Ratio	Lower	Upper
180	100		
182	92.5	74.0	111.0
145	35.8	28.6	43.0

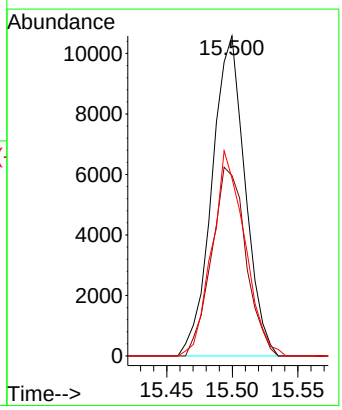


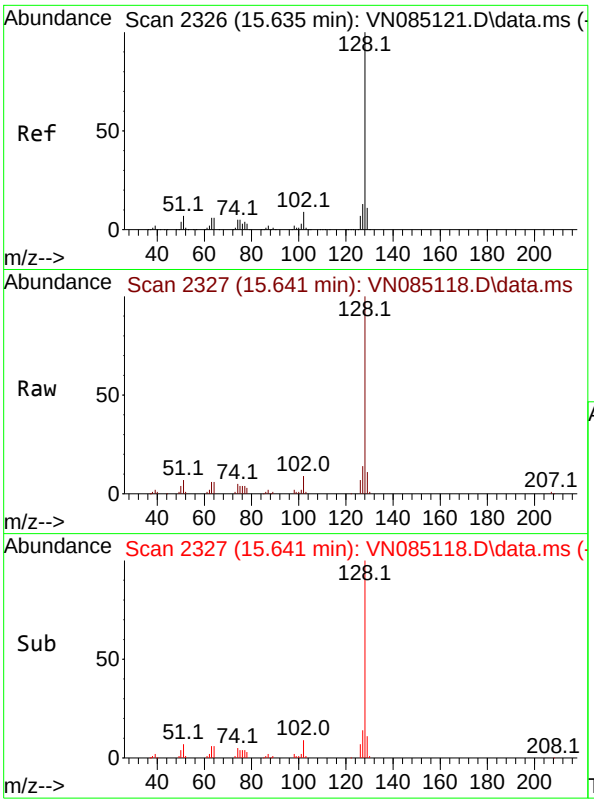


#90
Hexachlorobutadiene
Concen: 19.222 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:225 Resp: 18570

Ion	Ratio	Lower	Upper
225	100		
223	60.9	0.0	121.8
227	63.4	0.0	126.8



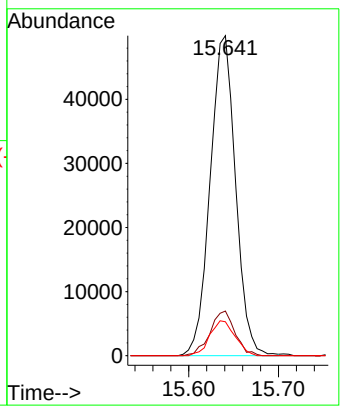


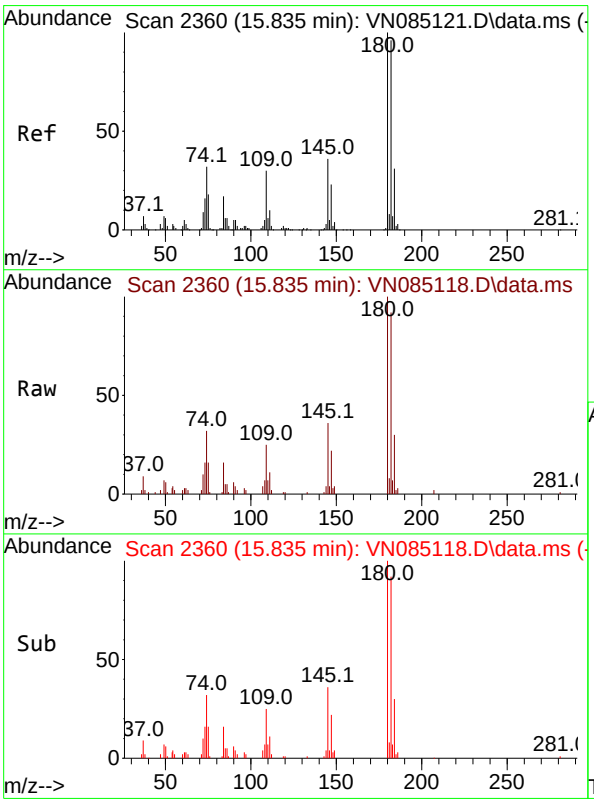
#91
Naphthalene
Concen: 17.011 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:128 Resp: 98254

Ion	Ratio	Lower	Upper
128	100		
127	13.7	11.0	16.4
129	10.9	8.7	13.1

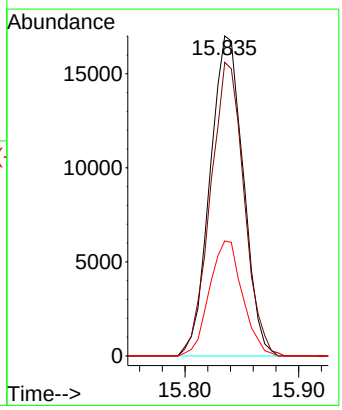




#92
1,2,3-Trichlorobenzene
Concen: 18.598 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085118.D
Acq: 06 Dec 2024 10:26

Tgt Ion:180 Resp: 34577

Ion	Ratio	Lower	Upper
180	100		
182	92.5	0.0	185.0
145	35.8	0.0	71.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085119.D
Acq On : 06 Dec 2024 10:49
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Quant Time: Dec 06 22:29:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	32631	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	169083	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	158595	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	73850	28.523	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 95.067%			
60) 4-Bromofluorobenzene	12.847	95	79229	30.193	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.633%			
63) Toluene-d8	10.565	98	220709	29.668	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	126923	48.618	ug/l	95
3) Chloromethane	2.359	50	109481	47.379	ug/l	97
4) Vinyl Chloride	2.512	62	110184	46.620	ug/l	95
5) Bromomethane	2.959	94	68578	45.702	ug/l	97
6) Chloroethane	3.124	64	68457	47.145	ug/l	96
7) Trichlorofluoromethane	3.500	101	180635	46.691	ug/l	99
8) Diethyl Ether	3.959	74	59301	48.393	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	103346	47.768	ug/l	97
10) 1,1-Dichloroethene	4.341	96	94788	47.699	ug/l	96
11) Methyl Iodide	4.589	142	133247	48.346	ug/l	97
12) Methyl Acetate	5.018	43	110575	47.166	ug/l	99
13) Acrolein	4.171	56	81406	238.946	ug/l	93
14) Acrylonitrile	5.712	53	233375	239.739	ug/l	97
15) Acetone	4.418	58	63386	240.283	ug/l	89
16) Carbon Disulfide	4.712	76	275285	46.345	ug/l	100
17) Allyl chloride	5.024	41	137437	48.333	ug/l	92
18) Methylene Chloride	5.277	84	104822	46.488	ug/l	98
19) trans-1,2-Dichloroethene	5.788	96	96901	46.913	ug/l	90
20) Diisopropyl ether	6.671	45	301677	48.342	ug/l	99
21) 1,1-Dichloroethane	6.565	63	177808	46.165	ug/l	99
22) cis-1,2-Dichloroethene	7.482	96	113782	47.926	ug/l	98
23) tert-Butyl Alcohol	5.512	59	80412	230.265	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	300411	48.425	ug/l #	77
25) Chloroform	7.965	83	190773	47.279	ug/l	98
26) Cyclohexane	8.253	56	158534	49.989	ug/l	98
29) 1,1-Dichloropropene	8.371	75	131946	48.360	ug/l	99
30) 2-Butanone	7.477	43	307572	245.653	ug/l	99
31) 2,2-Dichloropropane	7.488	77	169610	48.478	ug/l #	100
32) 1,1,1-Trichloroethane	8.165	97	174371	47.217	ug/l	98
33) Carbon Tetrachloride	8.359	117	159586	47.889	ug/l	97
34) Benzene	8.606	78	410169	47.855	ug/l	98
35) Methacrylonitrile	7.777	41	72876	51.722	ug/l	91
36) 1,2-Dichloroethane	8.671	62	138391	47.430	ug/l	100
37) Trichloroethene	9.353	130	96801	47.426	ug/l	96
38) Methylcyclohexane	9.600	83	148222	49.963	ug/l	95
39) 1,2-Dichloropropane	9.618	63	98790	47.586	ug/l	96
40) Dibromomethane	9.706	93	71433	47.969	ug/l	99
41) Bromodichloromethane	9.882	83	152481	47.898	ug/l	96
42) Vinyl Acetate	6.600	43	1122209	256.138	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085119.D
Acq On : 06 Dec 2024 10:49
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Quant Time: Dec 06 22:29:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration

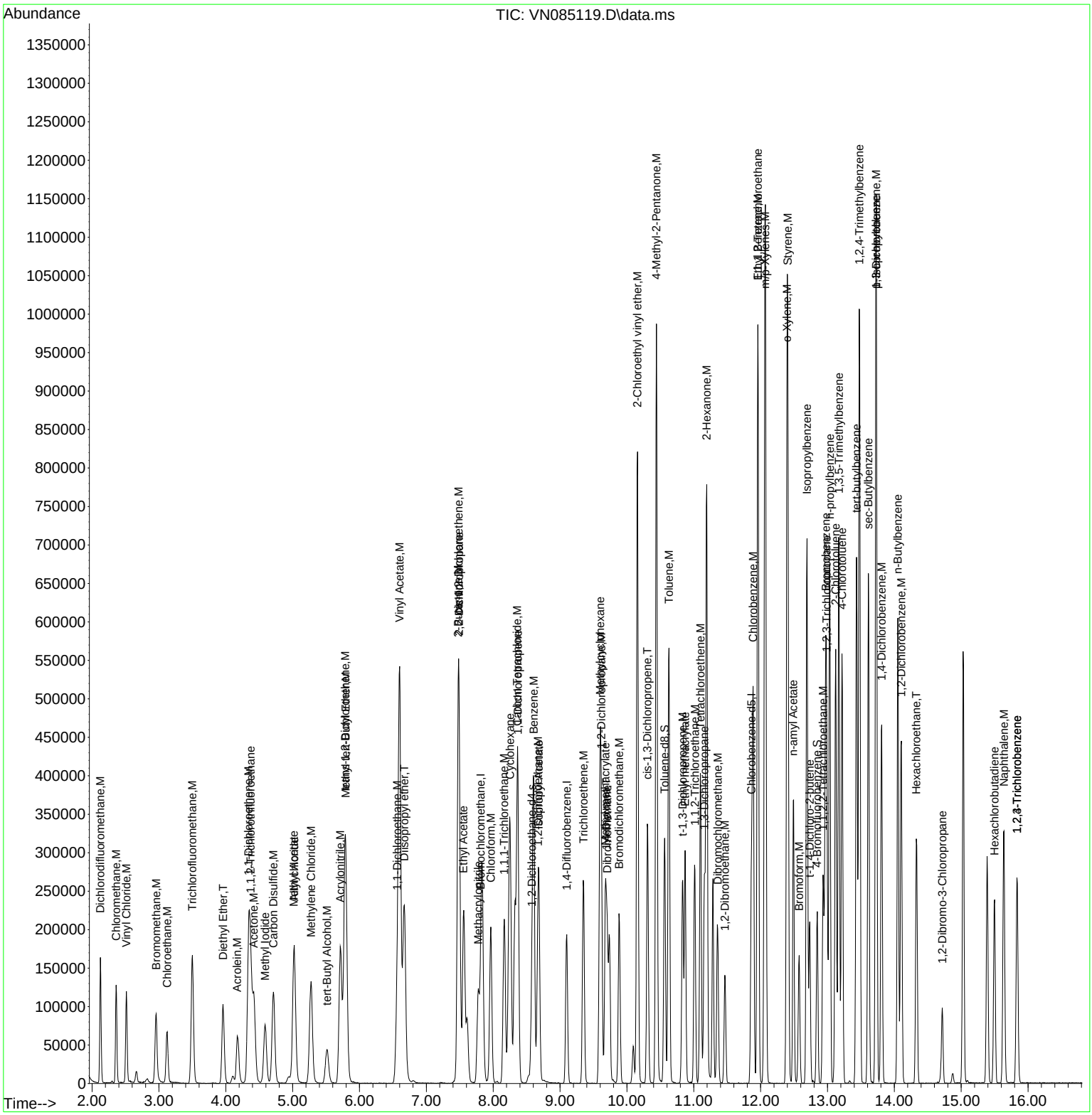
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	124173	49.844	ug/l #	92
44) Isopropyl Acetate	8.682	43	211189	48.782	ug/l	99
45) 1,4-Dioxane	9.694	88	35720	989.420	ug/l	95
46) Methyl methacrylate	9.676	41	97397	49.158	ug/l	94
47) n-amyl Acetate	12.488	43	184994	50.788	ug/l	95
48) t-1,3-Dichloropropene	10.835	75	152504	48.801	ug/l	98
49) cis-1,3-Dichloropropene	10.306	75	164287	48.292	ug/l	96
50) 1,1,2-Trichloroethane	11.018	97	94692	47.189	ug/l	98
51) Ethyl methacrylate	10.870	69	152776	50.057	ug/l	97
52) 1,3-Dichloropropane	11.159	76	164130	48.874	ug/l	99
53) Dibromochloromethane	11.359	129	116277	47.550	ug/l	97
54) 1,2-Dibromoethane	11.465	107	98049	48.496	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	363042	256.062	ug/l	100
56) Bromoform	12.576	173	79589	48.542	ug/l	96
58) 4-Methyl-2-Pentanone	10.441	43	638976	246.869	ug/l	98
59) 2-Hexanone	11.194	43	490910	250.312	ug/l	98
61) Tetrachloroethene	11.100	164	90418	47.078	ug/l	96
62) Toluene	10.629	91	444180	48.023	ug/l	99
64) Chlorobenzene	11.888	112	274152	48.008	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	101559	47.641	ug/l	95
66) Ethyl Benzene	11.959	91	487612	49.682	ug/l	96
67) m/p-Xylenes	12.070	106	373298	98.889	ug/l	95
68) o-Xylene	12.394	106	179899	50.744	ug/l	97
69) Styrene	12.406	104	307715	51.151	ug/l	98
70) Isopropylbenzene	12.694	105	461786	50.502	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	132922	47.759	ug/l	97
72) 1,2,3-Trichloropropane	12.988	75	176818	64.314	ug/l	76
73) Bromobenzene	12.976	156	111567	48.711	ug/l	99
74) n-propylbenzene	13.035	91	550361	50.065	ug/l	99
75) 2-Chlorotoluene	13.123	91	334590	49.227	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	393277	50.202	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	48505	48.553	ug/l	97
78) 4-Chlorotoluene	13.217	91	336818	48.823	ug/l	98
79) tert-butylbenzene	13.435	119	324073	50.365	ug/l	99
80) 1,2,4-Trimethylbenzene	13.476	105	396249	51.207	ug/l	100
81) sec-Butylbenzene	13.611	105	456540	49.942	ug/l	99
82) p-Isopropyltoluene	13.729	119	386040	50.937	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	204168	48.588	ug/l	99
84) 1,4-Dichlorobenzene	13.811	146	200637	48.993	ug/l	99
85) n-Butylbenzene	14.053	91	325144	51.146	ug/l	99
86) Hexachloroethane	14.329	117	71737	47.548	ug/l	96
87) 1,2-Dichlorobenzene	14.106	146	193910	48.889	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	26674	47.975	ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	96150	49.499	ug/l	98
90) Hexachlorobutadiene	15.500	225	45780	45.354	ug/l	97
91) Naphthalene	15.641	128	310785	51.498	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	96150	49.499	ug/l	98

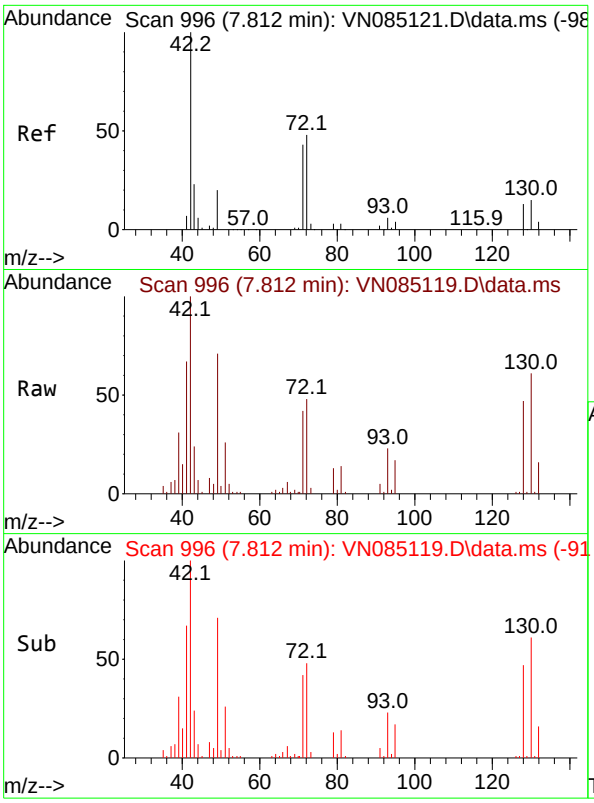
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN085119.D
Acq On : 06 Dec 2024 10:49
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Quant Time: Dec 06 22:29:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration



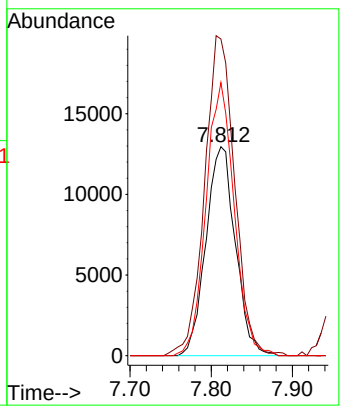


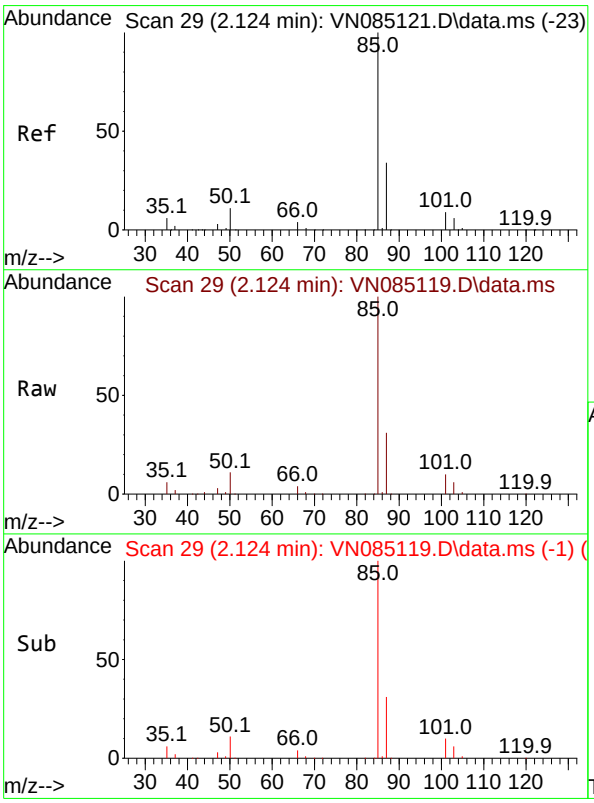
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:128 Resp: 32631

Ion	Ratio	Lower	Upper
128	100		
49	155.7	0.0	394.5
130	125.6	0.0	316.5

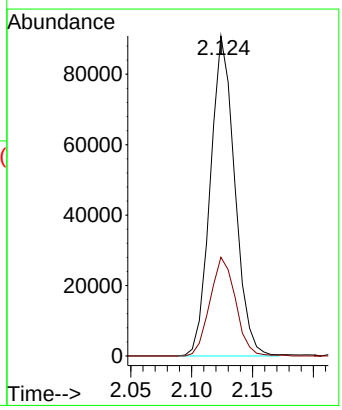


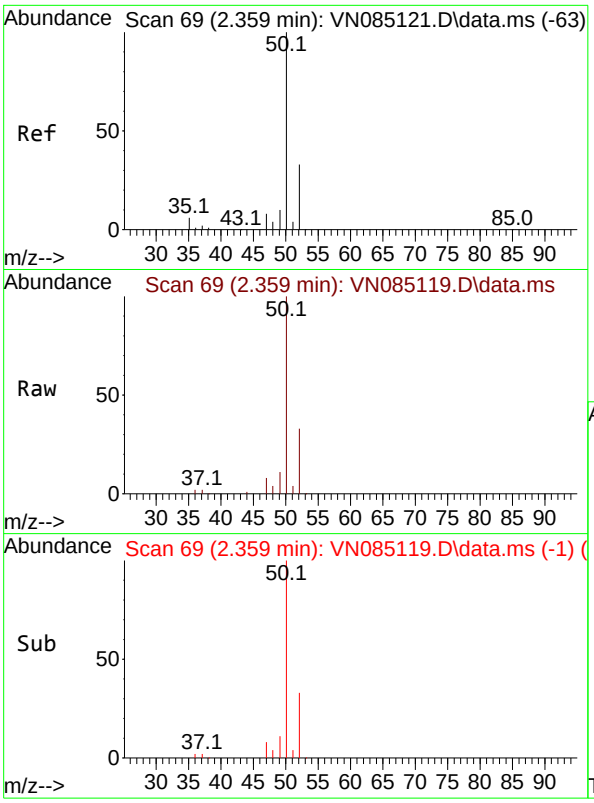


#2
Dichlorodifluoromethane
Concen: 48.618 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 85 Resp: 126923

Ion	Ratio	Lower	Upper
85	100		
87	30.9	16.8	50.3



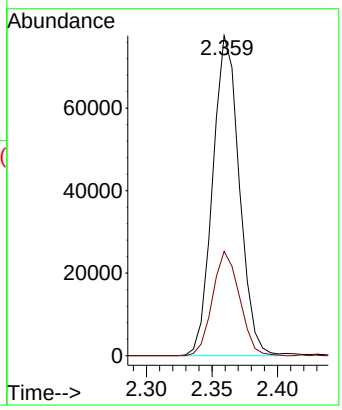


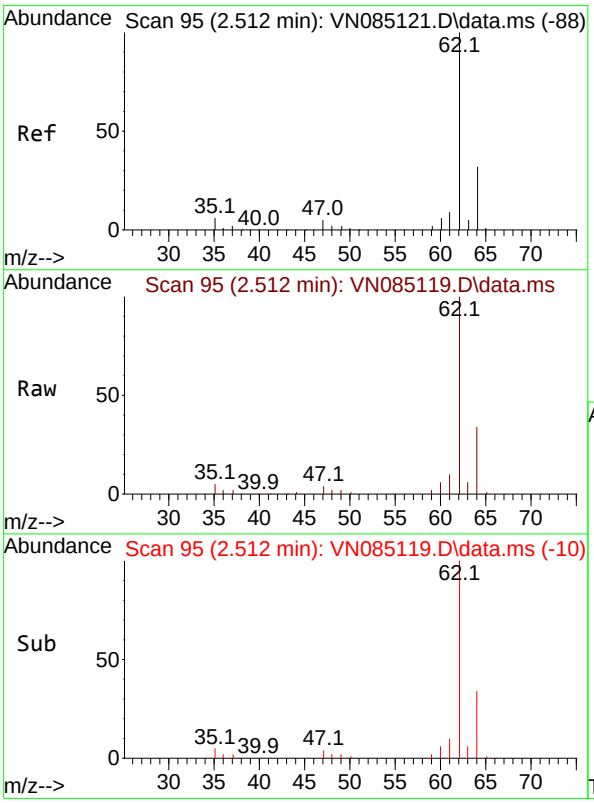
#3
Chloromethane
Concen: 47.379 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 50 Resp: 109481

Ion	Ratio	Lower	Upper
50	100		
52	32.6	25.0	37.4

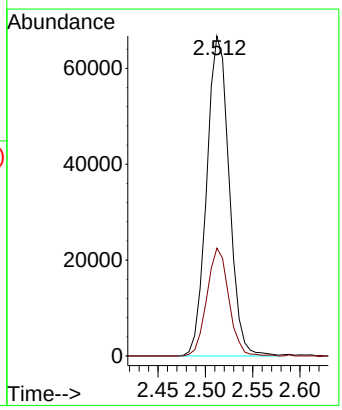


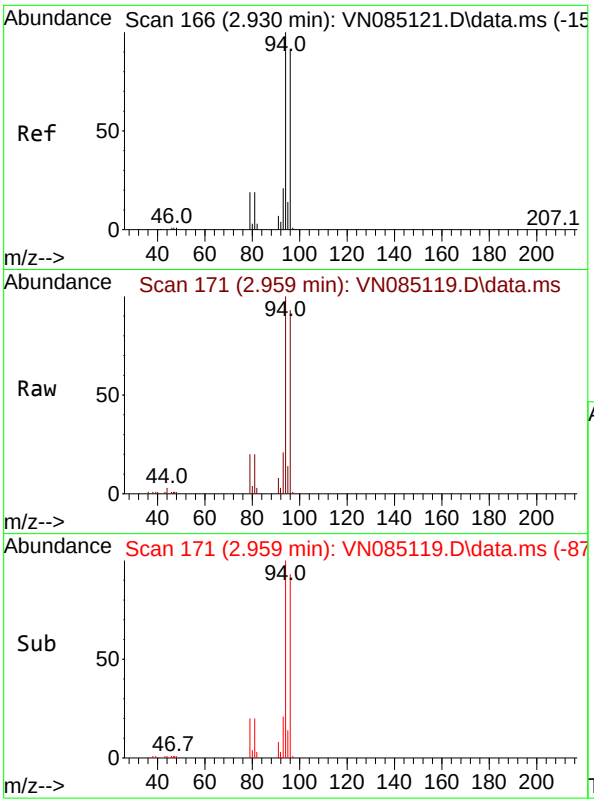


#4
Vinyl Chloride
Concen: 46.620 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 62 Resp: 110184

Ion	Ratio	Lower	Upper
62	100		
64	33.7	24.9	37.3



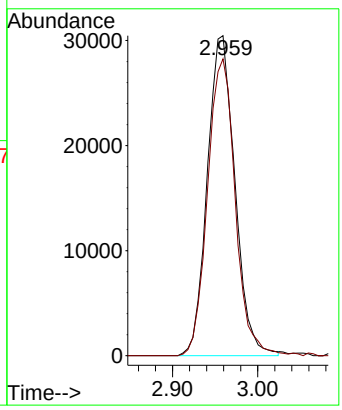


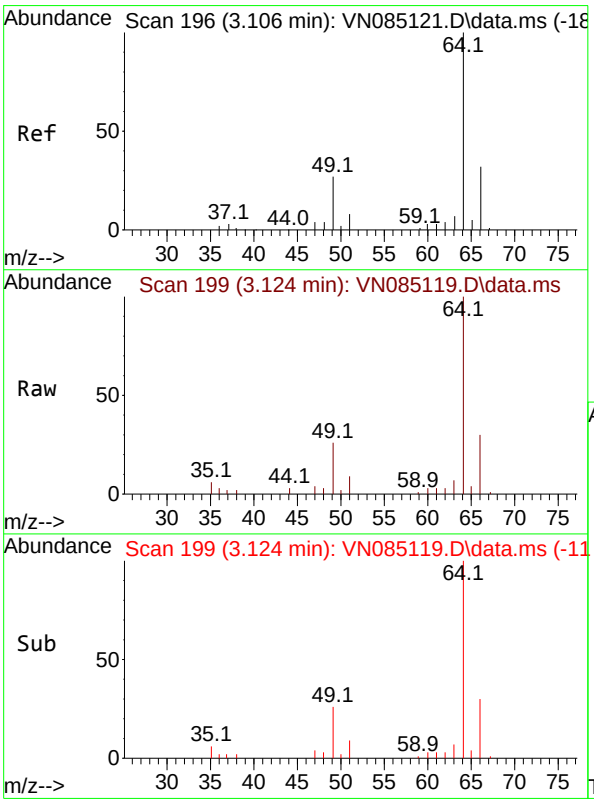
#5
Bromomethane
Concen: 45.702 ug/l
RT: 2.959 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 94 Resp: 68578

Ion	Ratio	Lower	Upper
94	100		
96	92.8	76.2	114.4

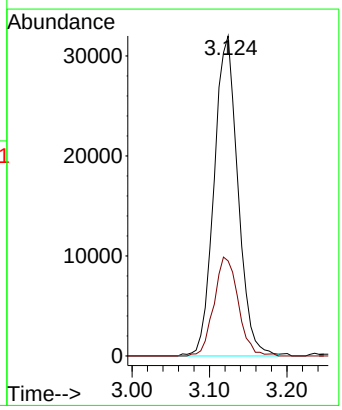


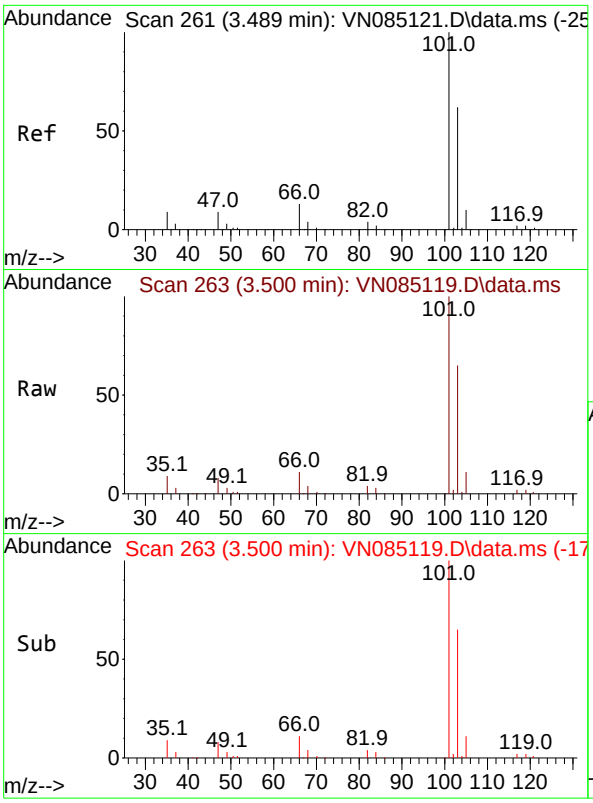


#6
Chloroethane
Concen: 47.145 ug/l
RT: 3.124 min Scan# 199
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 64 Resp: 68457

Ion	Ratio	Lower	Upper
64	100		
66	29.7	25.5	38.3



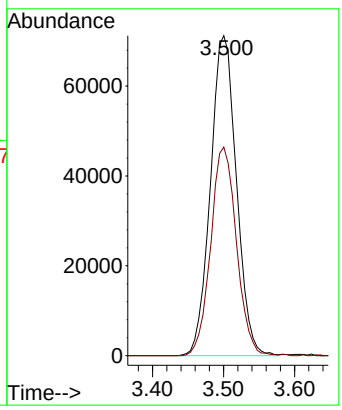


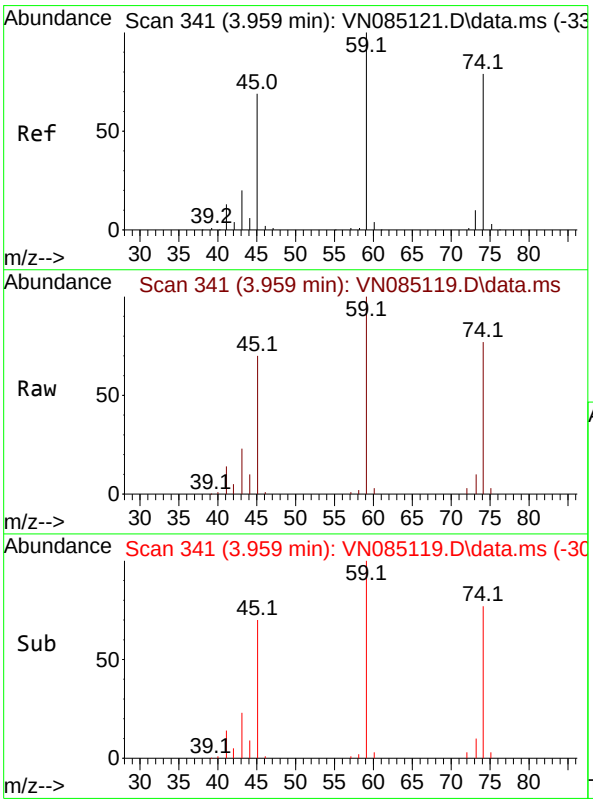
#7
Trichlorofluoromethane
Concen: 46.691 ug/l
RT: 3.500 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:101 Resp: 180635

Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.3	76.9

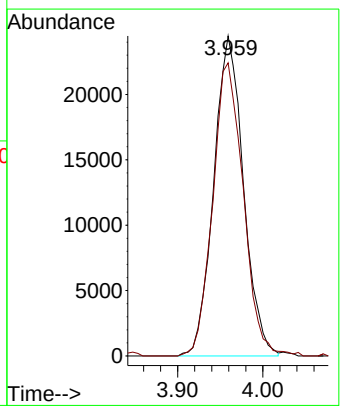


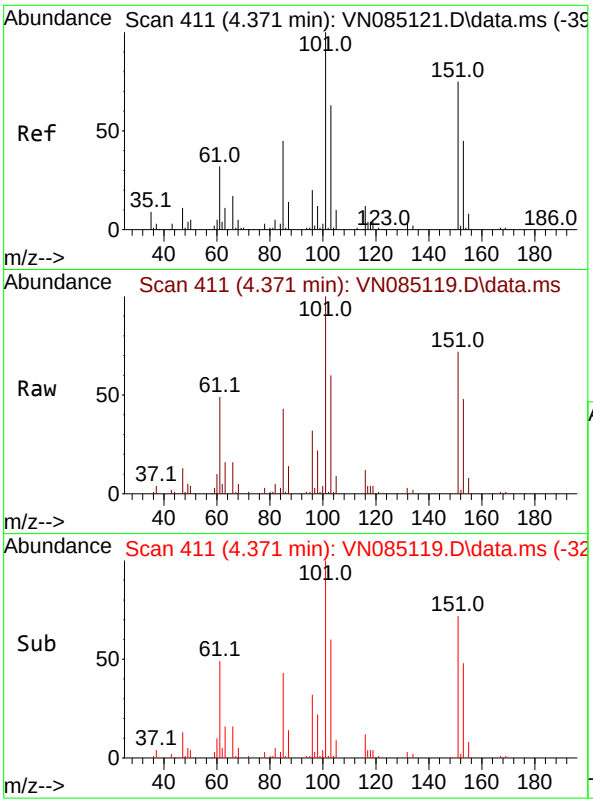


#8
Diethyl Ether
Concen: 48.393 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 74 Resp: 59301

Ion	Ratio	Lower	Upper
74	100		
45	93.5	18.6	167.8



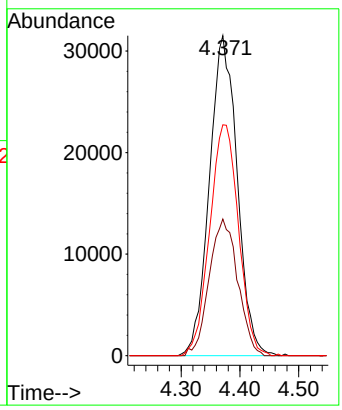


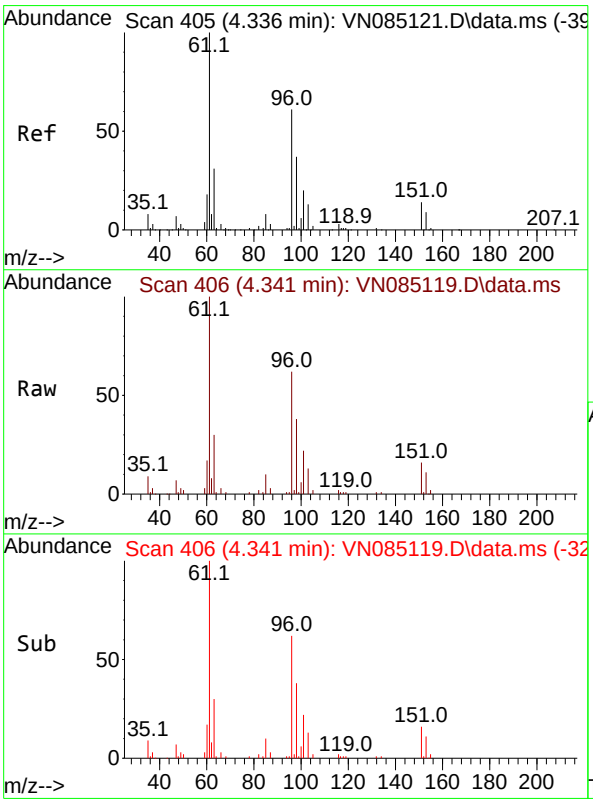
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.768 ug/l
RT: 4.371 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:101 Resp: 103346

Ion	Ratio	Lower	Upper
101	100		
85	43.9	0.0	88.6
151	74.8	0.0	155.8

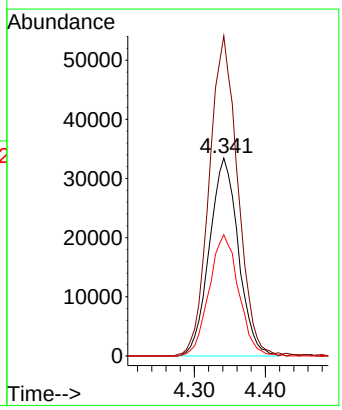


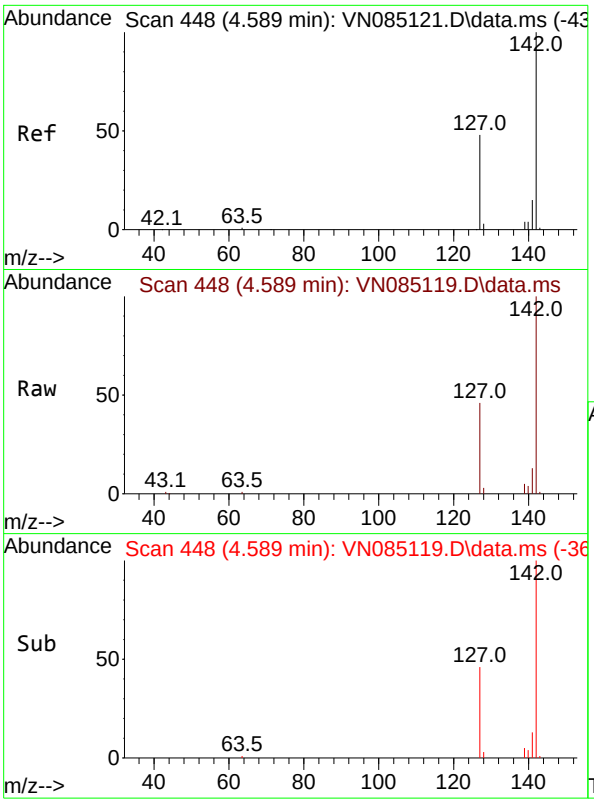


#10
1,1-Dichloroethene
Concen: 47.699 ug/l
RT: 4.341 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 96 Resp: 94788

Ion	Ratio	Lower	Upper
96	100		
61	160.9	123.0	184.4
98	61.2	49.1	73.7



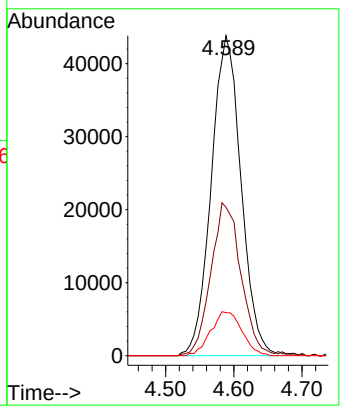


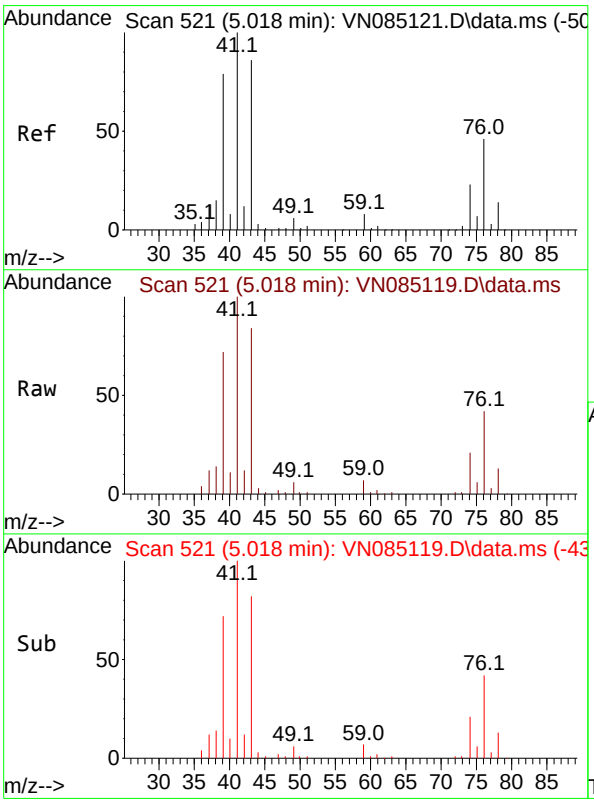
#11
Methyl Iodide
Concen: 48.346 ug/l
RT: 4.589 min Scan# 44
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:142 Resp: 133247

Ion	Ratio	Lower	Upper
142	100		
127	45.9	22.5	67.5
141	13.5	8.3	24.9

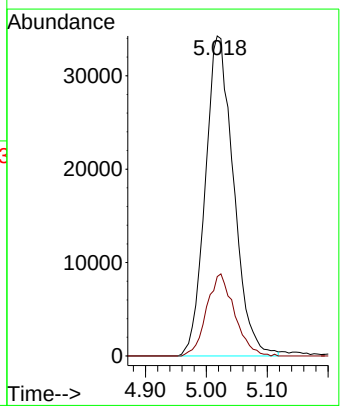


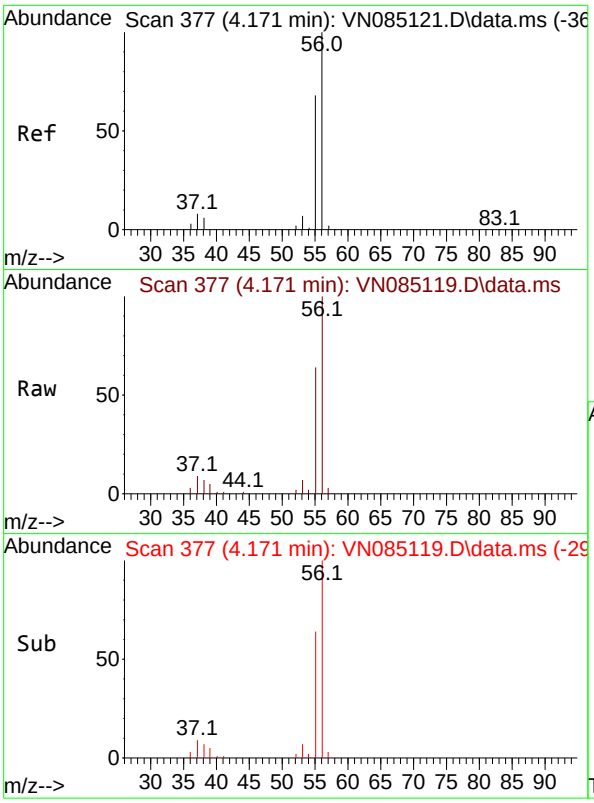


#12
Methyl Acetate
Concen: 47.166 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 43 Resp: 110575

Ion	Ratio	Lower	Upper
43	100		
74	25.0	19.8	29.6



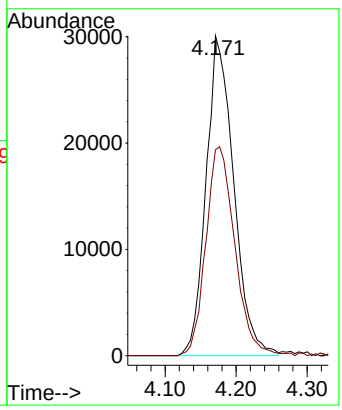


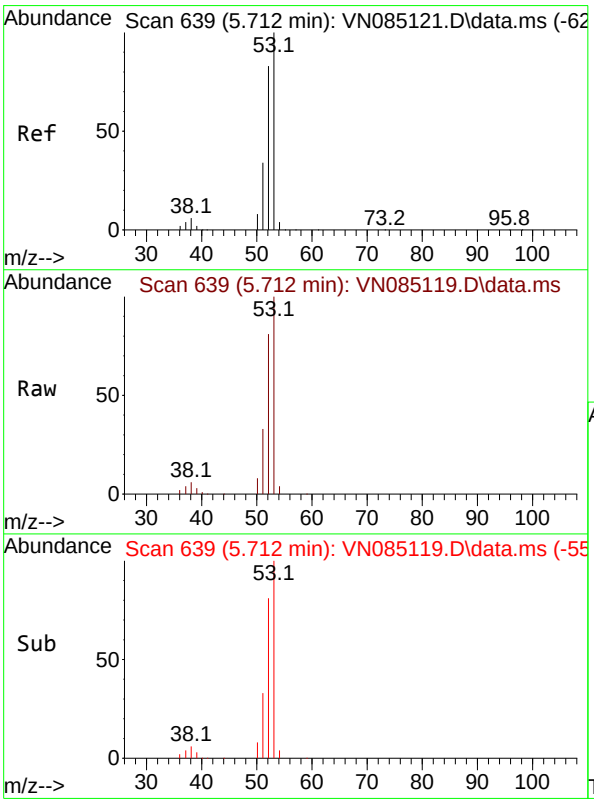
#13
Acrolein
Concen: 238.946 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.012 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 56 Resp: 81406

Ion	Ratio	Lower	Upper
56	100		
55	68.3	59.4	89.0

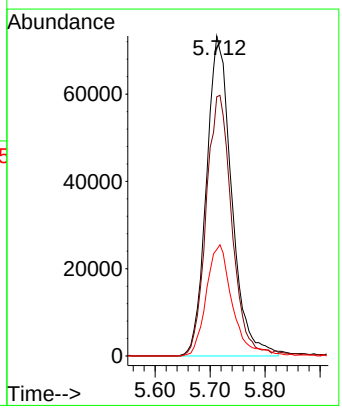


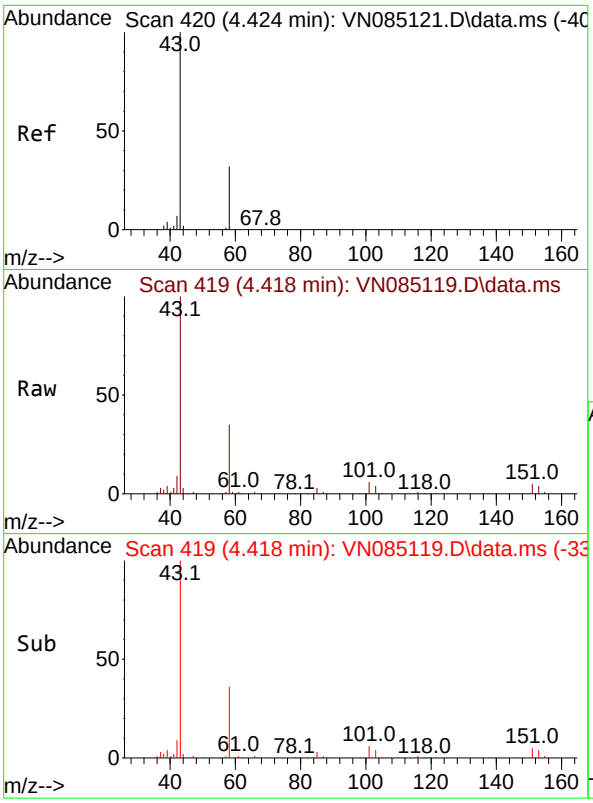


#14
Acrylonitrile
Concen: 239.739 ug/l
RT: 5.712 min Scan# 639
Delta R.T. -0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 53 Resp: 233375

Ion	Ratio	Lower	Upper
53	100		
52	82.5	42.9	128.5
51	36.1	17.2	51.5



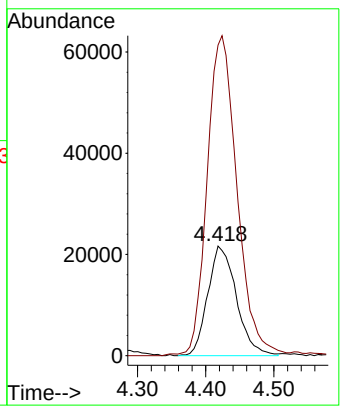


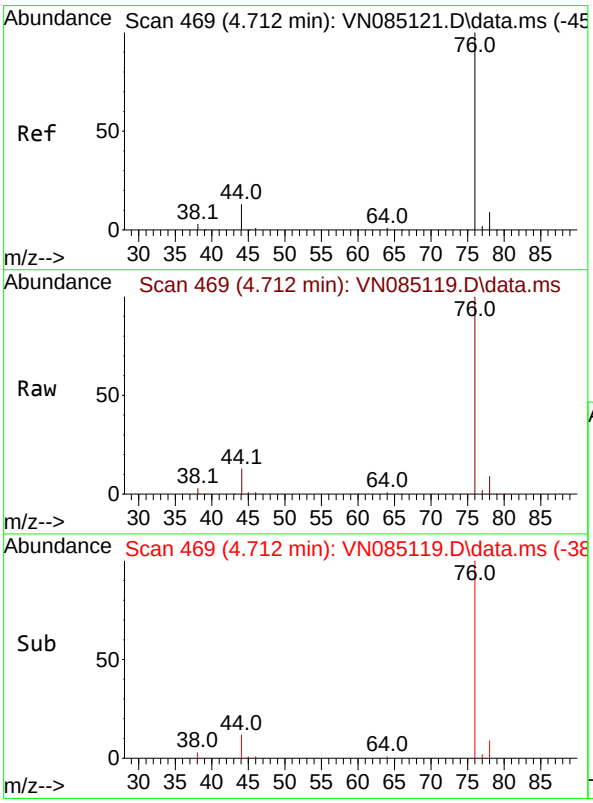
#15
Acetone
Concen: 240.283 ug/l
RT: 4.418 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 58 Resp: 63386

Ion	Ratio	Lower	Upper
58	100		
43	281.8	242.3	363.5

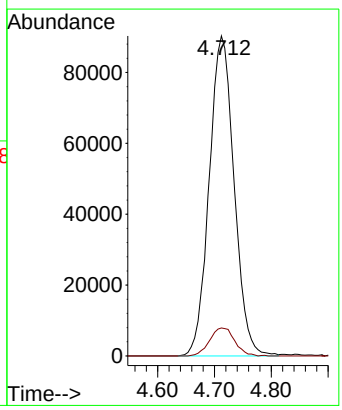


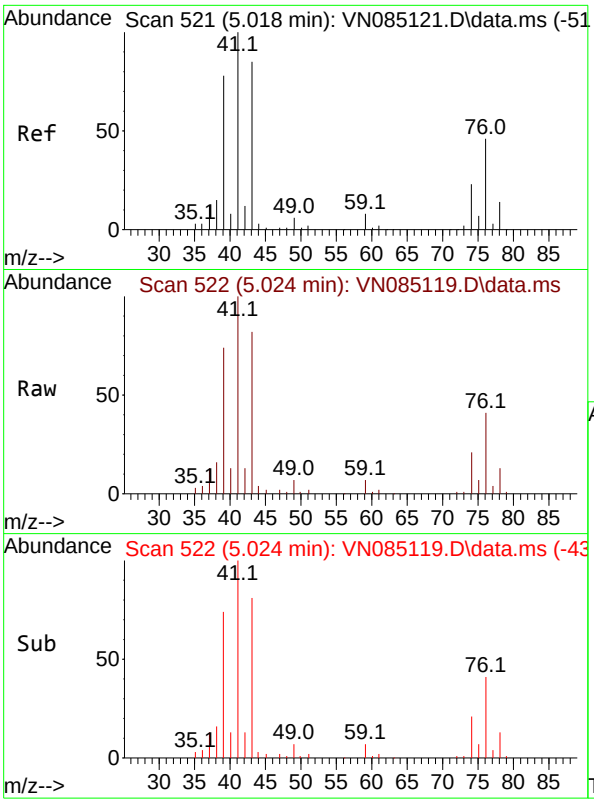


#16
Carbon Disulfide
Concen: 46.345 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 76 Resp: 275285

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7



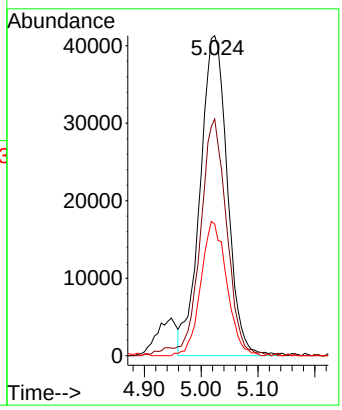


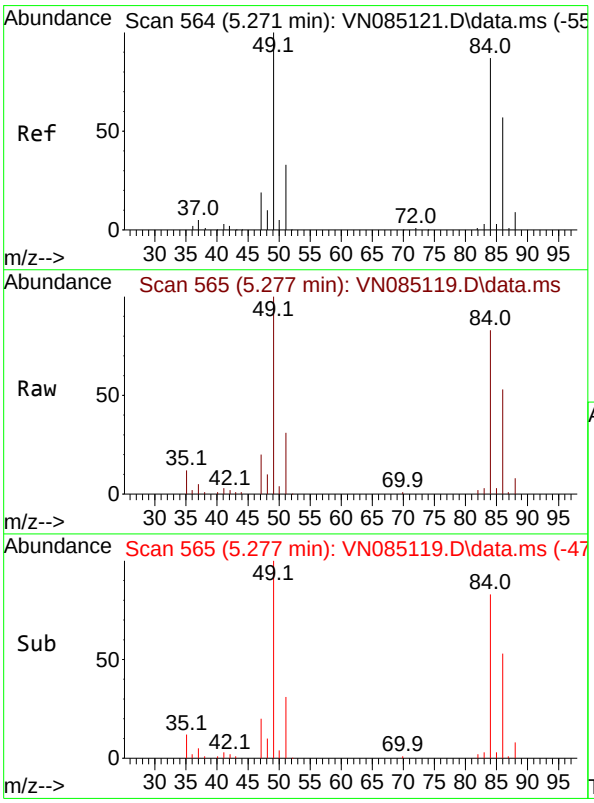
#17
Allyl chloride
Concen: 48.333 ug/l
RT: 5.024 min Scan# 5
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 41 Resp: 137437

Ion	Ratio	Lower	Upper
41	100		
39	73.5	32.0	96.2
76	41.3	20.2	60.5

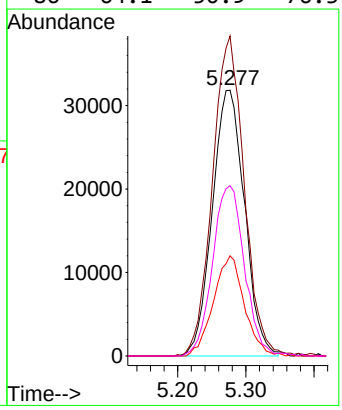


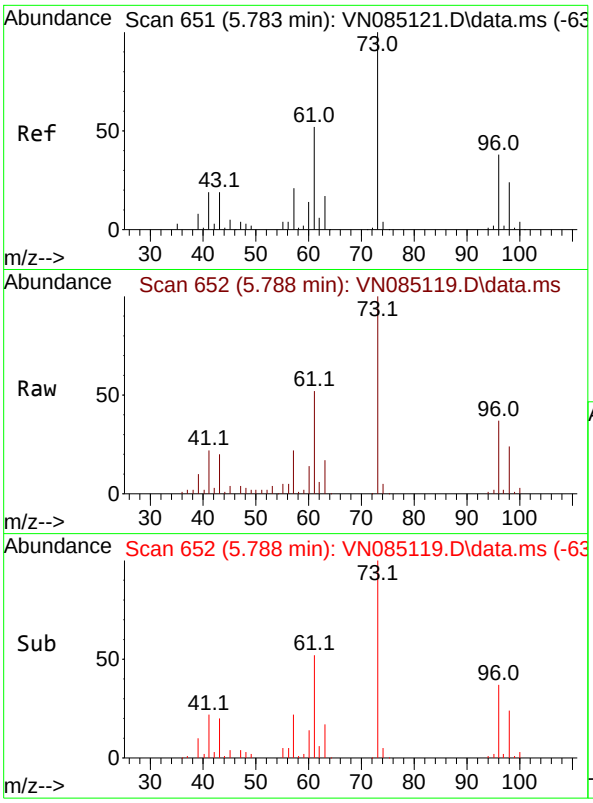


#18
Methylene Chloride
Concen: 46.488 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 84 Resp: 104822

Ion	Ratio	Lower	Upper
84	100		
49	119.9	95.1	142.7
51	37.7	27.4	41.0
86	64.1	50.9	76.3



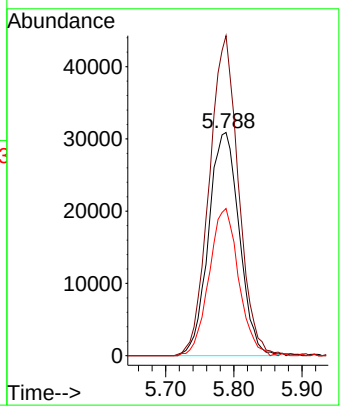


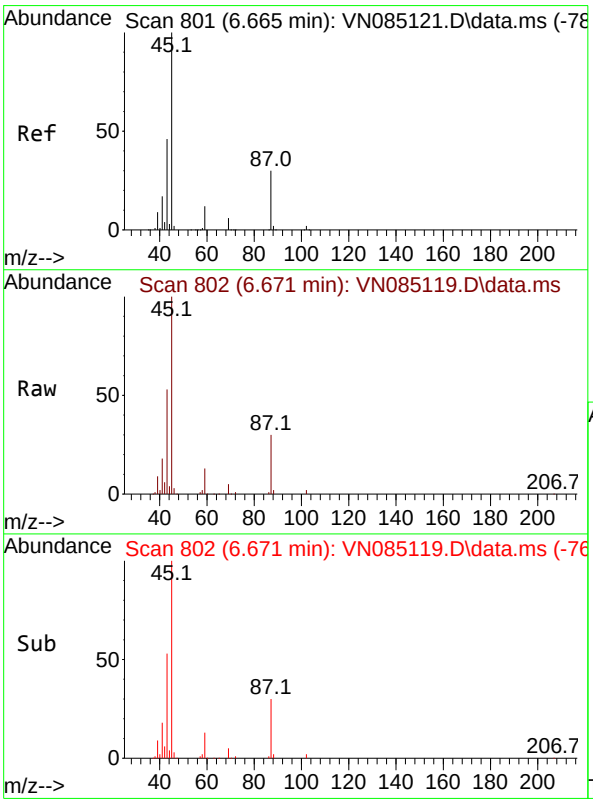
#19
trans-1,2-Dichloroethene
Concen: 46.913 ug/l
RT: 5.788 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 96 Resp: 96901

Ion	Ratio	Lower	Upper
96	100		
61	142.7	100.4	150.6
98	66.0	52.6	79.0

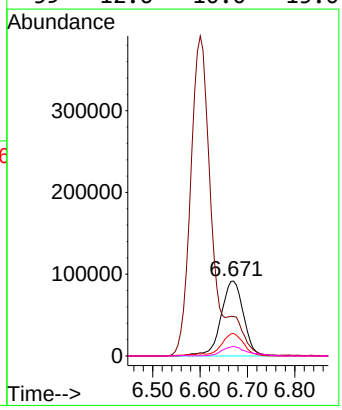


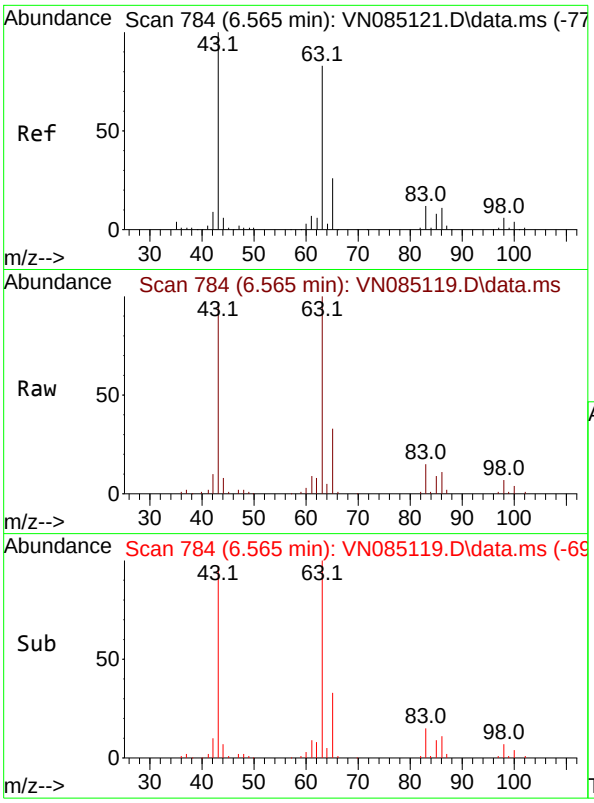


#20
Diisopropyl ether
Concen: 48.342 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 45 Resp: 301677

Ion	Ratio	Lower	Upper
45	100		
43	51.8	41.9	62.9
87	30.1	24.1	36.1
59	12.6	10.0	15.0



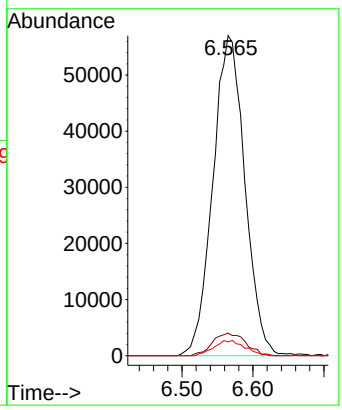


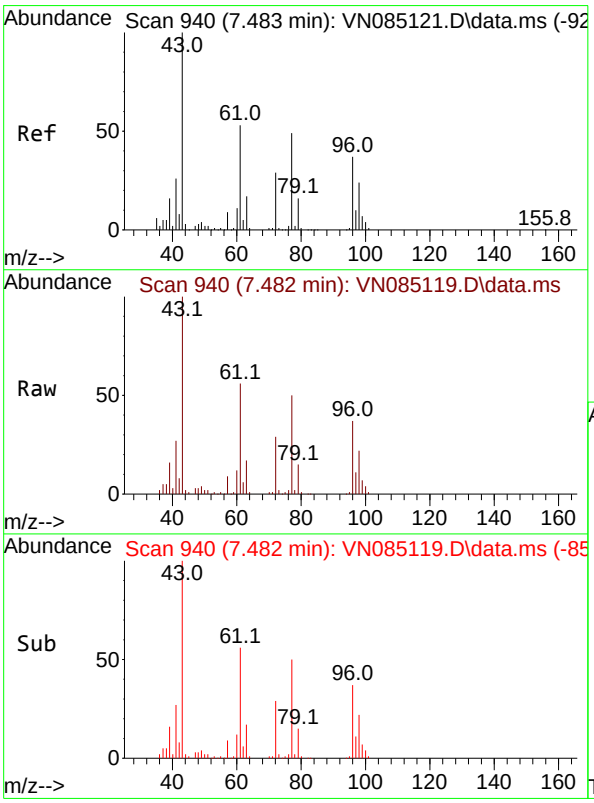
#21
1,1-Dichloroethane
Concen: 46.165 ug/l
RT: 6.565 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 63 Resp: 177808

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.4
100	4.3	1.6	4.8

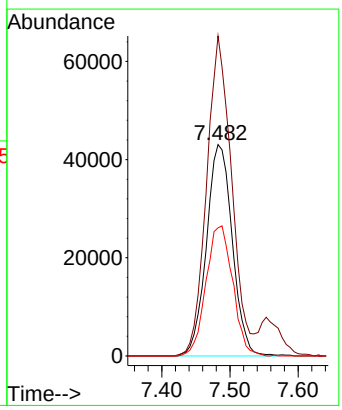


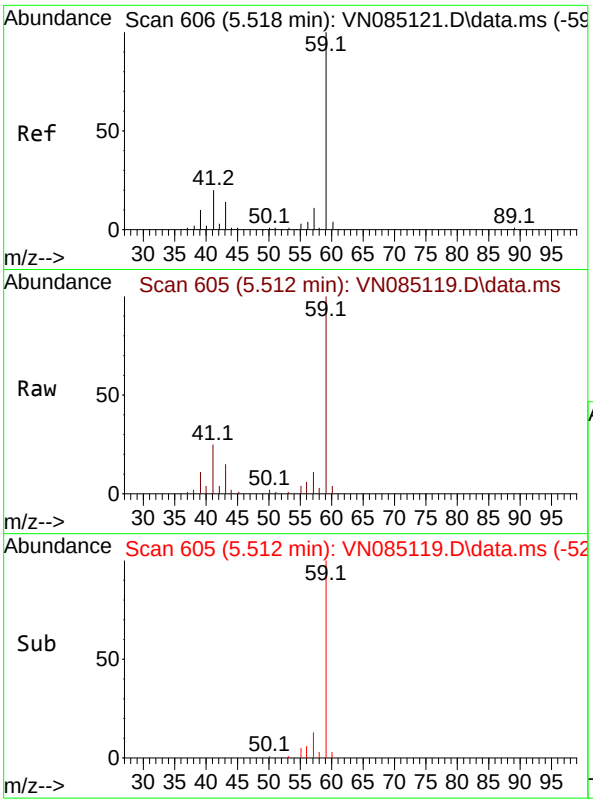


#22
cis-1,2-Dichloroethene
Concen: 47.926 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 96 Resp: 113782

Ion	Ratio	Lower	Upper
96	100		
61	146.6	115.9	173.9
98	63.4	51.8	77.8



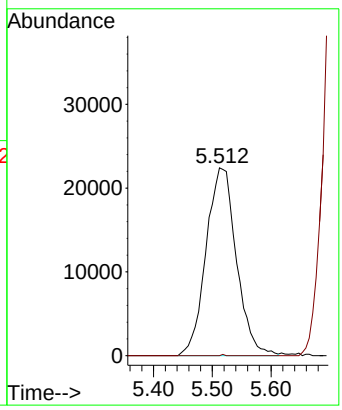


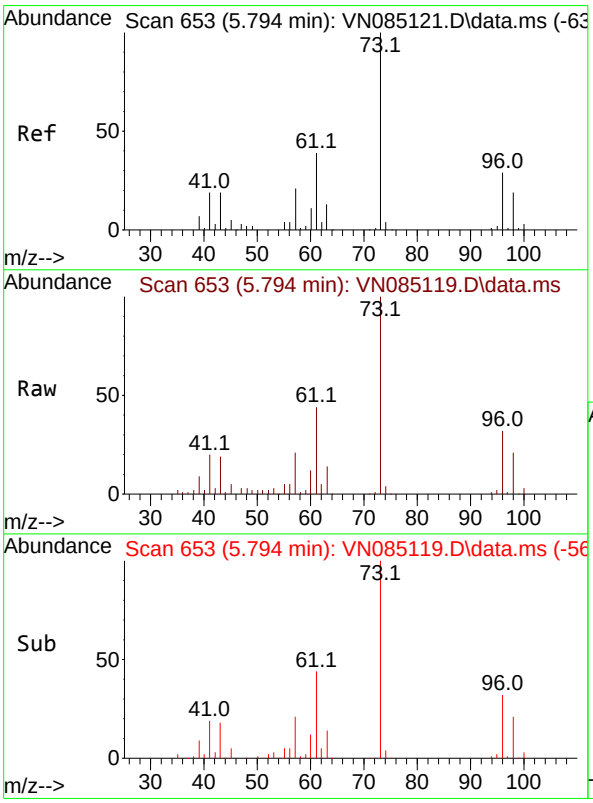
#23
tert-Butyl Alcohol
Concen: 230.265 ug/l
RT: 5.512 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 59 Resp: 80412

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

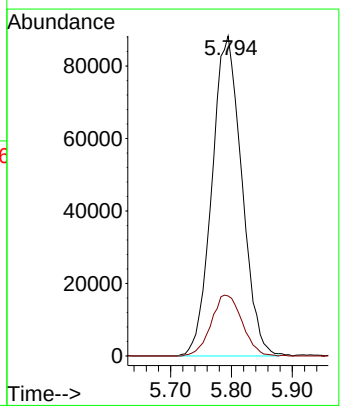


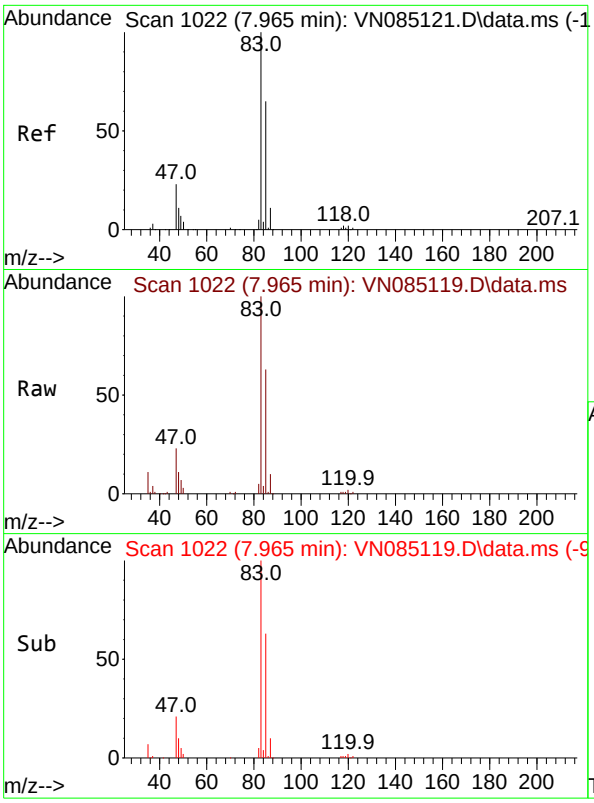


#24
Methyl tert-Butyl Ether
Concen: 48.425 ug/l
RT: 5.794 min Scan# 653
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 73 Resp: 300411

Ion	Ratio	Lower	Upper
73	100		
43	19.7	8.7	13.1#



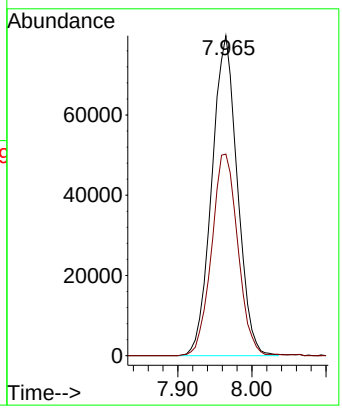


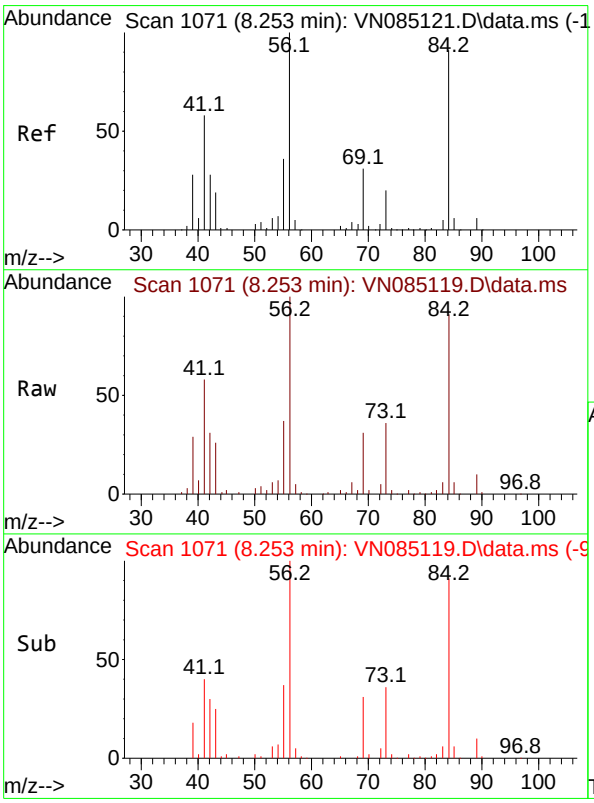
#25
Chloroform
Concen: 47.279 ug/l
RT: 7.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 83 Resp: 190773

Ion	Ratio	Lower	Upper
83	100		
85	63.0	49.4	74.0

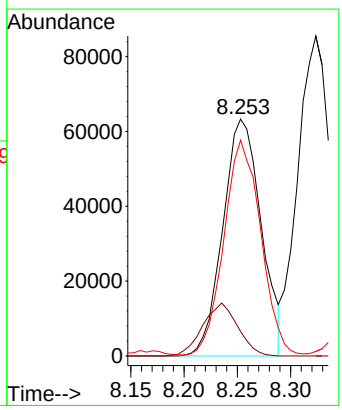


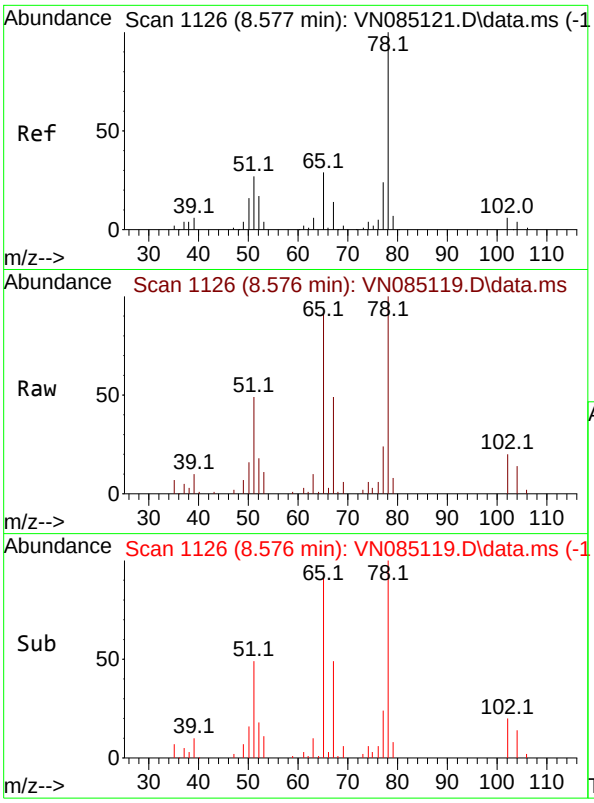


#26
Cyclohexane
Concen: 49.989 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 56 Resp: 158534

Ion	Ratio	Lower	Upper
56	100		
89	20.5	19.5	29.3
84	88.2	70.6	105.8



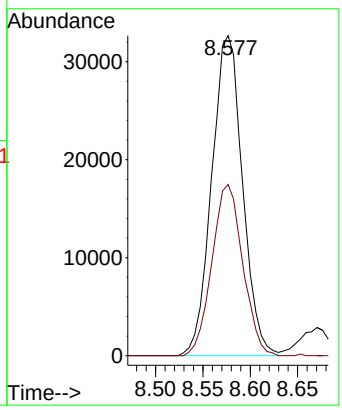


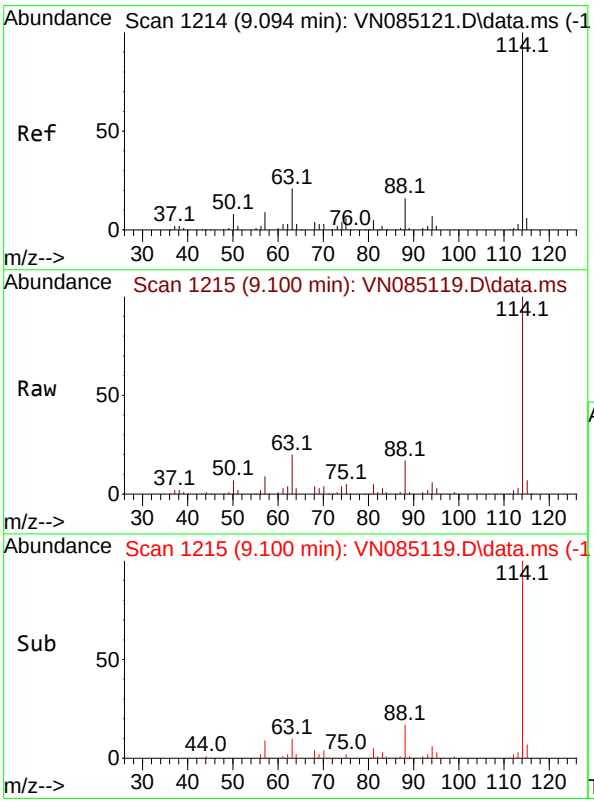
#27
1,2-Dichloroethane-d4
Concen: 28.523 ug/l
RT: 8.576 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 65 Resp: 73850

Ion	Ratio	Lower	Upper
65	100		
67	53.5	39.9	59.9

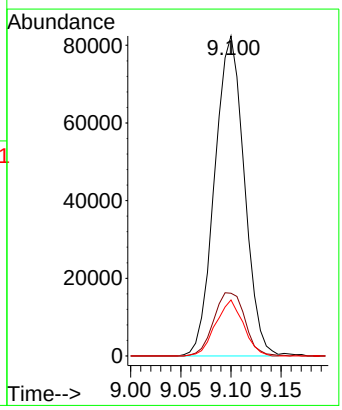


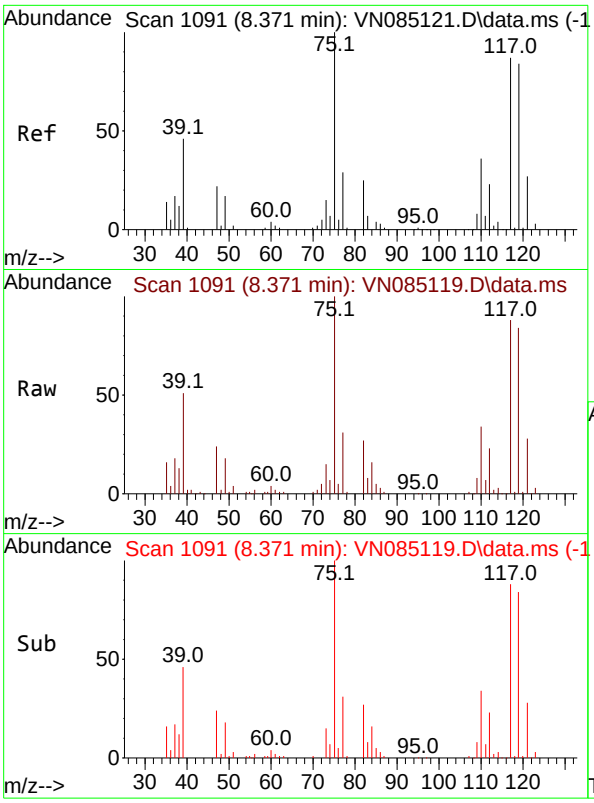


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:114 Resp: 169083

Ion	Ratio	Lower	Upper
114	100		
63	20.9	16.2	24.2
88	16.4	12.5	18.7



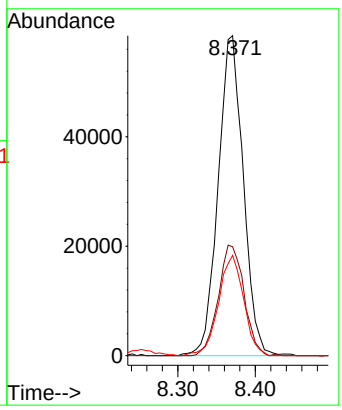


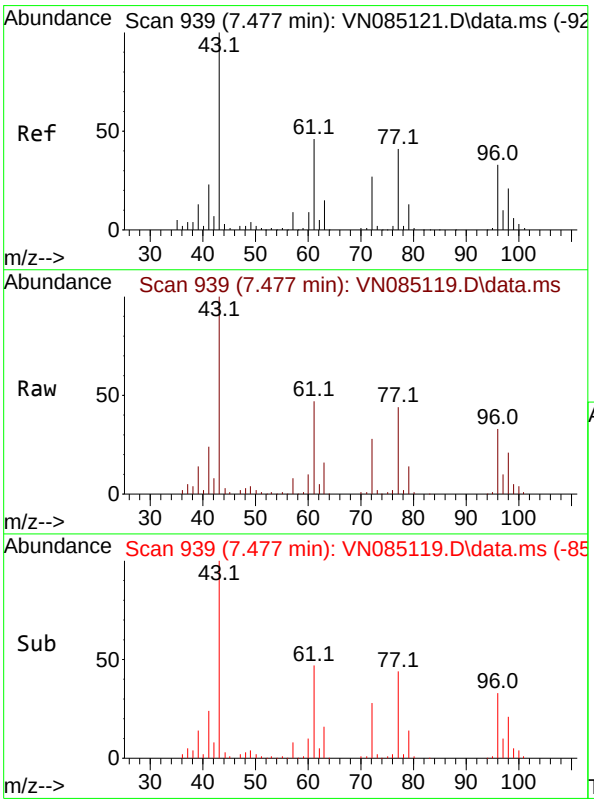
#29
1,1-Dichloropropene
Concen: 48.360 ug/l
RT: 8.371 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 75 Resp: 131946

Ion	Ratio	Lower	Upper
75	100		
110	35.3	0.0	71.6
77	31.4	0.0	62.2

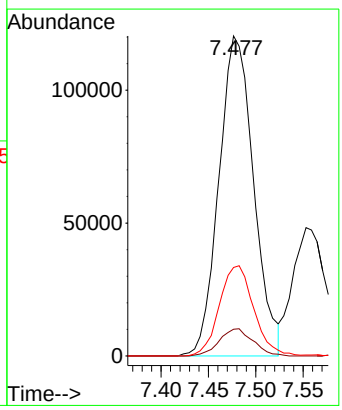


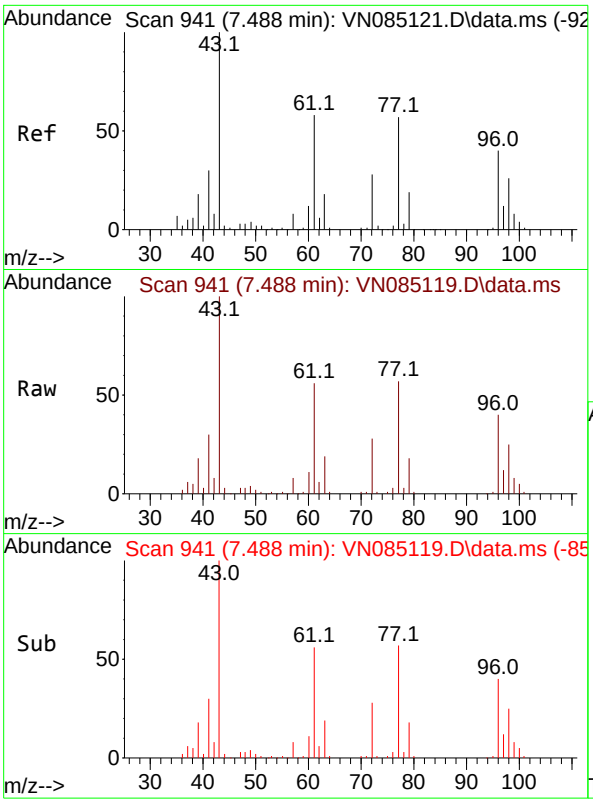


#30
2-Butanone
Concen: 245.653 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 43 Resp: 307572

Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.9	10.3
72	27.8	21.8	32.8



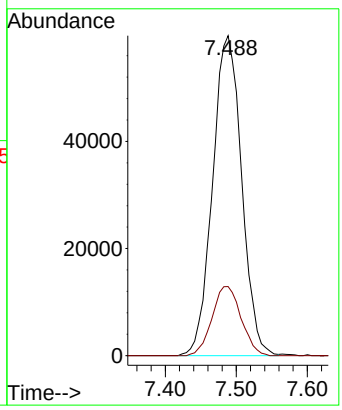


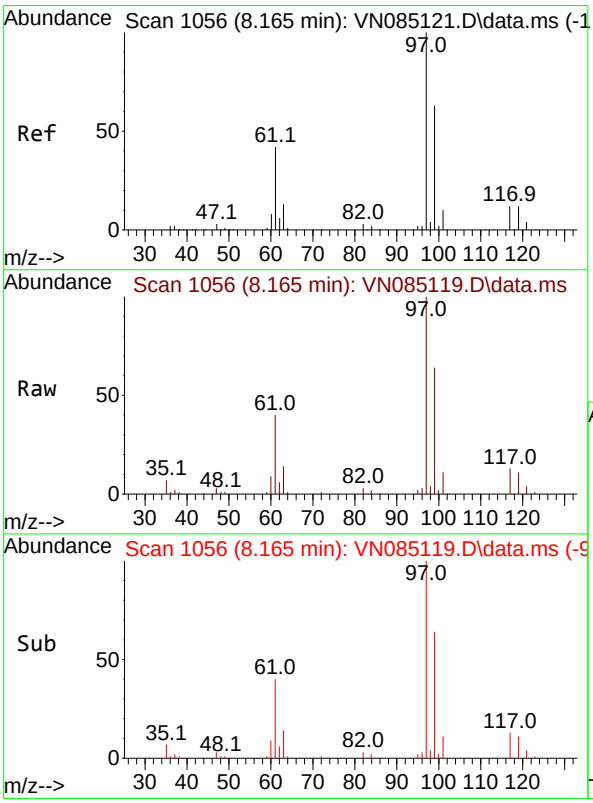
#31
2,2-Dichloropropane
Concen: 48.478 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 77 Resp: 169610

Ion	Ratio	Lower	Upper
77	100		
97	21.6	0.0	0.0#

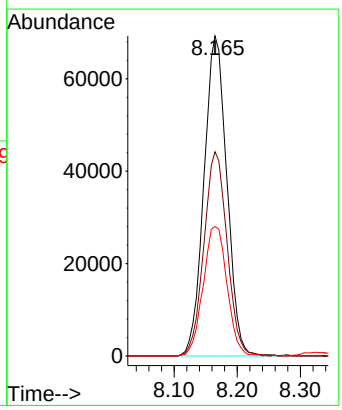


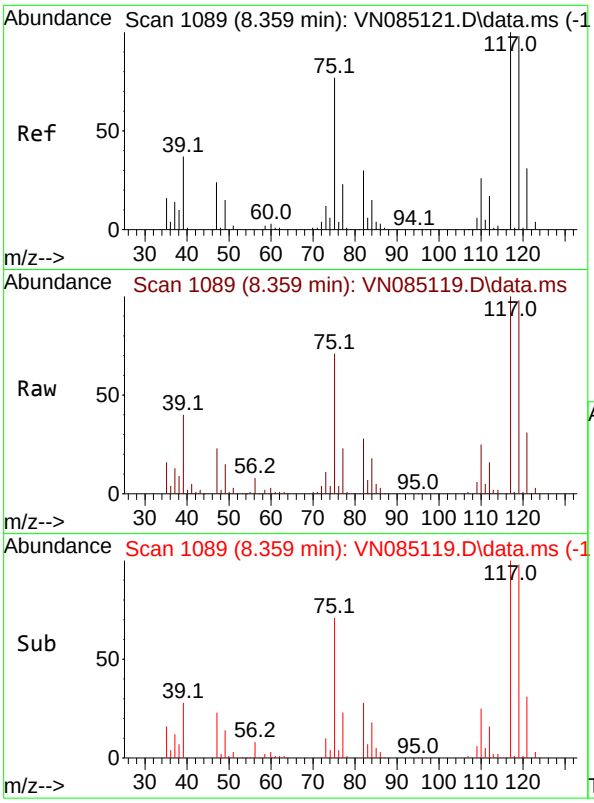


#32
1,1,1-Trichloroethane
Concen: 47.217 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 97 Resp: 174371

Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.8	76.2
61	42.0	32.7	49.1



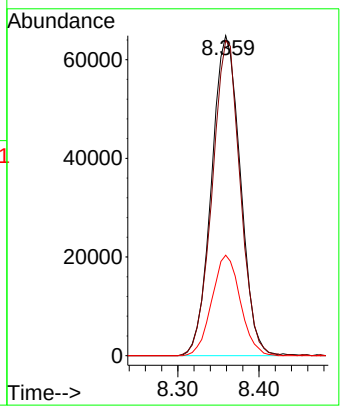


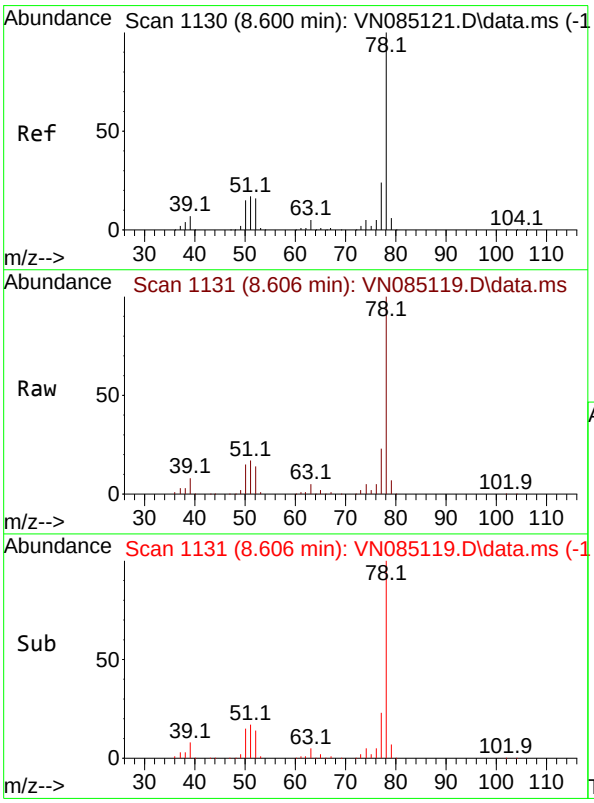
#33
Carbon Tetrachloride
Concen: 47.889 ug/l
RT: 8.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:117 Resp: 159586

Ion	Ratio	Lower	Upper
117	100		
119	98.4	81.6	122.4
121	31.4	26.5	39.7

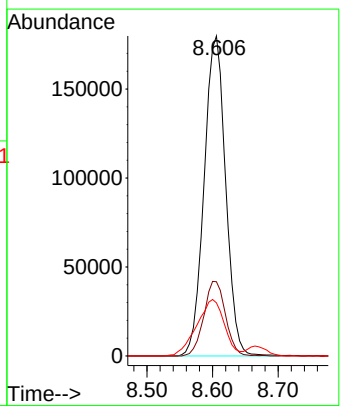


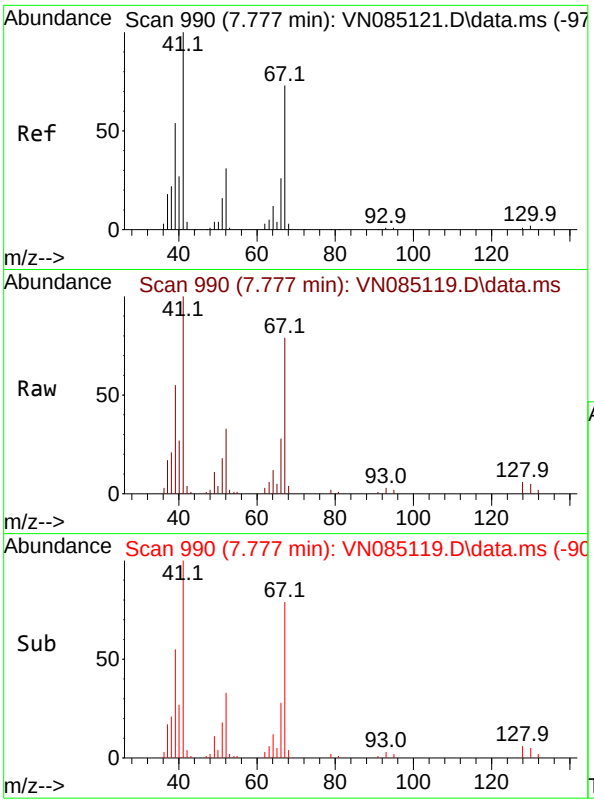


#34
Benzene
Concen: 47.855 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 78 Resp: 410169

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.0	27.0
51	16.3	12.4	18.6



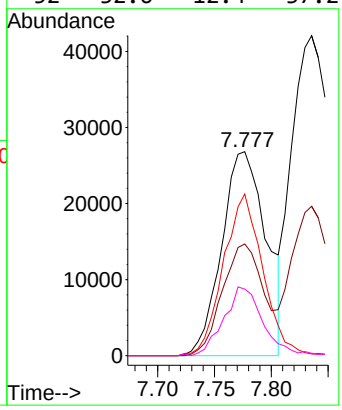


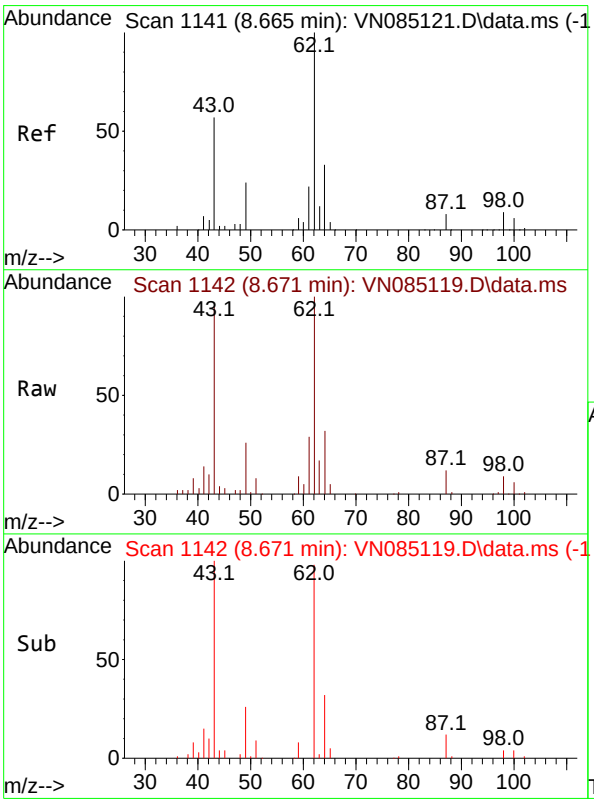
#35
Methacrylonitrile
Concen: 51.722 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 41 Resp: 72876

Ion	Ratio	Lower	Upper
41	100		
39	54.8	24.4	73.2
67	79.3	37.0	110.9
52	32.6	12.4	37.2

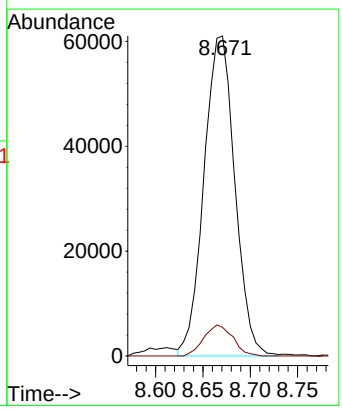


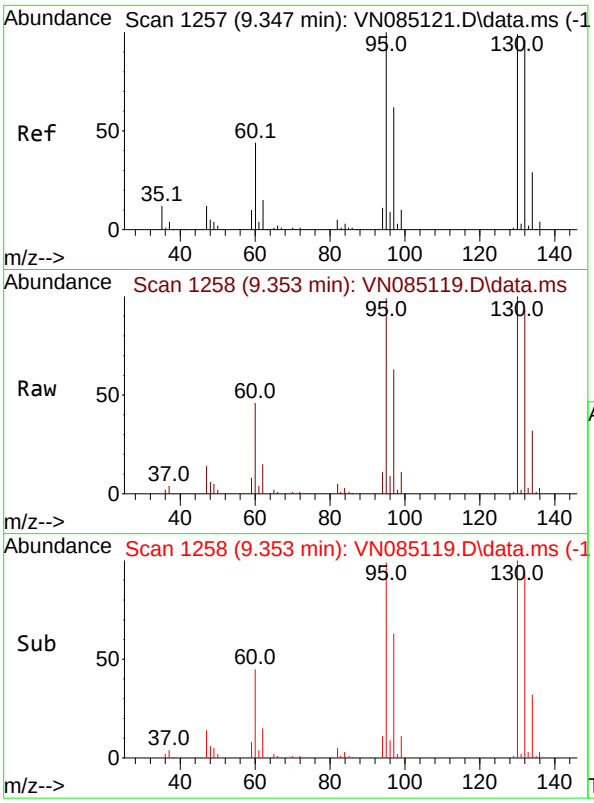


#36
1,2-Dichloroethane
Concen: 47.430 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 62 Resp: 138391

Ion	Ratio	Lower	Upper
62	100		
98	9.1	7.3	10.9



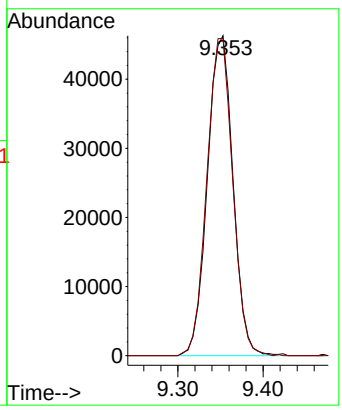


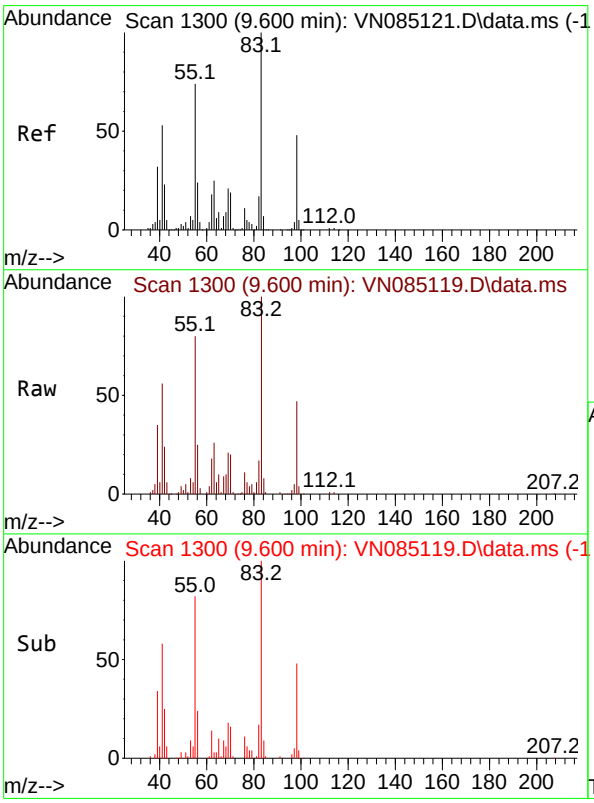
#37
Trichloroethene
Concen: 47.426 ug/l
RT: 9.353 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:130 Resp: 96801

Ion	Ratio	Lower	Upper
130	100		
95	99.2	76.2	114.4

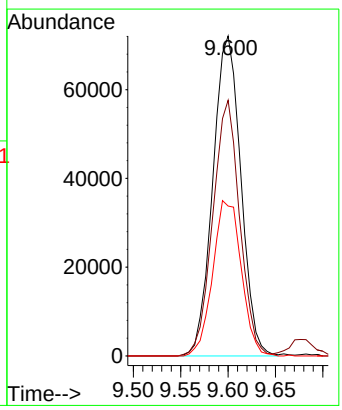


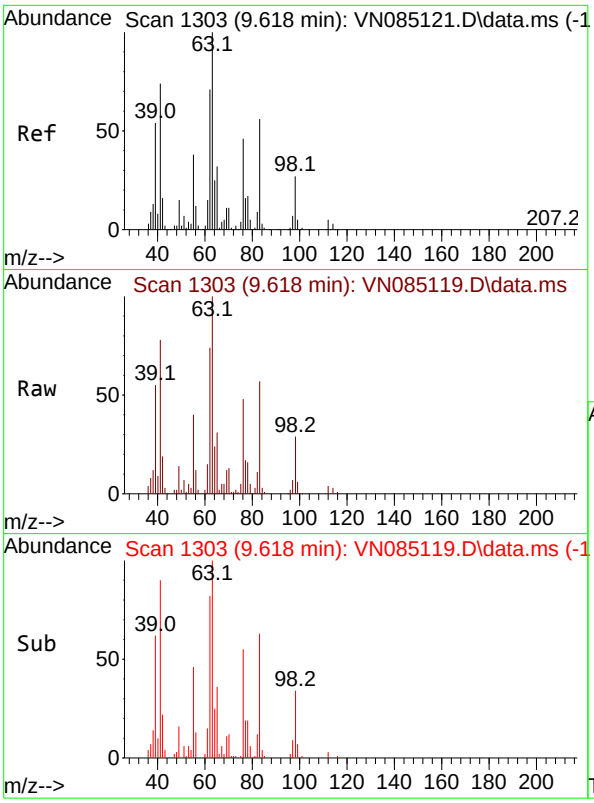


#38
Methylcyclohexane
Concen: 49.963 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 83 Resp: 148222

Ion	Ratio	Lower	Upper
83	100		
55	76.8	41.4	124.4
98	49.6	25.7	77.1



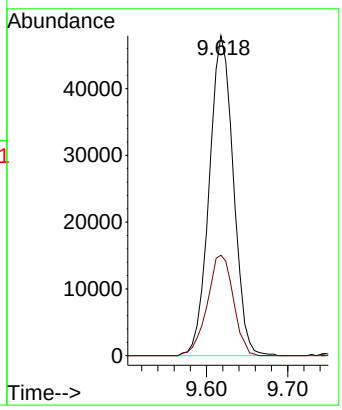


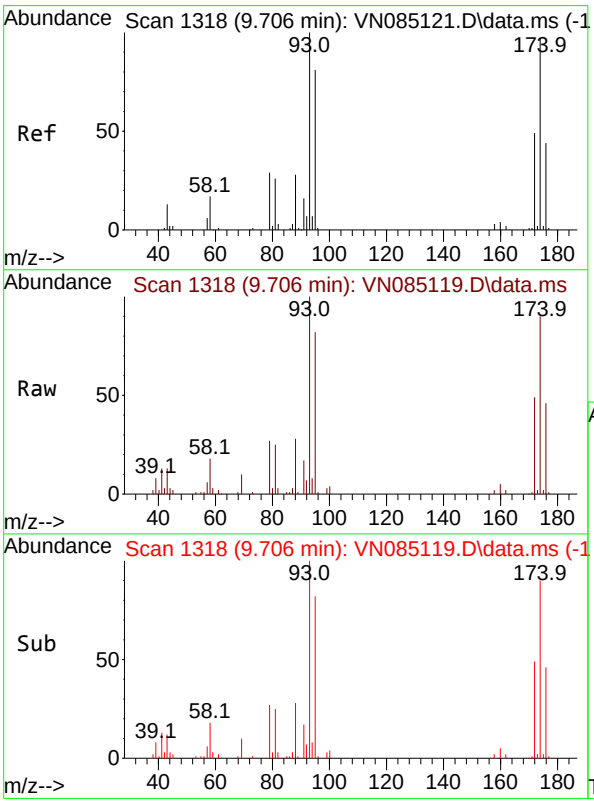
#39
1,2-Dichloropropane
Concen: 47.586 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 63 Resp: 98790

Ion	Ratio	Lower	Upper
63	100		
65	31.4	23.4	35.0

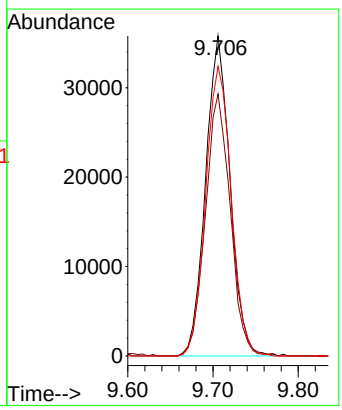


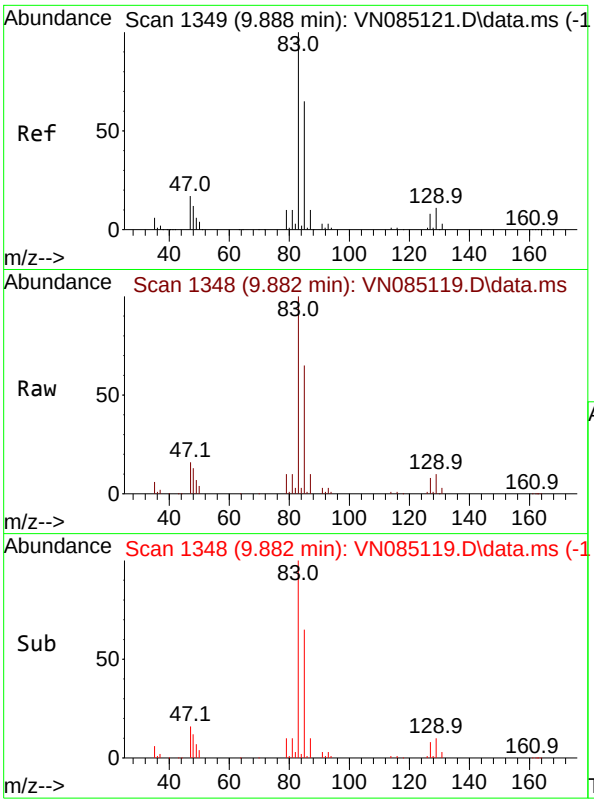


#40
Dibromomethane
Concen: 47.969 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 93 Resp: 71433

Ion	Ratio	Lower	Upper
93	100		
95	83.1	0.0	169.4
174	94.4	0.0	189.8



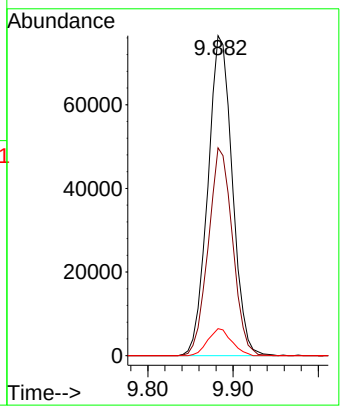


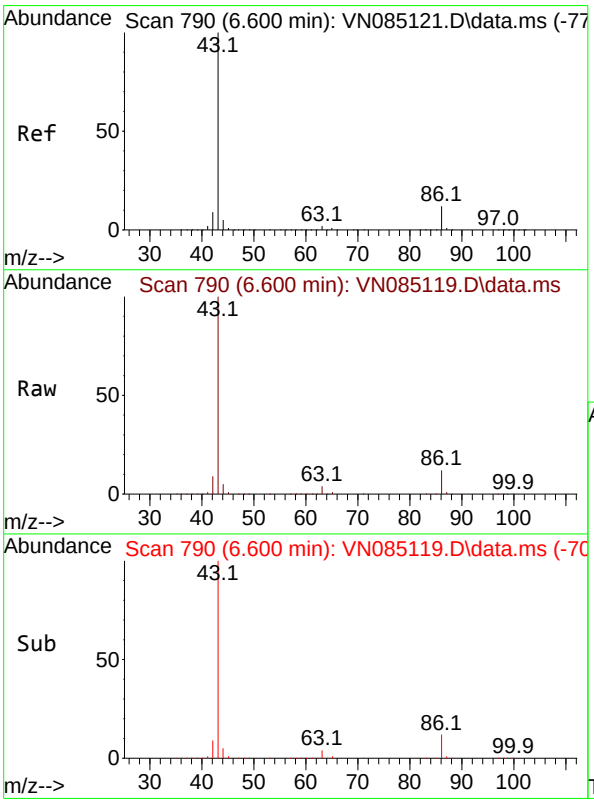
#41
Bromodichloromethane
Concen: 47.898 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 83 Resp: 152481

Ion	Ratio	Lower	Upper
83	100		
85	65.0	54.6	81.8
127	8.5	7.0	10.6

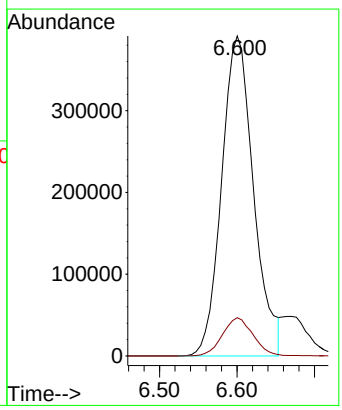


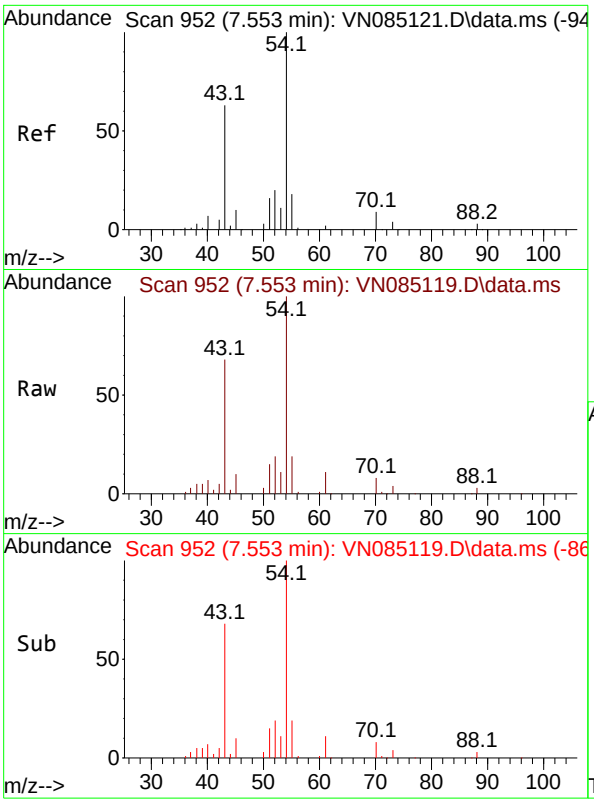


#42
Vinyl Acetate
Concen: 256.138 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 43 Resp: 1122209

Ion	Ratio	Lower	Upper
43	100		
86	11.5	9.2	13.8



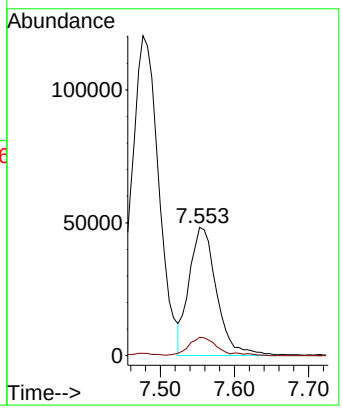


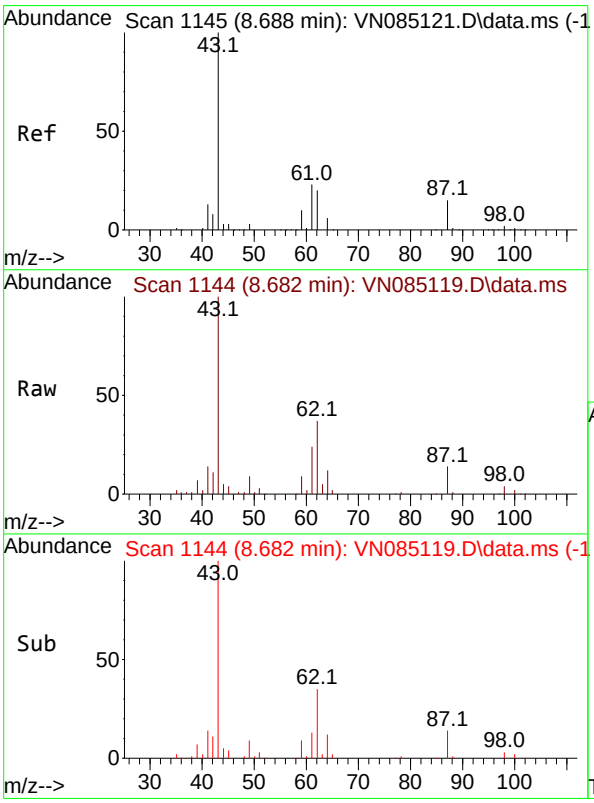
#43
Ethyl Acetate
Concen: 49.844 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 43 Resp: 124173

Ion	Ratio	Lower	Upper
43	100		
45	13.1	13.3	19.9#

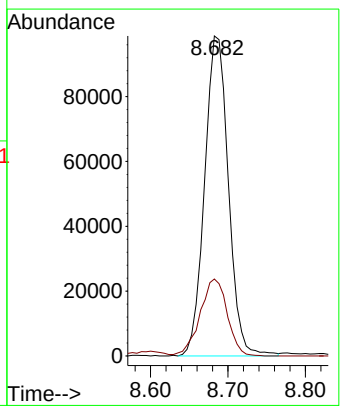


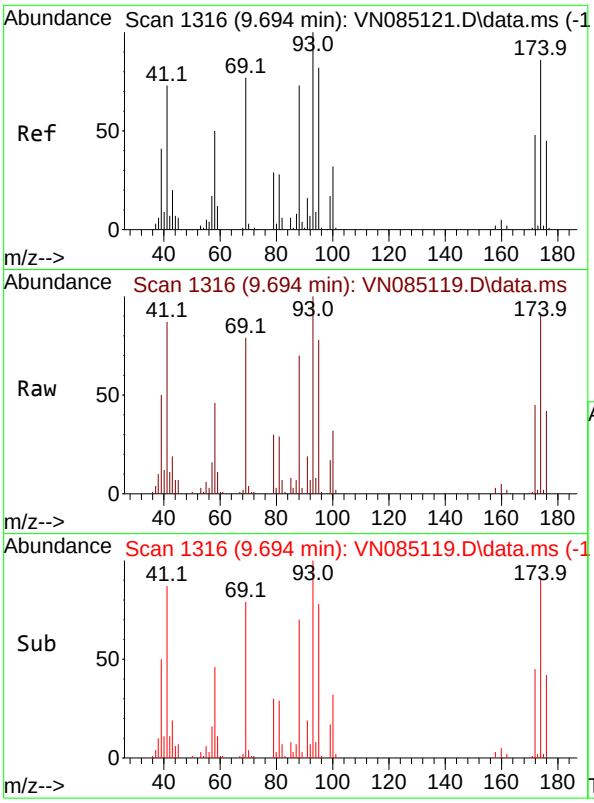


#44
Isopropyl Acetate
Concen: 48.782 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 43 Resp: 211189

Ion	Ratio	Lower	Upper
43	100		
61	27.4	21.5	32.3



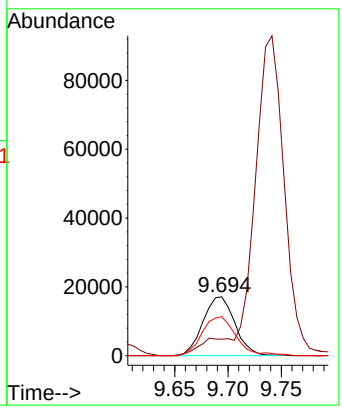


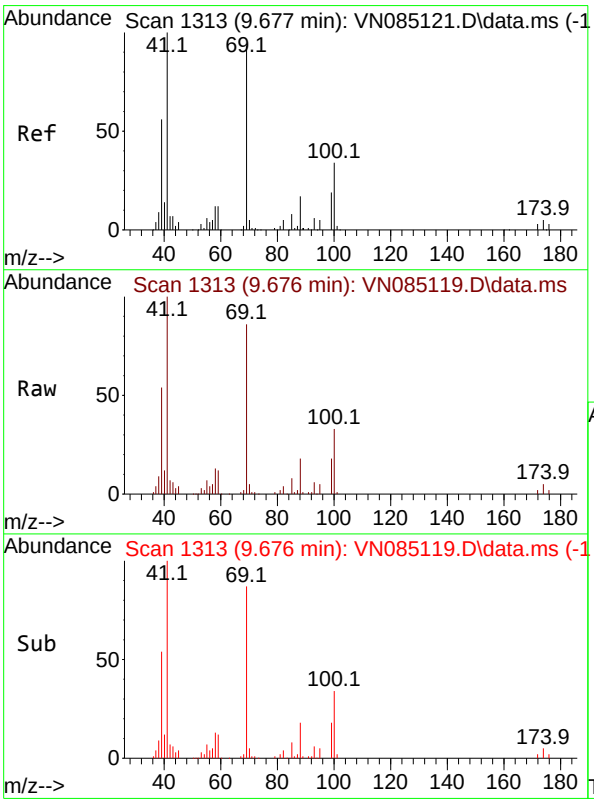
#45
1,4-Dioxane
Concen: 989.420 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 88 Resp: 35720

Ion	Ratio	Lower	Upper
88	100		
43	22.5	21.7	32.5
58	68.0	52.6	79.0

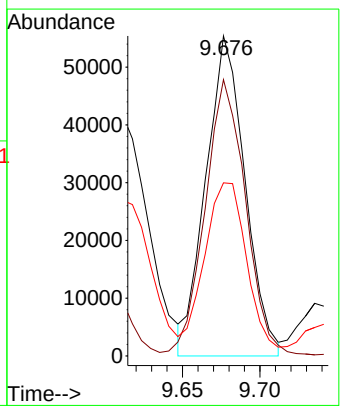


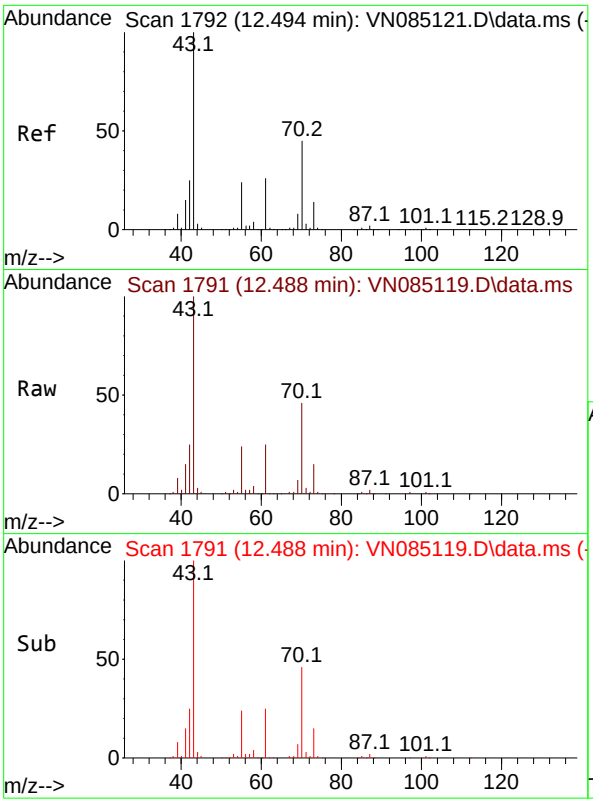


#46
Methyl methacrylate
Concen: 49.158 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 41 Resp: 97397

Ion	Ratio	Lower	Upper
41	100		
69	86.6	46.7	140.0
39	53.6	28.5	85.5



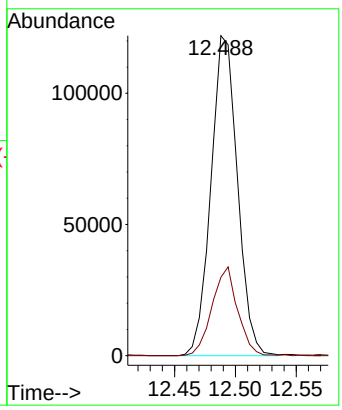


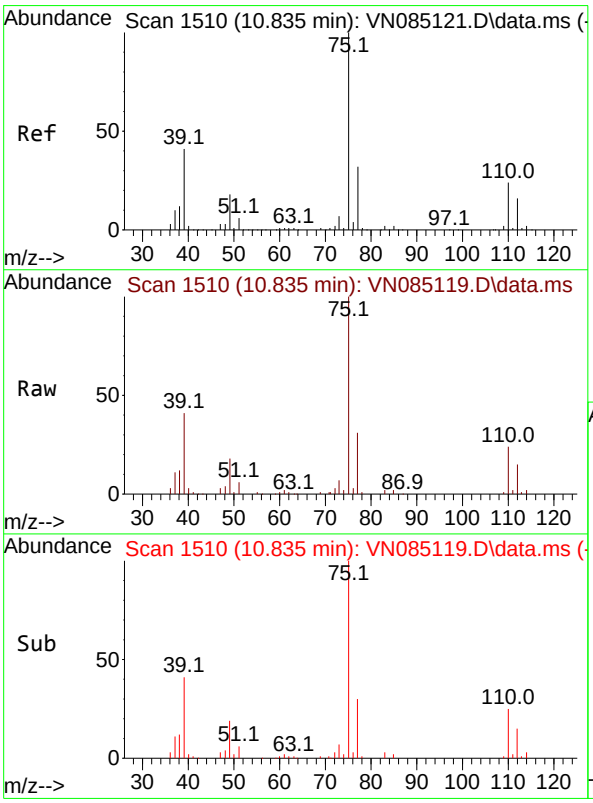
#47
n-amyl Acetate
Concen: 50.788 ug/l
RT: 12.488 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 43 Resp: 184994

Ion	Ratio	Lower	Upper
43	100		
55	26.6	23.3	34.9

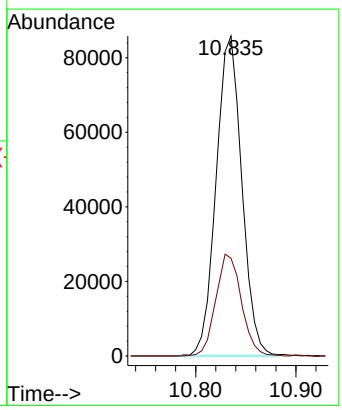


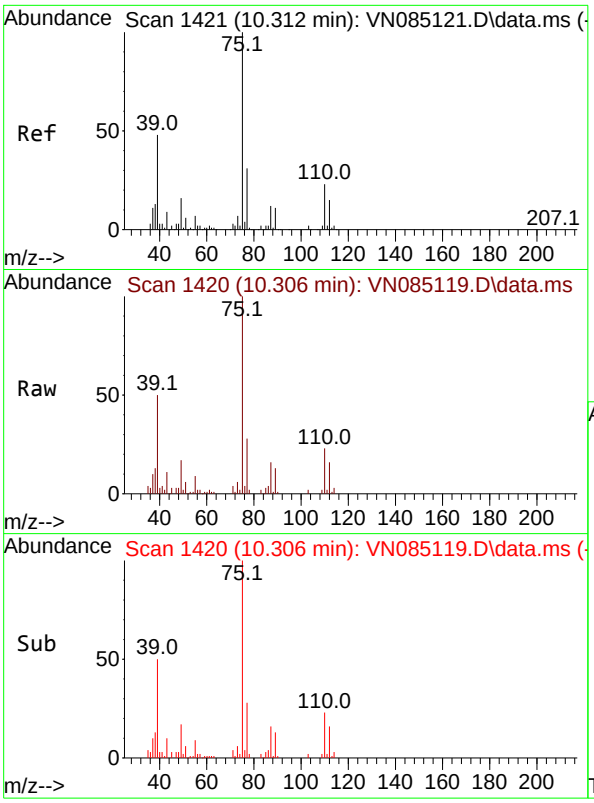


#48
t-1,3-Dichloropropene
Concen: 48.801 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 75 Resp: 152504

Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.5	38.3



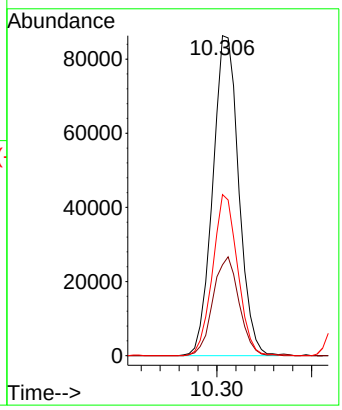


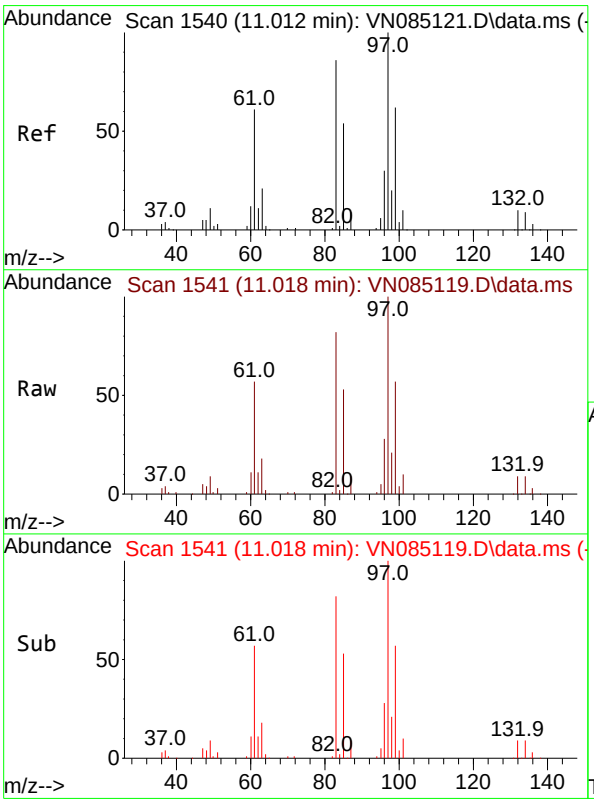
#49
cis-1,3-Dichloropropene
Concen: 48.292 ug/l
RT: 10.306 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 75 Resp: 164287

Ion	Ratio	Lower	Upper
75	100		
77	28.4	23.8	35.6
39	50.3	37.3	55.9

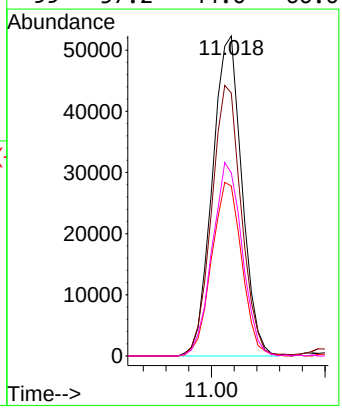


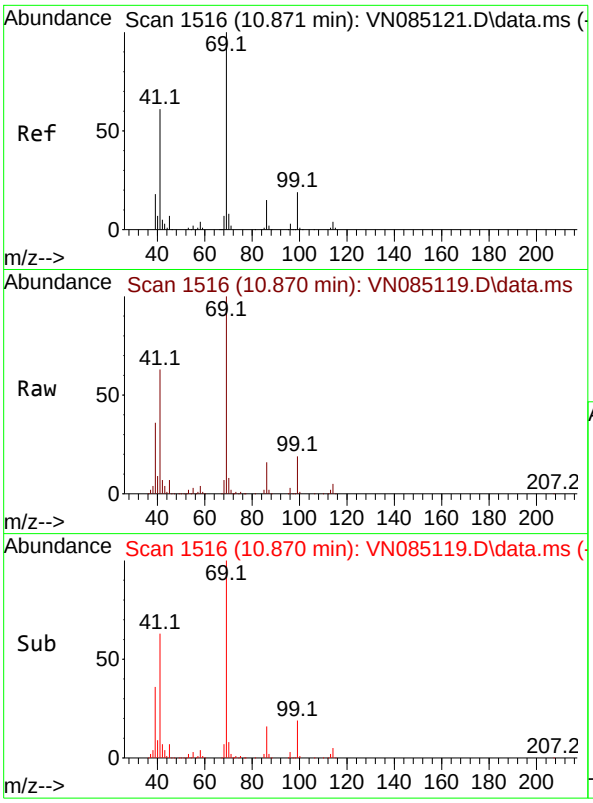


#50
1,1,2-Trichloroethane
Concen: 47.189 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 97 Resp: 94692

Ion	Ratio	Lower	Upper
97	100		
83	82.1	65.8	98.8
85	53.1	40.8	61.2
99	57.2	44.0	66.0



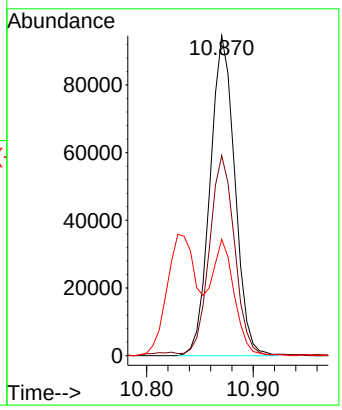


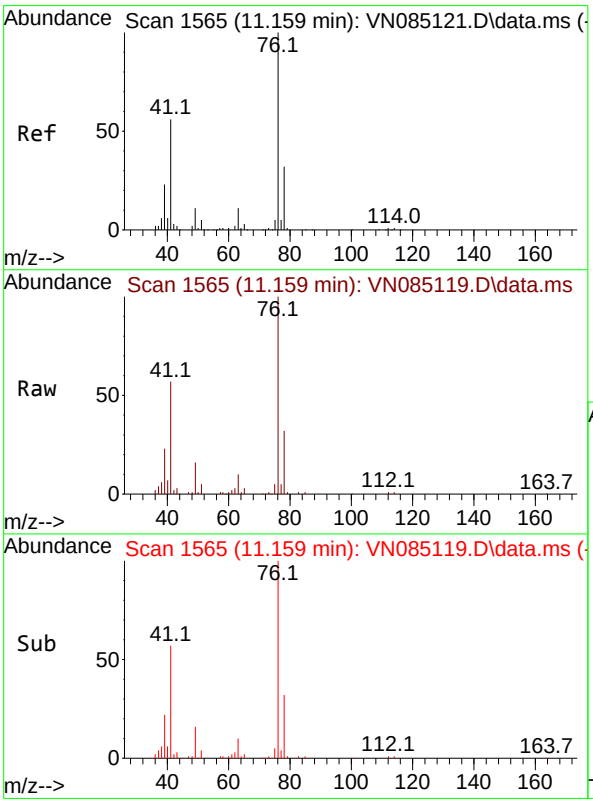
#51
Ethyl methacrylate
Concen: 50.057 ug/l
RT: 10.870 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 69 Resp: 152776

Ion	Ratio	Lower	Upper
69	100		
41	62.1	32.1	96.3
39	36.0	18.8	56.4

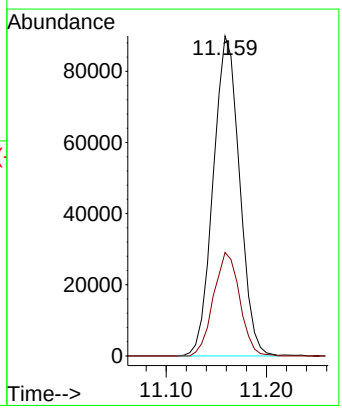


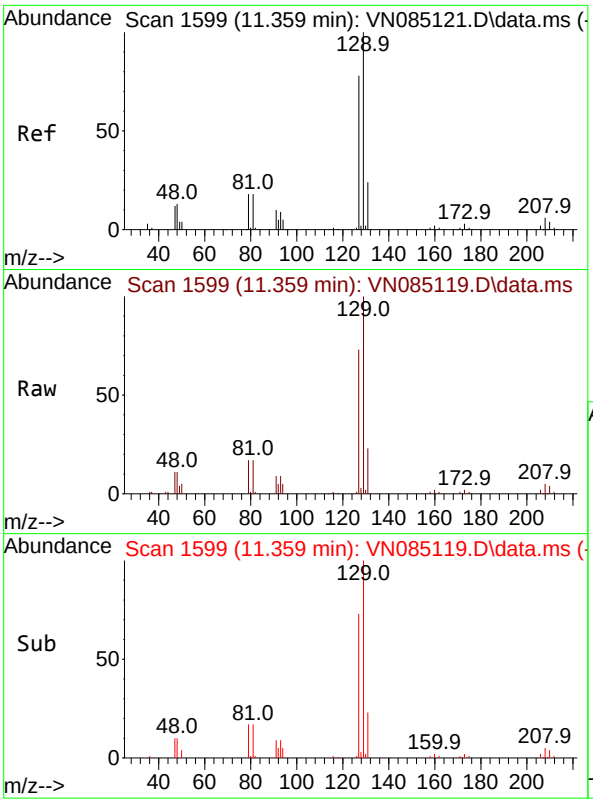


#52
1,3-Dichloropropane
Concen: 48.874 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 76 Resp: 164130

Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	65.6



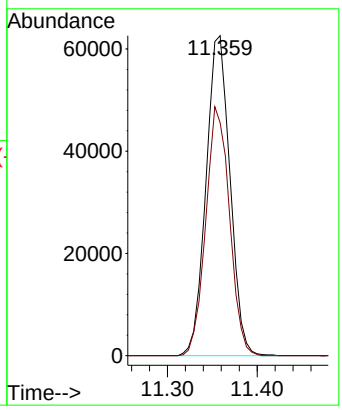


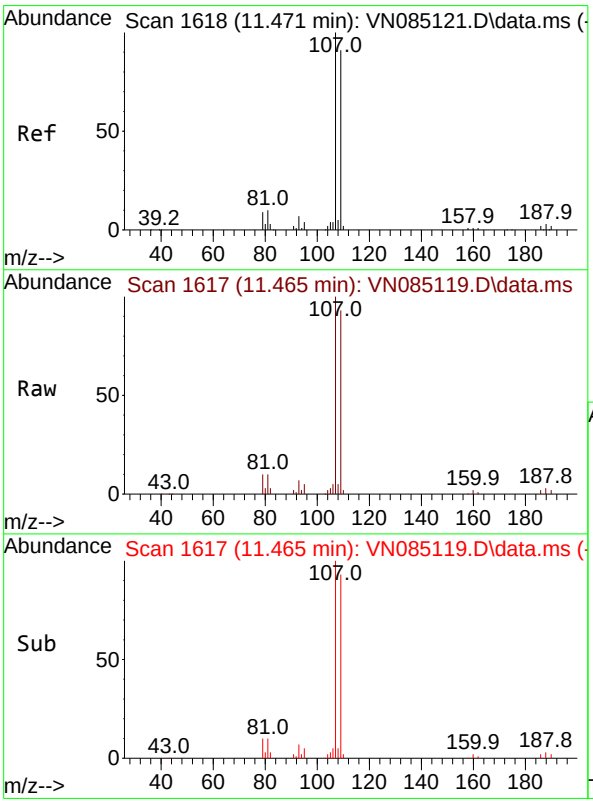
#53
Dibromochloromethane
Concen: 47.550 ug/l
RT: 11.359 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:129 Resp: 116277

Ion	Ratio	Lower	Upper
129	100		
127	76.9	37.3	111.9

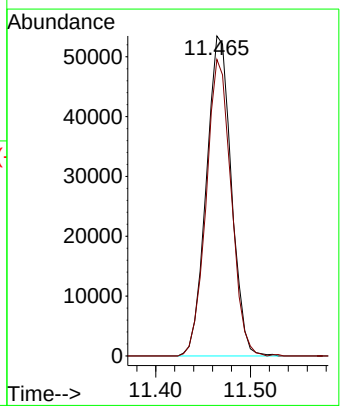


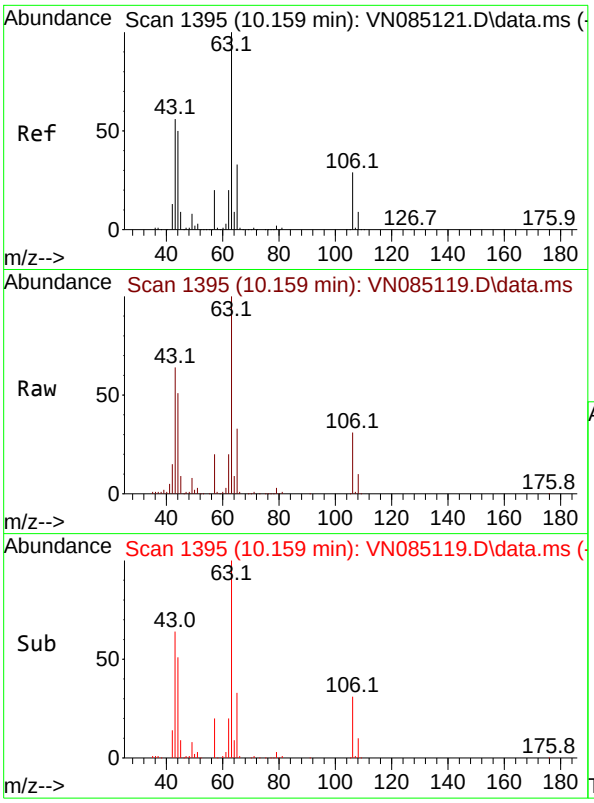


#54
1,2-Dibromoethane
Concen: 48.496 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:107 Resp: 98049

Ion	Ratio	Lower	Upper
107	100		
109	92.2	75.2	112.8



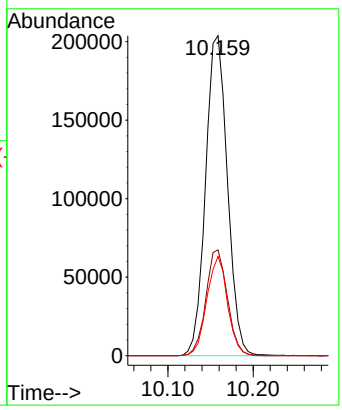


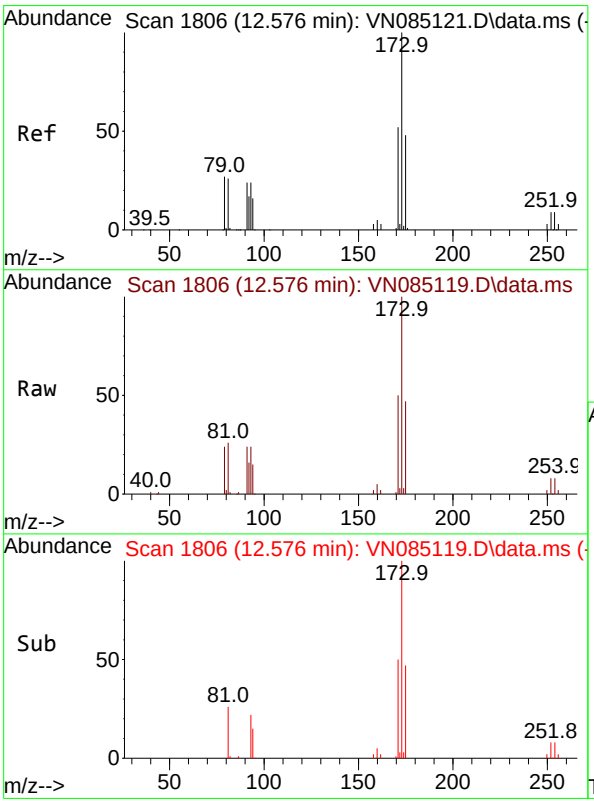
#55
2-Chloroethyl vinyl ether
Concen: 256.062 ug/l
RT: 10.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 63 Resp: 363042

Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.9	38.9
106	29.3	23.5	35.3

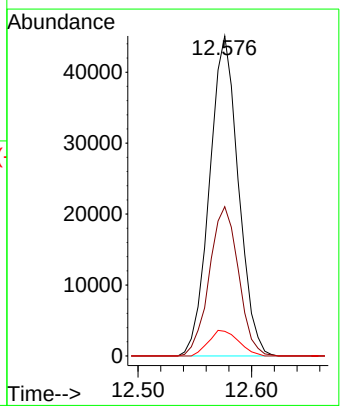


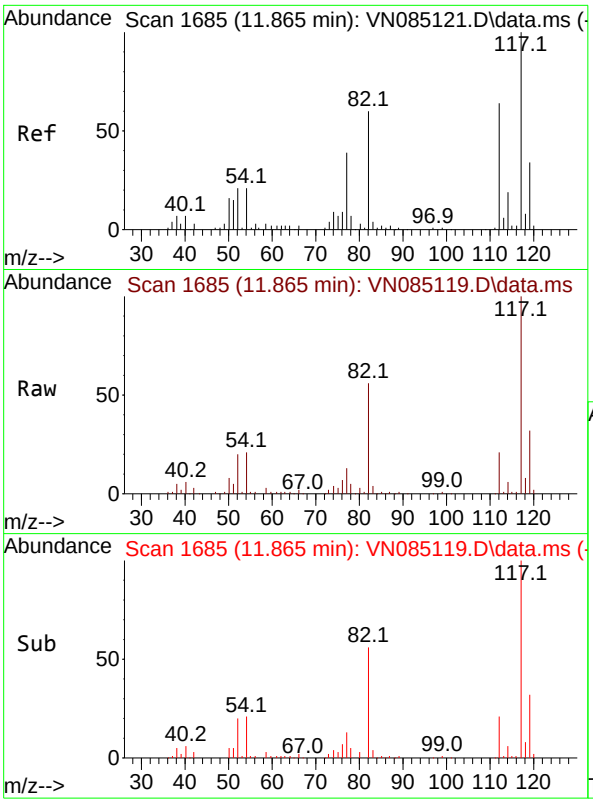


#56
Bromoform
Concen: 48.542 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:173 Resp: 79589

Ion	Ratio	Lower	Upper
173	100		
175	47.1	40.2	60.2
254	8.3	6.2	9.4



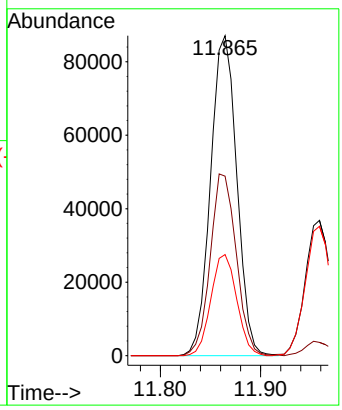


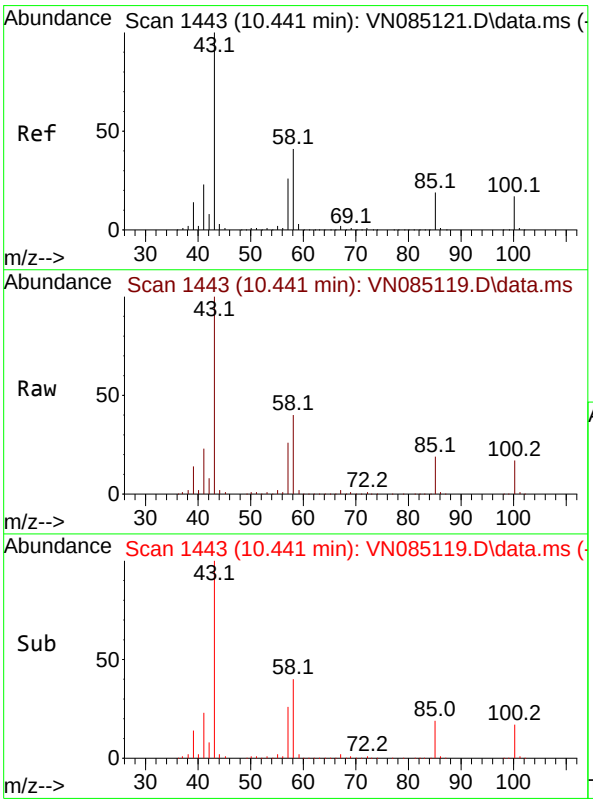
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:117 Resp: 158595

Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.2	66.4
119	31.1	25.4	38.2

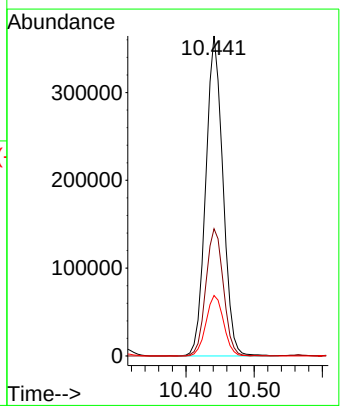


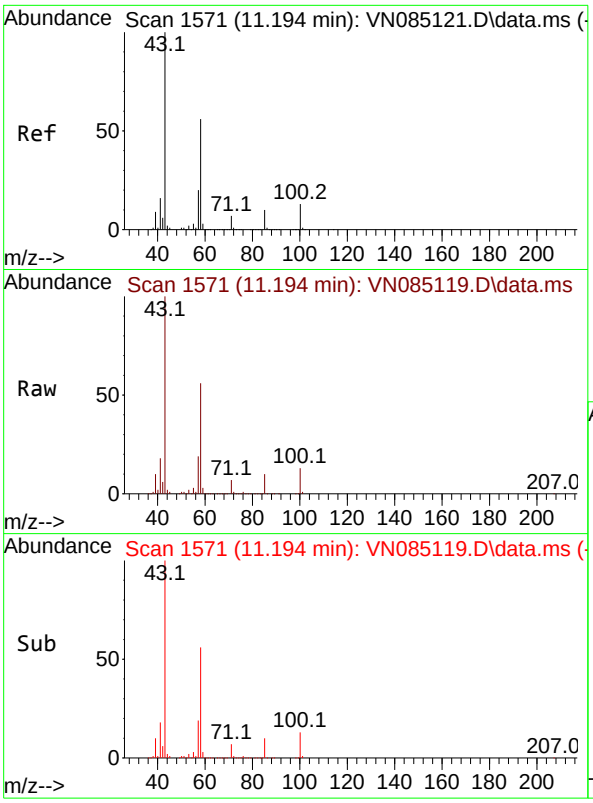


#58
4-Methyl-2-Pentanone
Concen: 246.869 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 43 Resp: 638976

Ion	Ratio	Lower	Upper
43	100		
58	40.6	31.6	47.4
85	19.4	15.0	22.6



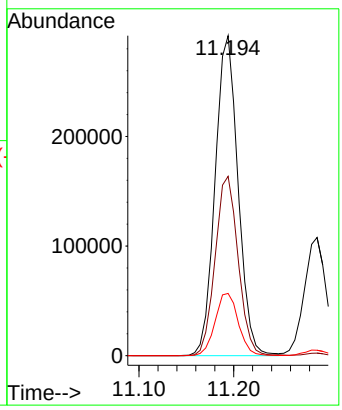


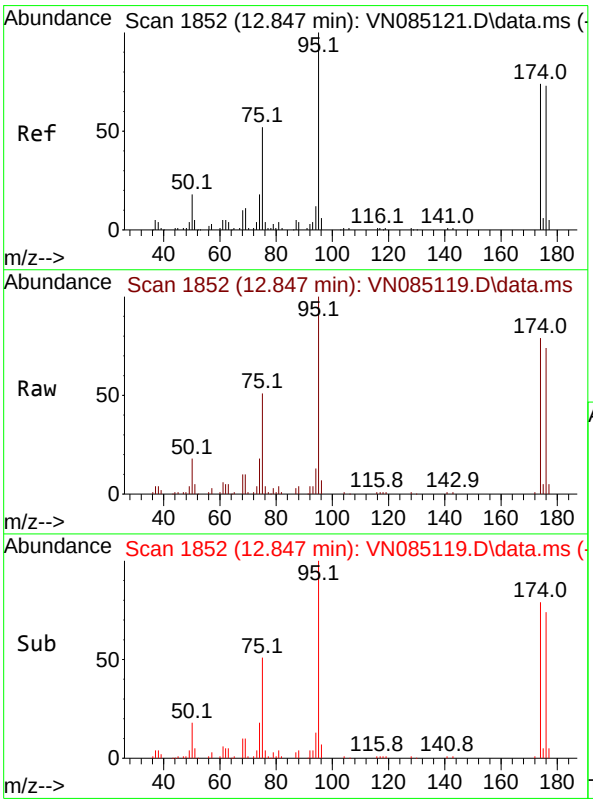
#59
2-Hexanone
Concen: 250.312 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 43 Resp: 490910

Ion	Ratio	Lower	Upper
43	100		
58	56.1	43.6	65.4
57	19.8	15.4	23.0

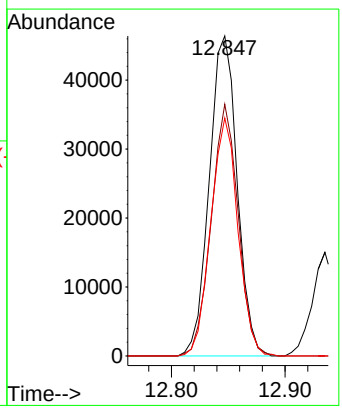


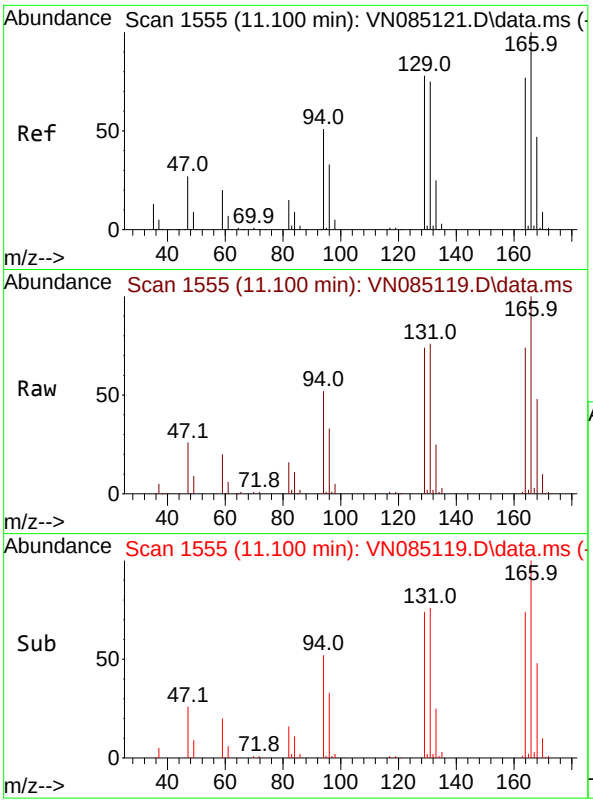


#60
4-Bromofluorobenzene
Concen: 30.193 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 95 Resp: 79229

Ion	Ratio	Lower	Upper
95	100		
174	75.6	60.3	90.5
176	72.5	57.4	86.0



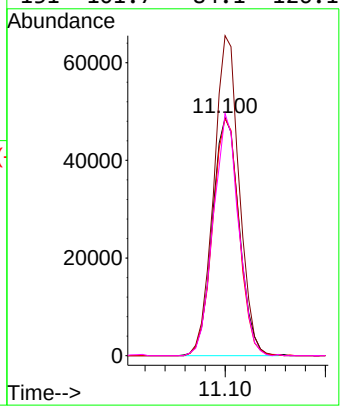


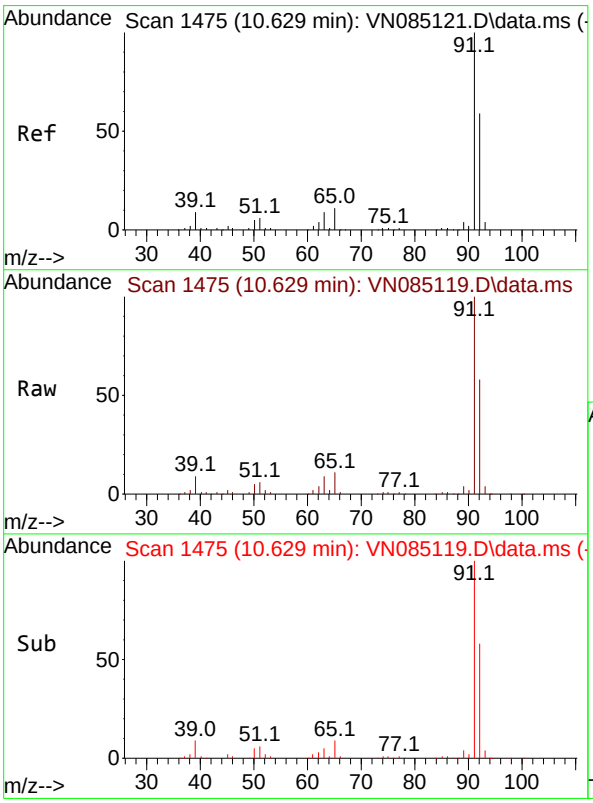
#61
Tetrachloroethene
Concen: 47.078 ug/l
RT: 11.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:164 Resp: 90418

Ion	Ratio	Lower	Upper
164	100		
166	134.5	103.8	155.8
129	99.6	84.2	126.4
131	101.7	84.1	126.1

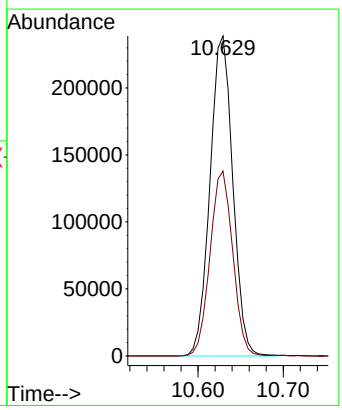


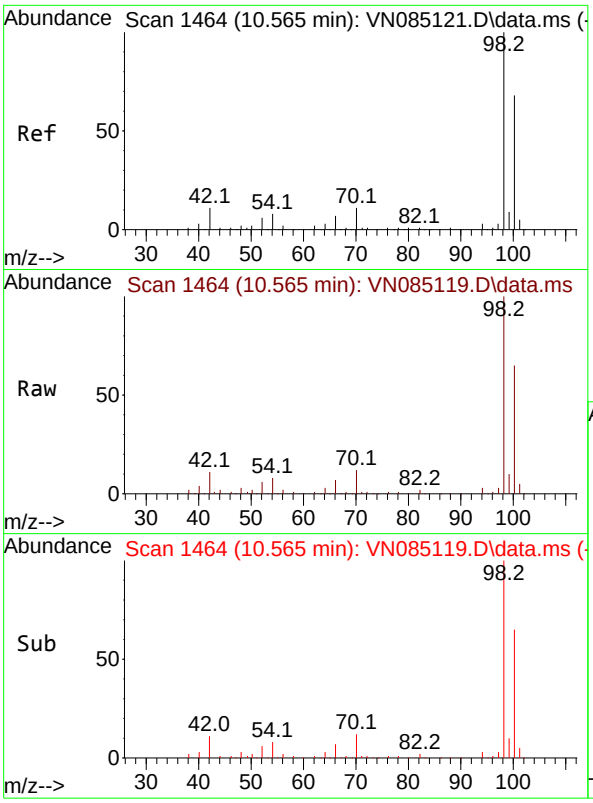


#62
Toluene
Concen: 48.023 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 91 Resp: 444180

Ion	Ratio	Lower	Upper
91	100		
92	57.6	46.5	69.7



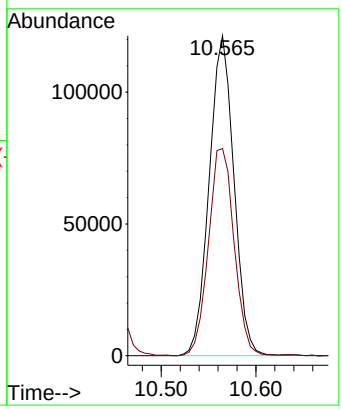


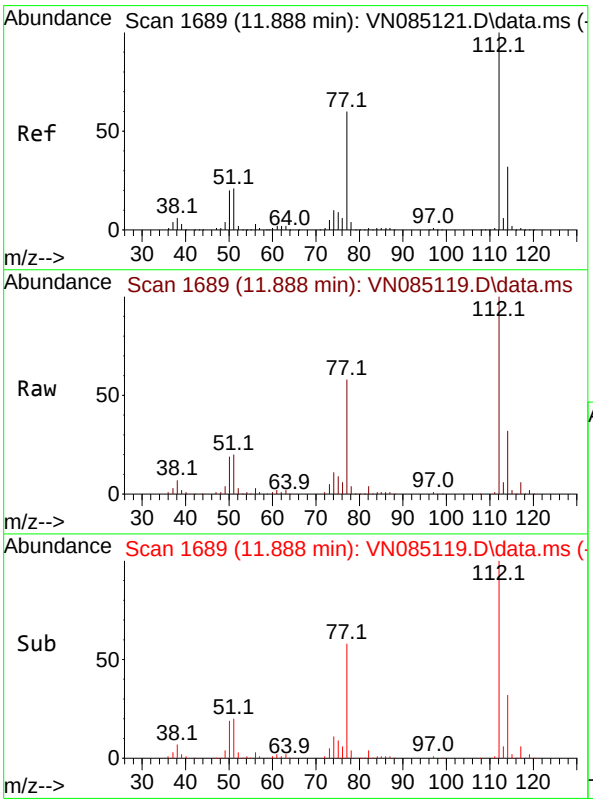
#63
Toluene-d8
Concen: 29.668 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 98 Resp: 220709

Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.0	78.0

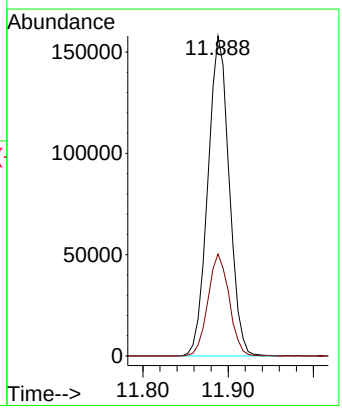


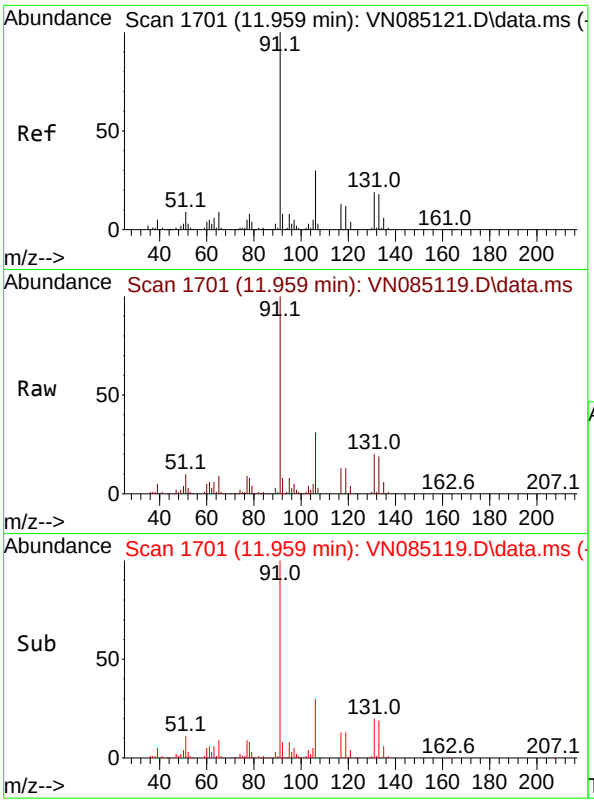


#64
Chlorobenzene
Concen: 48.008 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:112 Resp: 274152

Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0



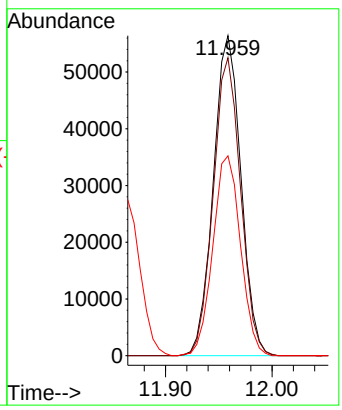


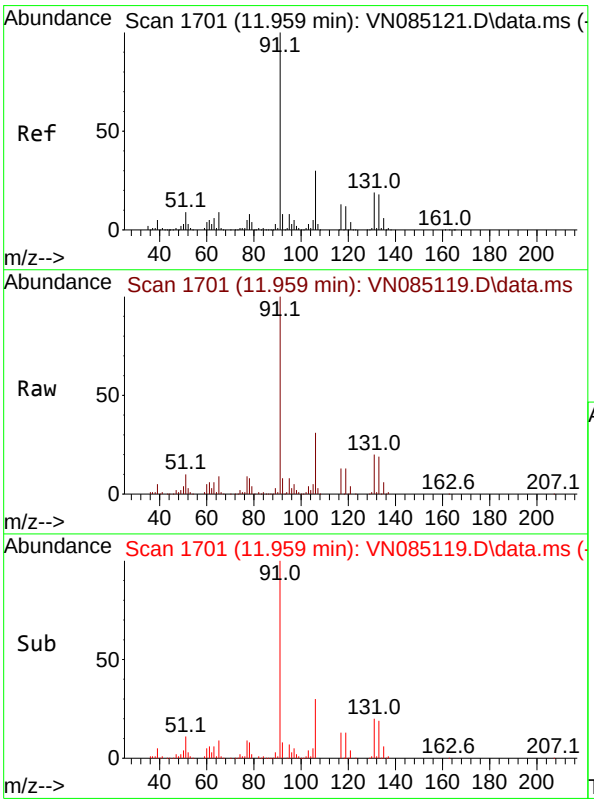
#65
1,1,1,2-Tetrachloroethane
Concen: 47.641 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:131 Resp: 101559

Ion	Ratio	Lower	Upper
131	100		
133	92.3	0.0	194.0
119	62.7	0.0	131.8

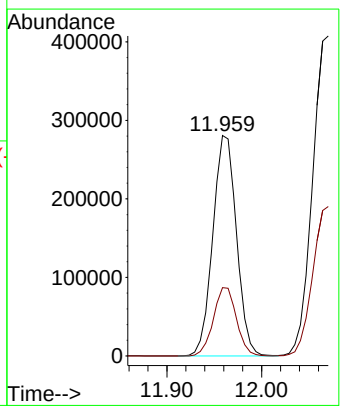


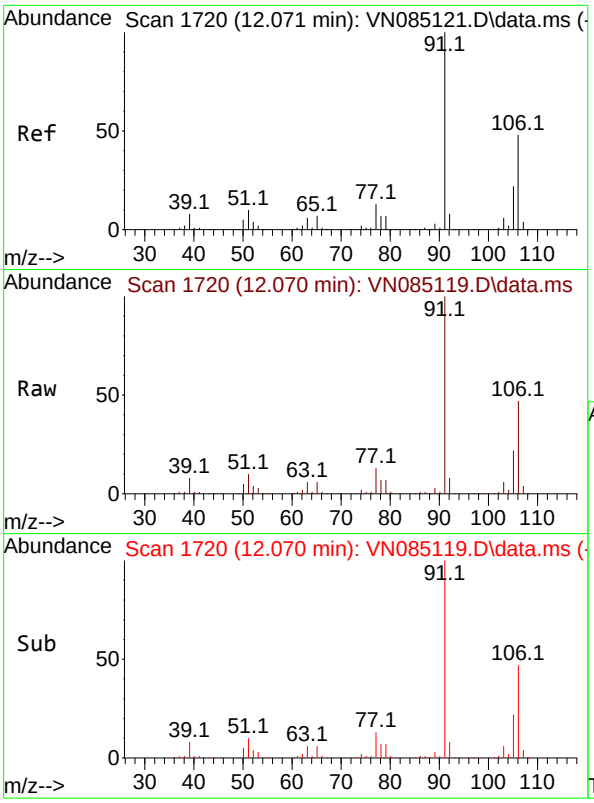


#66
Ethyl Benzene
Concen: 49.682 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 91 Resp: 487612

Ion	Ratio	Lower	Upper
91	100		
106	31.0	23.1	34.7



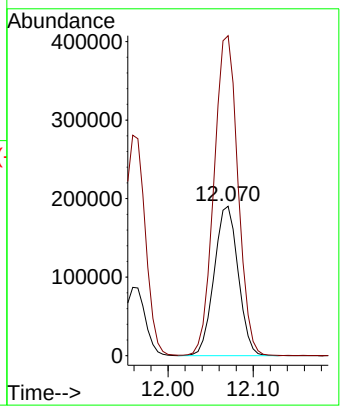


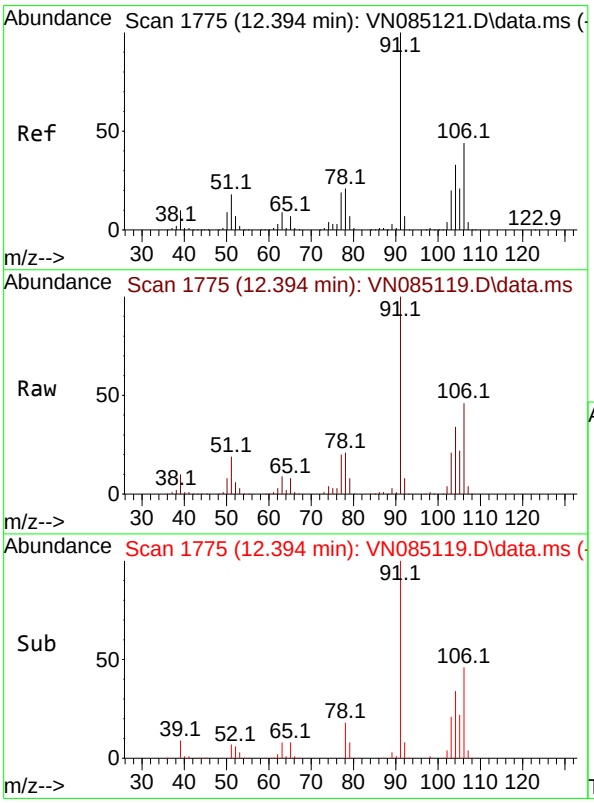
#67
m/p-Xylenes
Concen: 98.889 ug/l
RT: 12.070 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:106 Resp: 373298

Ion	Ratio	Lower	Upper
106	100		
91	213.6	165.0	247.4

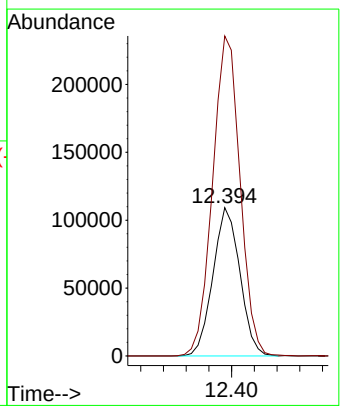


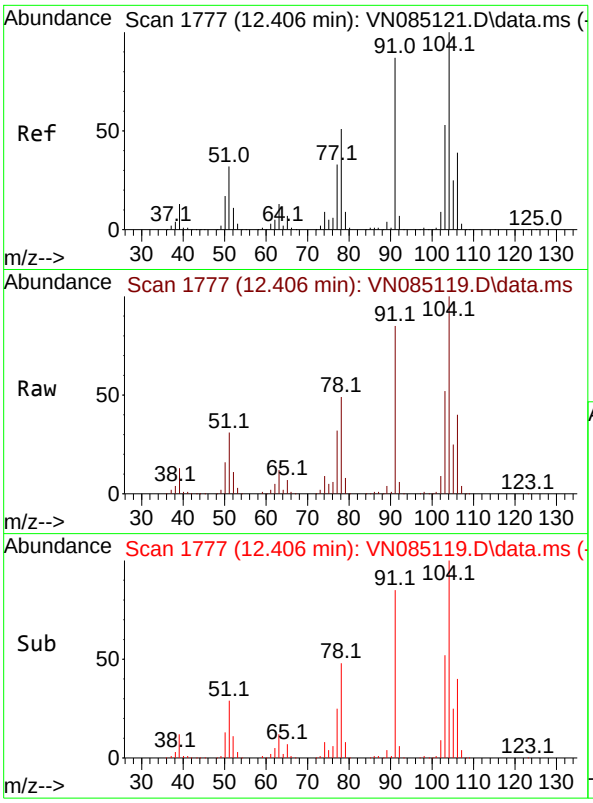


#68
o-Xylene
Concen: 50.744 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:106 Resp: 179899

Ion	Ratio	Lower	Upper
106	100		
91	220.0	112.1	336.4



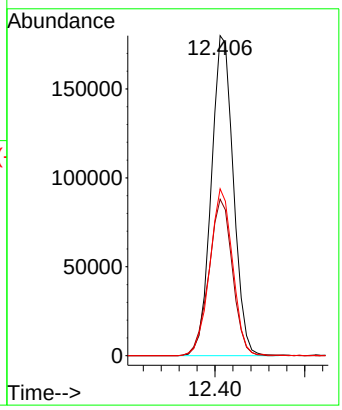


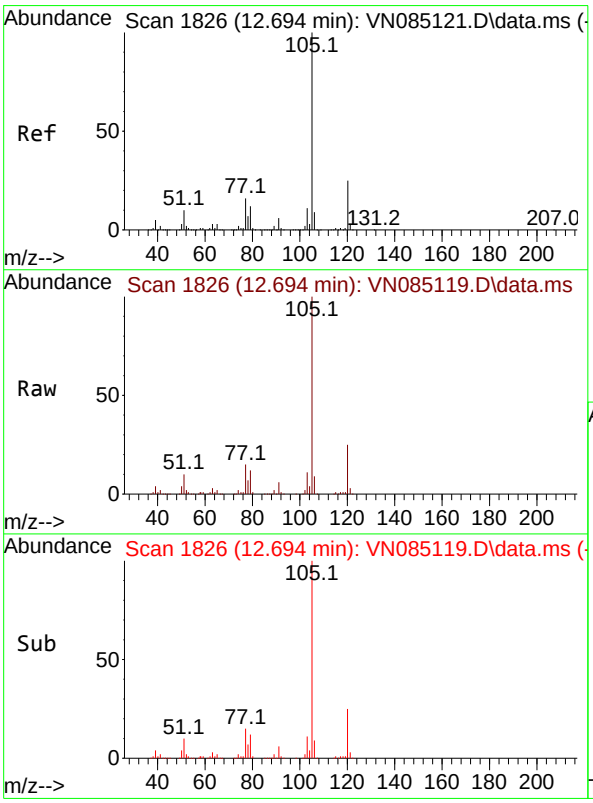
#69
Styrene
Concen: 51.151 ug/l
RT: 12.406 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:104 Resp: 307715

Ion	Ratio	Lower	Upper
104	100		
78	52.0	42.3	63.5
103	54.0	44.4	66.6

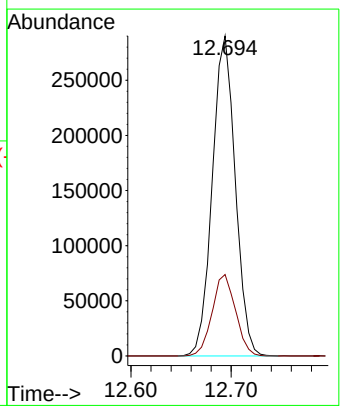


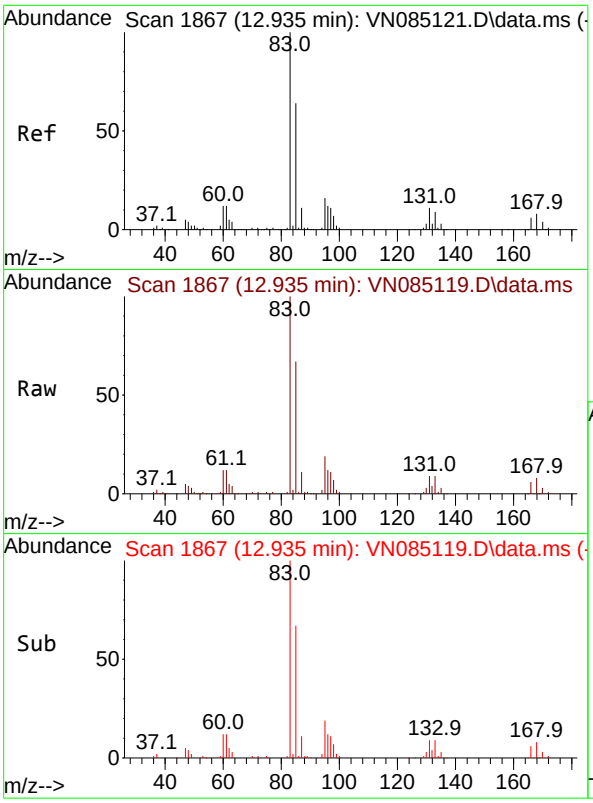


#70
Isopropylbenzene
Concen: 50.502 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:105 Resp: 461786

Ion	Ratio	Lower	Upper
105	100		
120	25.8	18.3	33.9



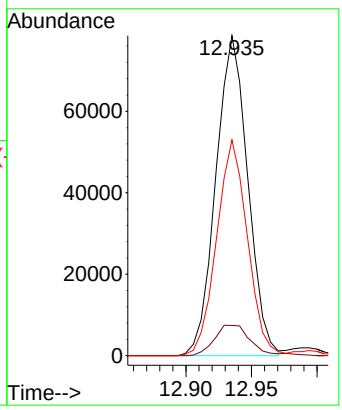


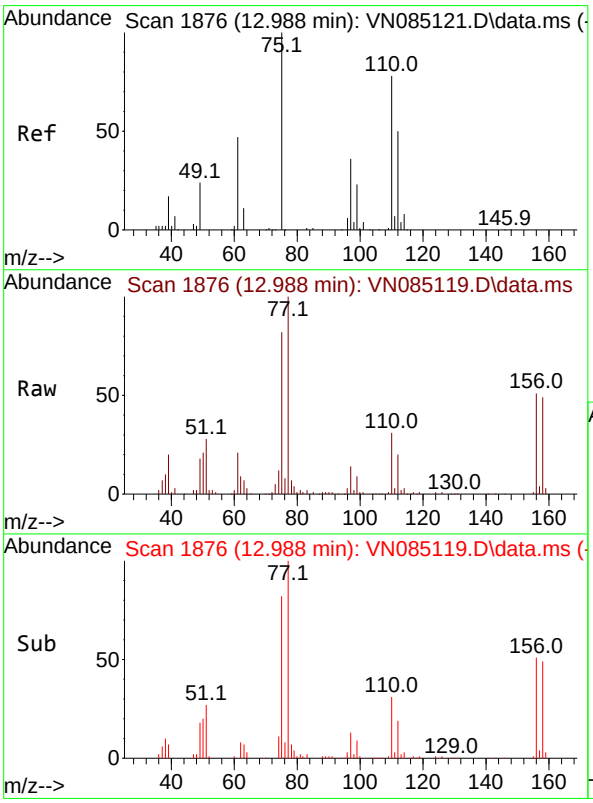
#71
1,1,2,2-Tetrachloroethane
Concen: 47.759 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 83 Resp: 132922

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.3
85	65.1	31.1	93.5

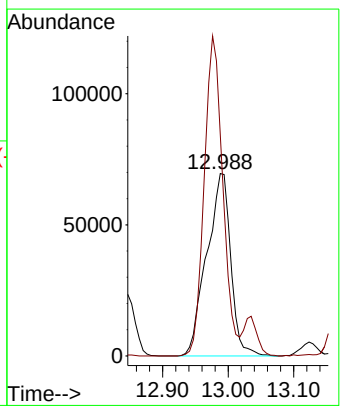


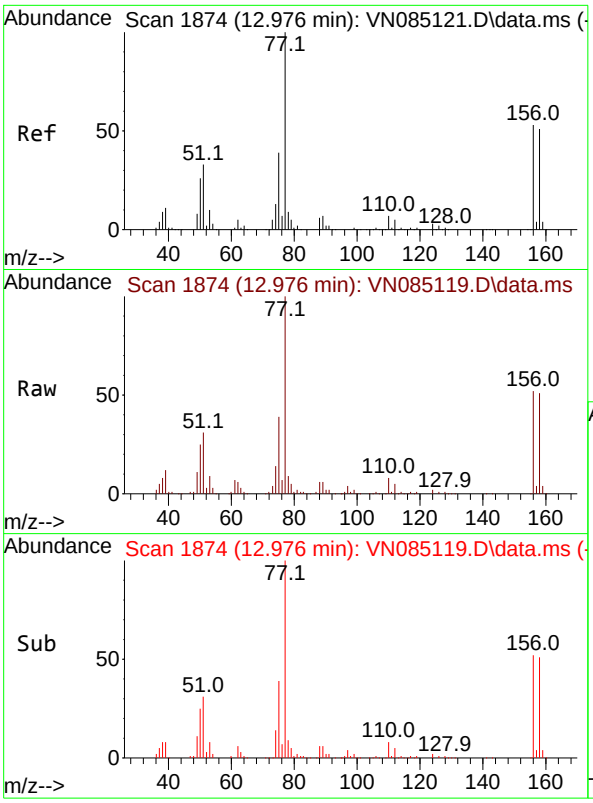


#72
1,2,3-Trichloropropane
Concen: 64.314 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 75 Resp: 176818

Ion	Ratio	Lower	Upper
75	100		
77	136.3	0.0	339.0



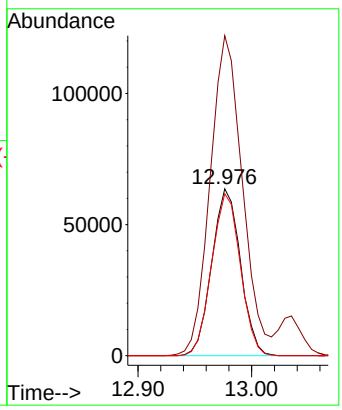


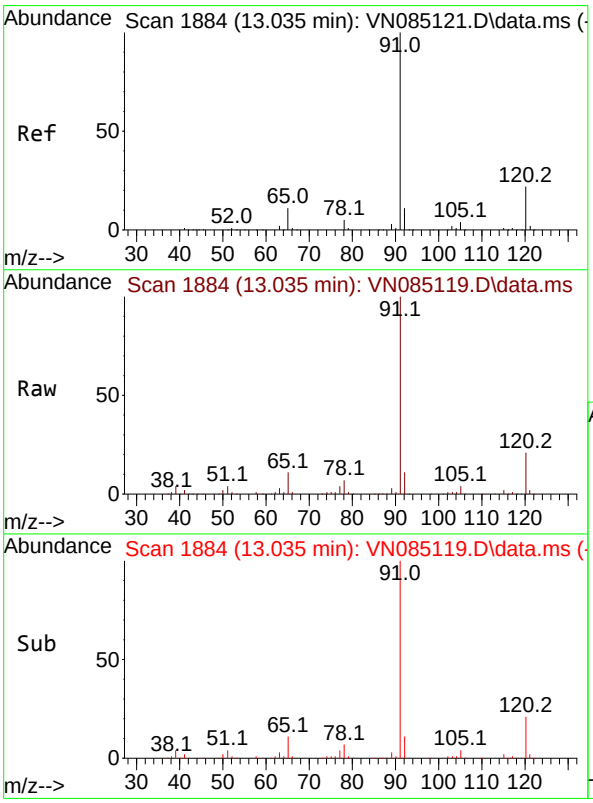
#73
Bromobenzene
Concen: 48.711 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:156 Resp: 111567

Ion	Ratio	Lower	Upper
156	100		
77	216.1	0.0	430.4
158	97.2	0.0	195.2

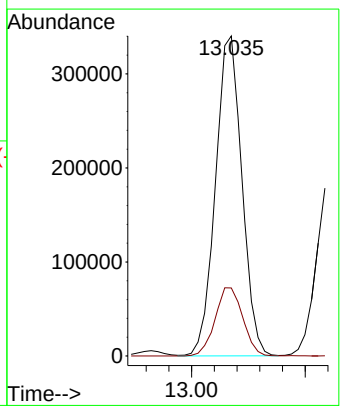


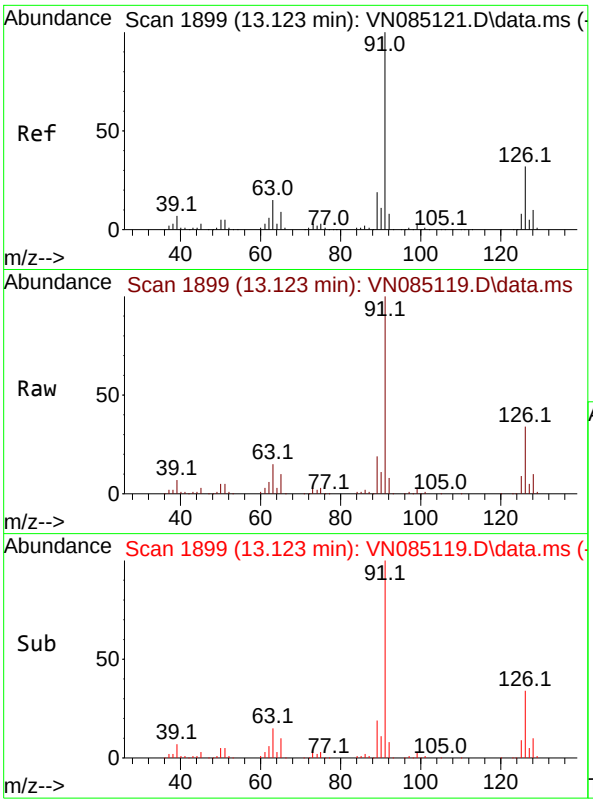


#74
n-propylbenzene
Concen: 50.065 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 91 Resp: 550361

Ion	Ratio	Lower	Upper
91	100		
120	22.3	0.0	44.0



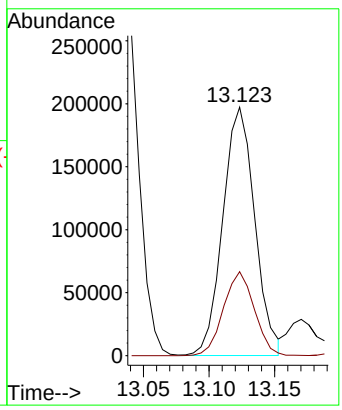


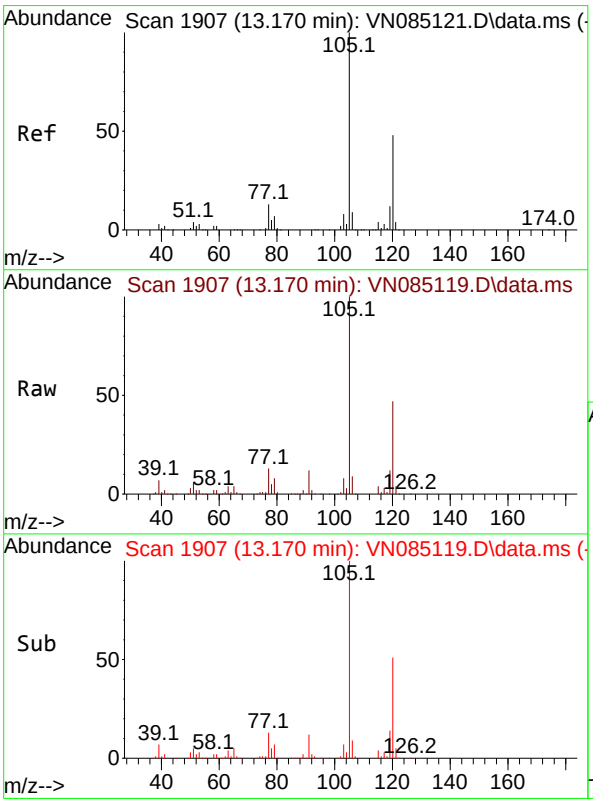
#75
2-Chlorotoluene
Concen: 49.227 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 91 Resp: 334590

Ion	Ratio	Lower	Upper
91	100		
126	32.6	0.0	64.2

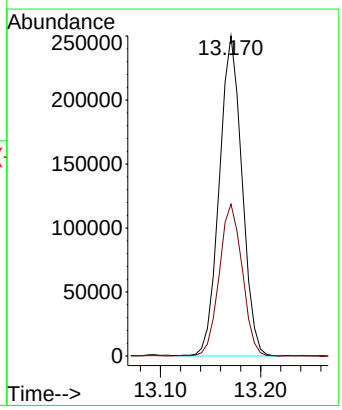


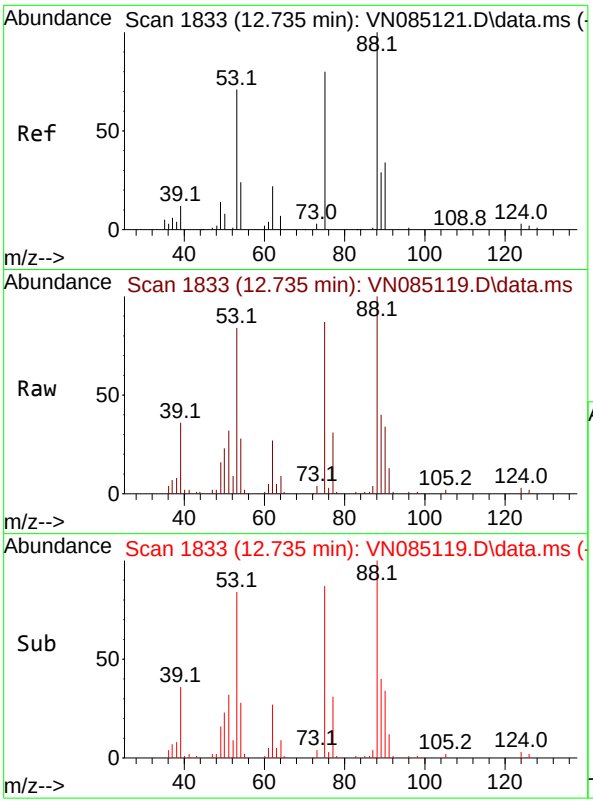


#76
1,3,5-Trimethylbenzene
Concen: 50.202 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:105 Resp: 393277

Ion	Ratio	Lower	Upper
105	100		
120	47.9	0.0	94.4



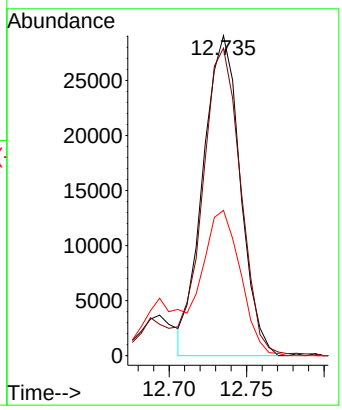


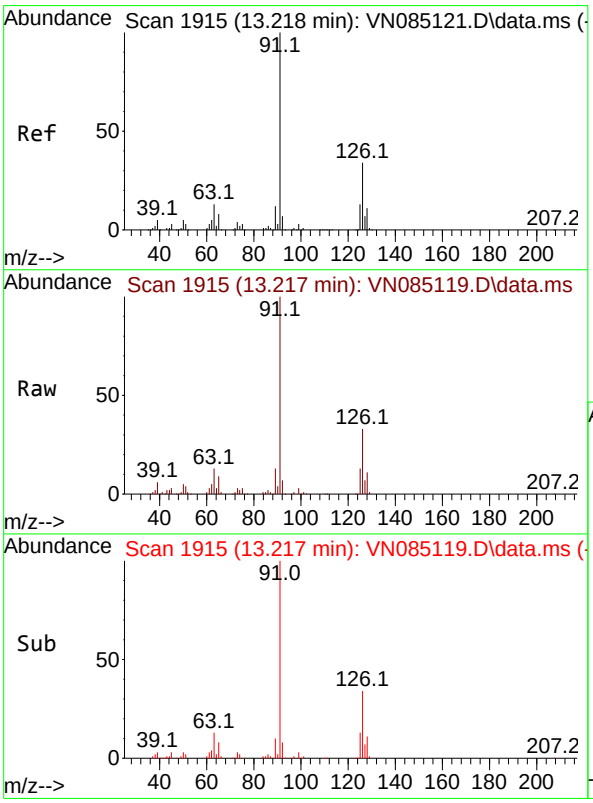
#77
t-1,4-Dichloro-2-butene
Concen: 48.553 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 75 Resp: 48505

Ion	Ratio	Lower	Upper
75	100		
53	95.0	49.1	147.3
89	44.7	22.9	68.5

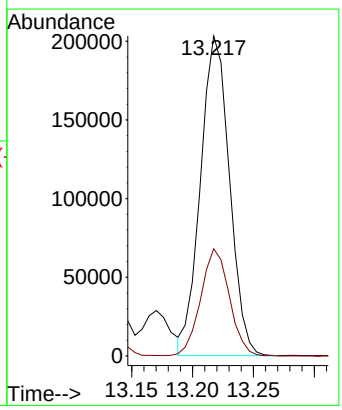


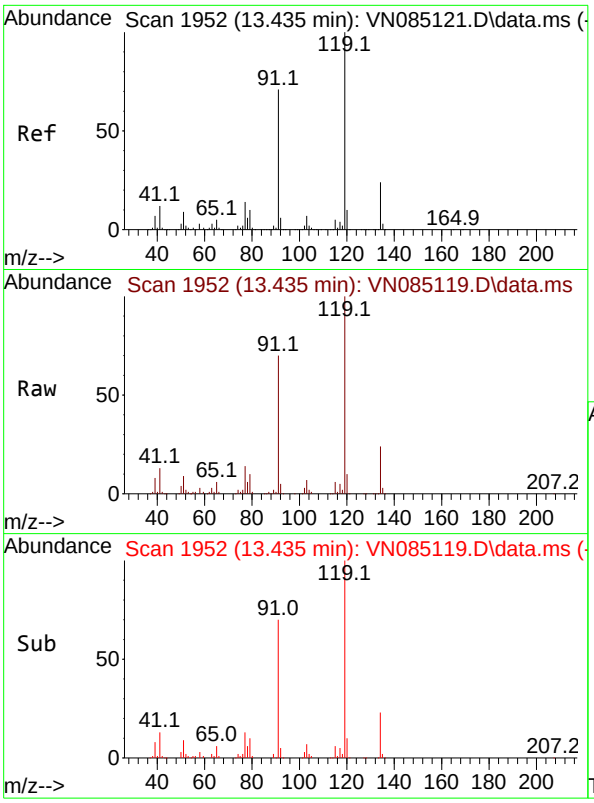


#78
4-Chlorotoluene
Concen: 48.823 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 91 Resp: 336818

Ion	Ratio	Lower	Upper
91	100		
126	33.2	0.0	64.4



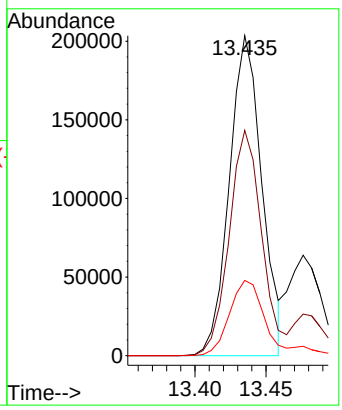


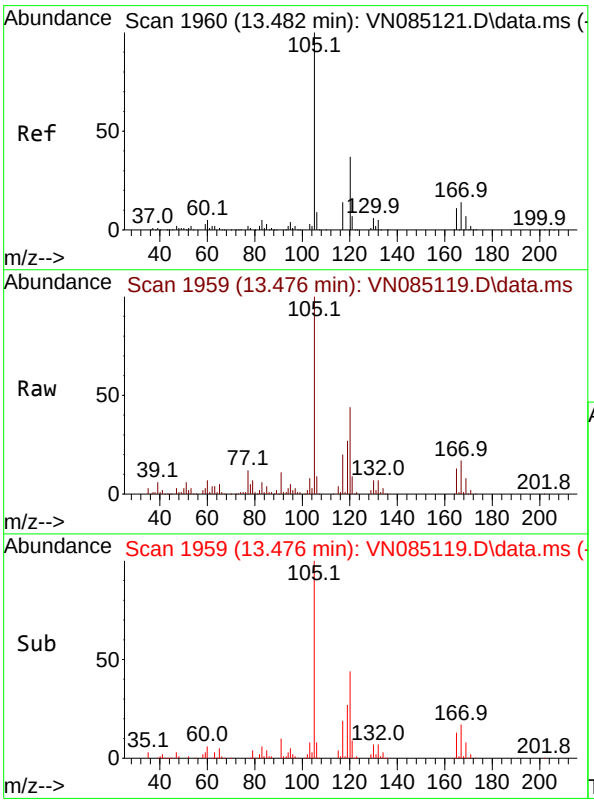
#79
tert-butylbenzene
Concen: 50.365 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:119 Resp: 324073

Ion	Ratio	Lower	Upper
119	100		
91	70.8	0.0	139.2
134	24.6	0.0	48.0

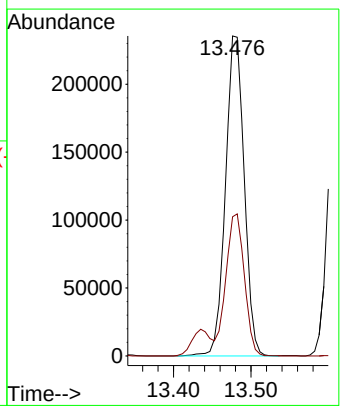


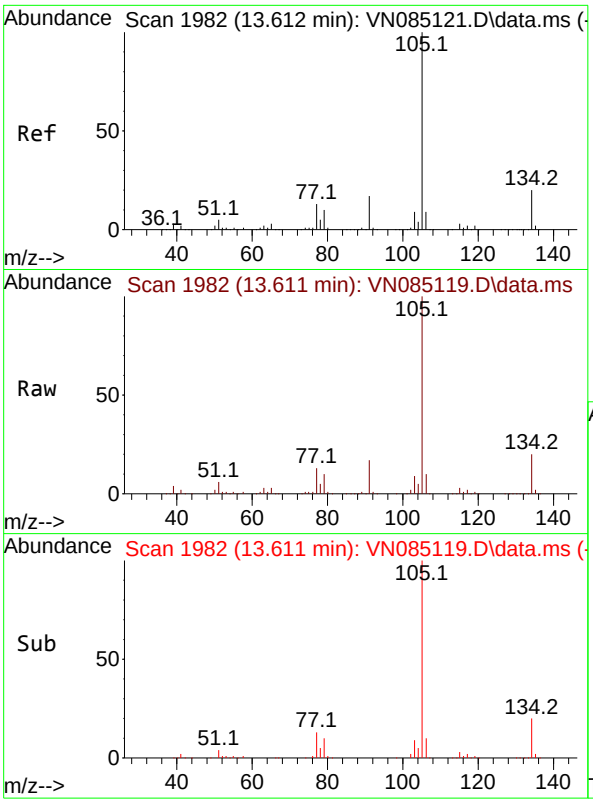


#80
1,2,4-Trimethylbenzene
Concen: 51.207 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:105 Resp: 396249

Ion	Ratio	Lower	Upper
105	100		
120	43.6	0.0	87.4



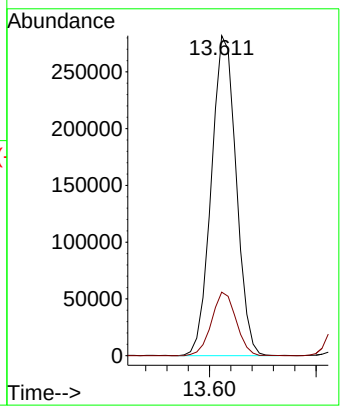


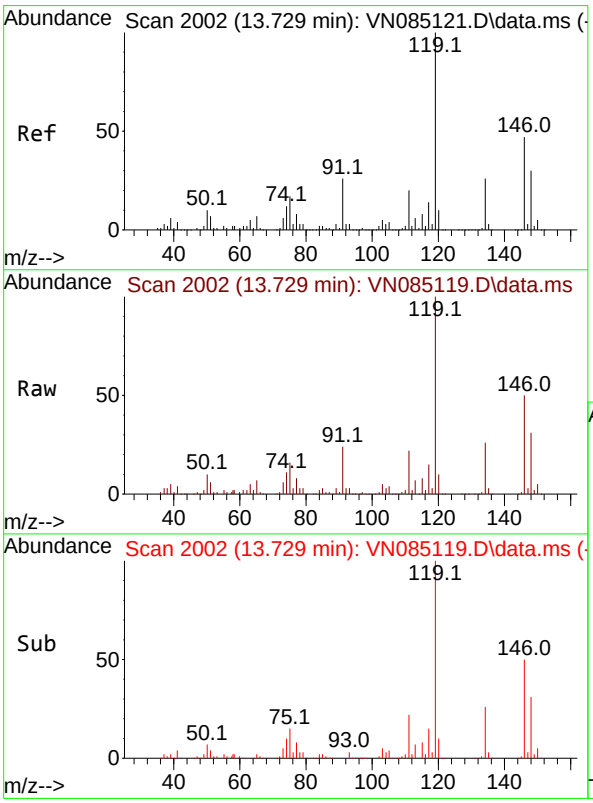
#81
sec-Butylbenzene
Concen: 49.942 ug/l
RT: 13.611 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:105 Resp: 456540

Ion	Ratio	Lower	Upper
105	100		
134	19.6	0.0	38.0

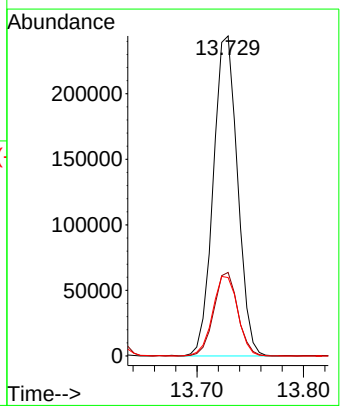


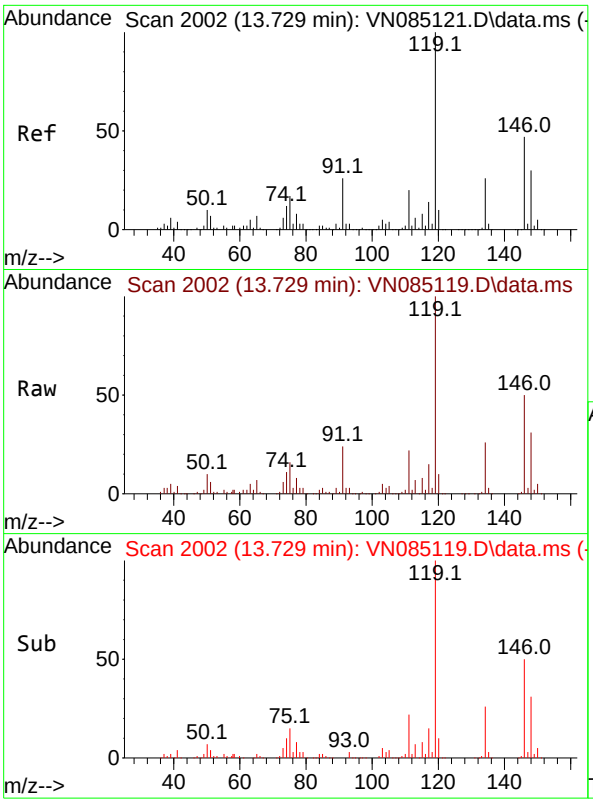


#82
p-Isopropyltoluene
Concen: 50.937 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:119 Resp: 386040

Ion	Ratio	Lower	Upper
119	100		
134	25.7	0.0	51.6
91	25.7	0.0	50.4



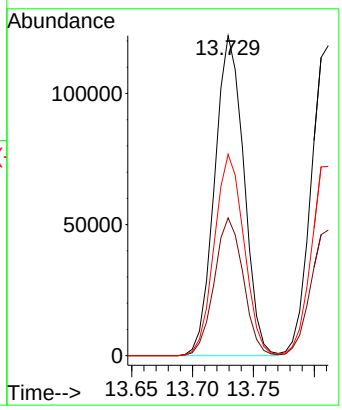


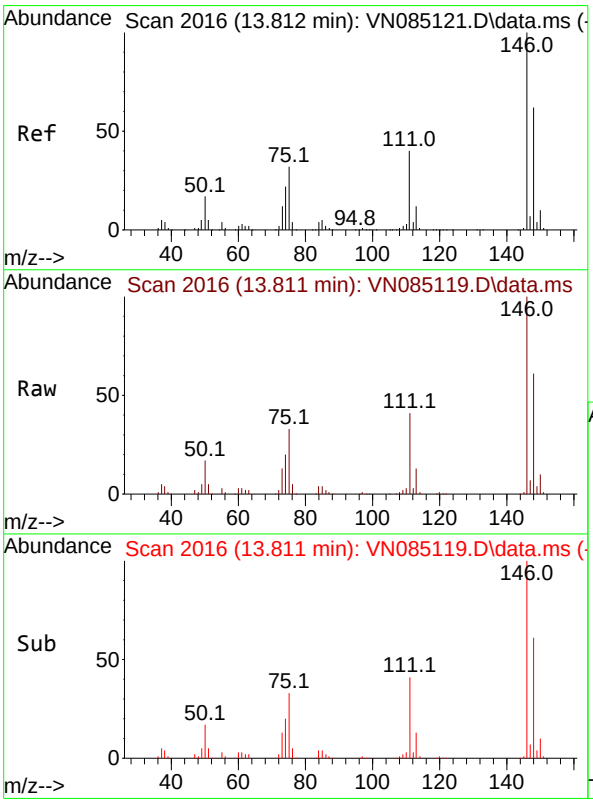
#83
1,3-Dichlorobenzene
Concen: 48.588 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:146 Resp: 204168

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.3
148	63.8	31.8	95.3

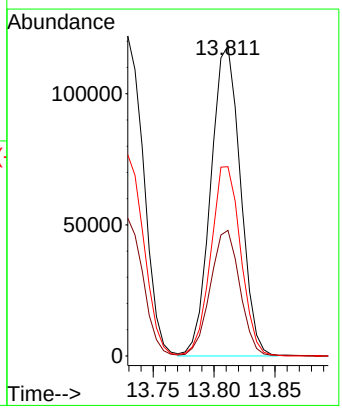


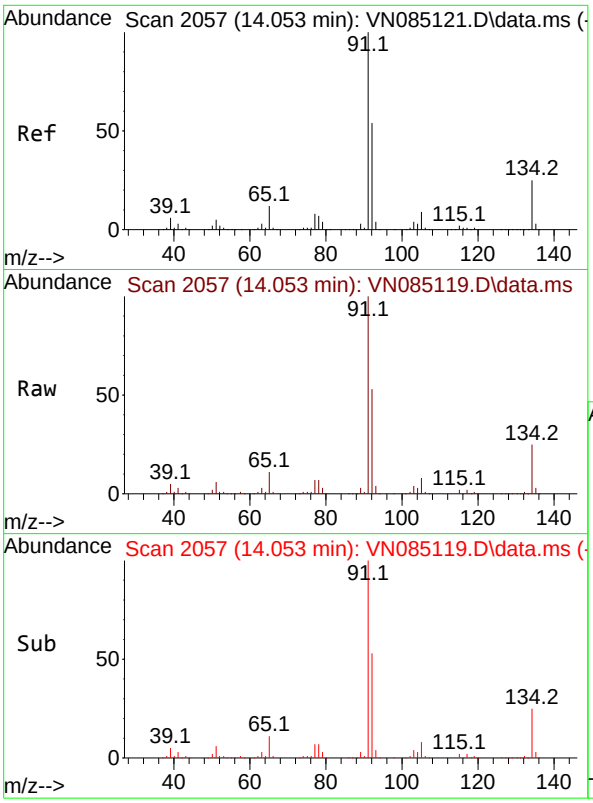


#84
1,4-Dichlorobenzene
Concen: 48.993 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:146 Resp: 200637

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.1	60.3
148	61.7	31.6	94.7



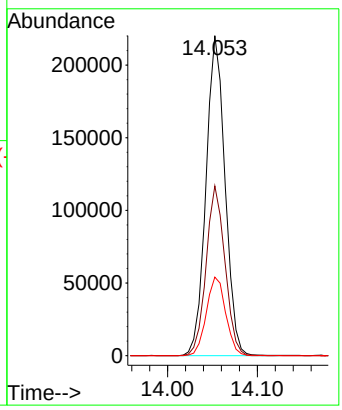


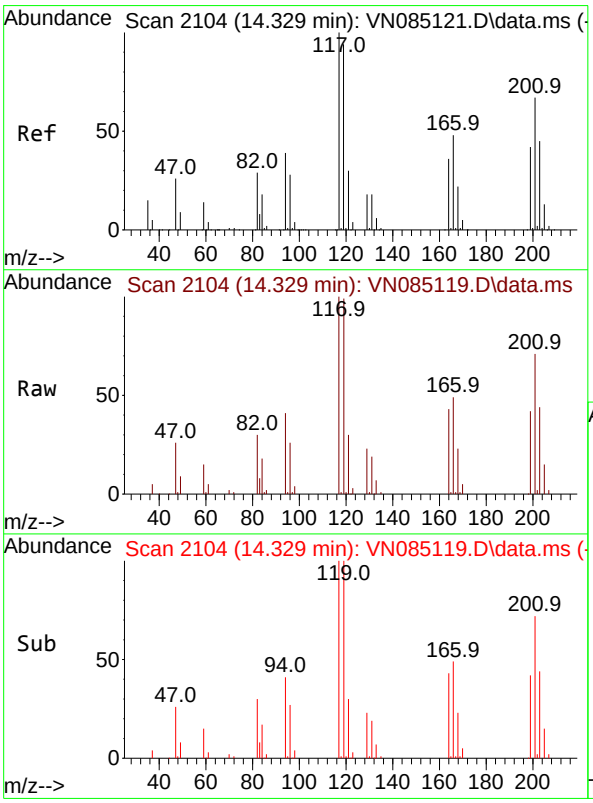
#85
n-Butylbenzene
Concen: 51.146 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 91 Resp: 325144

Ion	Ratio	Lower	Upper
91	100		
92	52.5	0.0	104.0
134	24.9	0.0	49.2

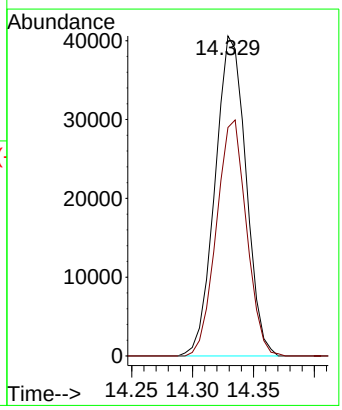


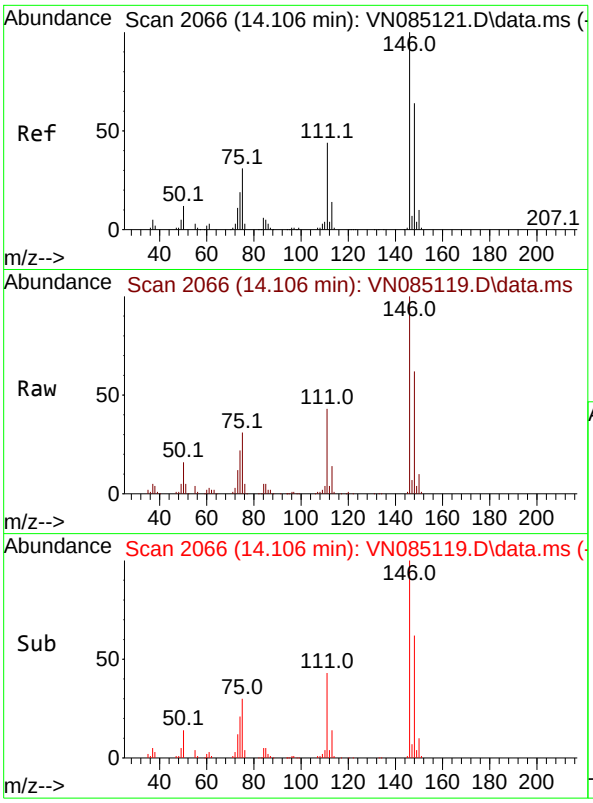


#86
Hexachloroethane
Concen: 47.548 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:117 Resp: 71737

Ion	Ratio	Lower	Upper
117	100		
201	71.7	34.1	102.3



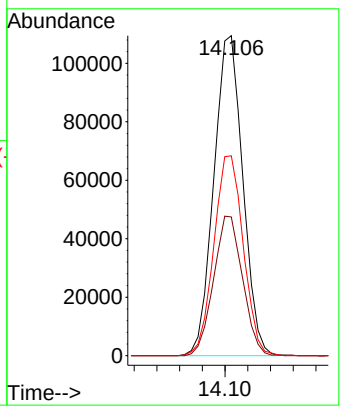


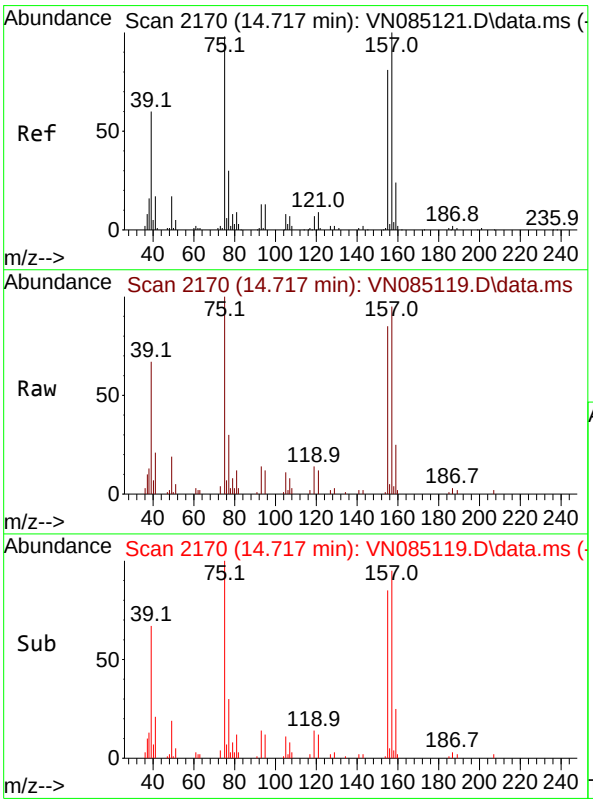
#87
1,2-Dichlorobenzene
Concen: 48.889 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:146 Resp: 193910

Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.9	65.7
148	63.4	32.4	97.0

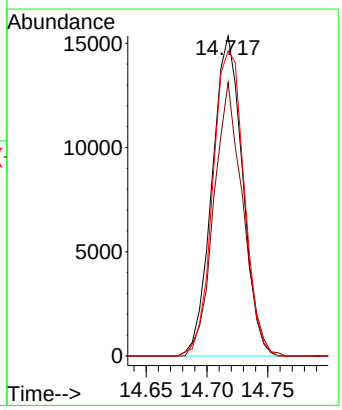


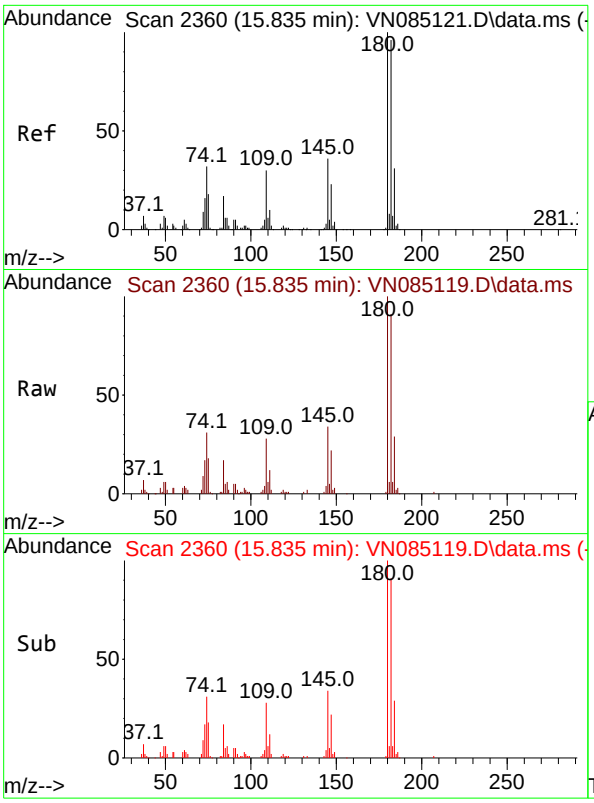


#88
1,2-Dibromo-3-Chloropropane
Concen: 47.975 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion: 75 Resp: 26674

Ion	Ratio	Lower	Upper
75	100		
155	81.6	62.1	93.1
157	97.8	79.3	118.9



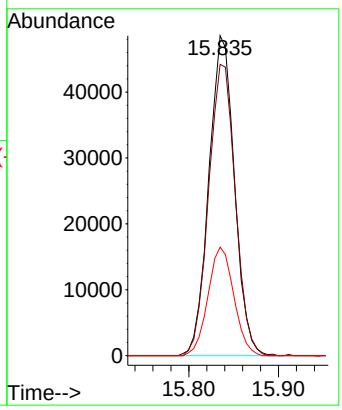


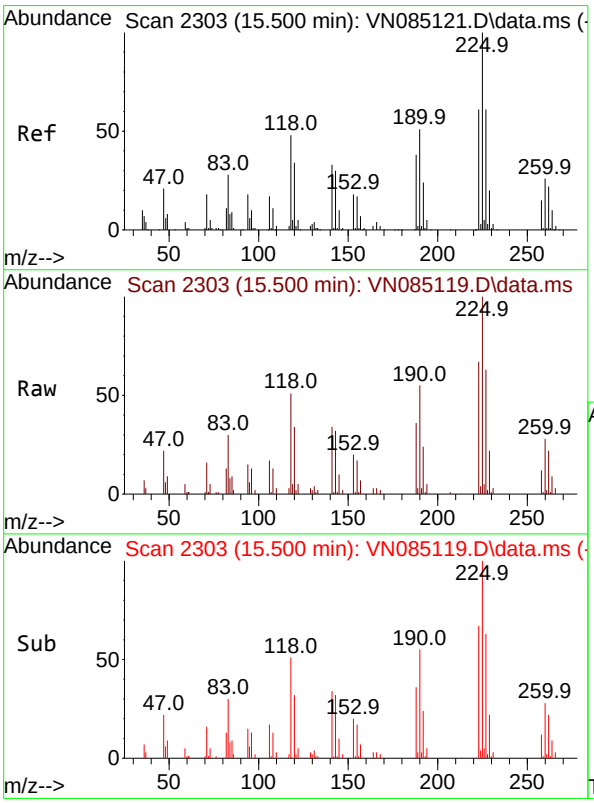
#89
1,2,4-Trichlorobenzene
Concen: 49.499 ug/l
RT: 15.835 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:180 Resp: 96150

Ion	Ratio	Lower	Upper
180	100		
182	94.7	74.0	111.0
145	34.3	28.6	43.0

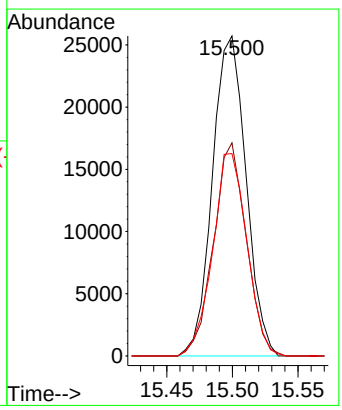


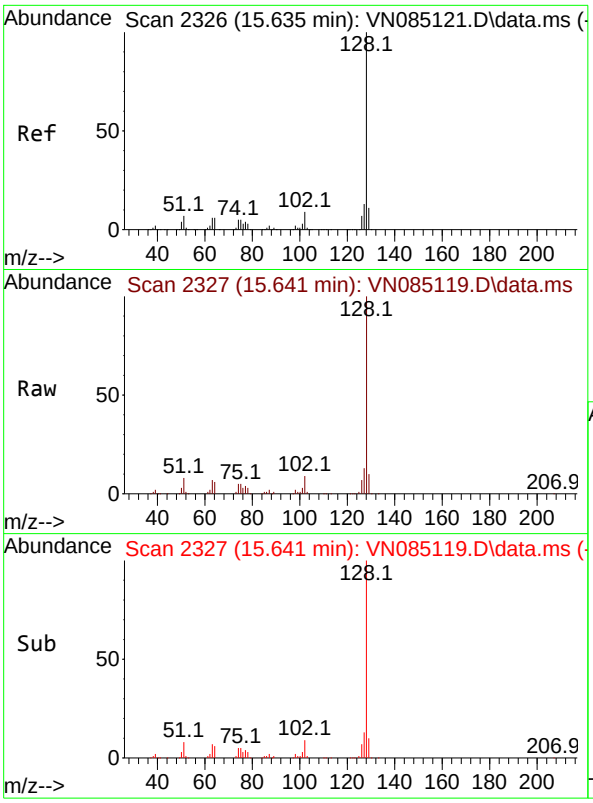


#90
Hexachlorobutadiene
Concen: 45.354 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:225 Resp: 45780

Ion	Ratio	Lower	Upper
225	100		
223	64.9	0.0	121.8
227	64.6	0.0	126.8



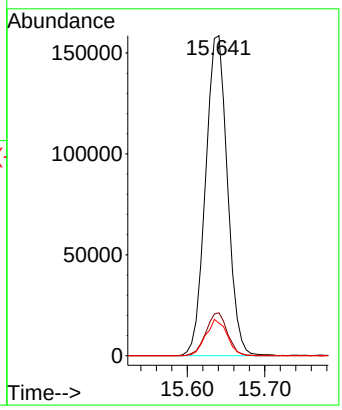


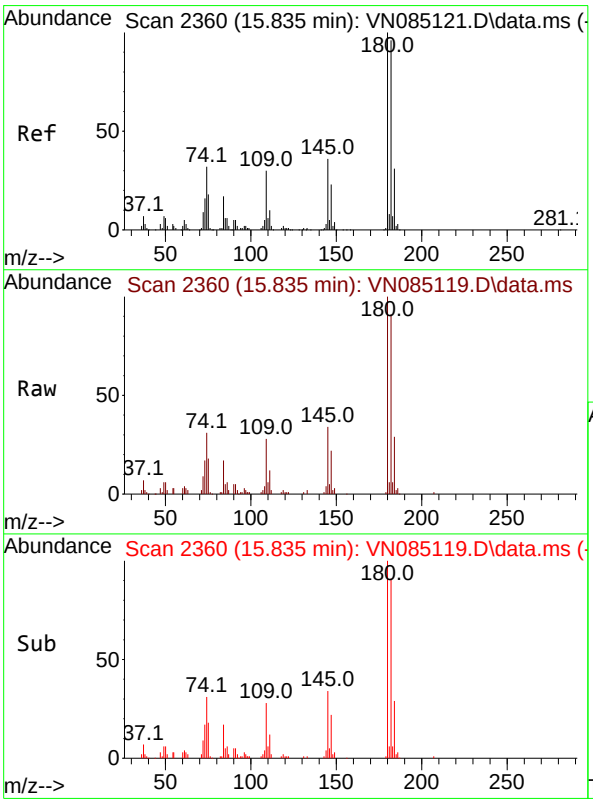
#91
Naphthalene
Concen: 51.498 ug/l
RT: 15.641 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:128 Resp: 310785

Ion	Ratio	Lower	Upper
128	100		
127	13.2	11.0	16.4
129	11.0	8.7	13.1

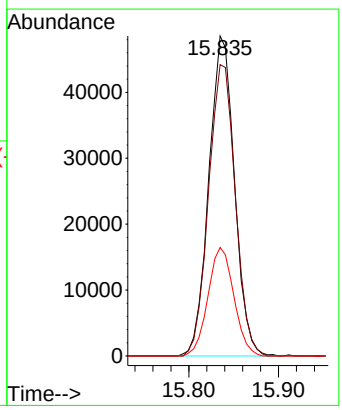




#92
1,2,3-Trichlorobenzene
Concen: 49.499 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085119.D
Acq: 06 Dec 2024 10:49

Tgt Ion:180 Resp: 96150

Ion	Ratio	Lower	Upper
180	100		
182	94.7	0.0	185.0
145	34.3	0.0	71.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085120.D
Acq On : 06 Dec 2024 11:13
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Dec 06 22:30:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	30288	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	165873	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	153060	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	71793	29.873	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.567%			
60) 4-Bromofluorobenzene	12.847	95	77922	30.768	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.567%			
63) Toluene-d8	10.565	98	210008	29.250	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	259006	106.887	ug/l	99
3) Chloromethane	2.359	50	222342	103.665	ug/l	98
4) Vinyl Chloride	2.512	62	227959	103.912	ug/l	99
5) Bromomethane	2.942	94	137690	98.857	ug/l	99
6) Chloroethane	3.112	64	139552	103.541	ug/l	100
7) Trichlorofluoromethane	3.494	101	376125	104.742	ug/l	100
8) Diethyl Ether	3.959	74	126597	111.303	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	208174	103.665	ug/l	99
10) 1,1-Dichloroethene	4.336	96	199737	108.286	ug/l	98
11) Methyl Iodide	4.589	142	285314	111.529	ug/l	96
12) Methyl Acetate	5.018	43	232698	106.935	ug/l	96
13) Acrolein	4.177	56	170574	539.405	ug/l	96
14) Acrylonitrile	5.712	53	493102	545.734	ug/l	97
15) Acetone	4.418	58	136513	557.523	ug/l	99
16) Carbon Disulfide	4.712	76	576373	104.540	ug/l	100
17) Allyl chloride	5.024	41	293051	111.032	ug/l	93
18) Methylene Chloride	5.271	84	214729	102.597	ug/l	99
19) trans-1,2-Dichloroethene	5.788	96	203123	105.945	ug/l	94
20) Diisopropyl ether	6.665	45	621282	107.259	ug/l	99
21) 1,1-Dichloroethane	6.565	63	374090	104.639	ug/l	99
22) cis-1,2-Dichloroethene	7.482	96	234199	106.277	ug/l	99
23) tert-Butyl Alcohol	5.518	59	184150	568.118	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	637140	110.650	ug/l #	77
25) Chloroform	7.965	83	384926	102.776	ug/l	94
26) Cyclohexane	8.253	56	327008	111.090	ug/l #	95
29) 1,1-Dichloropropene	8.371	75	279872	104.562	ug/l	99
30) 2-Butanone	7.477	43	648934	528.323	ug/l	99
31) 2,2-Dichloropropane	7.488	77	351838	102.508	ug/l #	100
32) 1,1,1-Trichloroethane	8.165	97	363069	100.216	ug/l	98
33) Carbon Tetrachloride	8.359	117	327001	100.027	ug/l	94
34) Benzene	8.606	78	853279	101.479	ug/l	99
35) Methacrylonitrile	7.777	41	142639	103.194	ug/l	94
36) 1,2-Dichloroethane	8.665	62	286487	100.087	ug/l	100
37) Trichloroethene	9.347	130	206395	103.077	ug/l	97
38) Methylcyclohexane	9.594	83	320395	110.090	ug/l	94
39) 1,2-Dichloropropane	9.618	63	202160	99.263	ug/l	98
40) Dibromomethane	9.706	93	145378	99.515	ug/l	99
41) Bromodichloromethane	9.882	83	312321	100.007	ug/l	95
42) Vinyl Acetate	6.600	43	2379940	553.721	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085120.D
Acq On : 06 Dec 2024 11:13
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Dec 06 22:30:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration

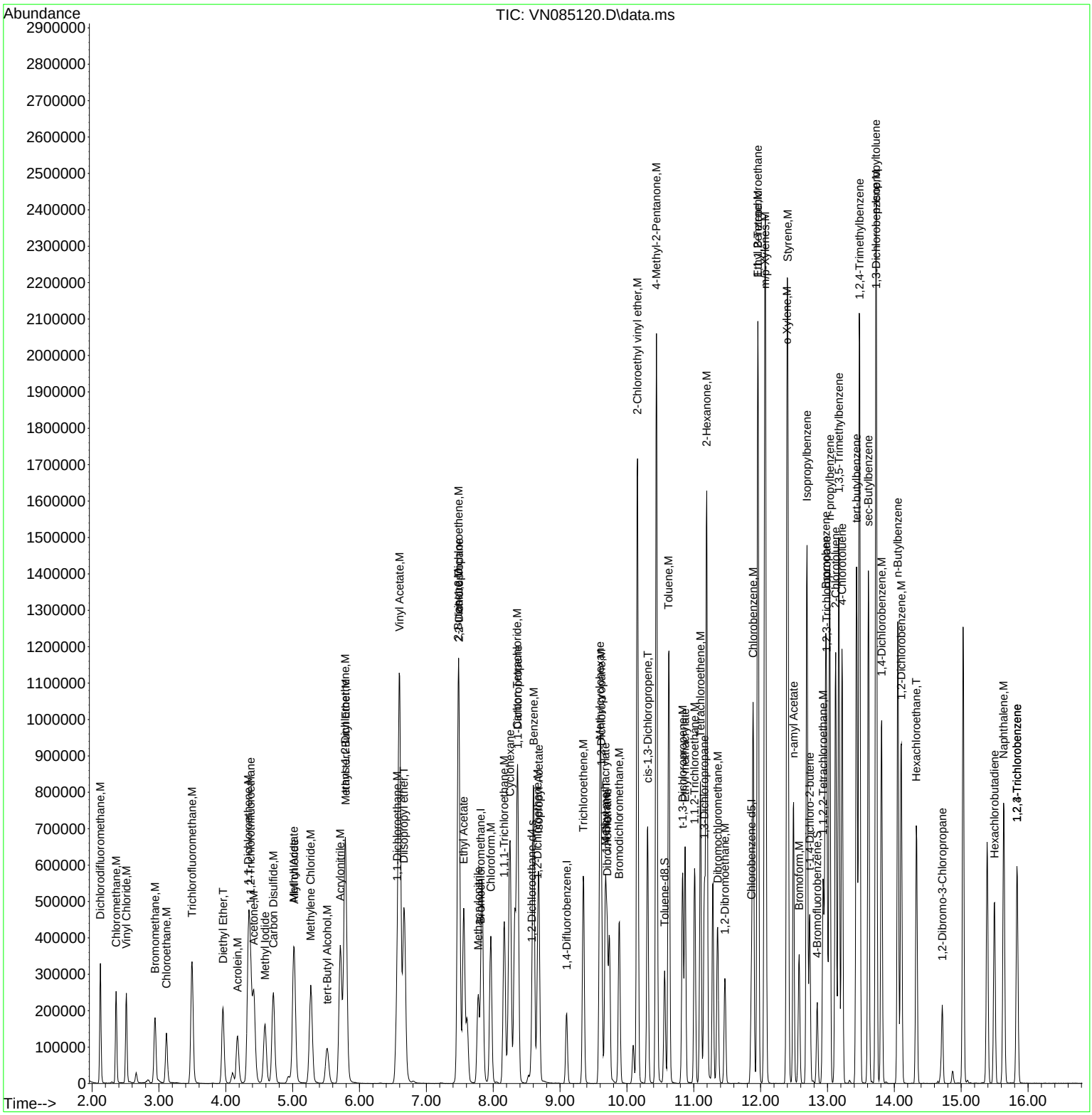
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.559	43	258485	105.766 ug/l	95
44) Isopropyl Acetate	8.682	43	438465	103.239 ug/l	98
45) 1,4-Dioxane	9.694	88	77646	2192.363 ug/l	97
46) Methyl methacrylate	9.676	41	210976	108.543 ug/l	97
47) n-amyl Acetate	12.494	43	398085	111.404 ug/l	93
48) t-1,3-Dichloropropene	10.835	75	327429	106.805 ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	347791	104.212 ug/l	97
50) 1,1,2-Trichloroethane	11.012	97	195188	99.153 ug/l	95
51) Ethyl methacrylate	10.870	69	335501	112.054 ug/l	96
52) 1,3-Dichloropropane	11.159	76	335834	101.938 ug/l	100
53) Dibromochloromethane	11.359	129	242265	100.988 ug/l	96
54) 1,2-Dibromoethane	11.465	107	205342	103.531 ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	785193	564.533 ug/l	100
56) Bromoform	12.576	173	166661	103.616 ug/l	96
58) 4-Methyl-2-Pentanone	10.441	43	1337734	535.524 ug/l	98
59) 2-Hexanone	11.194	43	1026218	542.184 ug/l	97
61) Tetrachloroethene	11.100	164	182933	98.693 ug/l	97
62) Toluene	10.623	91	917622	102.798 ug/l	100
64) Chlorobenzene	11.888	112	571760	103.744 ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	210736	102.429 ug/l	97
66) Ethyl Benzene	11.959	91	1036629	109.440 ug/l	98
67) m/p-Xylenes	12.070	106	791201	217.173 ug/l	98
68) o-Xylene	12.394	106	374478	109.449 ug/l	100
69) Styrene	12.406	104	648187	111.644 ug/l	100
70) Isopropylbenzene	12.694	105	985915	111.721 ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	268272	99.877 ug/l	95
72) 1,2,3-Trichloropropane	12.988	75	371562	140.036 ug/l	76
73) Bromobenzene	12.976	156	235738	106.648 ug/l	100
74) n-propylbenzene	13.035	91	1166509	109.952 ug/l	99
75) 2-Chlorotoluene	13.123	91	703050	107.179 ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	831794	110.018 ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	107962	111.976 ug/l	98
78) 4-Chlorotoluene	13.217	91	713716	107.197 ug/l	99
79) tert-butylbenzene	13.435	119	697873	112.381 ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	838873	112.327 ug/l	99
81) sec-Butylbenzene	13.611	105	983338	111.460 ug/l	98
82) p-Isopropyltoluene	13.723	119	829472	113.406 ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	429389	105.881 ug/l	100
84) 1,4-Dichlorobenzene	13.811	146	423137	107.060 ug/l	99
85) n-Butylbenzene	14.053	91	713519	116.298 ug/l	98
86) Hexachloroethane	14.329	117	154986	106.440 ug/l	96
87) 1,2-Dichlorobenzene	14.106	146	401301	104.836 ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	56942	106.118 ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	214927	114.647 ug/l	99
90) Hexachlorobutadiene	15.500	225	100252	102.912 ug/l	99
91) Naphthalene	15.635	128	719387	123.516 ug/l	98
92) 1,2,3-Trichlorobenzene	15.835	180	214927	114.647 ug/l	99

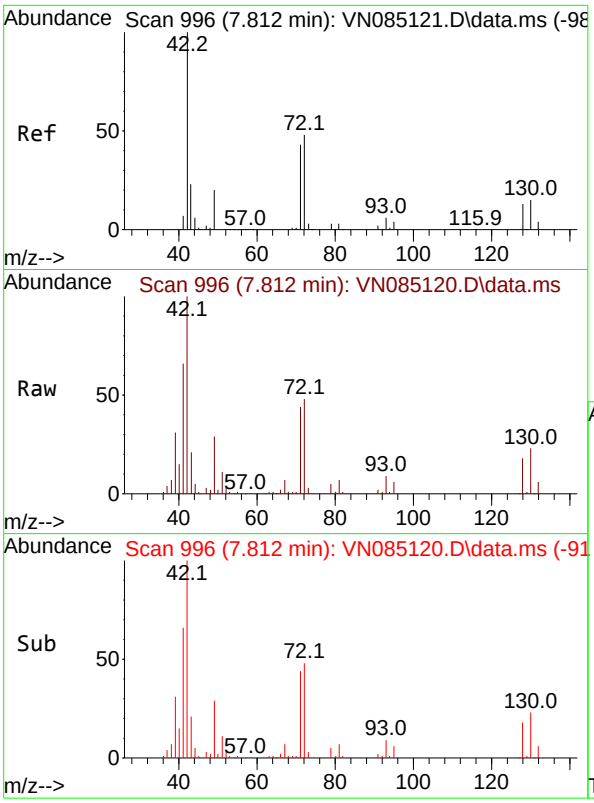
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085120.D
Acq On : 06 Dec 2024 11:13
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Dec 06 22:30:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration



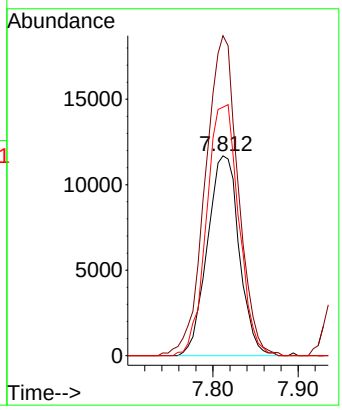


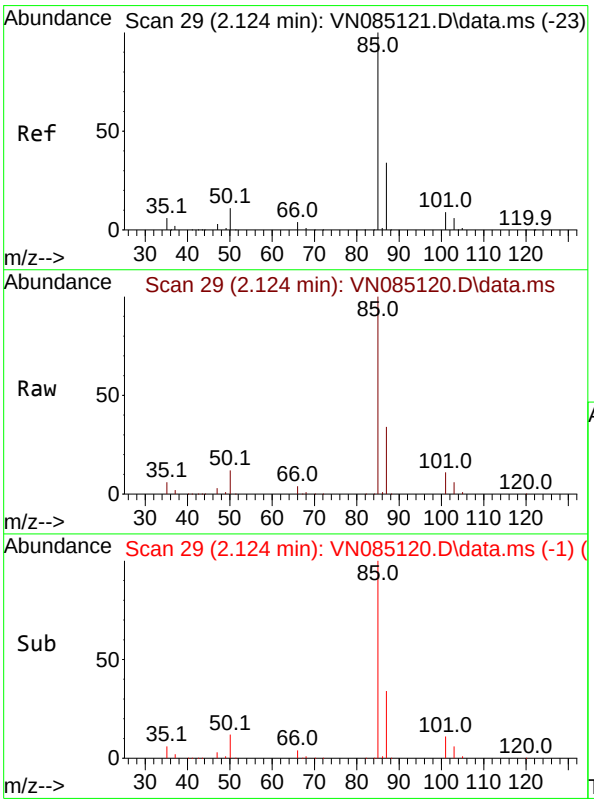
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 30288

Ion	Ratio	Lower	Upper
128	100		
49	165.3	0.0	394.5
130	127.2	0.0	316.5

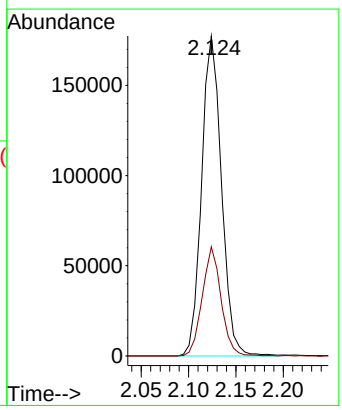


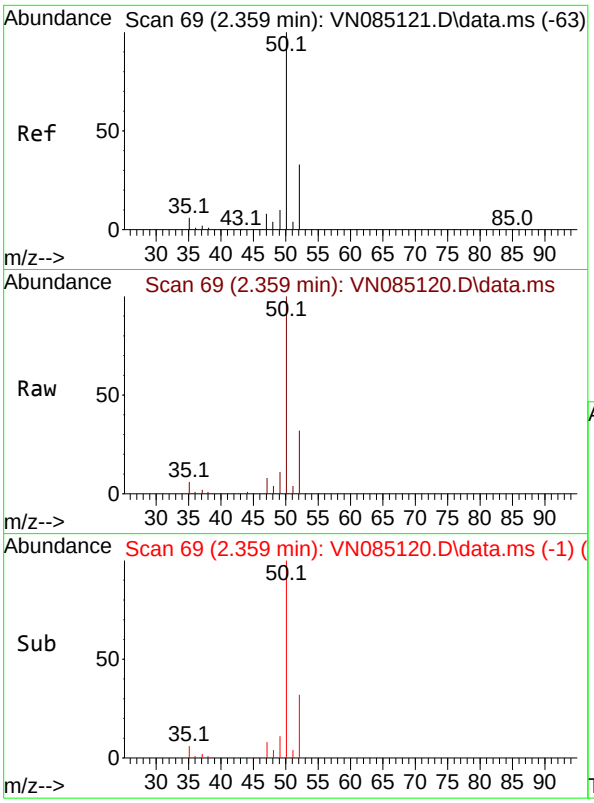


#2
Dichlorodifluoromethane
Concen: 106.887 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 85 Resp: 259006

Ion	Ratio	Lower	Upper
85	100		
87	34.1	16.8	50.3



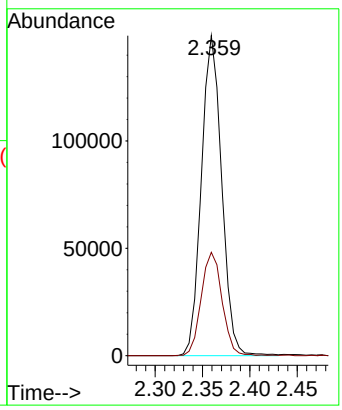


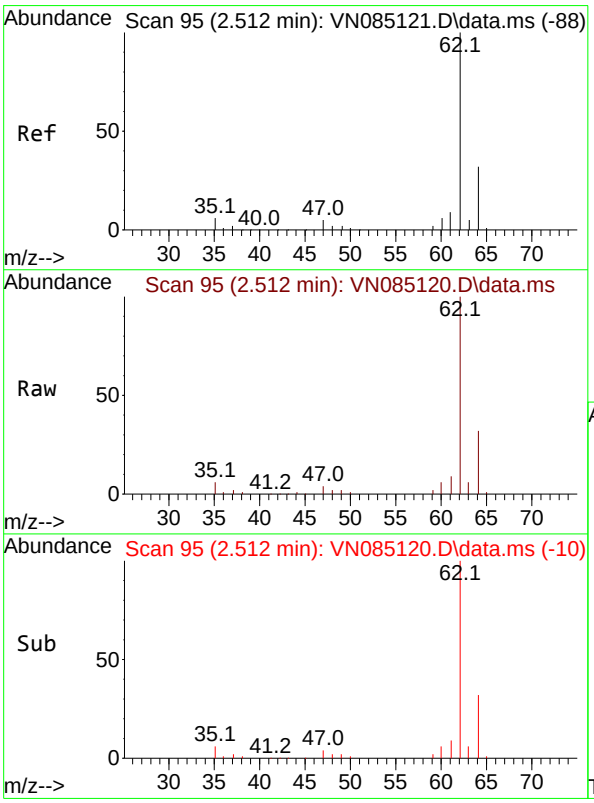
#3
Chloromethane
Concen: 103.665 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 222342

Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.0	37.4

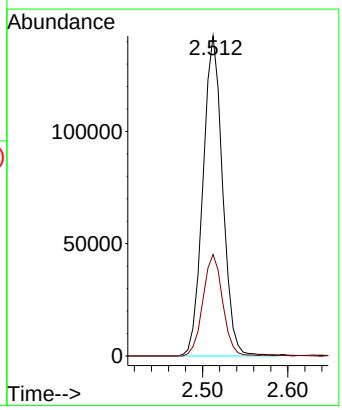


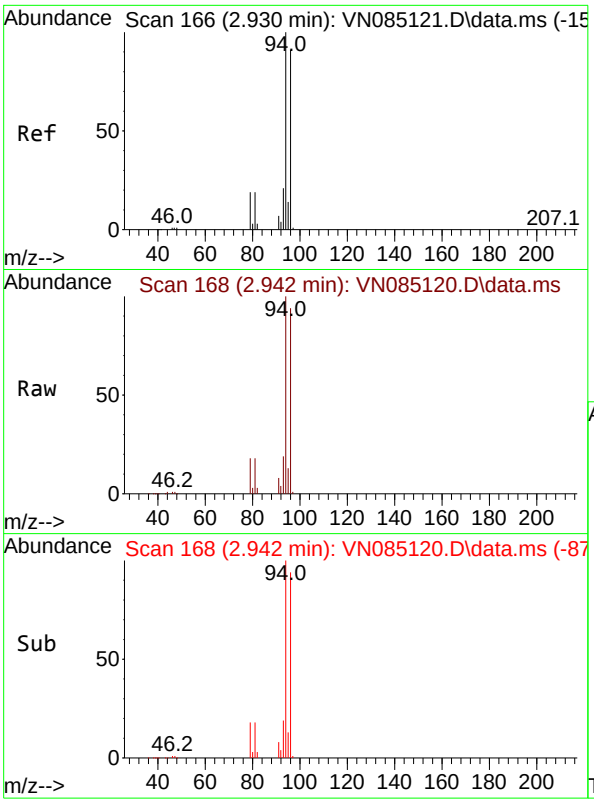


#4
Vinyl Chloride
Concen: 103.912 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 62 Resp: 227959

Ion	Ratio	Lower	Upper
62	100		
64	31.7	24.9	37.3



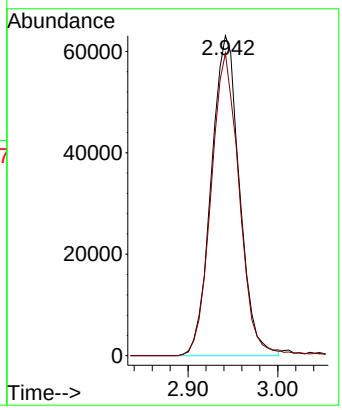


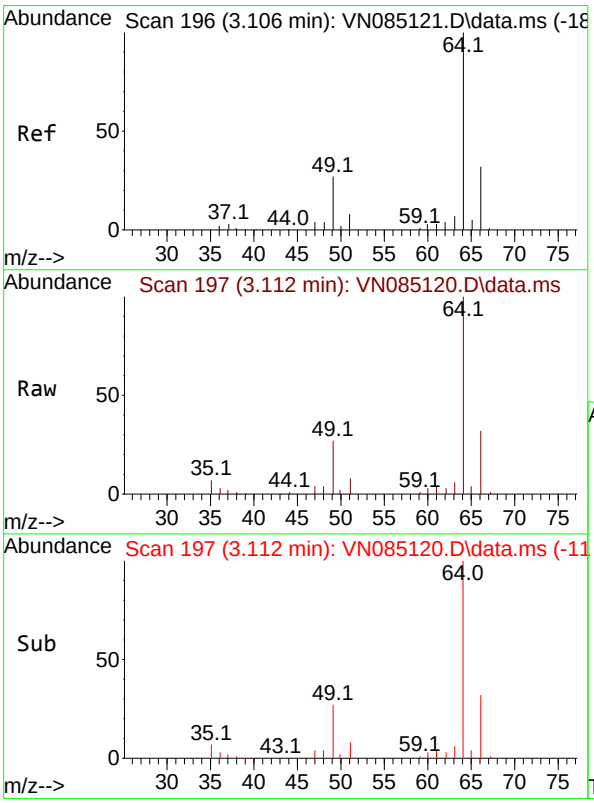
#5
Bromomethane
Concen: 98.857 ug/l
RT: 2.942 min Scan# 1
Delta R.T. -0.024 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 137690

Ion	Ratio	Lower	Upper
94	100		
96	94.5	76.2	114.4

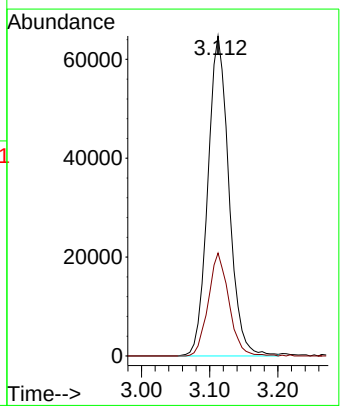


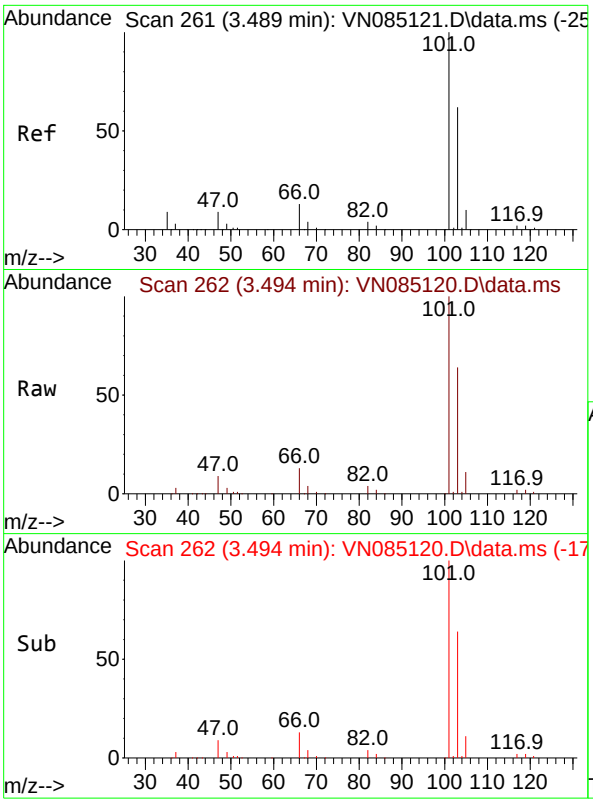


#6
Chloroethane
Concen: 103.541 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.012 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 64 Resp: 139552

Ion	Ratio	Lower	Upper
64	100		
66	32.2	25.5	38.3



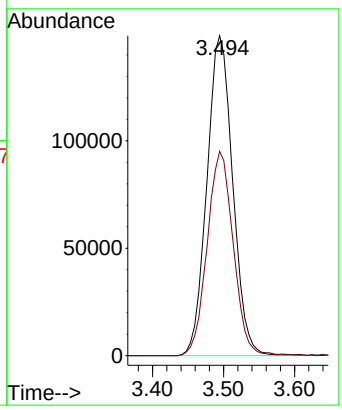


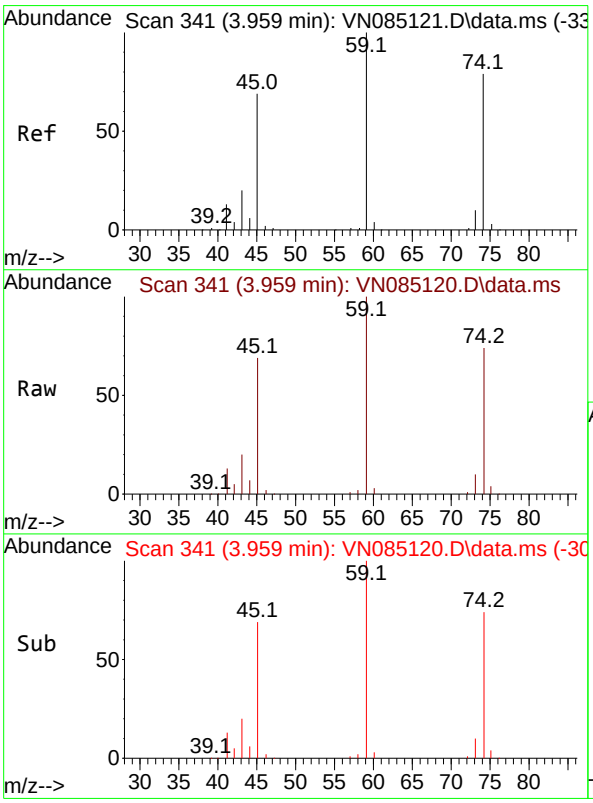
#7
Trichlorofluoromethane
Concen: 104.742 ug/l
RT: 3.494 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 376125

Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.3	76.9

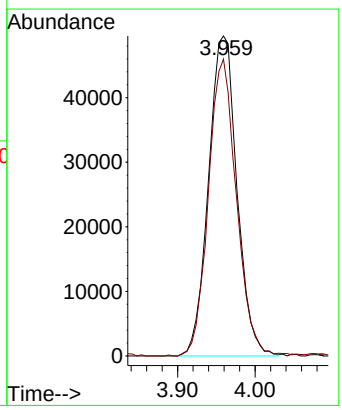


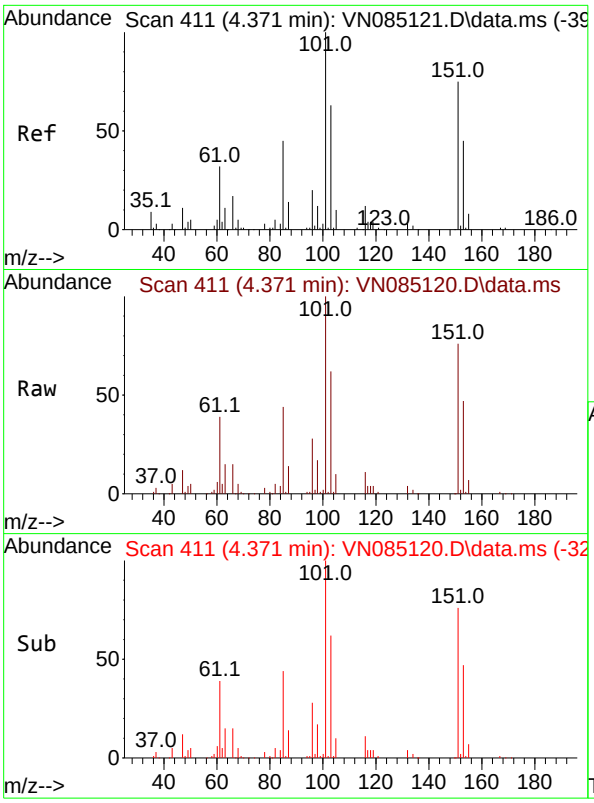


#8
Diethyl Ether
Concen: 111.303 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 74 Resp: 126597

Ion	Ratio	Lower	Upper
74	100		
45	90.9	18.6	167.8



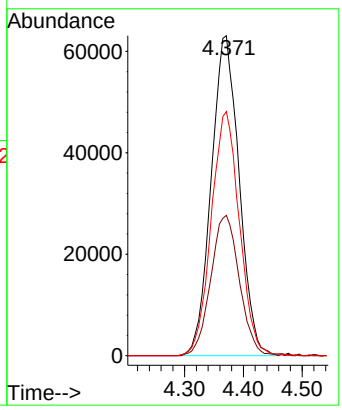


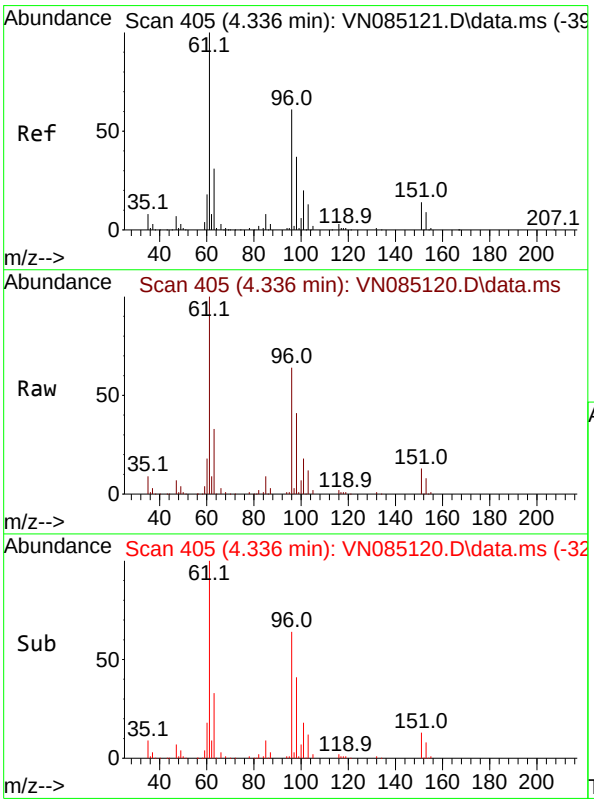
#9
1,1,2-Trichlorotrifluoroethane
Concen: 103.665 ug/l
RT: 4.371 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 208174

Ion	Ratio	Lower	Upper
101	100		
85	45.0	0.0	88.6
151	77.0	0.0	155.8

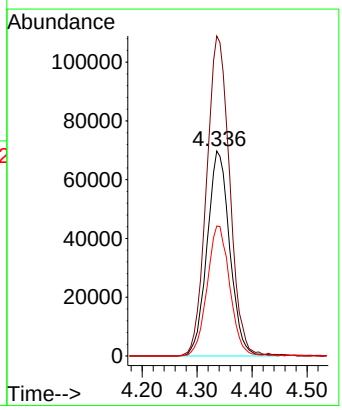


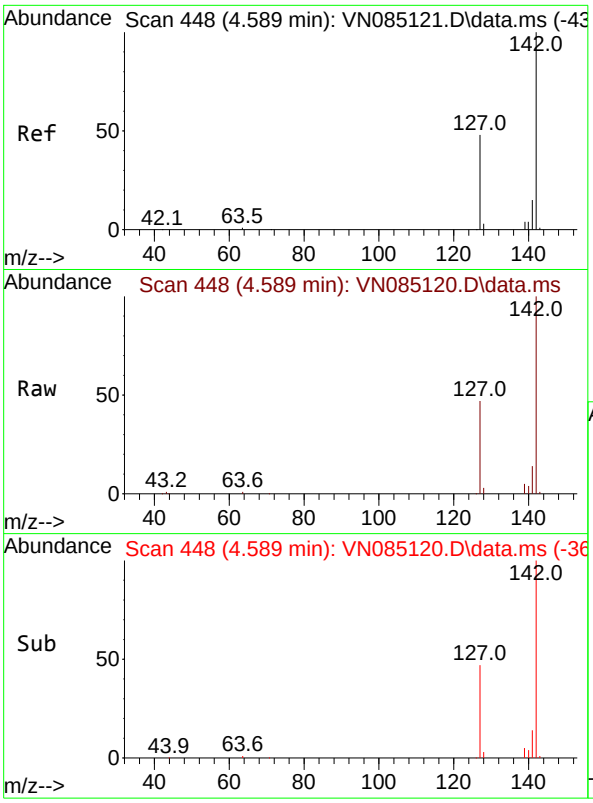


#10
1,1-Dichloroethene
Concen: 108.286 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 96 Resp: 199737

Ion	Ratio	Lower	Upper
96	100		
61	156.2	123.0	184.4
98	63.4	49.1	73.7



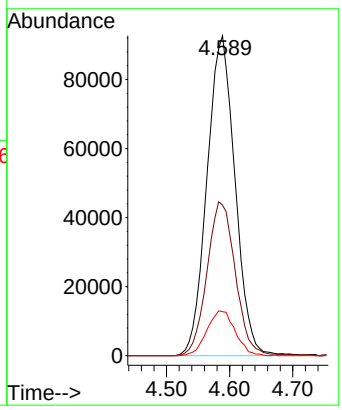


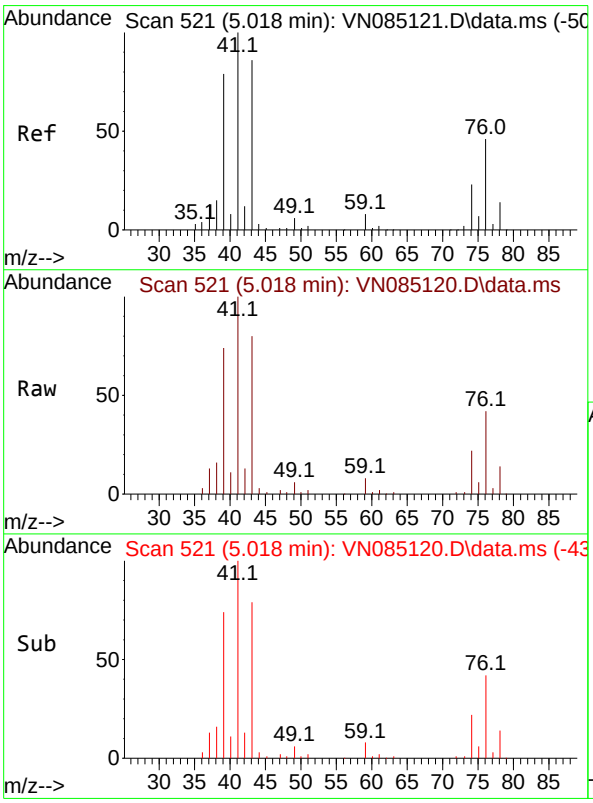
#11
Methyl Iodide
Concen: 111.529 ug/l
RT: 4.589 min Scan# 44
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:142 Resp: 285314

Ion	Ratio	Lower	Upper
142	100		
127	46.9	22.5	67.5
141	13.8	8.3	24.9

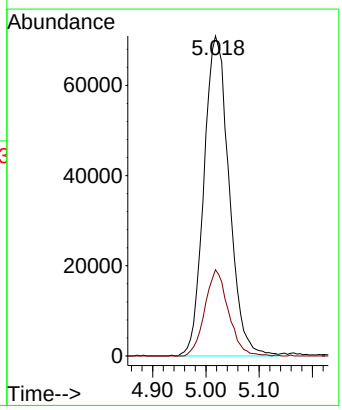


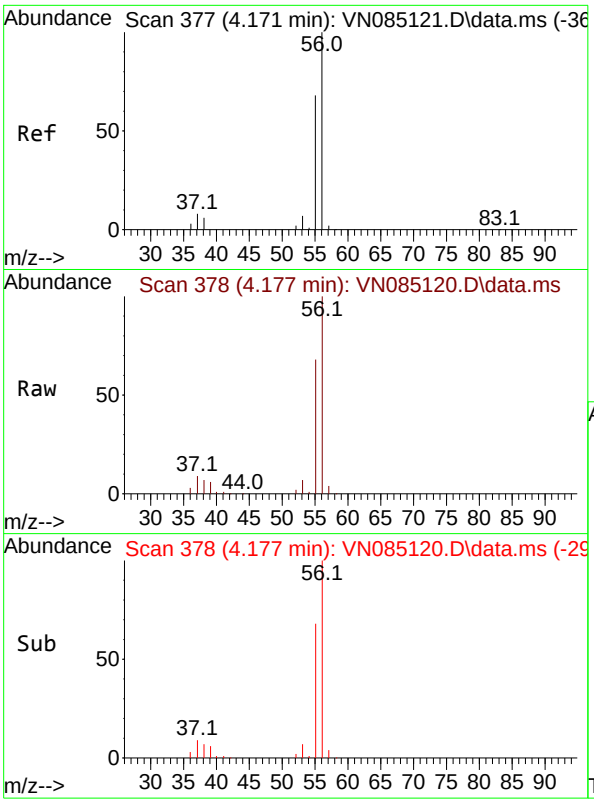


#12
Methyl Acetate
Concen: 106.935 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 43 Resp: 232698

Ion	Ratio	Lower	Upper
43	100		
74	26.9	19.8	29.6



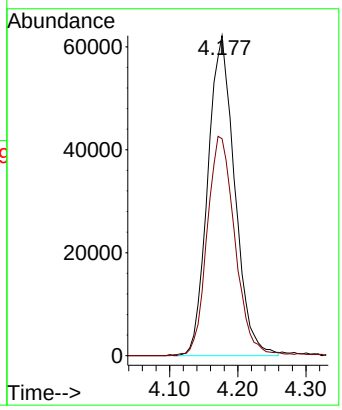


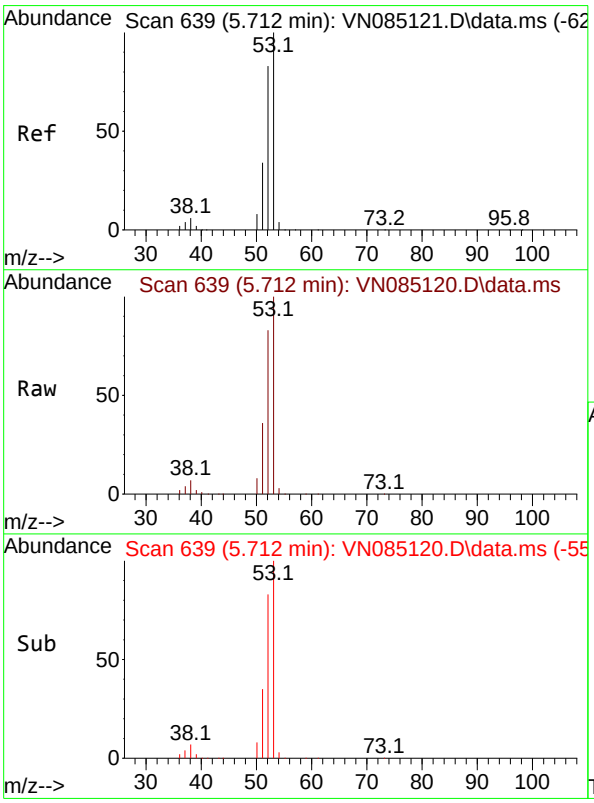
#13
Acrolein
Concen: 539.405 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 170574

Ion	Ratio	Lower	Upper
56	100		
55	70.6	59.4	89.0

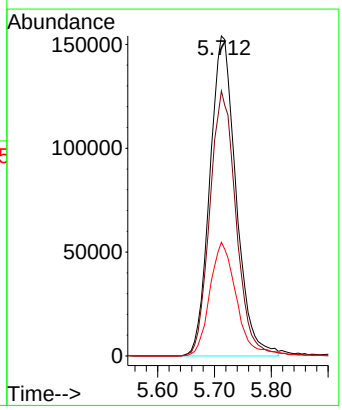


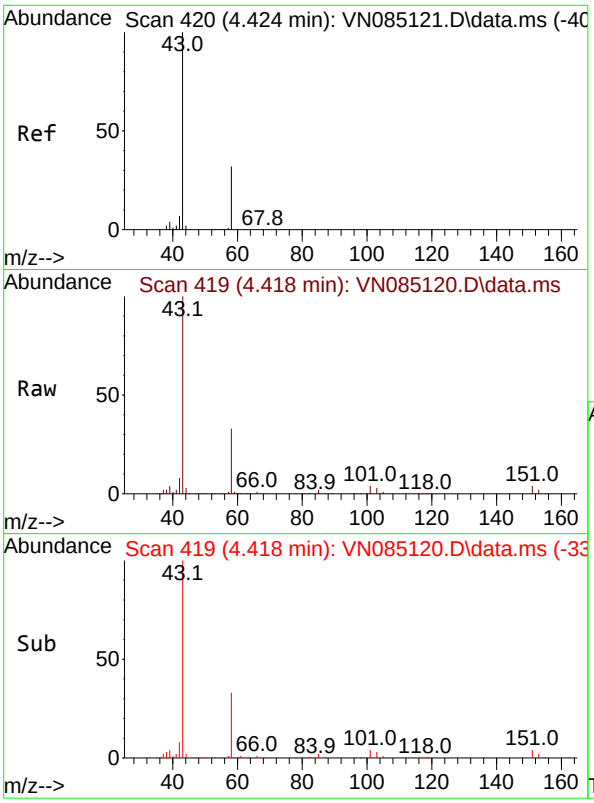


#14
Acrylonitrile
Concen: 545.734 ug/l
RT: 5.712 min Scan# 639
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 53 Resp: 493102

Ion	Ratio	Lower	Upper
53	100		
52	82.7	42.9	128.5
51	36.4	17.2	51.5



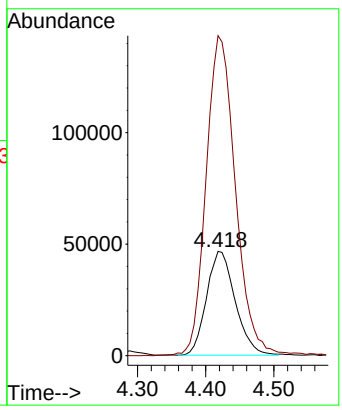


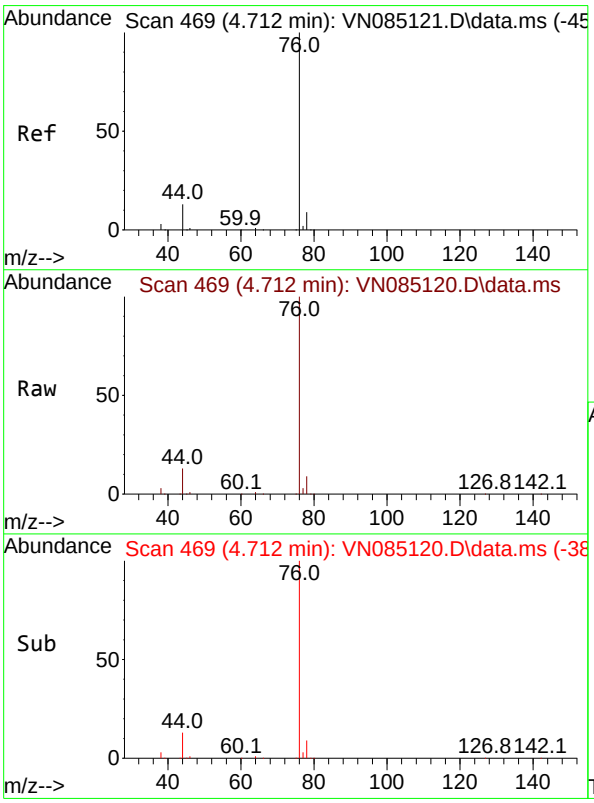
#15
Acetone
Concen: 557.523 ug/l
RT: 4.418 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 58 Resp: 136513

Ion	Ratio	Lower	Upper
58	100		
43	305.3	242.3	363.5

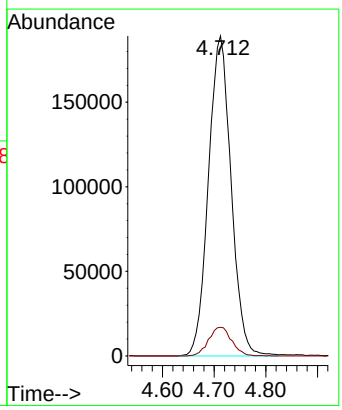


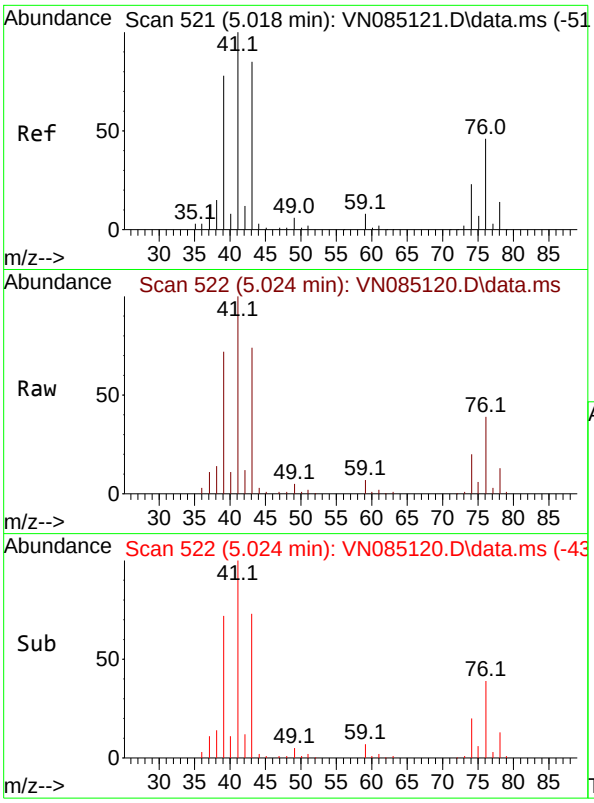


#16
Carbon Disulfide
Concen: 104.540 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 76 Resp: 576373

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7



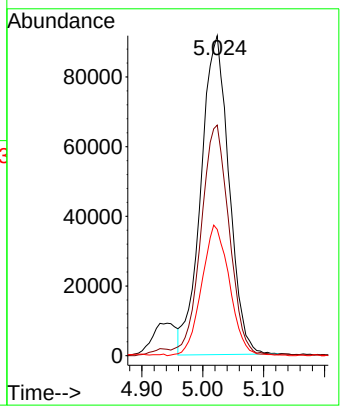


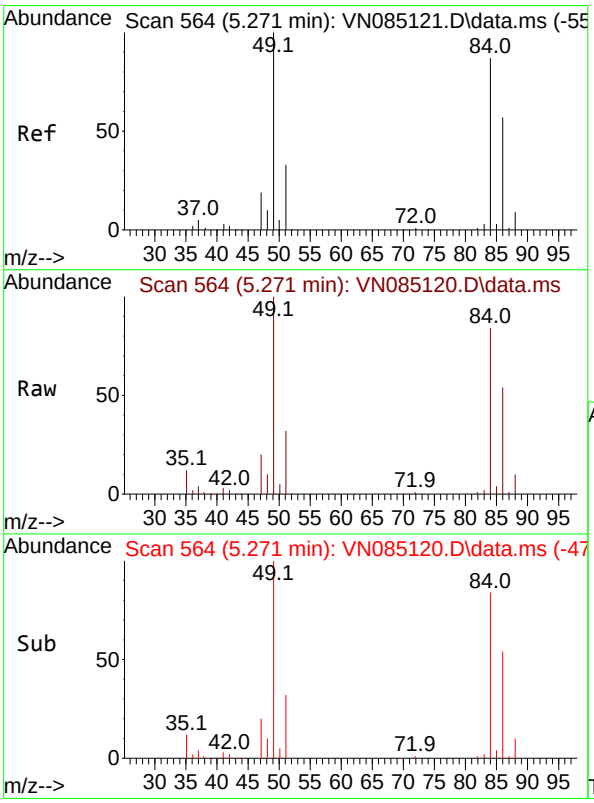
#17
Allyl chloride
Concen: 111.032 ug/l
RT: 5.024 min Scan# 5
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 293051

Ion	Ratio	Lower	Upper
41	100		
39	72.2	32.0	96.2
76	39.4	20.2	60.5

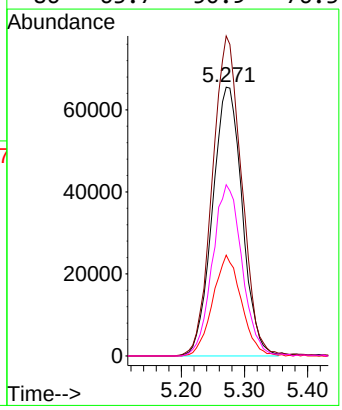


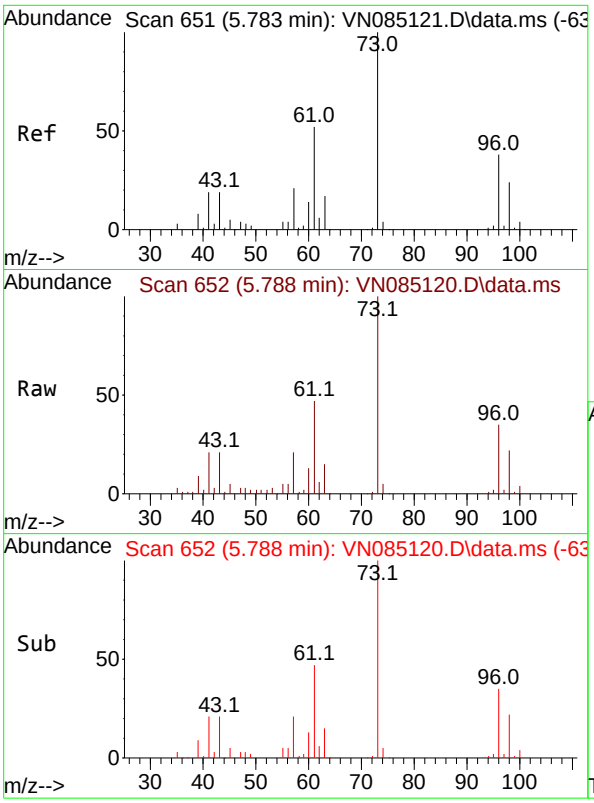


#18
Methylene Chloride
Concen: 102.597 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 84 Resp: 214729

Ion	Ratio	Lower	Upper
84	100		
49	118.8	95.1	142.7
51	37.5	27.4	41.0
86	63.7	50.9	76.3



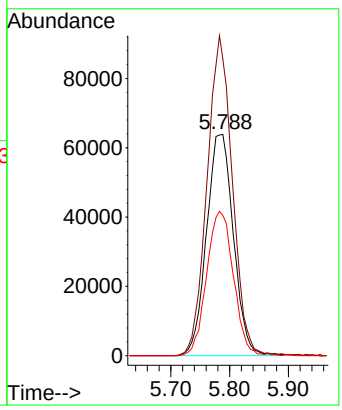


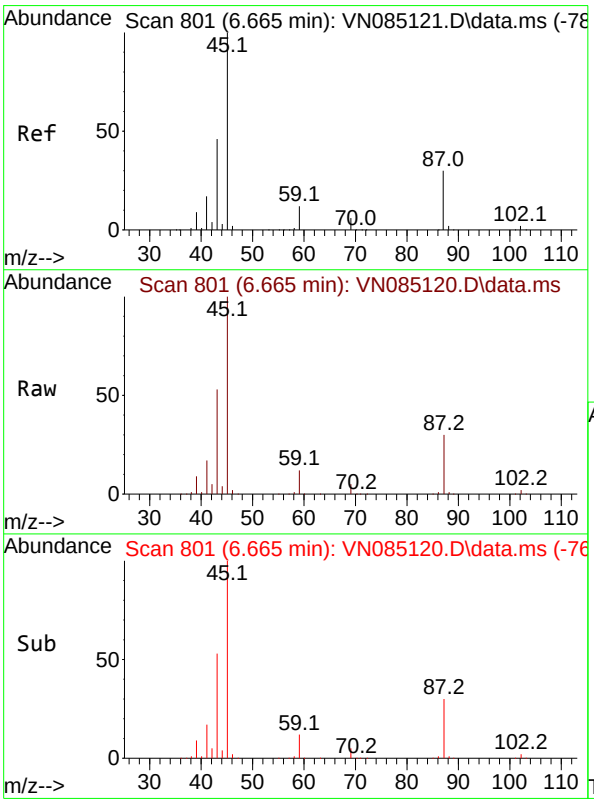
#19
trans-1,2-Dichloroethene
Concen: 105.945 ug/l
RT: 5.788 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 203123

Ion	Ratio	Lower	Upper
96	100		
61	133.8	100.4	150.6
98	63.4	52.6	79.0

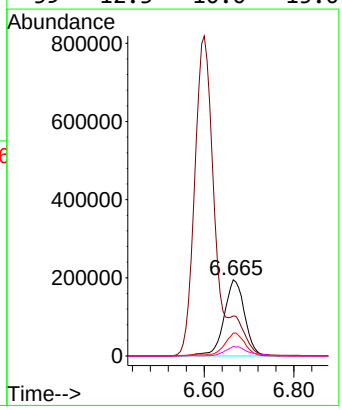


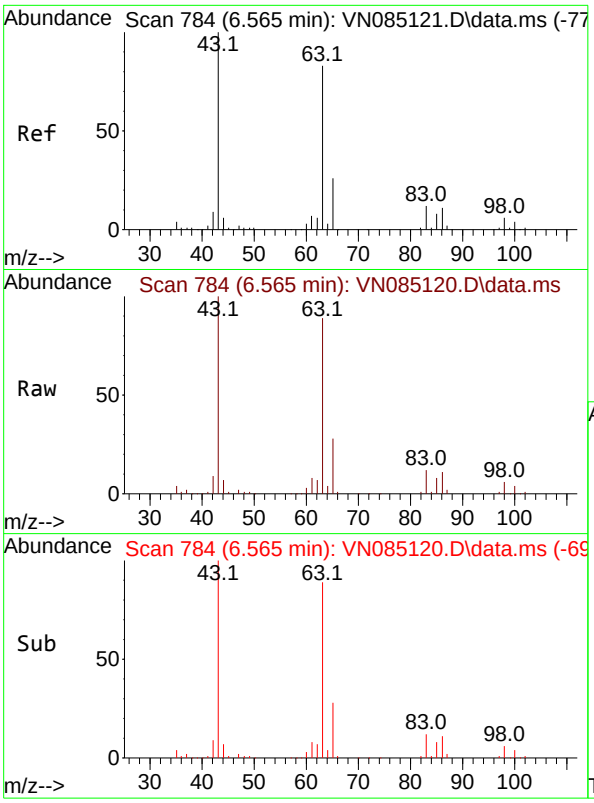


#20
Diisopropyl ether
Concen: 107.259 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 45 Resp: 621282

Ion	Ratio	Lower	Upper
45	100		
43	51.6	41.9	62.9
87	29.9	24.1	36.1
59	12.3	10.0	15.0



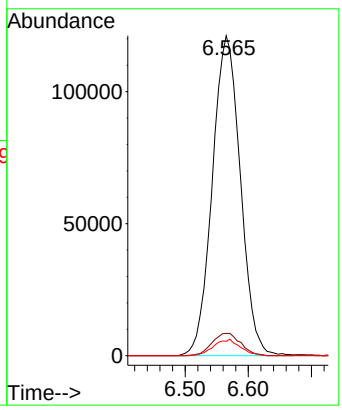


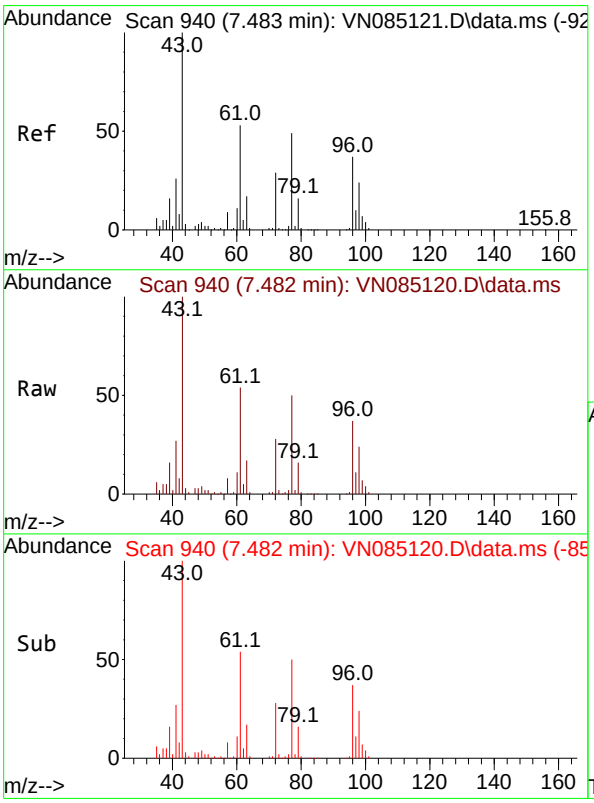
#21
1,1-Dichloroethane
Concen: 104.639 ug/l
RT: 6.565 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 374090

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.4
100	4.5	1.6	4.8

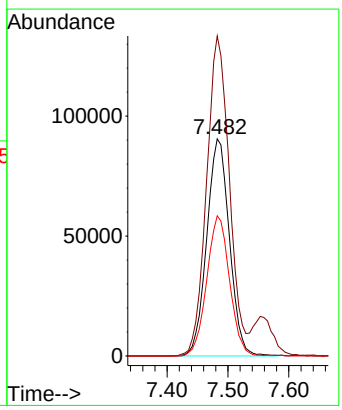


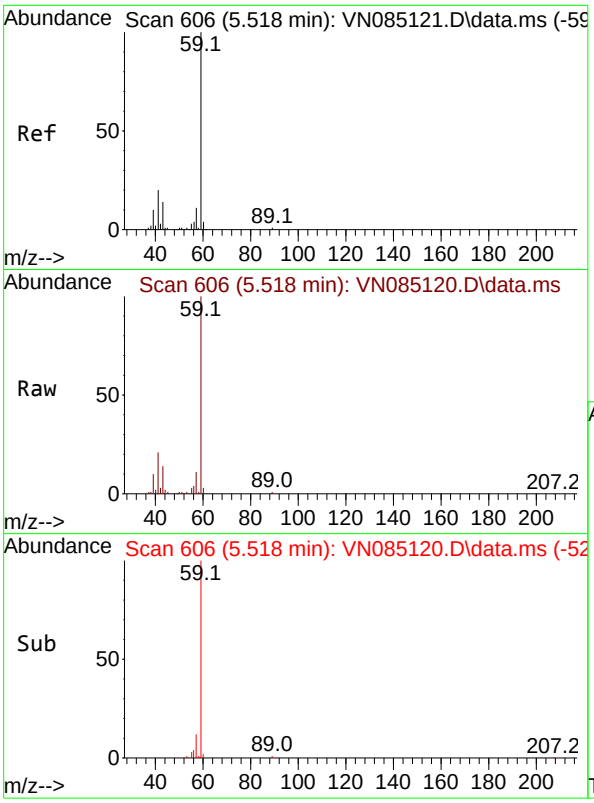


#22
cis-1,2-Dichloroethene
Concen: 106.277 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 96 Resp: 234199

Ion	Ratio	Lower	Upper
96	100		
61	147.4	115.9	173.9
98	64.7	51.8	77.8



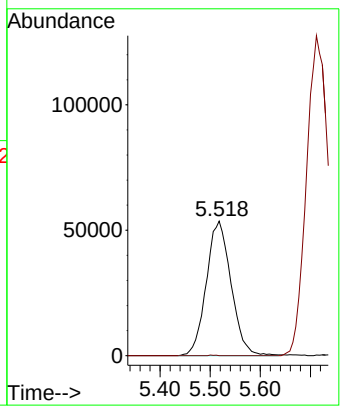


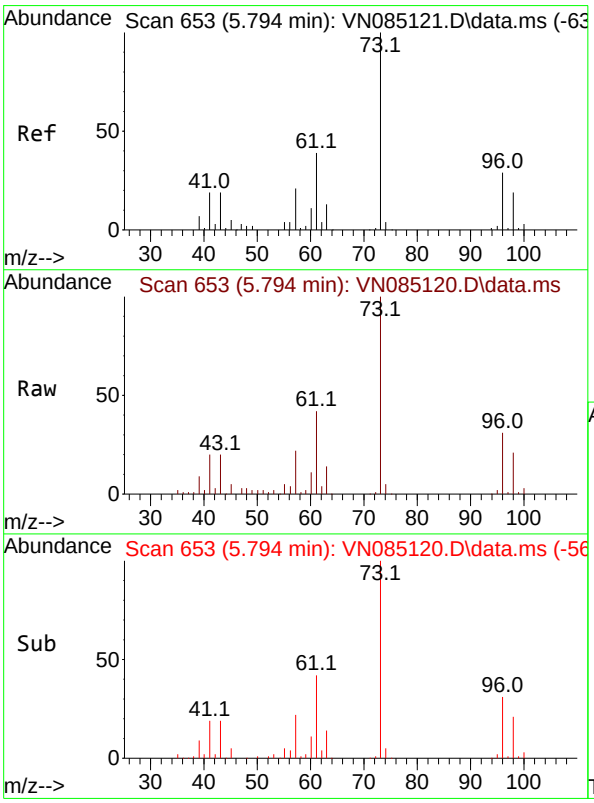
#23
tert-Butyl Alcohol
Concen: 568.118 ug/l
RT: 5.518 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 184150

Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.0	0.0#

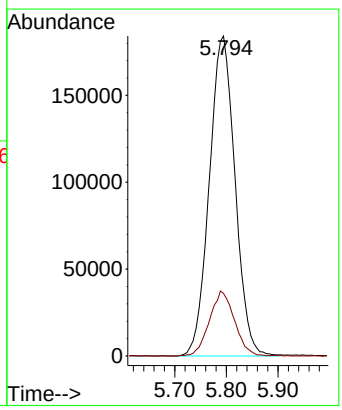


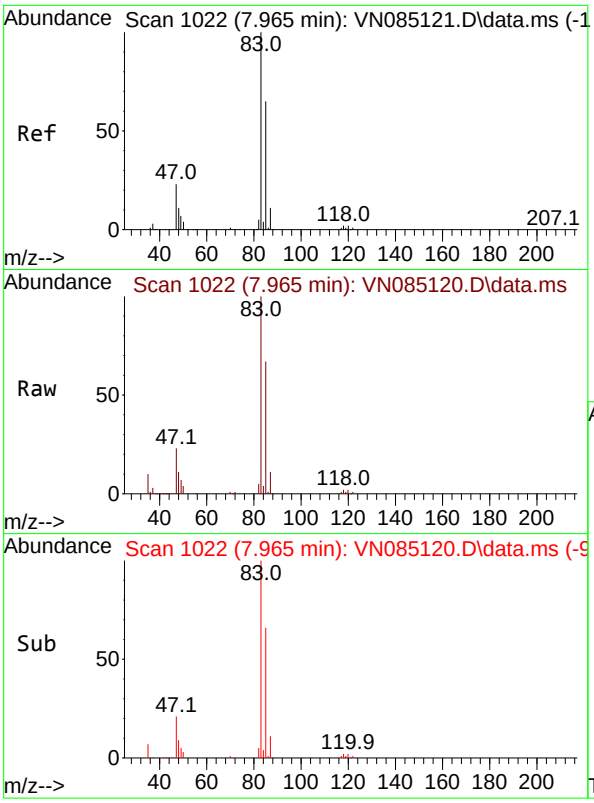


#24
Methyl tert-Butyl Ether
Concen: 110.650 ug/l
RT: 5.794 min Scan# 653
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 73 Resp: 637140

Ion	Ratio	Lower	Upper
73	100		
43	19.7	8.7	13.1#



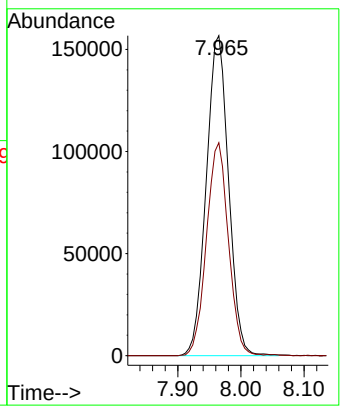


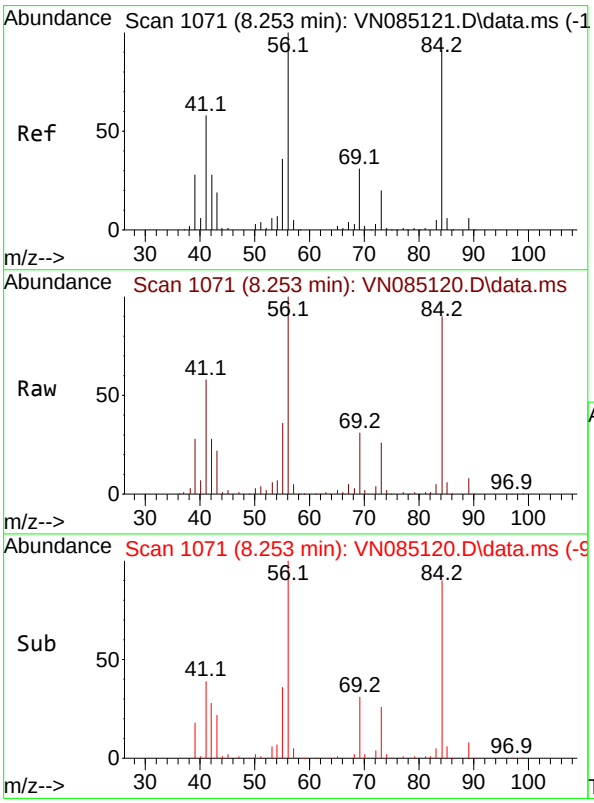
#25
Chloroform
Concen: 102.776 ug/l
RT: 7.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 384926

Ion	Ratio	Lower	Upper
83	100		
85	66.6	49.4	74.0

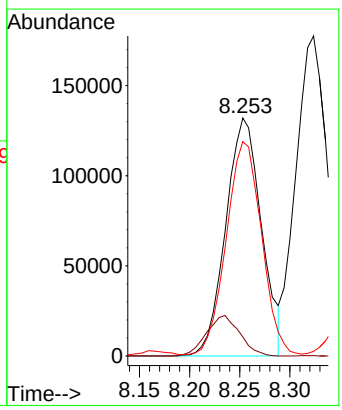


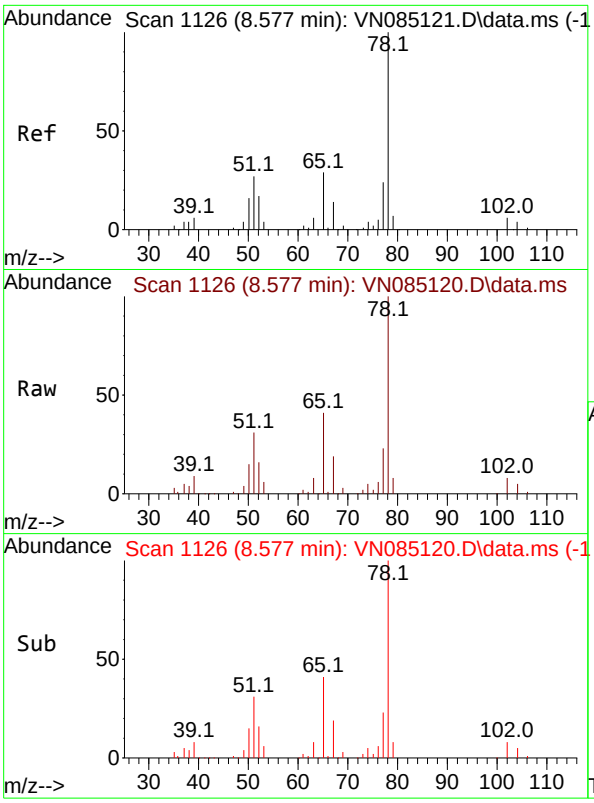


#26
Cyclohexane
Concen: 111.090 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 56 Resp: 327008

Ion	Ratio	Lower	Upper
56	100		
89	15.9	19.5	29.3#
84	89.7	70.6	105.8



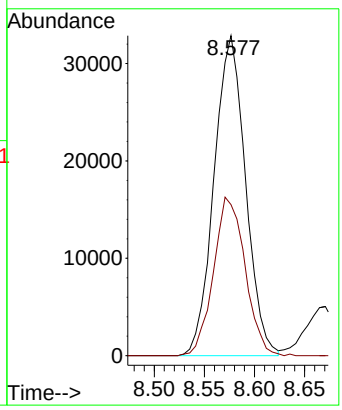


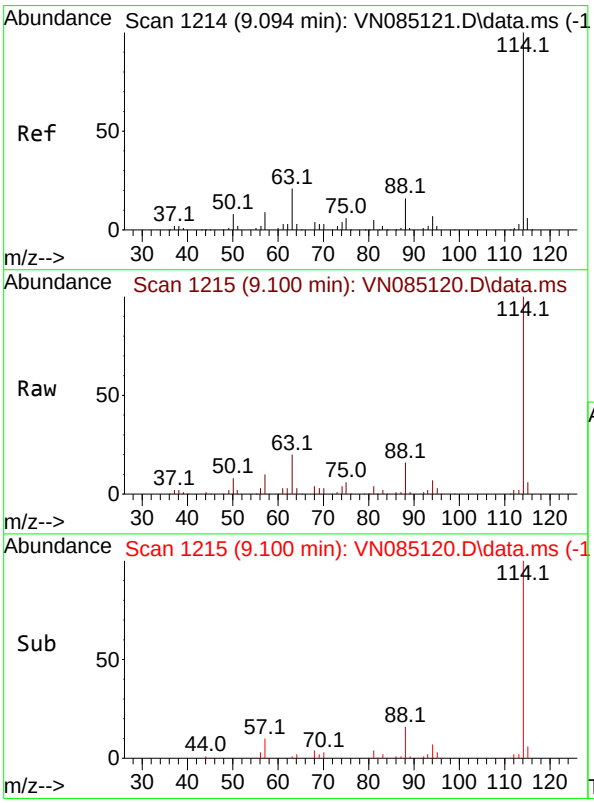
#27
1,2-Dichloroethane-d4
Concen: 29.873 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 71793

Ion	Ratio	Lower	Upper
65	100		
67	49.6	39.9	59.9

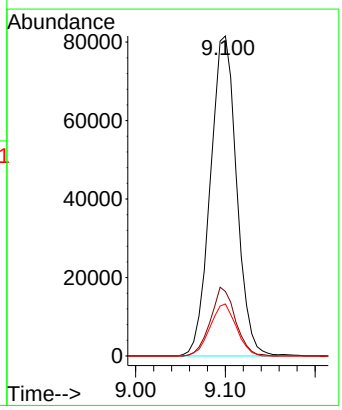


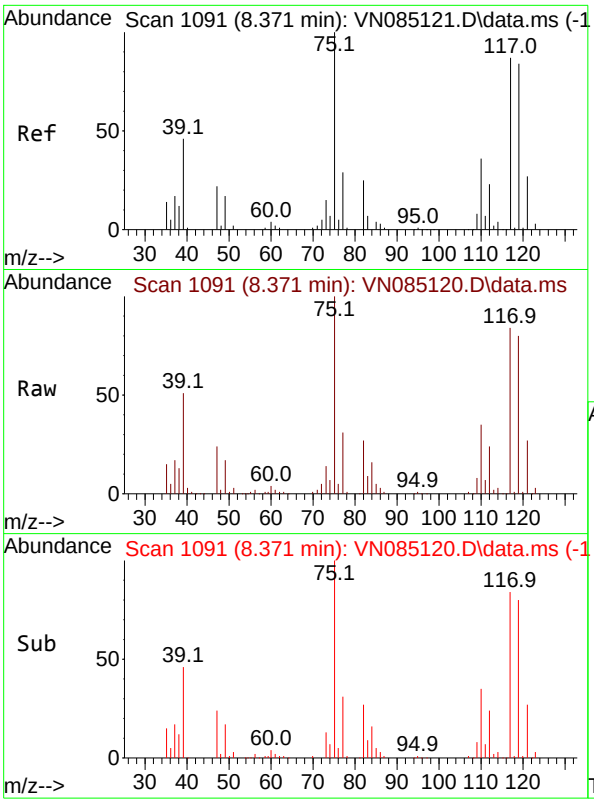


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:114 Resp: 165873

Ion	Ratio	Lower	Upper
114	100		
63	20.4	16.2	24.2
88	16.2	12.5	18.7



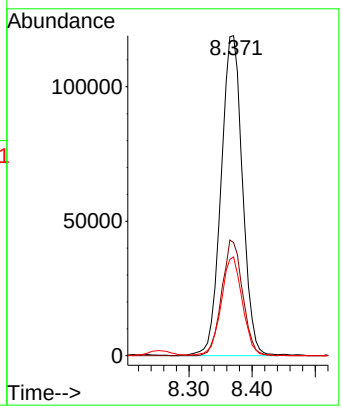


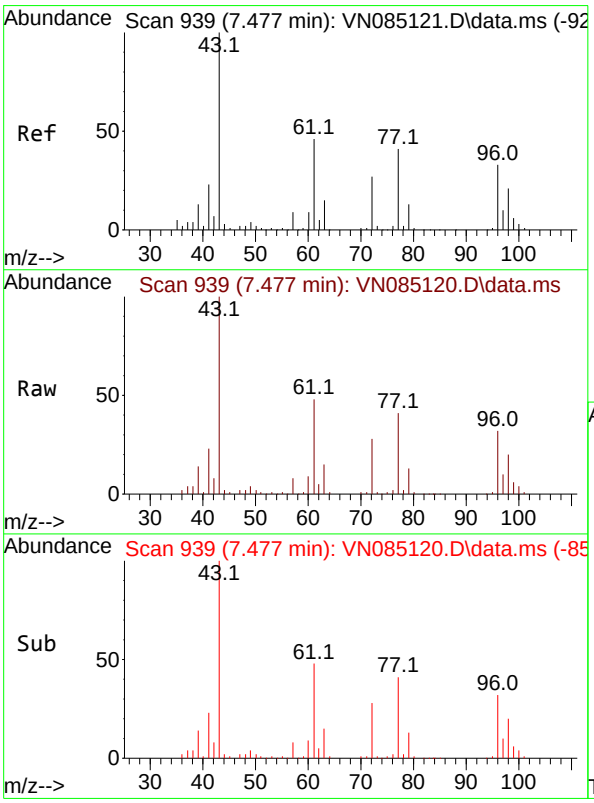
#29
1,1-Dichloropropene
Concen: 104.562 ug/l
RT: 8.371 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 279872

Ion	Ratio	Lower	Upper
75	100		
110	35.1	0.0	71.6
77	30.7	0.0	62.2

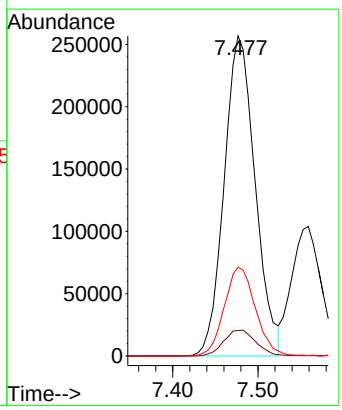


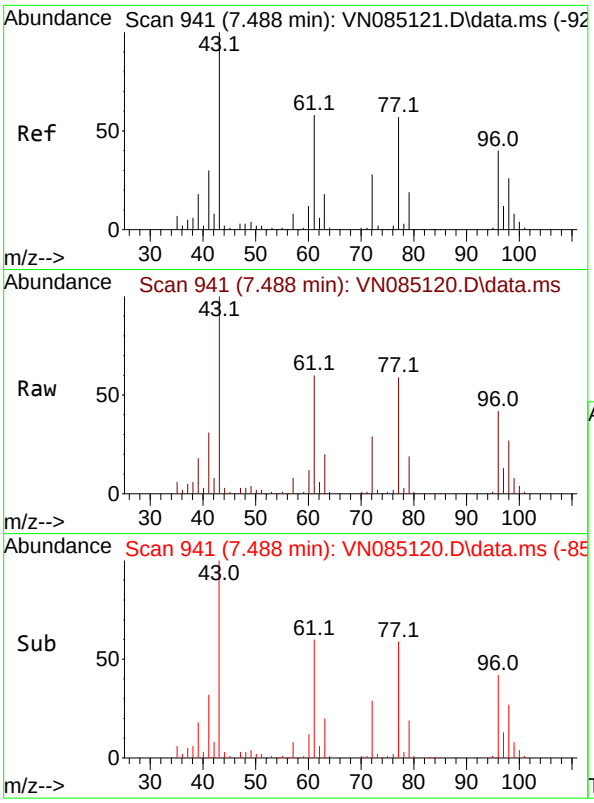


#30
2-Butanone
Concen: 528.323 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 43 Resp: 648934

Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.9	10.3
72	27.9	21.8	32.8



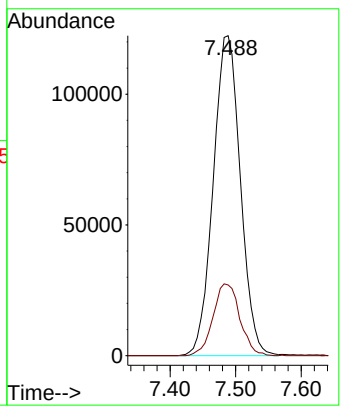


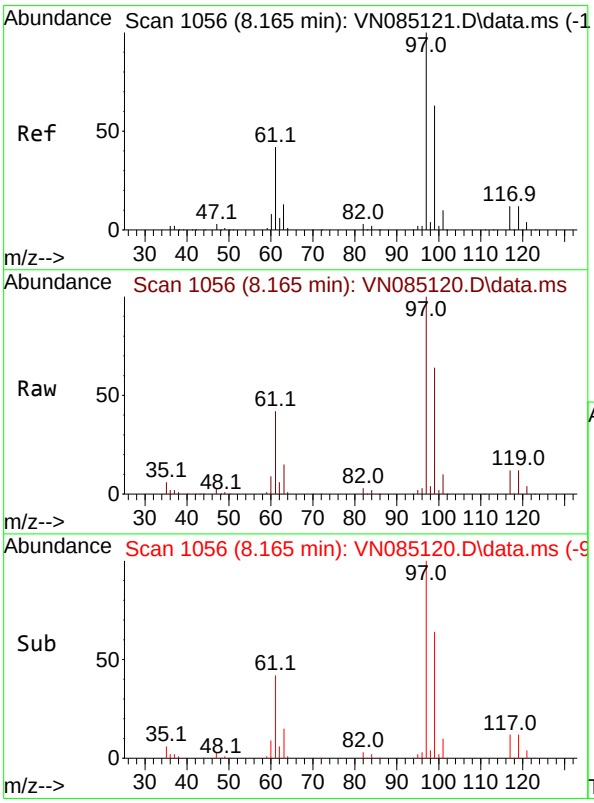
#31
2,2-Dichloropropane
Concen: 102.508 ug/l
RT: 7.488 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 77 Resp: 351838

Ion	Ratio	Lower	Upper
77	100		
97	22.1	0.0	0.0#

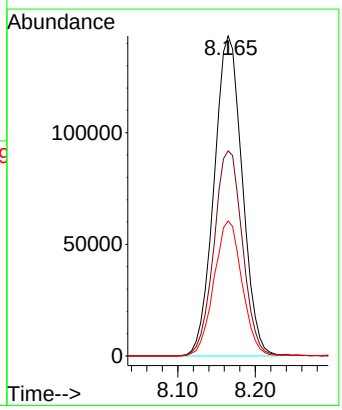


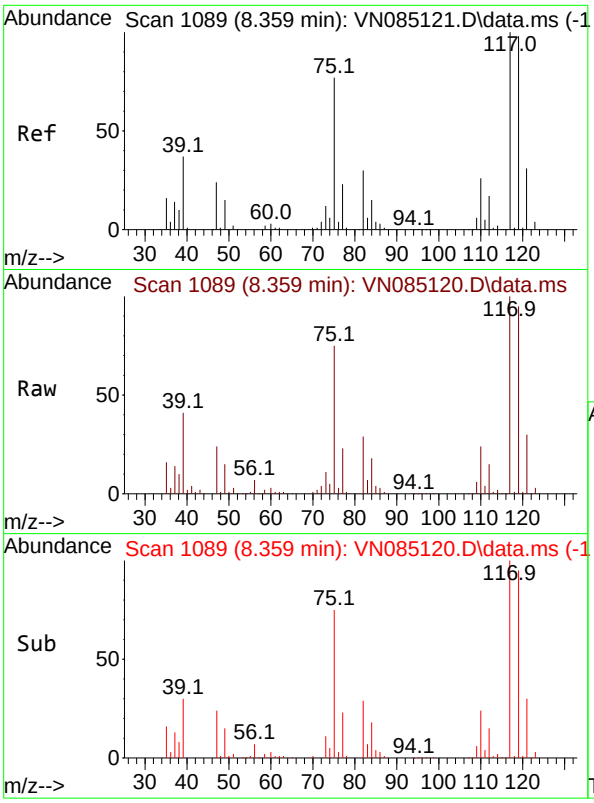


#32
1,1,1-Trichloroethane
Concen: 100.216 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 97 Resp: 363069

Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.8	76.2
61	42.1	32.7	49.1



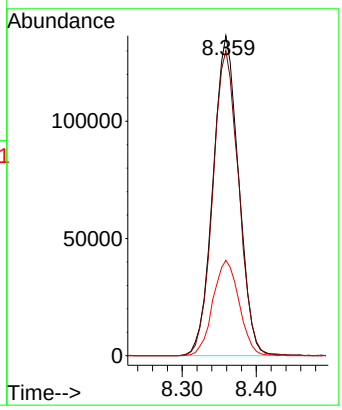


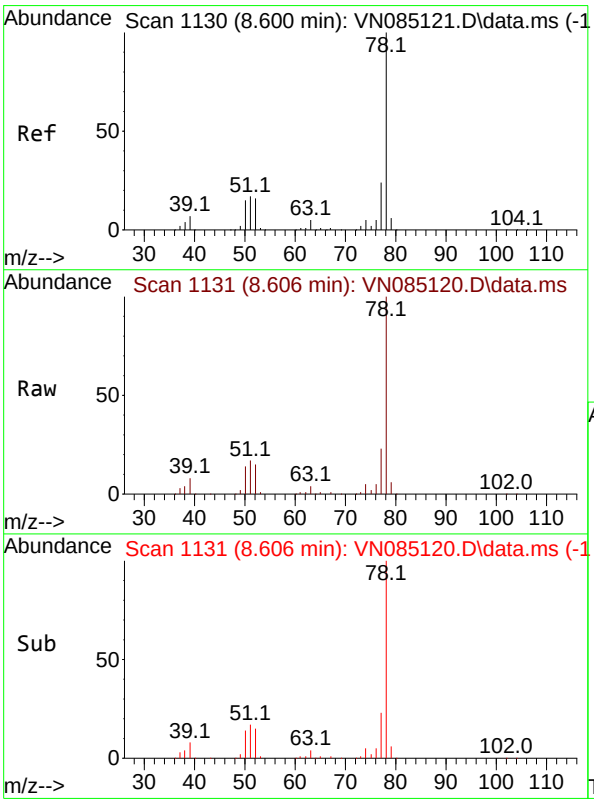
#33
Carbon Tetrachloride
Concen: 100.027 ug/l
RT: 8.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 327001

Ion	Ratio	Lower	Upper
117	100		
119	95.3	81.6	122.4
121	29.8	26.5	39.7

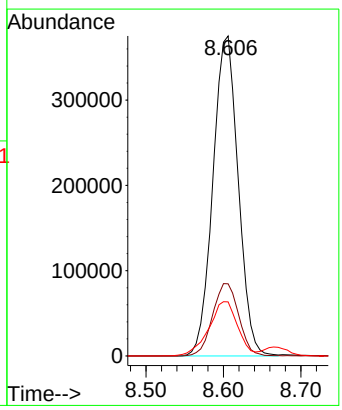


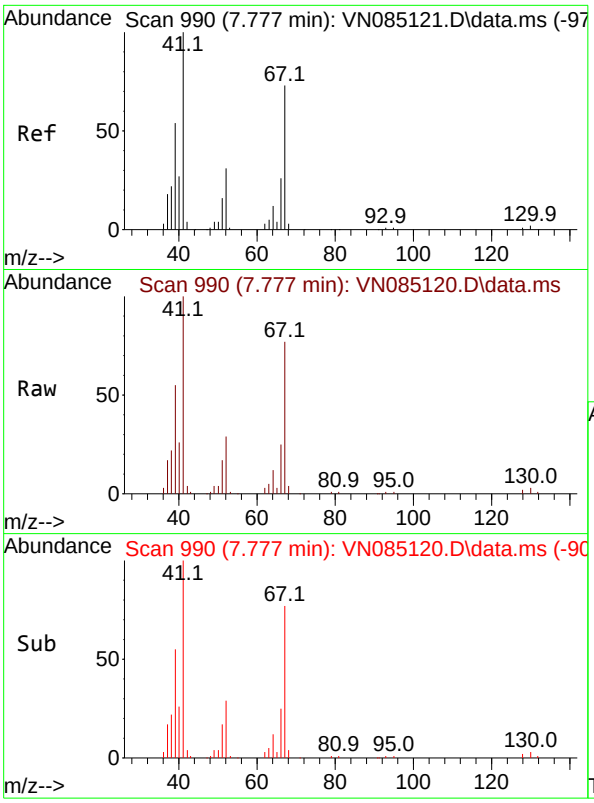


#34
Benzene
Concen: 101.479 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 78 Resp: 853279

Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.0	27.0
51	16.7	12.4	18.6



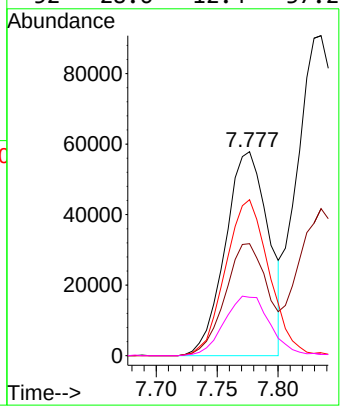


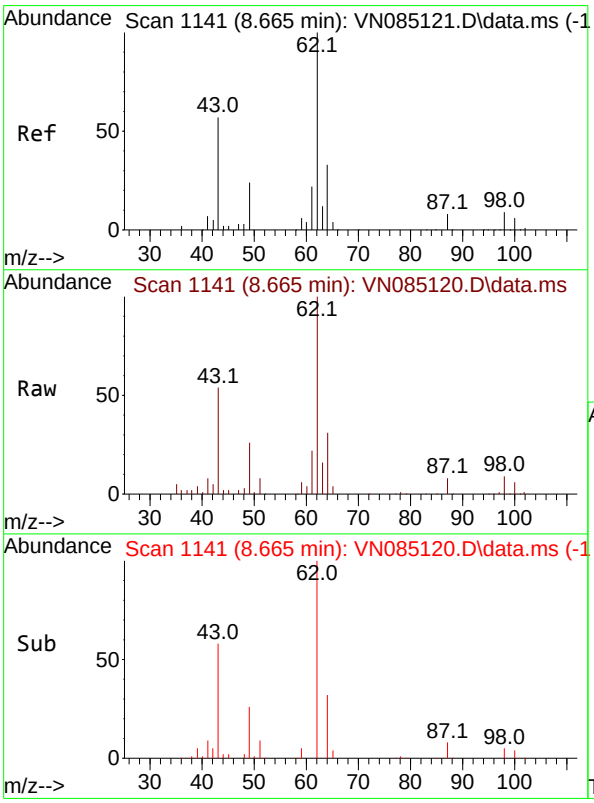
#35
Methacrylonitrile
Concen: 103.194 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 142639

Ion	Ratio	Lower	Upper
41	100		
39	54.9	24.4	73.2
67	76.5	37.0	110.9
52	28.6	12.4	37.2

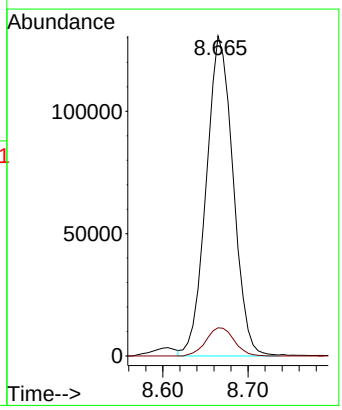


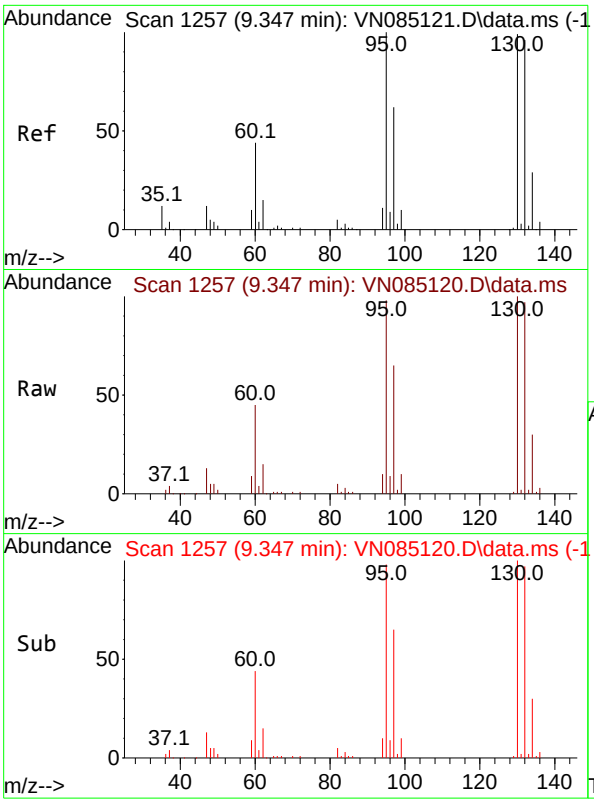


#36
1,2-Dichloroethane
Concen: 100.087 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 62 Resp: 286487

Ion	Ratio	Lower	Upper
62	100		
98	9.2	7.3	10.9



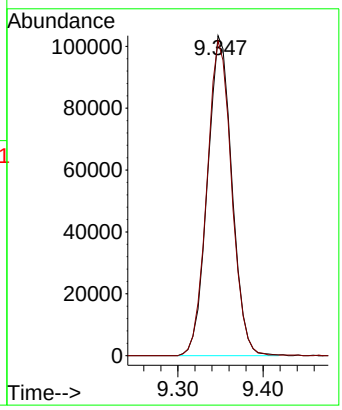


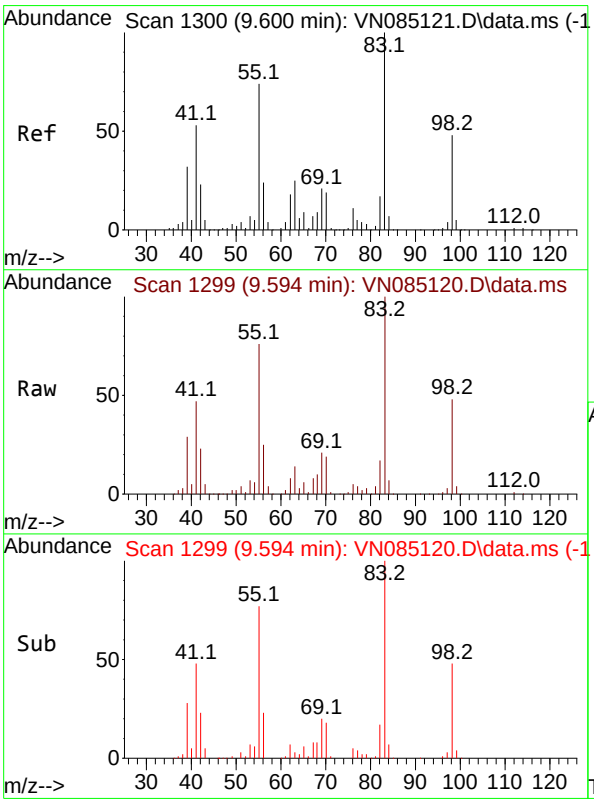
#37
Trichloroethene
Concen: 103.077 ug/l
RT: 9.347 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:130 Resp: 206395

Ion	Ratio	Lower	Upper
130	100		
95	98.3	76.2	114.4

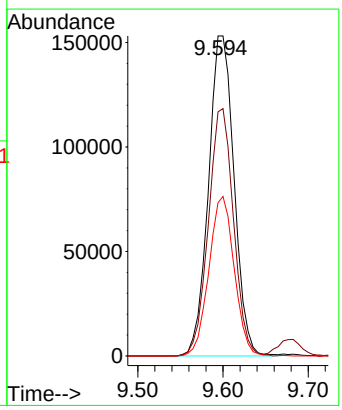


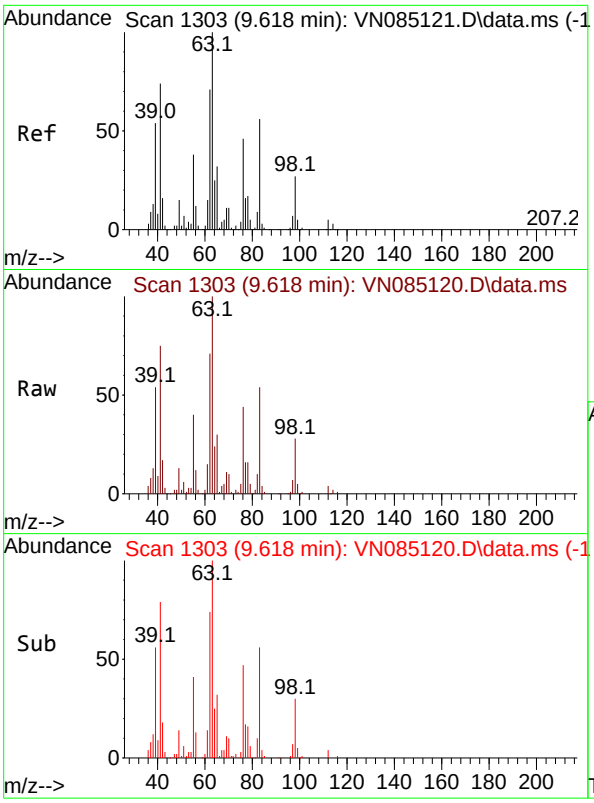


#38
Methylcyclohexane
Concen: 110.090 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 83 Resp: 320395

Ion	Ratio	Lower	Upper
83	100		
55	75.8	41.4	124.4
98	49.2	25.7	77.1



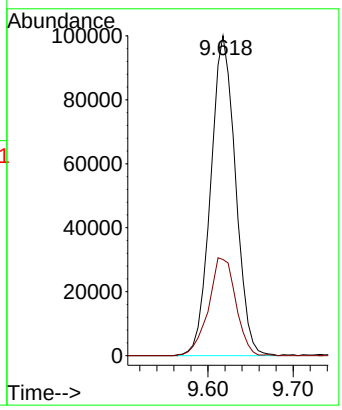


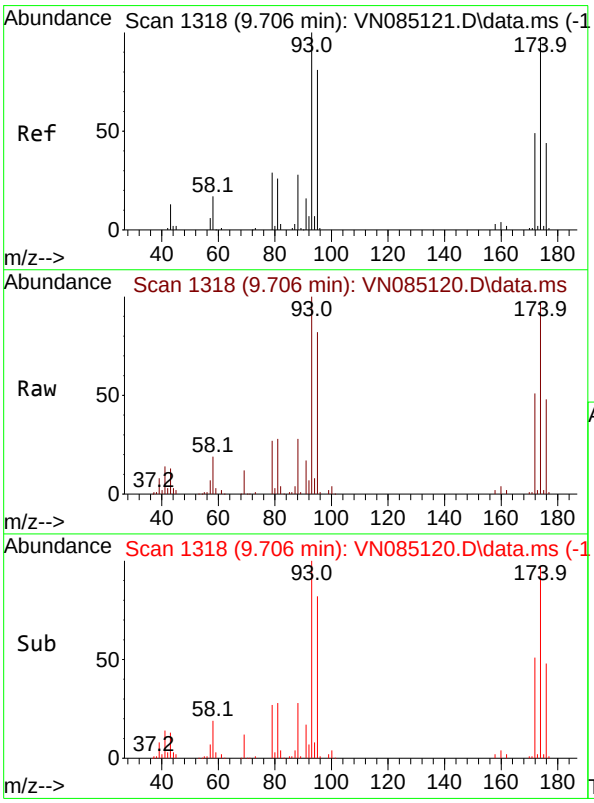
#39
1,2-Dichloropropane
Concen: 99.263 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 202160

Ion	Ratio	Lower	Upper
63	100		
65	30.0	23.4	35.0

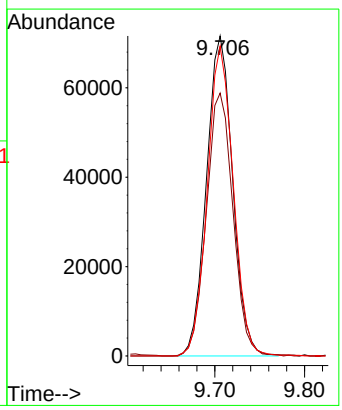


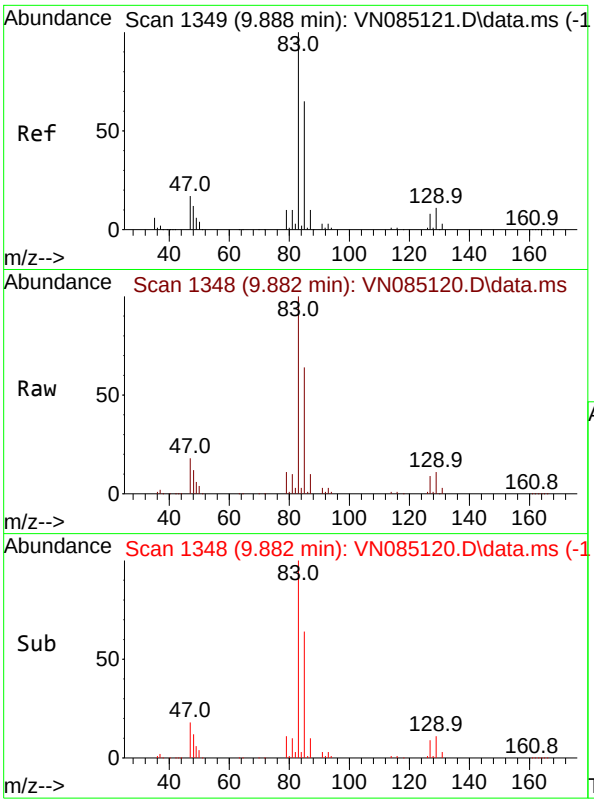


#40
Dibromomethane
Concen: 99.515 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 93 Resp: 145378

Ion	Ratio	Lower	Upper
93	100		
95	83.7	0.0	169.4
174	95.7	0.0	189.8



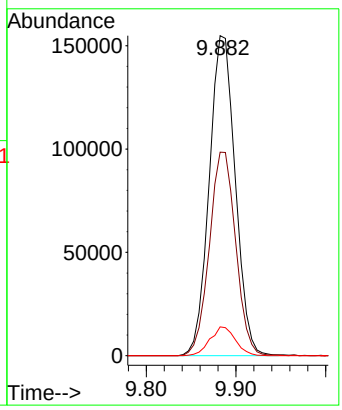


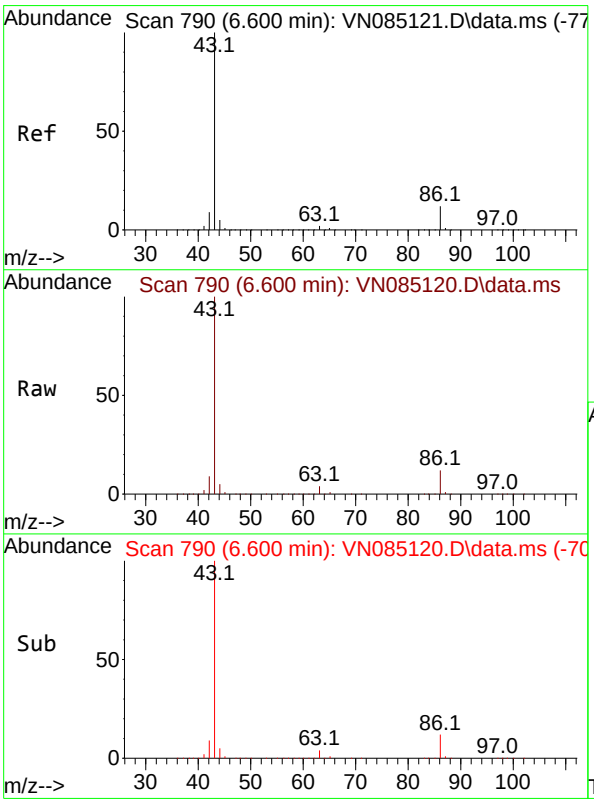
#41
Bromodichloromethane
Concen: 100.007 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 312321

Ion	Ratio	Lower	Upper
83	100		
85	63.6	54.6	81.8
127	9.0	7.0	10.6

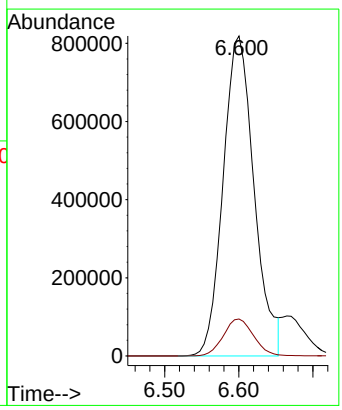


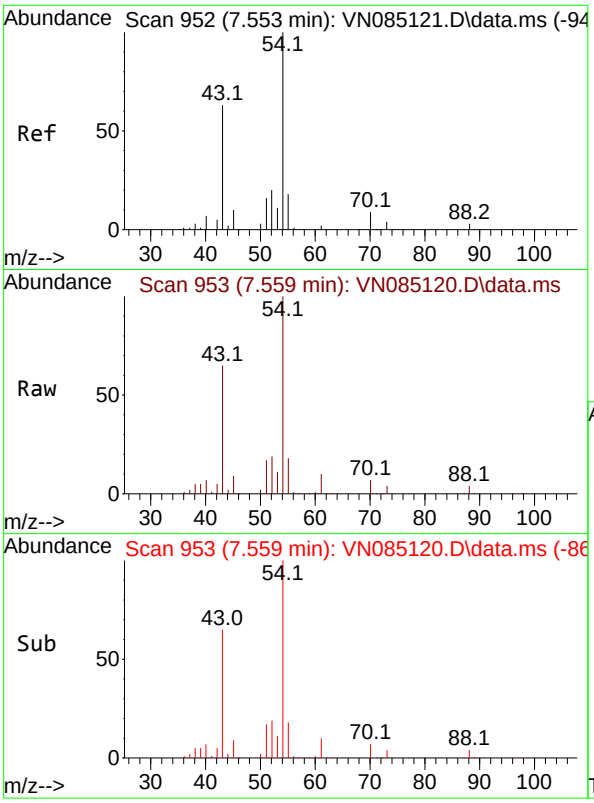


#42
Vinyl Acetate
Concen: 553.721 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 43 Resp: 2379940

Ion	Ratio	Lower	Upper
43	100		
86	11.3	9.2	13.8



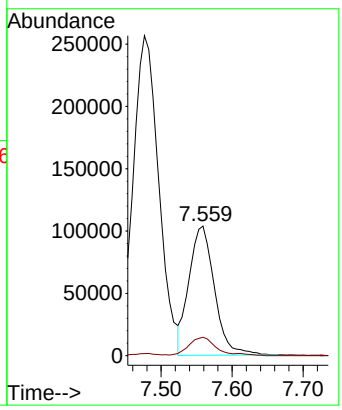


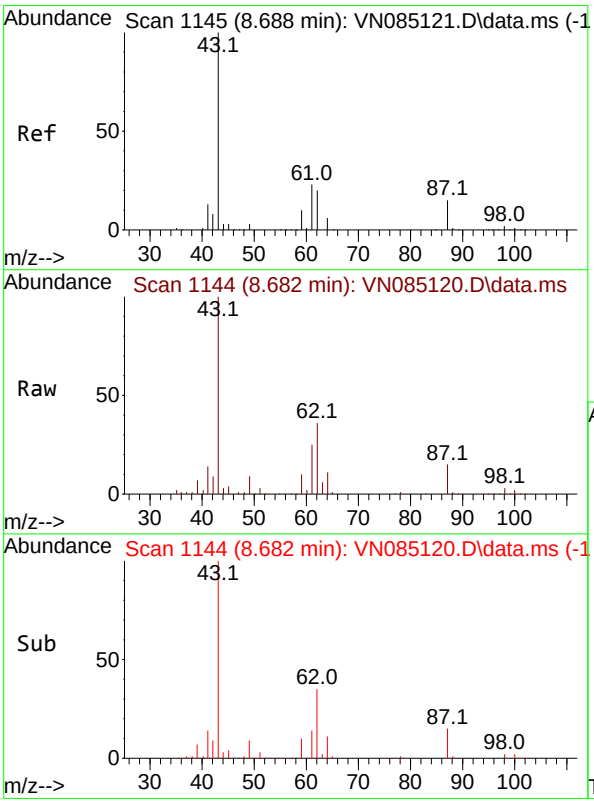
#43
Ethyl Acetate
Concen: 105.766 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 258485

Ion	Ratio	Lower	Upper
43	100		
45	14.5	13.3	19.9

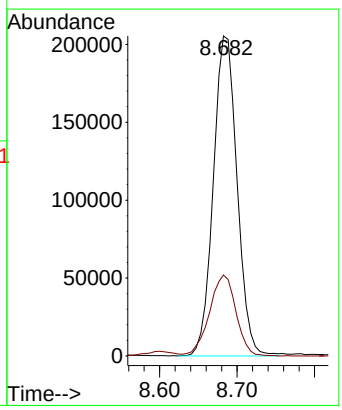


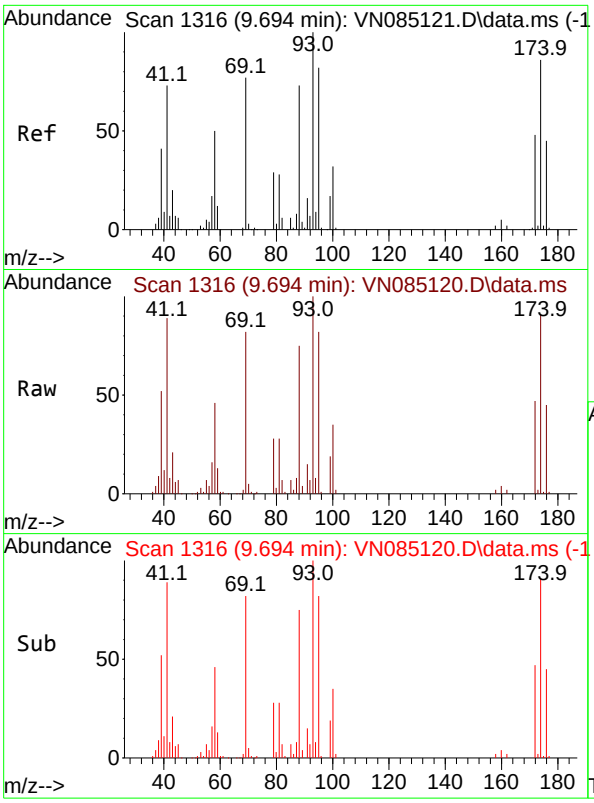


#44
Isopropyl Acetate
Concen: 103.239 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 43 Resp: 438465

Ion	Ratio	Lower	Upper
43	100		
61	28.2	21.5	32.3



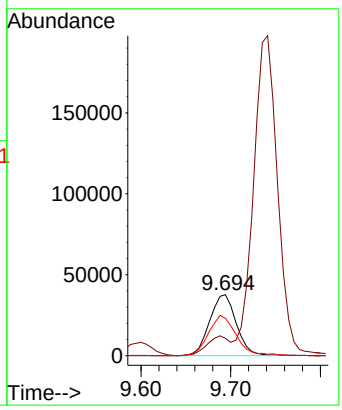


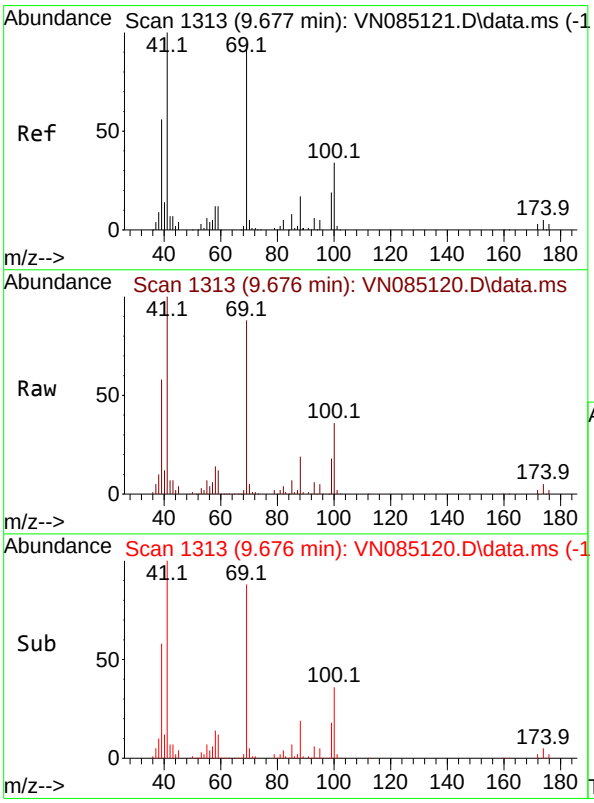
#45
1,4-Dioxane
Concen: 2192.363 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 77646

Ion	Ratio	Lower	Upper
88	100		
43	27.5	21.7	32.5
58	68.9	52.6	79.0

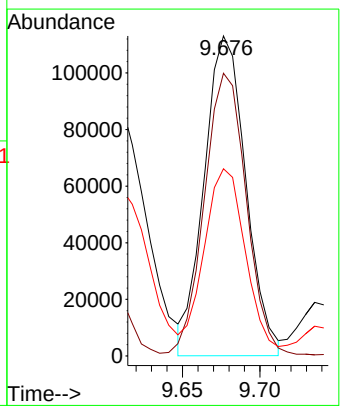


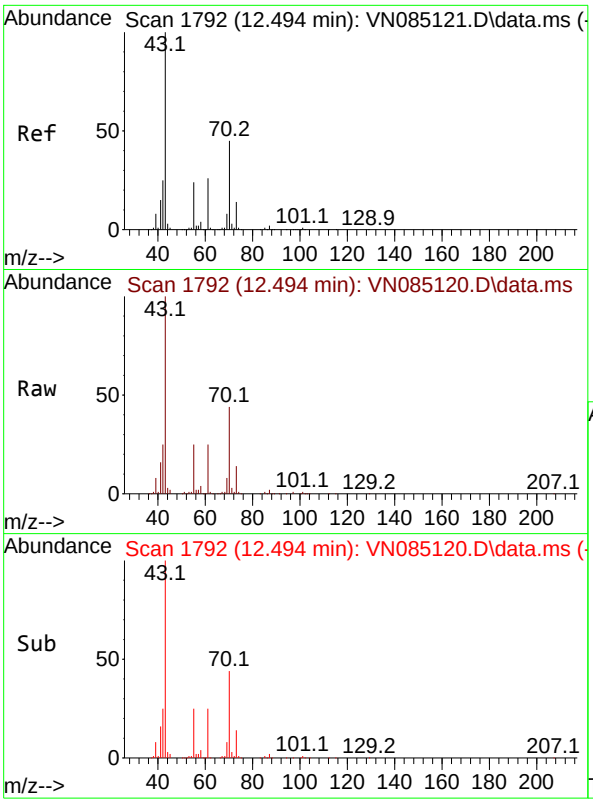


#46
Methyl methacrylate
Concen: 108.543 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 41 Resp: 210976

Ion	Ratio	Lower	Upper
41	100		
69	90.2	46.7	140.0
39	58.4	28.5	85.5



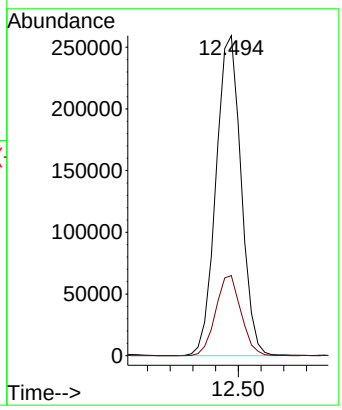


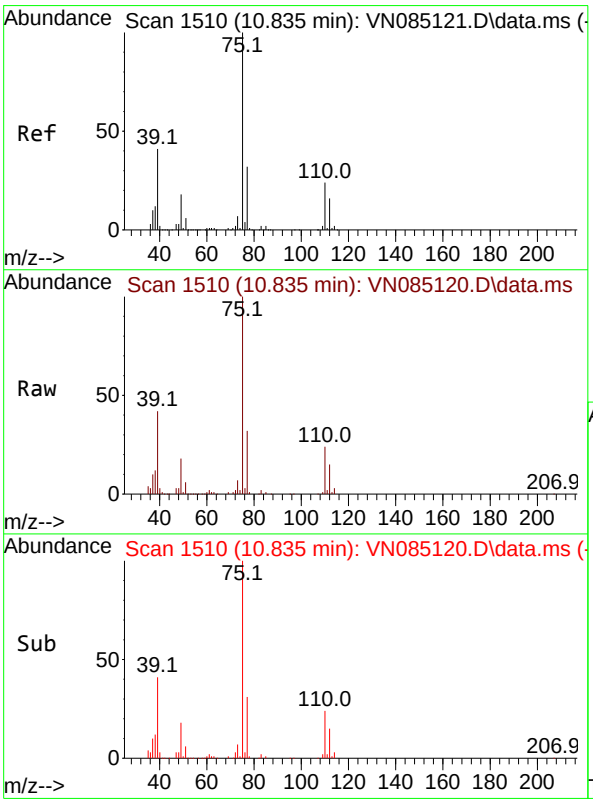
#47
n-amyl Acetate
Concen: 111.404 ug/l
RT: 12.494 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 398085

Ion	Ratio	Lower	Upper
43	100		
55	25.3	23.3	34.9

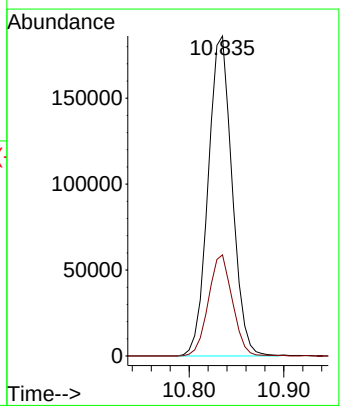


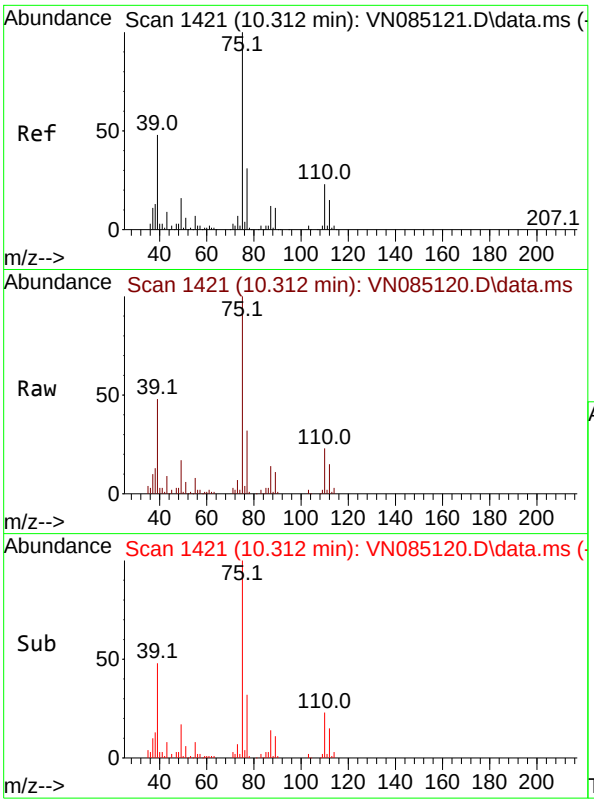


#48
t-1,3-Dichloropropene
Concen: 106.805 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 75 Resp: 327429

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.5	38.3



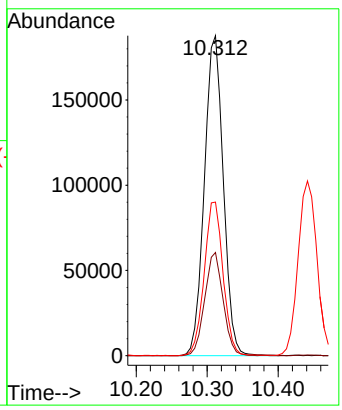


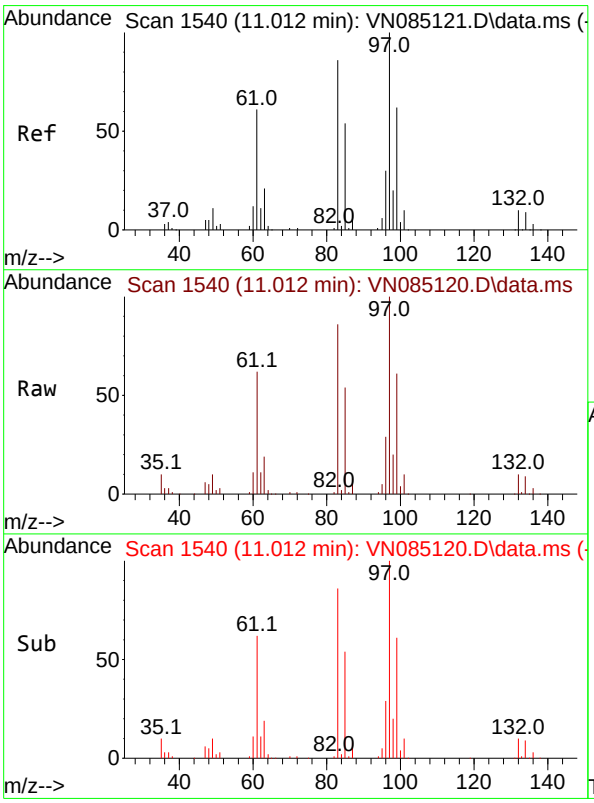
#49
cis-1,3-Dichloropropene
Concen: 104.212 ug/l
RT: 10.312 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 347791

Ion	Ratio	Lower	Upper
75	100		
77	32.2	23.8	35.6
39	48.0	37.3	55.9

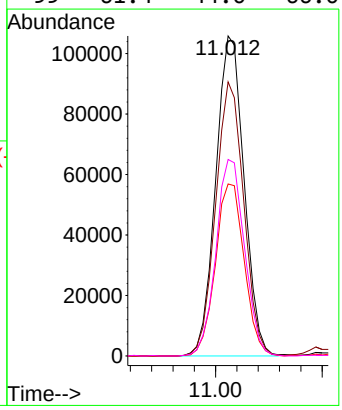


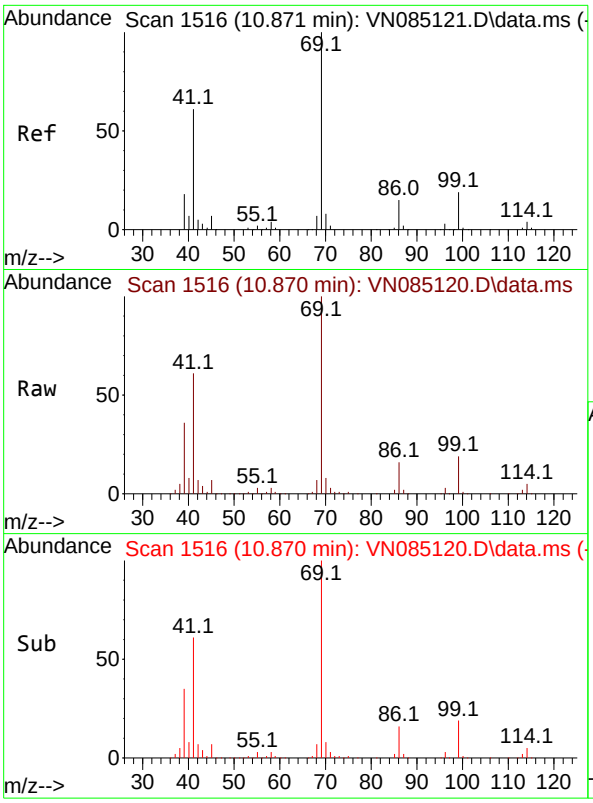


#50
1,1,2-Trichloroethane
Concen: 99.153 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 97 Resp: 195188

Ion	Ratio	Lower	Upper
97	100		
83	85.6	65.8	98.8
85	53.8	40.8	61.2
99	61.4	44.0	66.0



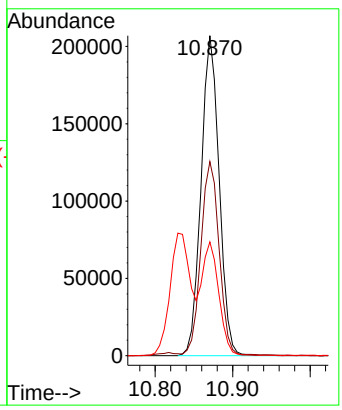


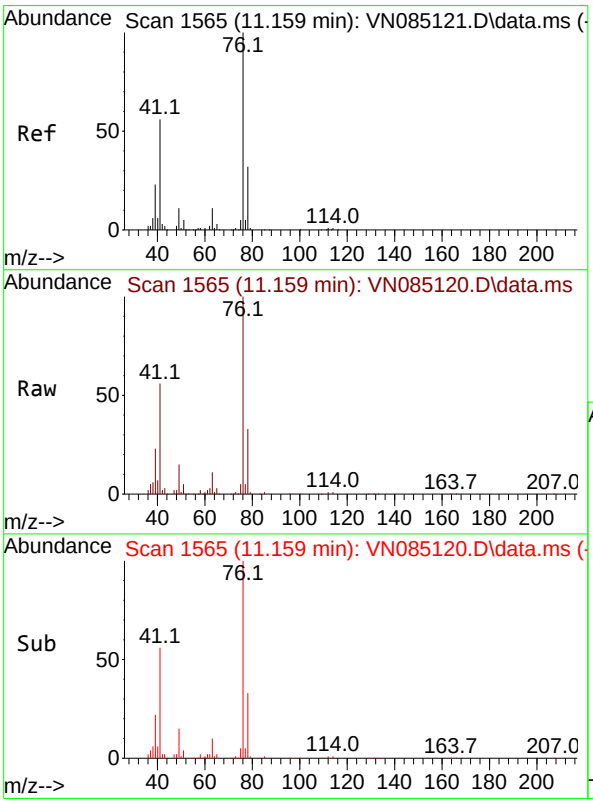
#51
Ethyl methacrylate
Concen: 112.054 ug/l
RT: 10.870 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 69 Resp: 335501

Ion	Ratio	Lower	Upper
69	100		
41	60.5	32.1	96.3
39	35.4	18.8	56.4

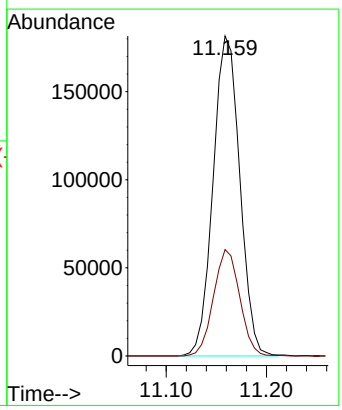


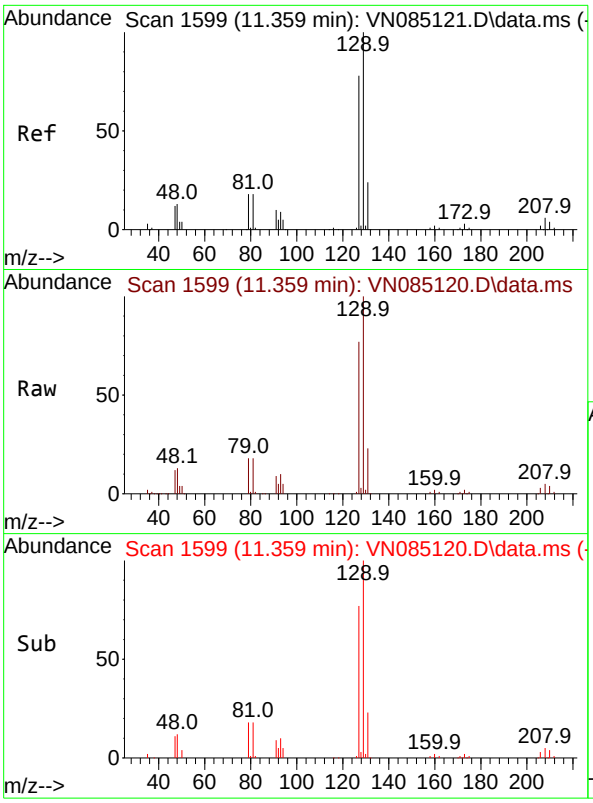


#52
1,3-Dichloropropane
Concen: 101.938 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 76 Resp: 335834

Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	65.6



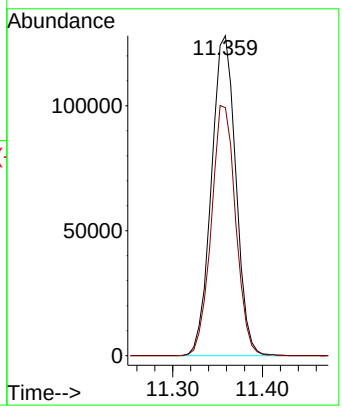


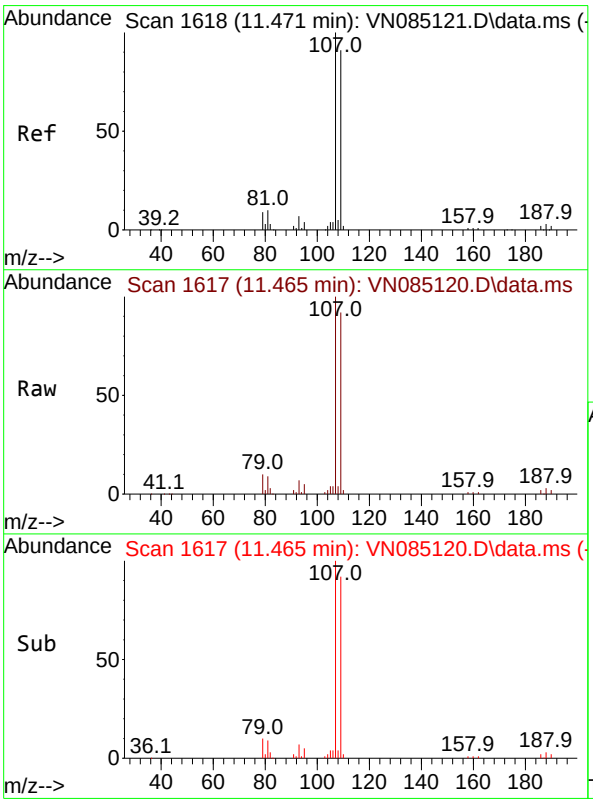
#53
Dibromochloromethane
Concen: 100.988 ug/l
RT: 11.359 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:129 Resp: 242265

Ion	Ratio	Lower	Upper
129	100		
127	77.7	37.3	111.9

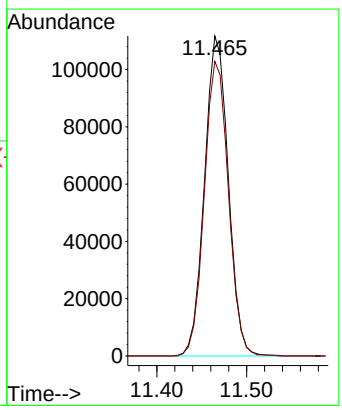


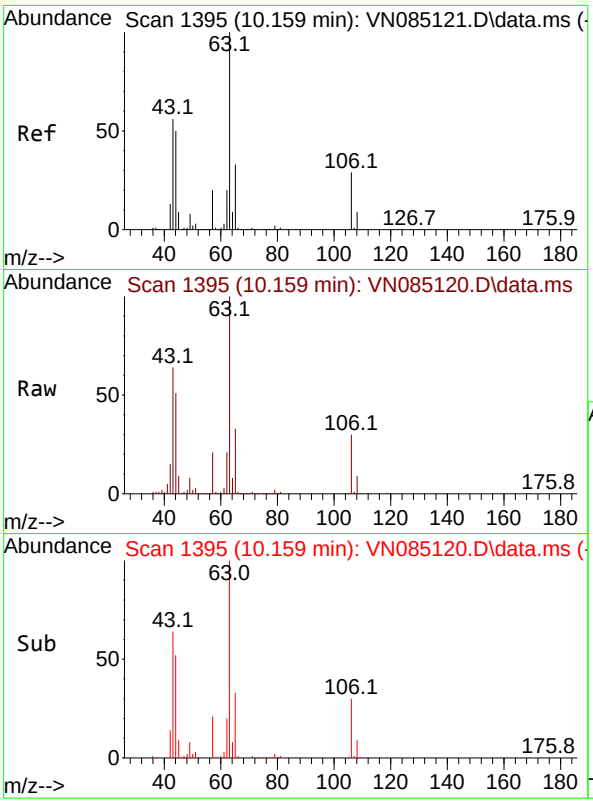


#54
1,2-Dibromoethane
Concen: 103.531 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:107 Resp: 205342

Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.2	112.8



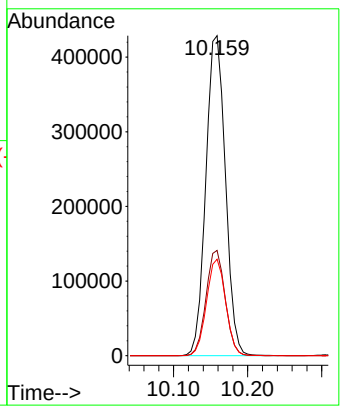


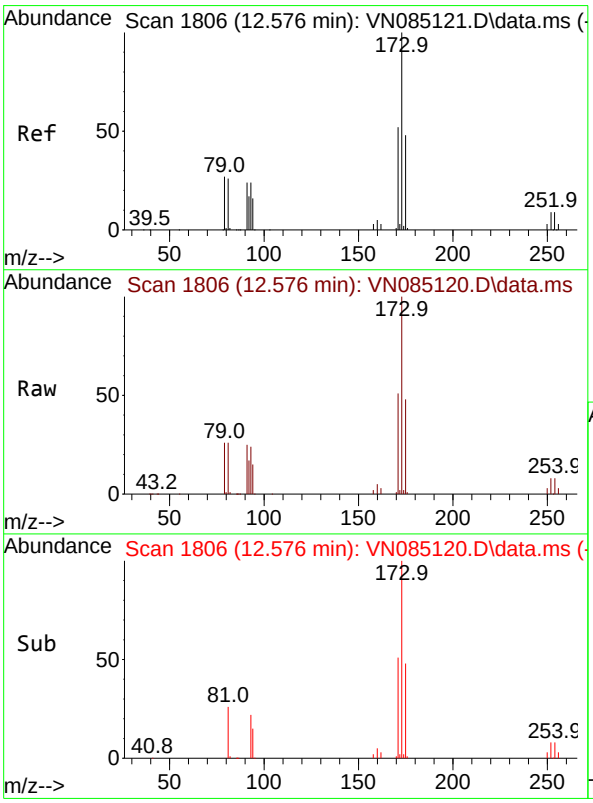
#55
2-Chloroethyl vinyl ether
Concen: 564.533 ug/l
RT: 10.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 785193

Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.9	38.9
106	29.6	23.5	35.3

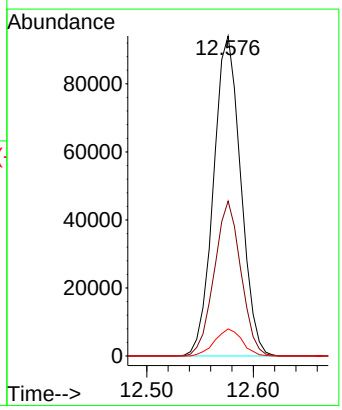


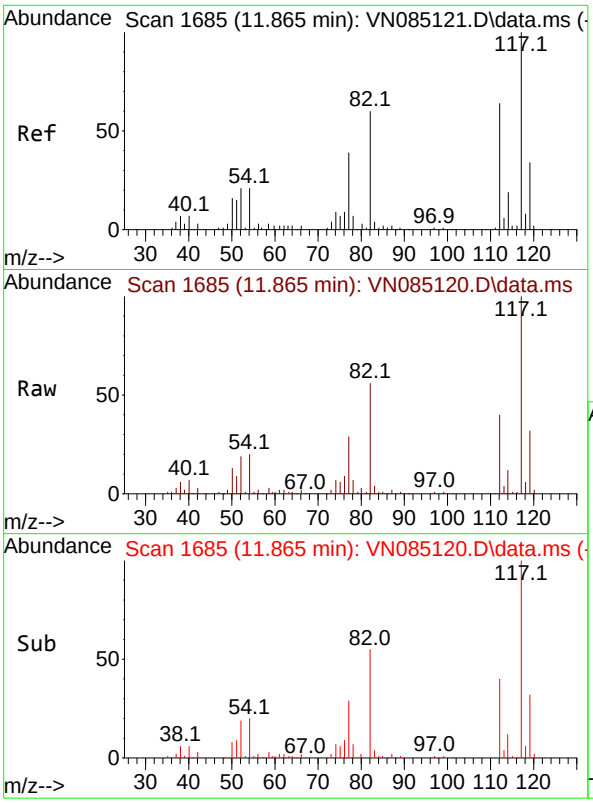


#56
Bromoform
Concen: 103.616 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:173 Resp: 166661

Ion	Ratio	Lower	Upper
173	100		
175	47.4	40.2	60.2
254	8.5	6.2	9.4



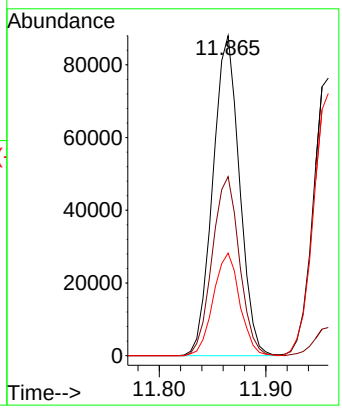


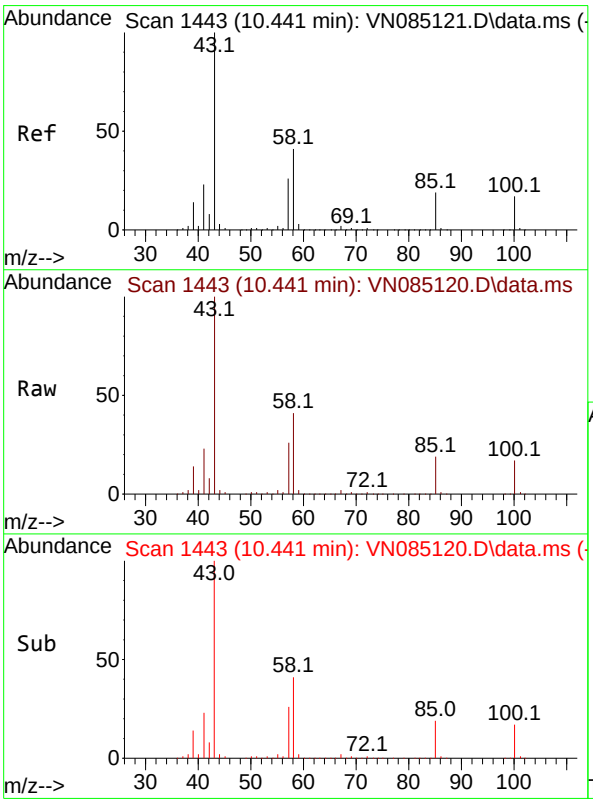
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 153060

Ion	Ratio	Lower	Upper
117	100		
82	57.1	44.2	66.4
119	31.7	25.4	38.2

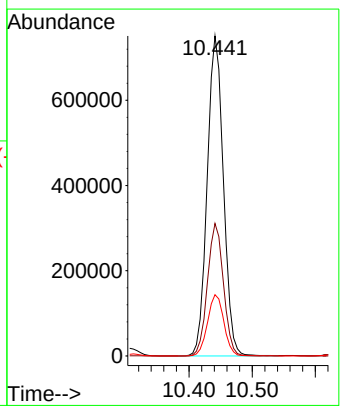


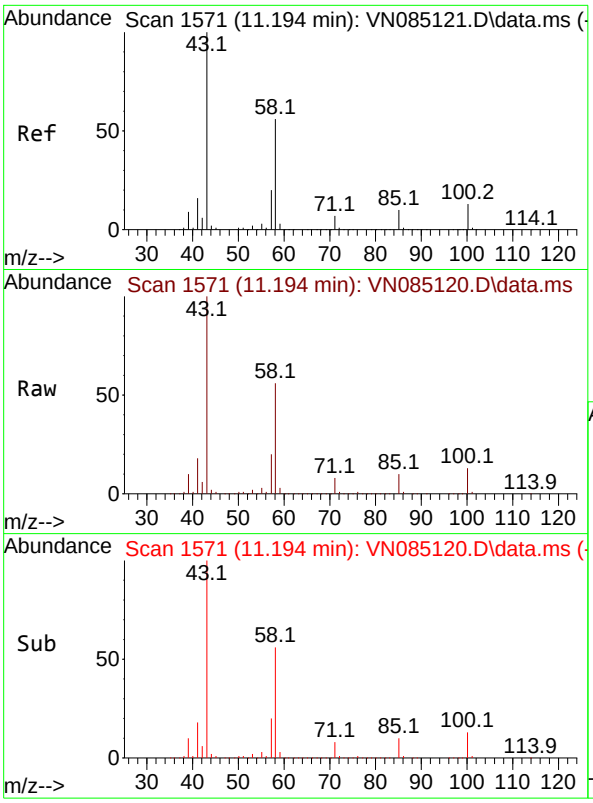


#58
4-Methyl-2-Pentanone
Concen: 535.524 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 43 Resp: 1337734

Ion	Ratio	Lower	Upper
43	100		
58	40.9	31.6	47.4
85	19.3	15.0	22.6



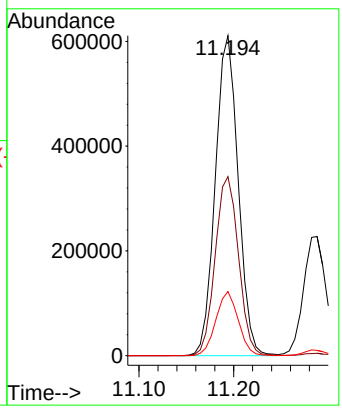


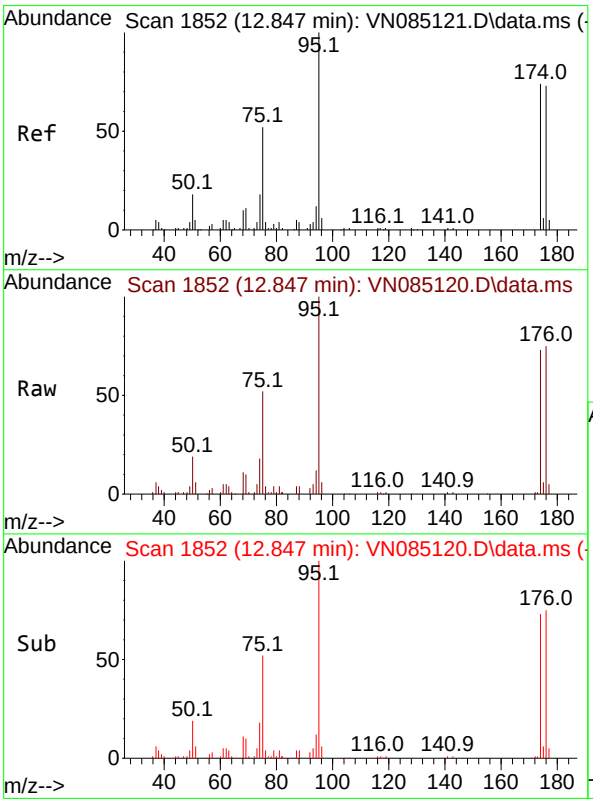
#59
2-Hexanone
Concen: 542.184 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1026218

Ion	Ratio	Lower	Upper
43	100		
58	57.0	43.6	65.4
57	19.7	15.4	23.0

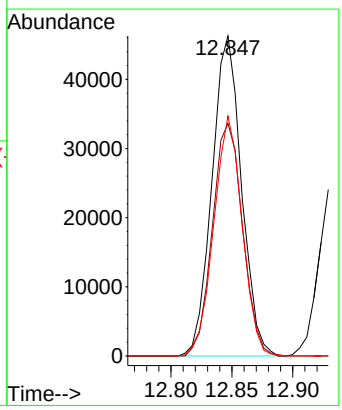


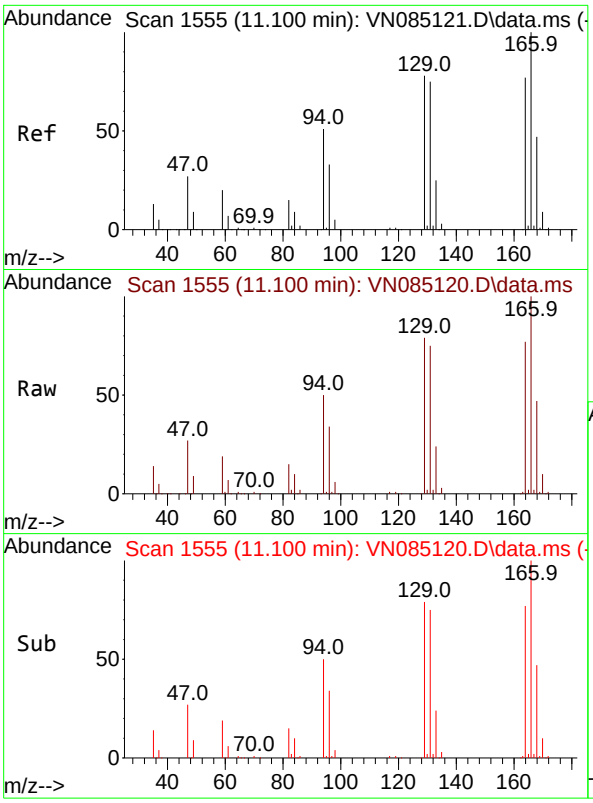


#60
4-Bromofluorobenzene
Concen: 30.768 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 95 Resp: 77922

Ion	Ratio	Lower	Upper
95	100		
174	74.3	60.3	90.5
176	72.3	57.4	86.0



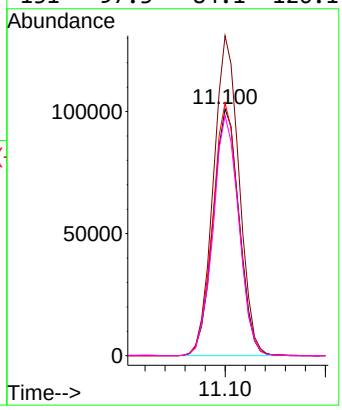


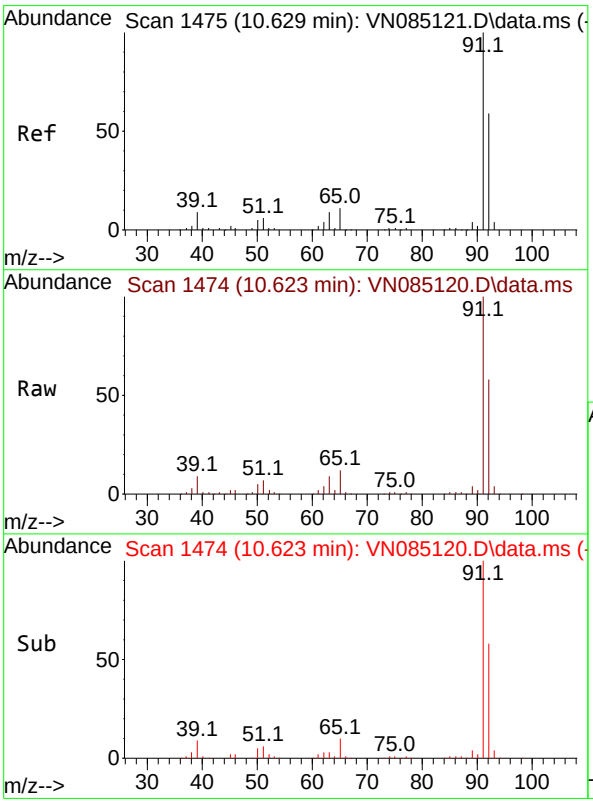
#61
Tetrachloroethene
Concen: 98.693 ug/l
RT: 11.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:164 Resp: 182933

Ion	Ratio	Lower	Upper
164	100		
166	129.7	103.8	155.8
129	102.4	84.2	126.4
131	97.3	84.1	126.1

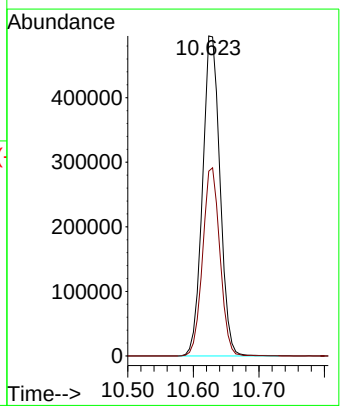


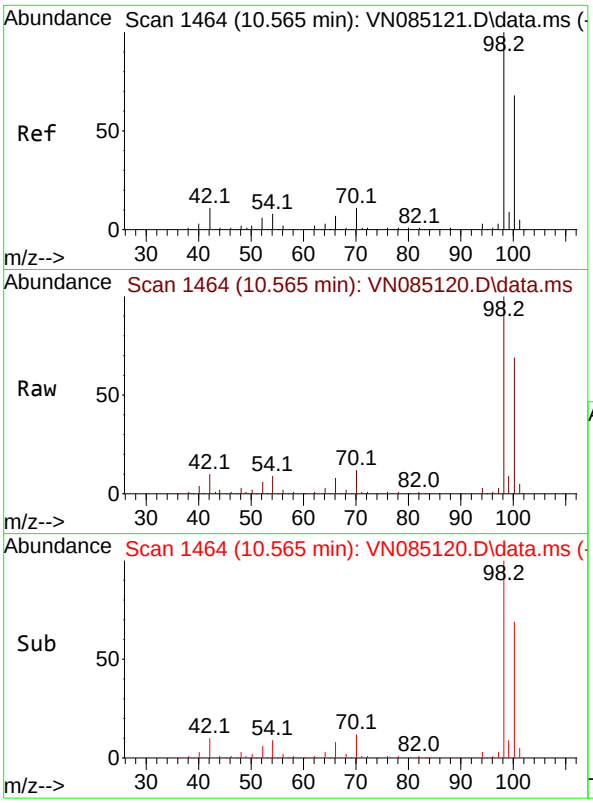


#62
Toluene
Concen: 102.798 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 91 Resp: 917622

Ion	Ratio	Lower	Upper
91	100		
92	58.2	46.5	69.7



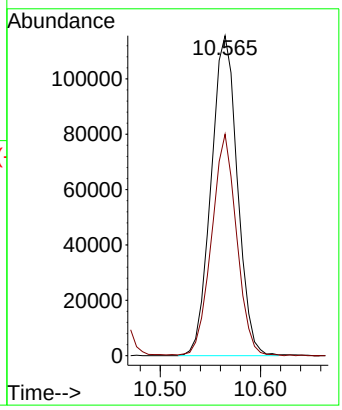


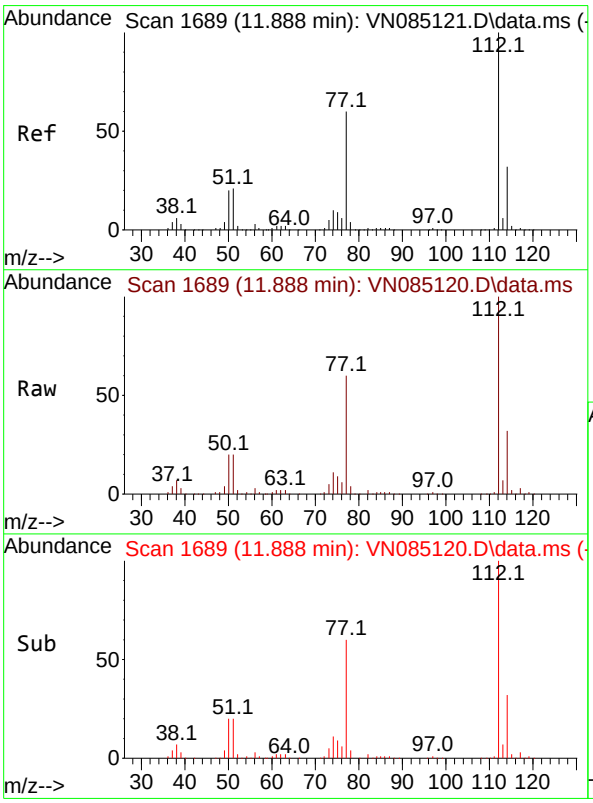
#63
Toluene-d8
Concen: 29.250 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 98 Resp: 210008

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.0	78.0

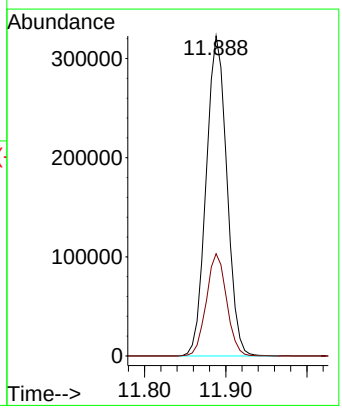


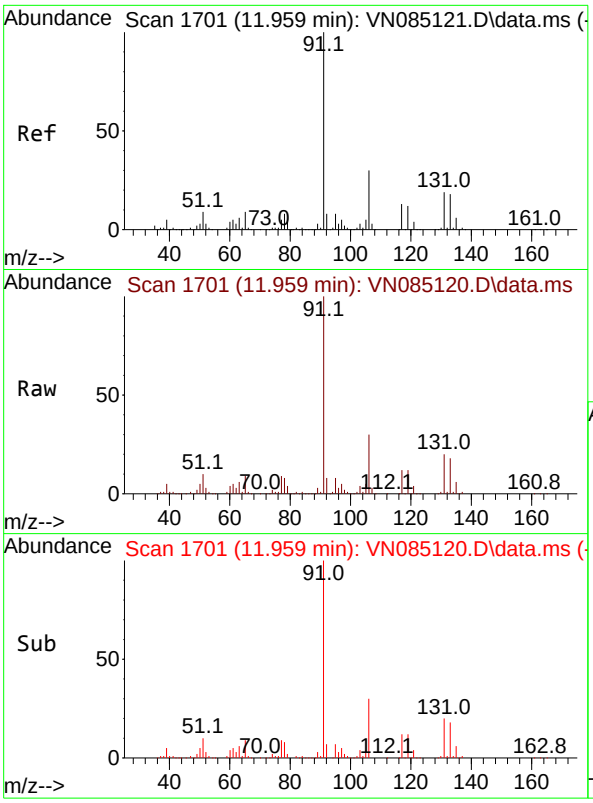


#64
Chlorobenzene
Concen: 103.744 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:112 Resp: 571760

Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.0	39.0



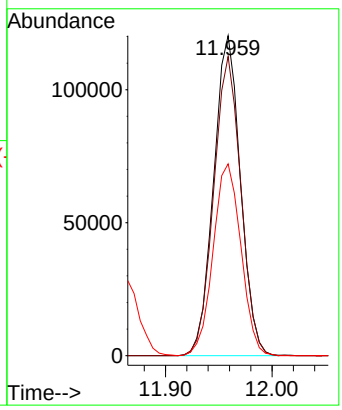


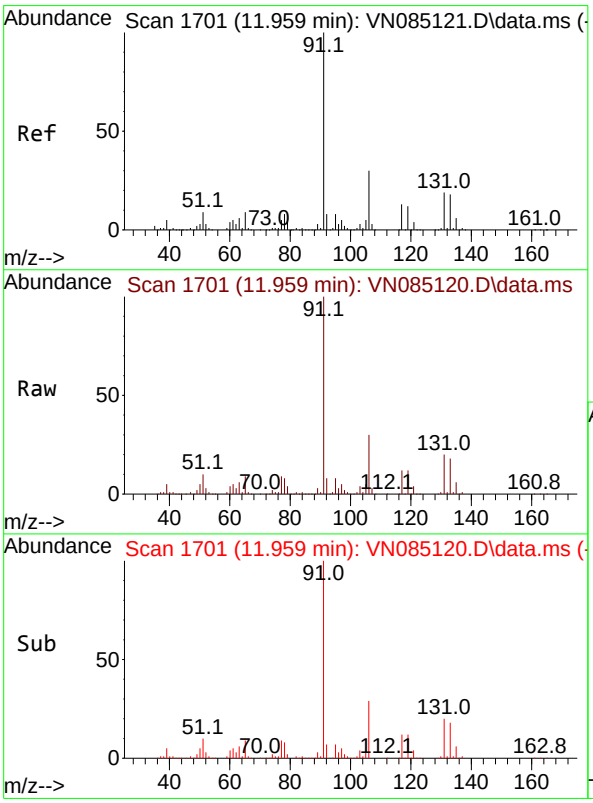
#65
1,1,1,2-Tetrachloroethane
Concen: 102.429 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:131 Resp: 210736

Ion	Ratio	Lower	Upper
131	100		
133	94.6	0.0	194.0
119	62.2	0.0	131.8

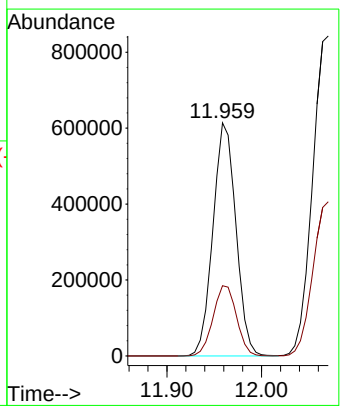


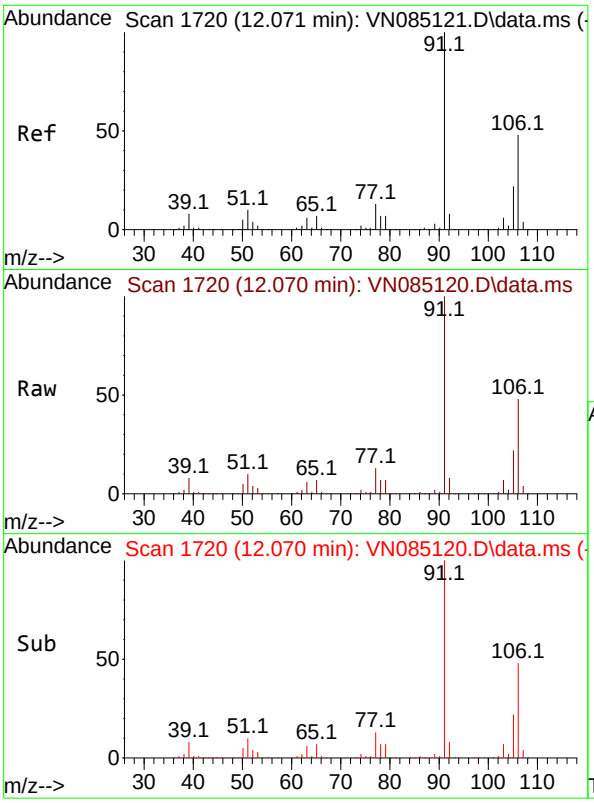


#66
Ethyl Benzene
Concen: 109.440 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 91 Resp: 1036629

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.1	34.7



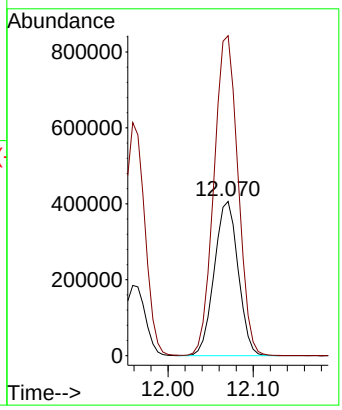


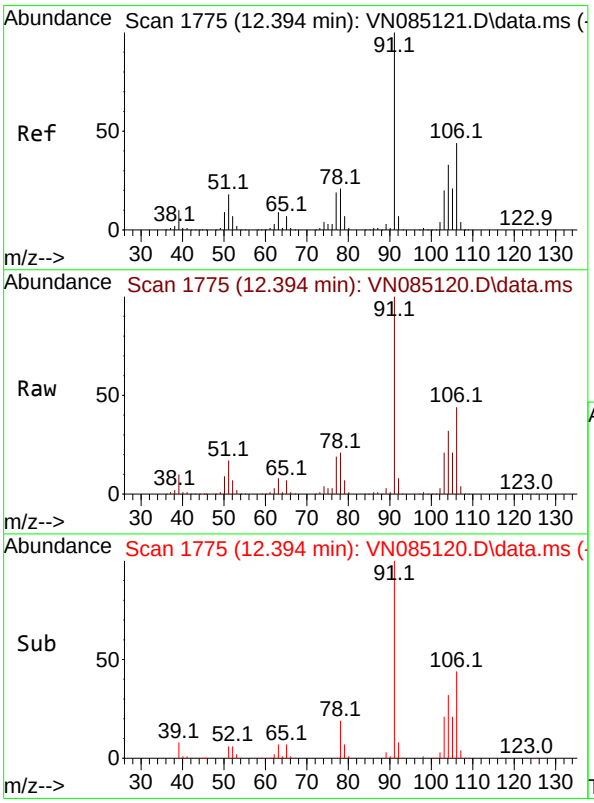
#67
m/p-Xylenes
Concen: 217.173 ug/l
RT: 12.070 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 791201

Ion	Ratio	Lower	Upper
106	100		
91	209.3	165.0	247.4

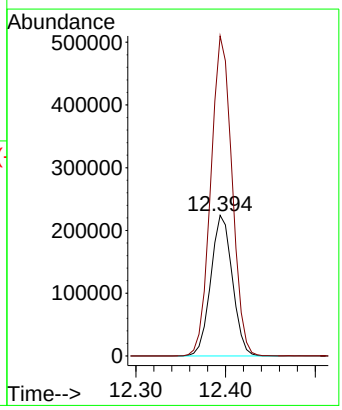


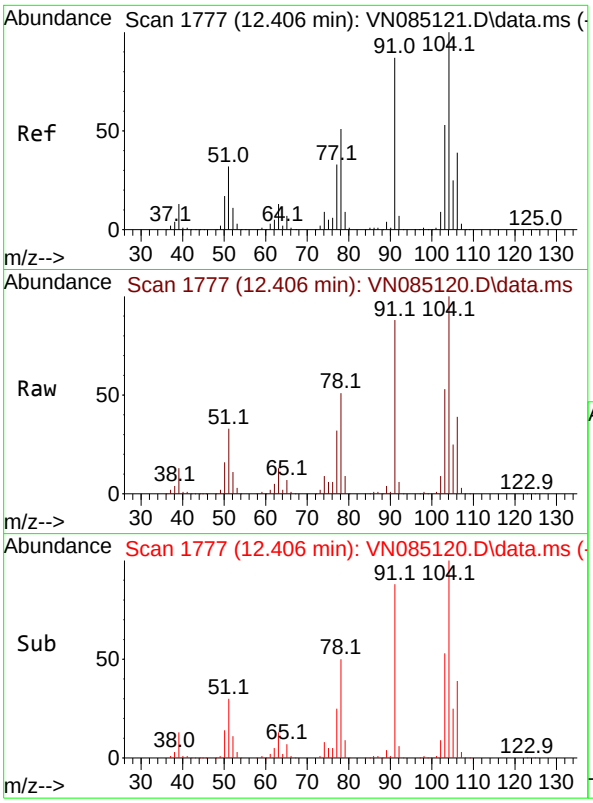


#68
o-Xylene
Concen: 109.449 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:106 Resp: 374478

Ion	Ratio	Lower	Upper
106	100		
91	224.3	112.1	336.4



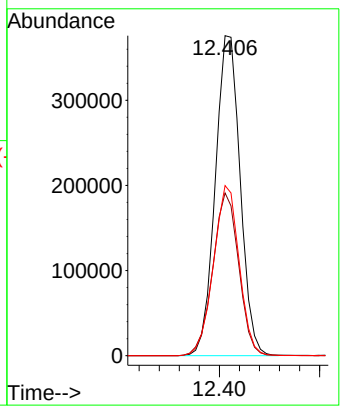


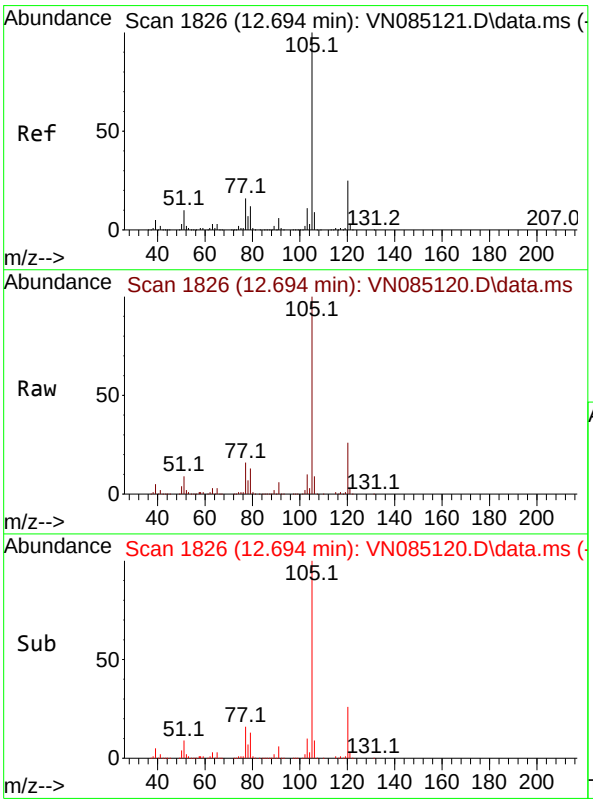
#69
Styrene
Concen: 111.644 ug/l
RT: 12.406 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:104 Resp: 648187

Ion	Ratio	Lower	Upper
104	100		
78	52.9	42.3	63.5
103	54.8	44.4	66.6

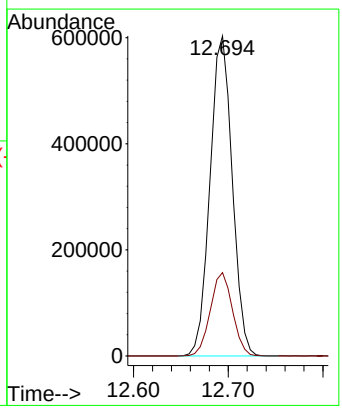


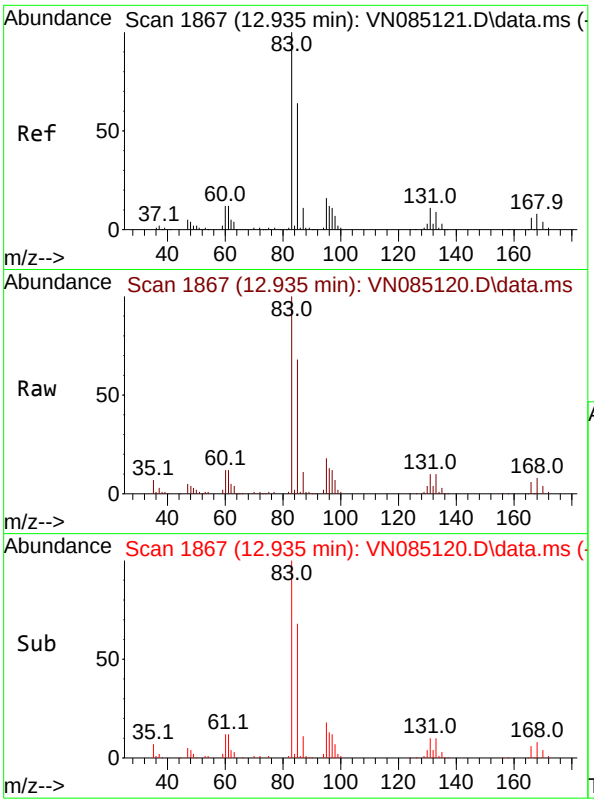


#70
Isopropylbenzene
Concen: 111.721 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:105 Resp: 985915

Ion	Ratio	Lower	Upper
105	100		
120	25.9	18.3	33.9



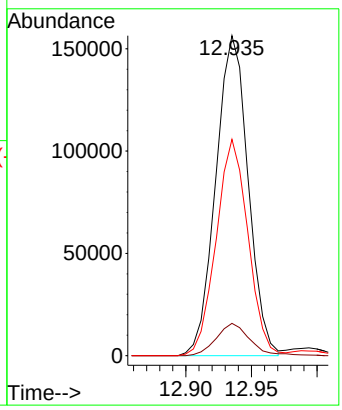


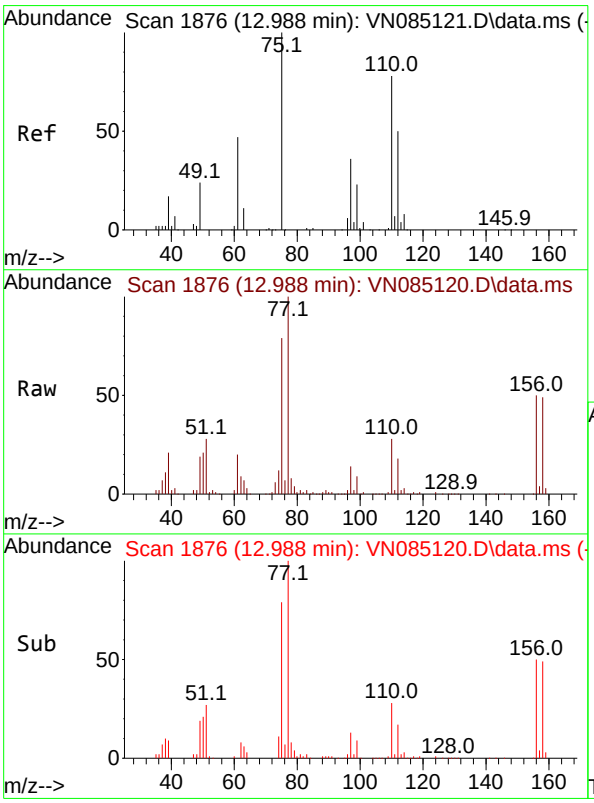
#71
1,1,2,2-Tetrachloroethane
Concen: 99.877 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 268272

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.3
85	66.6	31.1	93.5

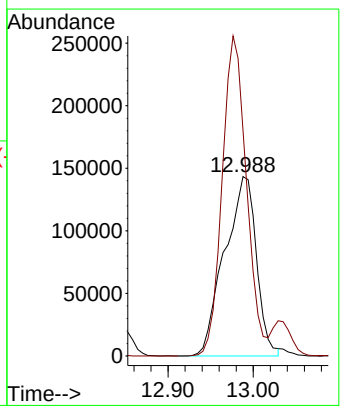


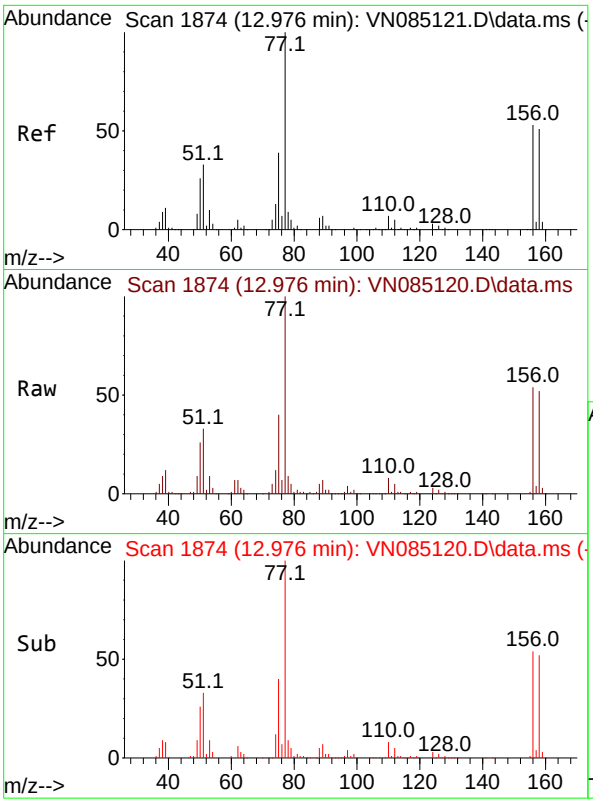


#72
1,2,3-Trichloropropane
Concen: 140.036 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 75 Resp: 371562

Ion	Ratio	Lower	Upper
75	100		
77	136.9	0.0	339.0



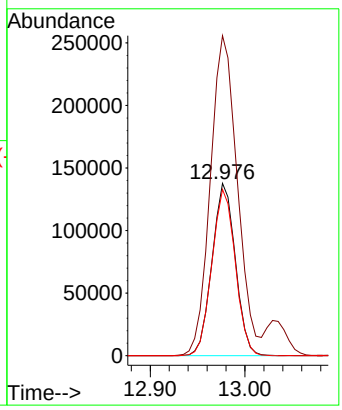


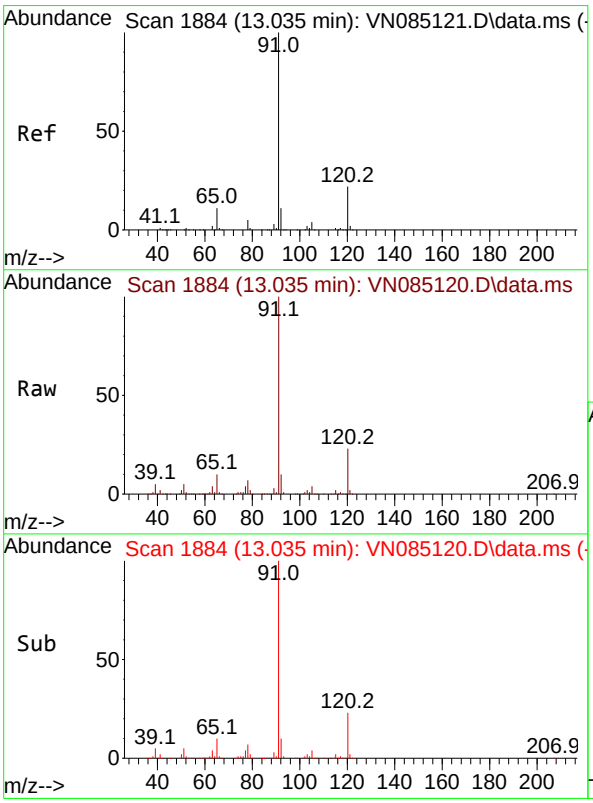
#73
Bromobenzene
Concen: 106.648 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 235738

Ion	Ratio	Lower	Upper
156	100		
77	215.8	0.0	430.4
158	97.0	0.0	195.2

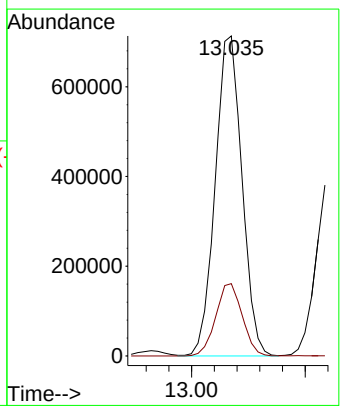


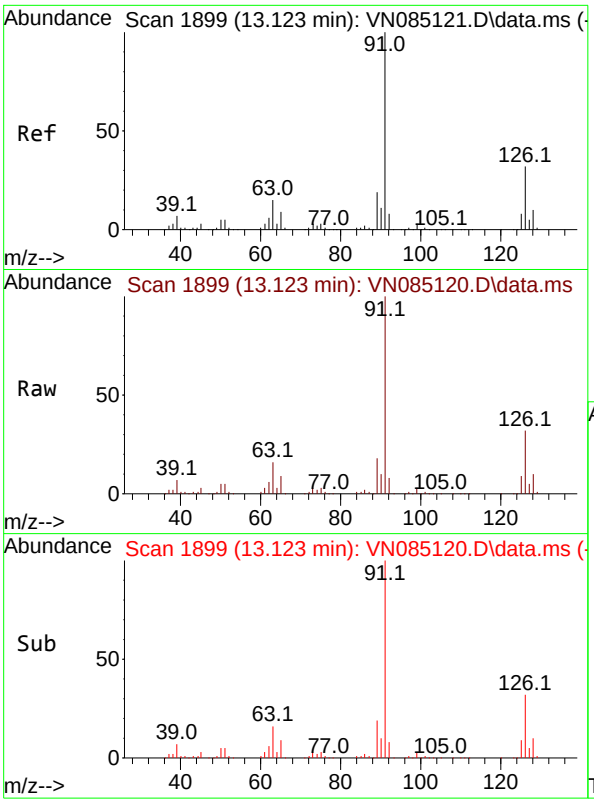


#74
n-propylbenzene
Concen: 109.952 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 91 Resp: 1166509

Ion	Ratio	Lower	Upper
91	100		
120	22.3	0.0	44.0



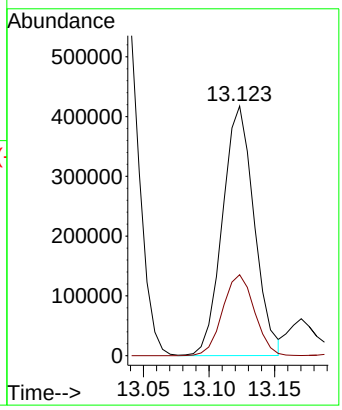


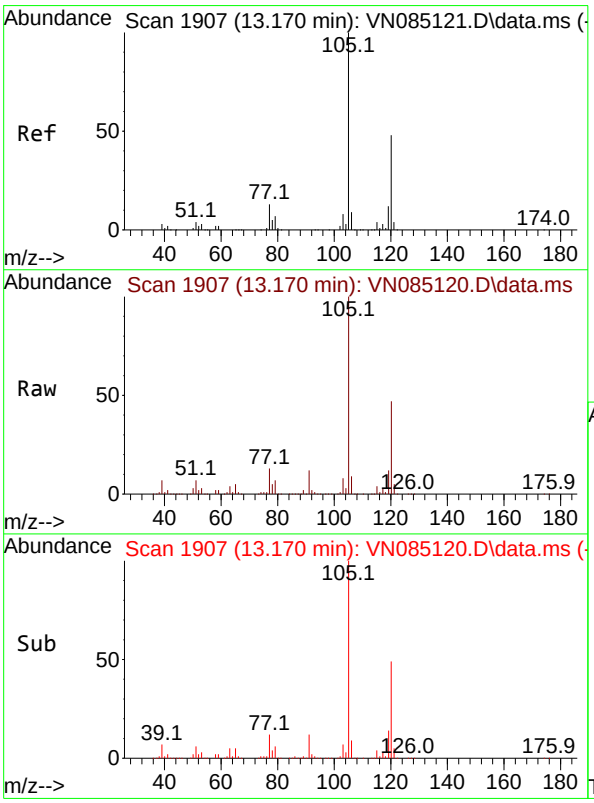
#75
2-Chlorotoluene
Concen: 107.179 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 703050

Ion	Ratio	Lower	Upper
91	100		
126	32.5	0.0	64.2

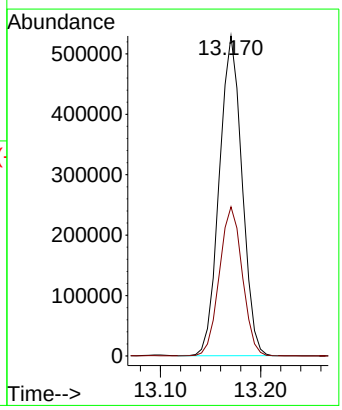


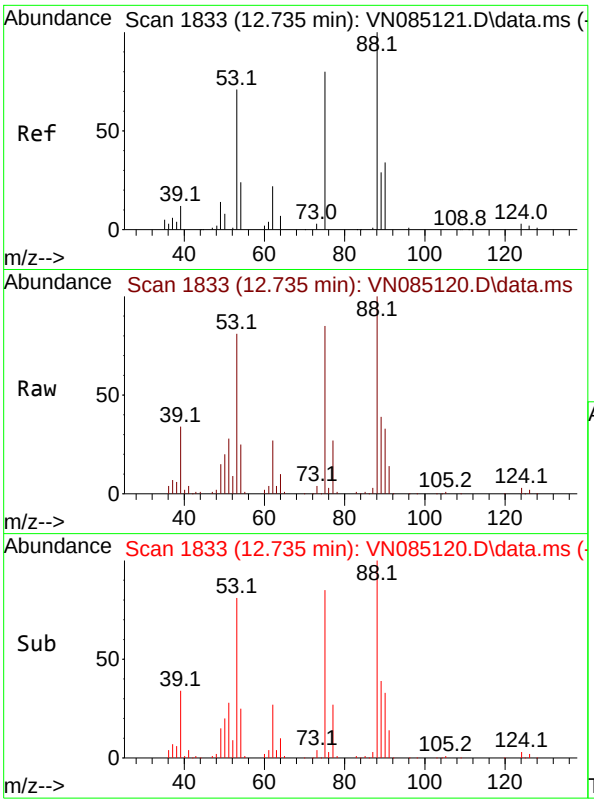


#76
1,3,5-Trimethylbenzene
Concen: 110.018 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:105 Resp: 831794

Ion	Ratio	Lower	Upper
105	100		
120	47.0	0.0	94.4



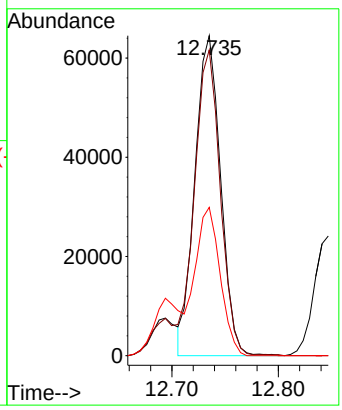


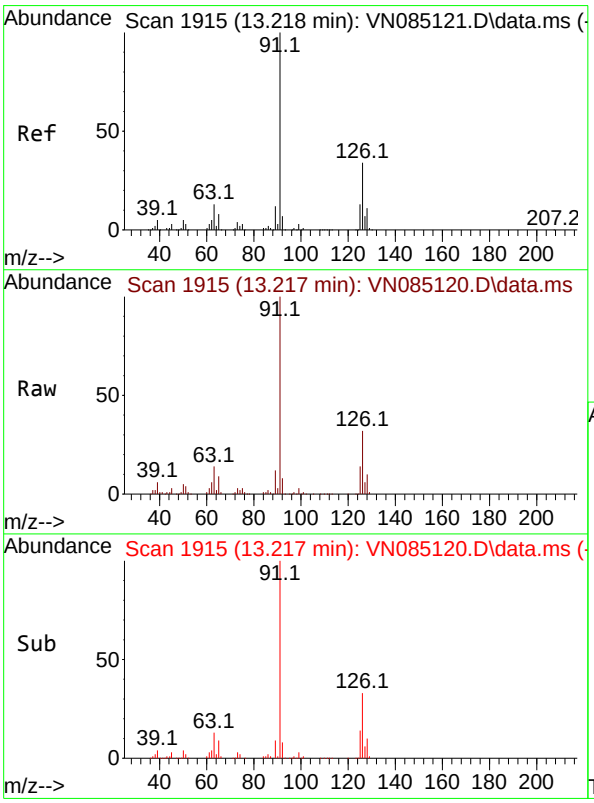
#77
t-1,4-Dichloro-2-butene
Concen: 111.976 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 107962

Ion	Ratio	Lower	Upper
75	100		
53	95.2	49.1	147.3
89	46.3	22.9	68.5

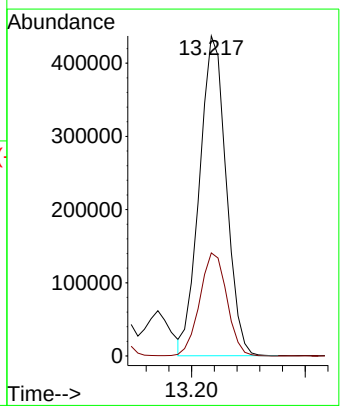


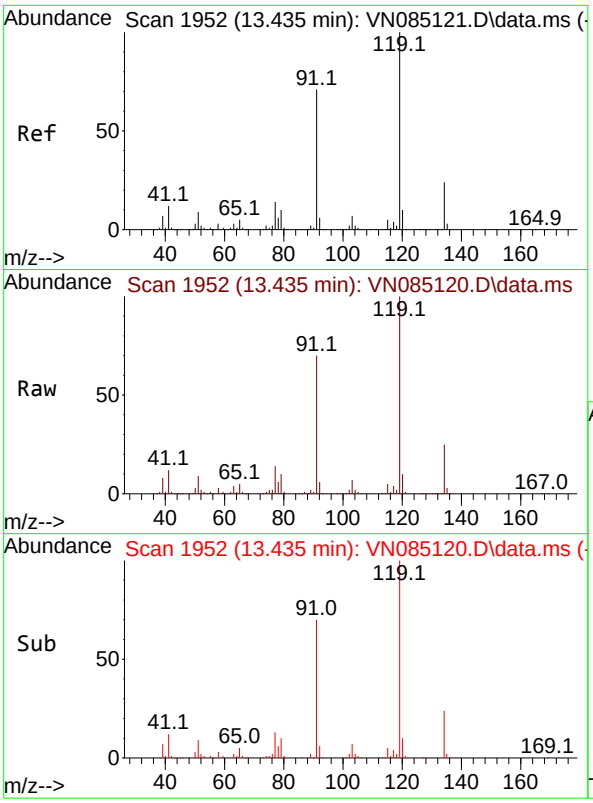


#78
4-Chlorotoluene
Concen: 107.197 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 91 Resp: 713716

Ion	Ratio	Lower	Upper
91	100		
126	32.7	0.0	64.4



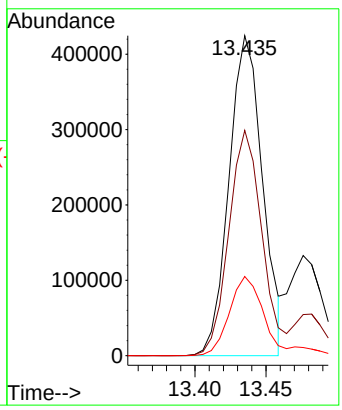


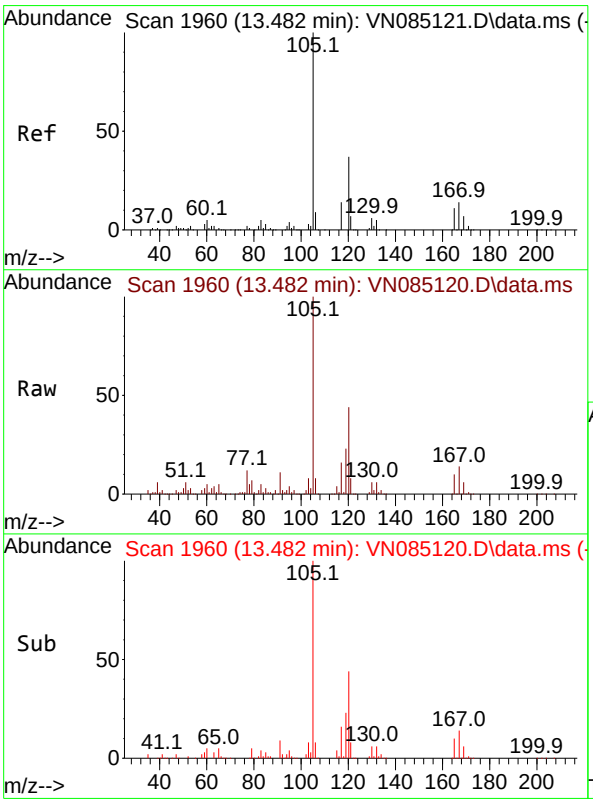
#79
tert-butylbenzene
Concen: 112.381 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 697873

Ion	Ratio	Lower	Upper
119	100		
91	69.9	0.0	139.2
134	24.6	0.0	48.0

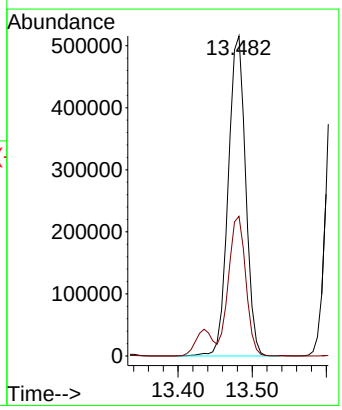


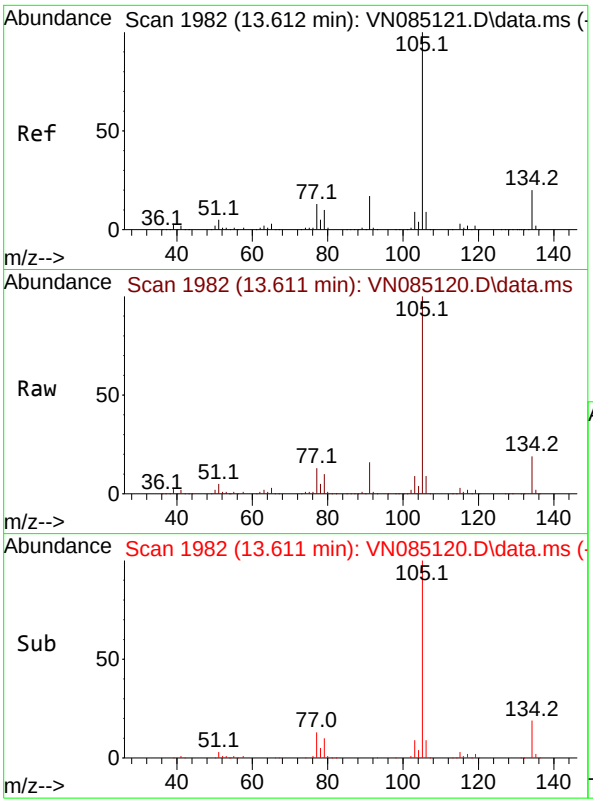


#80
1,2,4-Trimethylbenzene
Concen: 112.327 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:105 Resp: 838873

Ion	Ratio	Lower	Upper
105	100		
120	43.3	0.0	87.4



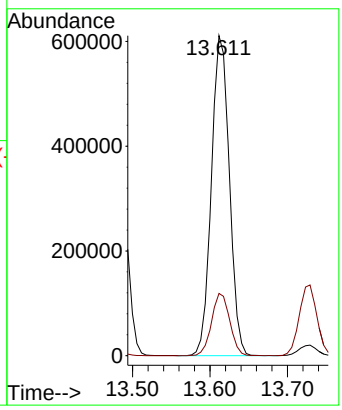


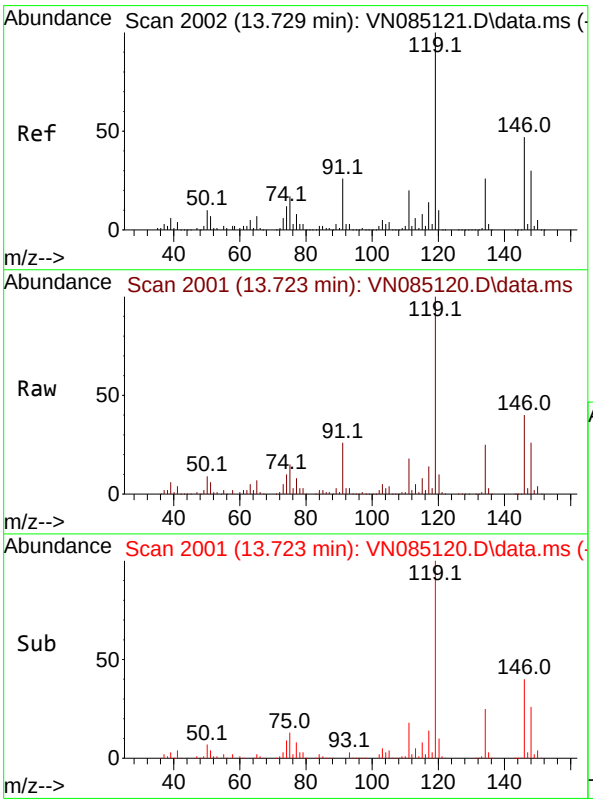
#81
sec-Butylbenzene
Concen: 111.460 ug/l
RT: 13.611 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 983338

Ion	Ratio	Lower	Upper
105	100		
134	19.7	0.0	38.0

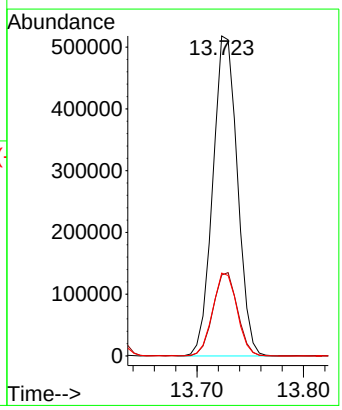


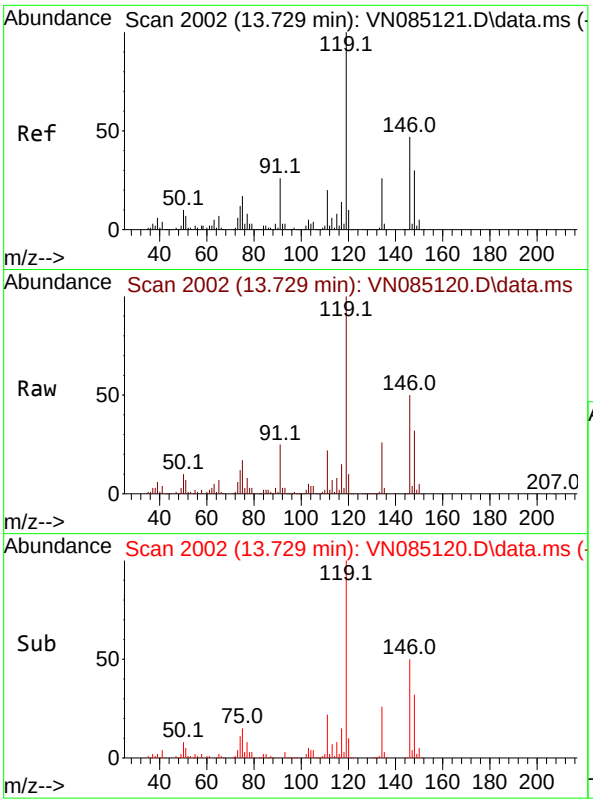


#82
p-Isopropyltoluene
Concen: 113.406 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:119 Resp: 829472

Ion	Ratio	Lower	Upper
119	100		
134	25.8	0.0	51.6
91	25.7	0.0	50.4



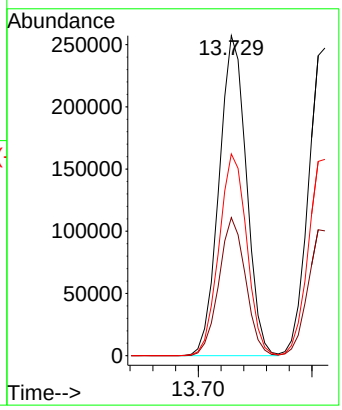


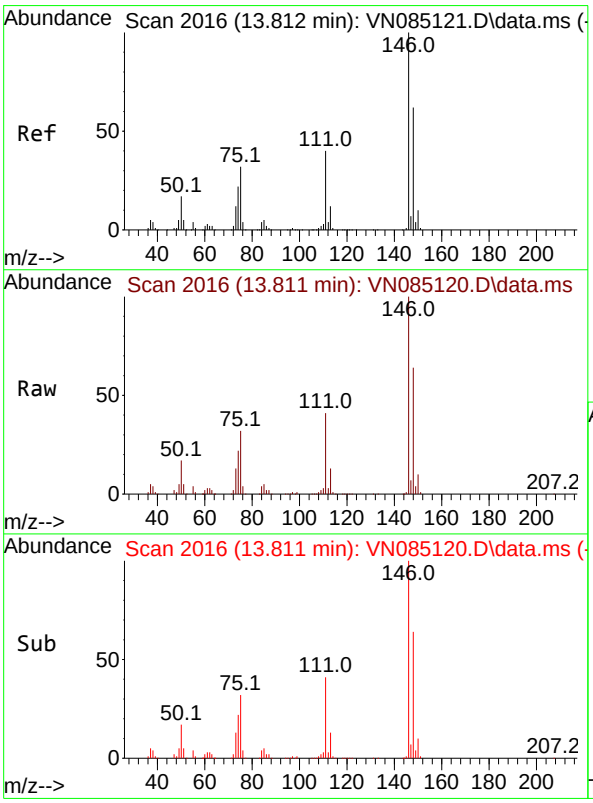
#83
1,3-Dichlorobenzene
Concen: 105.881 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 429389

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.3
148	64.0	31.8	95.3

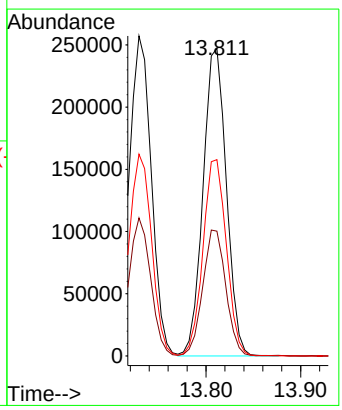


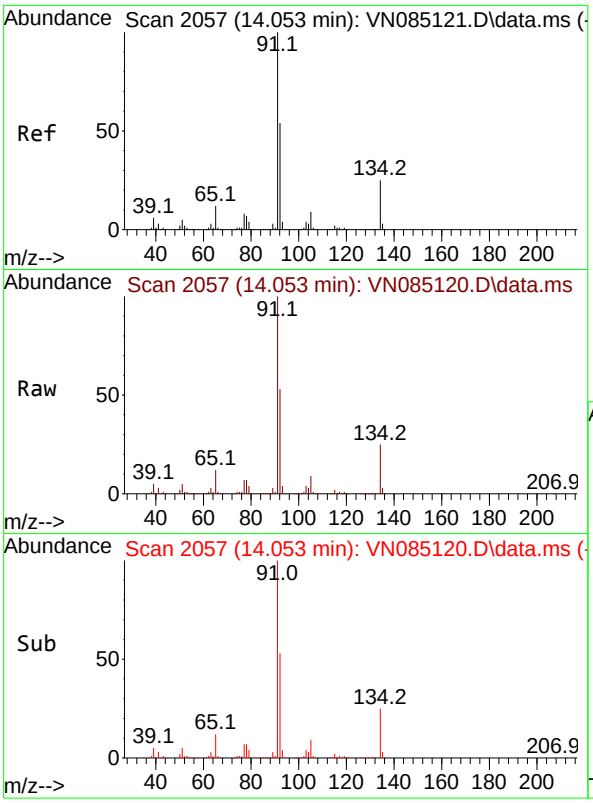


#84
1,4-Dichlorobenzene
Concen: 107.060 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:146 Resp: 423137

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.1	60.3
148	64.2	31.6	94.7



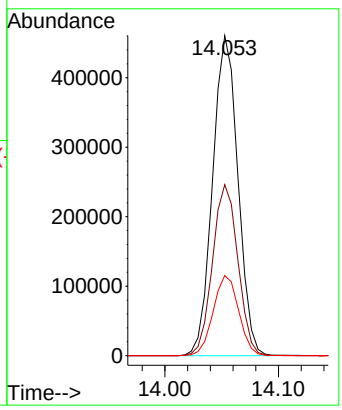


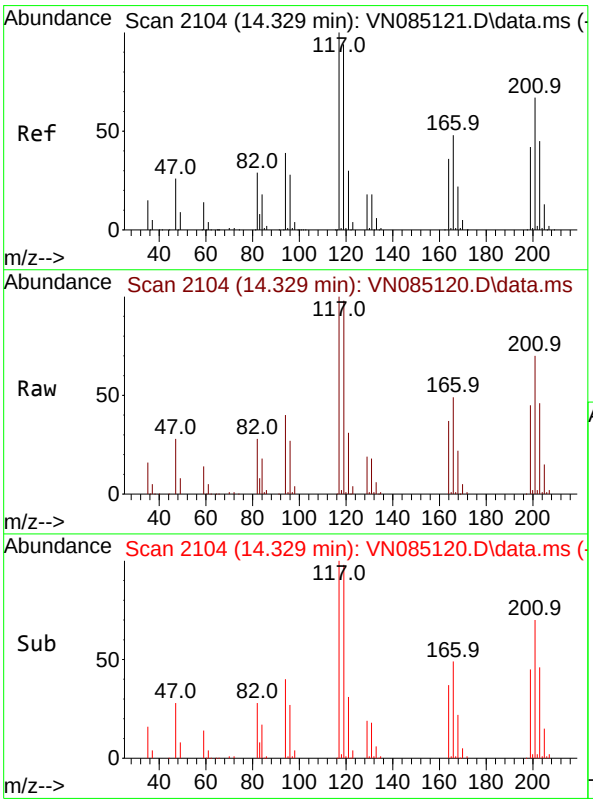
#85
n-Butylbenzene
Concen: 116.298 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 713519

Ion	Ratio	Lower	Upper
91	100		
92	53.5	0.0	104.0
134	25.2	0.0	49.2

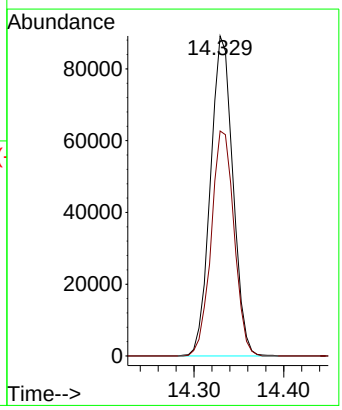


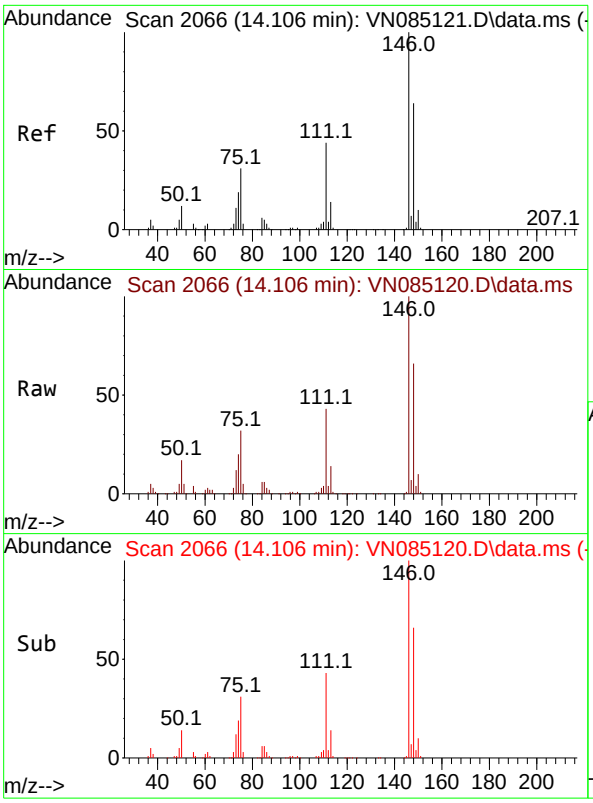


#86
Hexachloroethane
Concen: 106.440 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:117 Resp: 154986

Ion	Ratio	Lower	Upper
117	100		
201	71.5	34.1	102.3



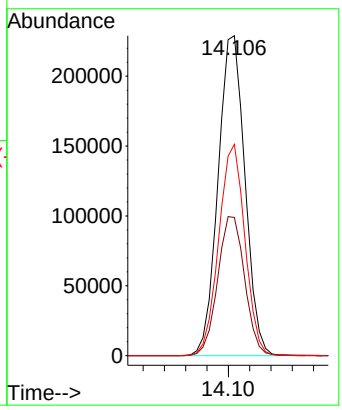


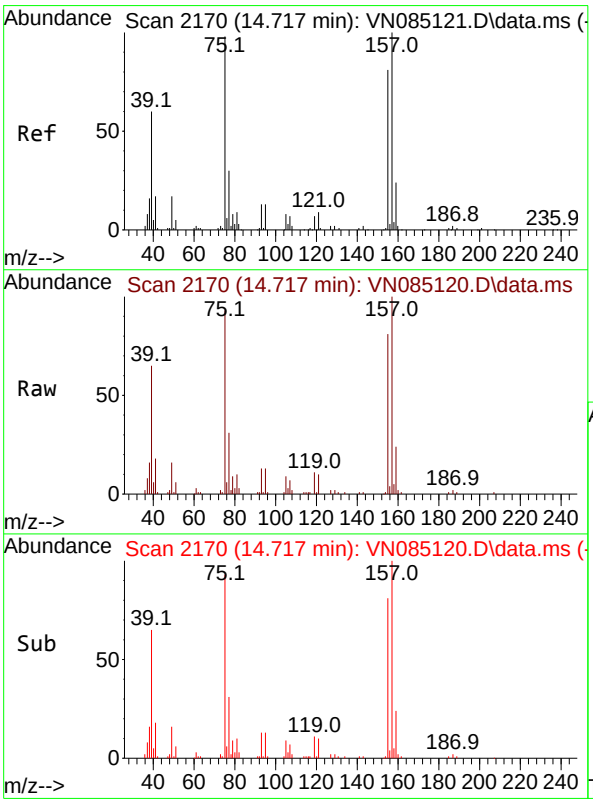
#87
1,2-Dichlorobenzene
Concen: 104.836 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 401301

Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.9	65.7
148	64.3	32.4	97.0

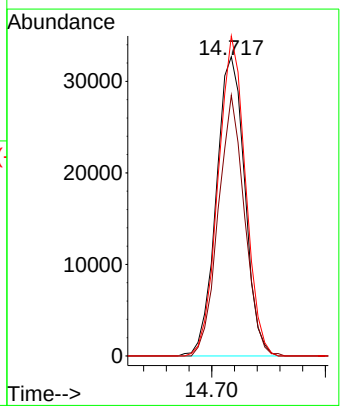


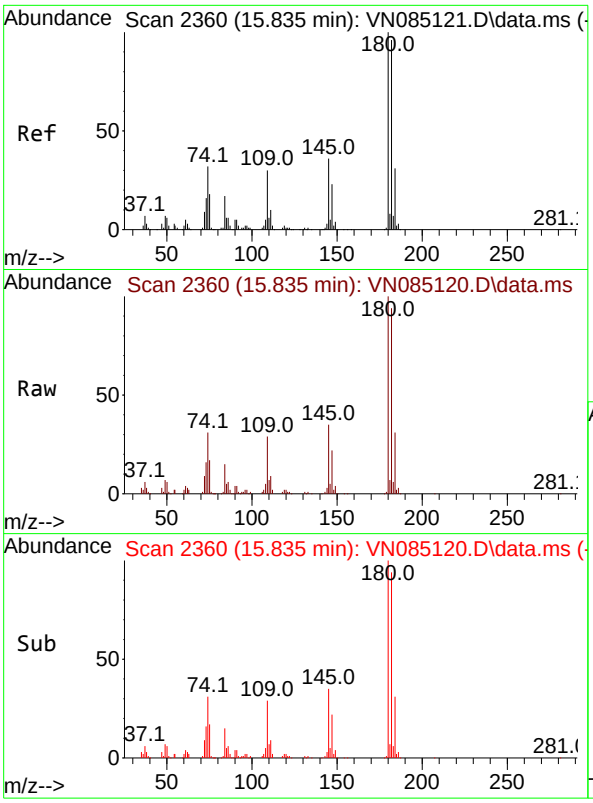


#88
1,2-Dibromo-3-Chloropropane
Concen: 106.118 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion: 75 Resp: 56942

Ion	Ratio	Lower	Upper
75	100		
155	80.4	62.1	93.1
157	102.3	79.3	118.9



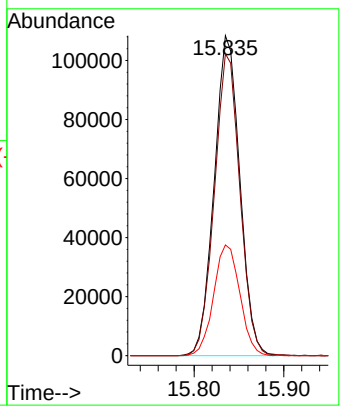


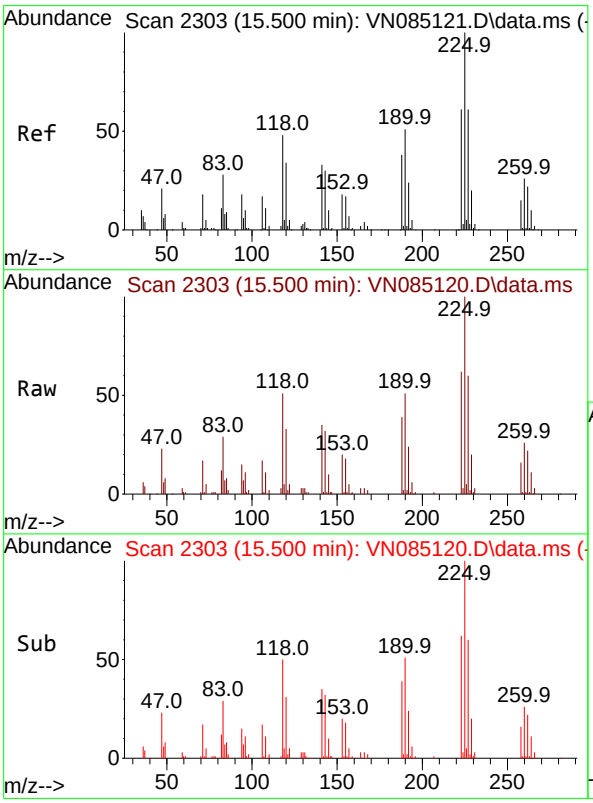
#89
1,2,4-Trichlorobenzene
Concen: 114.647 ug/l
RT: 15.835 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 214927

Ion	Ratio	Lower	Upper
180	100		
182	94.0	74.0	111.0
145	35.4	28.6	43.0

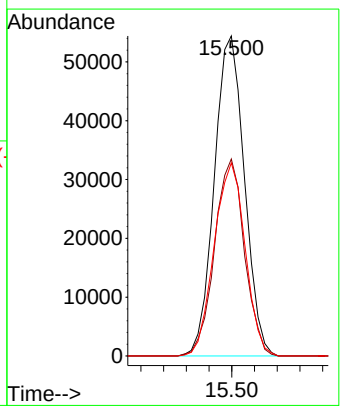


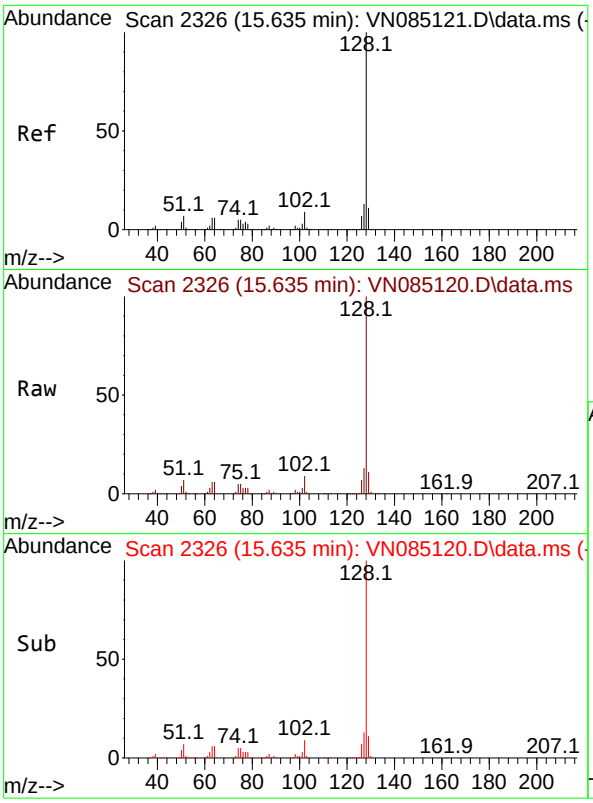


#90
Hexachlorobutadiene
Concen: 102.912 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:225 Resp: 100252

Ion	Ratio	Lower	Upper
225	100		
223	61.1	0.0	121.8
227	61.9	0.0	126.8



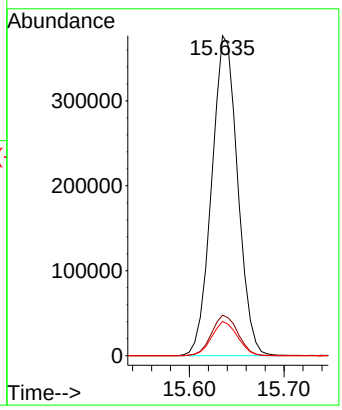


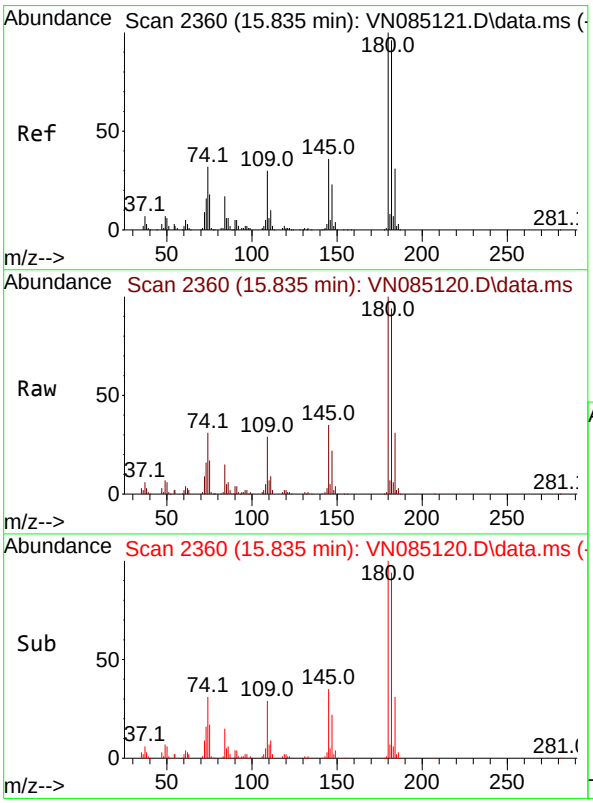
#91
Naphthalene
Concen: 123.516 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 719387

Ion	Ratio	Lower	Upper
128	100		
127	12.8	11.0	16.4
129	10.6	8.7	13.1

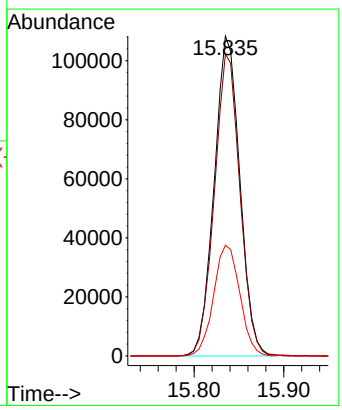




#92
1,2,3-Trichlorobenzene
Concen: 114.647 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085120.D
Acq: 06 Dec 2024 11:13

Tgt Ion:180 Resp: 214927

Ion	Ratio	Lower	Upper
180	100		
182	94.0	0.0	185.0
145	35.4	0.0	71.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085121.D
Acq On : 06 Dec 2024 11:37
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Dec 06 22:31:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	29869	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.094	114	165478	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	154258	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	72104	30.424	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.400%				
60) 4-Bromofluorobenzene	12.847	95	77038	30.183	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.600%				
63) Toluene-d8	10.565	98	210929	29.150	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.167%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	382696	160.147	ug/l		100
3) Chloromethane	2.359	50	336891	159.276	ug/l		96
4) Vinyl Chloride	2.512	62	337908	156.192	ug/l		98
5) Bromomethane	2.930	94	203330	148.033	ug/l		96
6) Chloroethane	3.106	64	209222	157.410	ug/l		100
7) Trichlorofluoromethane	3.489	101	564698	159.461	ug/l		98
8) Diethyl Ether	3.959	74	189430	168.881	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.371	101	311182	157.134	ug/l		98
10) 1,1-Dichloroethene	4.336	96	297605	163.607	ug/l		94
11) Methyl Iodide	4.589	142	437650	173.477	ug/l		96
12) Methyl Acetate	5.018	43	348950	162.608	ug/l		95
13) Acrolein	4.171	56	272433	873.598	ug/l		94
14) Acrylonitrile	5.712	53	742116	832.848	ug/l		97
15) Acetone	4.424	58	196952	815.641	ug/l		97
16) Carbon Disulfide	4.712	76	864628	159.023	ug/l		100
17) Allyl chloride	5.018	41	433507	166.552	ug/l		91
18) Methylene Chloride	5.271	84	313694	151.985	ug/l		97
19) trans-1,2-Dichloroethene	5.783	96	302760	160.130	ug/l		92
20) Diisopropyl ether	6.665	45	921058	161.244	ug/l		99
21) 1,1-Dichloroethane	6.565	63	551498	156.428	ug/l	#	98
22) cis-1,2-Dichloroethene	7.483	96	353328	162.585	ug/l		99
23) tert-Butyl Alcohol	5.518	59	276979	866.490	ug/l	#	100
25) Chloroform	7.965	83	569561	154.206	ug/l		96
26) Cyclohexane	8.253	56	483028	166.394	ug/l	#	93
29) 1,1-Dichloropropene	8.371	75	418388	156.686	ug/l		99
30) 2-Butanone	7.477	43	967143	789.269	ug/l		99
31) 2,2-Dichloropropane	7.488	77	524946	153.308	ug/l	#	100
32) 1,1,1-Trichloroethane	8.165	97	539832	149.363	ug/l		99
33) Carbon Tetrachloride	8.359	117	490377	150.360	ug/l		96
34) Benzene	8.600	78	1259887	150.194	ug/l		97
35) Methacrylonitrile	7.777	41	215224	156.078	ug/l		95
36) 1,2-Dichloroethane	8.665	62	422140	147.830	ug/l		99
37) Trichloroethene	9.347	130	306812	153.593	ug/l		94
38) Methylcyclohexane	9.600	83	490389	168.903	ug/l		93
39) 1,2-Dichloropropane	9.618	63	304138	149.691	ug/l		95
40) Dibromomethane	9.706	93	218470	149.905	ug/l		98
41) Bromodichloromethane	9.888	83	469670	150.750	ug/l		96
42) Vinyl Acetate	6.600	43	3493830	814.821	ug/l		100
43) Ethyl Acetate	7.553	43	382630	156.937	ug/l		96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085121.D
Acq On : 06 Dec 2024 11:37
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Dec 06 22:31:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration

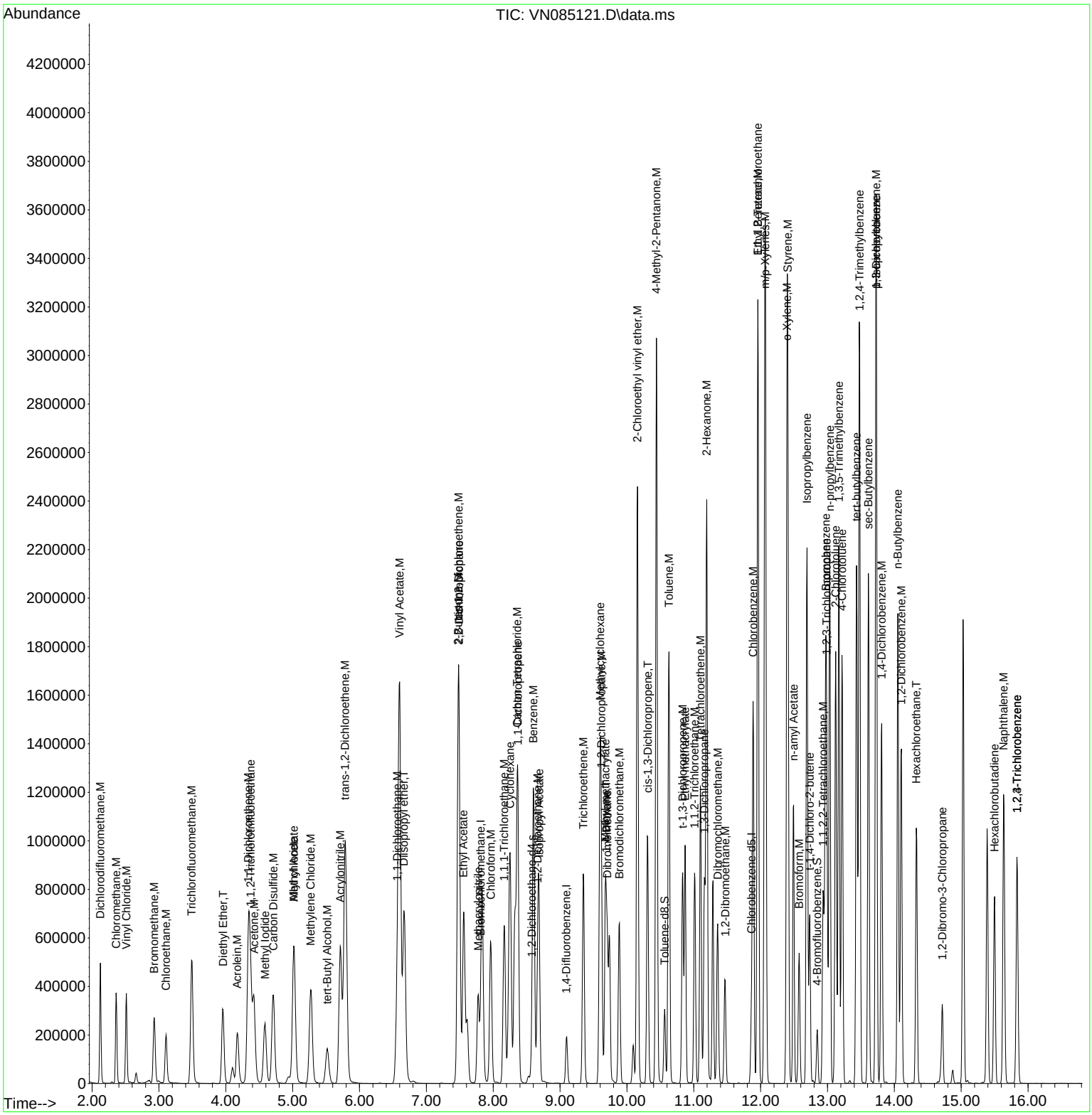
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Isopropyl Acetate	8.688	43	672392	158.696	ug/l	99
45) 1,4-Dioxane	9.694	88	111218	3147.777	ug/l	96
46) Methyl methacrylate	9.677	41	320862	165.471	ug/l	97
47) n-amyl Acetate	12.494	43	592642	166.246	ug/l	92
48) t-1,3-Dichloropropene	10.835	75	499133	163.202	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	525997	157.986	ug/l	98
50) 1,1,2-Trichloroethane	11.012	97	289001	147.159	ug/l	94
51) Ethyl methacrylate	10.871	69	506274	169.495	ug/l	96
52) 1,3-Dichloropropane	11.159	76	501665	152.638	ug/l	99
53) Dibromochloromethane	11.359	129	362326	151.395	ug/l	96
54) 1,2-Dibromoethane	11.471	107	305232	154.261	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	1112538	801.795	ug/l	99
56) Bromoform	12.576	173	249601	155.551	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	1988082	789.691	ug/l	98
59) 2-Hexanone	11.194	43	1508817	790.966	ug/l	98
61) Tetrachloroethene	11.100	164	270825	144.976	ug/l	96
62) Toluene	10.629	91	1370241	152.311	ug/l	100
64) Chlorobenzene	11.888	112	858494	154.562	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	311301	150.134	ug/l	98
66) Ethyl Benzene	11.959	91	1573924	164.874	ug/l	98
67) m/p-Xylenes	12.071	106	1195807	325.683	ug/l	99
68) o-Xylene	12.394	106	562377	163.091	ug/l	100
69) Styrene	12.406	104	976478	166.883	ug/l	99
70) Isopropylbenzene	12.694	105	1467994	165.057	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	401707	148.393	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	559263	209.140	ug/l	75
73) Bromobenzene	12.976	156	347939	156.185	ug/l	99
74) n-propylbenzene	13.035	91	1746230	163.317	ug/l	99
75) 2-Chlorotoluene	13.123	91	1057392	159.945	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	1241282	162.904	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	163318	168.075	ug/l	94
78) 4-Chlorotoluene	13.218	91	1062762	158.383	ug/l	99
79) tert-butylbenzene	13.435	119	1033507	165.137	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	1230594	163.500	ug/l	100
81) sec-Butylbenzene	13.612	105	1466428	164.927	ug/l	98
82) p-Isopropyltoluene	13.729	119	1249133	169.455	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	629183	153.943	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	630821	158.368	ug/l	99
85) n-Butylbenzene	14.053	91	1076317	174.069	ug/l	98
86) Hexachloroethane	14.329	117	234799	160.002	ug/l	98
87) 1,2-Dichlorobenzene	14.106	146	591716	153.379	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	89112	164.781	ug/l	96
89) 1,2,4-Trichlorobenzene	15.835	180	332292	175.876	ug/l	98
90) Hexachlorobutadiene	15.500	225	150844	153.643	ug/l	98
91) Naphthalene	15.635	128	1116289	190.174	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	332292	175.876	ug/l	98

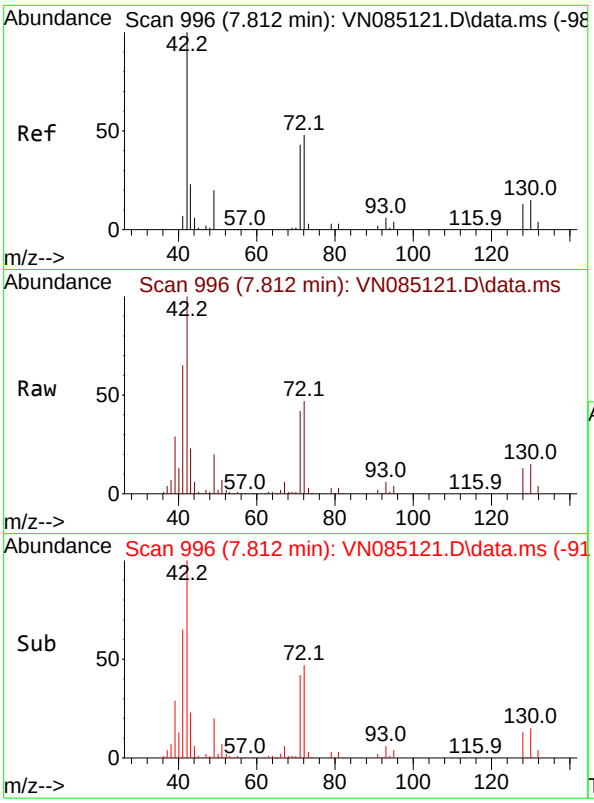
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085121.D
Acq On : 06 Dec 2024 11:37
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Dec 06 22:31:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:19:40 2024
Response via : Initial Calibration



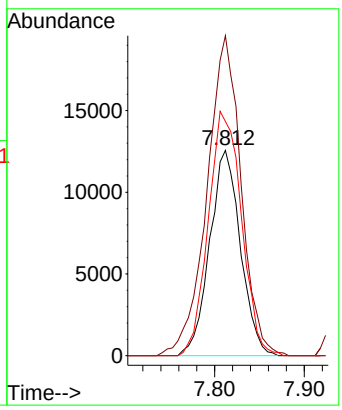


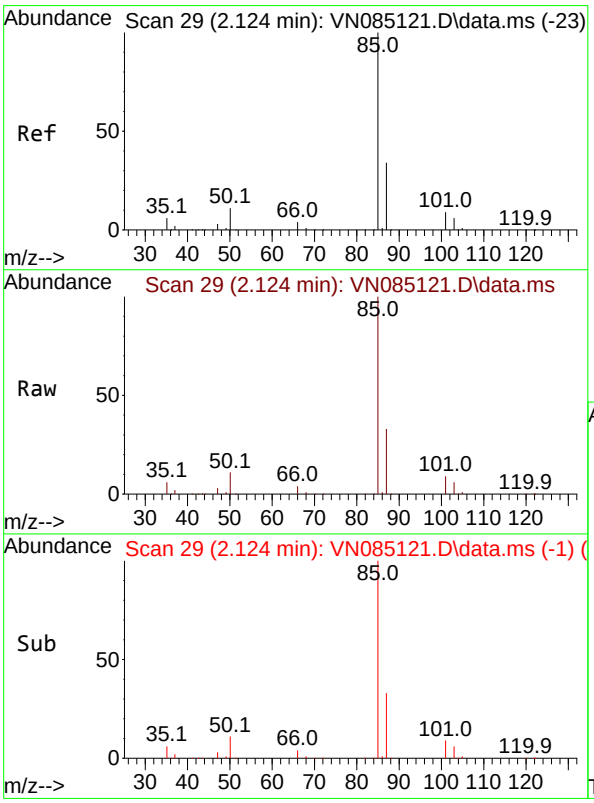
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 29869

Ion	Ratio	Lower	Upper
128	100		
49	173.0	0.0	394.5
130	128.6	0.0	316.5

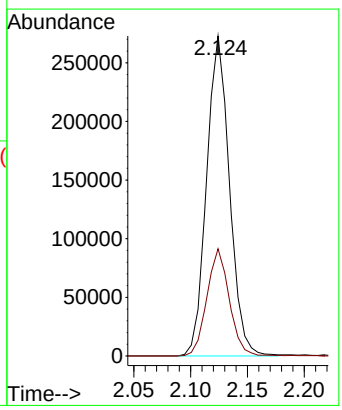


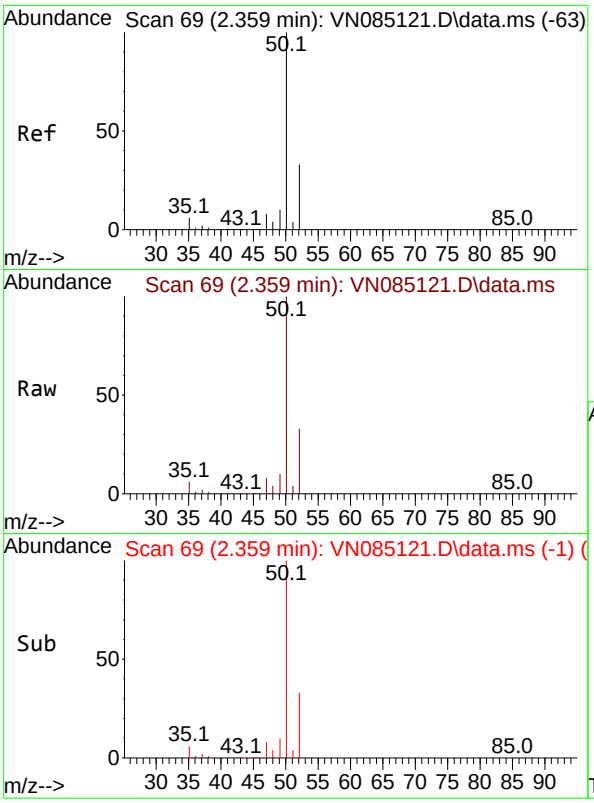


#2
Dichlorodifluoromethane
Concen: 160.147 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 85 Resp: 382696

Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.8	50.3



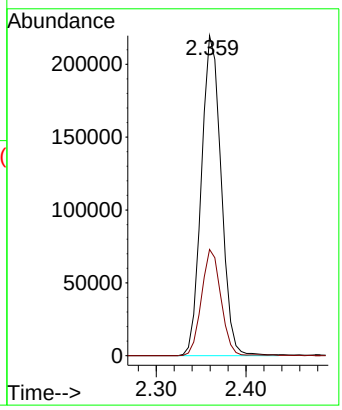


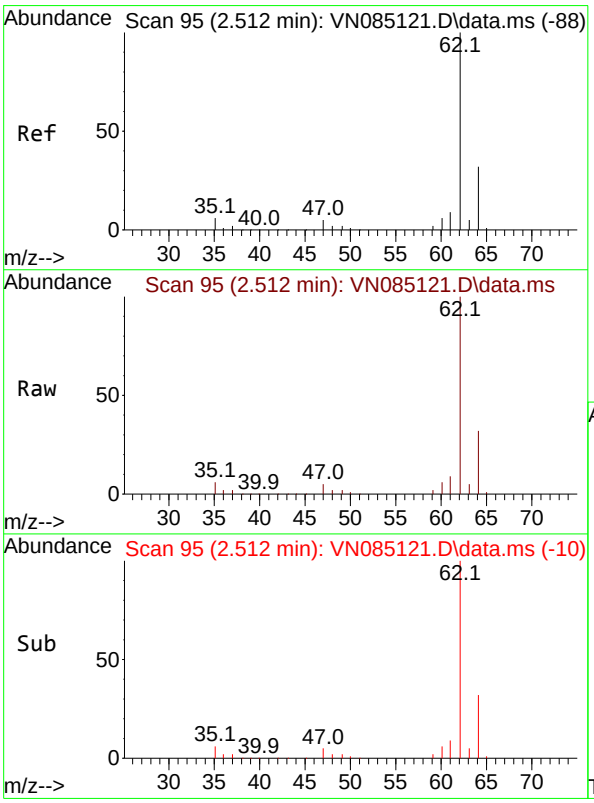
#3
Chloromethane
Concen: 159.276 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 336891

Ion	Ratio	Lower	Upper
50	100		
52	33.2	25.0	37.4

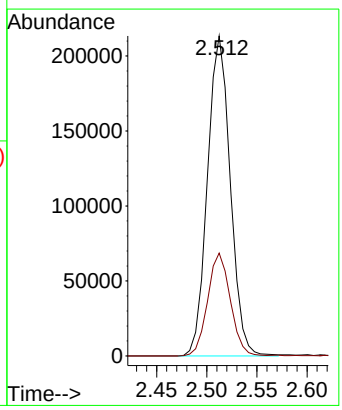


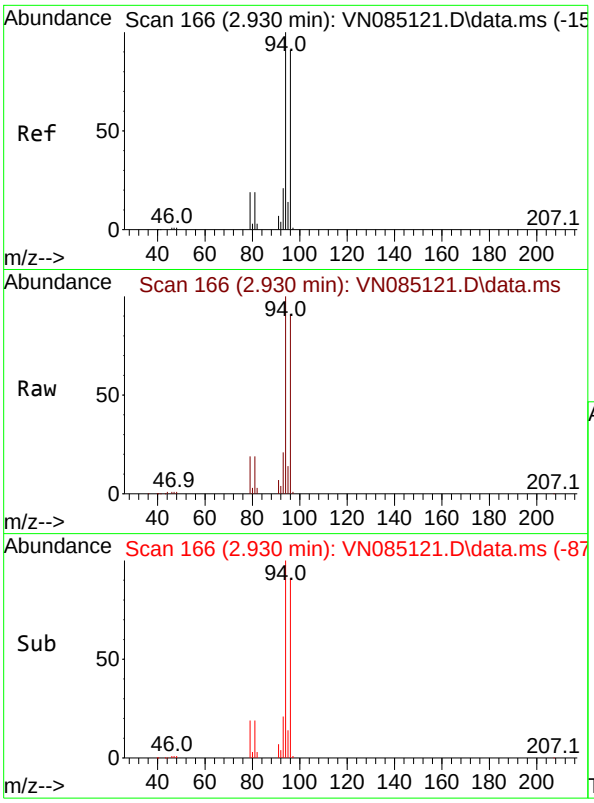


#4
Vinyl Chloride
Concen: 156.192 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 62 Resp: 337908

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.9	37.3



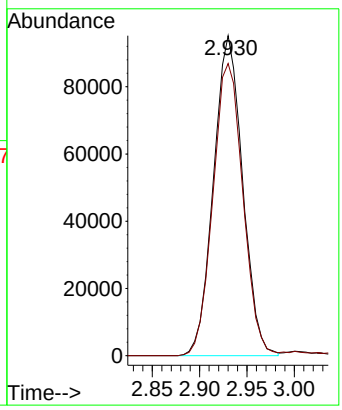


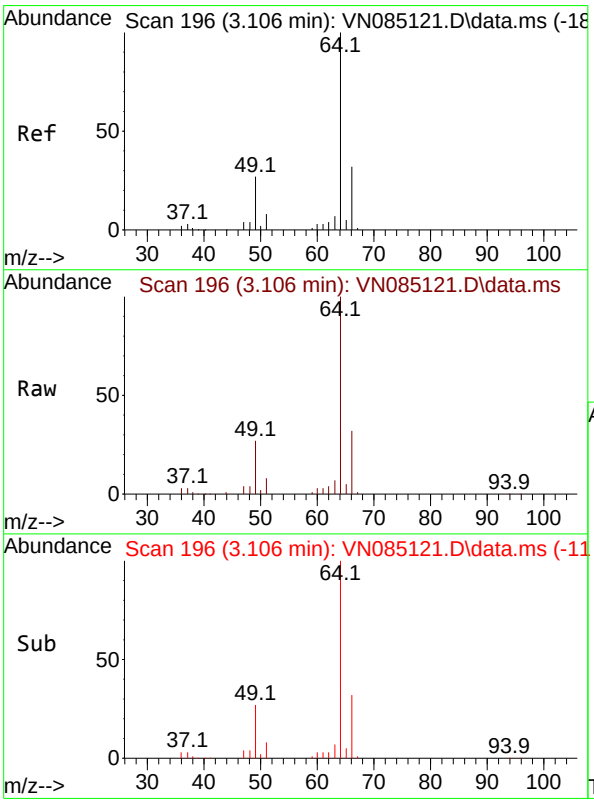
#5
Bromomethane
Concen: 148.033 ug/l
RT: 2.930 min Scan# 1
Delta R.T. -0.035 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 203330

Ion	Ratio	Lower	Upper
94	100		
96	91.3	76.2	114.4

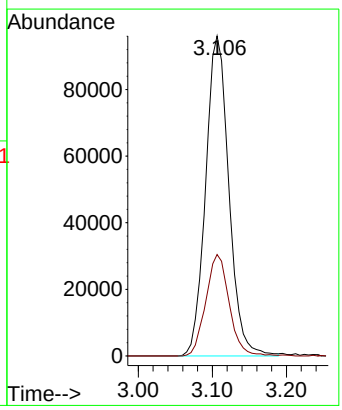


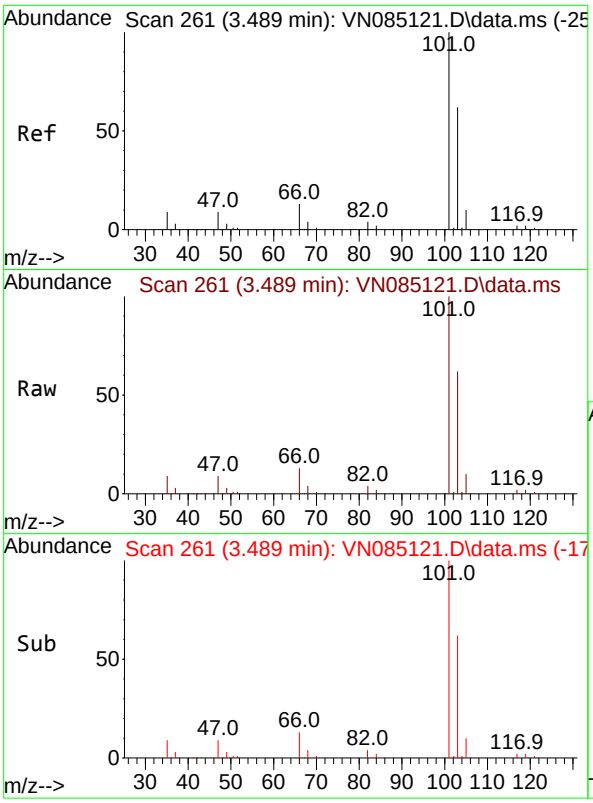


#6
Chloroethane
Concen: 157.410 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.018 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 64 Resp: 209222

Ion	Ratio	Lower	Upper
64	100		
66	31.7	25.5	38.3



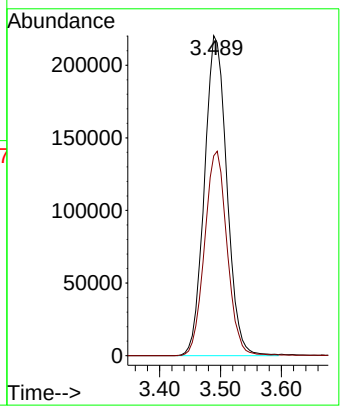


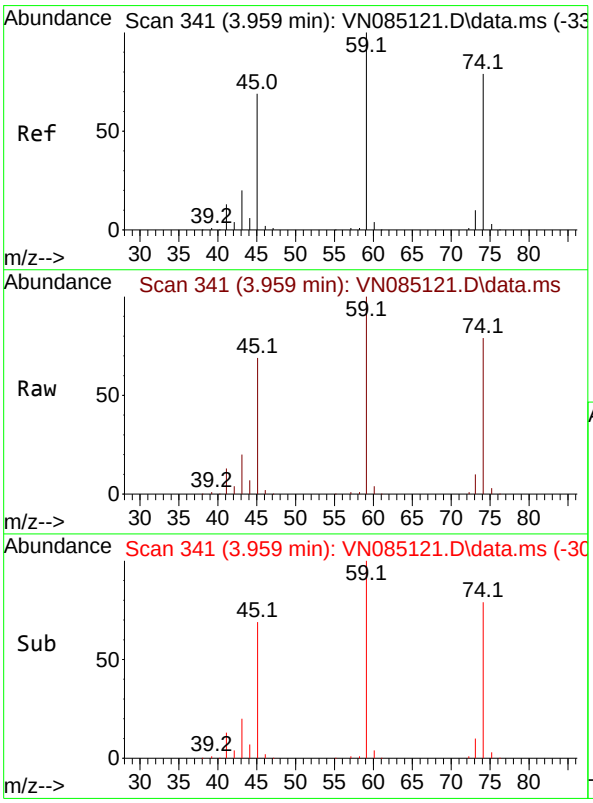
#7
Trichlorofluoromethane
Concen: 159.461 ug/l
RT: 3.489 min Scan# 2
Delta R.T. -0.012 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 564698

Ion	Ratio	Lower	Upper
101	100		
103	62.3	51.3	76.9

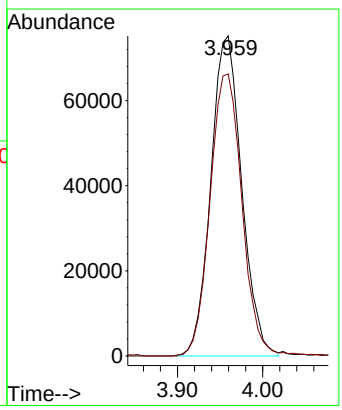


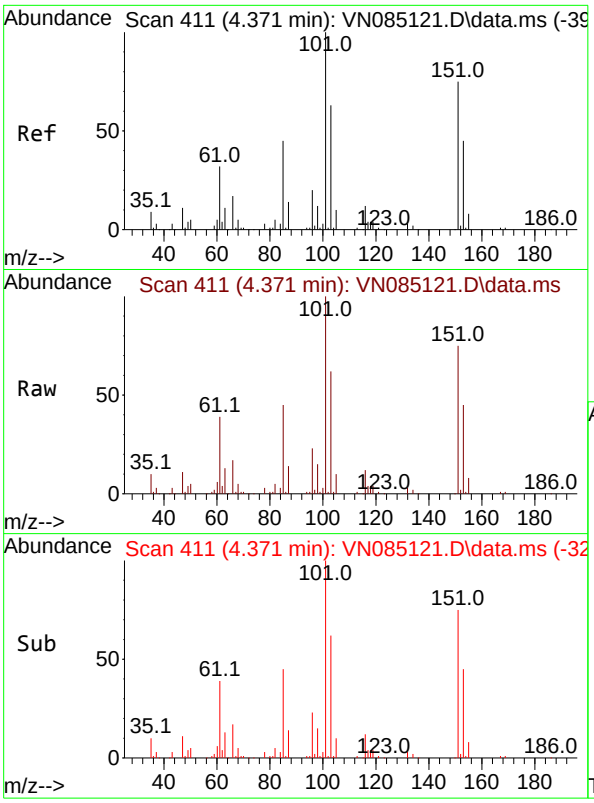


#8
Diethyl Ether
Concen: 168.881 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 74 Resp: 189430

Ion	Ratio	Lower	Upper
74	100		
45	90.9	18.6	167.8



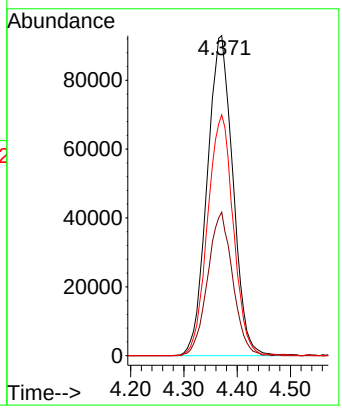


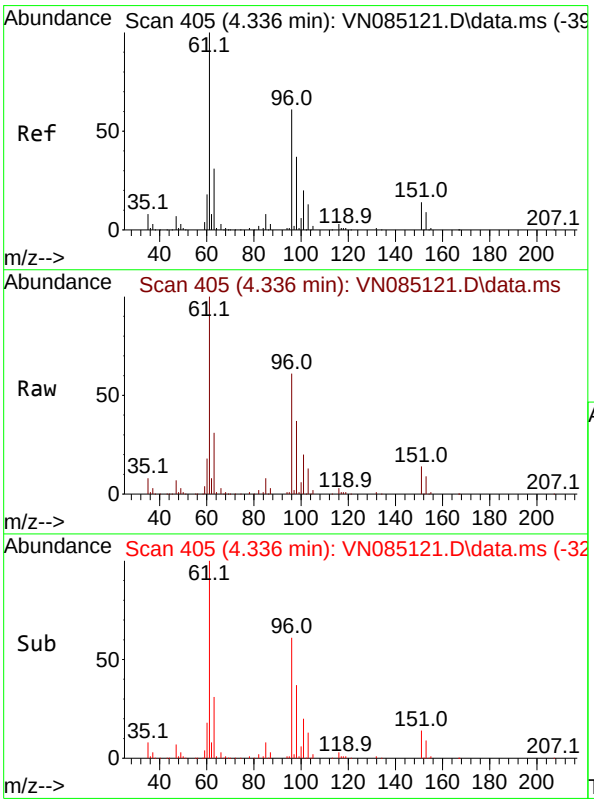
#9
1,1,2-Trichlorotrifluoroethane
Concen: 157.134 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 311182

Ion	Ratio	Lower	Upper
101	100		
85	43.5	0.0	88.6
151	75.1	0.0	155.8

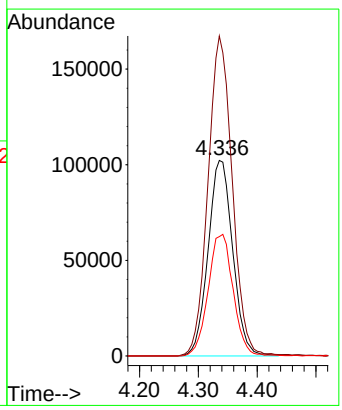


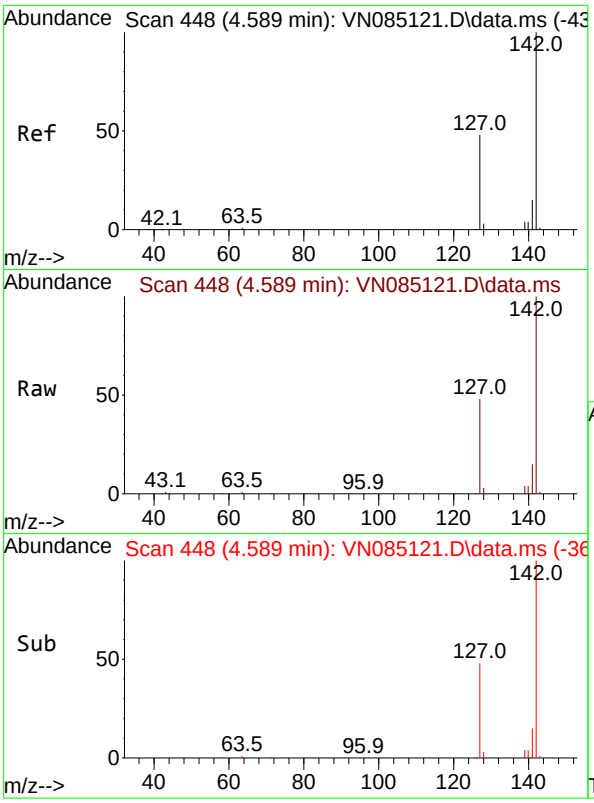


#10
1,1-Dichloroethene
Concen: 163.607 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 96 Resp: 297605

Ion	Ratio	Lower	Upper
96	100		
61	163.6	123.0	184.4
98	61.1	49.1	73.7



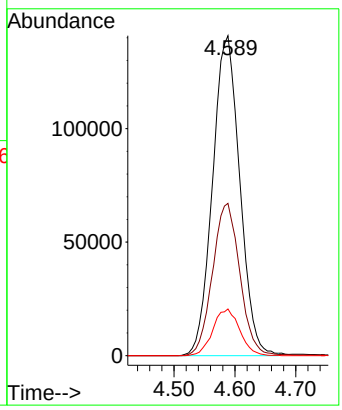


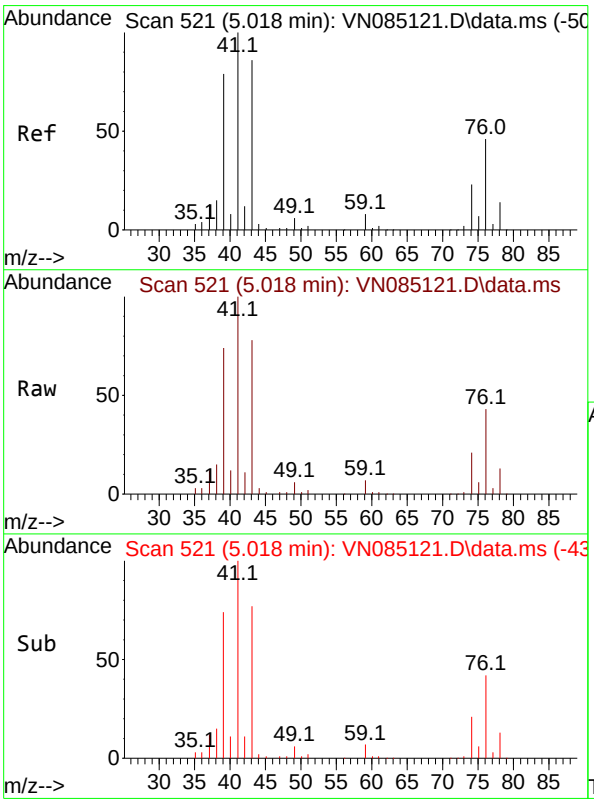
#11
Methyl Iodide
Concen: 173.477 ug/l
RT: 4.589 min Scan# 44
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:142 Resp: 437650

Ion	Ratio	Lower	Upper
142	100		
127	47.6	22.5	67.5
141	14.6	8.3	24.9

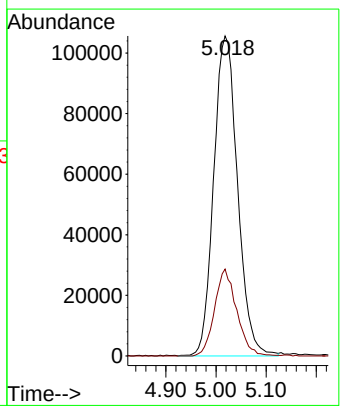


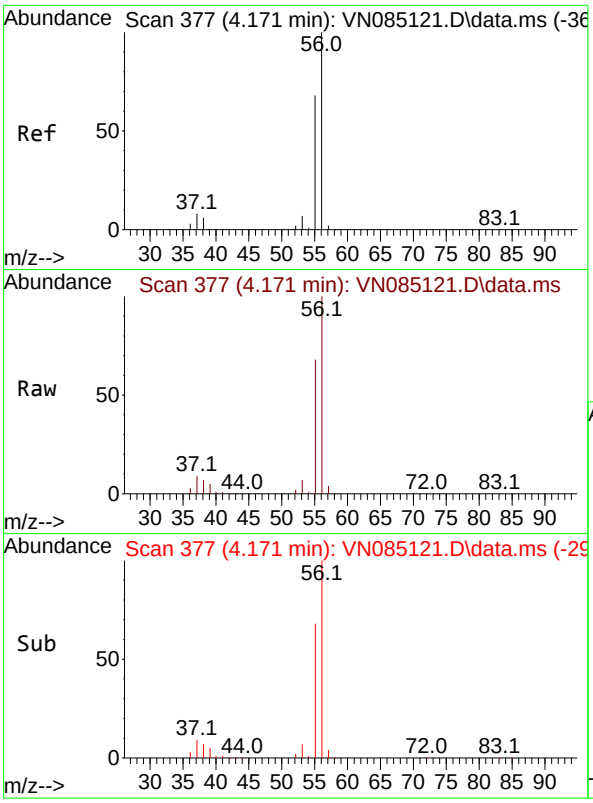


#12
Methyl Acetate
Concen: 162.608 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 43 Resp: 348950

Ion	Ratio	Lower	Upper
43	100		
74	27.2	19.8	29.6



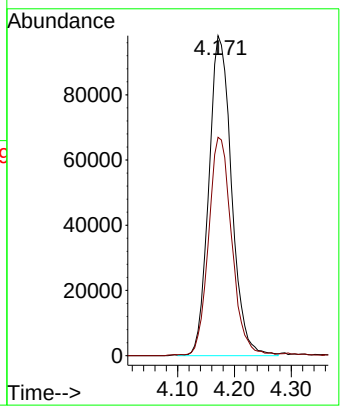


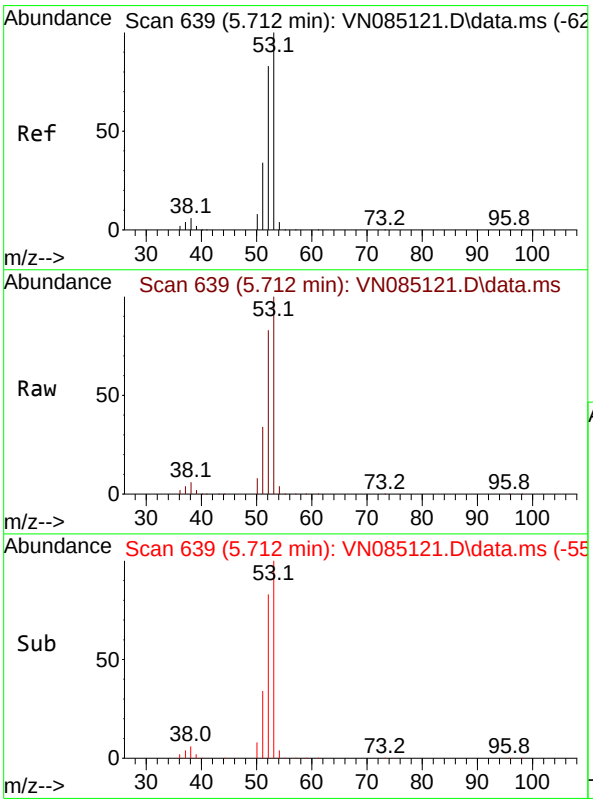
#13
Acrolein
Concen: 873.598 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.012 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 272433

Ion	Ratio	Lower	Upper
56	100		
55	69.4	59.4	89.0

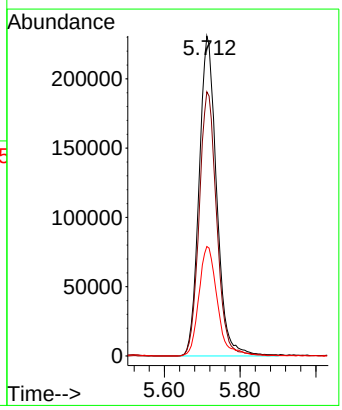


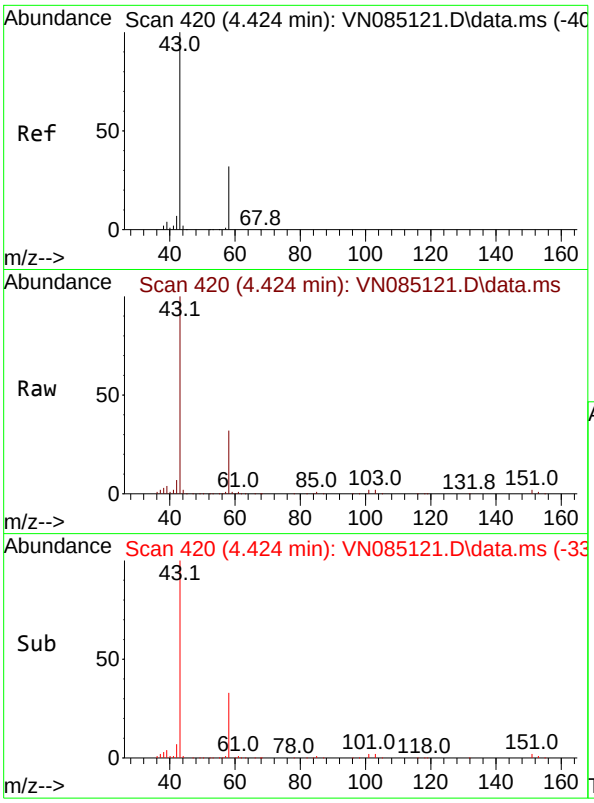


#14
Acrylonitrile
Concen: 832.848 ug/l
RT: 5.712 min Scan# 639
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 53 Resp: 742116

Ion	Ratio	Lower	Upper
53	100		
52	82.5	42.9	128.5
51	36.1	17.2	51.5



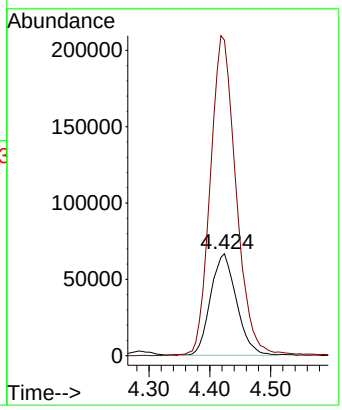


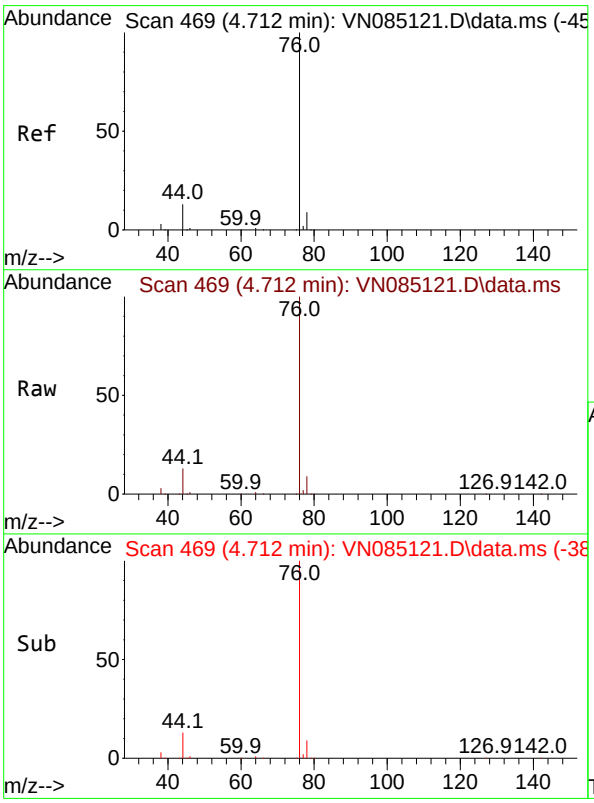
#15
Acetone
Concen: 815.641 ug/l
RT: 4.424 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 58 Resp: 196952

Ion	Ratio	Lower	Upper
58	100		
43	309.3	242.3	363.5

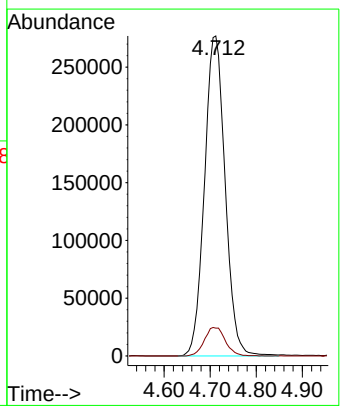


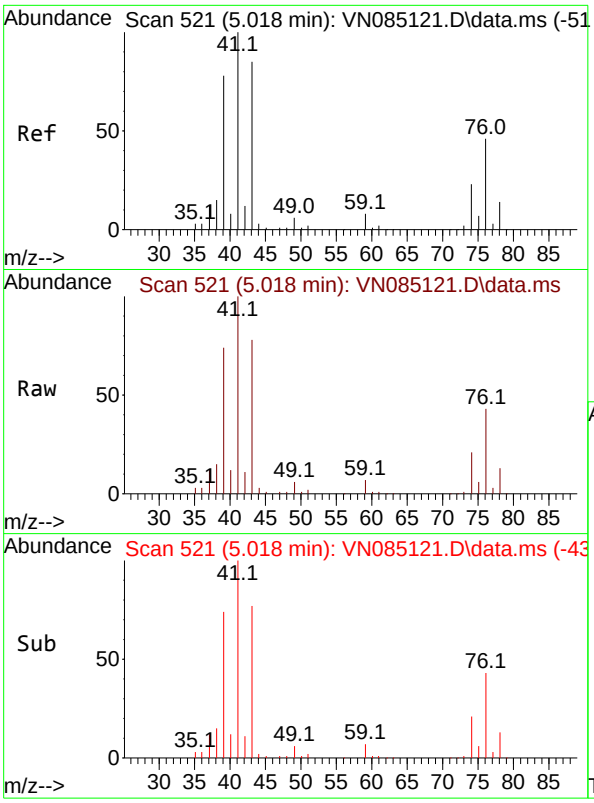


#16
Carbon Disulfide
Concen: 159.023 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 76 Resp: 864628

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.1	10.7



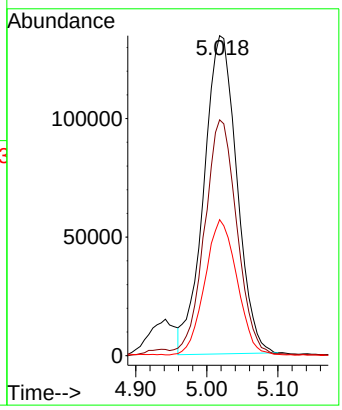


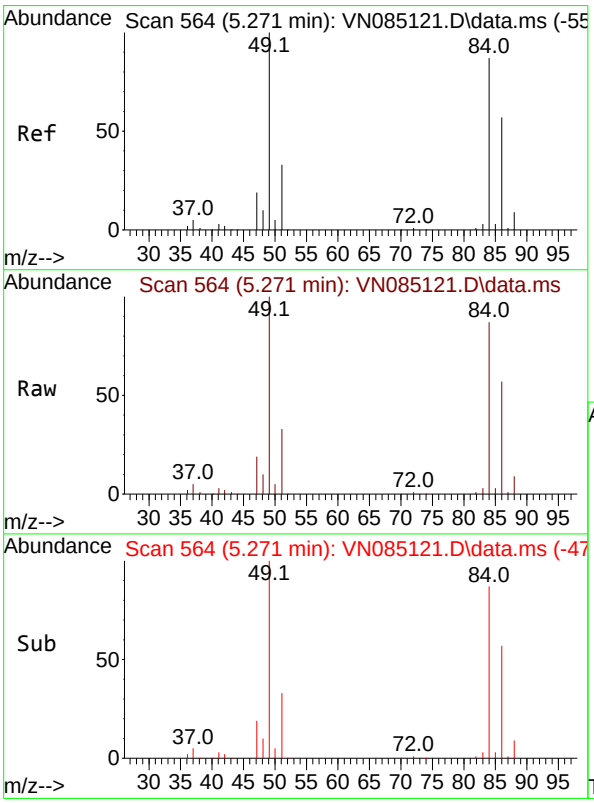
#17
Allyl chloride
Concen: 166.552 ug/l
RT: 5.018 min Scan# 5
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 433507

Ion	Ratio	Lower	Upper
41	100		
39	73.7	32.0	96.2
76	42.5	20.2	60.5

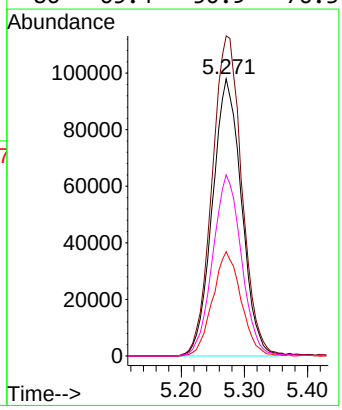


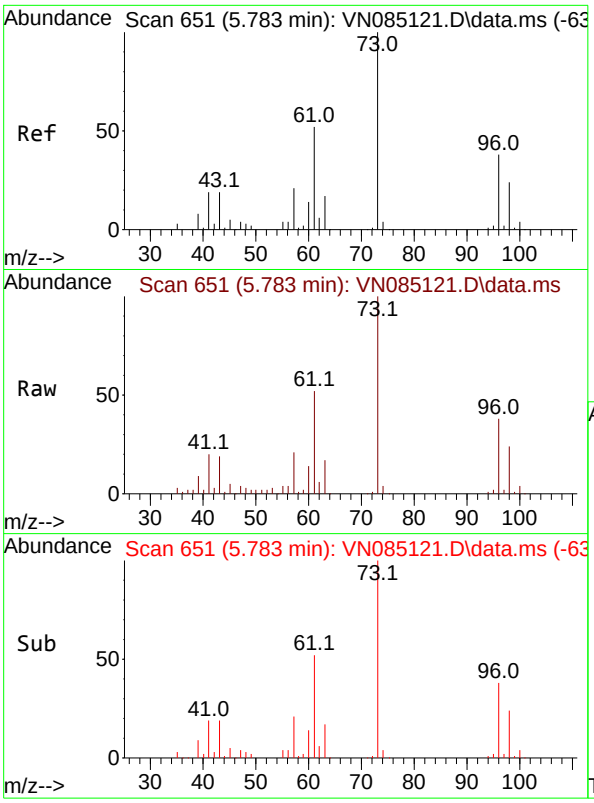


#18
Methylene Chloride
Concen: 151.985 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 84 Resp: 313694

Ion	Ratio	Lower	Upper
84	100		
49	115.5	95.1	142.7
51	37.6	27.4	41.0
86	65.4	50.9	76.3



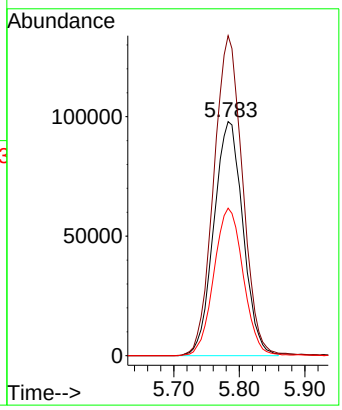


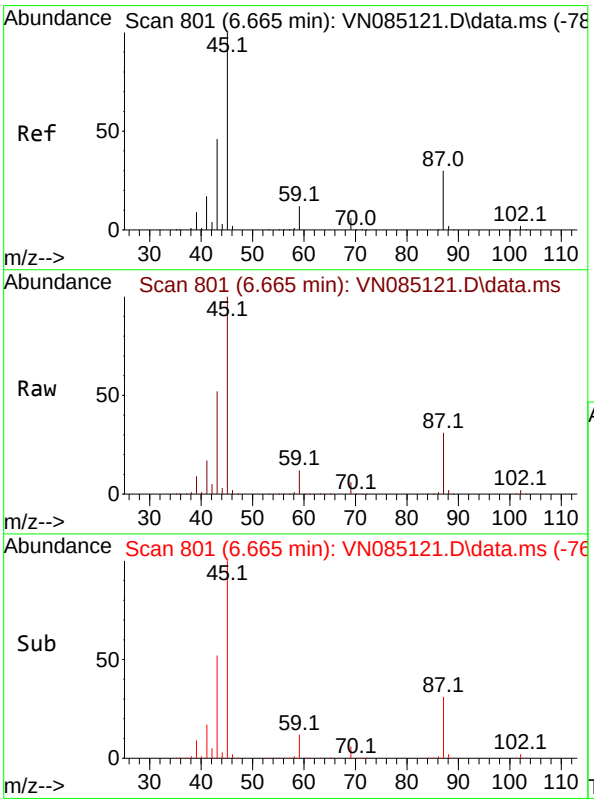
#19
trans-1,2-Dichloroethene
Concen: 160.130 ug/l
RT: 5.783 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 302760

Ion	Ratio	Lower	Upper
96	100		
61	136.5	100.4	150.6
98	63.0	52.6	79.0

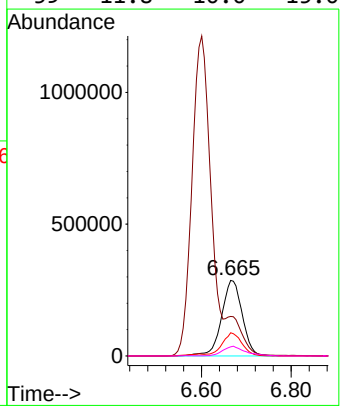


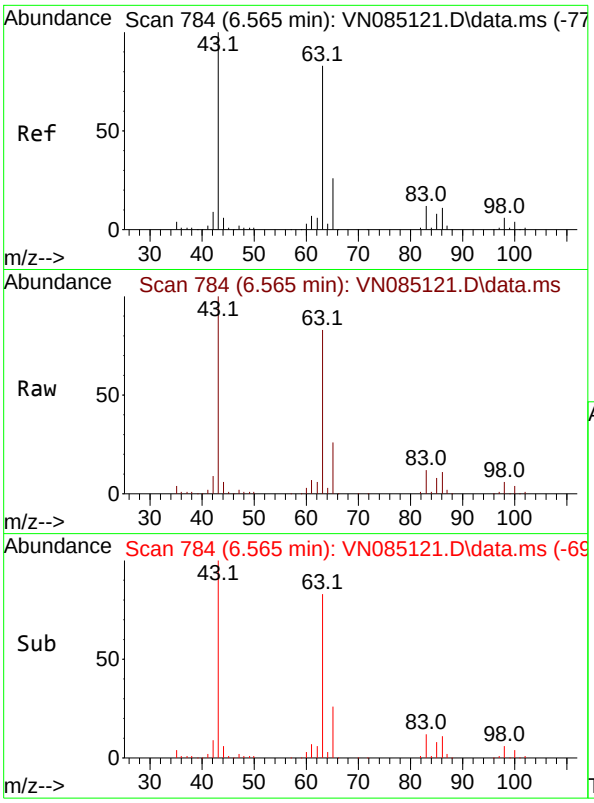


#20
Diisopropyl ether
Concen: 161.244 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 45 Resp: 921058

Ion	Ratio	Lower	Upper
45	100		
43	51.6	41.9	62.9
87	30.5	24.1	36.1
59	11.8	10.0	15.0



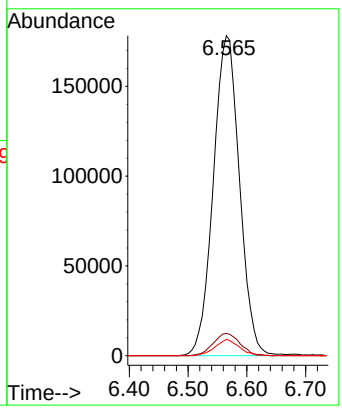


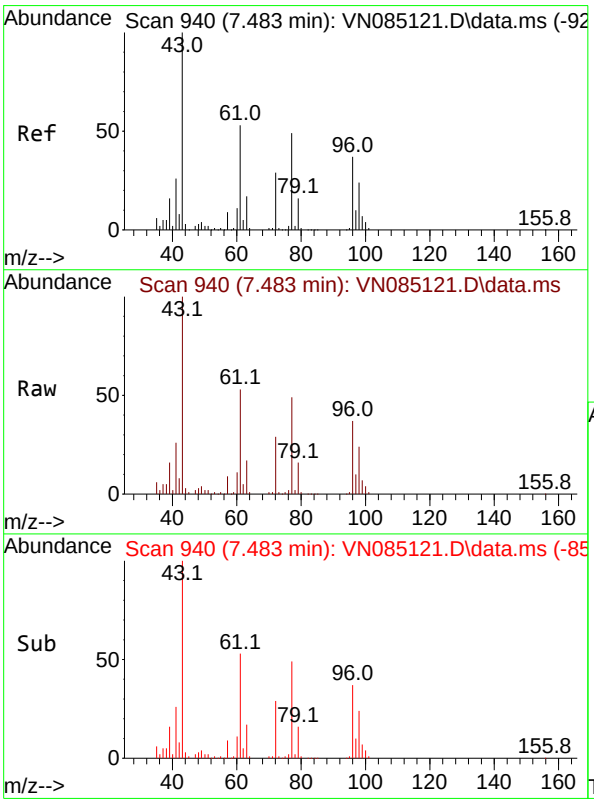
#21
1,1-Dichloroethane
Concen: 156.428 ug/l
RT: 6.565 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 551498

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.4
100	5.1	1.6	4.8#

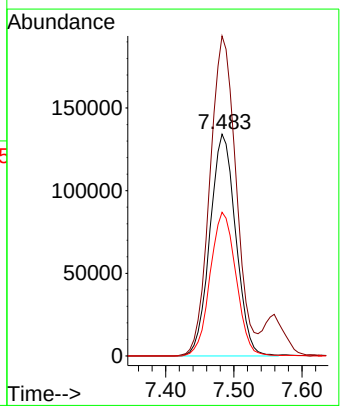


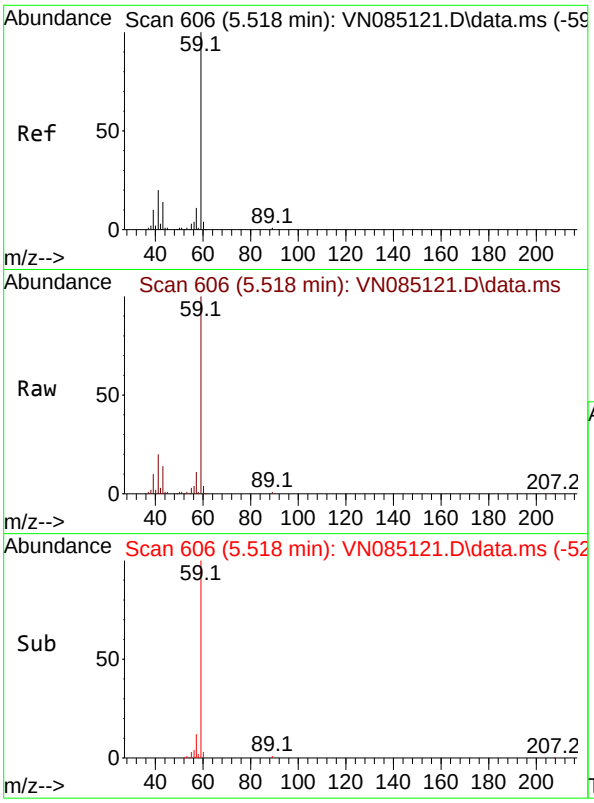


#22
cis-1,2-Dichloroethene
Concen: 162.585 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 96 Resp: 353328

Ion	Ratio	Lower	Upper
96	100		
61	147.0	115.9	173.9
98	65.0	51.8	77.8



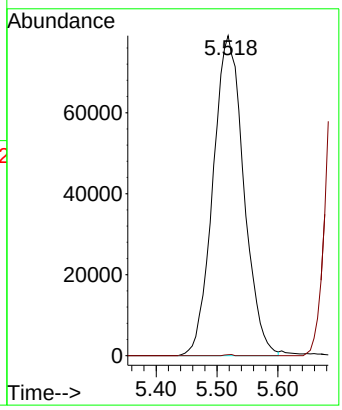


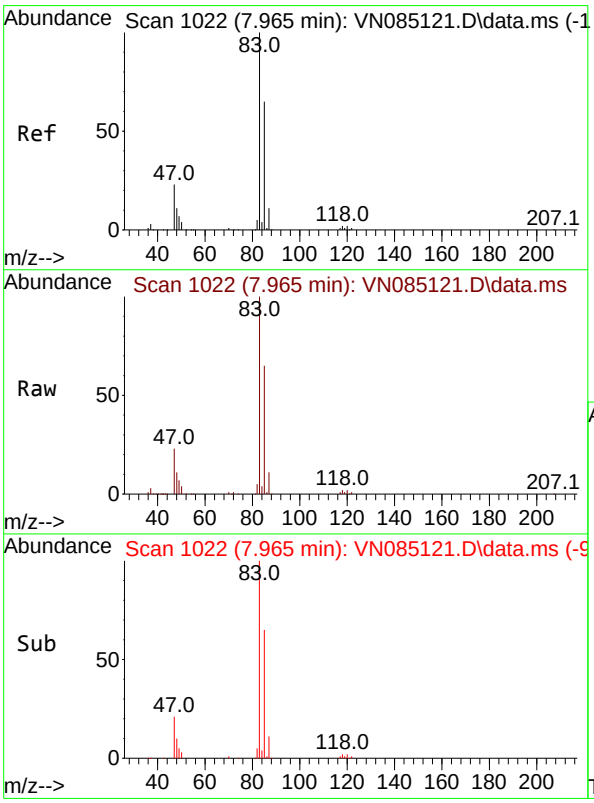
#23
tert-Butyl Alcohol
Concen: 866.490 ug/l
RT: 5.518 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 276979

Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.0	0.0#

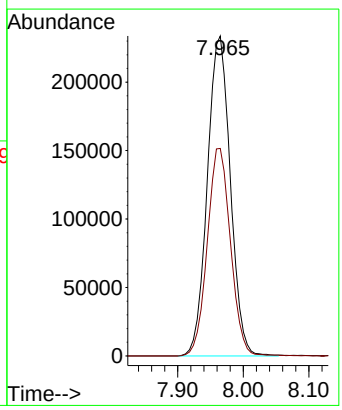


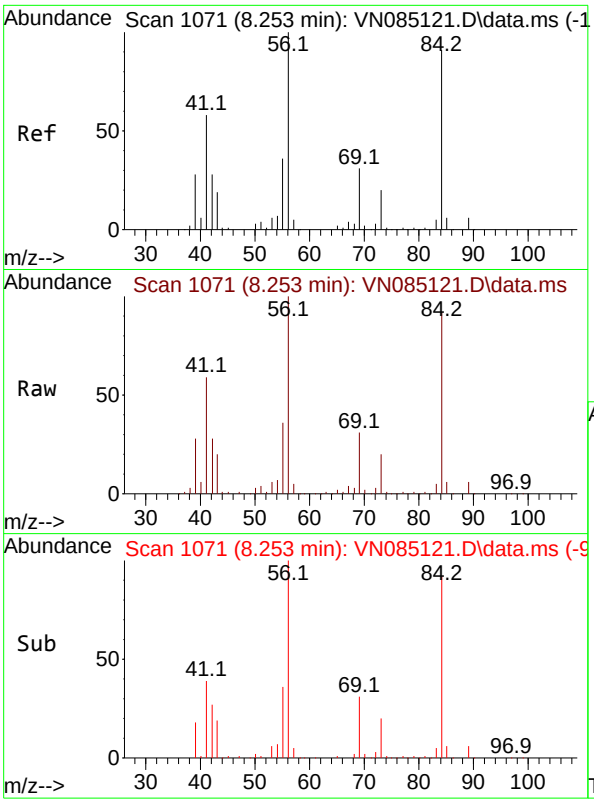


#25
Chloroform
Concen: 154.206 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 83 Resp: 569561

Ion	Ratio	Lower	Upper
83	100		
85	64.9	49.4	74.0



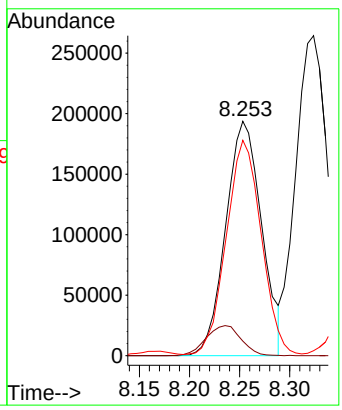


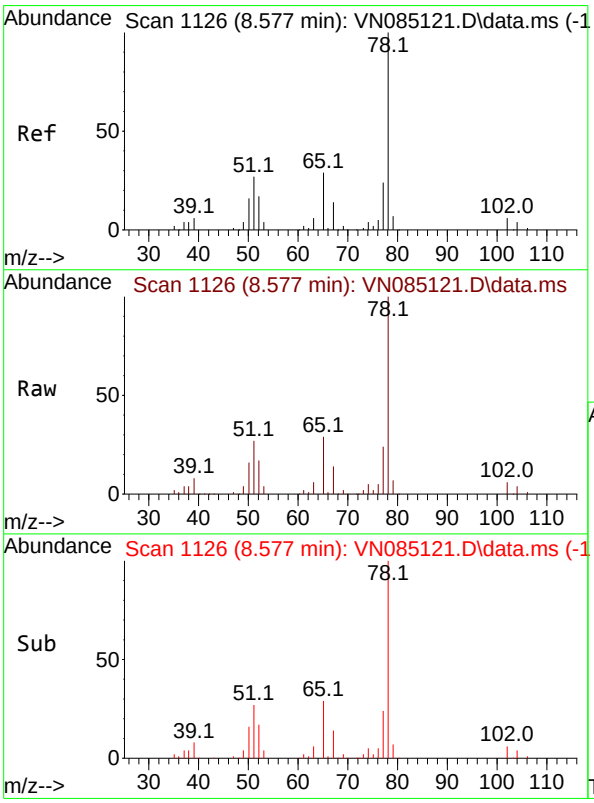
#26
Cyclohexane
Concen: 166.394 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 483028

Ion	Ratio	Lower	Upper
56	100		
89	12.6	19.5	29.3#
84	90.0	70.6	105.8

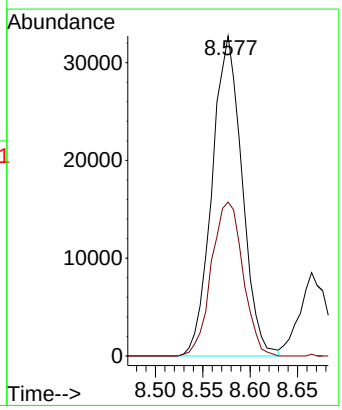


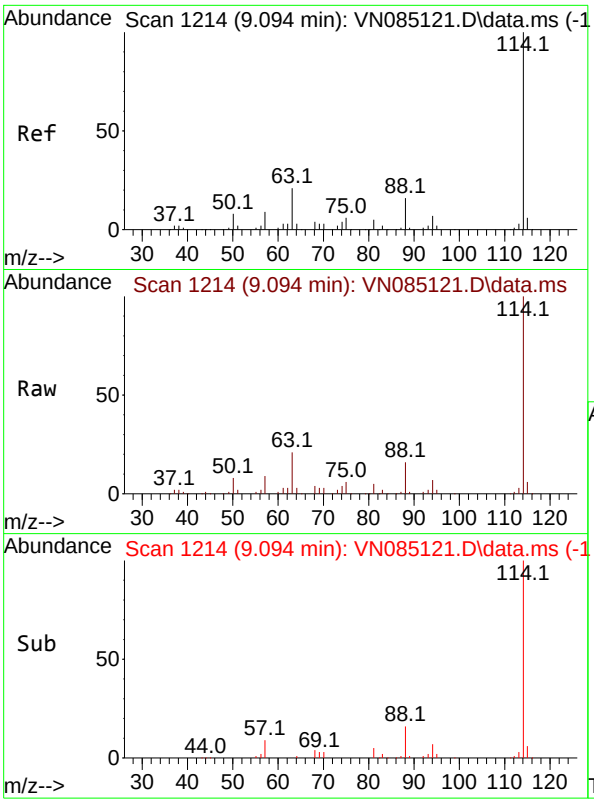


#27
1,2-Dichloroethane-d4
Concen: 30.424 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 65 Resp: 72104

Ion	Ratio	Lower	Upper
65	100		
67	50.5	39.9	59.9



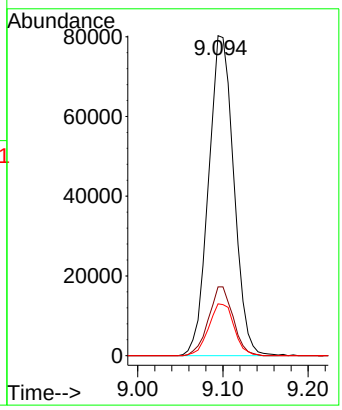


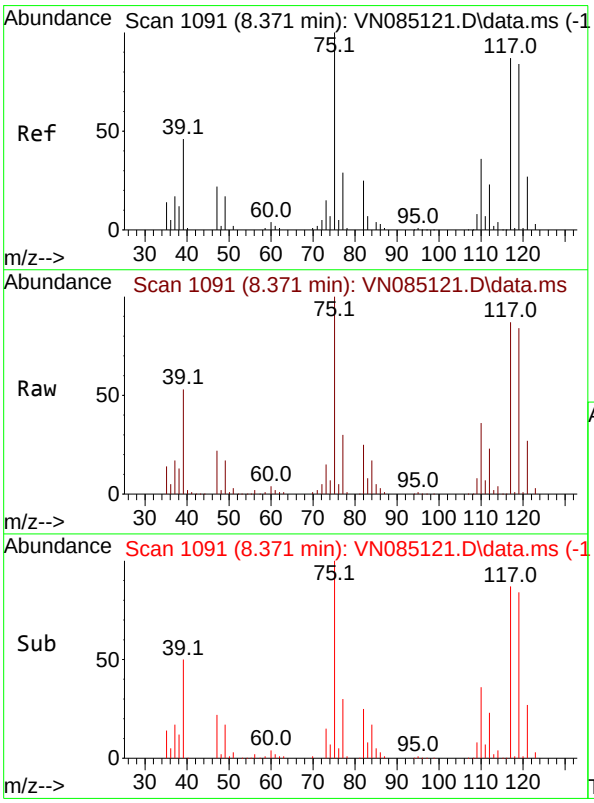
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.094 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:114 Resp: 165478

Ion	Ratio	Lower	Upper
114	100		
63	20.8	16.2	24.2
88	16.3	12.5	18.7

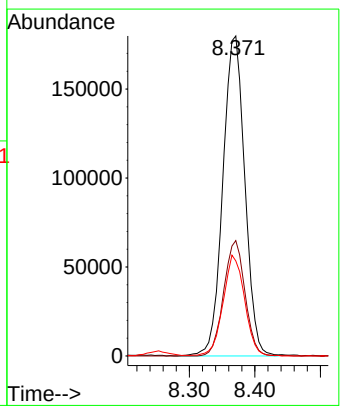


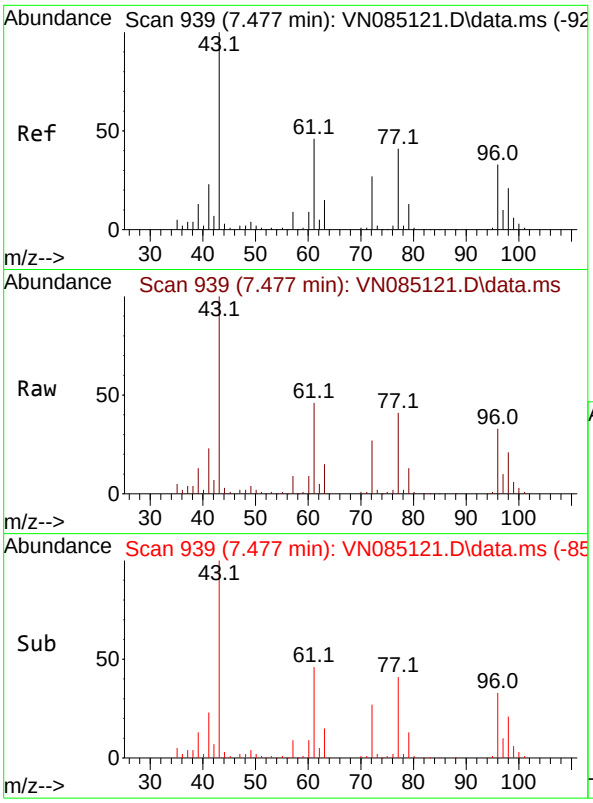


#29
1,1-Dichloropropene
Concen: 156.686 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 75 Resp: 418388

Ion	Ratio	Lower	Upper
75	100		
110	35.0	0.0	71.6
77	30.9	0.0	62.2



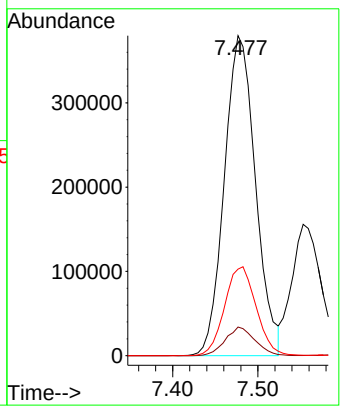


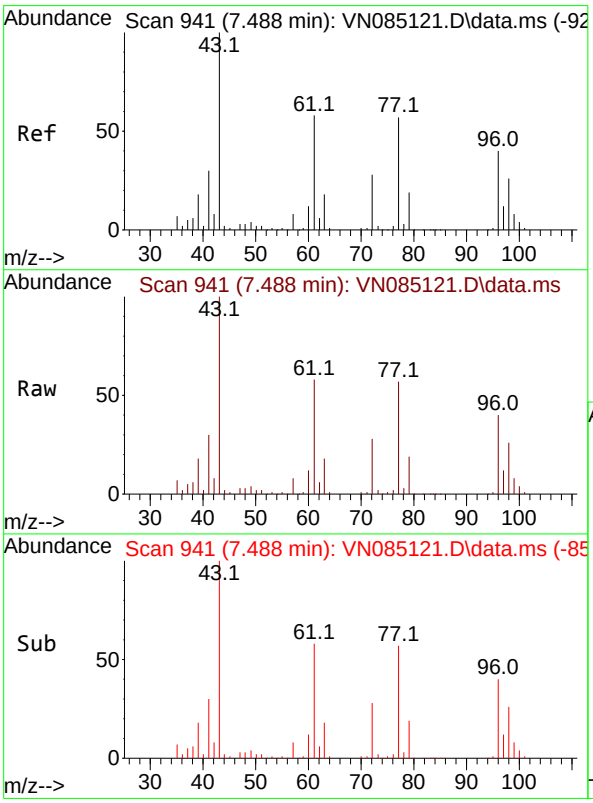
#30
2-Butanone
Concen: 789.269 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 967143

Ion	Ratio	Lower	Upper
43	100		
57	8.5	6.9	10.3
72	28.2	21.8	32.8

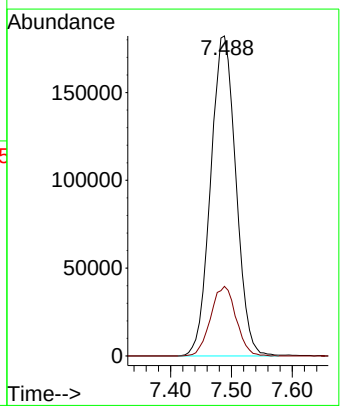


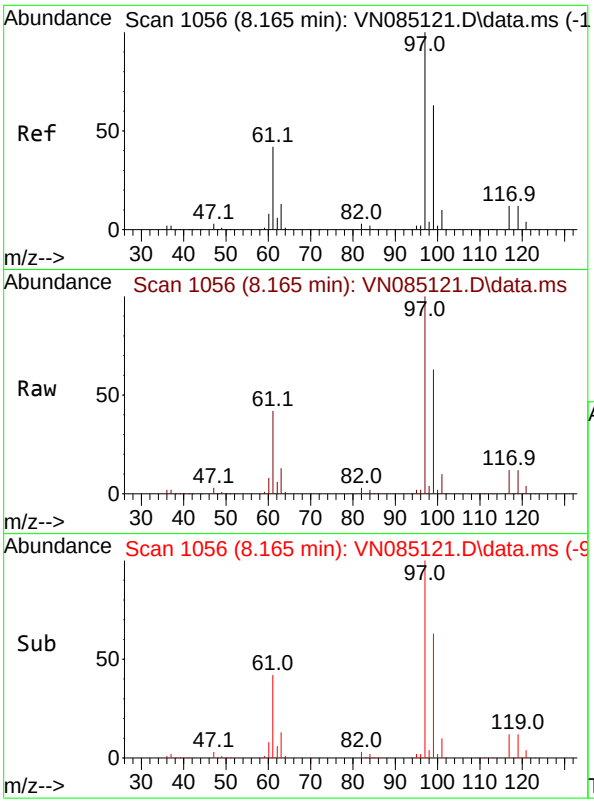


#31
2,2-Dichloropropane
Concen: 153.308 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 77 Resp: 524946

Ion	Ratio	Lower	Upper
77	100		
97	21.8	0.0	0.0#



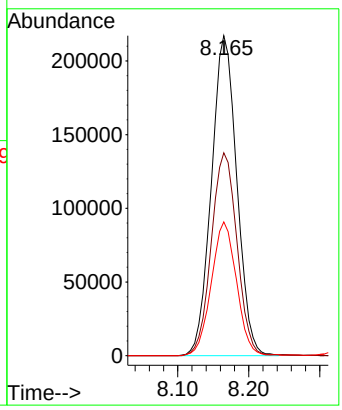


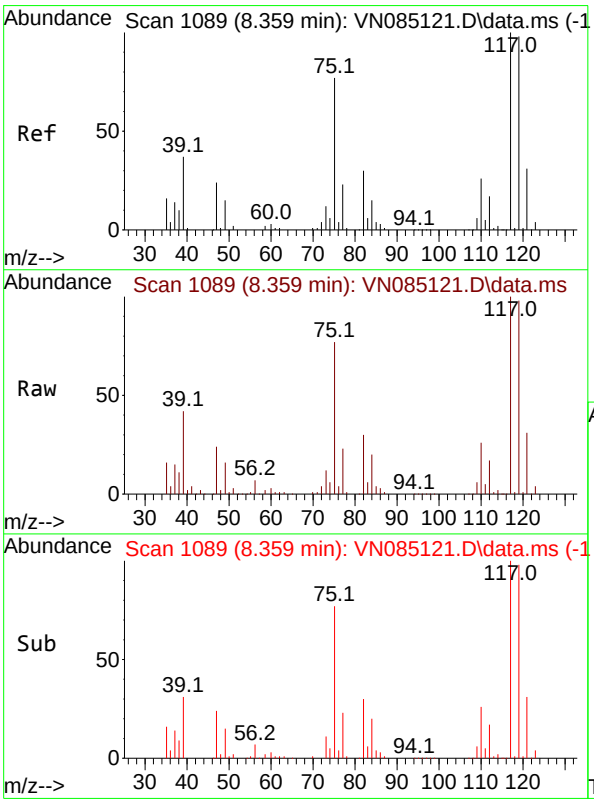
#32
1,1,1-Trichloroethane
Concen: 149.363 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 539832

Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.8	76.2
61	41.4	32.7	49.1

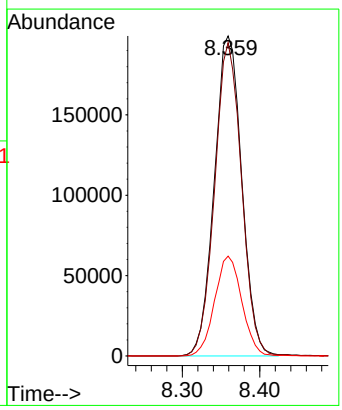


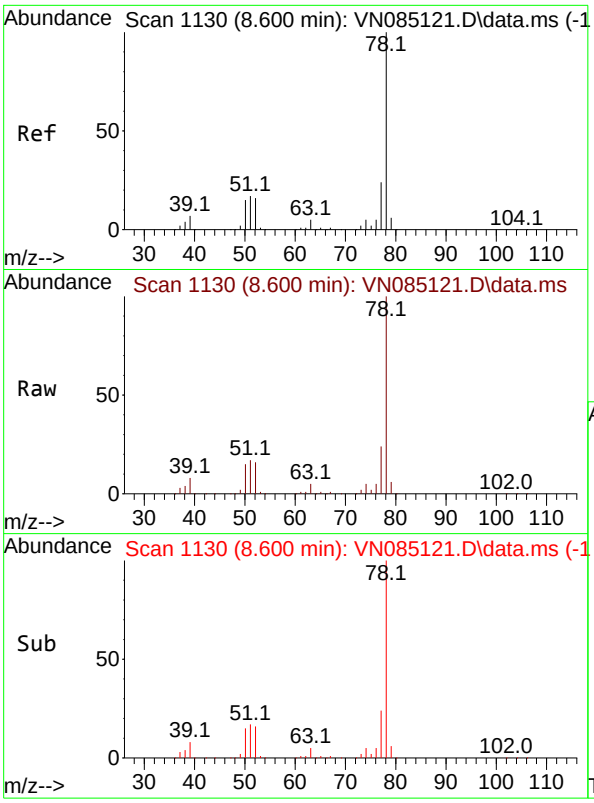


#33
Carbon Tetrachloride
Concen: 150.360 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:117 Resp: 490377

Ion	Ratio	Lower	Upper
117	100		
119	97.9	81.6	122.4
121	31.2	26.5	39.7



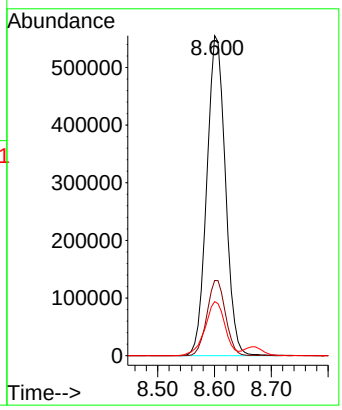


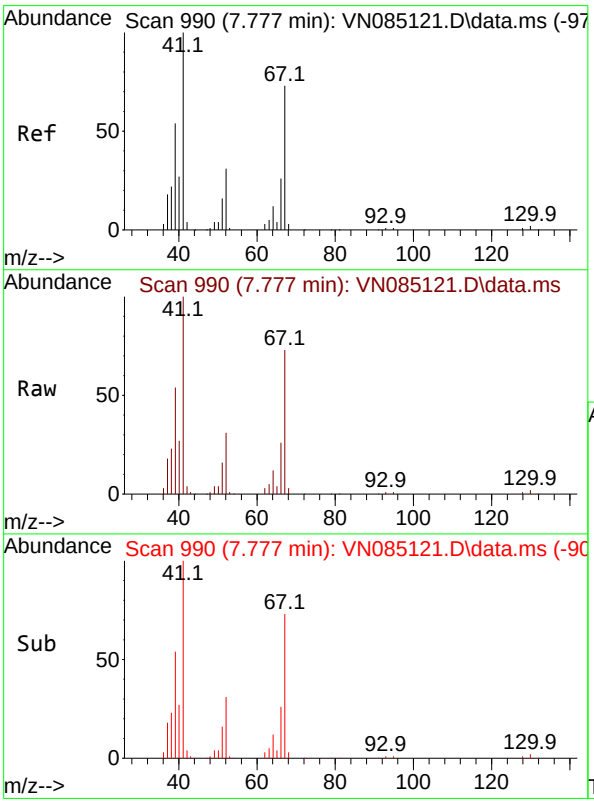
#34
Benzene
Concen: 150.194 ug/l
RT: 8.600 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 78 Resp: 1259887

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.0	27.0
51	16.8	12.4	18.6

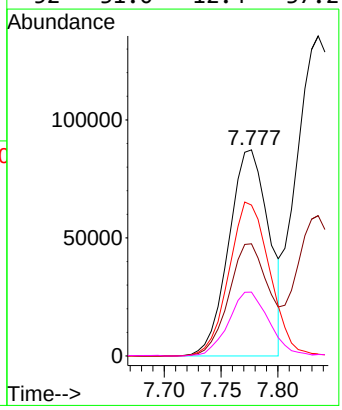


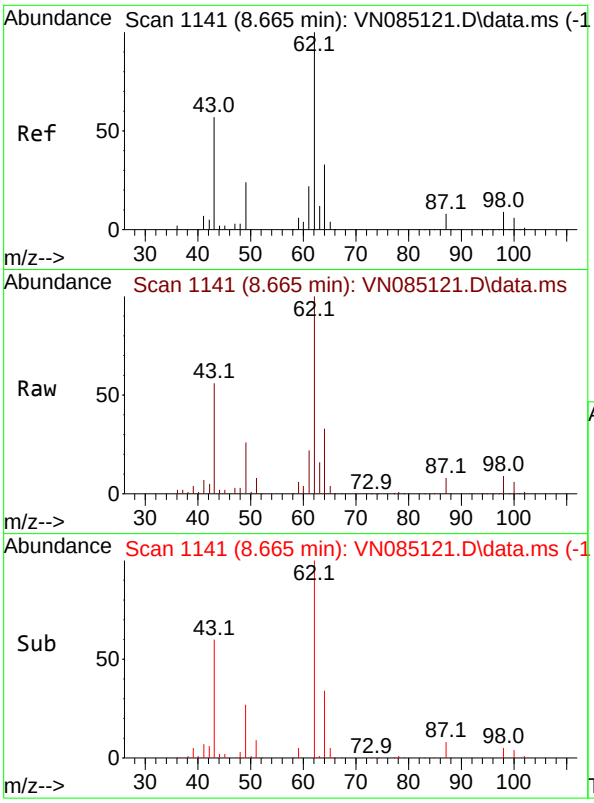


#35
Methacrylonitrile
Concen: 156.078 ug/l
RT: 7.777 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 41 Resp: 215224

Ion	Ratio	Lower	Upper
41	100		
39	54.3	24.4	73.2
67	73.2	37.0	110.9
52	31.0	12.4	37.2



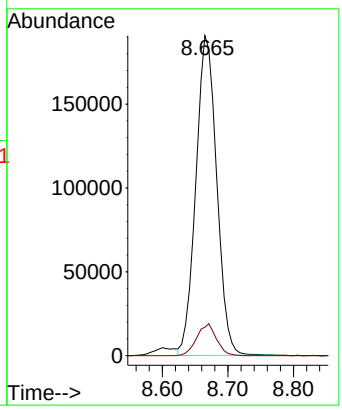


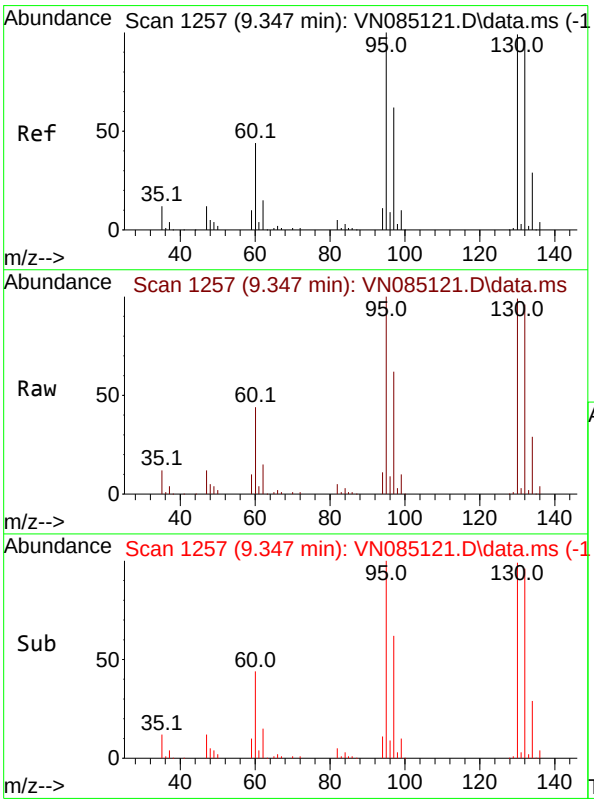
#36
1,2-Dichloroethane
Concen: 147.830 ug/l
RT: 8.665 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 62 Resp: 422140

Ion	Ratio	Lower	Upper
62	100		
98	9.4	7.3	10.9

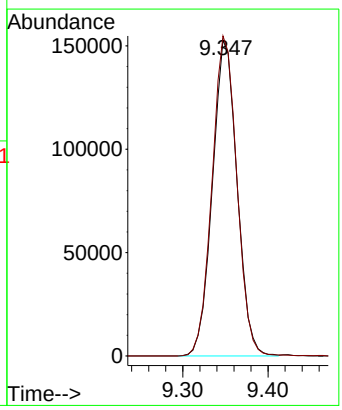


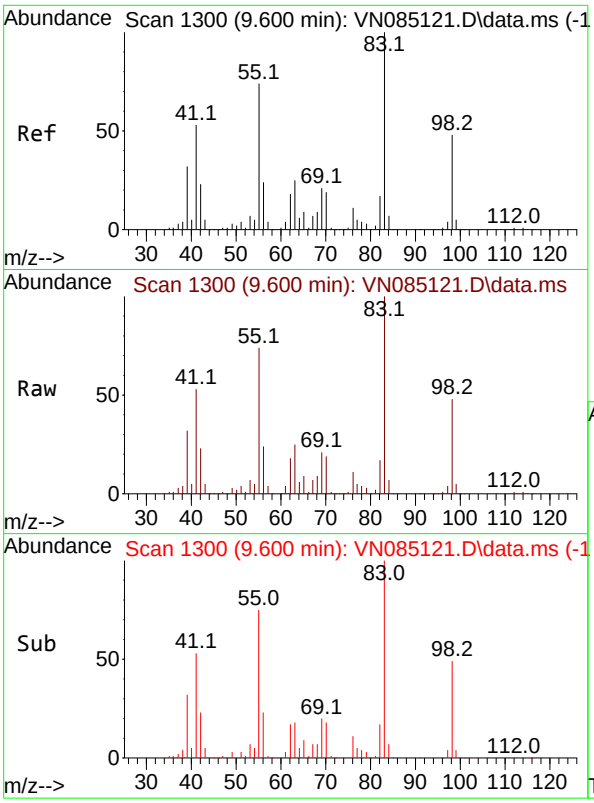


#37
Trichloroethene
Concen: 153.593 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:130 Resp: 306812

Ion	Ratio	Lower	Upper
130	100		
95	101.3	76.2	114.4



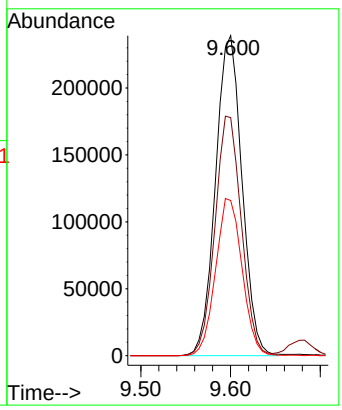


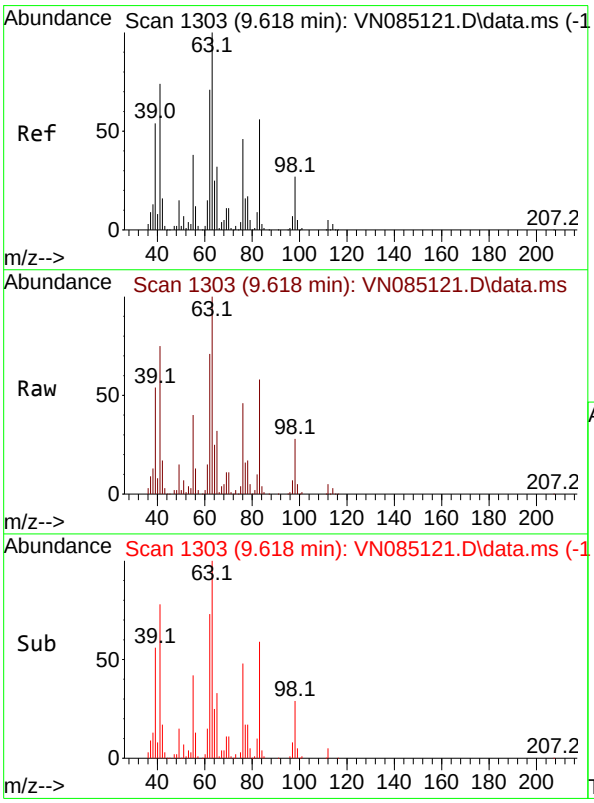
#38
Methylcyclohexane
Concen: 168.903 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 490389

Ion	Ratio	Lower	Upper
83	100		
55	74.7	41.4	124.4
98	49.2	25.7	77.1

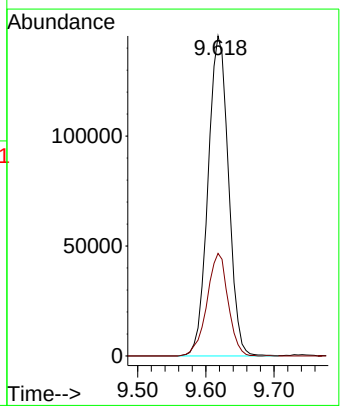


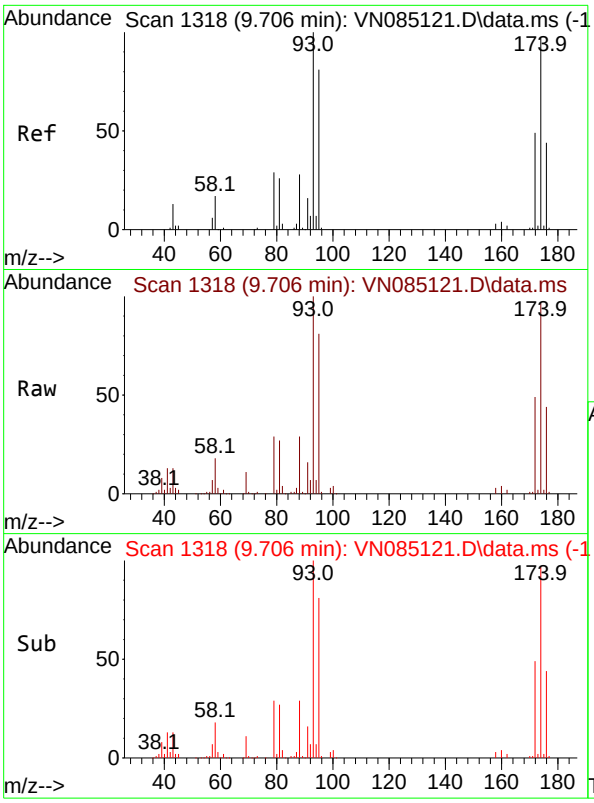


#39
1,2-Dichloropropane
Concen: 149.691 ug/l
RT: 9.618 min Scan# 1303
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 63 Resp: 304138

Ion	Ratio	Lower	Upper
63	100		
65	32.1	23.4	35.0



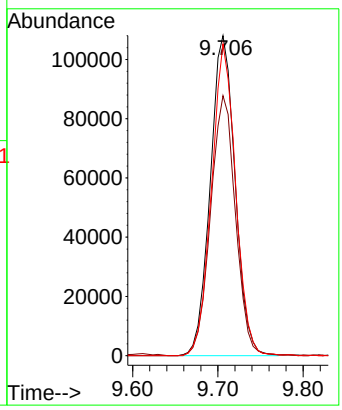


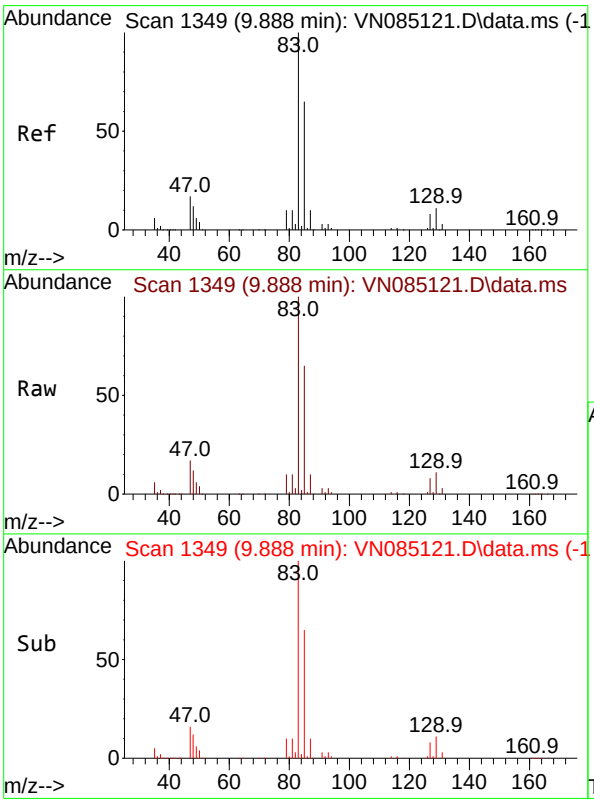
#40
Dibromomethane
Concen: 149.905 ug/l
RT: 9.706 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 93 Resp: 218470

Ion	Ratio	Lower	Upper
93	100		
95	81.5	0.0	169.4
174	94.5	0.0	189.8

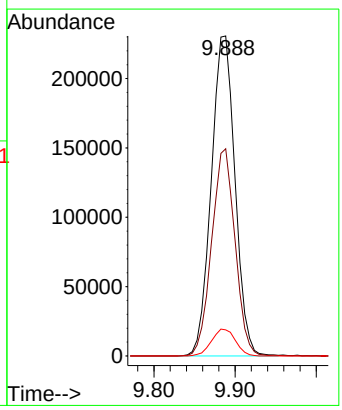


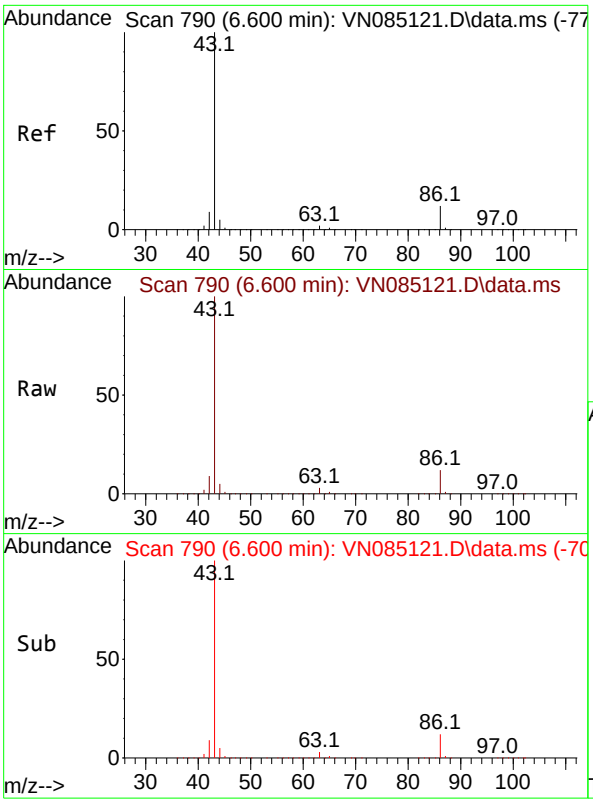


#41
Bromodichloromethane
Concen: 150.750 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 83 Resp: 469670

Ion	Ratio	Lower	Upper
83	100		
85	64.7	54.6	81.8
127	8.2	7.0	10.6



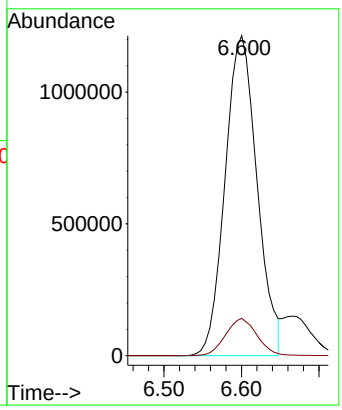


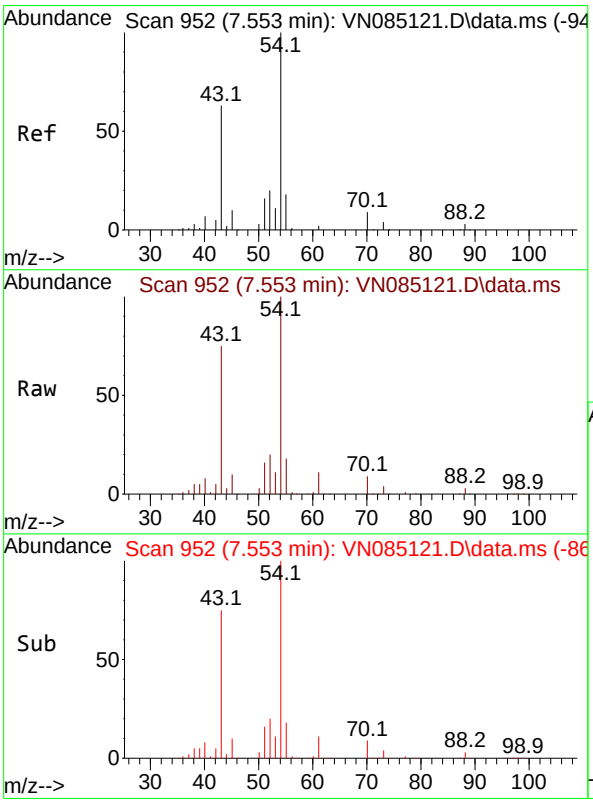
#42
Vinyl Acetate
Concen: 814.821 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 3493830

Ion	Ratio	Lower	Upper
43	100		
86	11.5	9.2	13.8

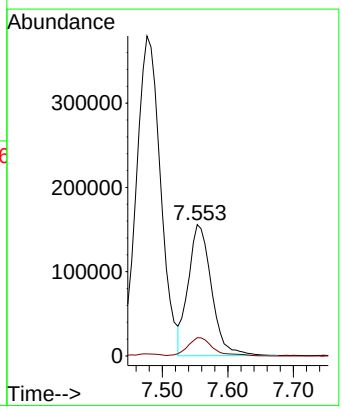


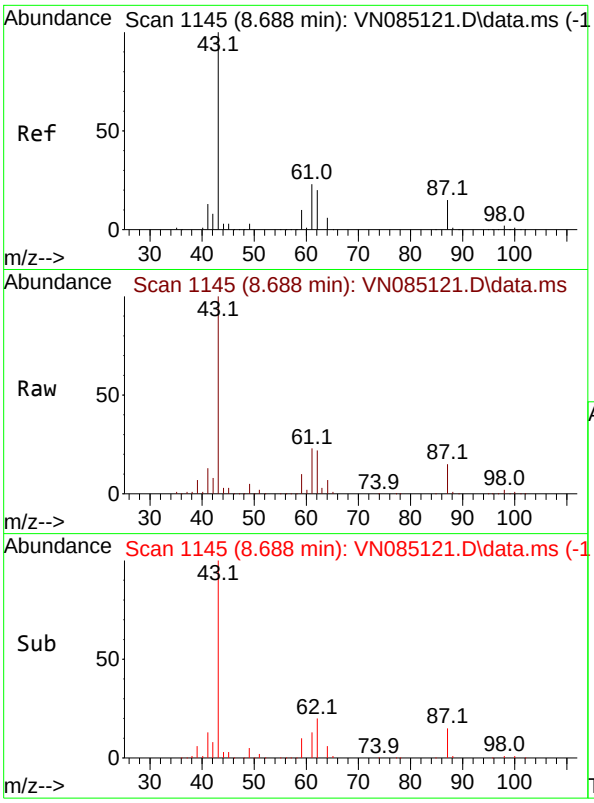


#43
Ethyl Acetate
Concen: 156.937 ug/l
RT: 7.553 min Scan# 952
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 43 Resp: 382630

Ion	Ratio	Lower	Upper
43	100		
45	14.9	13.3	19.9



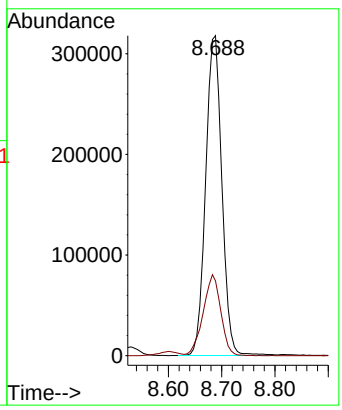


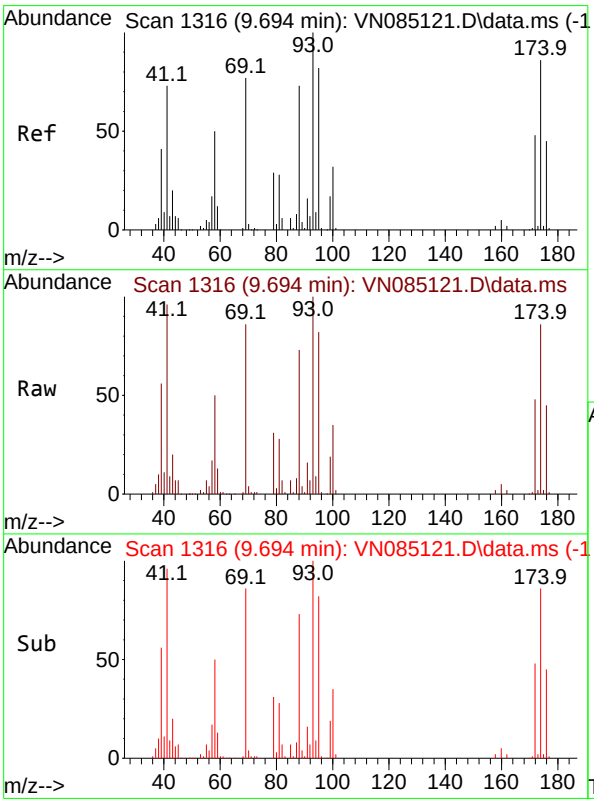
#44
Isopropyl Acetate
Concen: 158.696 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 672392

Ion	Ratio	Lower	Upper
43	100		
61	27.5	21.5	32.3

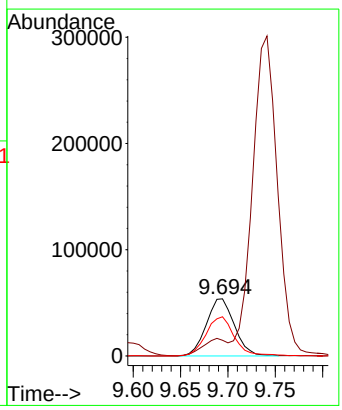


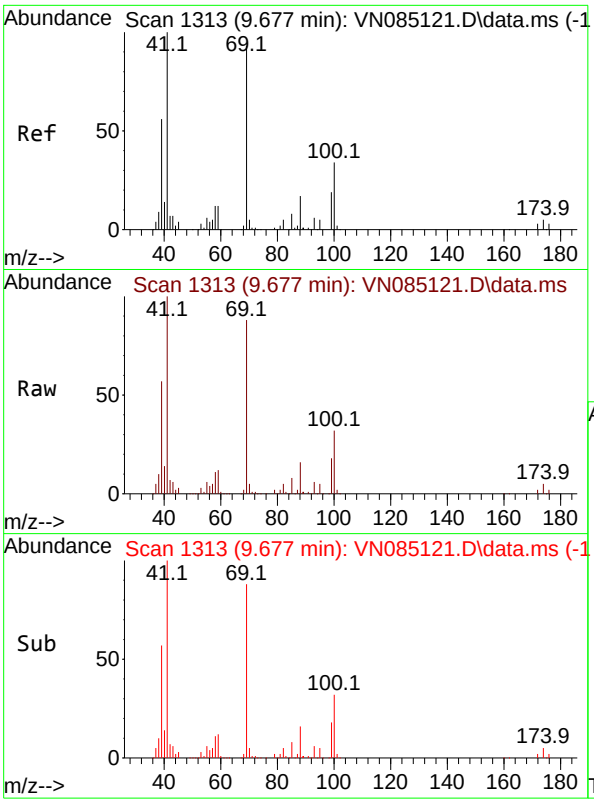


#45
1,4-Dioxane
Concen: 3147.777 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 88 Resp: 111218

Ion	Ratio	Lower	Upper
88	100		
43	25.9	21.7	32.5
58	69.4	52.6	79.0



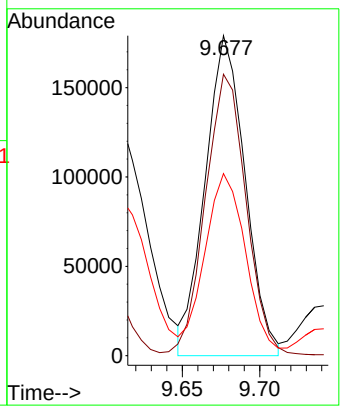


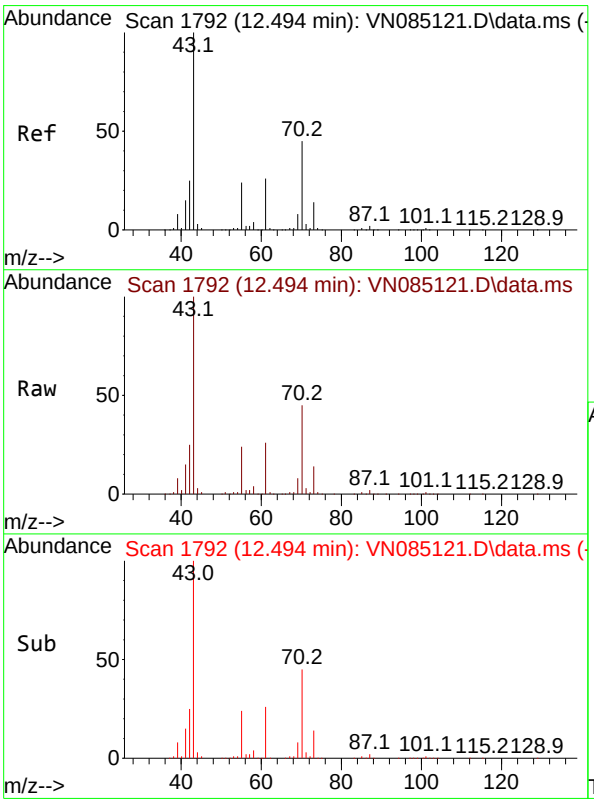
#46
Methyl methacrylate
Concen: 165.471 ug/l
RT: 9.677 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 320862

Ion	Ratio	Lower	Upper
41	100		
69	88.7	46.7	140.0
39	56.7	28.5	85.5

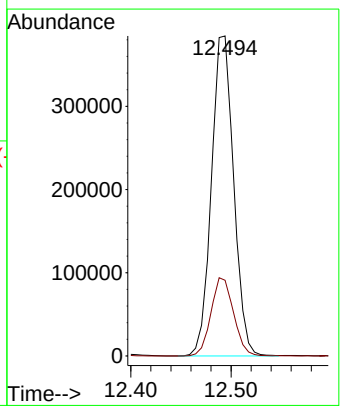


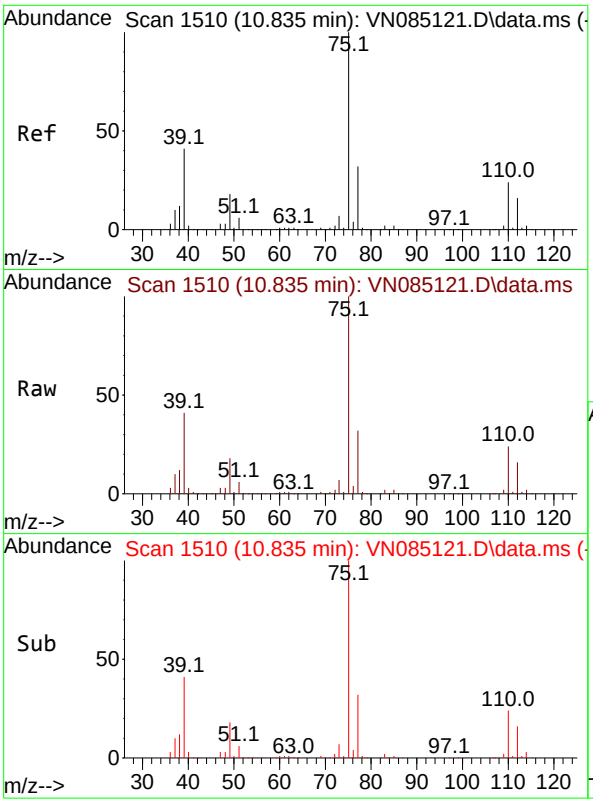


#47
n-amyl Acetate
Concen: 166.246 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 43 Resp: 592642

Ion	Ratio	Lower	Upper
43	100		
55	24.8	23.3	34.9



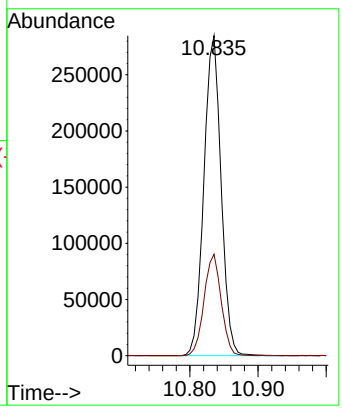


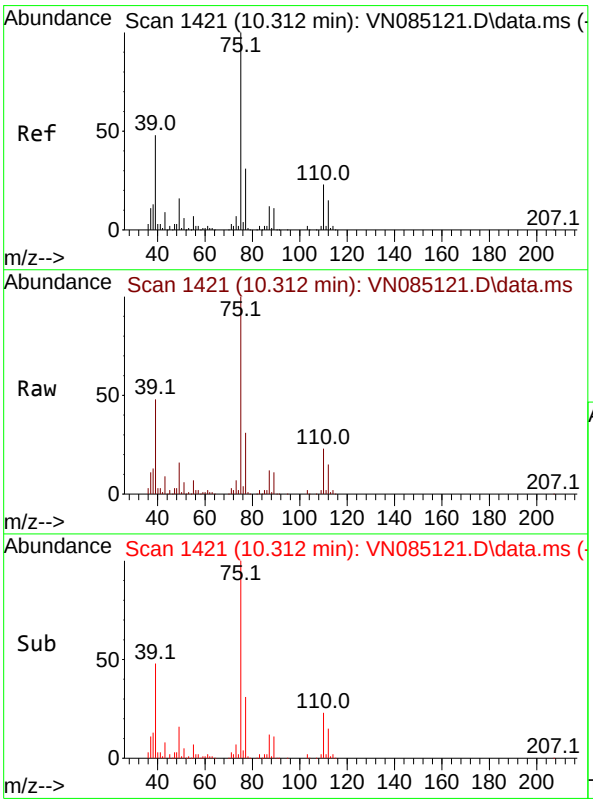
#48
t-1,3-Dichloropropene
Concen: 163.202 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 499133

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.5	38.3

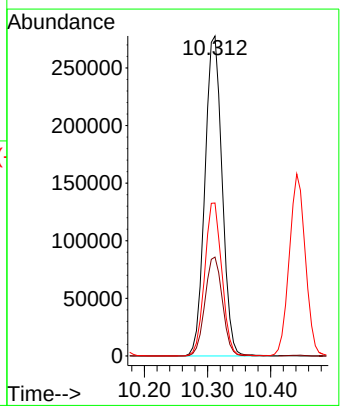


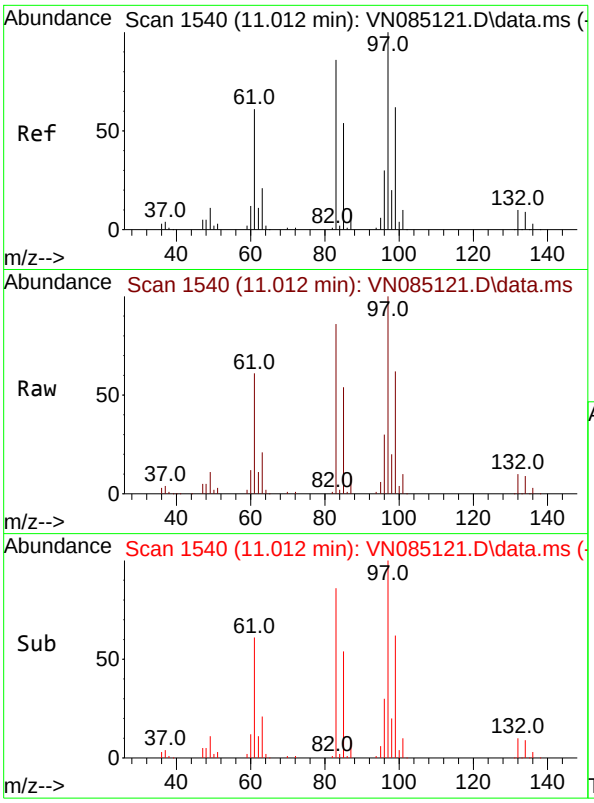


#49
cis-1,3-Dichloropropene
Concen: 157.986 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 75 Resp: 525997

Ion	Ratio	Lower	Upper
75	100		
77	30.9	23.8	35.6
39	47.7	37.3	55.9



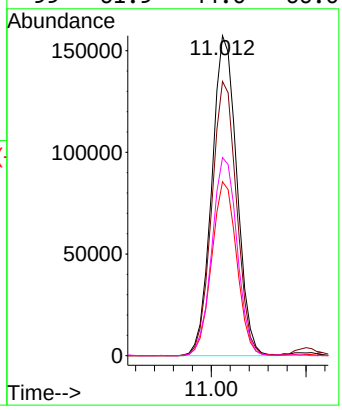


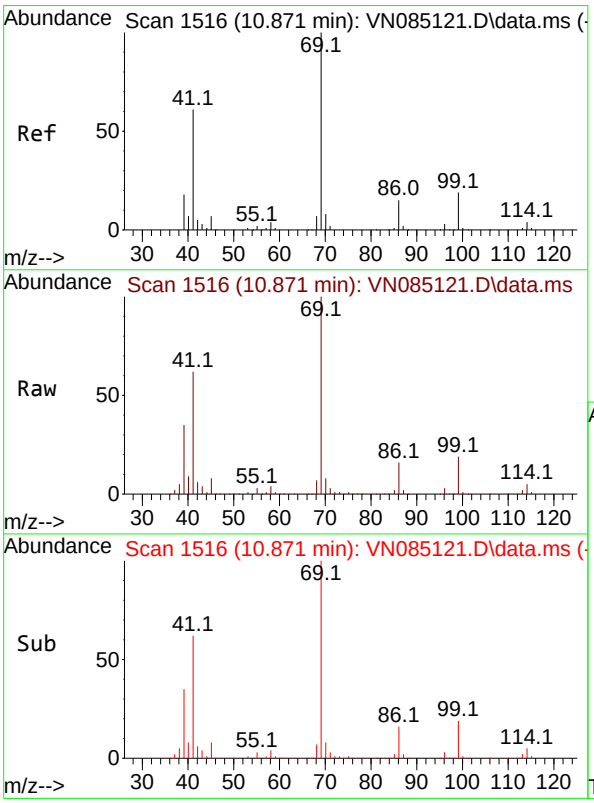
#50
1,1,2-Trichloroethane
Concen: 147.159 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 289001

Ion	Ratio	Lower	Upper
97	100		
83	85.7	65.8	98.8
85	54.3	40.8	61.2
99	61.9	44.0	66.0

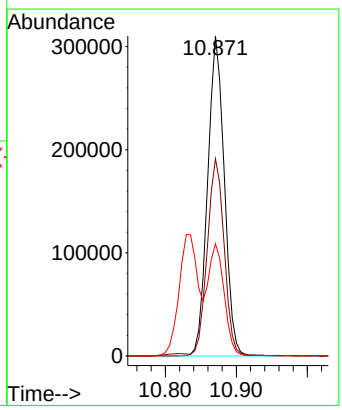


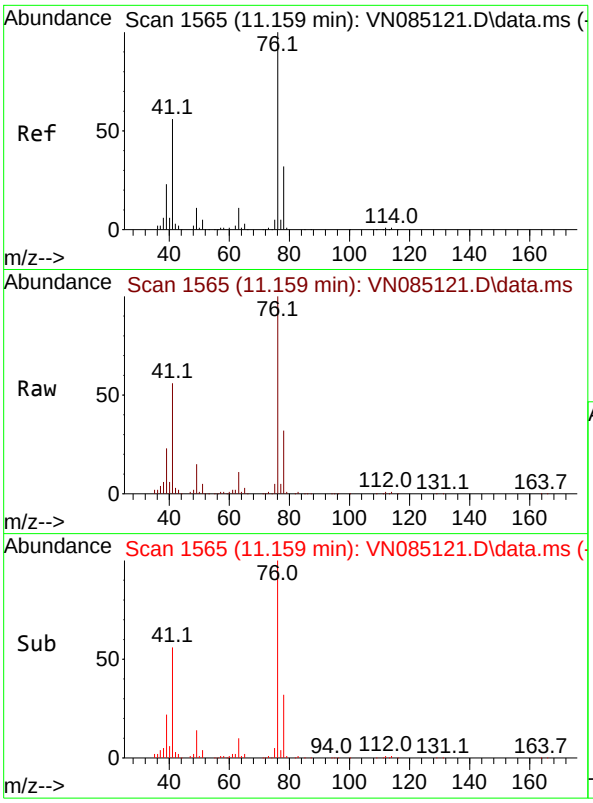


#51
Ethyl methacrylate
Concen: 169.495 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 69 Resp: 506274

Ion	Ratio	Lower	Upper
69	100		
41	61.4	32.1	96.3
39	35.0	18.8	56.4



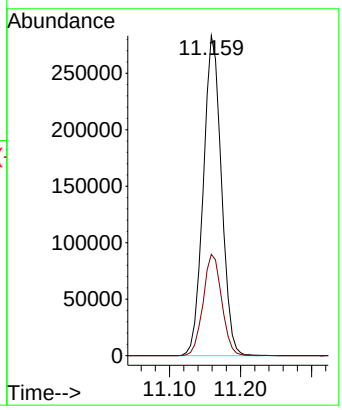


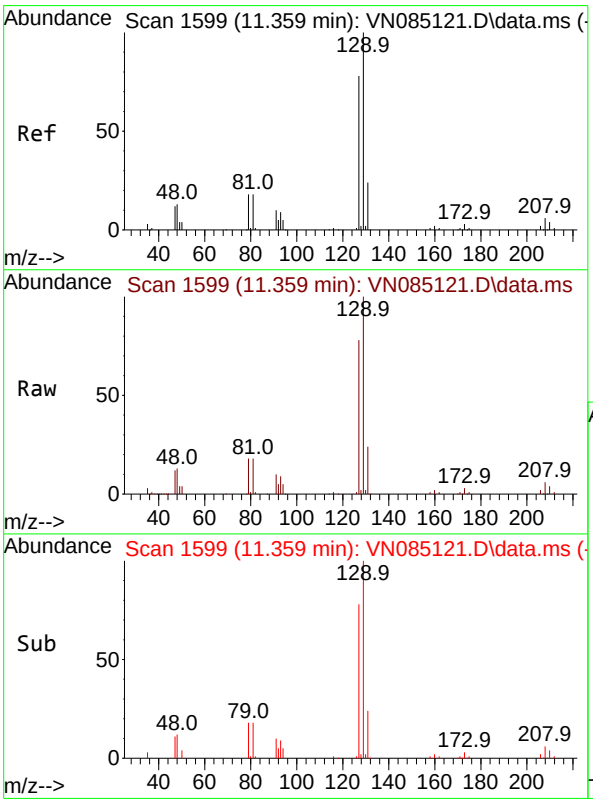
#52
1,3-Dichloropropane
Concen: 152.638 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 501665

Ion	Ratio	Lower	Upper
76	100		
78	32.5	0.0	65.6

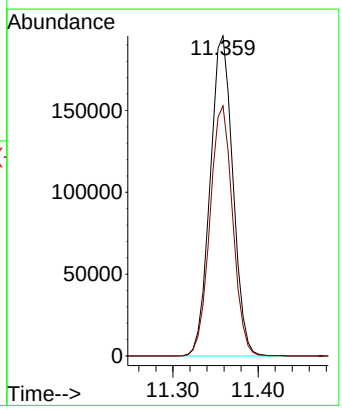


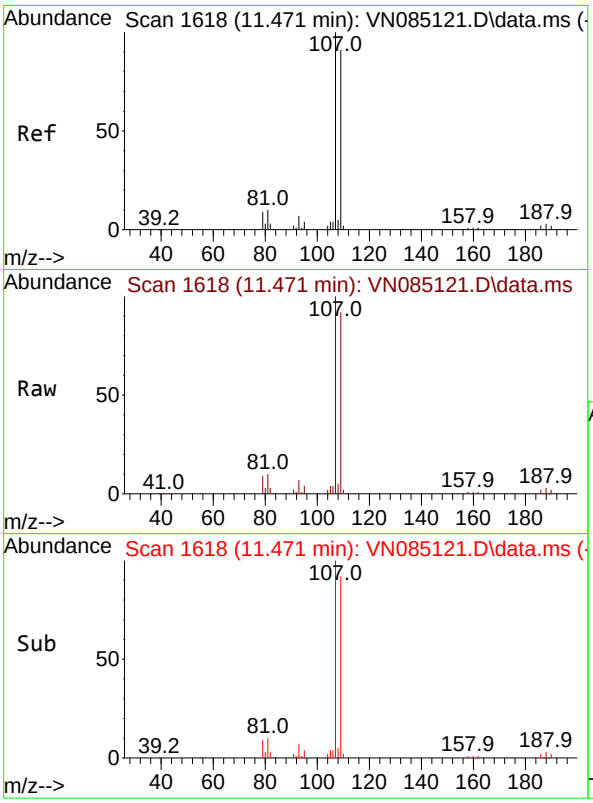


#53
Dibromochloromethane
Concen: 151.395 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:129 Resp: 362326

Ion	Ratio	Lower	Upper
129	100		
127	78.1	37.3	111.9



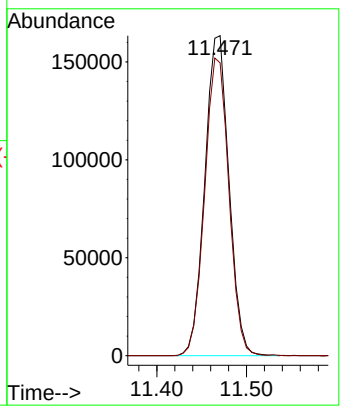


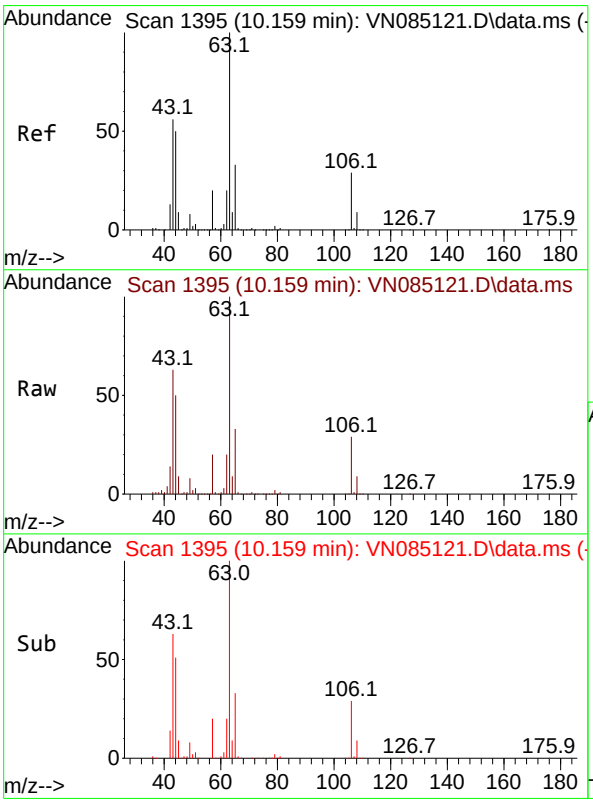
#54
1,2-Dibromoethane
Concen: 154.261 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 305232

Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.2	112.8

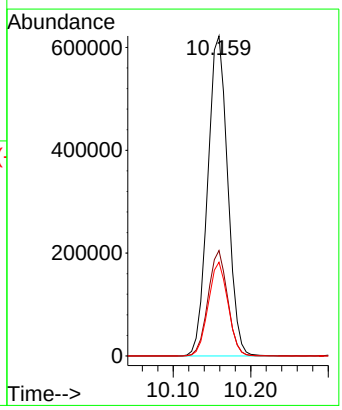


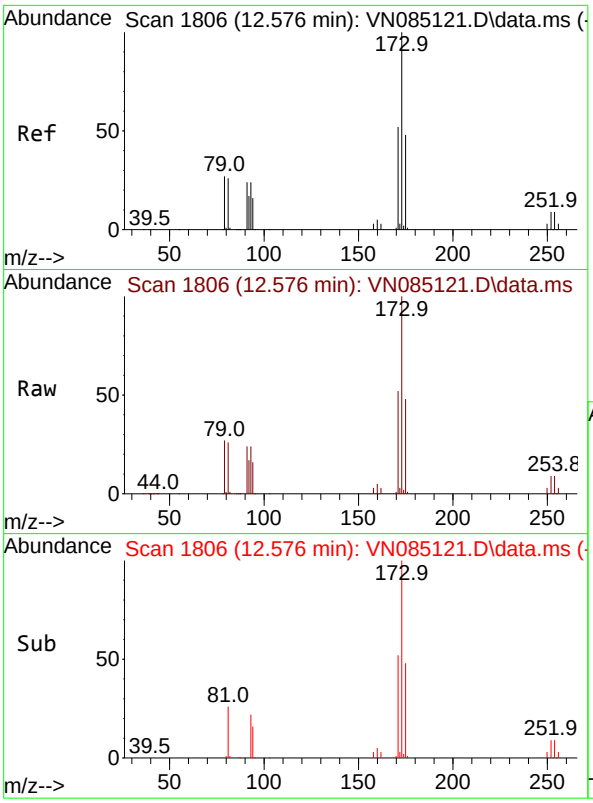


#55
2-Chloroethyl vinyl ether
Concen: 801.795 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 63 Resp: 1112538

Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.9	38.9
106	28.9	23.5	35.3



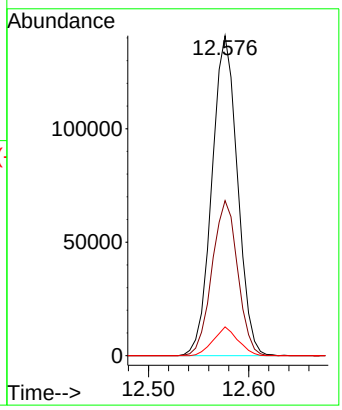


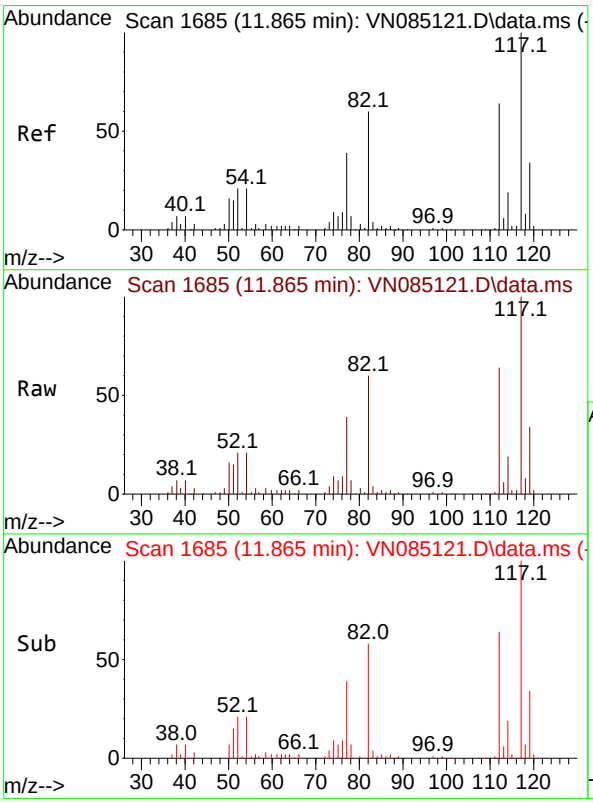
#56
Bromoform
Concen: 155.551 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 249601

Ion	Ratio	Lower	Upper
173	100		
175	48.6	40.2	60.2
254	8.7	6.2	9.4

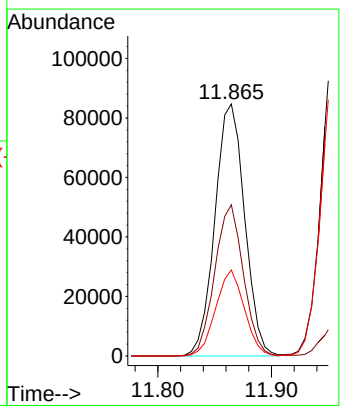


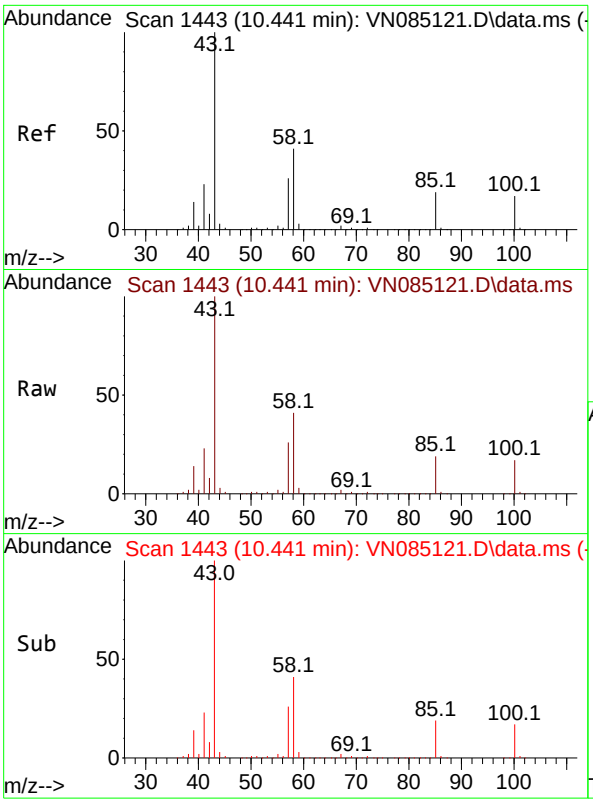


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:117 Resp: 154258

Ion	Ratio	Lower	Upper
117	100		
82	57.8	44.2	66.4
119	32.7	25.4	38.2



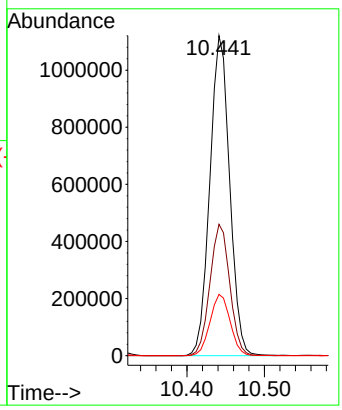


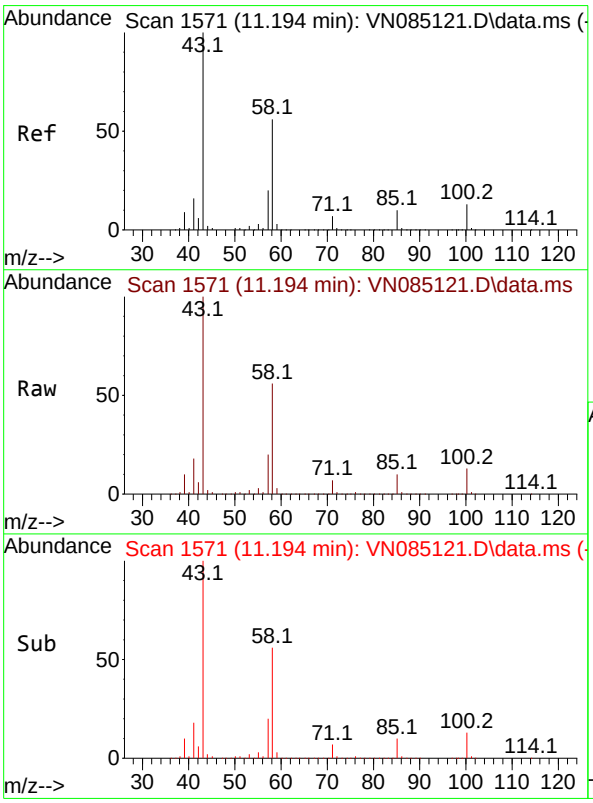
#58
4-Methyl-2-Pentanone
Concen: 789.691 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1988082

Ion	Ratio	Lower	Upper
43	100		
58	41.2	31.6	47.4
85	19.5	15.0	22.6

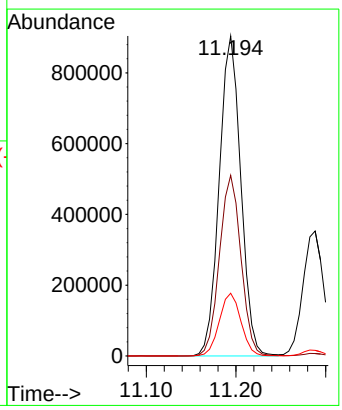


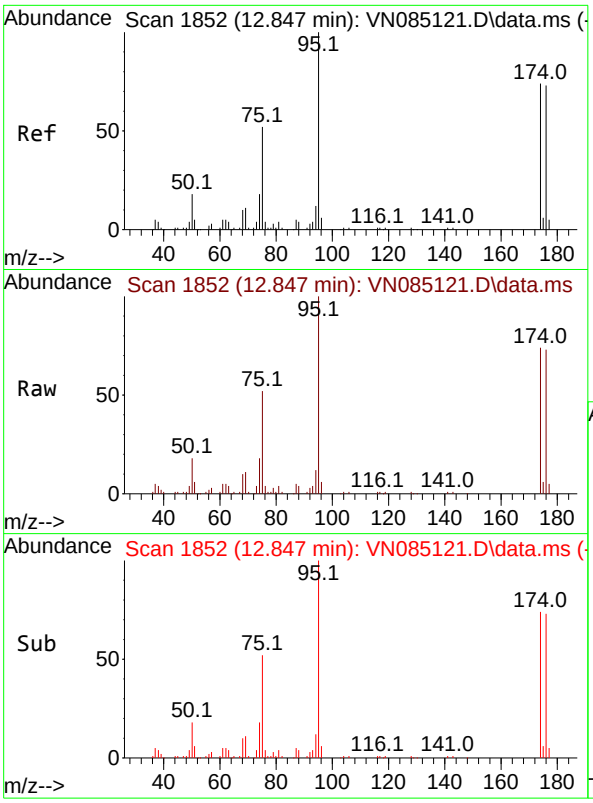


#59
2-Hexanone
Concen: 790.966 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 43 Resp: 1508817

Ion	Ratio	Lower	Upper
43	100		
58	56.3	43.6	65.4
57	19.7	15.4	23.0



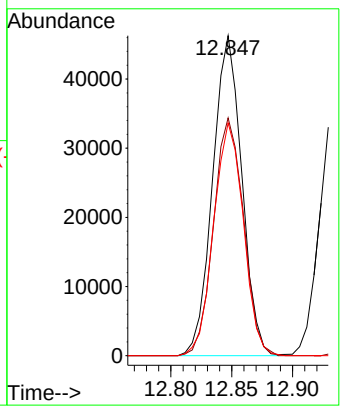


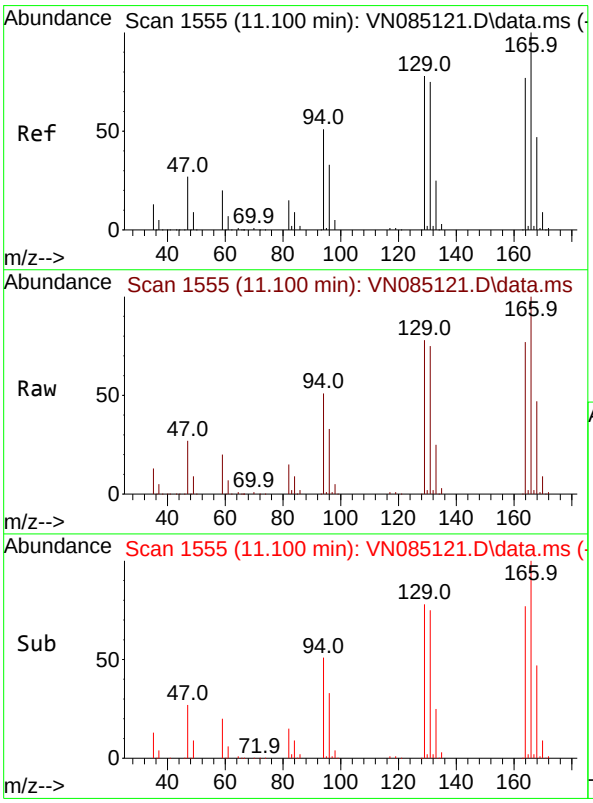
#60
4-Bromofluorobenzene
Concen: 30.183 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 95 Resp: 77038

Ion	Ratio	Lower	Upper
95	100		
174	76.4	60.3	90.5
176	74.3	57.4	86.0

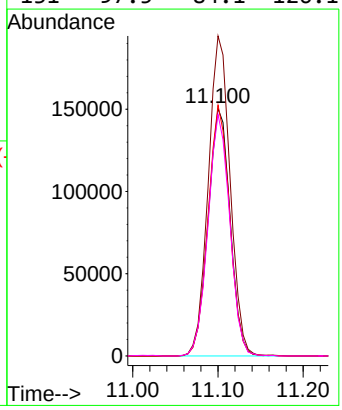


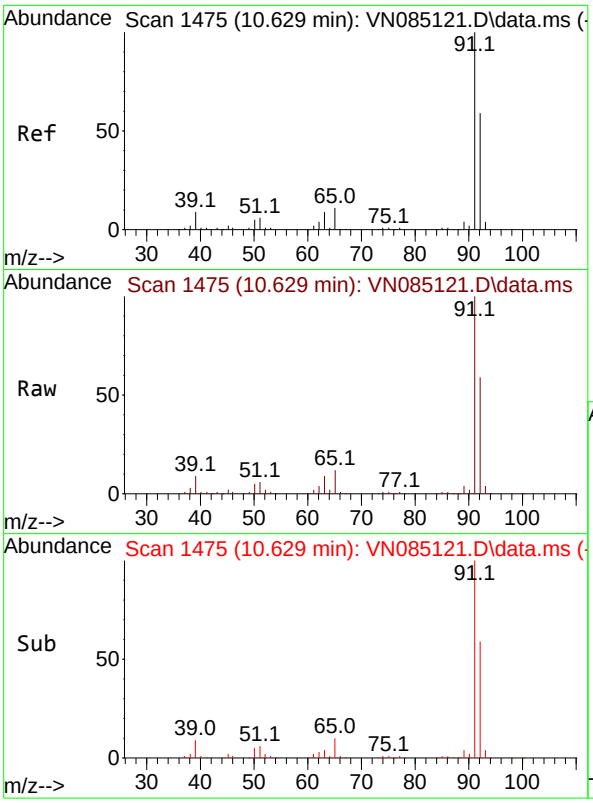


#61
Tetrachloroethene
Concen: 144.976 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:164 Resp: 270825

Ion	Ratio	Lower	Upper
164	100		
166	129.3	103.8	155.8
129	101.3	84.2	126.4
131	97.5	84.1	126.1



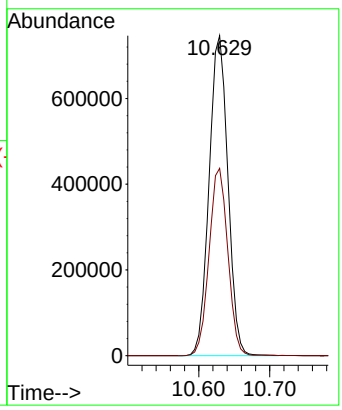


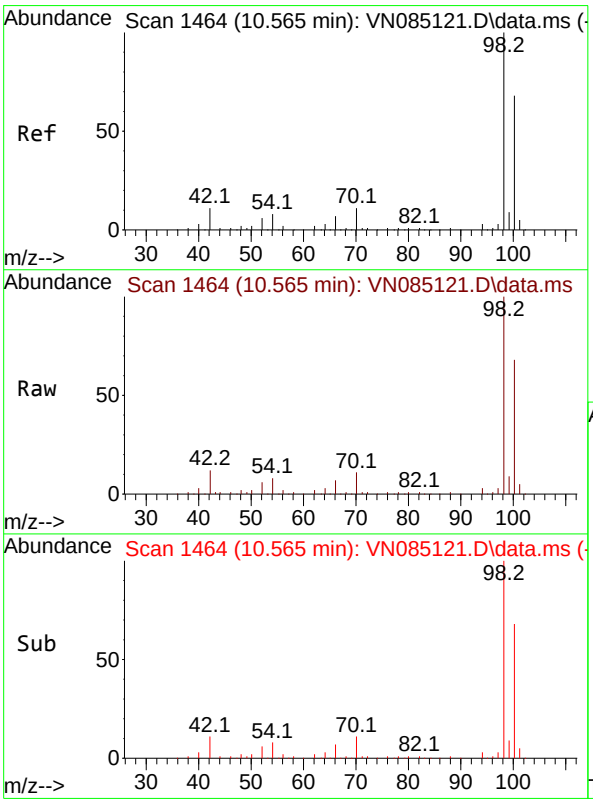
#62
Toluene
Concen: 152.311 ug/l
RT: 10.629 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1370241

Ion	Ratio	Lower	Upper
91	100		
92	58.5	46.5	69.7

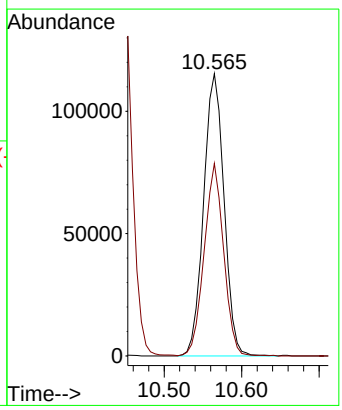


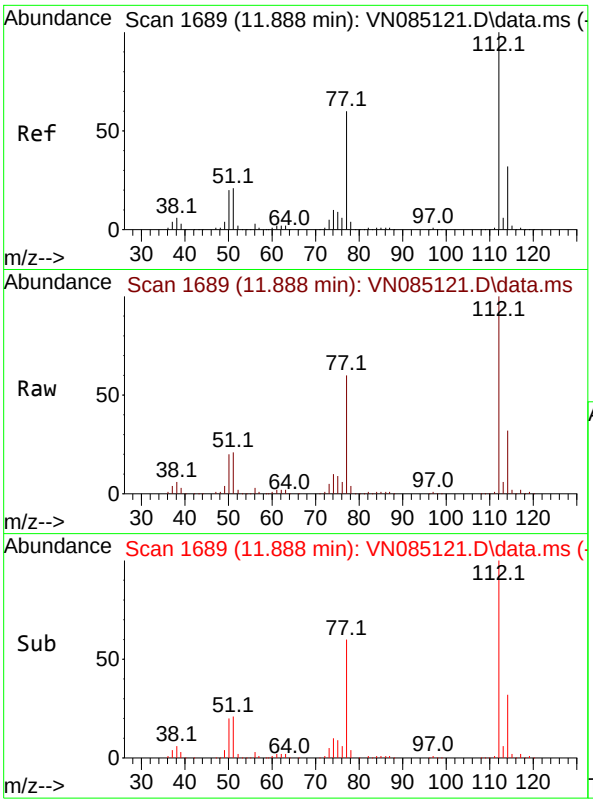


#63
Toluene-d8
Concen: 29.150 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 98 Resp: 210929

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.0	78.0



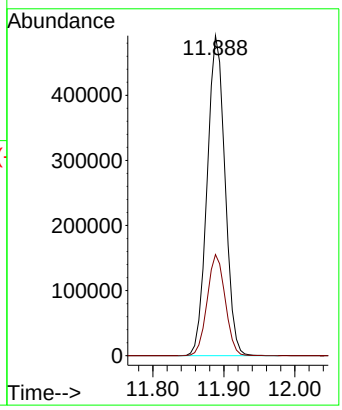


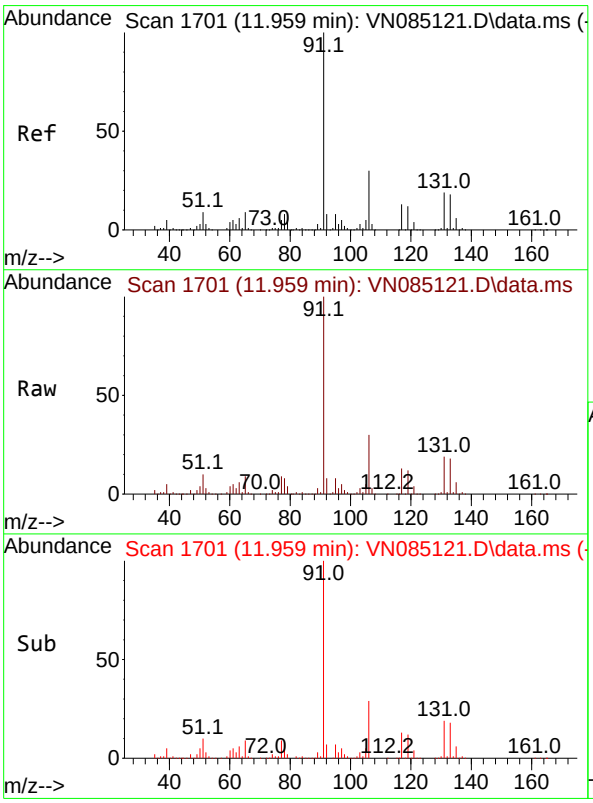
#64
Chlorobenzene
Concen: 154.562 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 858494

Ion	Ratio	Lower	Upper
112	100		
114	31.6	26.0	39.0

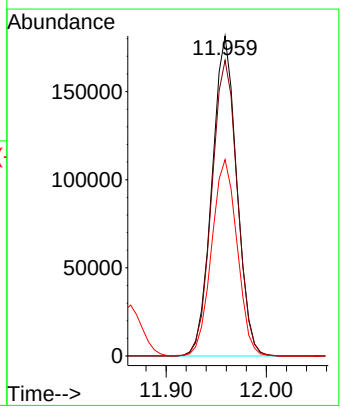


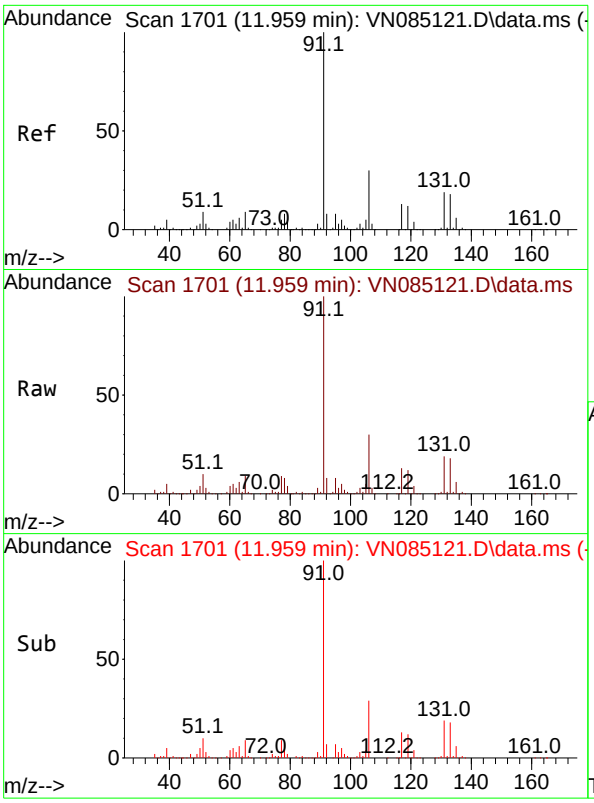


#65
1,1,1,2-Tetrachloroethane
Concen: 150.134 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:131 Resp: 311301

Ion	Ratio	Lower	Upper
131	100		
133	95.3	0.0	194.0
119	63.1	0.0	131.8



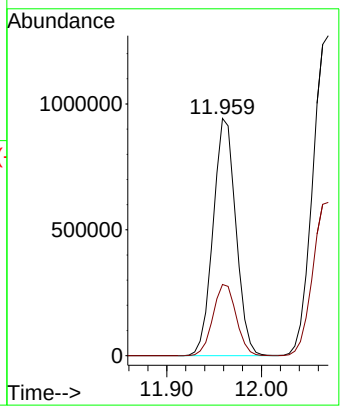


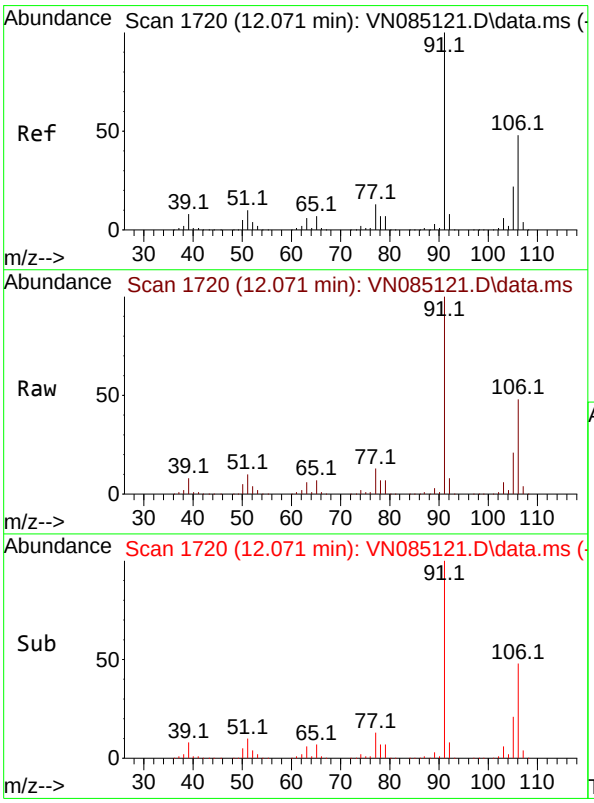
#66
Ethyl Benzene
Concen: 164.874 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1573924

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.1	34.7

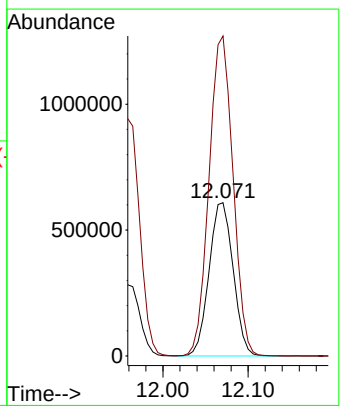


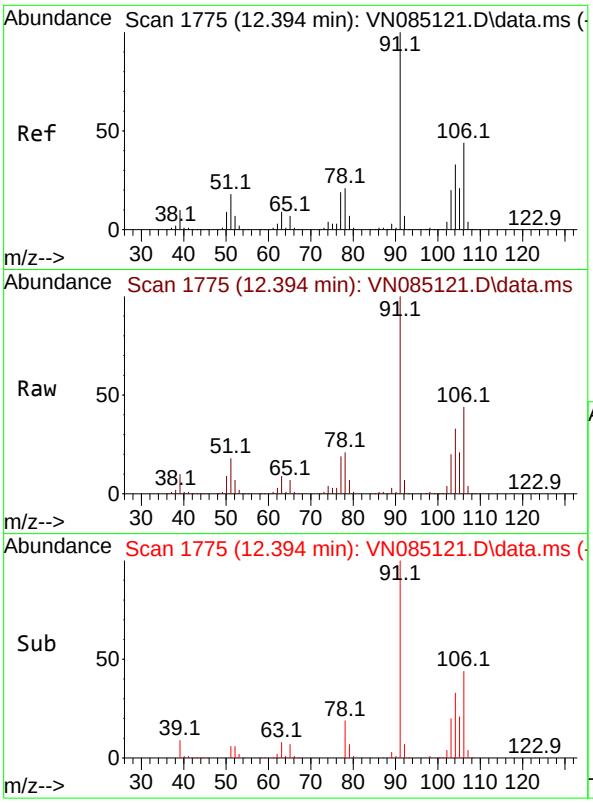


#67
m/p-Xylenes
Concen: 325.683 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:106 Resp: 1195807

Ion	Ratio	Lower	Upper
106	100		
91	208.3	165.0	247.4



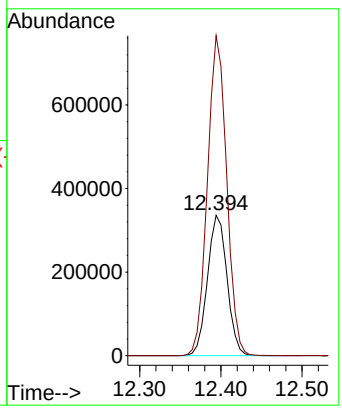


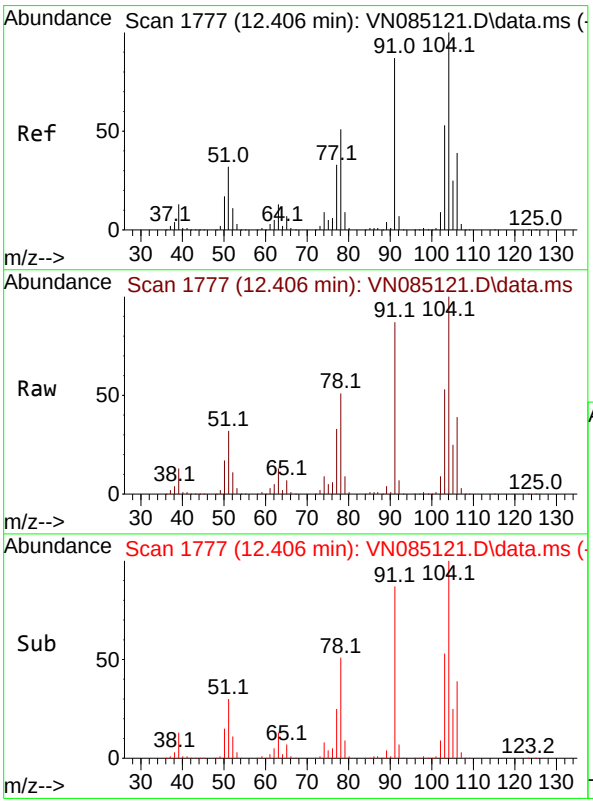
#68
o-Xylene
Concen: 163.091 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 562377

Ion	Ratio	Lower	Upper
106	100		
91	224.1	112.1	336.4

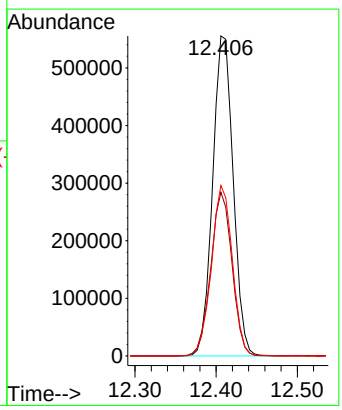


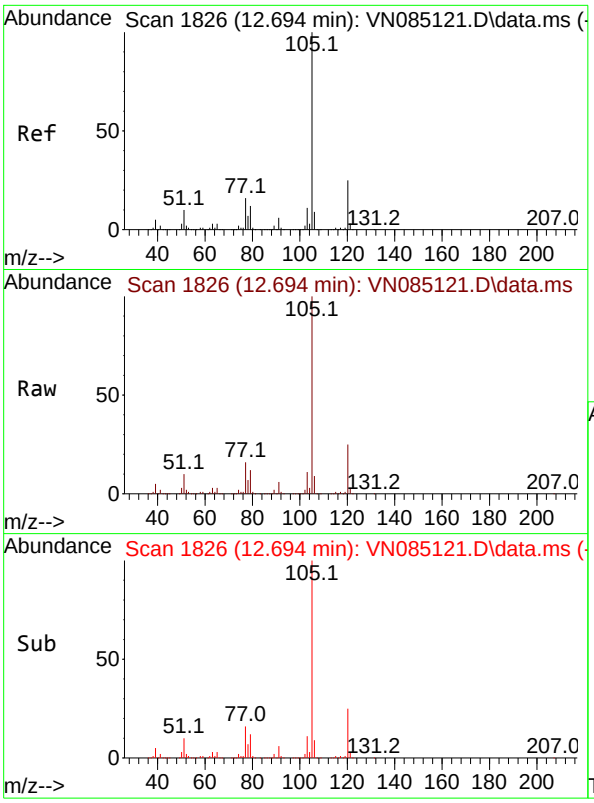


#69
Styrene
Concen: 166.883 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:104 Resp: 976478

Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.3	63.5
103	54.4	44.4	66.6



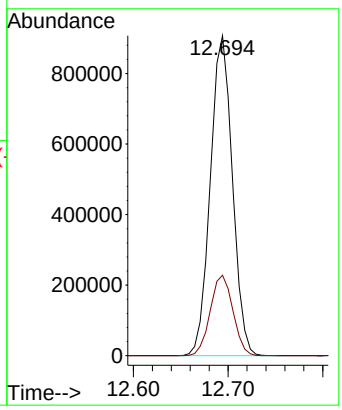


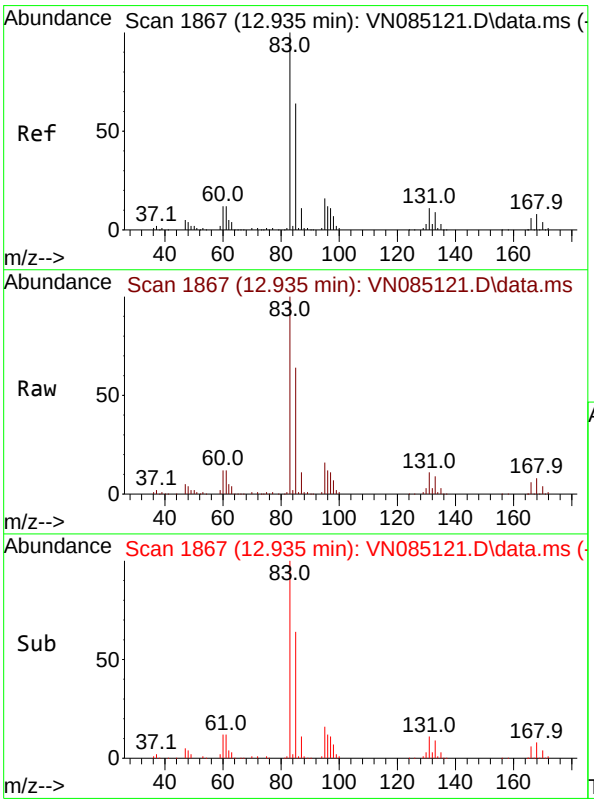
#70
Isopropylbenzene
Concen: 165.057 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1467994

Ion	Ratio	Lower	Upper
105	100		
120	25.8	18.3	33.9

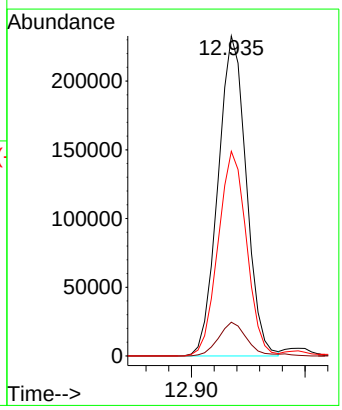


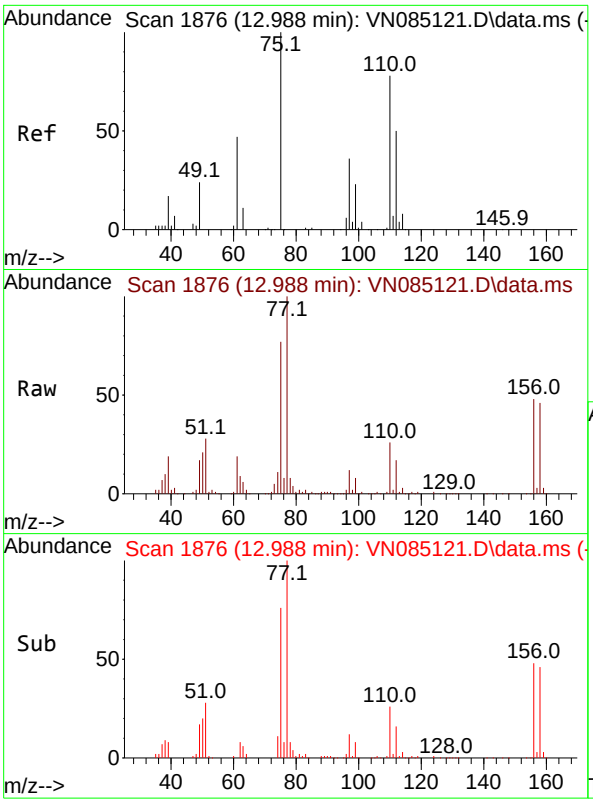


#71
1,1,2,2-Tetrachloroethane
Concen: 148.393 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 83 Resp: 401707

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.3
85	64.4	31.1	93.5



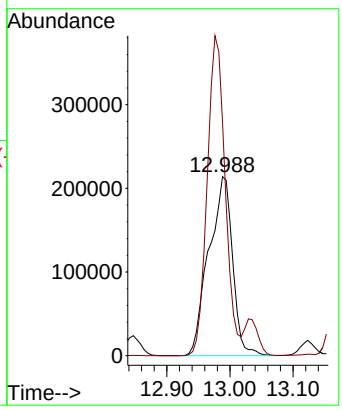


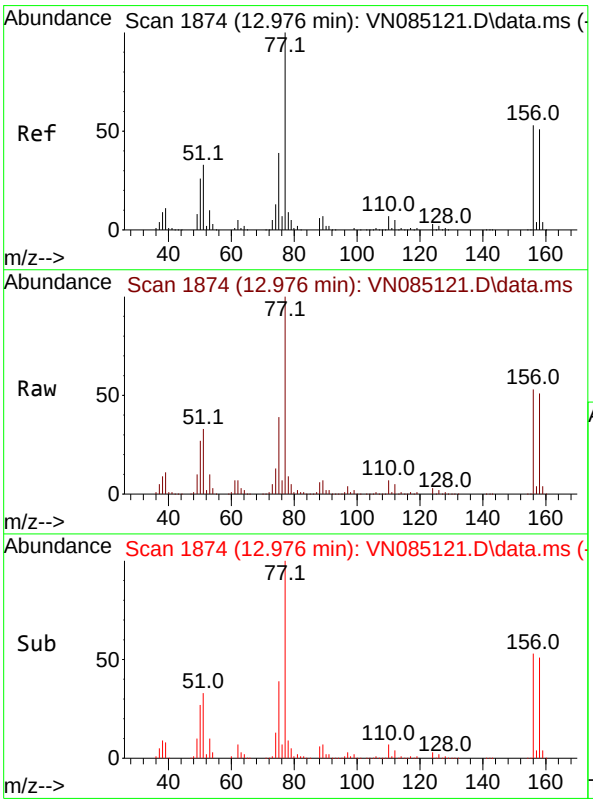
#72
1,2,3-Trichloropropane
Concen: 209.140 ug/l
RT: 12.988 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 559263

Ion	Ratio	Lower	Upper
75	100		
77	135.6	0.0	339.0

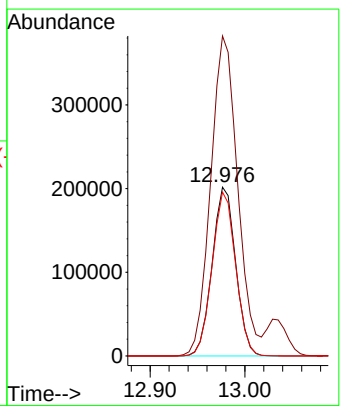


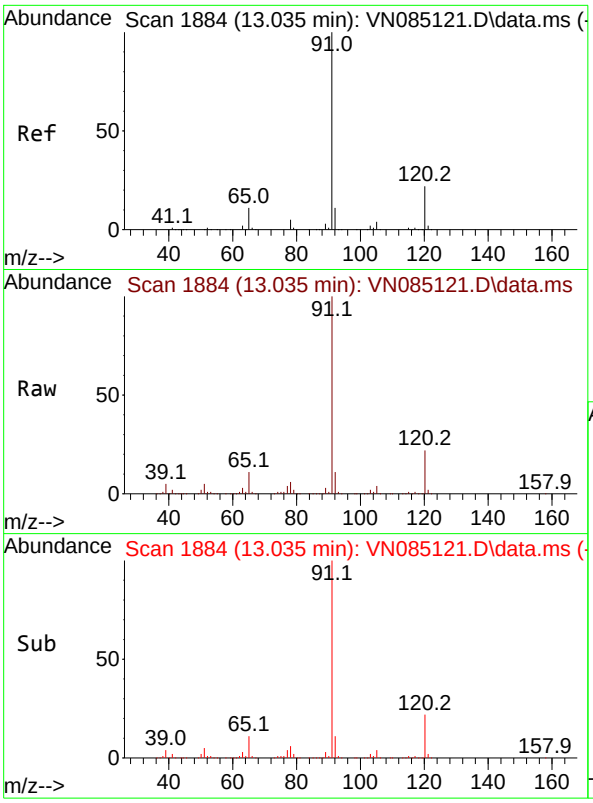


#73
Bromobenzene
Concen: 156.185 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:156 Resp: 347939

Ion	Ratio	Lower	Upper
156	100		
77	217.9	0.0	430.4
158	97.0	0.0	195.2



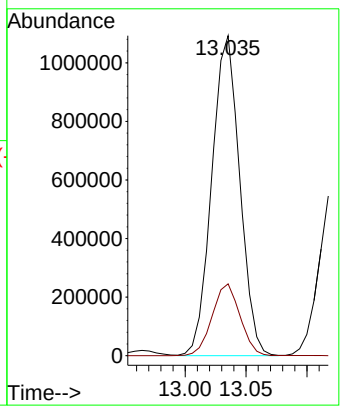


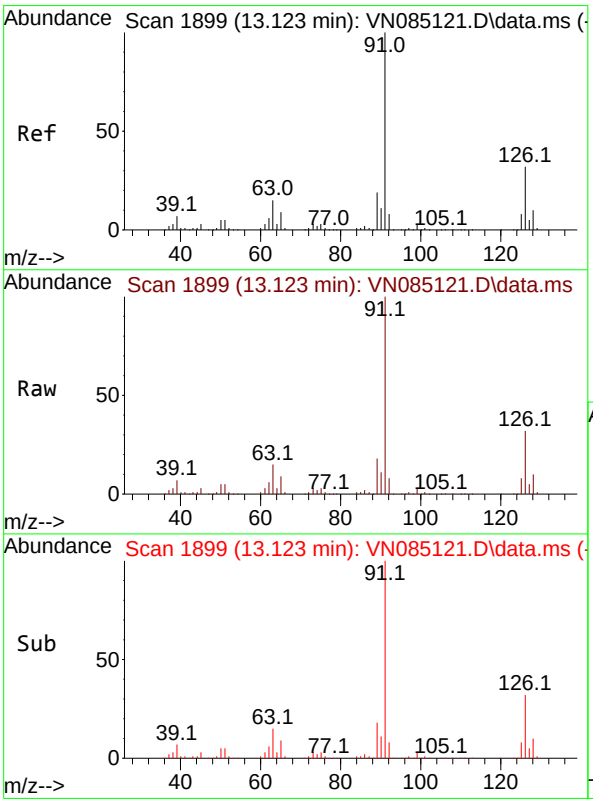
#74
n-propylbenzene
Concen: 163.317 ug/l
RT: 13.035 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1746230

Ion	Ratio	Lower	Upper
91	100		
120	22.3	0.0	44.0

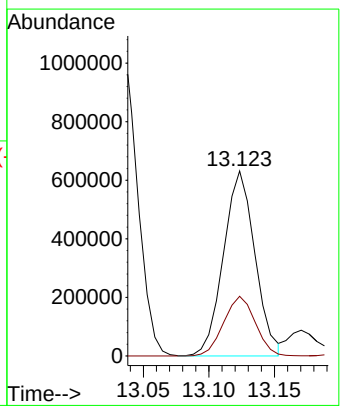


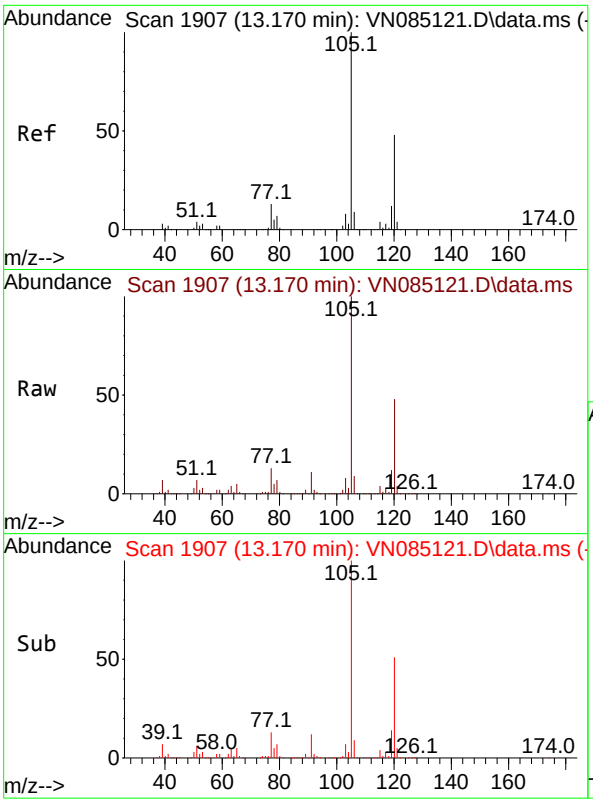


#75
2-Chlorotoluene
Concen: 159.945 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 91 Resp: 1057392

Ion	Ratio	Lower	Upper
91	100		
126	32.3	0.0	64.2



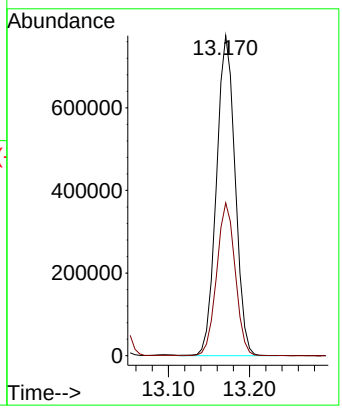


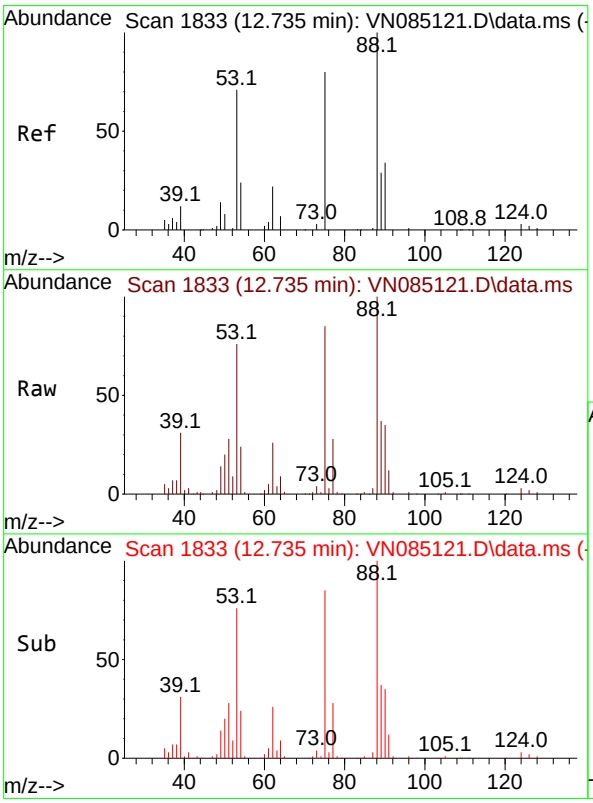
#76
1,3,5-Trimethylbenzene
Concen: 162.904 ug/l
RT: 13.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1241282

Ion	Ratio	Lower	Upper
105	100		
120	47.2	0.0	94.4

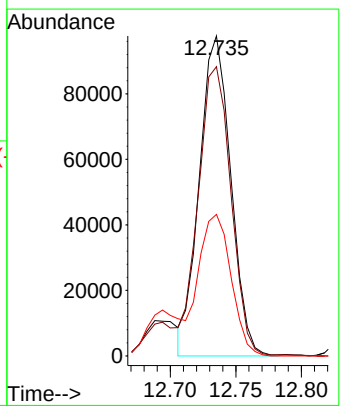


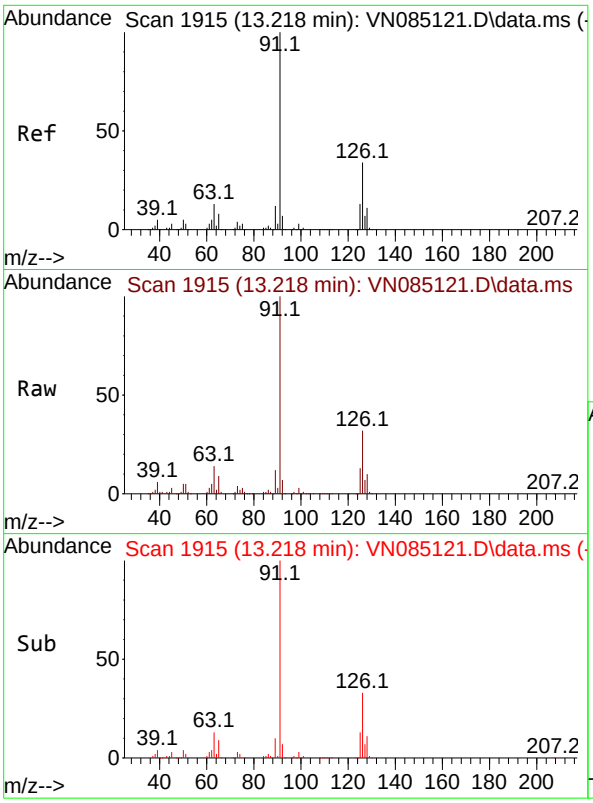


#77
t-1,4-Dichloro-2-butene
Concen: 168.075 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 75 Resp: 163318

Ion	Ratio	Lower	Upper
75	100		
53	90.2	49.1	147.3
89	44.4	22.9	68.5



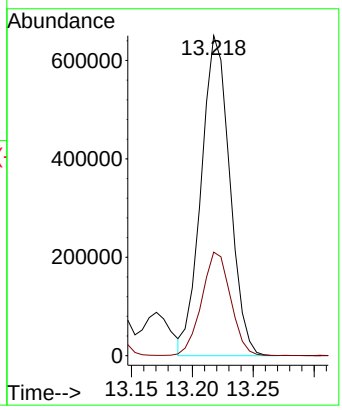


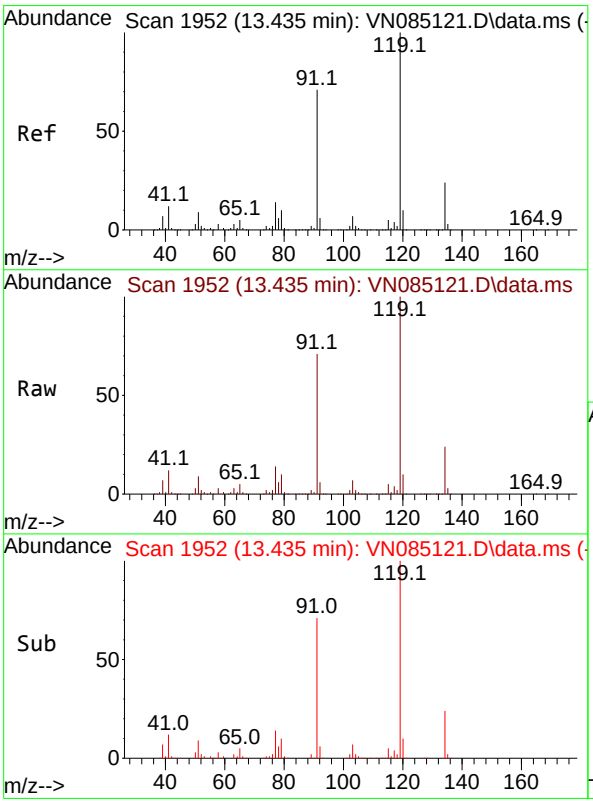
#78
4-Chlorotoluene
Concen: 158.383 ug/l
RT: 13.218 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1062762

Ion	Ratio	Lower	Upper
91	100		
126	32.7	0.0	64.4

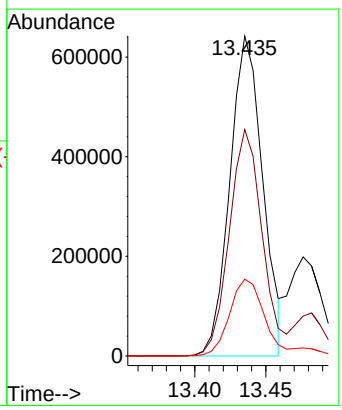


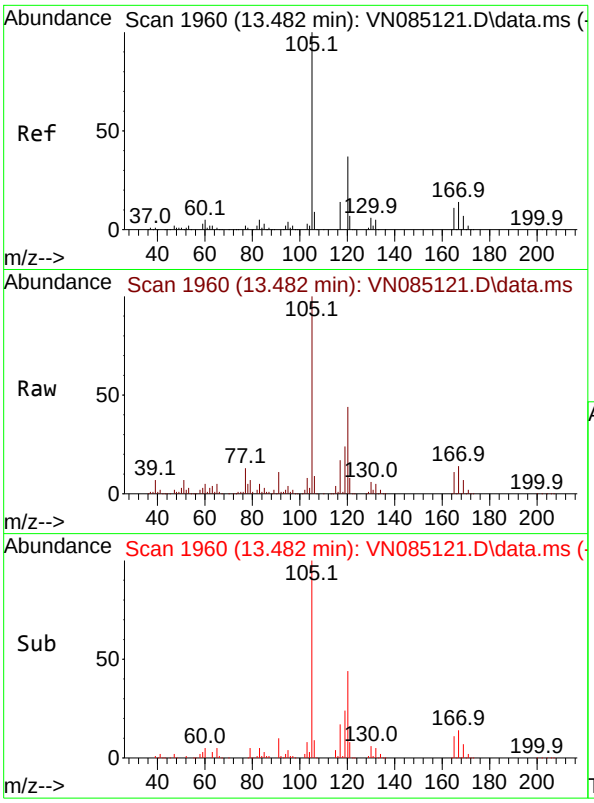


#79
tert-butylbenzene
Concen: 165.137 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:119 Resp: 1033507

Ion	Ratio	Lower	Upper
119	100		
91	71.2	0.0	139.2
134	24.9	0.0	48.0



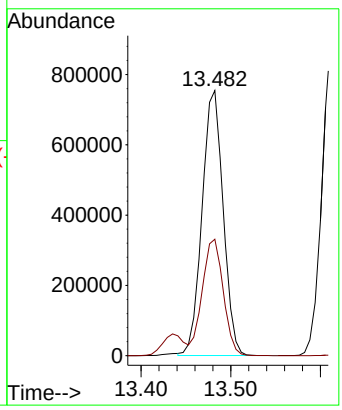


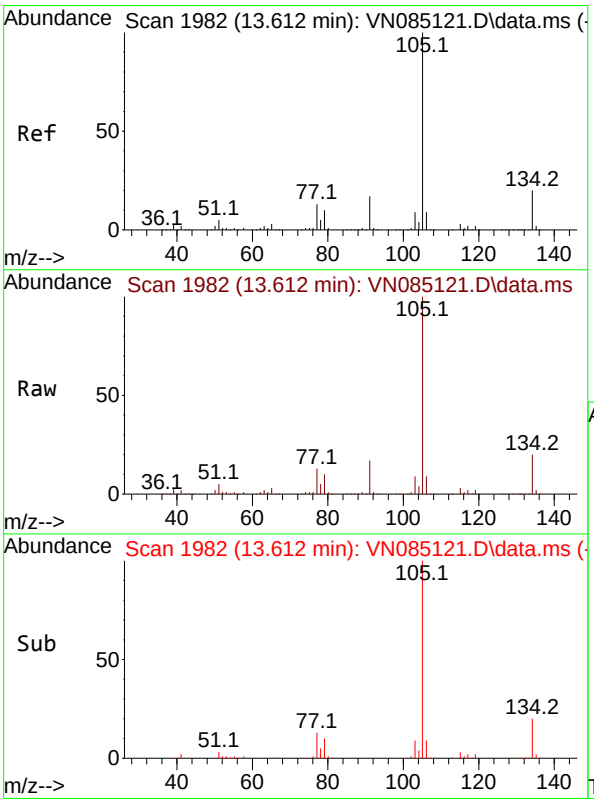
#80
1,2,4-Trimethylbenzene
Concen: 163.500 ug/l
RT: 13.482 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1230594

Ion	Ratio	Lower	Upper
105	100		
120	43.7	0.0	87.4

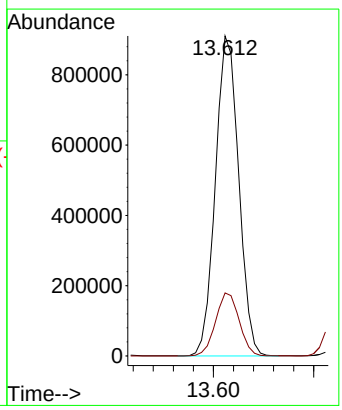


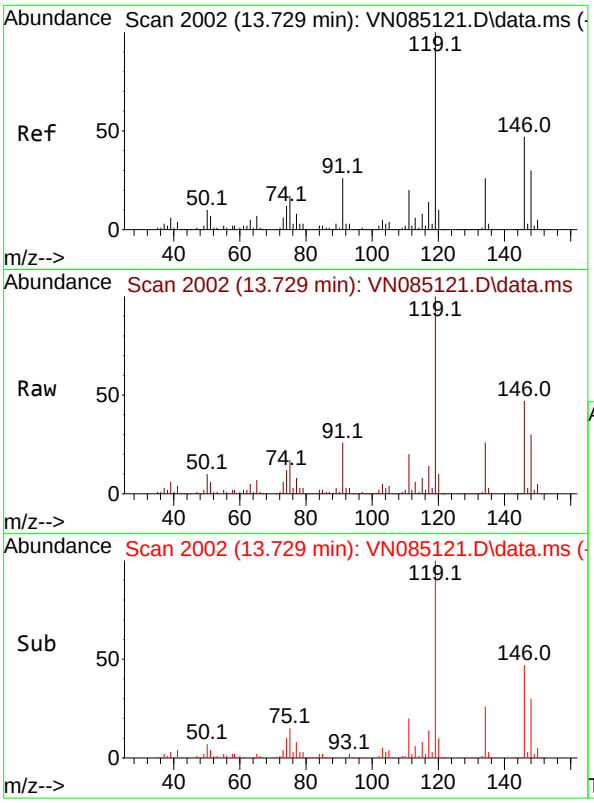


#81
sec-Butylbenzene
Concen: 164.927 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:105 Resp: 1466428

Ion	Ratio	Lower	Upper
105	100		
134	20.0	0.0	38.0



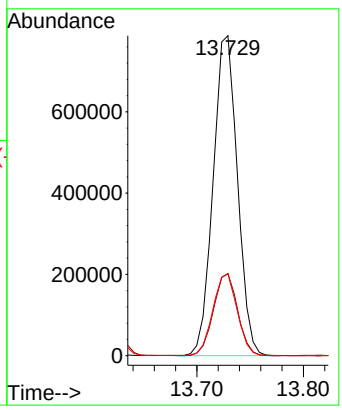


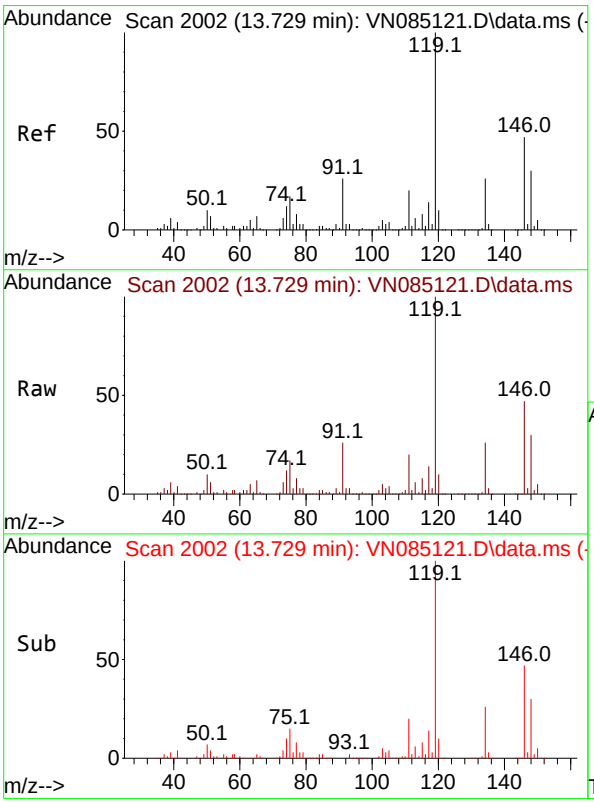
#82
p-Isopropyltoluene
Concen: 169.455 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 1249133

Ion	Ratio	Lower	Upper
119	100		
134	25.5	0.0	51.6
91	25.5	0.0	50.4

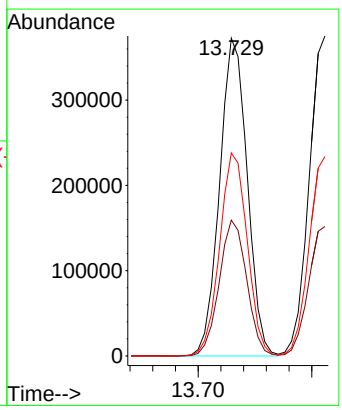


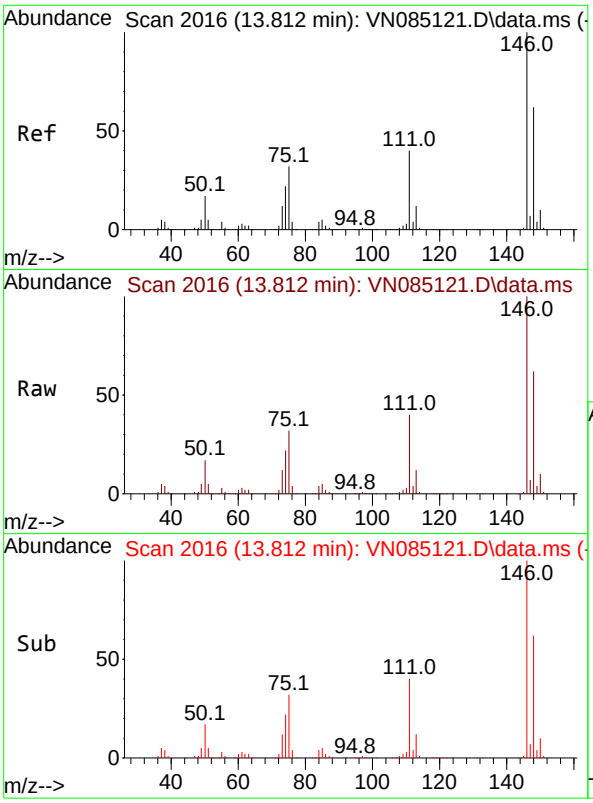


#83
1,3-Dichlorobenzene
Concen: 153.943 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:146 Resp: 629183

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.1	63.3
148	63.9	31.8	95.3



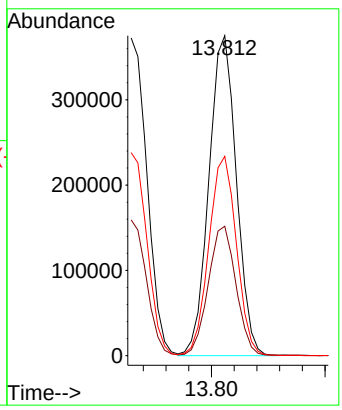


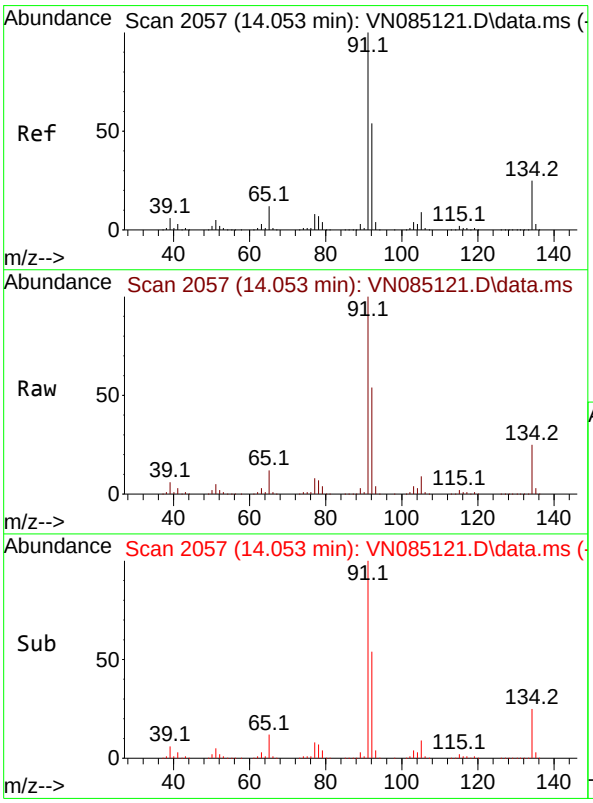
#84
1,4-Dichlorobenzene
Concen: 158.368 ug/l
RT: 13.812 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 630821

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.1	60.3
148	62.6	31.6	94.7

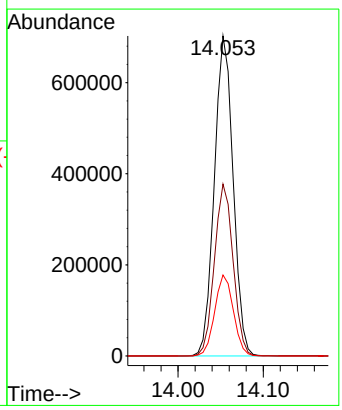


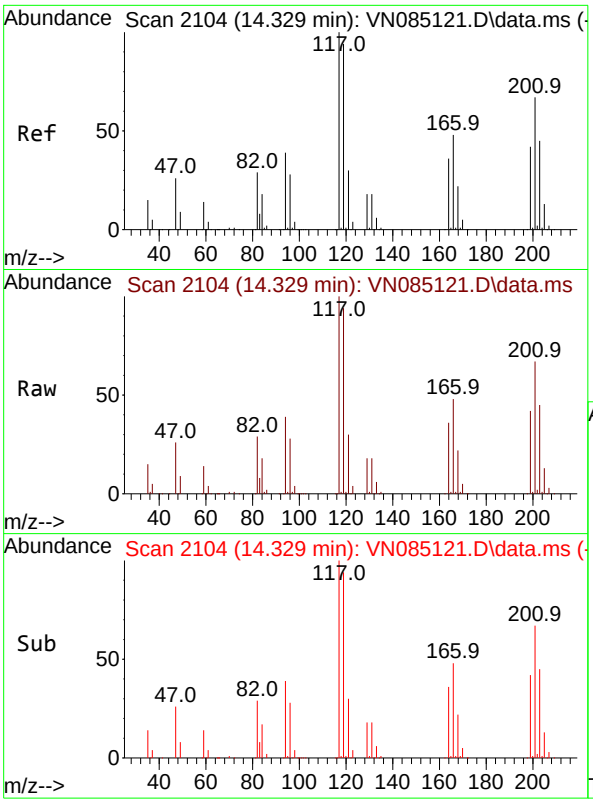


#85
n-Butylbenzene
Concen: 174.069 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion: 91 Resp: 1076317

Ion	Ratio	Lower	Upper
91	100		
92	53.4	0.0	104.0
134	25.1	0.0	49.2



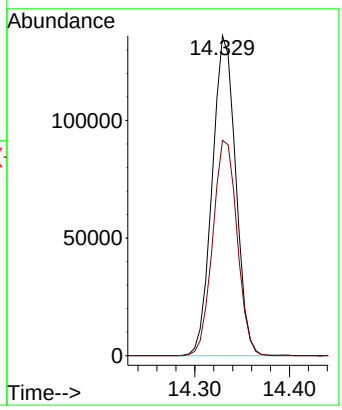


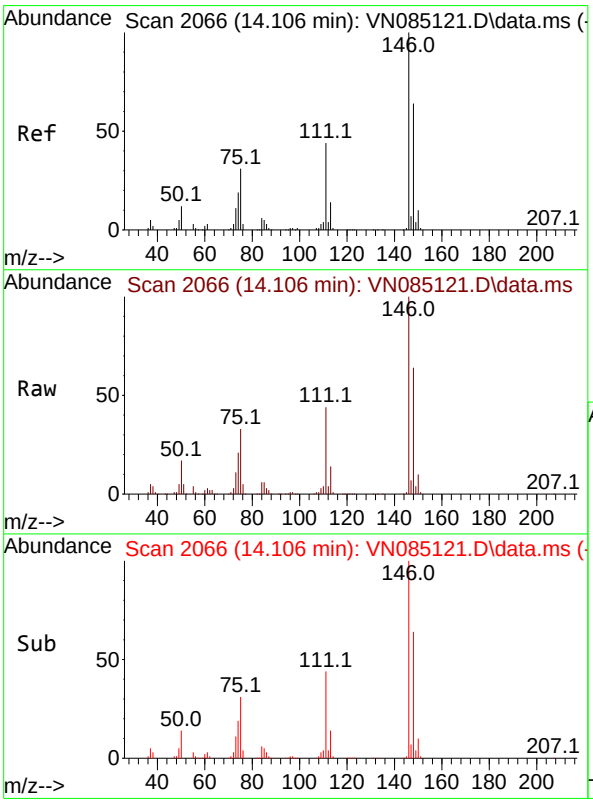
#86
Hexachloroethane
Concen: 160.002 ug/l
RT: 14.329 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 234799

Ion	Ratio	Lower	Upper
117	100		
201	69.7	34.1	102.3

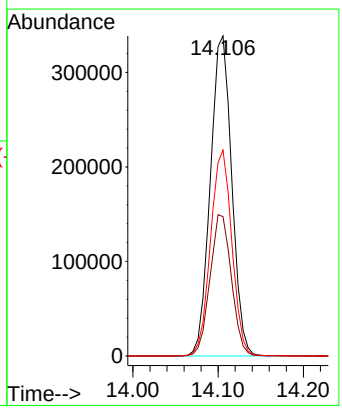


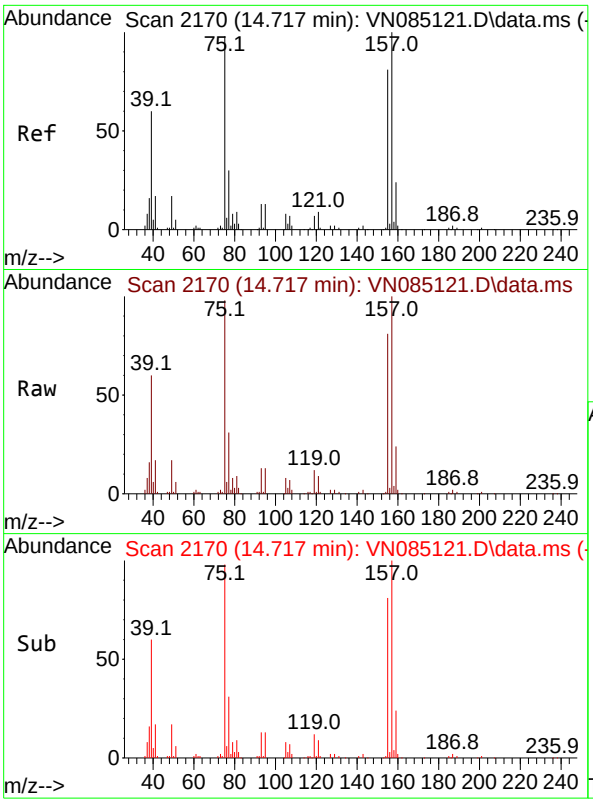


#87
1,2-Dichlorobenzene
Concen: 153.379 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:146 Resp: 591716

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.9	65.7
148	64.0	32.4	97.0



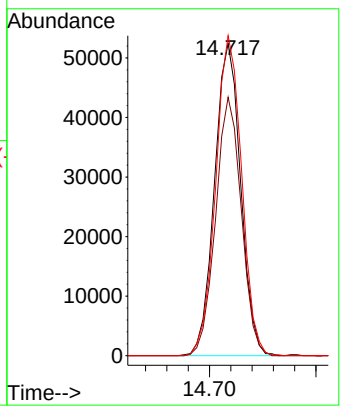


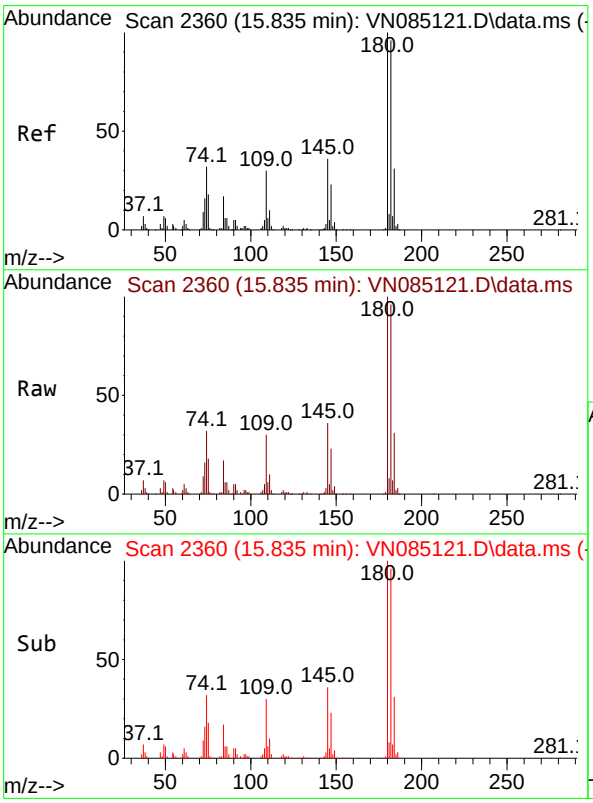
#88
1,2-Dibromo-3-Chloropropane
Concen: 164.781 ug/l
RT: 14.717 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 89112

Ion	Ratio	Lower	Upper
75	100		
155	81.7	62.1	93.1
157	101.9	79.3	118.9

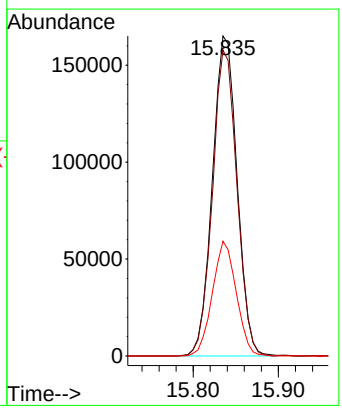


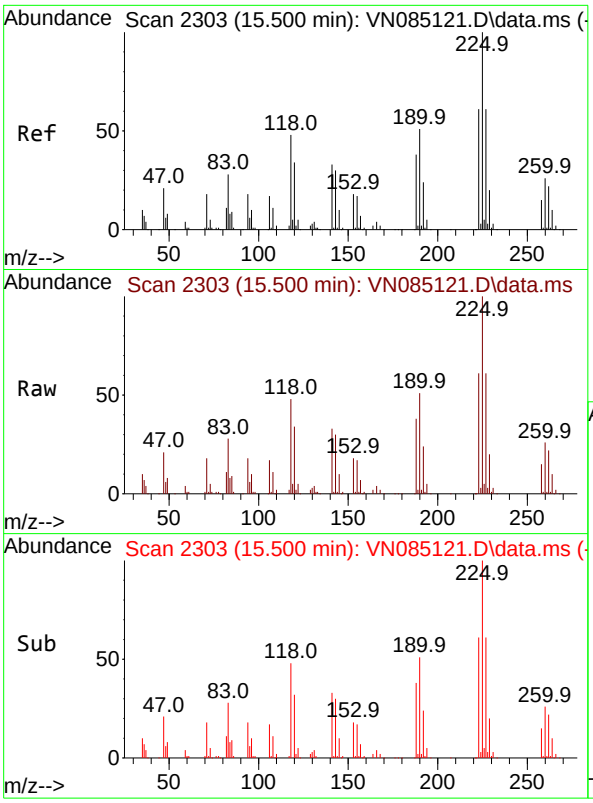


#89
1,2,4-Trichlorobenzene
Concen: 175.876 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:180 Resp: 332292

Ion	Ratio	Lower	Upper
180	100		
182	94.7	74.0	111.0
145	34.7	28.6	43.0



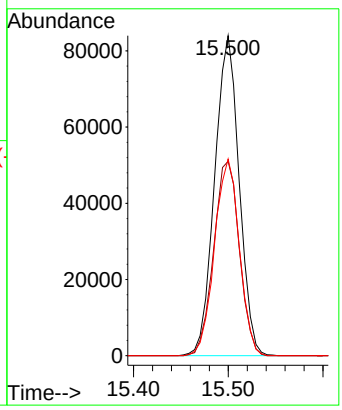


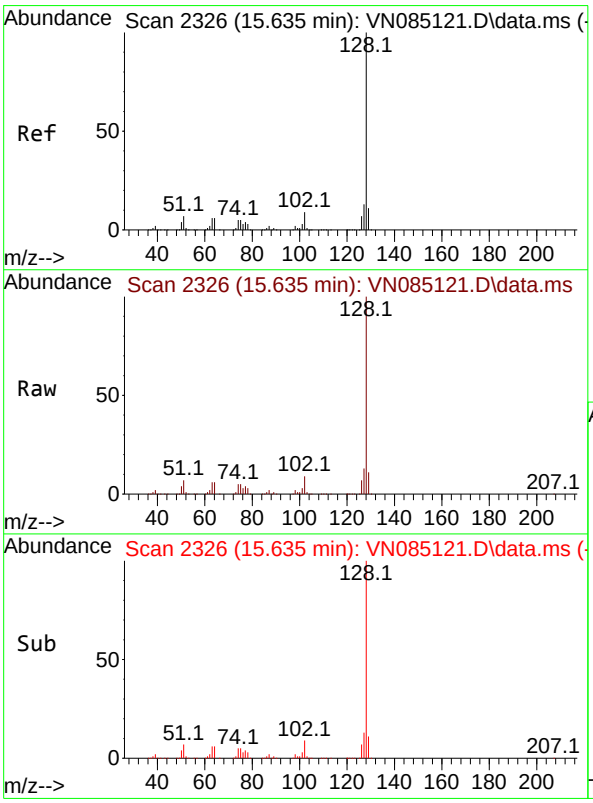
#90
Hexachlorobutadiene
Concen: 153.643 ug/l
RT: 15.500 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:225 Resp: 150844

Ion	Ratio	Lower	Upper
225	100		
223	63.5	0.0	121.8
227	62.3	0.0	126.8

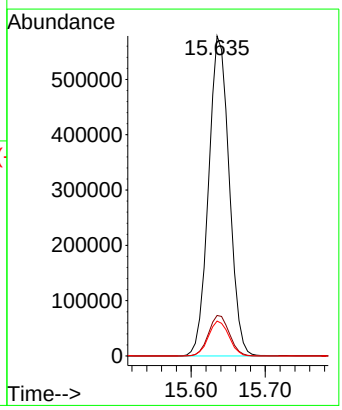


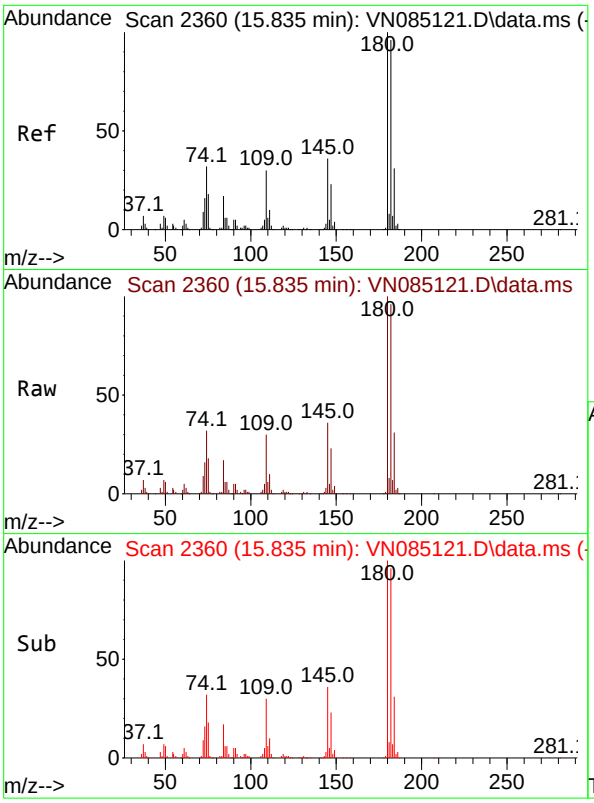


#91
Naphthalene
Concen: 190.174 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Tgt Ion:128 Resp: 1116289

Ion	Ratio	Lower	Upper
128	100		
127	12.8	11.0	16.4
129	10.9	8.7	13.1



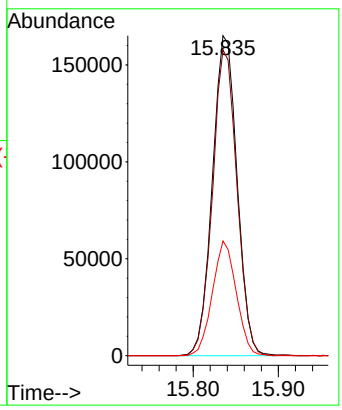


#92
1,2,3-Trichlorobenzene
Concen: 175.876 ug/l
RT: 15.835 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085121.D
Acq: 06 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 332292

Ion	Ratio	Lower	Upper
180	100		
182	94.7	0.0	185.0
145	34.7	0.0	71.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085123.D
Acq On : 06 Dec 2024 12:28
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Quant Time: Dec 06 23:06:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.818	128	34320	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	185717	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	167596	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	80315	29.493	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.300%			
60) 4-Bromofluorobenzene	12.847	95	85871	30.966	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.233%			
63) Toluene-d8	10.565	98	238389	30.323	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.067%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	60791	22.140	ug/l	99
3) Chloromethane	2.359	50	54189	22.297	ug/l	94
4) Vinyl Chloride	2.512	62	53524	21.532	ug/l	96
5) Bromomethane	2.965	94	37678	23.874	ug/l	100
6) Chloroethane	3.124	64	34096	22.326	ug/l	96
7) Trichlorofluoromethane	3.500	101	88313	21.704	ug/l	97
8) Diethyl Ether	3.959	74	28800	22.346	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.377	101	50308	22.109	ug/l	97
10) 1,1-Dichloroethene	4.342	96	45812	21.919	ug/l	98
11) Methyl Iodide	4.589	142	63446	21.887	ug/l	96
12) Methyl Acetate	5.018	43	53958	21.883	ug/l	91
13) Acrolein	4.177	56	29807	83.185	ug/l	97
14) Acrylonitrile	5.718	53	111980	109.372	ug/l	96
15) Acetone	4.424	58	29118	104.948	ug/l	97
16) Carbon Disulfide	4.712	76	137866	22.068	ug/l	97
17) Allyl chloride	5.024	41	65461	21.888	ug/l	94
18) Methylene Chloride	5.283	84	49652	20.936	ug/l	94
19) trans-1,2-Dichloroethene	5.783	96	47495	21.862	ug/l	96
20) Diisopropyl ether	6.665	45	143427	21.853	ug/l	98
21) 1,1-Dichloroethane	6.565	63	88356	21.811	ug/l #	97
22) cis-1,2-Dichloroethene	7.488	96	56787	22.742	ug/l	98
23) tert-Butyl Alcohol	5.512	59	41094	111.884	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	145319	22.254	ug/l #	76
25) Chloroform	7.965	83	91959	21.669	ug/l	96
26) Cyclohexane	8.259	56	75227	22.553	ug/l	97
29) 1,1-Dichloropropene	8.371	75	65505	21.858	ug/l	99
30) 2-Butanone	7.483	43	147216	107.048	ug/l	98
31) 2,2-Dichloropropane	7.488	77	82584	21.490	ug/l #	100
32) 1,1,1-Trichloroethane	8.165	97	86299	21.275	ug/l	99
33) Carbon Tetrachloride	8.359	117	76333	20.855	ug/l	95
34) Benzene	8.606	78	199228	21.162	ug/l	94
35) Methacrylonitrile	7.771	41	34766	22.464	ug/l	97
36) 1,2-Dichloroethane	8.665	62	68920	21.505	ug/l	100
37) Trichloroethene	9.347	130	48331	21.558	ug/l	92
38) Methylcyclohexane	9.600	83	71750	22.020	ug/l	95
39) 1,2-Dichloropropane	9.618	63	47583	20.867	ug/l	94
40) Dibromomethane	9.712	93	34556	21.127	ug/l	98
41) Bromodichloromethane	9.888	83	73839	21.117	ug/l	94
42) Vinyl Acetate	6.600	43	554646	115.256	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085123.D
Acq On : 06 Dec 2024 12:28
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Quant Time: Dec 06 23:06:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

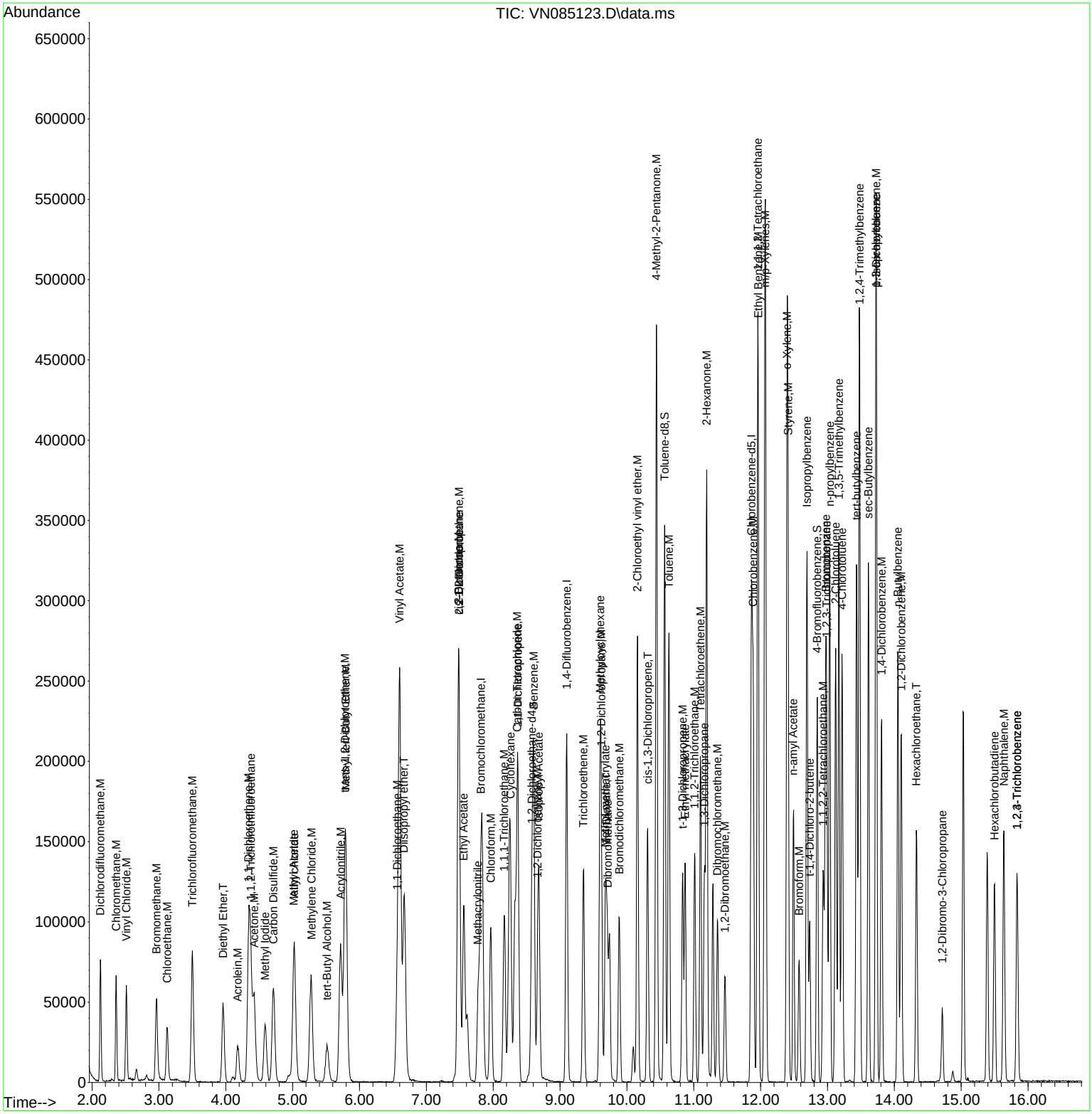
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	62407	22.807	ug/l	93
44) Isopropyl Acetate	8.682	43	103521	21.770	ug/l	100
45) 1,4-Dioxane	9.694	88	17346	437.438	ug/l	96
46) Methyl methacrylate	9.677	41	47854	21.989	ug/l	96
47) n-amyl Acetate	12.488	43	87700	21.920	ug/l	97
48) t-1,3-Dichloropropene	10.835	75	72633	21.161	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	79711	21.333	ug/l	98
50) 1,1,2-Trichloroethane	11.012	97	47258	21.441	ug/l	95
51) Ethyl methacrylate	10.871	69	74129	22.113	ug/l	97
52) 1,3-Dichloropropane	11.159	76	79252	21.486	ug/l	99
53) Dibromochloromethane	11.353	129	55601	20.701	ug/l	93
54) 1,2-Dibromoethane	11.465	107	47513	21.396	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	120953	77.670	ug/l	99
56) Bromoform	12.576	173	37077	20.588	ug/l	96
58) 4-Methyl-2-Pentanone	10.441	43	305762	111.787	ug/l	99
59) 2-Hexanone	11.194	43	233377	112.607	ug/l	98
61) Tetrachloroethene	11.100	164	45248	22.294	ug/l	95
62) Toluene	10.629	91	214790	21.975	ug/l	99
64) Chlorobenzene	11.888	112	133437	22.112	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	48941	21.725	ug/l	98
66) Ethyl Benzene	11.965	91	231289	22.300	ug/l	96
67) m/p-Xylenes	12.070	106	182990	45.872	ug/l	99
68) o-Xylene	12.394	106	84266	22.492	ug/l	99
69) Styrene	12.412	104	145082	22.822	ug/l	99
70) Isopropylbenzene	12.694	105	217804	22.540	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	65321	22.210	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	85676	29.489	ug/l	75
73) Bromobenzene	12.976	156	53832	22.241	ug/l	99
74) n-propylbenzene	13.035	91	261027	22.470	ug/l	99
75) 2-Chlorotoluene	13.123	91	161221	22.446	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	189105	22.843	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	22735	21.535	ug/l	99
78) 4-Chlorotoluene	13.217	91	163711	22.456	ug/l	100
79) tert-butylbenzene	13.435	119	152793	22.471	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	188016	22.992	ug/l	100
81) sec-Butylbenzene	13.612	105	221463	22.925	ug/l	99
82) p-Isopropyltoluene	13.729	119	181815	22.702	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	96640	21.763	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	98028	22.651	ug/l	99
85) n-Butylbenzene	14.053	91	148587	22.118	ug/l	98
86) Hexachloroethane	14.329	117	34505	21.642	ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	92278	22.016	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	12928	22.003	ug/l	98
89) 1,2,4-Trichlorobenzene	15.835	180	47265	23.026	ug/l	97
90) Hexachlorobutadiene	15.500	225	24662	23.121	ug/l	98
91) Naphthalene	15.641	128	145950	22.886	ug/l	98
92) 1,2,3-Trichlorobenzene	15.835	180	47265	23.026	ug/l	97

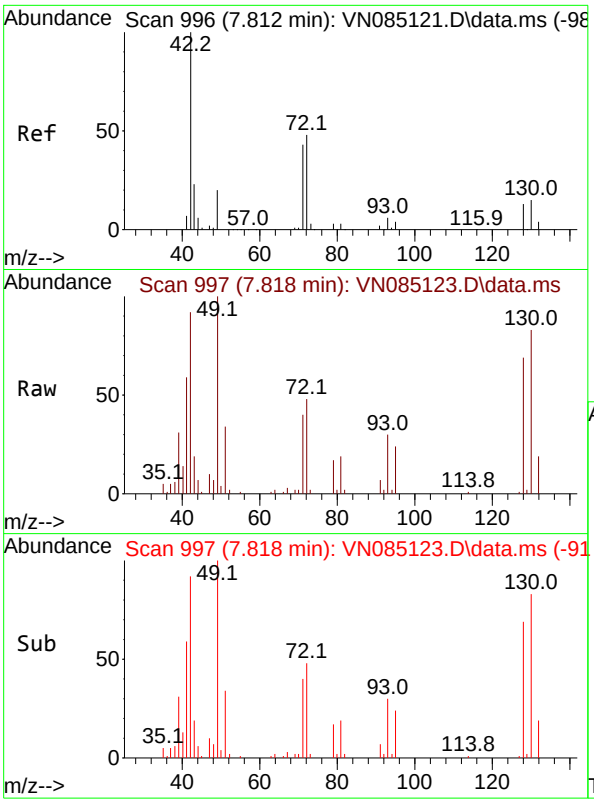
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
Data File : VN085123.D
Acq On : 06 Dec 2024 12:28
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Quant Time: Dec 06 23:06:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration



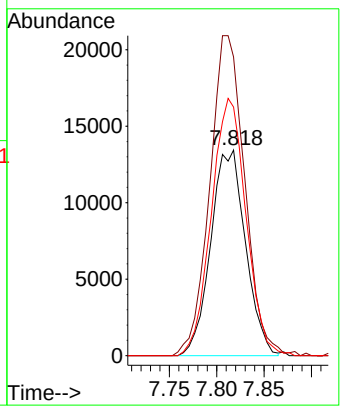


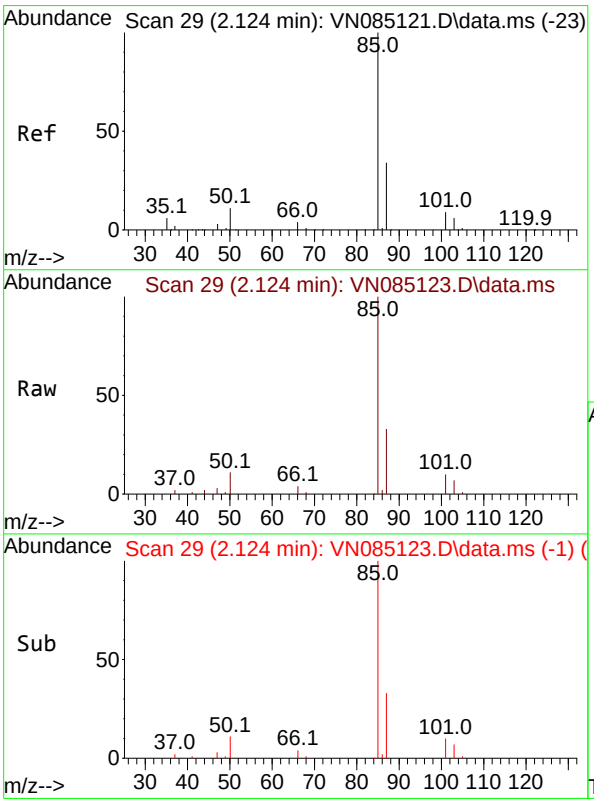
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion:128 Resp: 34320

Ion	Ratio	Lower	Upper
128	100		
49	156.1	0.0	394.5
130	124.9	0.0	316.5

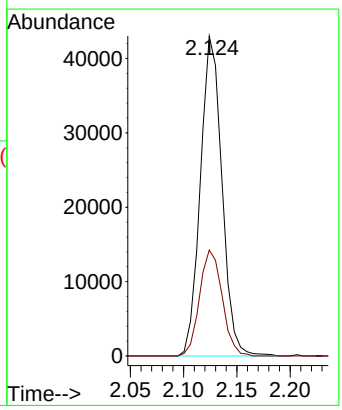


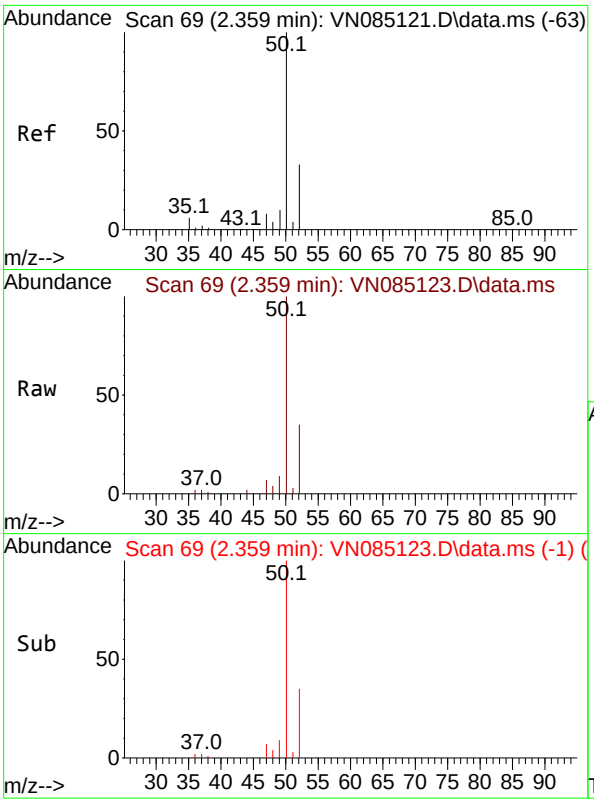


#2
Dichlorodifluoromethane
Concen: 22.140 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 85 Resp: 60791

Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.8	50.3



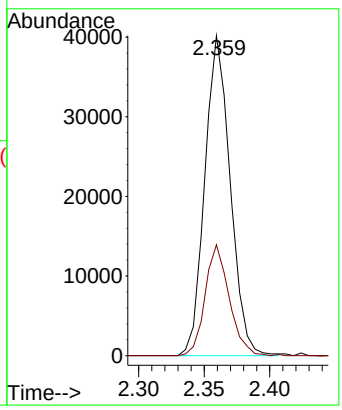


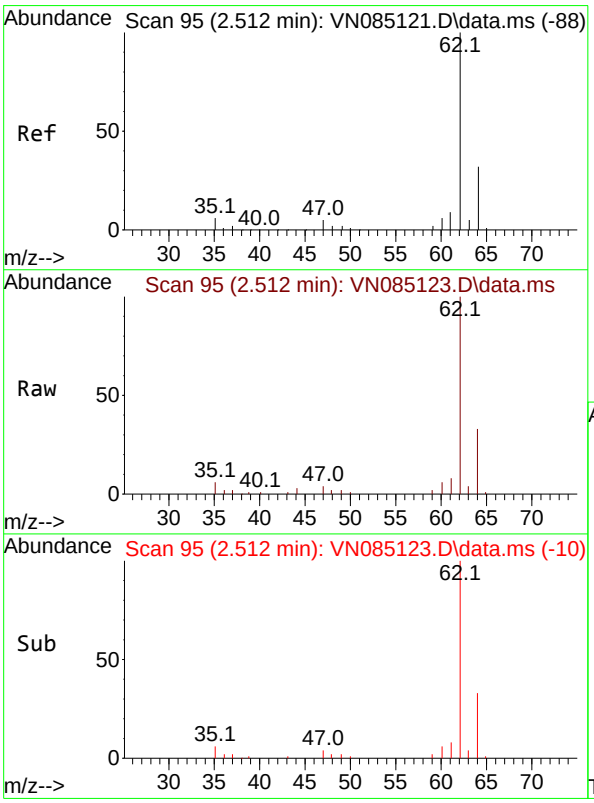
#3
Chloromethane
Concen: 22.297 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion: 50 Resp: 54189

Ion	Ratio	Lower	Upper
50	100		
52	34.7	25.0	37.4

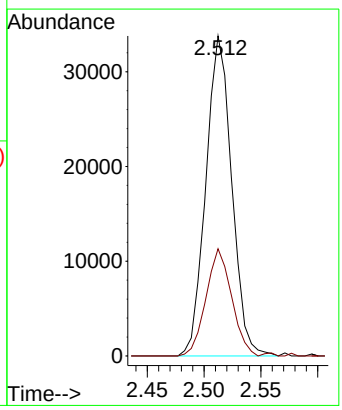


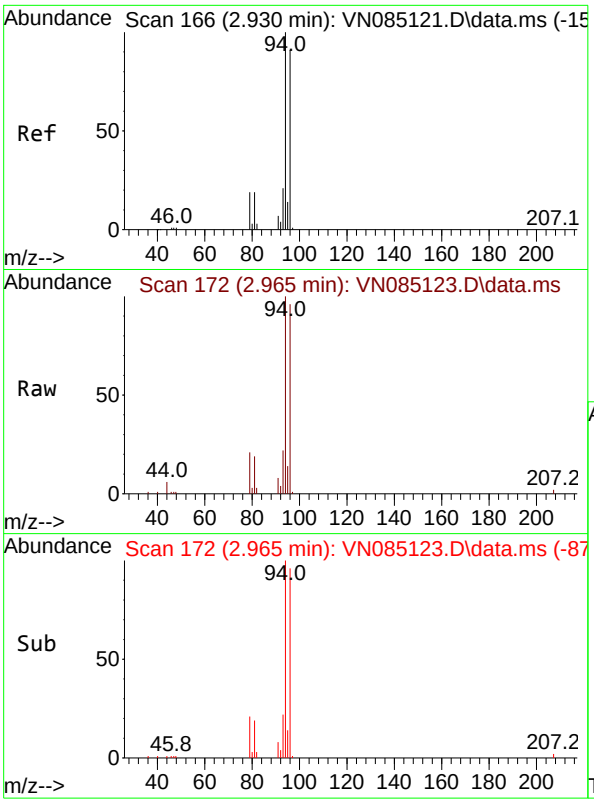


#4
Vinyl Chloride
Concen: 21.532 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 62 Resp: 53524

Ion	Ratio	Lower	Upper
62	100		
64	33.5	24.9	37.3



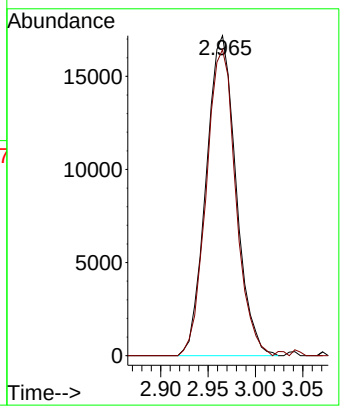


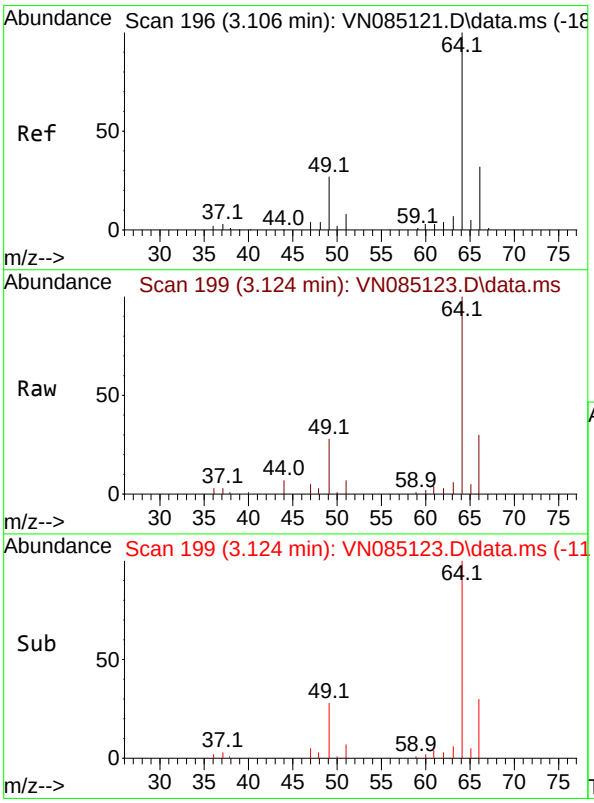
#5
Bromomethane
Concen: 23.874 ug/l
RT: 2.965 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion: 94 Resp: 37678

Ion	Ratio	Lower	Upper
94	100		
96	95.7	76.2	114.4

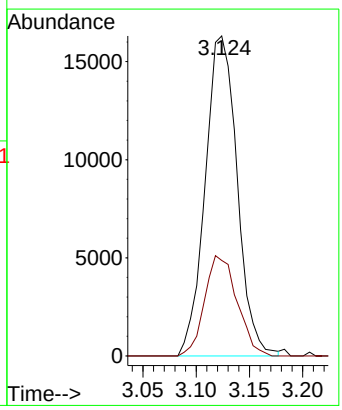


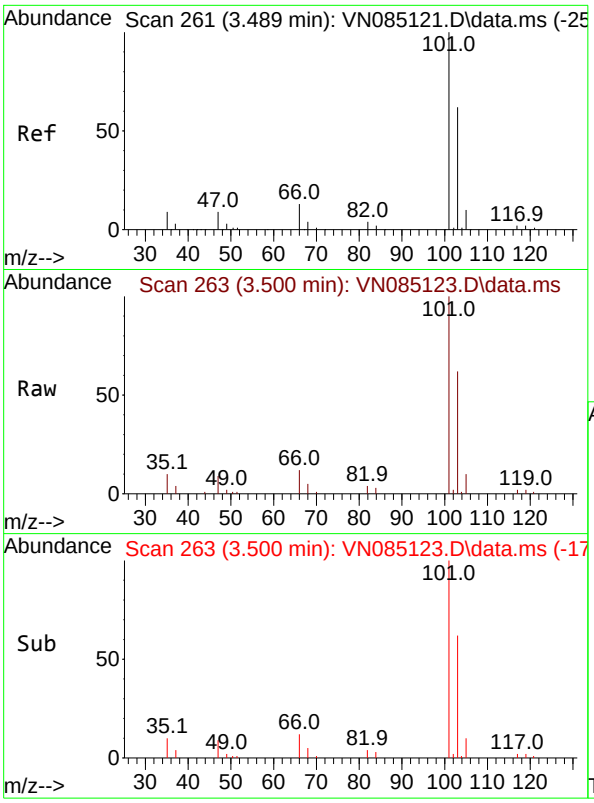


#6
Chloroethane
Concen: 22.326 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 64 Resp: 34096

Ion	Ratio	Lower	Upper
64	100		
66	29.9	25.5	38.3



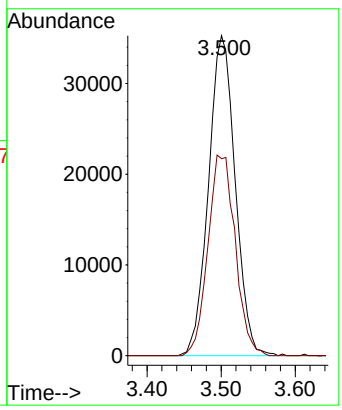


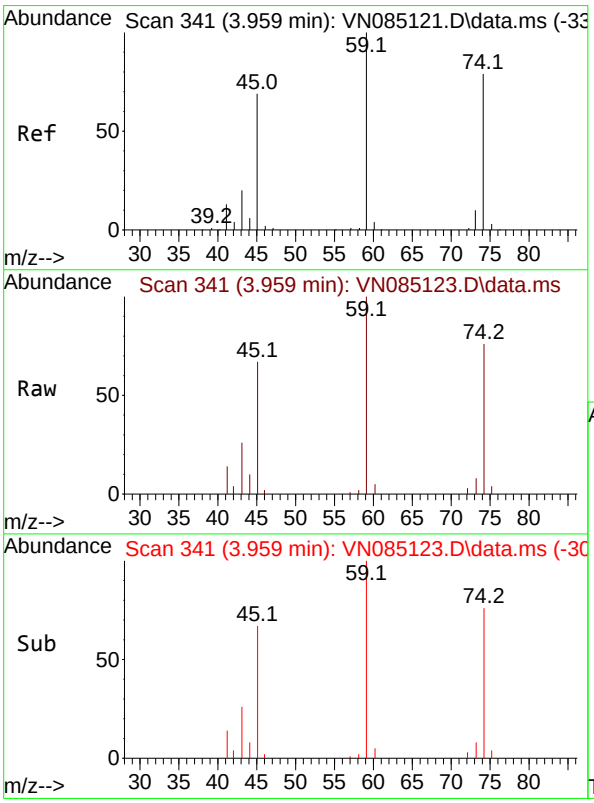
#7
Trichlorofluoromethane
Concen: 21.704 ug/l
RT: 3.500 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion:101 Resp: 88313

Ion	Ratio	Lower	Upper
101	100		
103	61.6	51.3	76.9

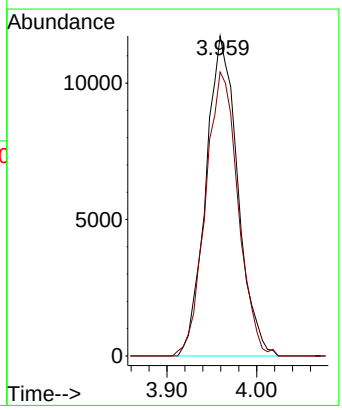


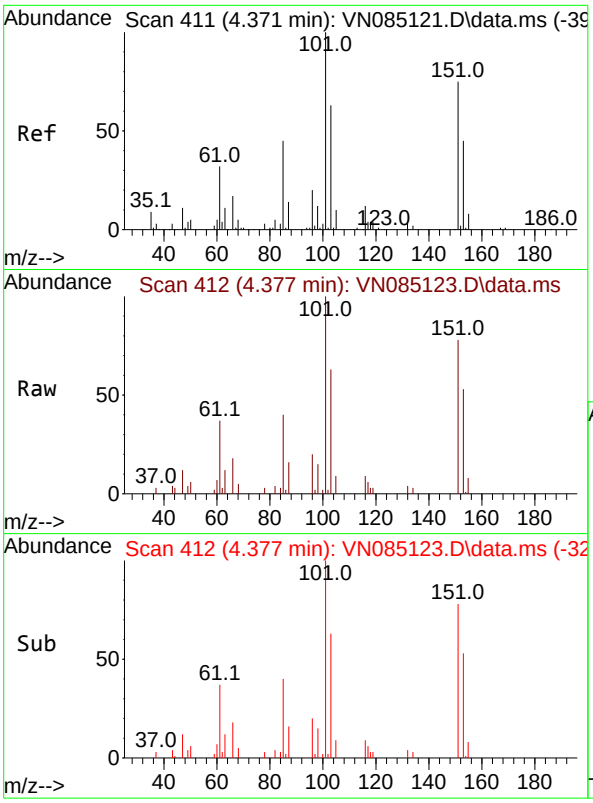


#8
Diethyl Ether
Concen: 22.346 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 74 Resp: 28800

Ion	Ratio	Lower	Upper
74	100		
45	90.7	18.6	167.8



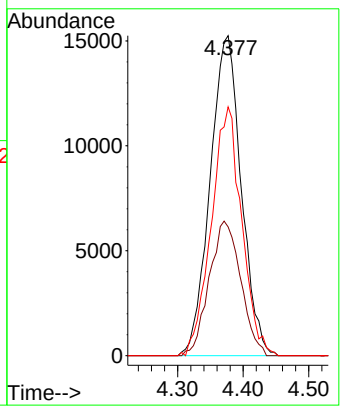


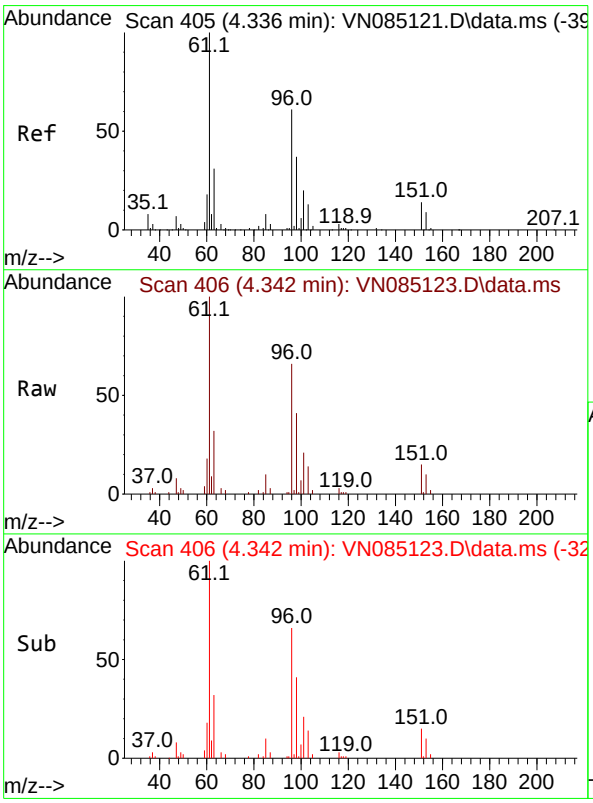
#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.109 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion:101 Resp: 50308

Ion	Ratio	Lower	Upper
101	100		
85	42.5	0.0	88.6
151	75.8	0.0	155.8

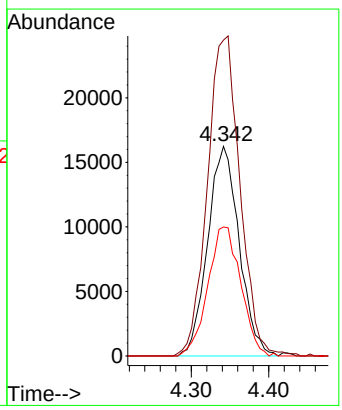


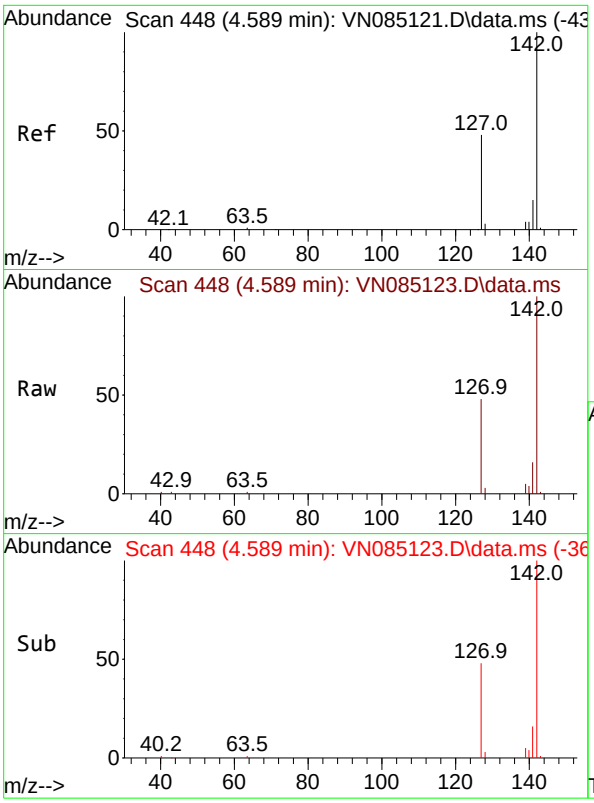


#10
1,1-Dichloroethene
Concen: 21.919 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 96 Resp: 45812

Ion	Ratio	Lower	Upper
96	100		
61	149.4	123.0	184.4
98	61.5	49.1	73.7



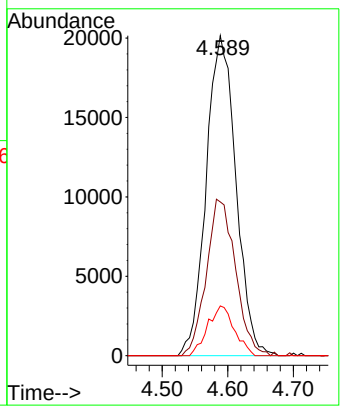


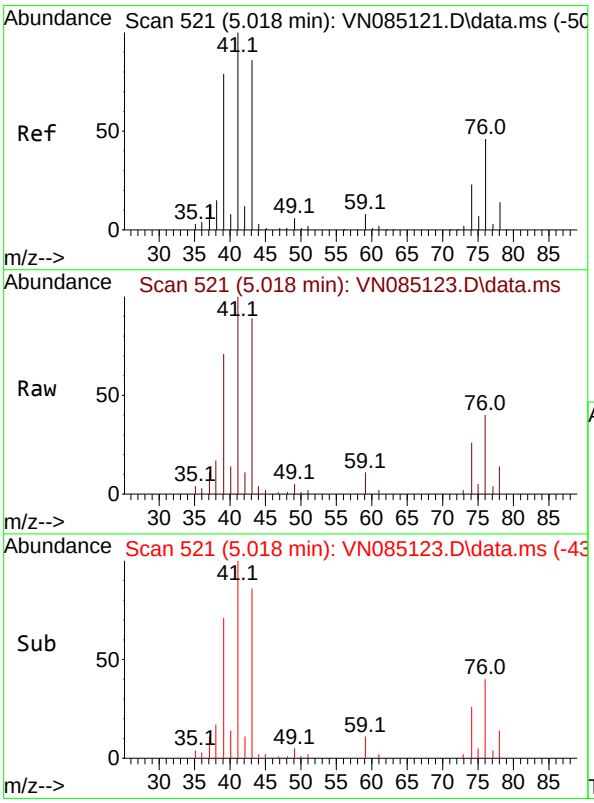
#11
Methyl Iodide
Concen: 21.887 ug/l
RT: 4.589 min Scan# 44
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion:142 Resp: 63446

Ion	Ratio	Lower	Upper
142	100		
127	48.1	22.5	67.5
141	15.5	8.3	24.9

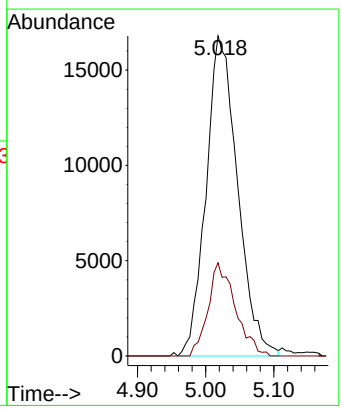


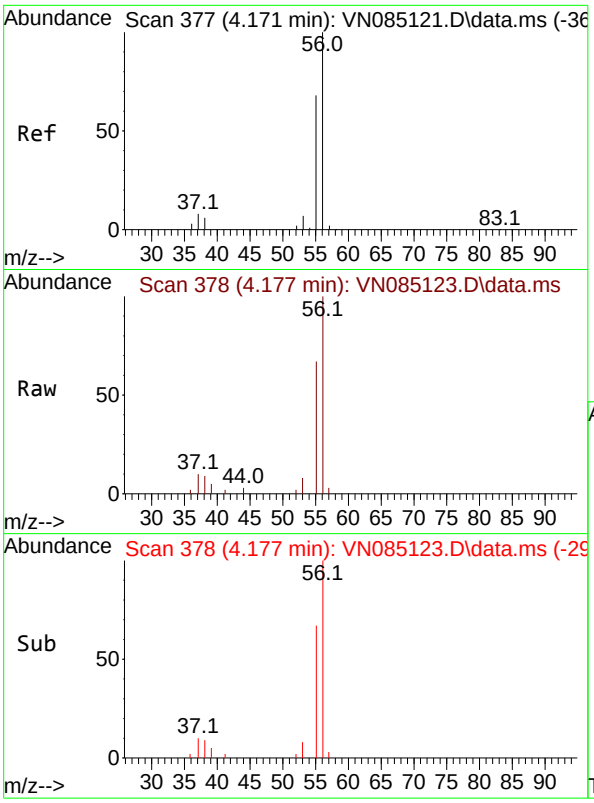


#12
Methyl Acetate
Concen: 21.883 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 43 Resp: 53958

Ion	Ratio	Lower	Upper
43	100		
74	29.3	19.8	29.6



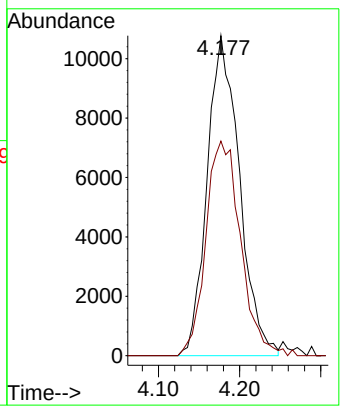


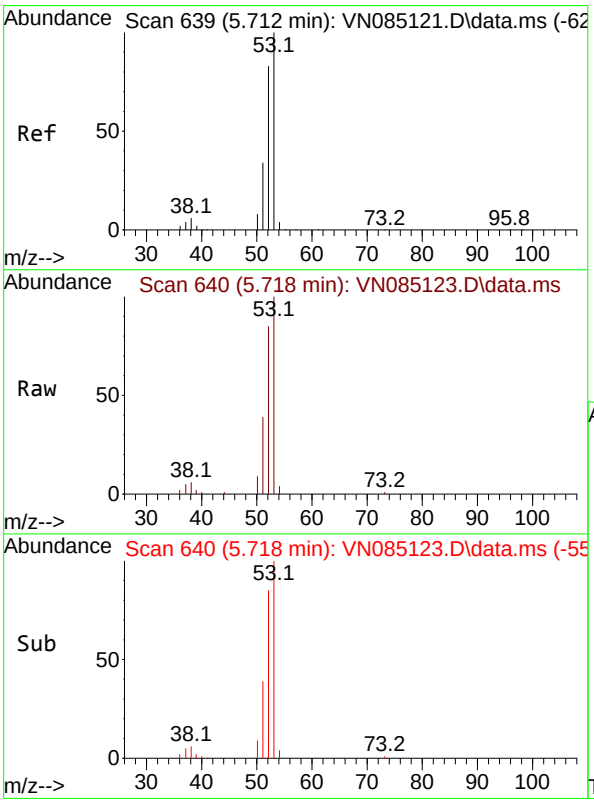
#13
Acrolein
Concen: 83.185 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion: 56 Resp: 29807

Ion	Ratio	Lower	Upper
56	100		
55	71.6	59.4	89.0

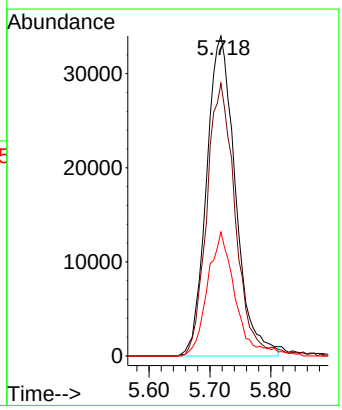


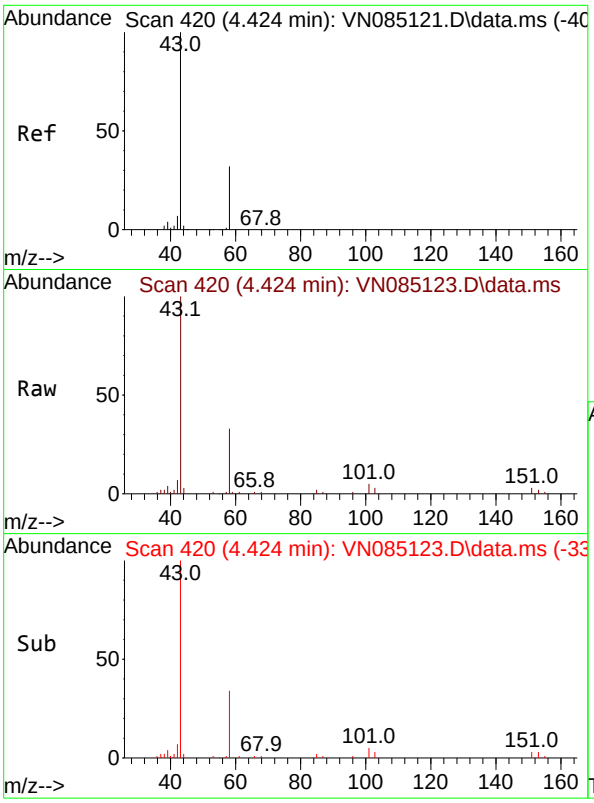


#14
Acrylonitrile
Concen: 109.372 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 53 Resp: 111980

Ion	Ratio	Lower	Upper
53	100		
52	82.8	42.9	128.5
51	37.5	17.2	51.5



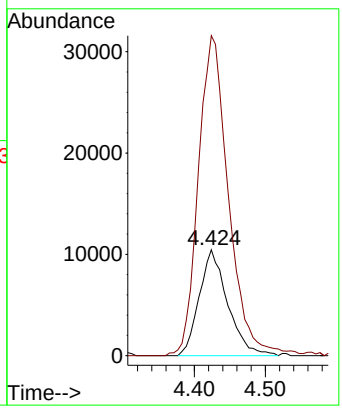


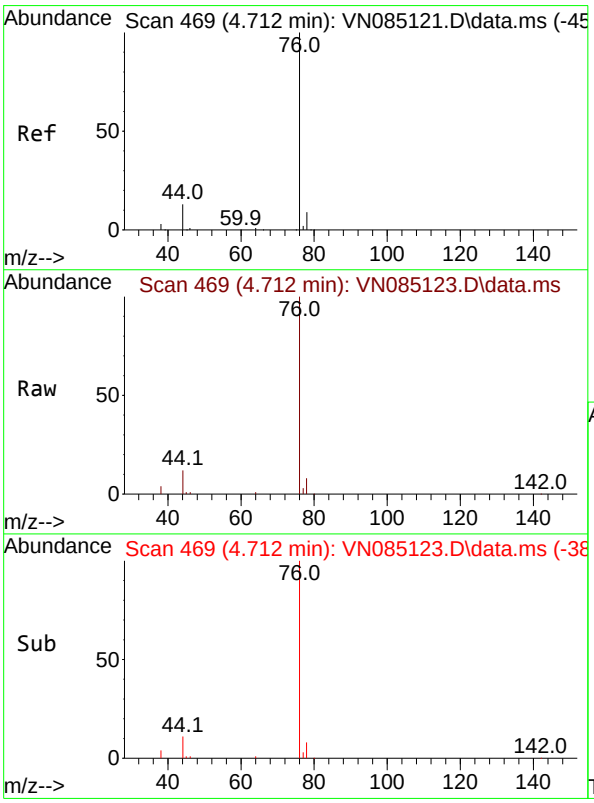
#15
Acetone
Concen: 104.948 ug/l
RT: 4.424 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion: 58 Resp: 29118

Ion	Ratio	Lower	Upper
58	100		
43	296.9	242.3	363.5

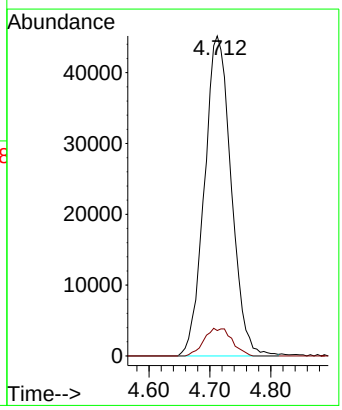


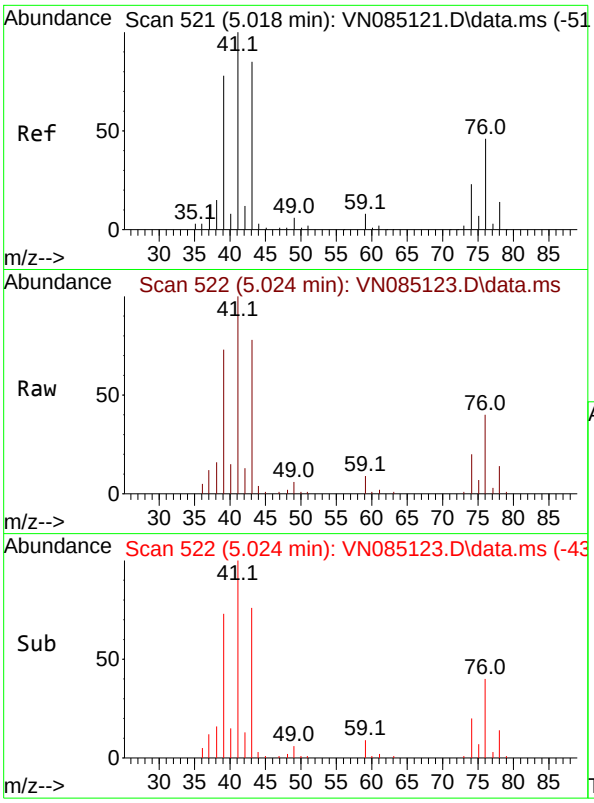


#16
Carbon Disulfide
Concen: 22.068 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 76 Resp: 137866

Ion	Ratio	Lower	Upper
76	100		
78	7.9	7.1	10.7



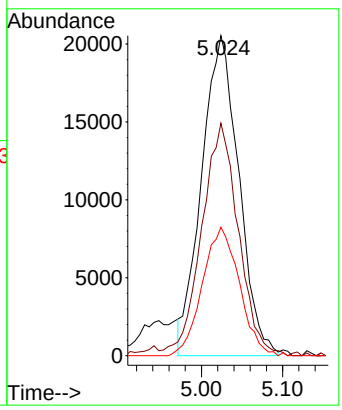


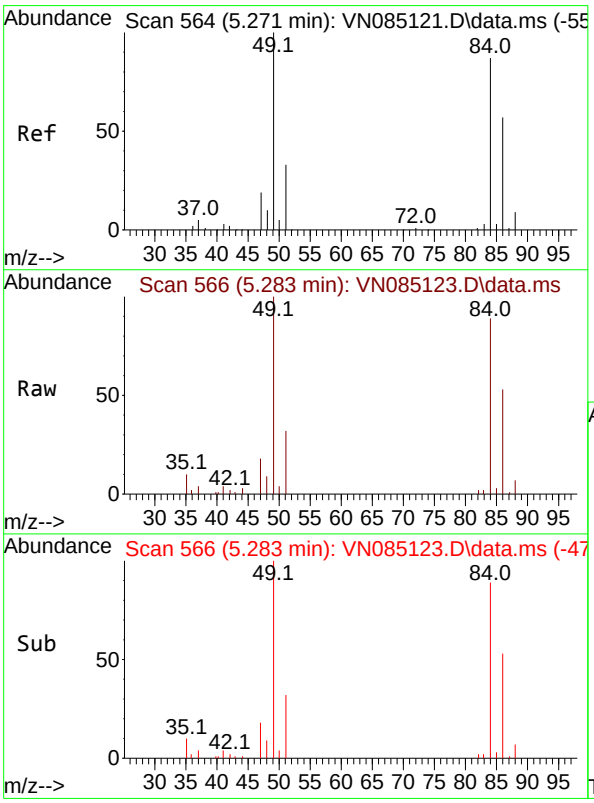
#17
Allyl chloride
Concen: 21.888 ug/l
RT: 5.024 min Scan# 5
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion: 41 Resp: 65461

Ion	Ratio	Lower	Upper
41	100		
39	71.9	32.0	96.2
76	40.6	20.2	60.5

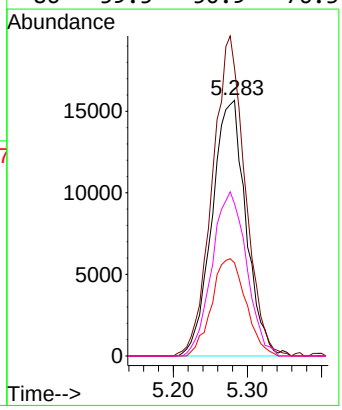


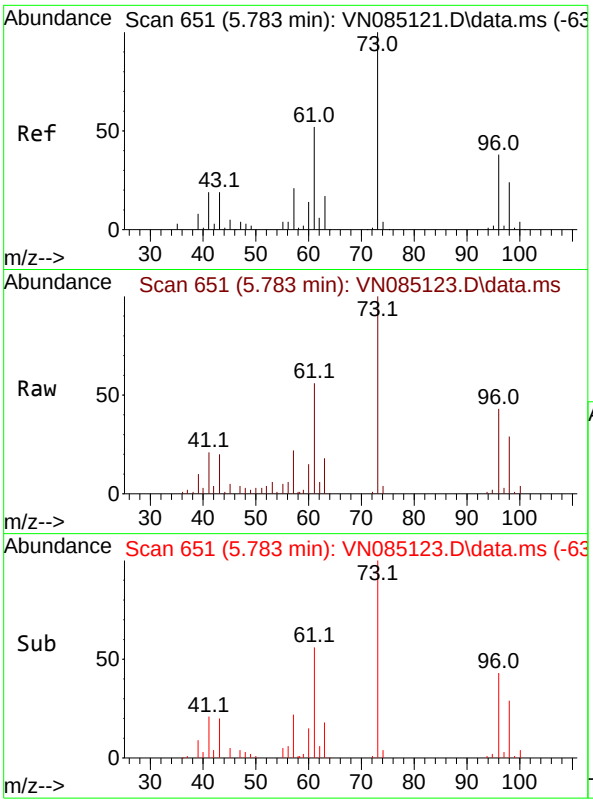


#18
Methylene Chloride
Concen: 20.936 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 84 Resp: 49652

Ion	Ratio	Lower	Upper
84	100		
49	111.4	95.1	142.7
51	36.4	27.4	41.0
86	59.5	50.9	76.3



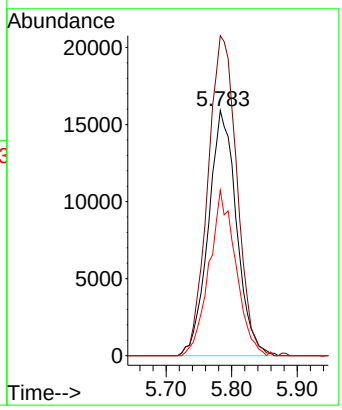


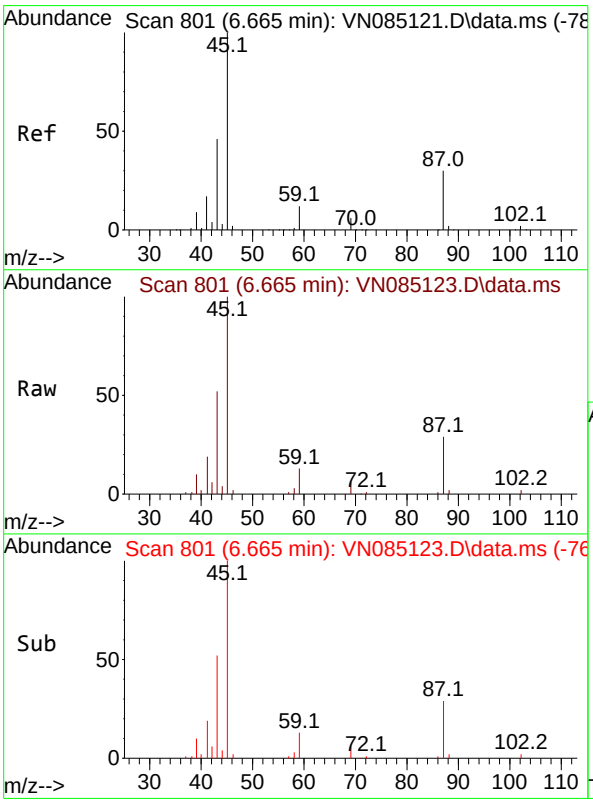
#19
trans-1,2-Dichloroethene
Concen: 21.862 ug/l
RT: 5.783 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion: 96 Resp: 47495

Ion	Ratio	Lower	Upper
96	100		
61	130.6	100.4	150.6
98	67.5	52.6	79.0

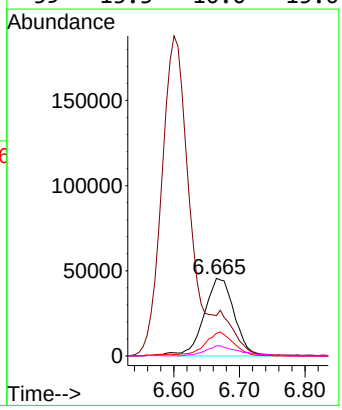


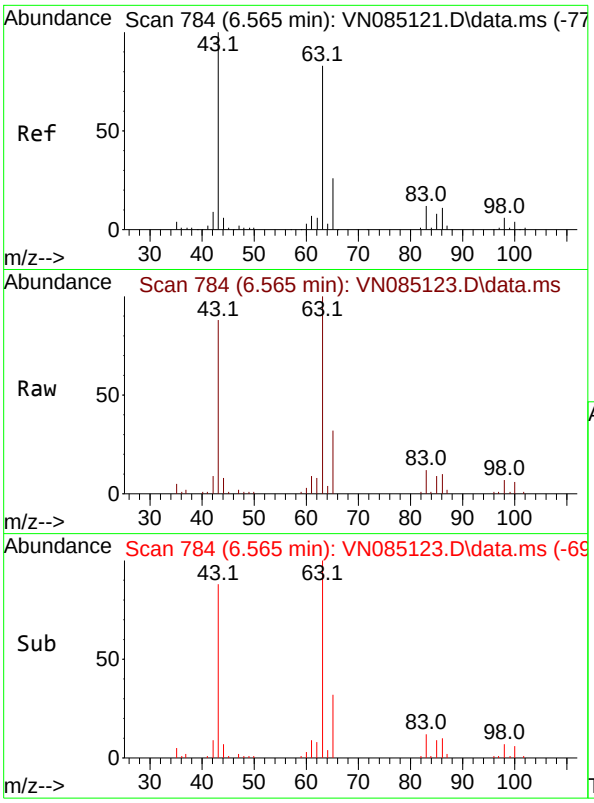


#20
Diisopropyl ether
Concen: 21.853 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 45 Resp: 143427

Ion	Ratio	Lower	Upper
45	100		
43	50.6	41.9	62.9
87	29.5	24.1	36.1
59	13.3	10.0	15.0



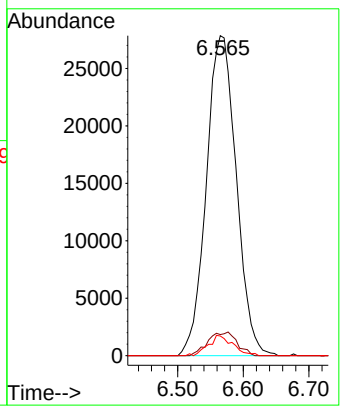


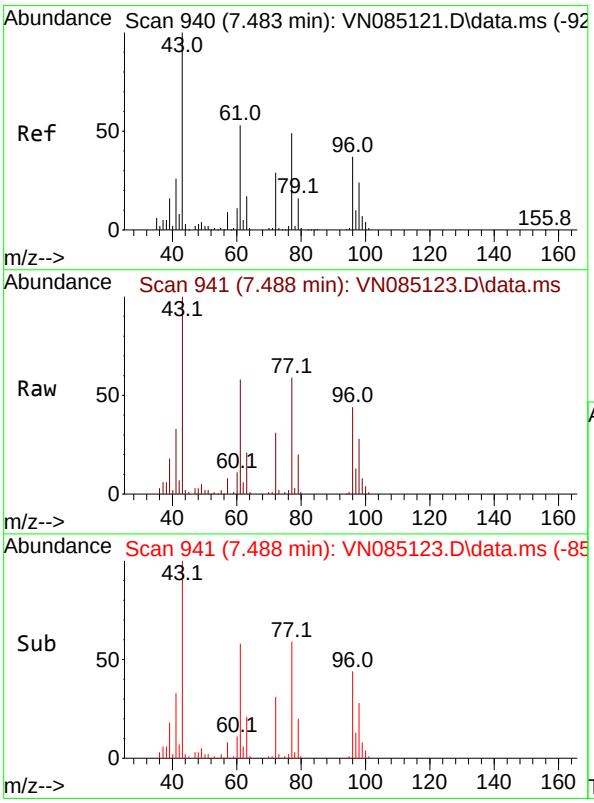
#21
1,1-Dichloroethane
Concen: 21.811 ug/l
RT: 6.565 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion: 63 Resp: 88356

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.5	10.4
100	6.1	1.6	4.8#

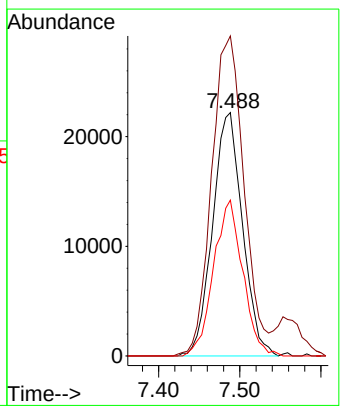


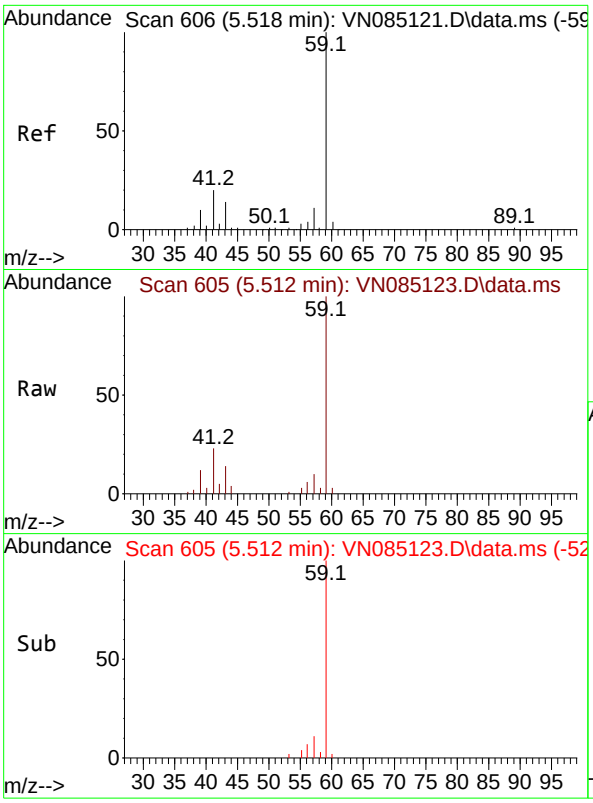


#22
cis-1,2-Dichloroethene
Concen: 22.742 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 96 Resp: 56787

Ion	Ratio	Lower	Upper
96	100		
61	142.2	115.9	173.9
98	62.3	51.8	77.8



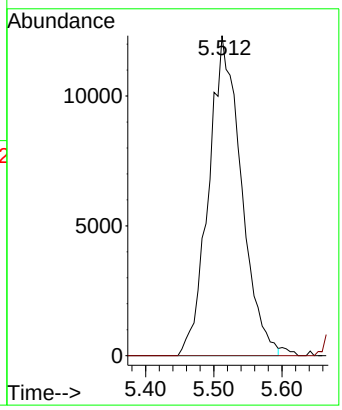


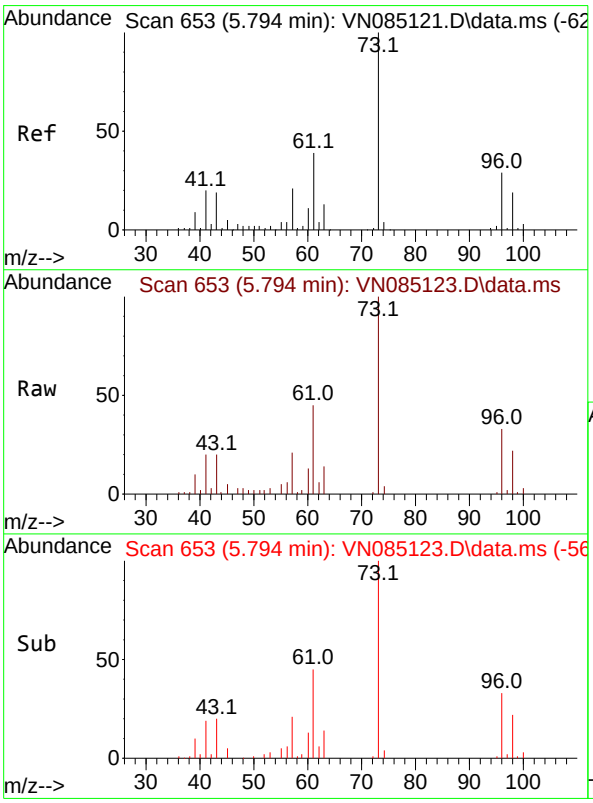
#23
tert-Butyl Alcohol
Concen: 111.884 ug/l
RT: 5.512 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion: 59 Resp: 41094

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

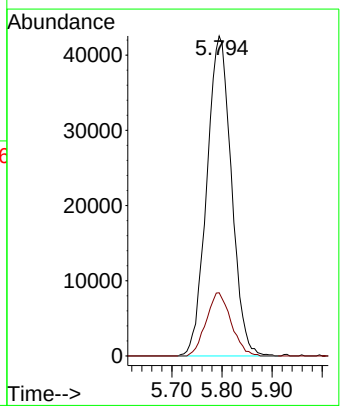


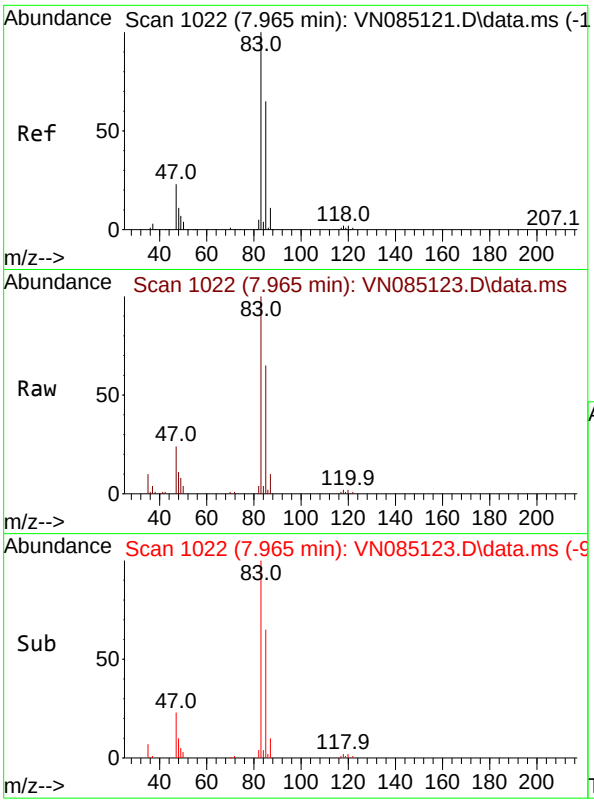


#24
Methyl tert-Butyl Ether
Concen: 22.254 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 73 Resp: 145319

Ion	Ratio	Lower	Upper
73	100		
43	20.0	8.7	13.1#



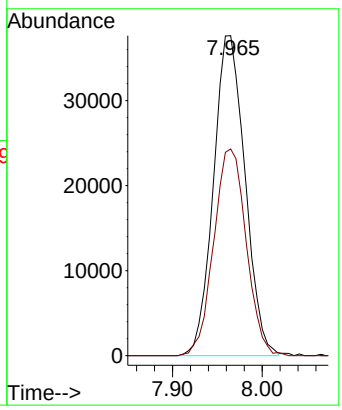


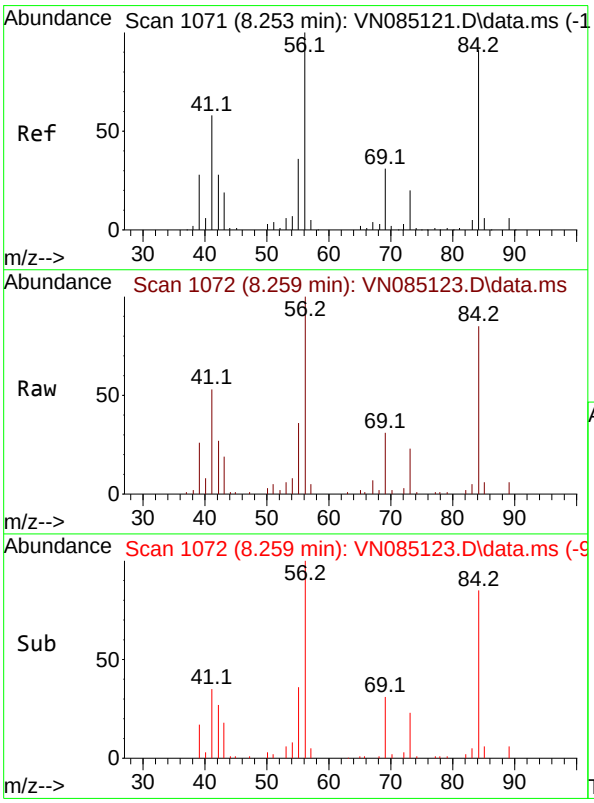
#25
Chloroform
Concen: 21.669 ug/l
RT: 7.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion: 83 Resp: 91959

Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.4	74.0

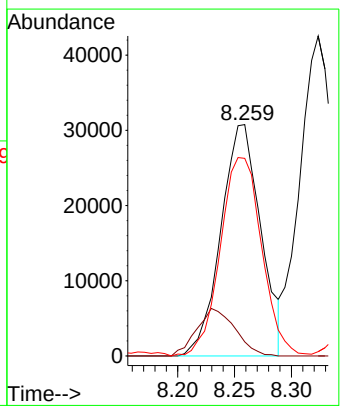


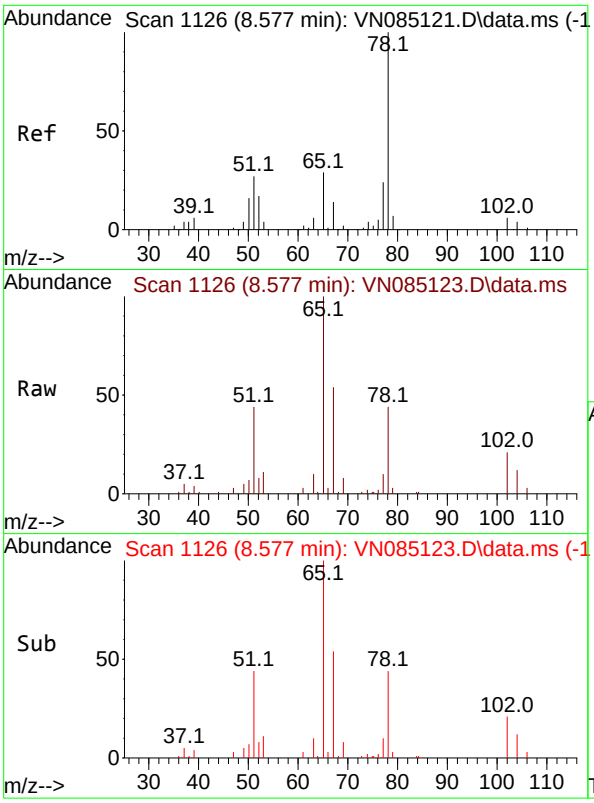


#26
Cyclohexane
Concen: 22.553 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. 0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 56 Resp: 75227

Ion	Ratio	Lower	Upper
56	100		
89	19.7	19.5	29.3
84	89.0	70.6	105.8



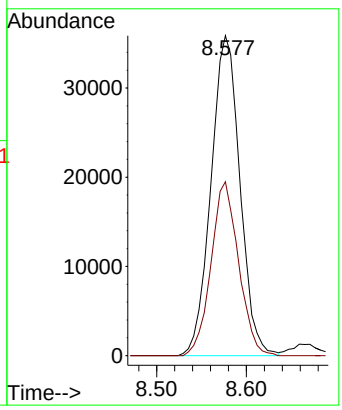


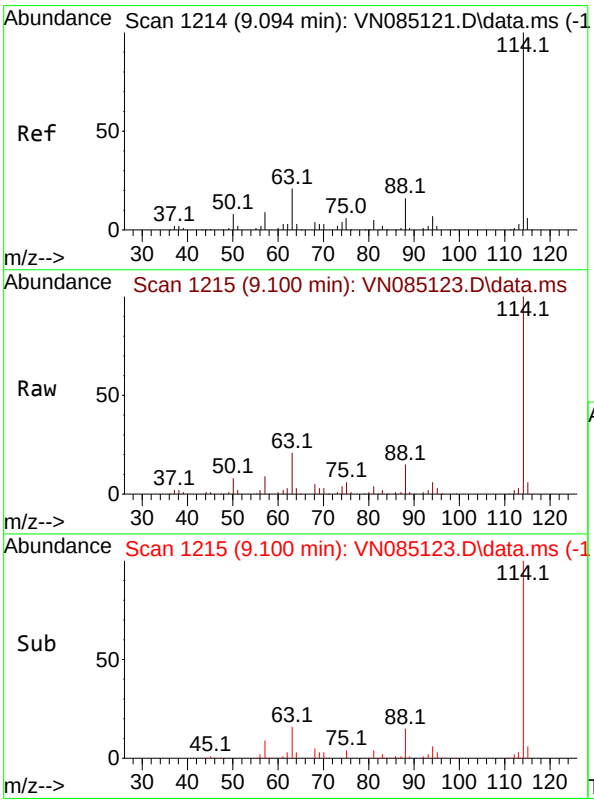
#27
1,2-Dichloroethane-d4
Concen: 29.493 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion: 65 Resp: 80315

Ion	Ratio	Lower	Upper
65	100		
67	51.7	39.9	59.9

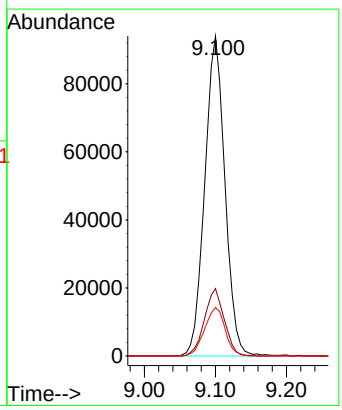


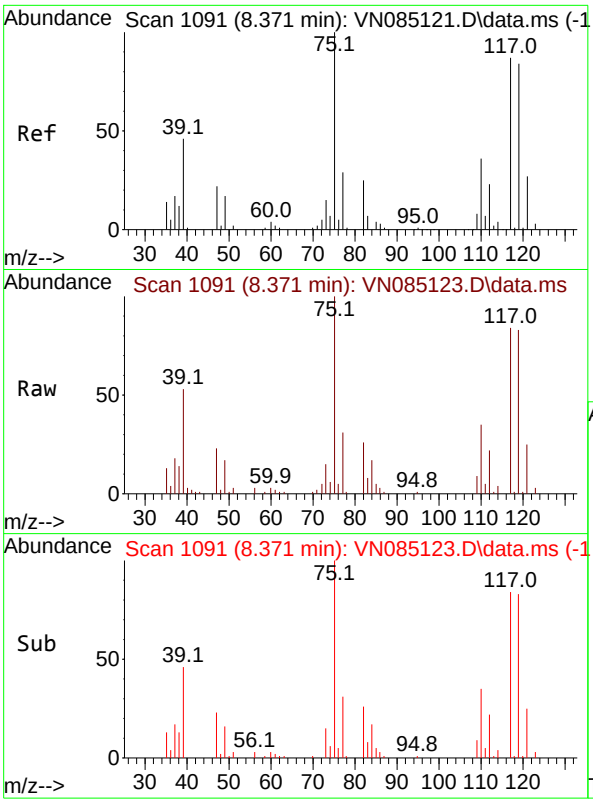


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:114 Resp: 185717

Ion	Ratio	Lower	Upper
114	100		
63	20.5	16.2	24.2
88	15.5	12.5	18.7



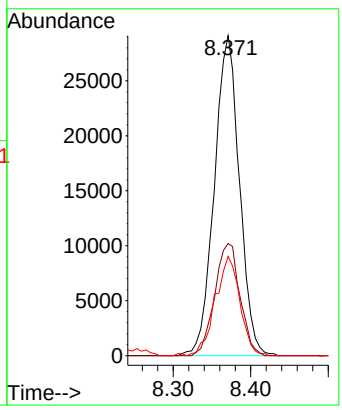


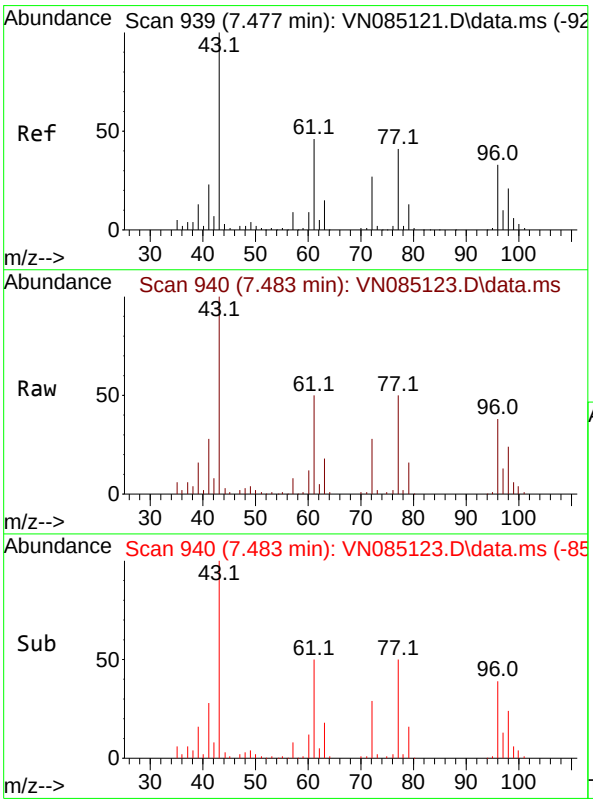
#29
1,1-Dichloropropene
Concen: 21.858 ug/l
RT: 8.371 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion: 75 Resp: 65505

Ion	Ratio	Lower	Upper
75	100		
110	35.2	0.0	71.6
77	30.4	0.0	62.2

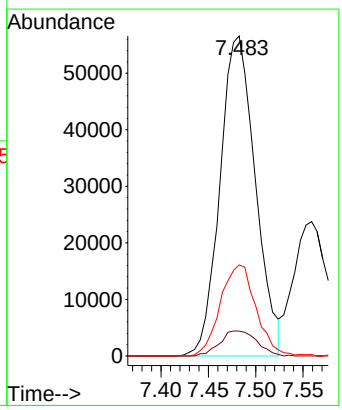


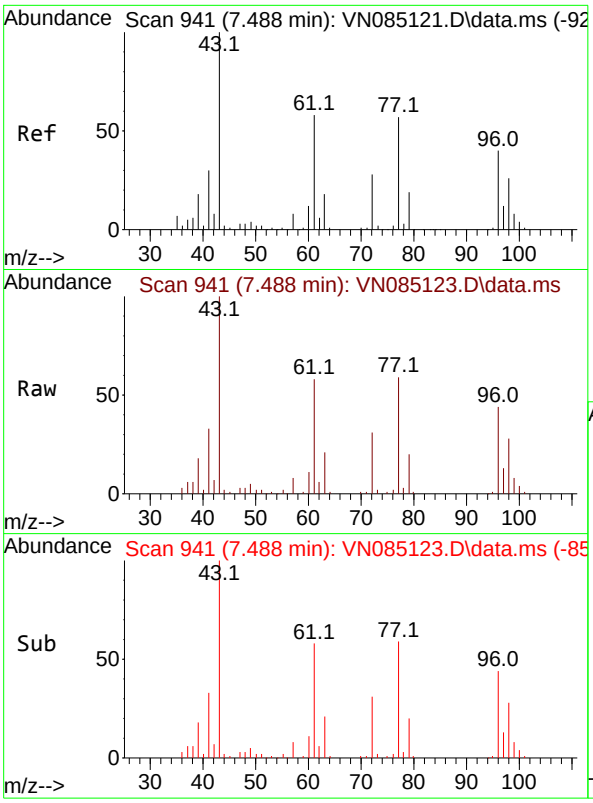


#30
2-Butanone
Concen: 107.048 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 43 Resp: 147216

Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.9	10.3
72	28.5	21.8	32.8



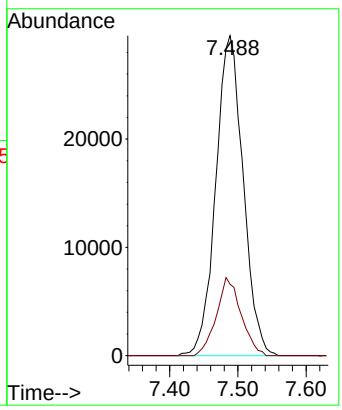


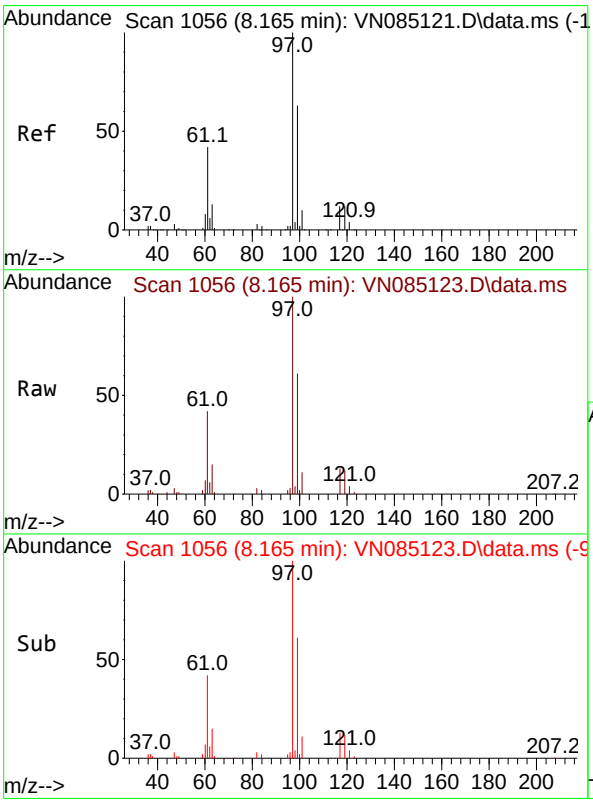
#31
2,2-Dichloropropane
Concen: 21.490 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion: 77 Resp: 82584

Ion	Ratio	Lower	Upper
77	100		
97	22.0	0.0	0.0#

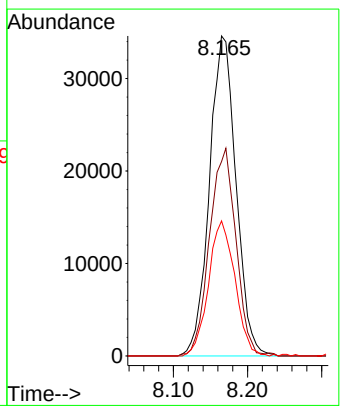


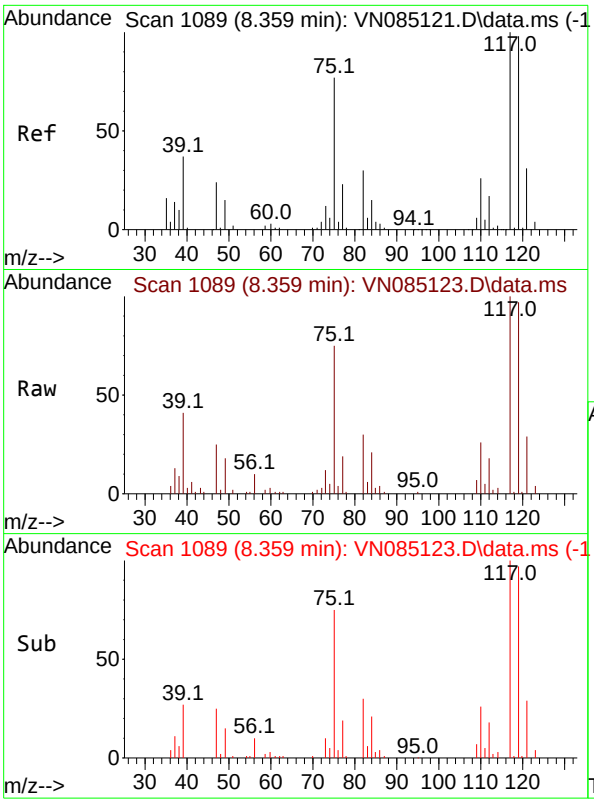


#32
1,1,1-Trichloroethane
Concen: 21.275 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 97 Resp: 86299

Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.8	76.2
61	42.0	32.7	49.1



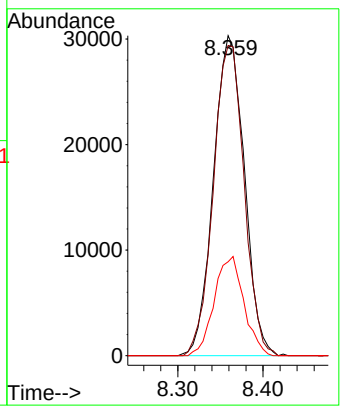


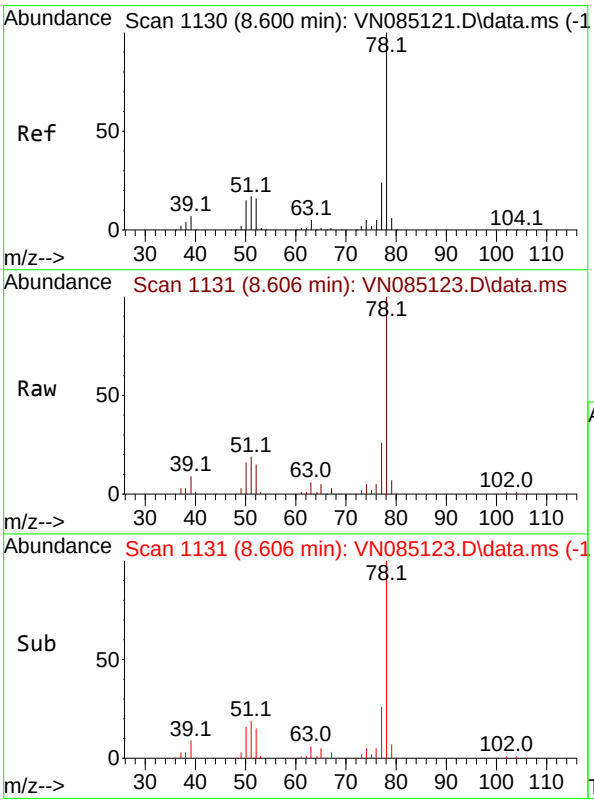
#33
Carbon Tetrachloride
Concen: 20.855 ug/l
RT: 8.359 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion:117 Resp: 76333

Ion	Ratio	Lower	Upper
117	100		
119	97.0	81.6	122.4
121	29.3	26.5	39.7

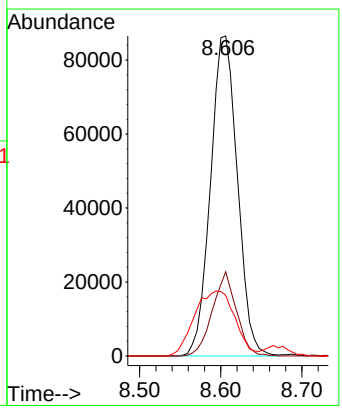


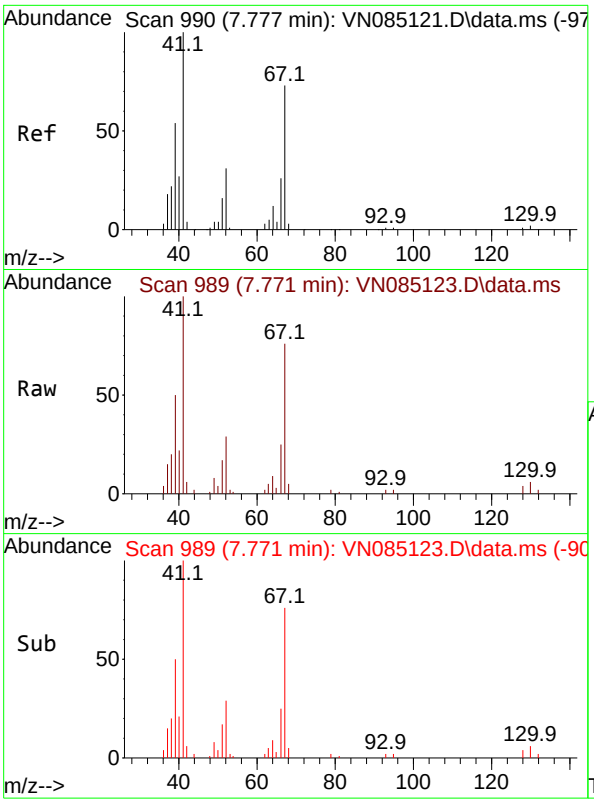


#34
Benzene
Concen: 21.162 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 78 Resp: 199228

Ion	Ratio	Lower	Upper
78	100		
77	26.3	18.0	27.0
51	17.3	12.4	18.6



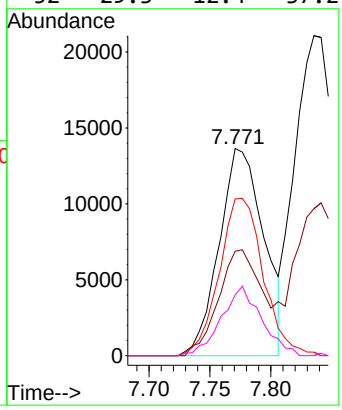


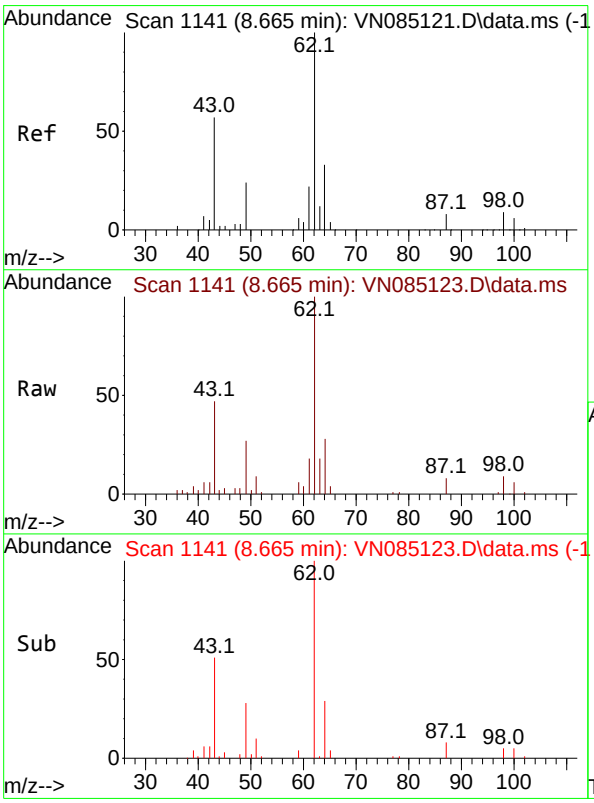
#35
Methacrylonitrile
Concen: 22.464 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion: 41 Resp: 34766

Ion	Ratio	Lower	Upper
41	100		
39	50.4	24.4	73.2
67	75.7	37.0	110.9
52	29.3	12.4	37.2

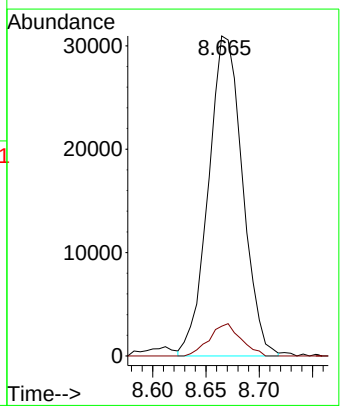


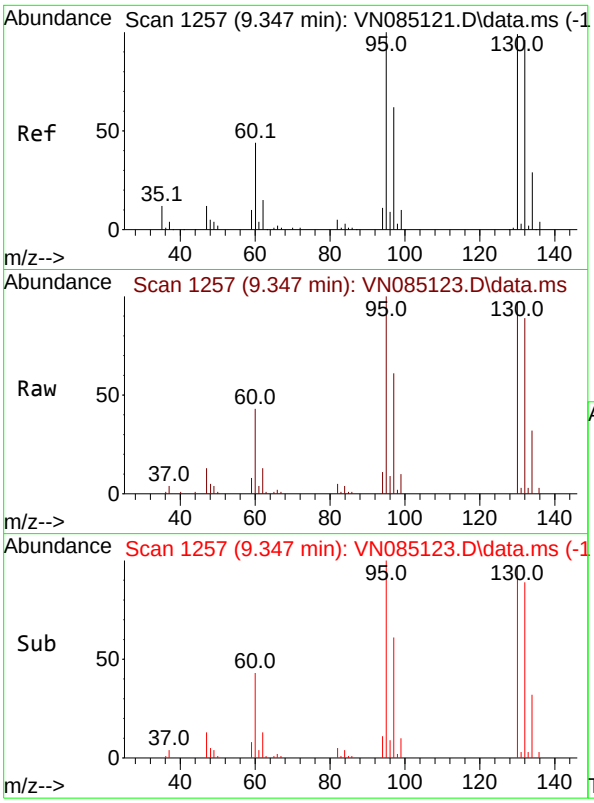


#36
1,2-Dichloroethane
Concen: 21.505 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 62 Resp: 68920

Ion	Ratio	Lower	Upper
62	100		
98	9.3	7.3	10.9



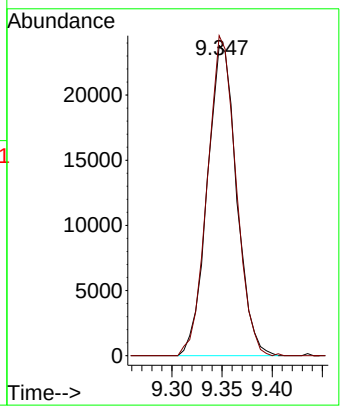


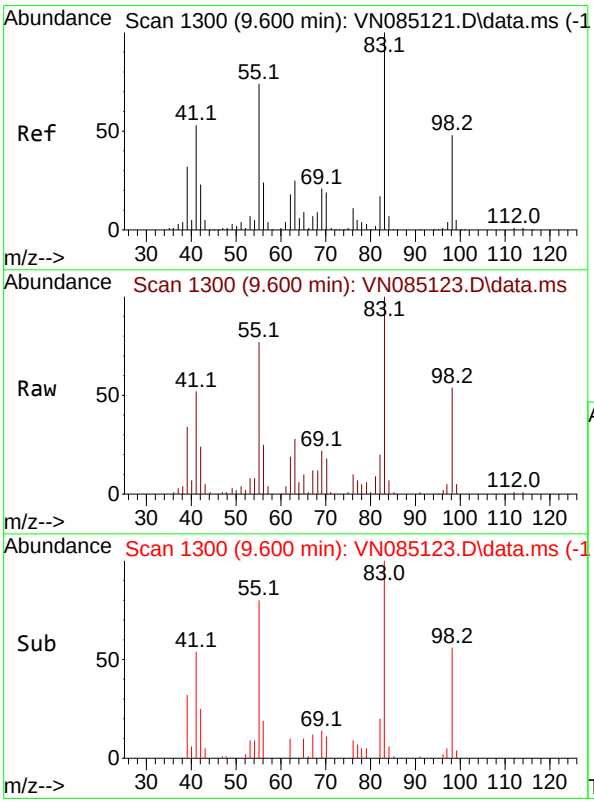
#37
Trichloroethene
Concen: 21.558 ug/l
RT: 9.347 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion:130 Resp: 48331

Ion	Ratio	Lower	Upper
130	100		
95	103.2	76.2	114.4

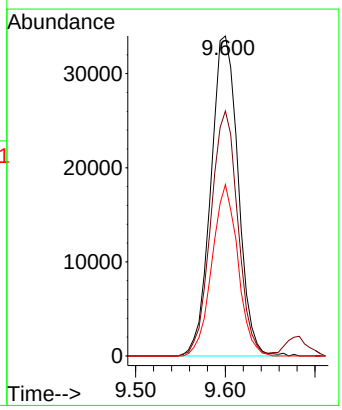


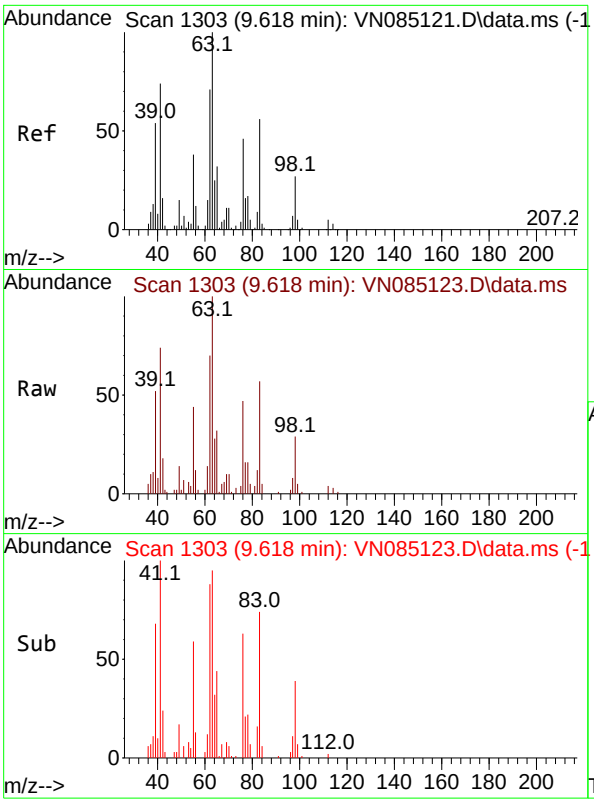


#38
Methylcyclohexane
Concen: 22.020 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 83 Resp: 71750

Ion	Ratio	Lower	Upper
83	100		
55	76.0	41.4	124.4
98	50.9	25.7	77.1



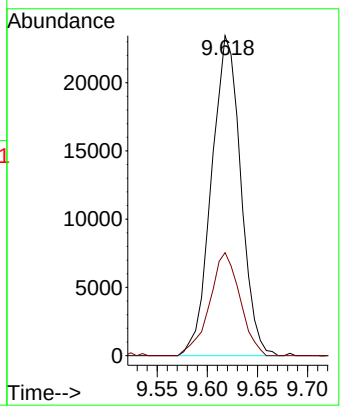


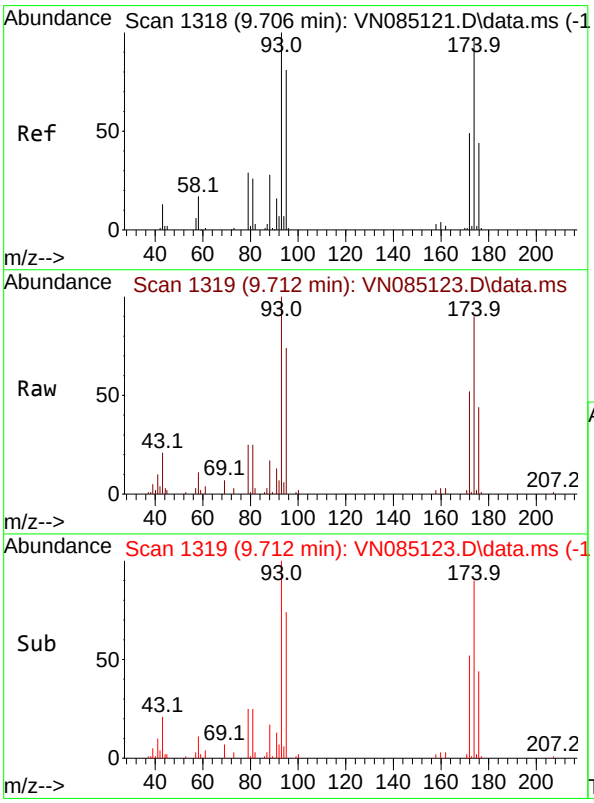
#39
1,2-Dichloropropane
Concen: 20.867 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion: 63 Resp: 47583

Ion	Ratio	Lower	Upper
63	100		
65	32.2	23.4	35.0

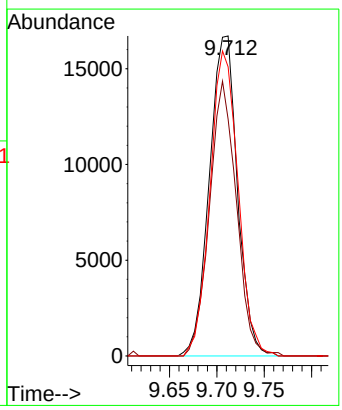


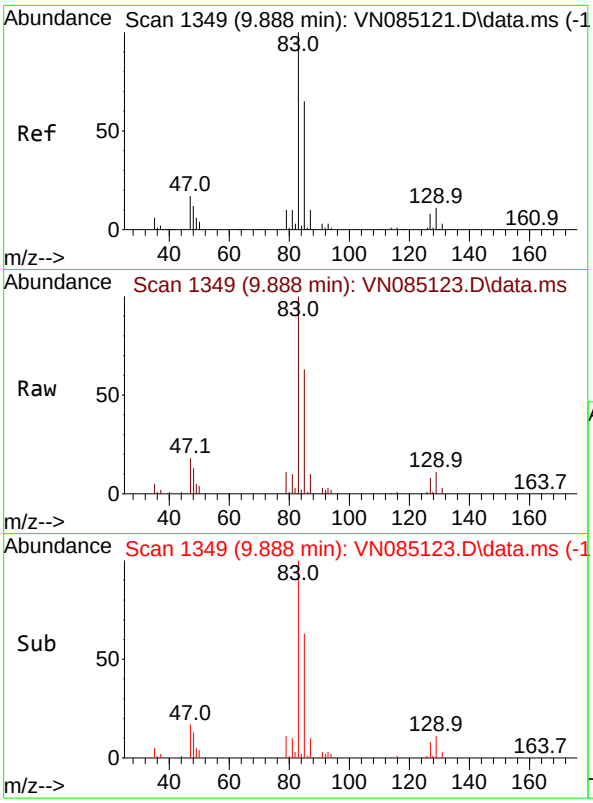


#40
Dibromomethane
Concen: 21.127 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 93 Resp: 34556

Ion	Ratio	Lower	Upper
93	100		
95	81.6	0.0	169.4
174	95.0	0.0	189.8



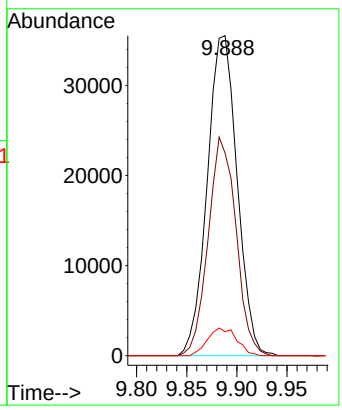


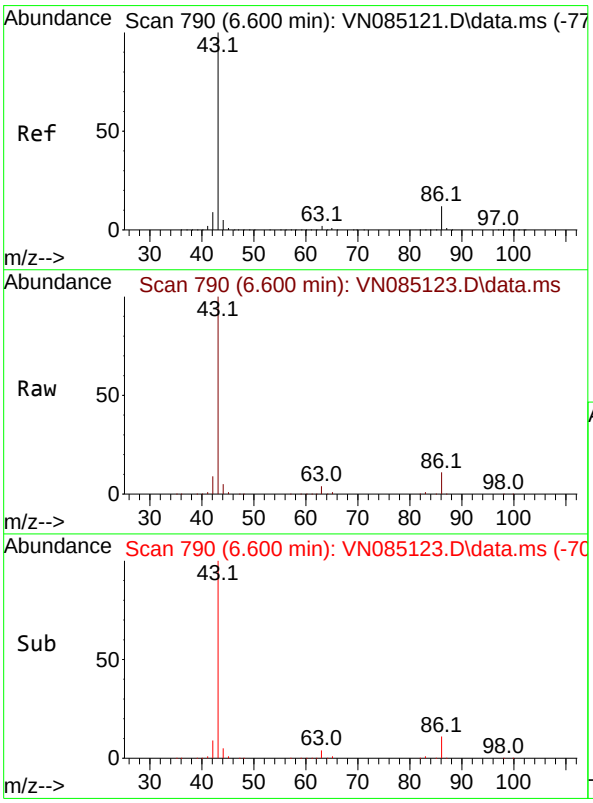
#41
Bromodichloromethane
Concen: 21.117 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion: 83 Resp: 73839

Ion	Ratio	Lower	Upper
83	100		
85	63.3	54.6	81.8
127	7.5	7.0	10.6

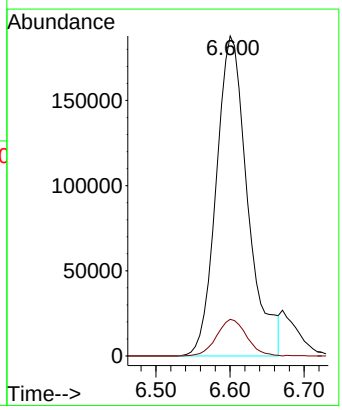


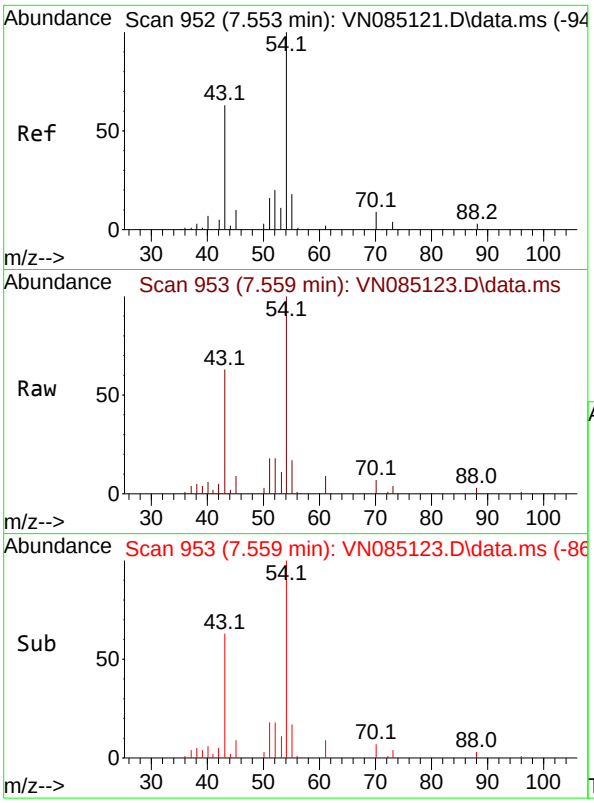


#42
Vinyl Acetate
Concen: 115.256 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 43 Resp: 554646

Ion	Ratio	Lower	Upper
43	100		
86	10.9	9.2	13.8



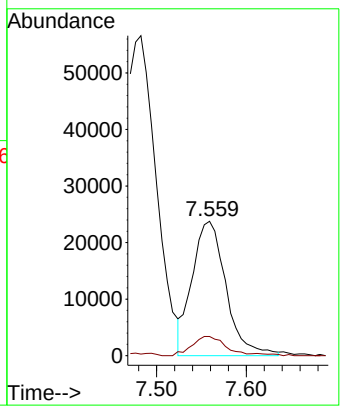


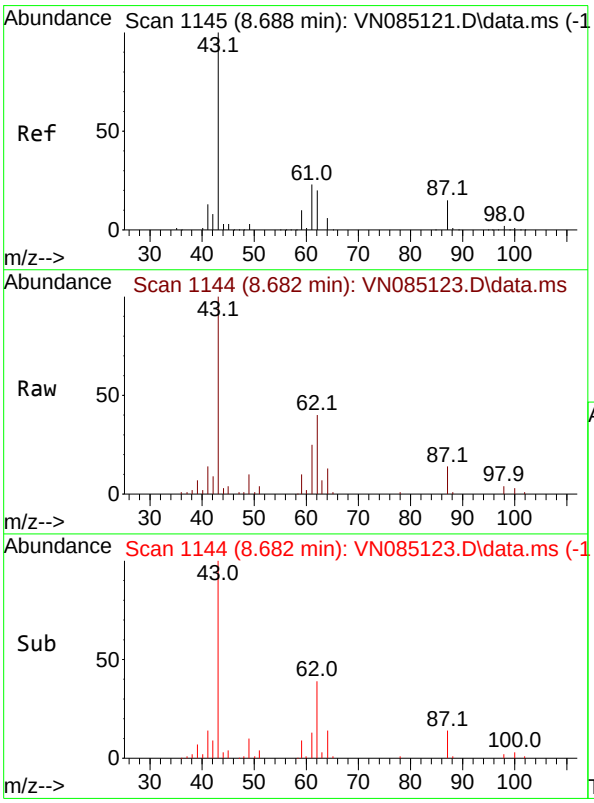
#43
Ethyl Acetate
Concen: 22.807 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion: 43 Resp: 62407

Ion	Ratio	Lower	Upper
43	100		
45	13.7	13.3	19.9

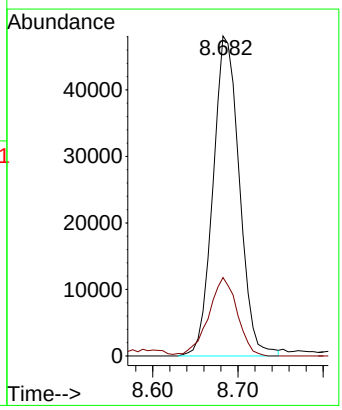


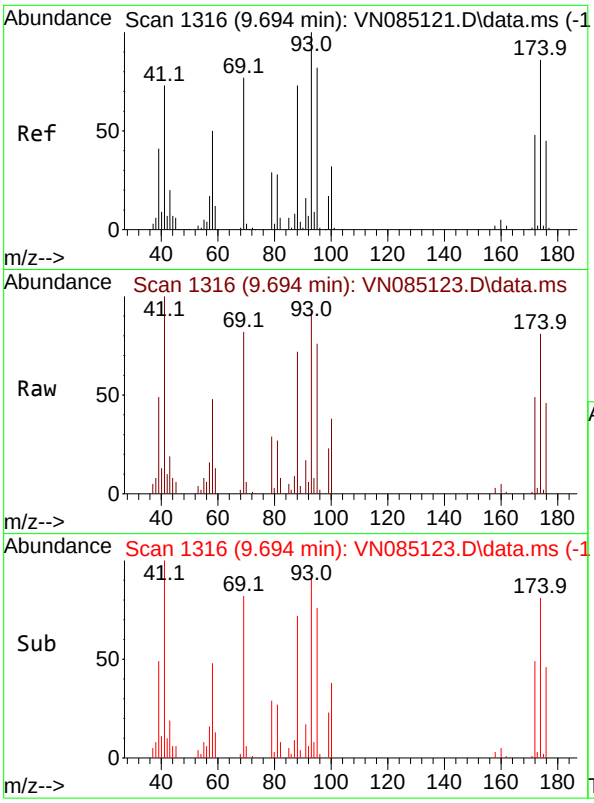


#44
Isopropyl Acetate
Concen: 21.770 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 43 Resp: 103521

Ion	Ratio	Lower	Upper
43	100		
61	26.8	21.5	32.3



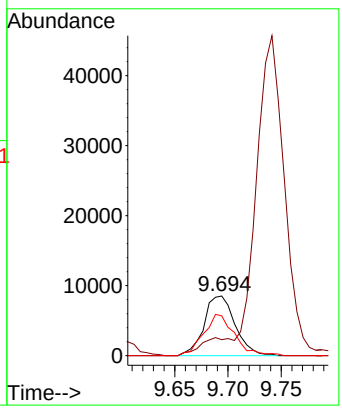


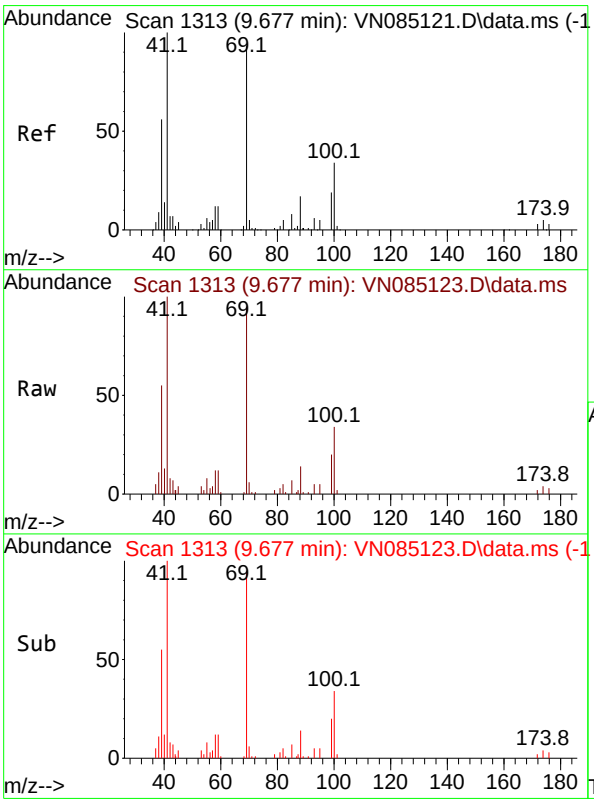
#45
1,4-Dioxane
Concen: 437.438 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion: 88 Resp: 17346

Ion	Ratio	Lower	Upper
88	100		
43	31.7	21.7	32.5
58	67.5	52.6	79.0

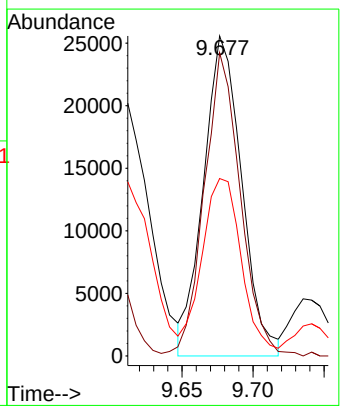


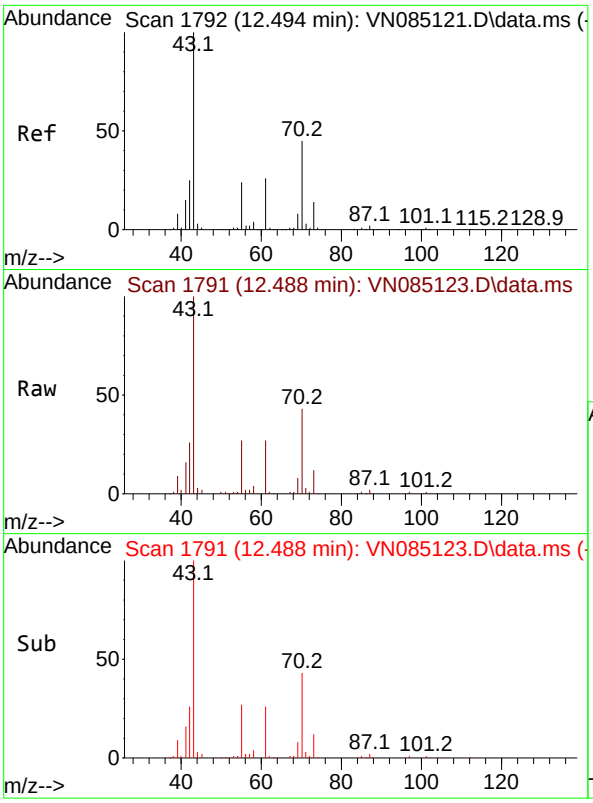


#46
Methyl methacrylate
Concen: 21.989 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 41 Resp: 47854

Ion	Ratio	Lower	Upper
41	100		
69	98.5	46.7	140.0
39	56.0	28.5	85.5



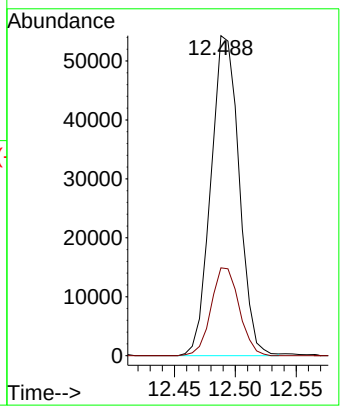


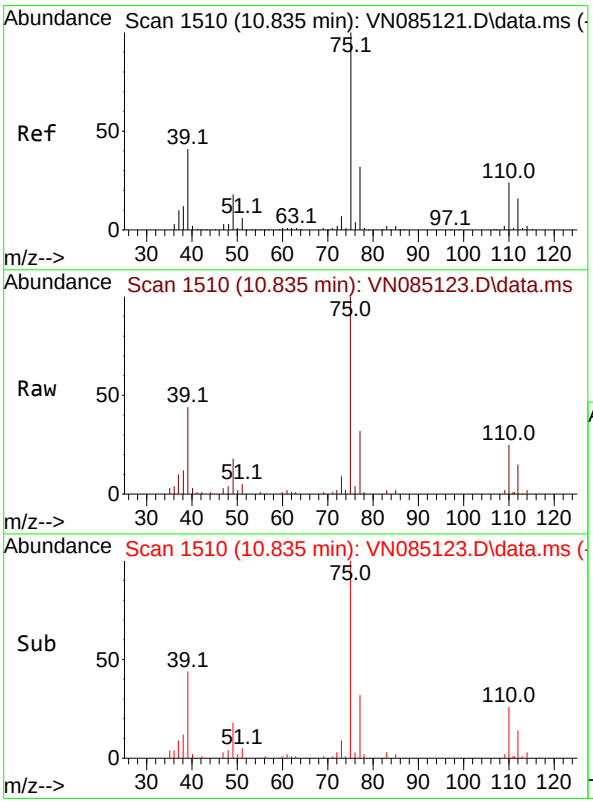
#47
n-amyl Acetate
Concen: 21.920 ug/l
RT: 12.488 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion: 43 Resp: 87700

Ion	Ratio	Lower	Upper
43	100		
55	27.3	23.3	34.9

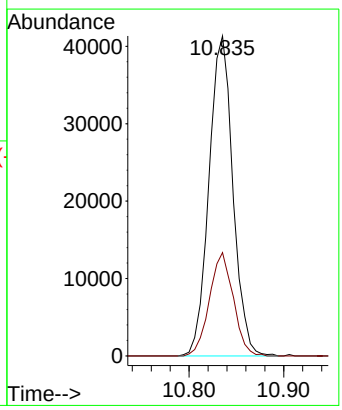


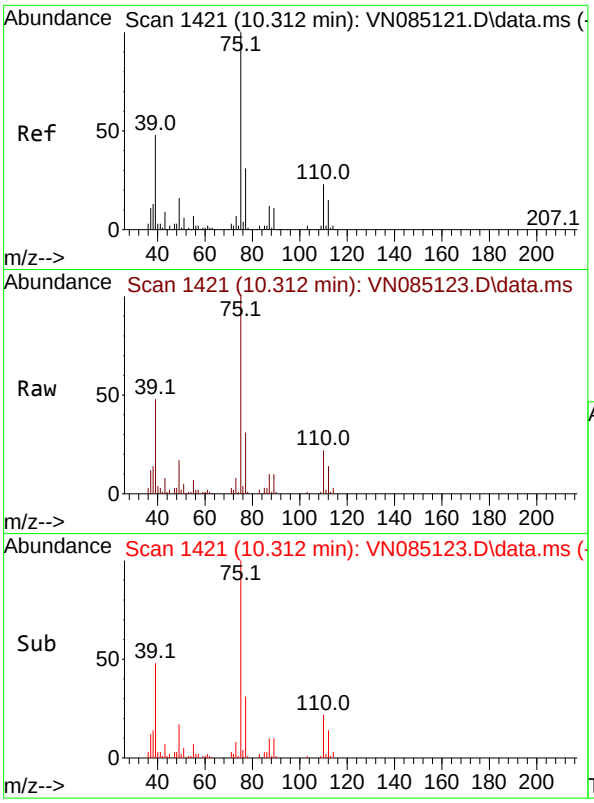


#48
t-1,3-Dichloropropene
Concen: 21.161 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 75 Resp: 72633

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.5	38.3



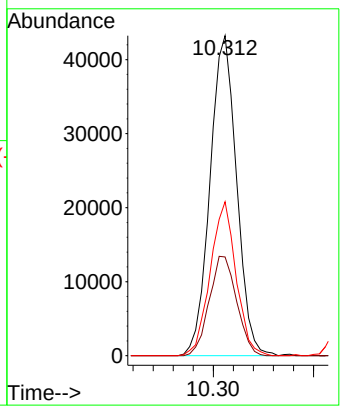


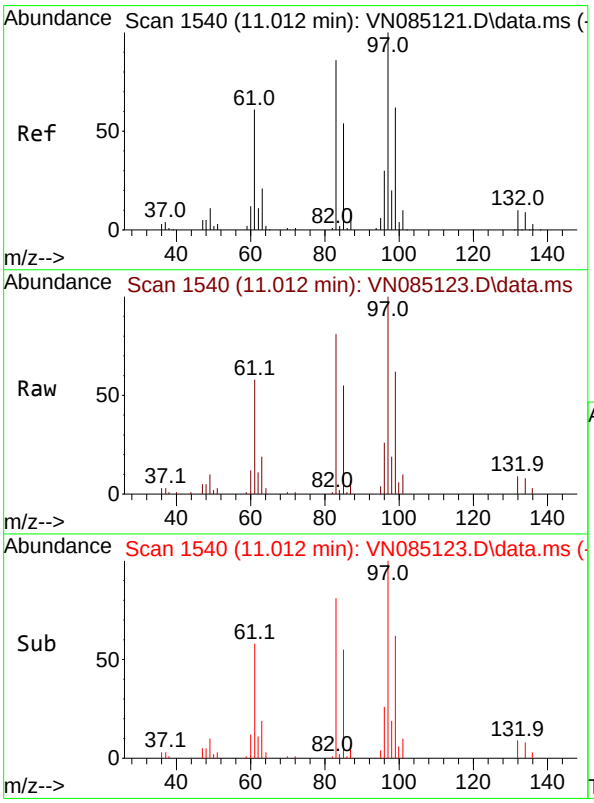
#49
cis-1,3-Dichloropropene
Concen: 21.333 ug/l
RT: 10.312 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion: 75 Resp: 79711

Ion	Ratio	Lower	Upper
75	100		
77	30.9	23.8	35.6
39	48.1	37.3	55.9

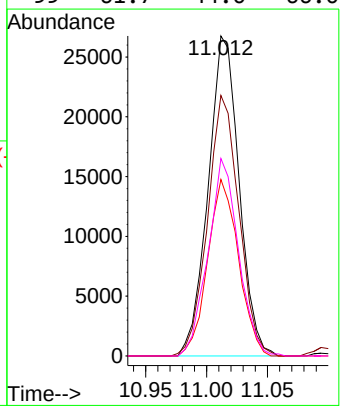


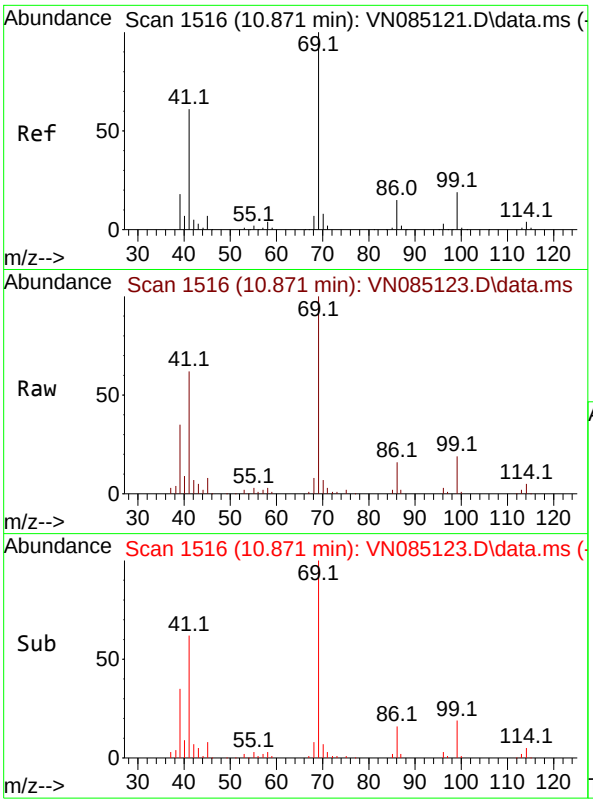


#50
1,1,2-Trichloroethane
Concen: 21.441 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 97 Resp: 47258

Ion	Ratio	Lower	Upper
97	100		
83	81.4	65.8	98.8
85	55.1	40.8	61.2
99	61.7	44.0	66.0



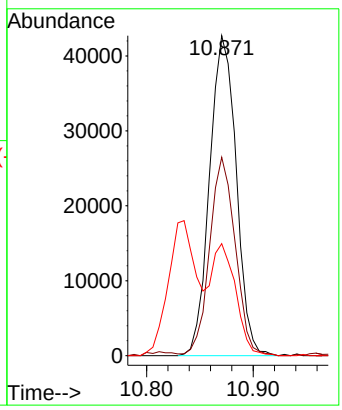


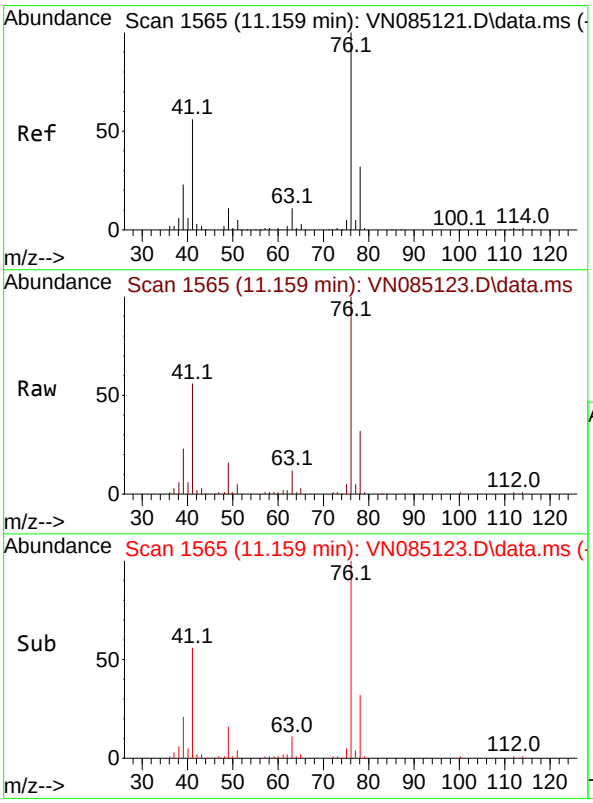
#51
Ethyl methacrylate
Concen: 22.113 ug/l
RT: 10.871 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion: 69 Resp: 74129

Ion	Ratio	Lower	Upper
69	100		
41	62.0	32.1	96.3
39	35.0	18.8	56.4

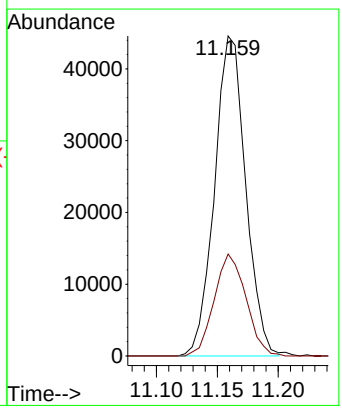


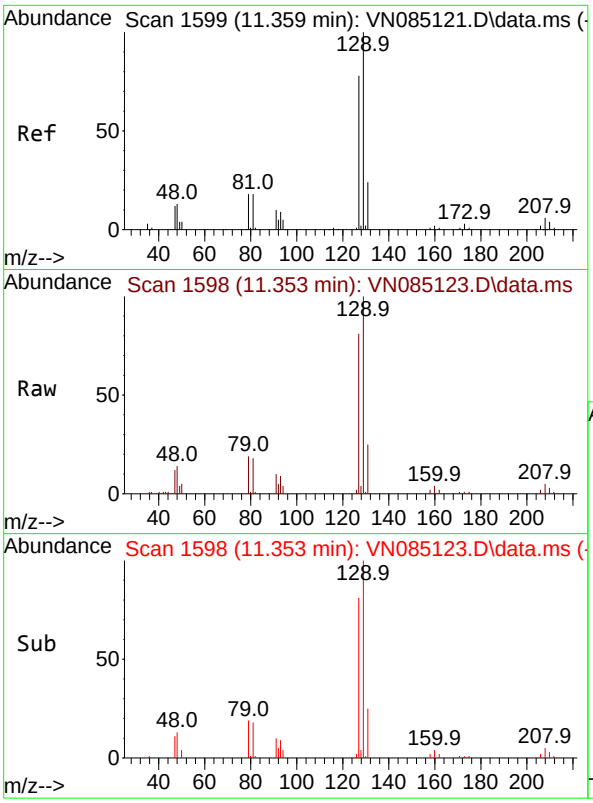


#52
1,3-Dichloropropane
Concen: 21.486 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 76 Resp: 79252

Ion	Ratio	Lower	Upper
76	100		
78	32.5	0.0	65.6



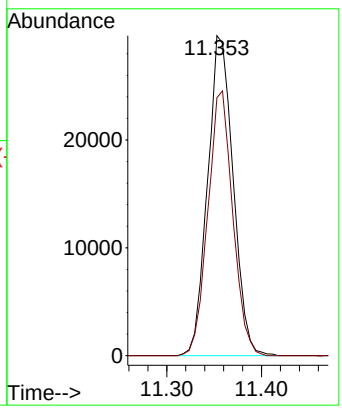


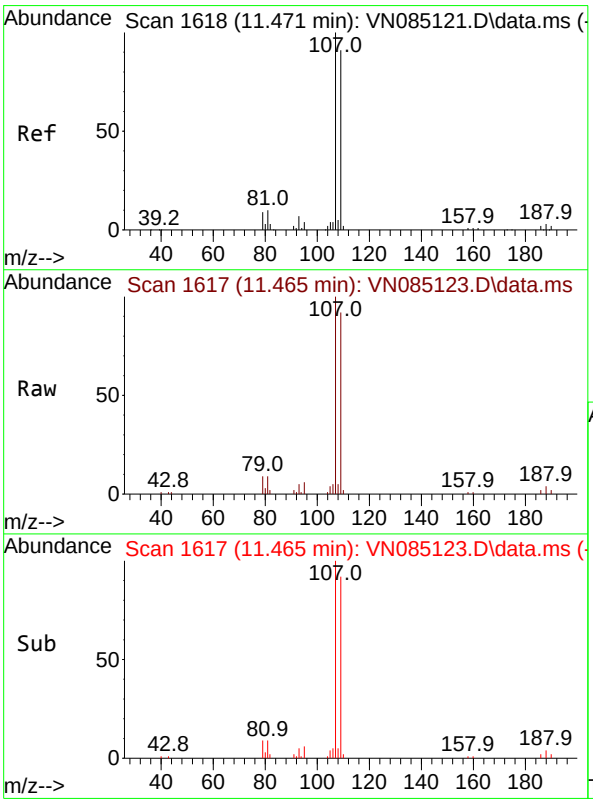
#53
Dibromochloromethane
Concen: 20.701 ug/l
RT: 11.353 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion:129 Resp: 55601

Ion	Ratio	Lower	Upper
129	100		
127	80.6	37.3	111.9

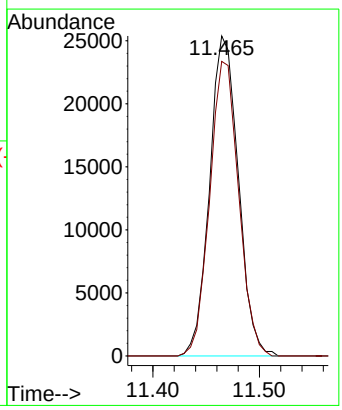


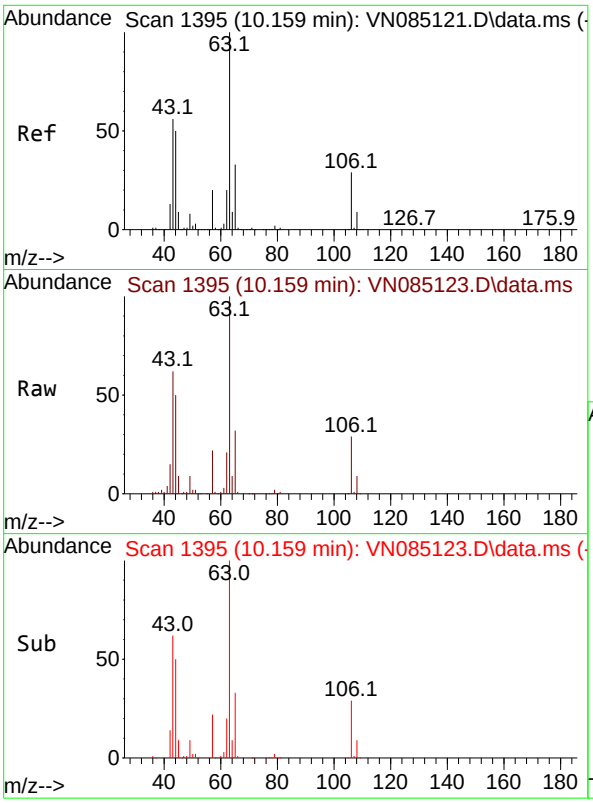


#54
1,2-Dibromoethane
Concen: 21.396 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:107 Resp: 47513

Ion	Ratio	Lower	Upper
107	100		
109	92.7	75.2	112.8



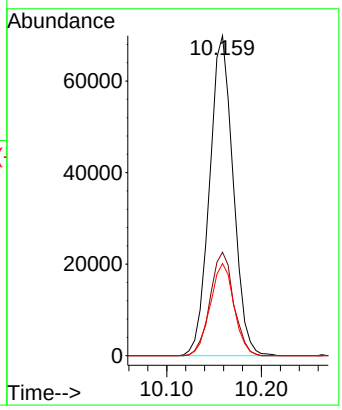


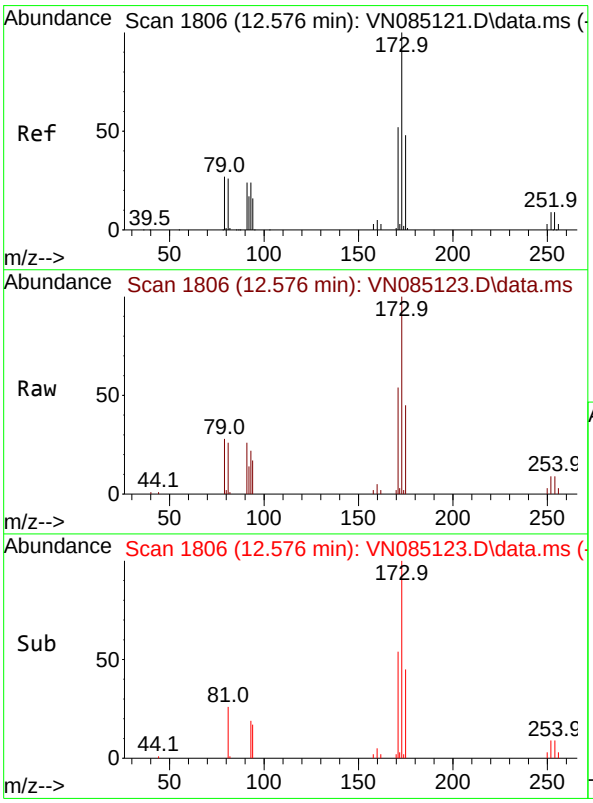
#55
2-Chloroethyl vinyl ether
Concen: 77.670 ug/l
RT: 10.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion: 63 Resp: 120953

Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.9	38.9
106	29.1	23.5	35.3

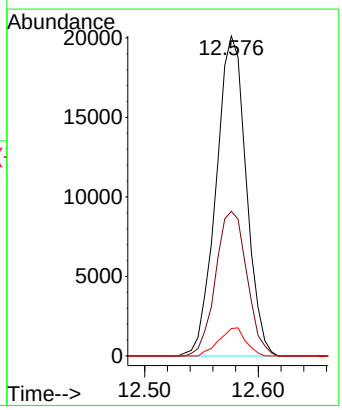


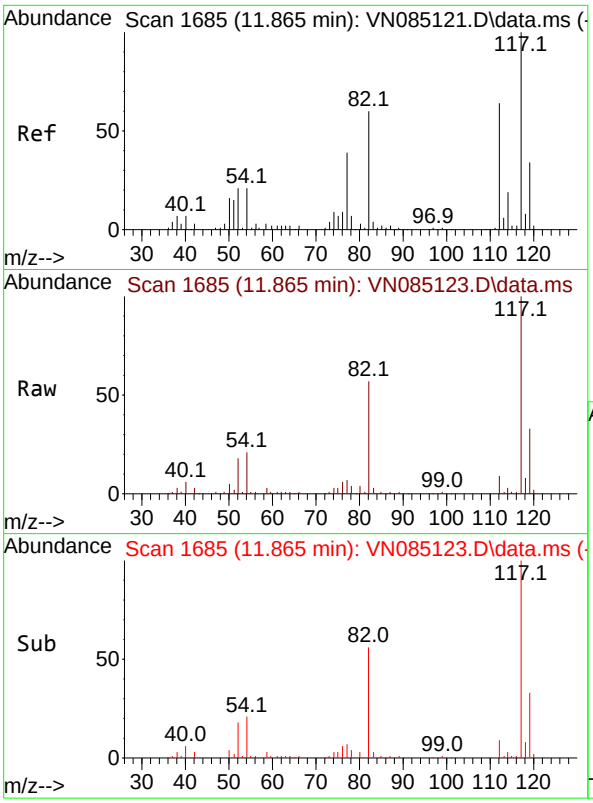


#56
Bromoform
Concen: 20.588 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:173 Resp: 37077

Ion	Ratio	Lower	Upper
173	100		
175	46.8	40.2	60.2
254	7.8	6.2	9.4



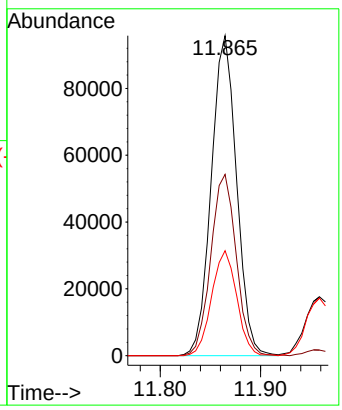


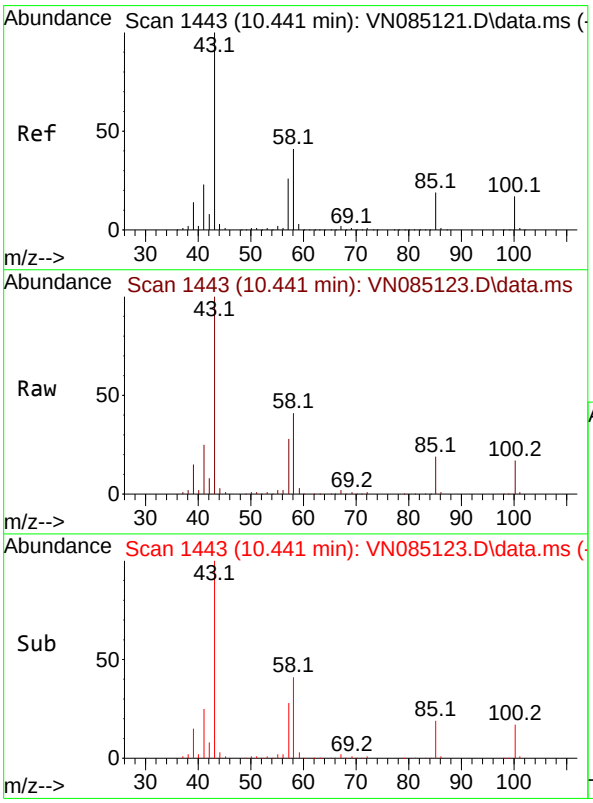
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion:117 Resp: 167596

Ion	Ratio	Lower	Upper
117	100		
82	57.1	44.2	66.4
119	32.4	25.4	38.2

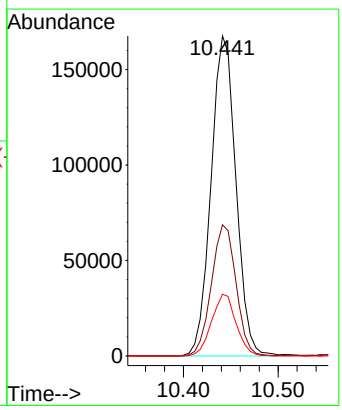


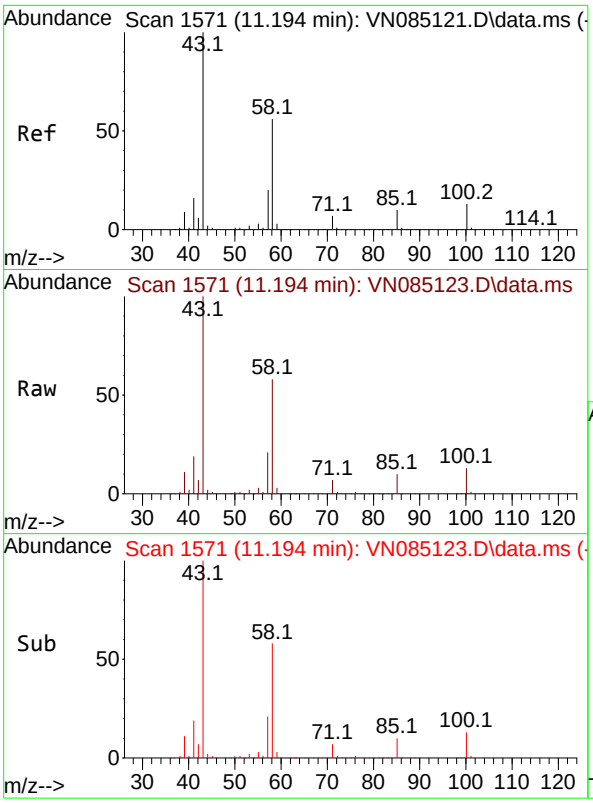


#58
4-Methyl-2-Pentanone
Concen: 111.787 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 43 Resp: 305762

Ion	Ratio	Lower	Upper
43	100		
58	40.7	31.6	47.4
85	19.0	15.0	22.6



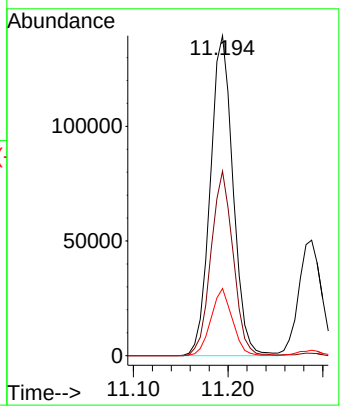


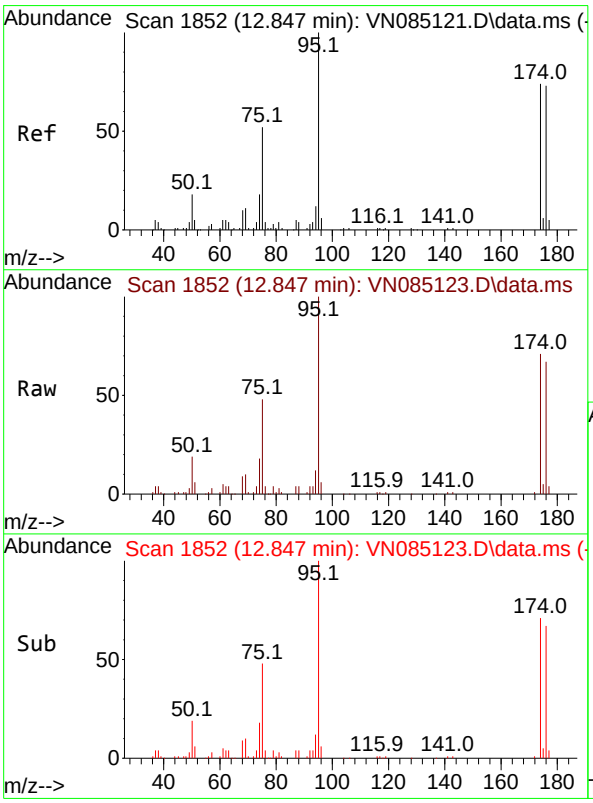
#59
2-Hexanone
Concen: 112.607 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion: 43 Resp: 233377

Ion	Ratio	Lower	Upper
43	100		
58	56.1	43.6	65.4
57	19.8	15.4	23.0

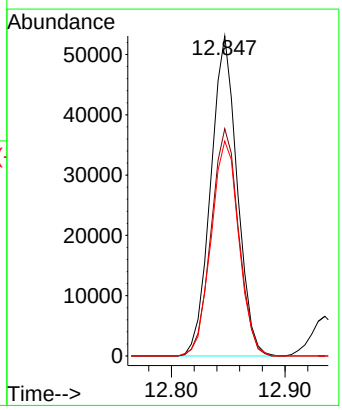


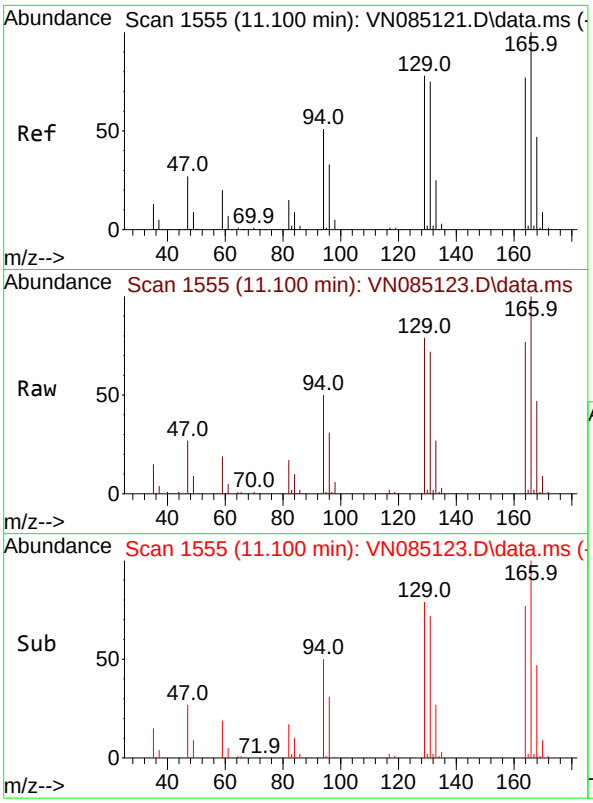


#60
4-Bromofluorobenzene
Concen: 30.966 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 95 Resp: 85871

Ion	Ratio	Lower	Upper
95	100		
174	73.6	60.3	90.5
176	70.5	57.4	86.0



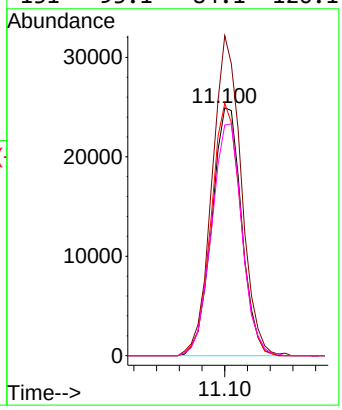


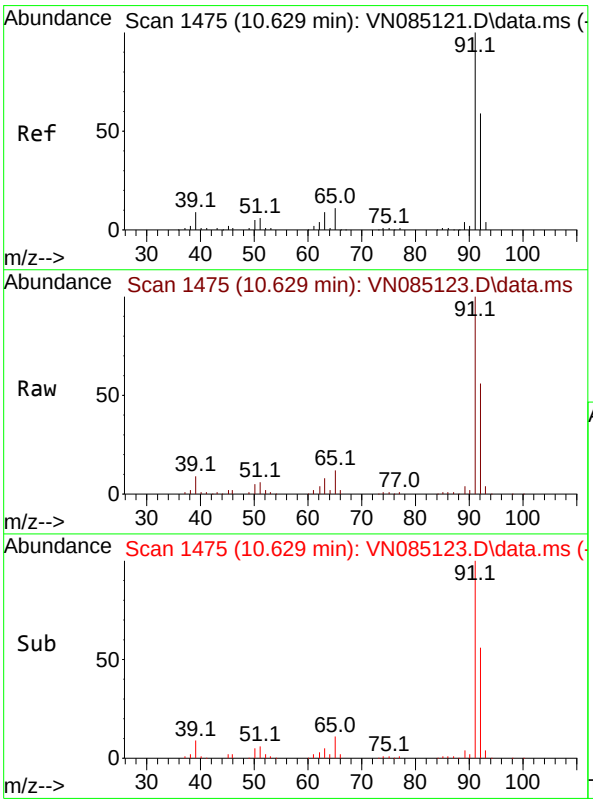
#61
Tetrachloroethene
Concen: 22.294 ug/l
RT: 11.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion:164 Resp: 45248

Ion	Ratio	Lower	Upper
164	100		
166	129.1	103.8	155.8
129	101.8	84.2	126.4
131	93.1	84.1	126.1

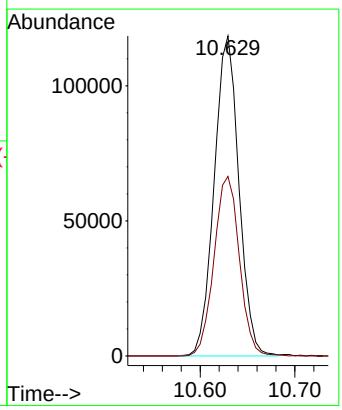


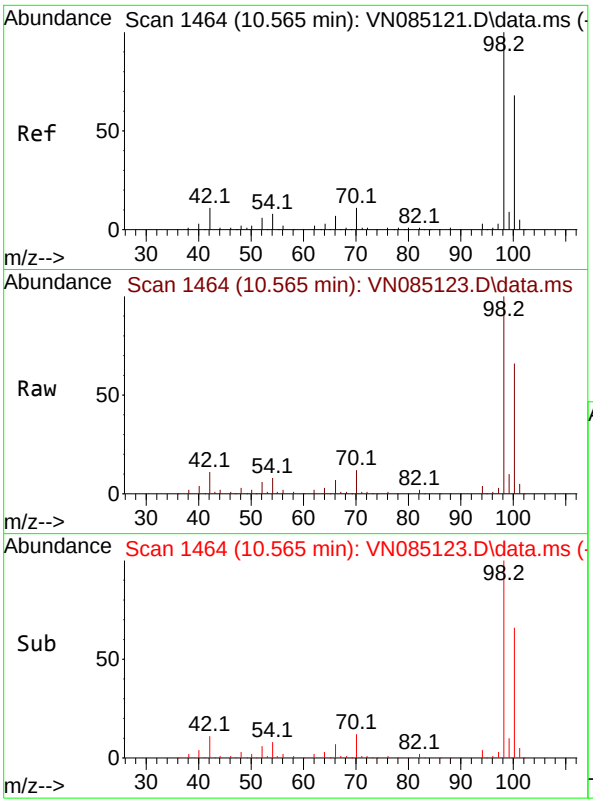


#62
Toluene
Concen: 21.975 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 91 Resp: 214790

Ion	Ratio	Lower	Upper
91	100		
92	57.5	46.5	69.7



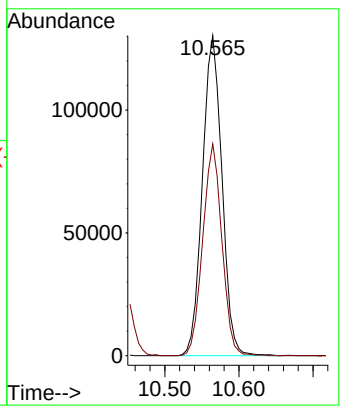


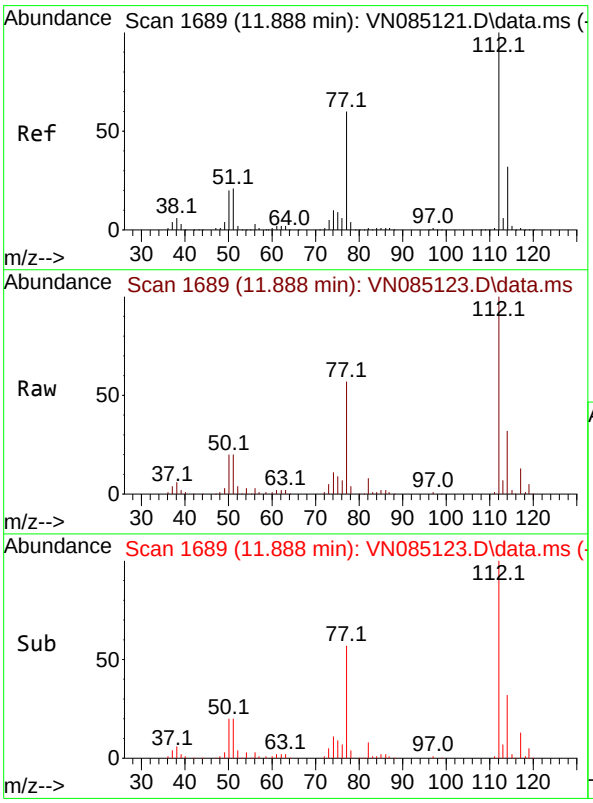
#63
Toluene-d8
Concen: 30.323 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion: 98 Resp: 238389

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.0	78.0

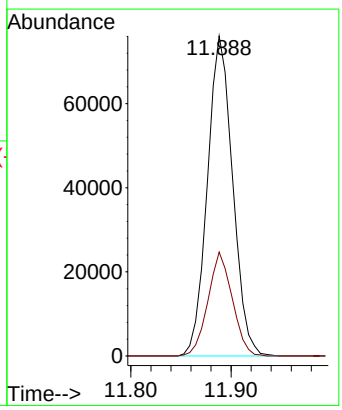


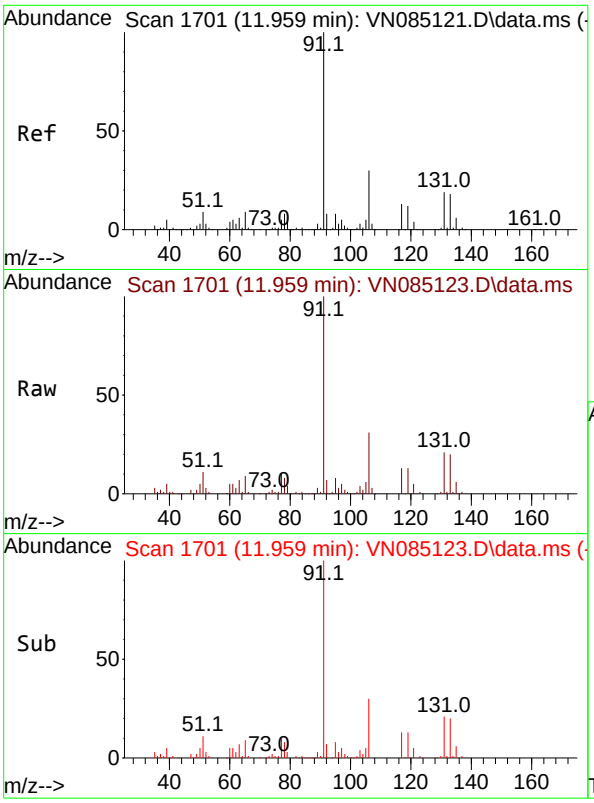


#64
Chlorobenzene
Concen: 22.112 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:112 Resp: 133437

Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0



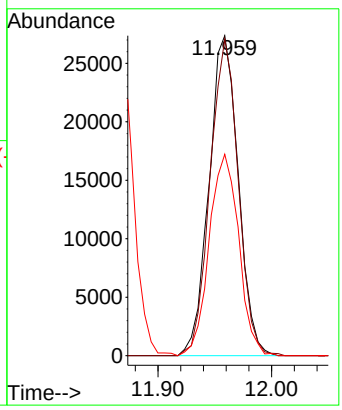


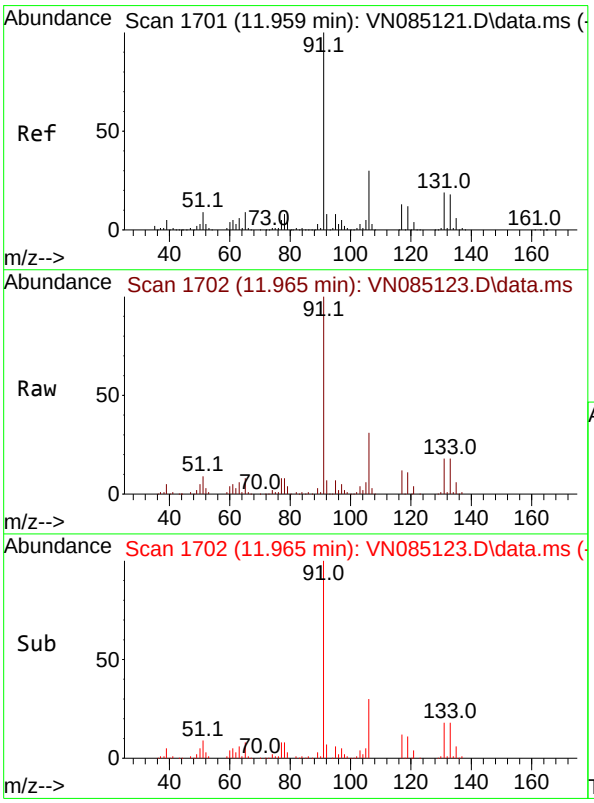
#65
1,1,1,2-Tetrachloroethane
Concen: 21.725 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion:131 Resp: 48941

Ion	Ratio	Lower	Upper
131	100		
133	95.2	0.0	194.0
119	63.6	0.0	131.8

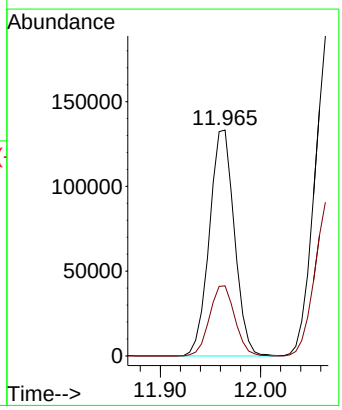


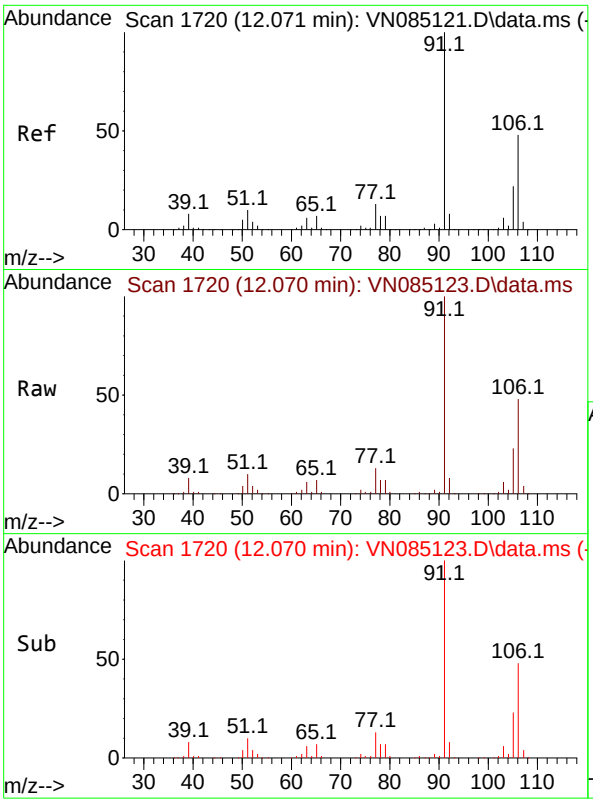


#66
Ethyl Benzene
Concen: 22.300 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 91 Resp: 231289

Ion	Ratio	Lower	Upper
91	100		
106	31.0	23.1	34.7



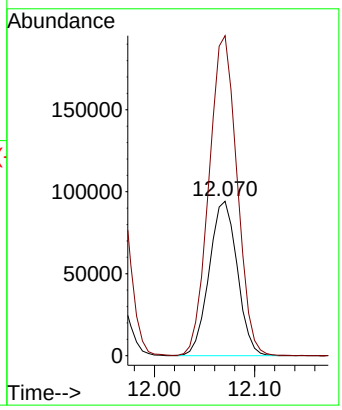


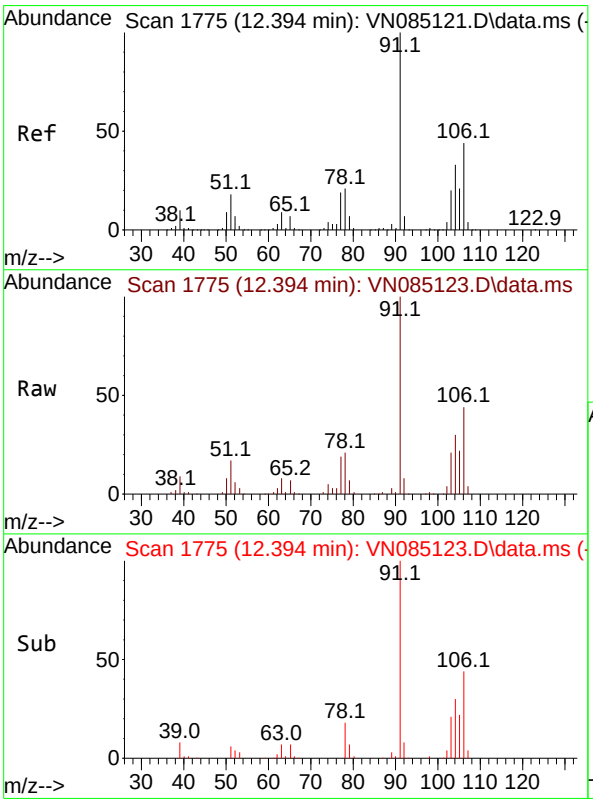
#67
m/p-Xylenes
Concen: 45.872 ug/l
RT: 12.070 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion:106 Resp: 182990

Ion	Ratio	Lower	Upper
106	100		
91	207.4	165.0	247.4

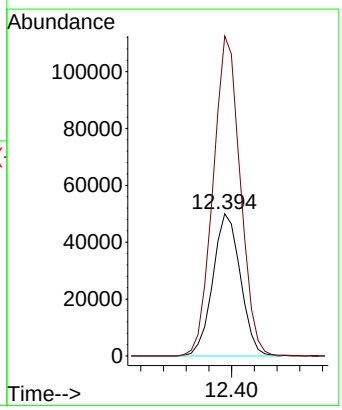


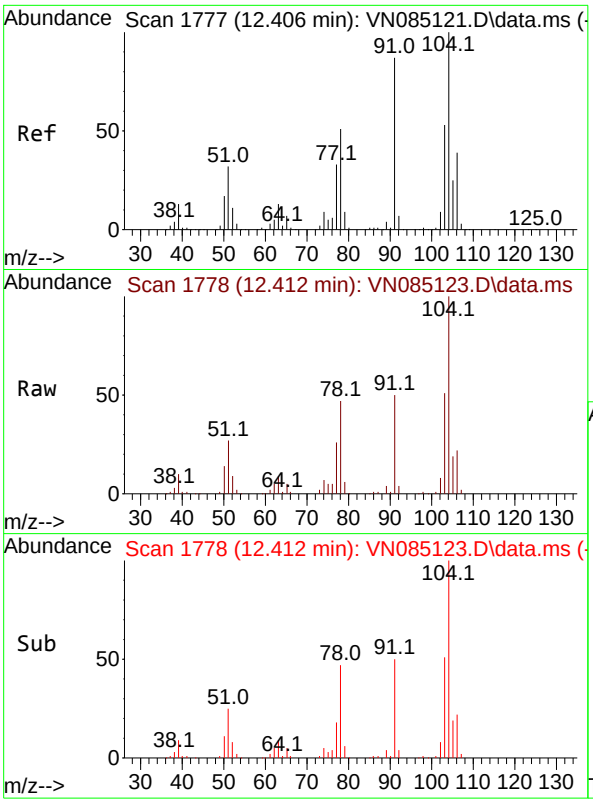


#68
o-Xylene
Concen: 22.492 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:106 Resp: 84266

Ion	Ratio	Lower	Upper
106	100		
91	222.2	112.1	336.4



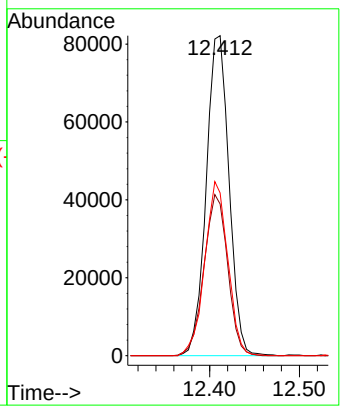


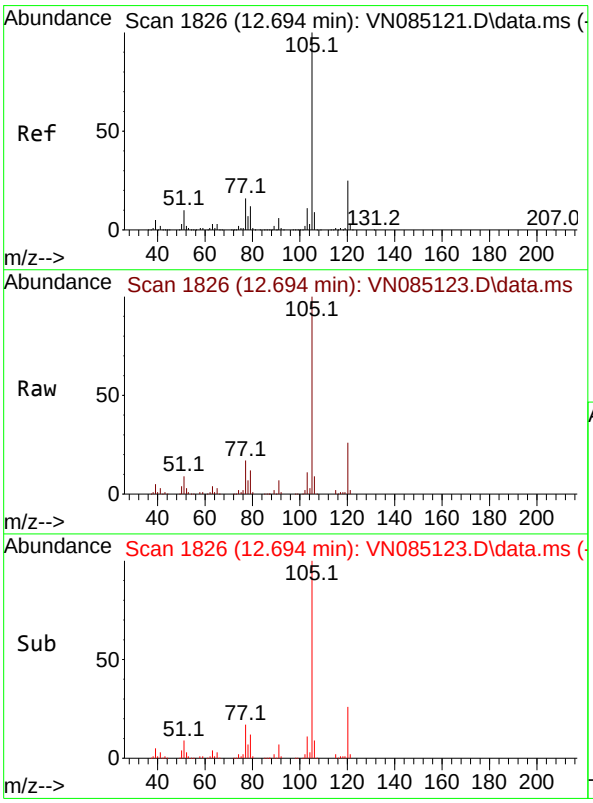
#69
Styrene
Concen: 22.822 ug/l
RT: 12.412 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion:104 Resp: 145082

Ion	Ratio	Lower	Upper
104	100		
78	52.2	42.3	63.5
103	55.1	44.4	66.6

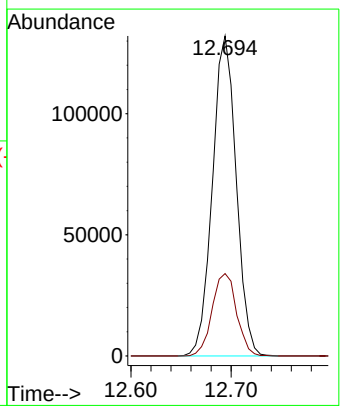


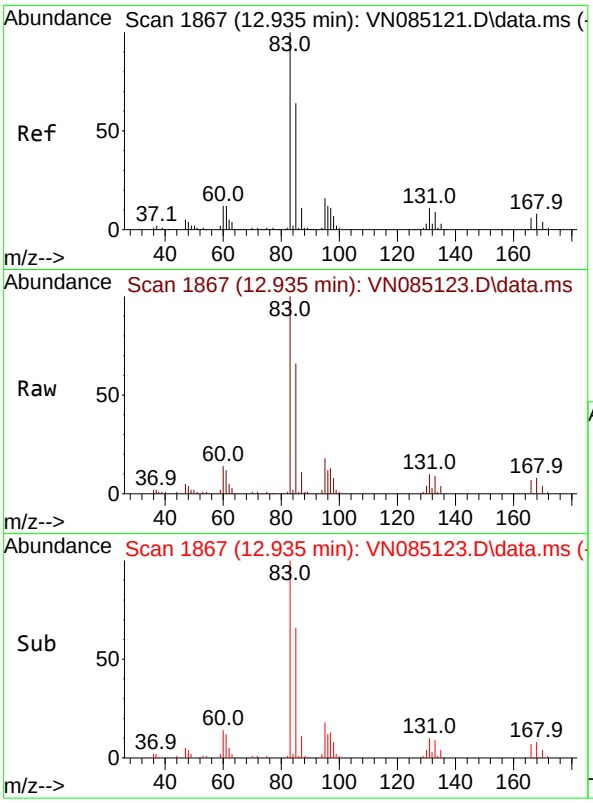


#70
Isopropylbenzene
Concen: 22.540 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:105 Resp: 217804

Ion	Ratio	Lower	Upper
105	100		
120	26.4	18.3	33.9



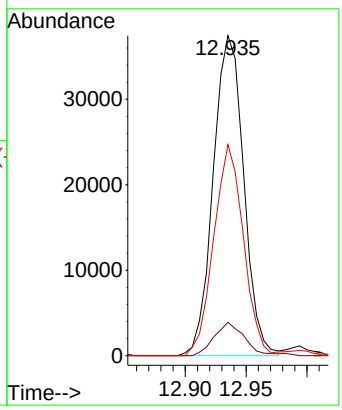


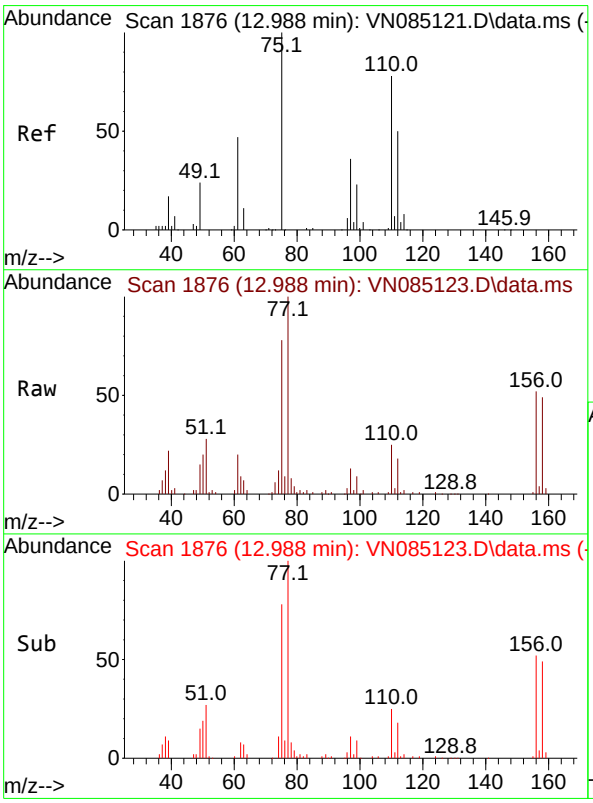
#71
1,1,2,2-Tetrachloroethane
Concen: 22.210 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion: 83 Resp: 65321

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.3
85	64.0	31.1	93.5

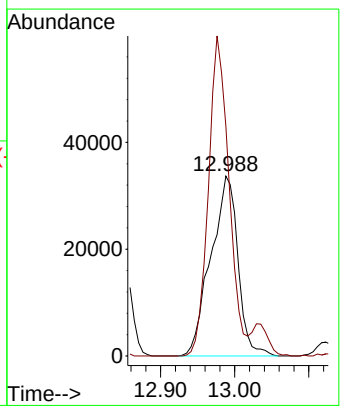


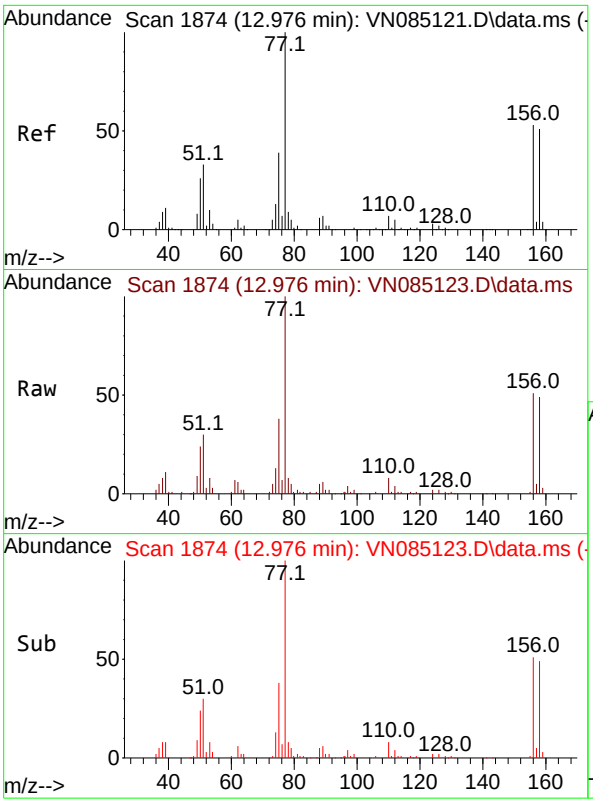


#72
1,2,3-Trichloropropane
Concen: 29.489 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 75 Resp: 85676

Ion	Ratio	Lower	Upper
75	100		
77	135.1	0.0	339.0



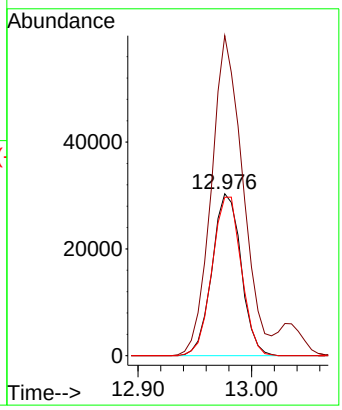


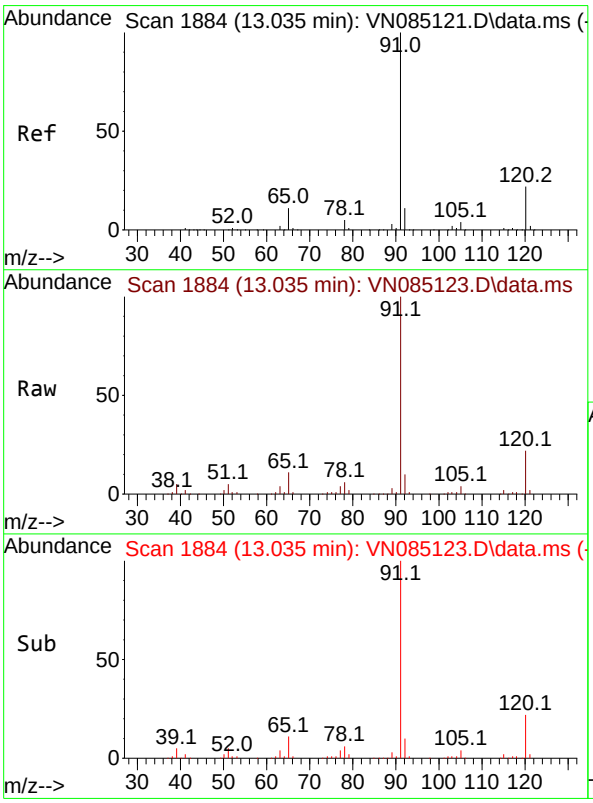
#73
Bromobenzene
Concen: 22.241 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion:156 Resp: 53832

Ion	Ratio	Lower	Upper
156	100		
77	215.0	0.0	430.4
158	99.0	0.0	195.2

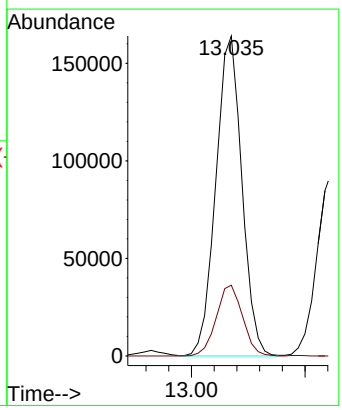


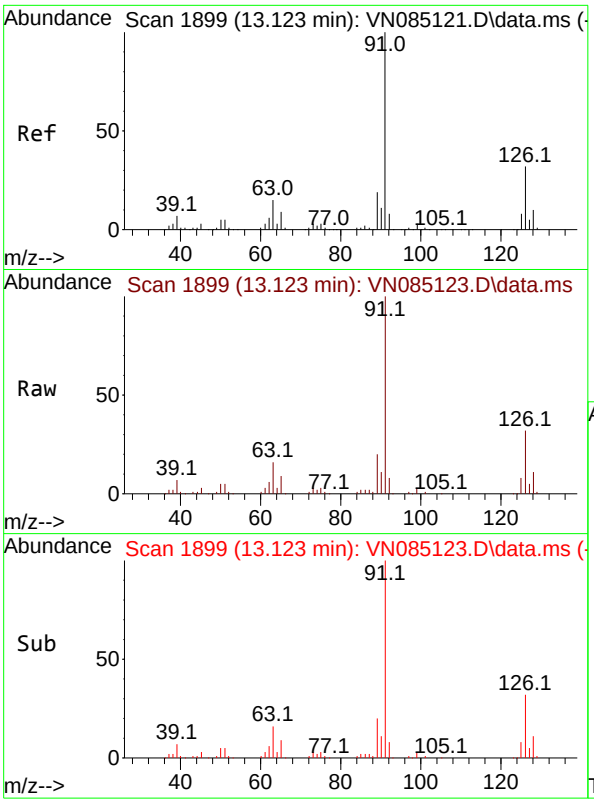


#74
n-propylbenzene
Concen: 22.470 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 91 Resp: 261027

Ion	Ratio	Lower	Upper
91	100		
120	22.3	0.0	44.0



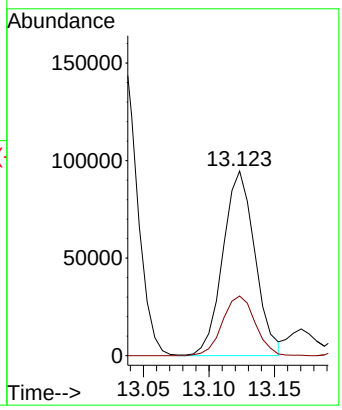


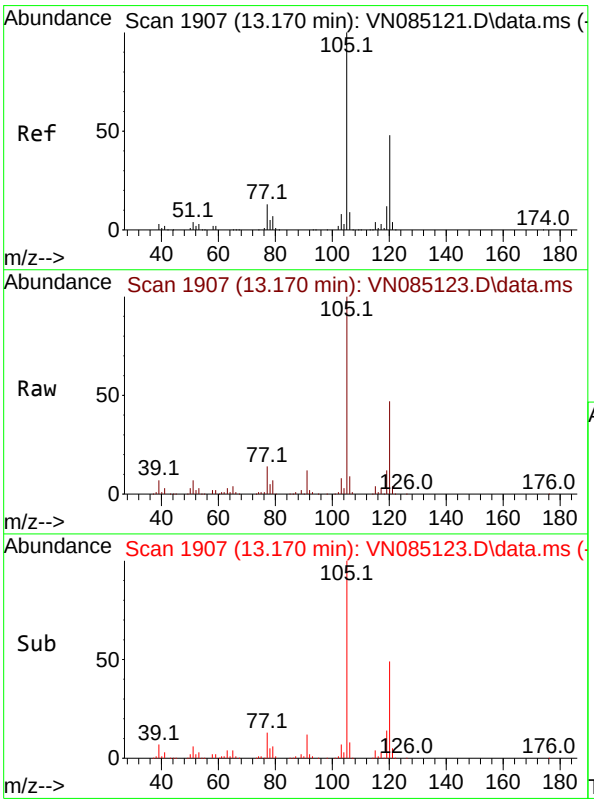
#75
2-Chlorotoluene
Concen: 22.446 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion: 91 Resp: 161221

Ion	Ratio	Lower	Upper
91	100		
126	32.9	0.0	64.2

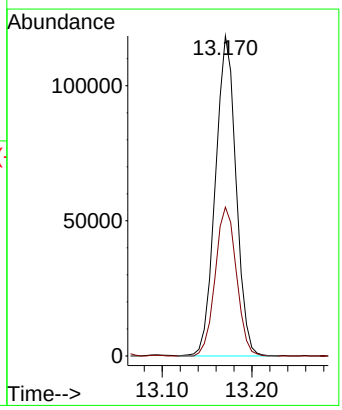


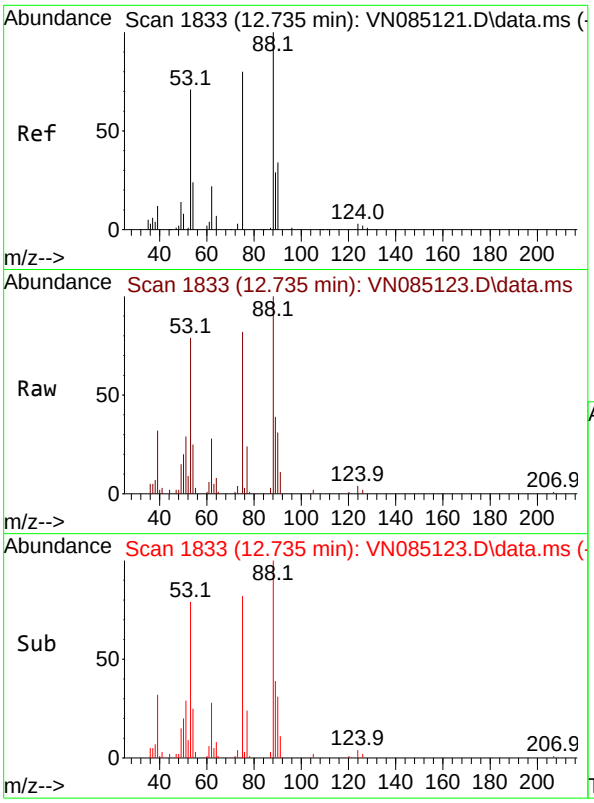


#76
1,3,5-Trimethylbenzene
Concen: 22.843 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:105 Resp: 189105

Ion	Ratio	Lower	Upper
105	100		
120	47.7	0.0	94.4



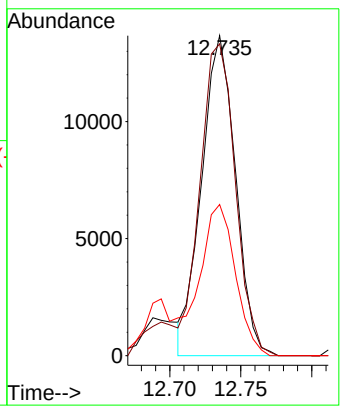


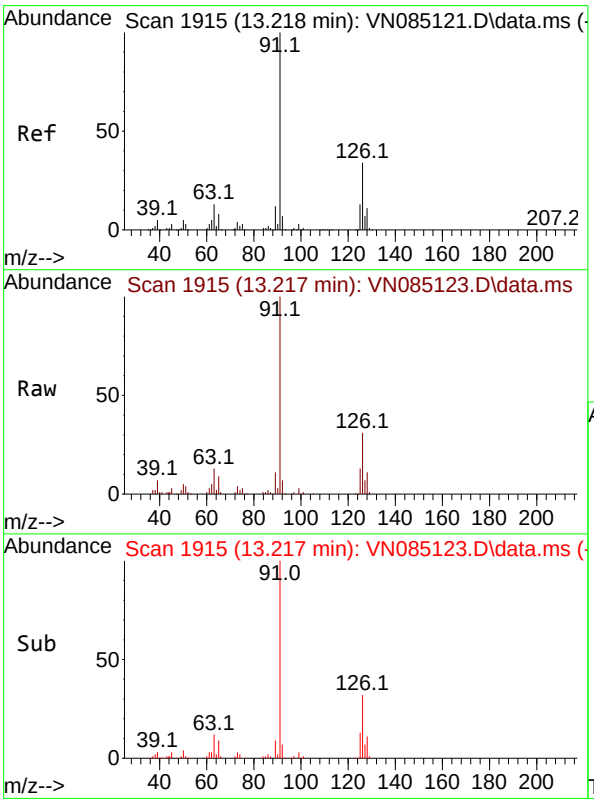
#77
t-1,4-Dichloro-2-butene
Concen: 21.535 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion: 75 Resp: 22735

Ion	Ratio	Lower	Upper
75	100		
53	97.4	49.1	147.3
89	47.2	22.9	68.5

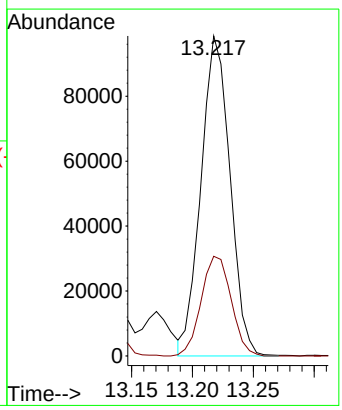


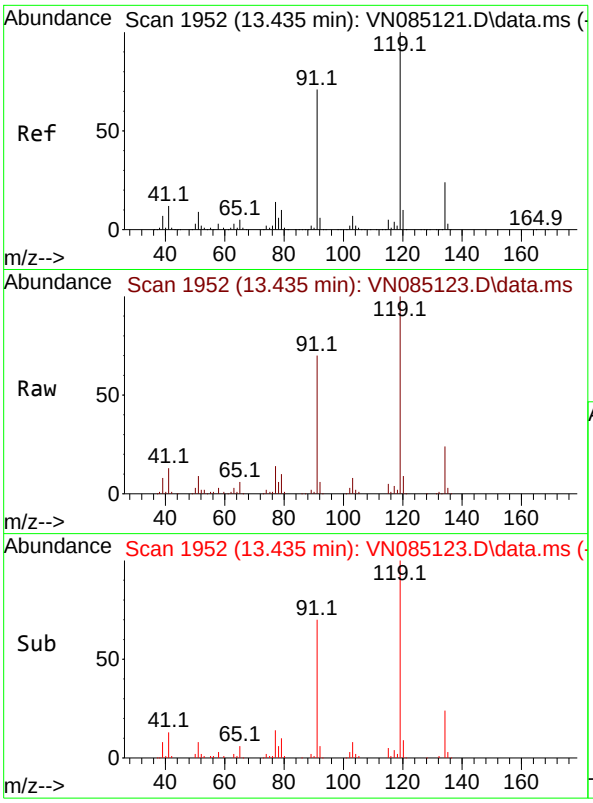


#78
4-Chlorotoluene
Concen: 22.456 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 91 Resp: 163711

Ion	Ratio	Lower	Upper
91	100		
126	32.1	0.0	64.4



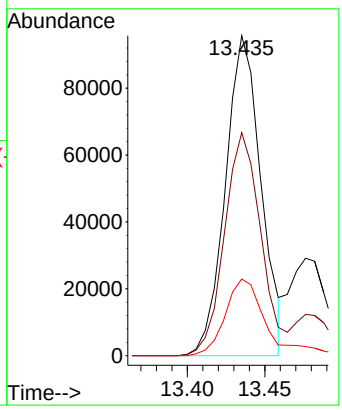


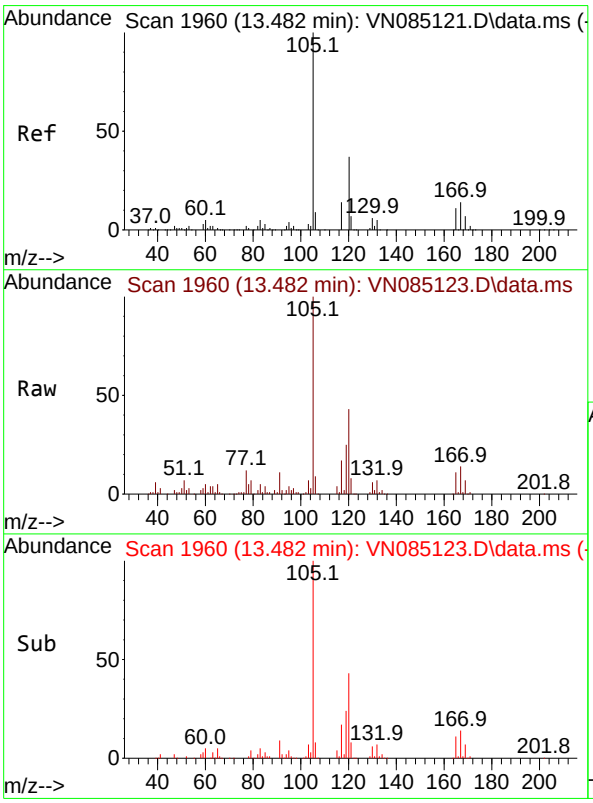
#79
tert-butylbenzene
Concen: 22.471 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion:119 Resp: 152793

Ion	Ratio	Lower	Upper
119	100		
91	71.6	0.0	139.2
134	25.0	0.0	48.0

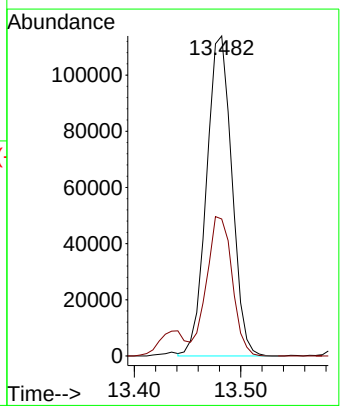


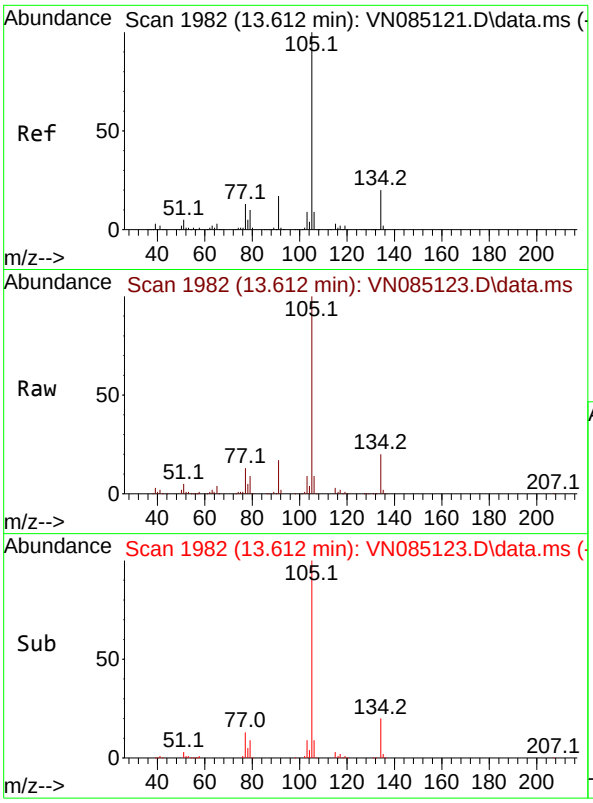


#80
1,2,4-Trimethylbenzene
Concen: 22.992 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:105 Resp: 188016

Ion	Ratio	Lower	Upper
105	100		
120	43.7	0.0	87.4



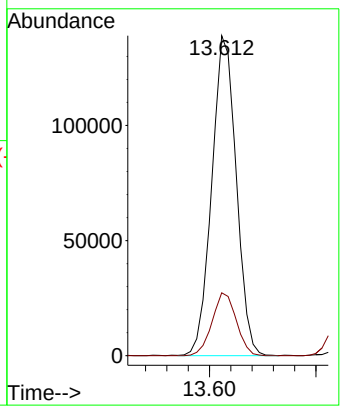


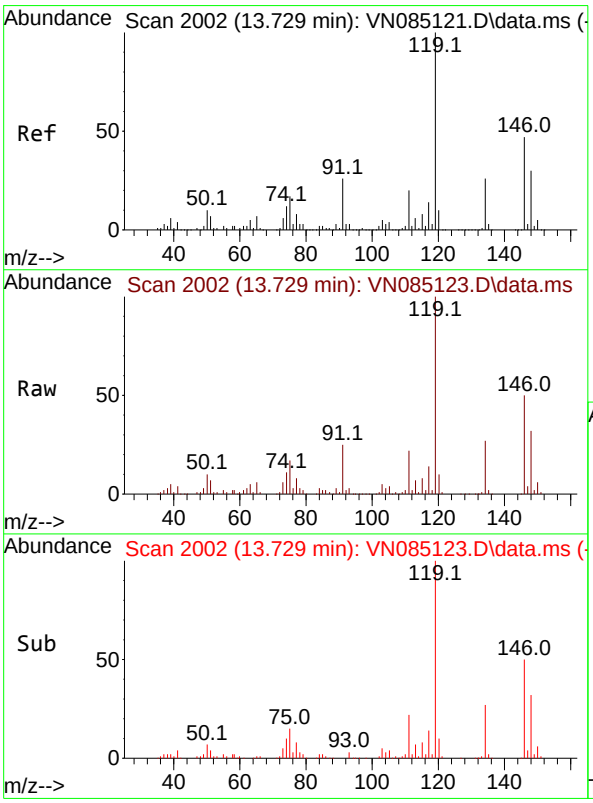
#81
sec-Butylbenzene
Concen: 22.925 ug/l
RT: 13.612 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion:105 Resp: 221463

Ion	Ratio	Lower	Upper
105	100		
134	19.4	0.0	38.0

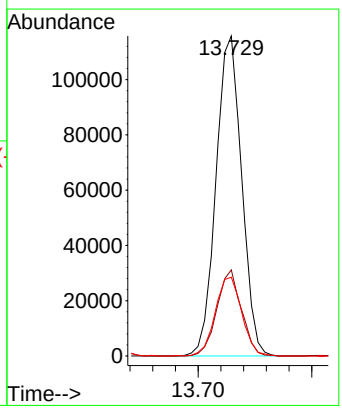


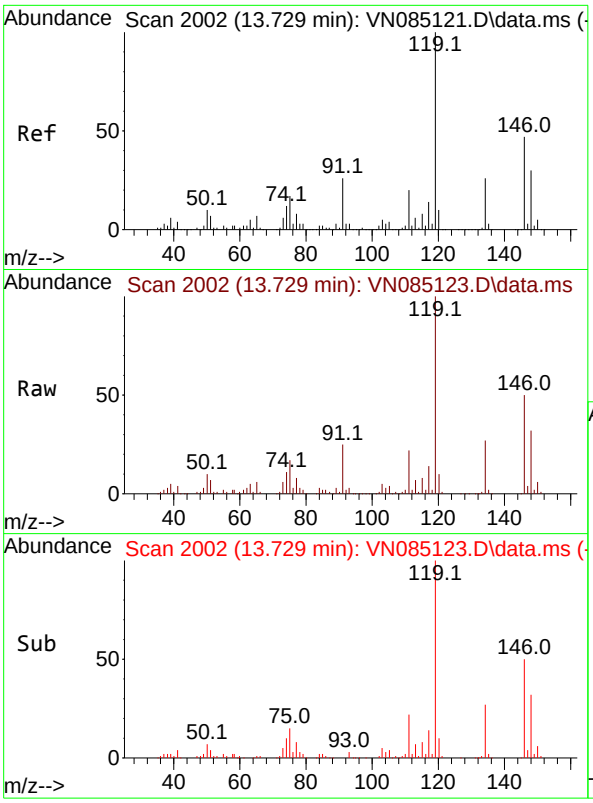


#82
p-Isopropyltoluene
Concen: 22.702 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:119 Resp: 181815

Ion	Ratio	Lower	Upper
119	100		
134	25.6	0.0	51.6
91	25.5	0.0	50.4



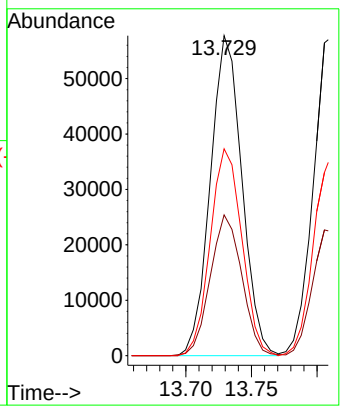


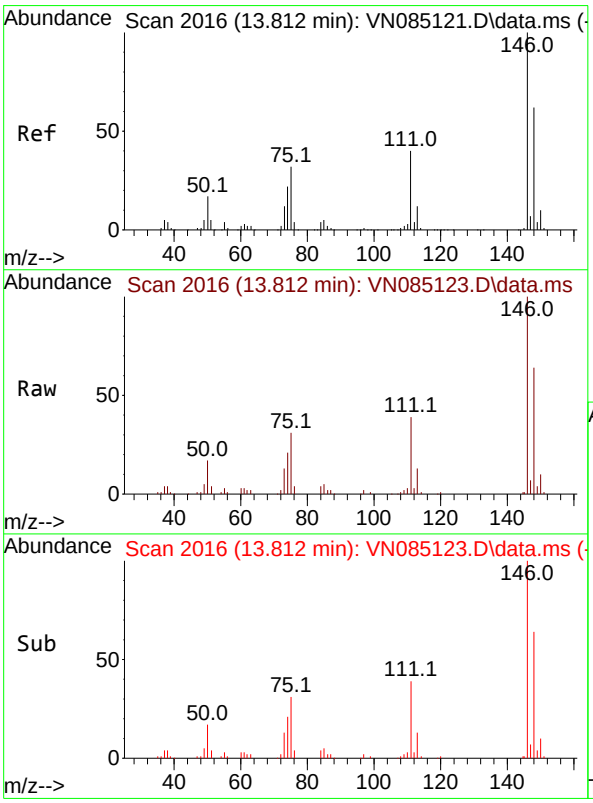
#83
1,3-Dichlorobenzene
Concen: 21.763 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion:146 Resp: 96640

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.1	63.3
148	64.8	31.8	95.3

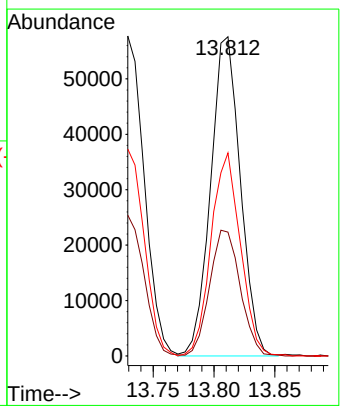


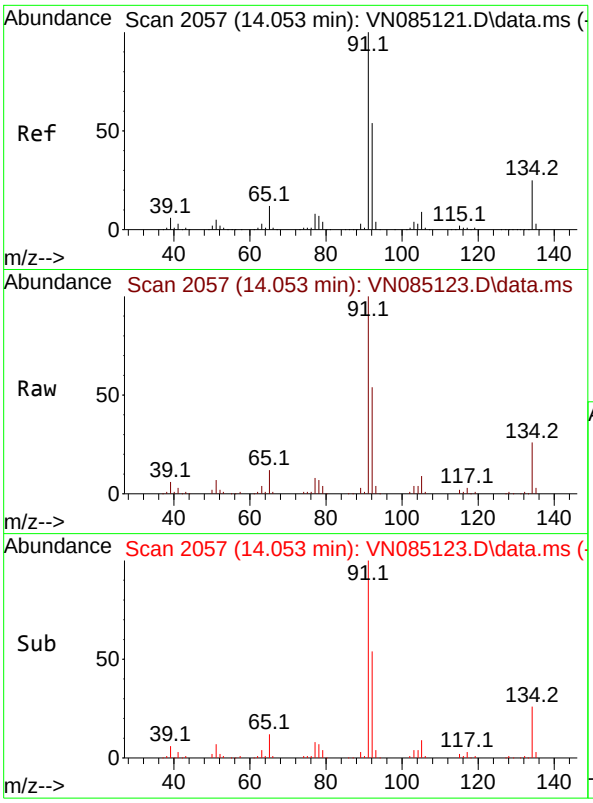


#84
1,4-Dichlorobenzene
Concen: 22.651 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:146 Resp: 98028

Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.1	60.3
148	62.6	31.6	94.7



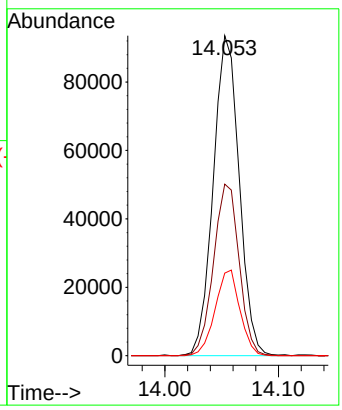


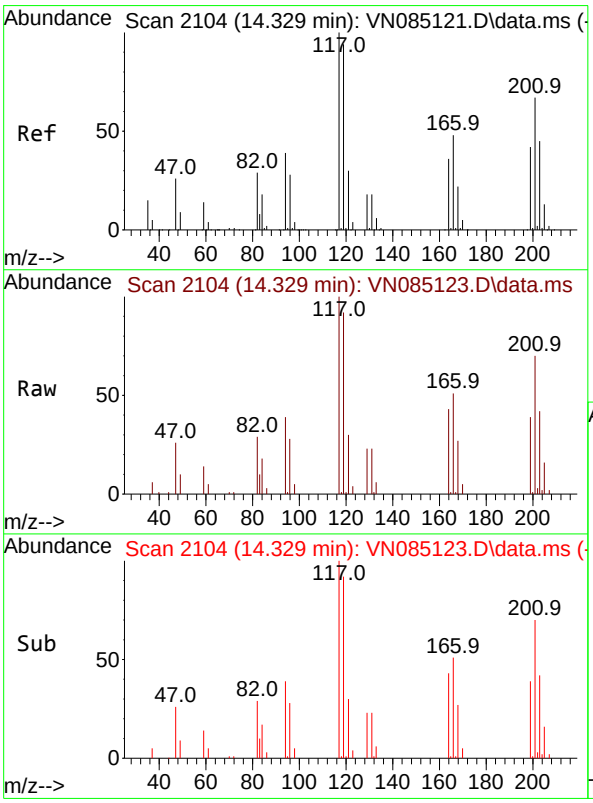
#85
n-Butylbenzene
Concen: 22.118 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion: 91 Resp: 148587

Ion	Ratio	Lower	Upper
91	100		
92	52.9	0.0	104.0
134	25.6	0.0	49.2

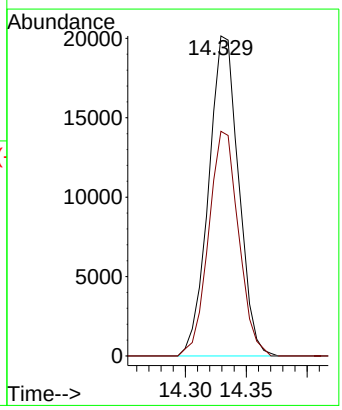


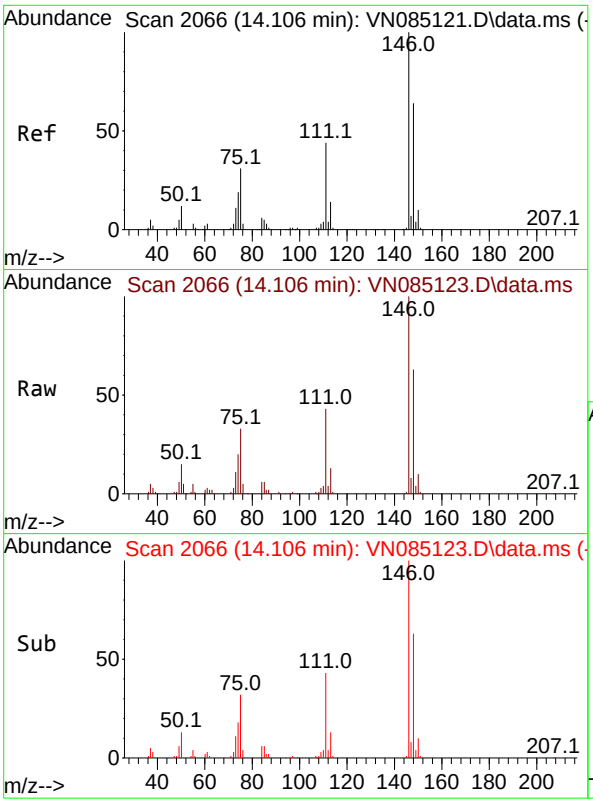


#86
Hexachloroethane
Concen: 21.642 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:117 Resp: 34505

Ion	Ratio	Lower	Upper
117	100		
201	70.3	34.1	102.3



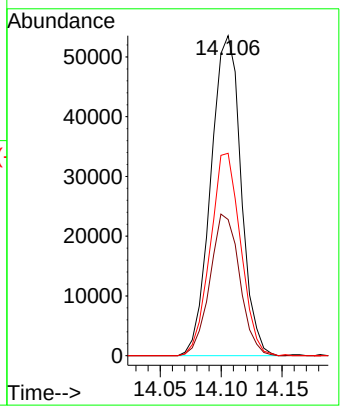


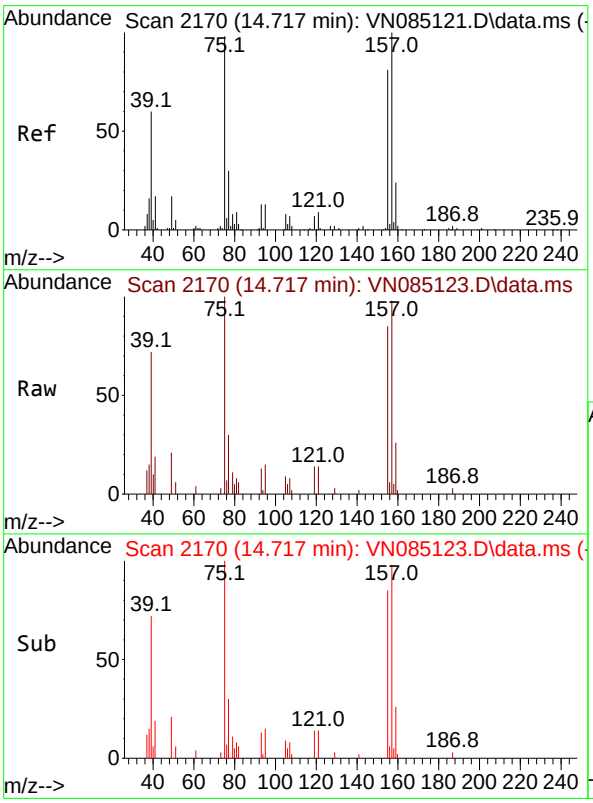
#87
1,2-Dichlorobenzene
Concen: 22.016 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion:146 Resp: 92278

Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.9	65.7
148	63.5	32.4	97.0

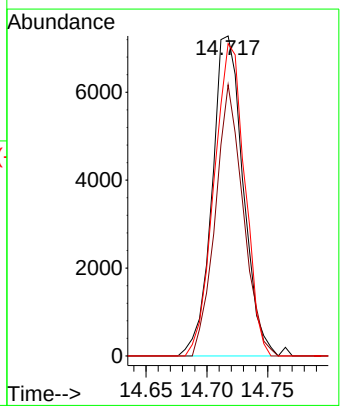


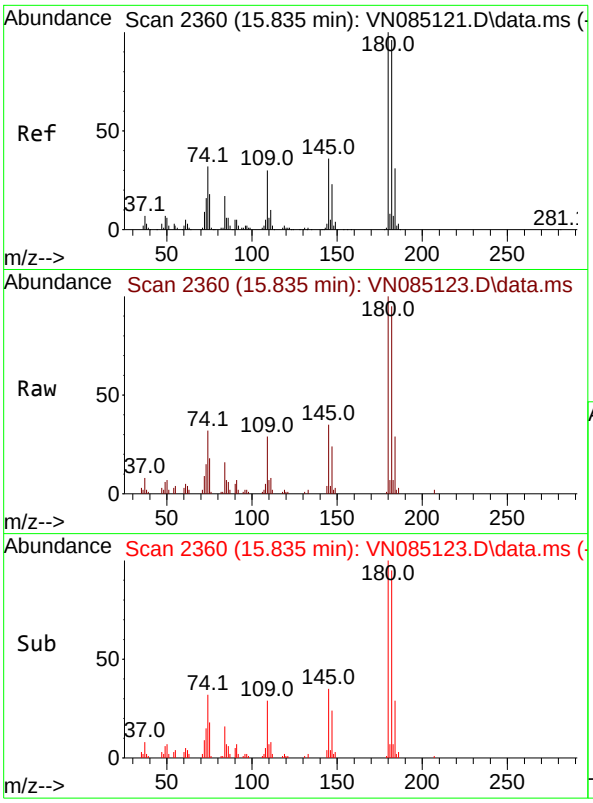


#88
1,2-Dibromo-3-Chloropropane
Concen: 22.003 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion: 75 Resp: 12928

Ion	Ratio	Lower	Upper
75	100		
155	76.2	62.1	93.1
157	96.4	79.3	118.9



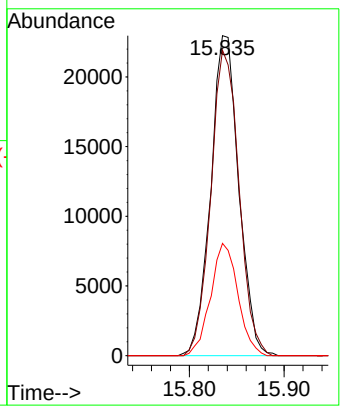


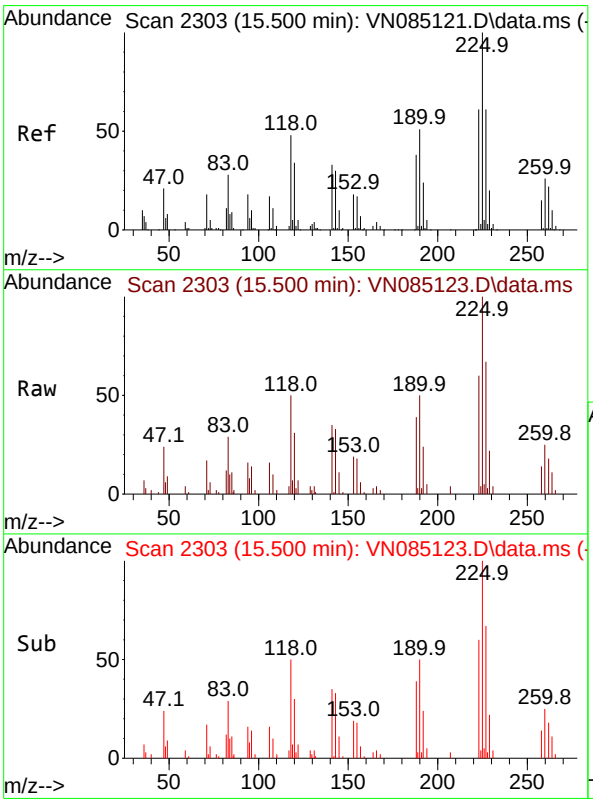
#89
1,2,4-Trichlorobenzene
Concen: 23.026 ug/l
RT: 15.835 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion:180 Resp: 47265

Ion	Ratio	Lower	Upper
180	100		
182	95.7	74.0	111.0
145	34.2	28.6	43.0

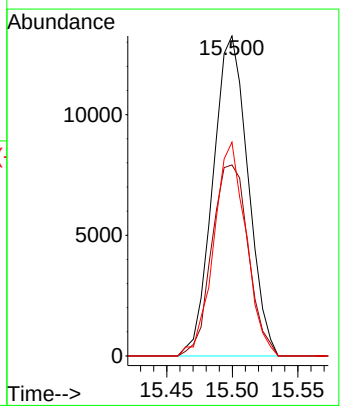


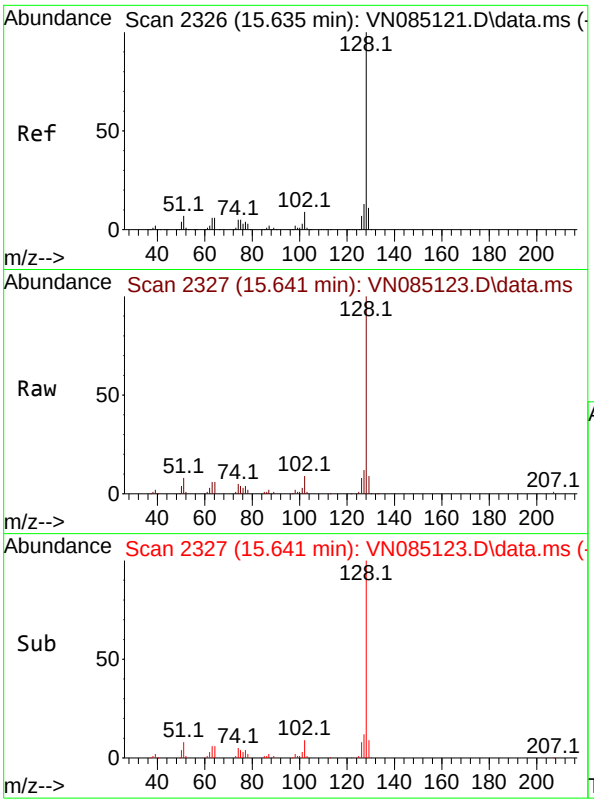


#90
Hexachlorobutadiene
Concen: 23.121 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:225 Resp: 24662

Ion	Ratio	Lower	Upper
225	100		
223	62.1	0.0	121.8
227	61.4	0.0	126.8



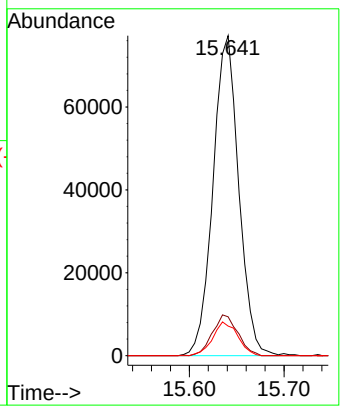


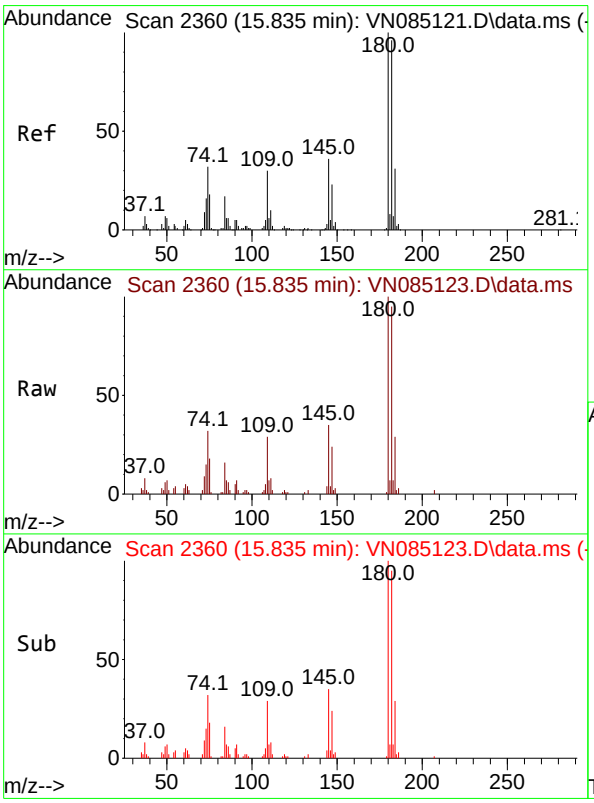
#91
Naphthalene
Concen: 22.886 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Instrument :
MSVOA_N
ClientSampleId :
ICVVN120624

Tgt Ion:128 Resp: 145950

Ion	Ratio	Lower	Upper
128	100		
127	12.6	11.0	16.4
129	10.3	8.7	13.1

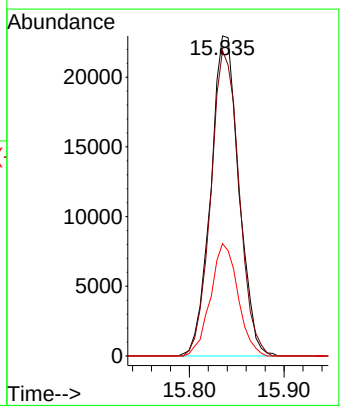




#92
1,2,3-Trichlorobenzene
Concen: 23.026 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085123.D
Acq: 06 Dec 2024 12:28

Tgt Ion:180 Resp: 47265

Ion	Ratio	Lower	Upper
180	100		
182	95.7	0.0	185.0
145	34.2	0.0	71.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085207.D
Acq On : 16 Dec 2024 09:42
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Quant Time: Dec 16 12:21:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	33412	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.094	114	185962	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	170233	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	80133	30.226	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.767%				
60) 4-Bromofluorobenzene	12.847	95	82875	29.423	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.067%				
63) Toluene-d8	10.565	98	235545	29.497	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.333%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	56261	21.047	ug/l		99
3) Chloromethane	2.359	50	49600	20.963	ug/l		97
4) Vinyl Chloride	2.512	62	50136	20.717	ug/l		97
5) Bromomethane	2.965	94	31223	20.321	ug/l		96
6) Chloroethane	3.124	64	32014	21.532	ug/l		92
7) Trichlorofluoromethane	3.506	101	82951	20.940	ug/l		100
8) Diethyl Ether	3.959	74	25301	20.165	ug/l		99
9) 1,1,2-Trichlorotrifluo...	4.371	101	44657	20.159	ug/l		99
10) 1,1-Dichloroethene	4.342	96	41142	20.219	ug/l		99
11) Methyl Iodide	4.595	142	48050	17.027	ug/l		96
12) Methyl Acetate	5.018	43	46842	19.513	ug/l		98
13) Acrolein	4.177	56	26169	75.017	ug/l		96
14) Acrylonitrile	5.712	53	94996	95.305	ug/l		98
15) Acetone	4.424	58	28736	106.386	ug/l		96
16) Carbon Disulfide	4.706	76	122618	20.161	ug/l		99
17) Allyl chloride	5.024	41	59479	20.428	ug/l		91
18) Methylene Chloride	5.277	84	45057	19.515	ug/l		94
19) trans-1,2-Dichloroethene	5.783	96	42471	20.081	ug/l		92
20) Diisopropyl ether	6.665	45	131789	20.625	ug/l		96
21) 1,1-Dichloroethane	6.565	63	79692	20.207	ug/l	#	96
22) cis-1,2-Dichloroethene	7.477	96	49862	20.511	ug/l		99
23) tert-Butyl Alcohol	5.518	59	32619	91.223	ug/l	#	100
24) Methyl tert-Butyl Ether	5.794	73	130198	20.480	ug/l	#	75
25) Chloroform	7.959	83	84820	20.530	ug/l		93
26) Cyclohexane	8.253	56	65168	20.069	ug/l	#	95
29) 1,1-Dichloropropene	8.365	75	57776	19.254	ug/l		99
30) 2-Butanone	7.477	43	130116	94.489	ug/l		98
31) 2,2-Dichloropropane	7.488	77	76289	19.826	ug/l	#	100
32) 1,1,1-Trichloroethane	8.165	97	78244	19.264	ug/l		98
33) Carbon Tetrachloride	8.359	117	69225	18.888	ug/l		99
34) Benzene	8.600	78	181426	19.246	ug/l	#	94
35) Methacrylonitrile	7.771	41	28129	18.152	ug/l		96
36) 1,2-Dichloroethane	8.665	62	62153	19.368	ug/l		99
37) Trichloroethene	9.347	130	44782	19.949	ug/l		89
38) Methylcyclohexane	9.600	83	61994	19.000	ug/l		97
39) 1,2-Dichloropropane	9.618	63	43708	19.143	ug/l		98
40) Dibromomethane	9.706	93	31562	19.271	ug/l		98
41) Bromodichloromethane	9.882	83	67723	19.343	ug/l		97
42) Vinyl Acetate	6.600	43	471771	97.906	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085207.D
Acq On : 16 Dec 2024 09:42
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Quant Time: Dec 16 12:21:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

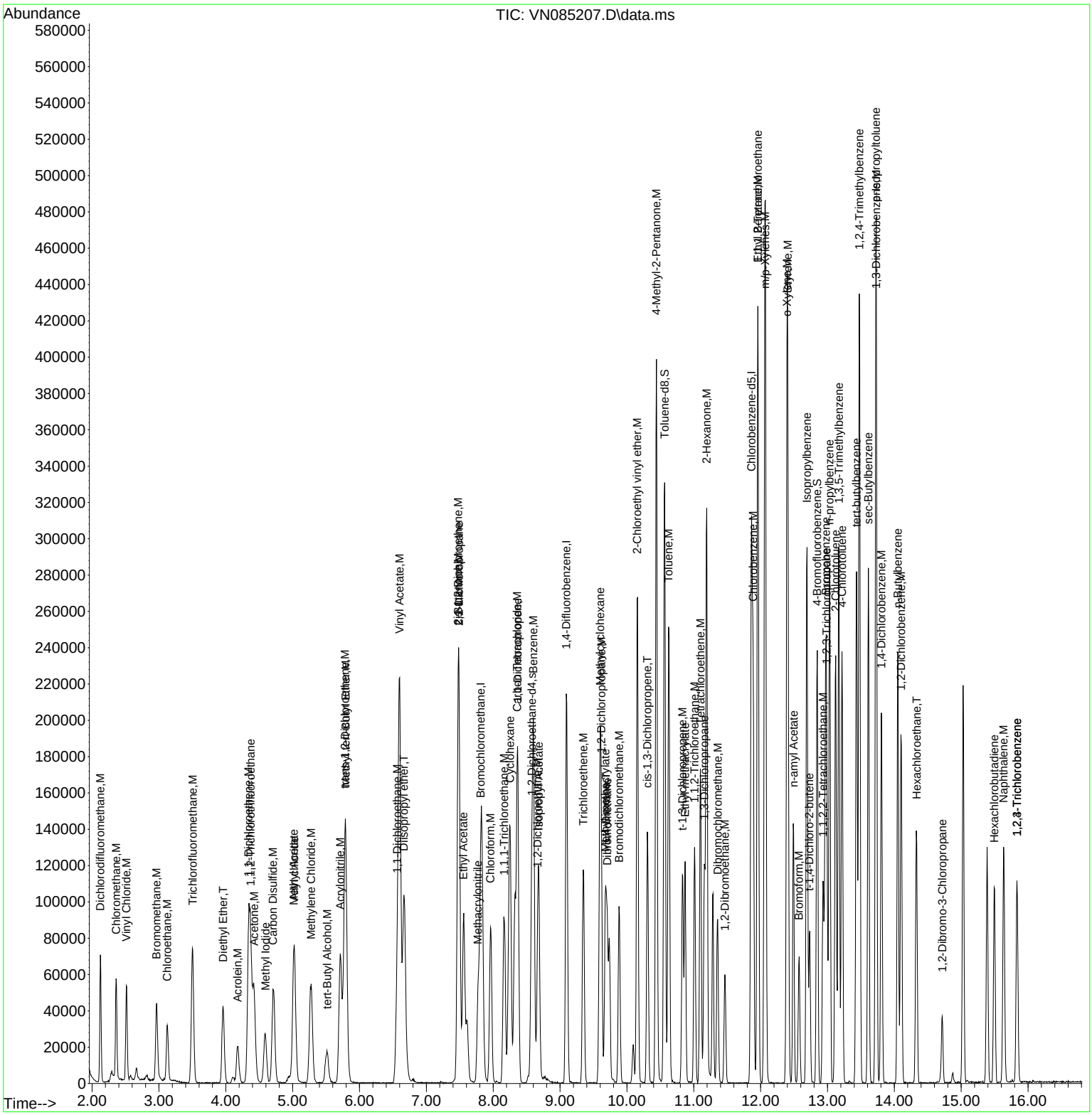
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	49499	18.066	ug/l	96
44) Isopropyl Acetate	8.682	43	89011	18.694	ug/l	100
45) 1,4-Dioxane	9.688	88	15602	392.939	ug/l	95
46) Methyl methacrylate	9.677	41	40601	18.632	ug/l	97
47) n-amyl Acetate	12.494	43	73556	18.361	ug/l	96
48) t-1,3-Dichloropropene	10.829	75	65995	19.202	ug/l	98
49) cis-1,3-Dichloropropene	10.306	75	73124	19.544	ug/l	96
50) 1,1,2-Trichloroethane	11.012	97	42618	19.311	ug/l	96
51) Ethyl methacrylate	10.871	69	62332	18.569	ug/l	96
52) 1,3-Dichloropropane	11.159	76	70887	19.192	ug/l	99
53) Dibromochloromethane	11.359	129	51019	18.970	ug/l	97
54) 1,2-Dibromoethane	11.465	107	42506	19.116	ug/l	99
55) 2-Chloroethyl vinyl ether	10.153	63	122170	78.348	ug/l	99
56) Bromoform	12.570	173	33630	18.650	ug/l	96
58) 4-Methyl-2-Pentanone	10.441	43	254378	91.560	ug/l	97
59) 2-Hexanone	11.194	43	198443	94.267	ug/l	98
61) Tetrachloroethene	11.100	164	40993	19.885	ug/l	89
62) Toluene	10.624	91	193265	19.467	ug/l	99
64) Chlorobenzene	11.888	112	119028	19.419	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	44343	19.379	ug/l	99
66) Ethyl Benzene	11.959	91	207827	19.728	ug/l	97
67) m/p-Xylenes	12.071	106	159560	39.379	ug/l	96
68) o-Xylene	12.394	106	76900	20.208	ug/l	97
69) Styrene	12.406	104	129131	19.998	ug/l	100
70) Isopropylbenzene	12.694	105	196429	20.013	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	56150	18.796	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	72767	24.658	ug/l	79
73) Bromobenzene	12.976	156	48280	19.638	ug/l	98
74) n-propylbenzene	13.029	91	229571	19.456	ug/l	99
75) 2-Chlorotoluene	13.123	91	143192	19.627	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	167597	19.931	ug/l	99
77) t-1,4-Dichloro-2-butene	12.729	75	20254	18.888	ug/l	90
78) 4-Chlorotoluene	13.217	91	144822	19.557	ug/l	99
79) tert-butylbenzene	13.435	119	137376	19.890	ug/l	98
80) 1,2,4-Trimethylbenzene	13.476	105	167722	20.193	ug/l	98
81) sec-Butylbenzene	13.612	105	191002	19.466	ug/l	98
82) p-Isopropyltoluene	13.723	119	161402	19.841	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	86373	19.150	ug/l	100
84) 1,4-Dichlorobenzene	13.806	146	85216	19.386	ug/l	99
85) n-Butylbenzene	14.053	91	132097	19.359	ug/l	98
86) Hexachloroethane	14.335	117	31250	19.297	ug/l	98
87) 1,2-Dichlorobenzene	14.100	146	82331	19.338	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10161	17.026	ug/l	95
89) 1,2,4-Trichlorobenzene	15.835	180	40011	19.190	ug/l	96
90) Hexachlorobutadiene	15.494	225	21664	19.995	ug/l	99
91) Naphthalene	15.635	128	120498	18.602	ug/l	98
92) 1,2,3-Trichlorobenzene	15.835	180	40011	19.190	ug/l	96

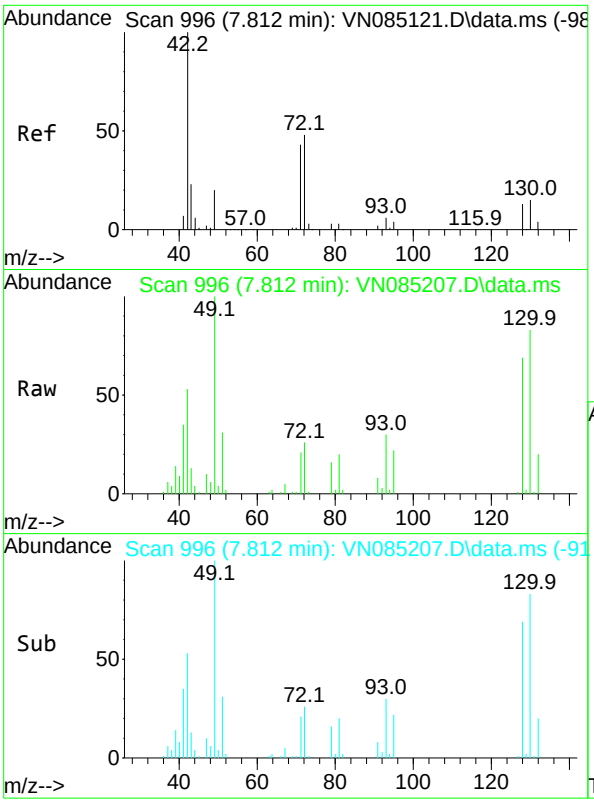
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085207.D
Acq On : 16 Dec 2024 09:42
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Quant Time: Dec 16 12:21:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration



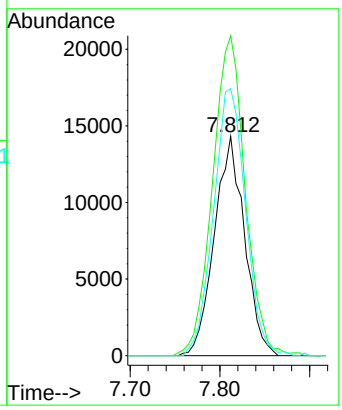


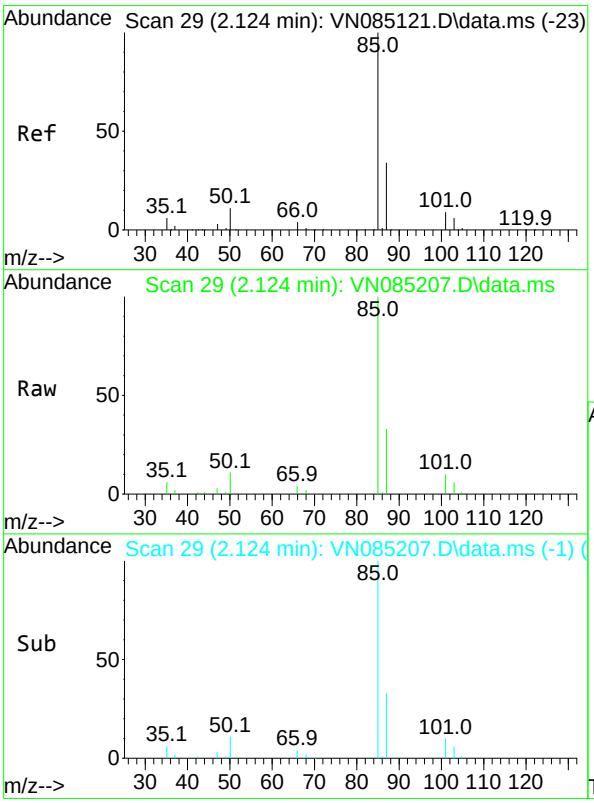
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:128 Resp: 33412

Ion	Ratio	Lower	Upper
128	100		
49	157.6	0.0	394.5
130	129.2	0.0	316.5

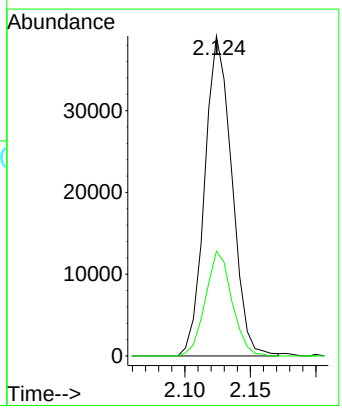


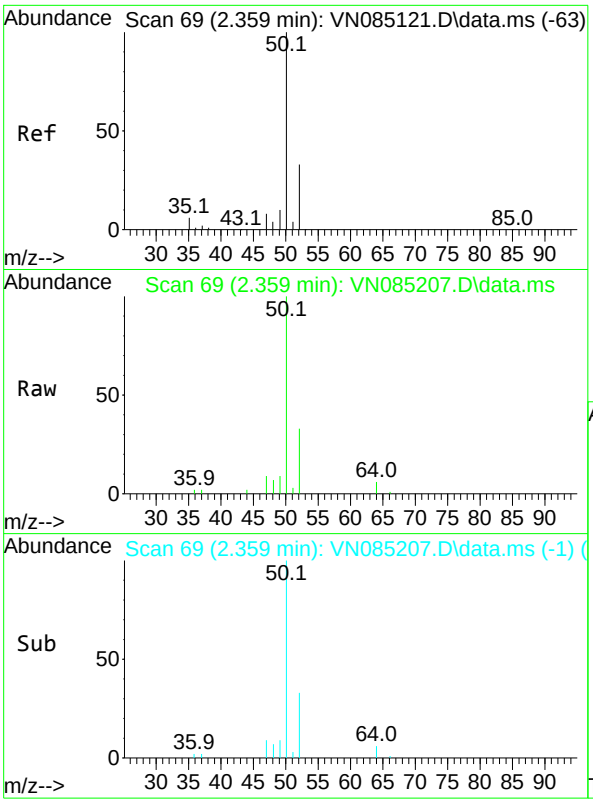


#2
Dichlorodifluoromethane
Concen: 21.047 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 85 Resp: 56261

Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.8	50.3



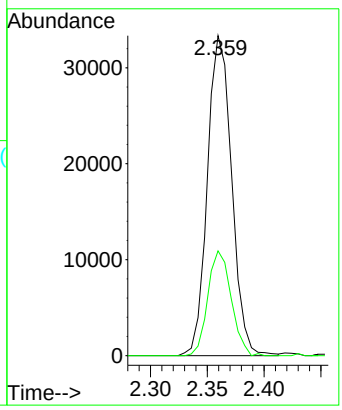


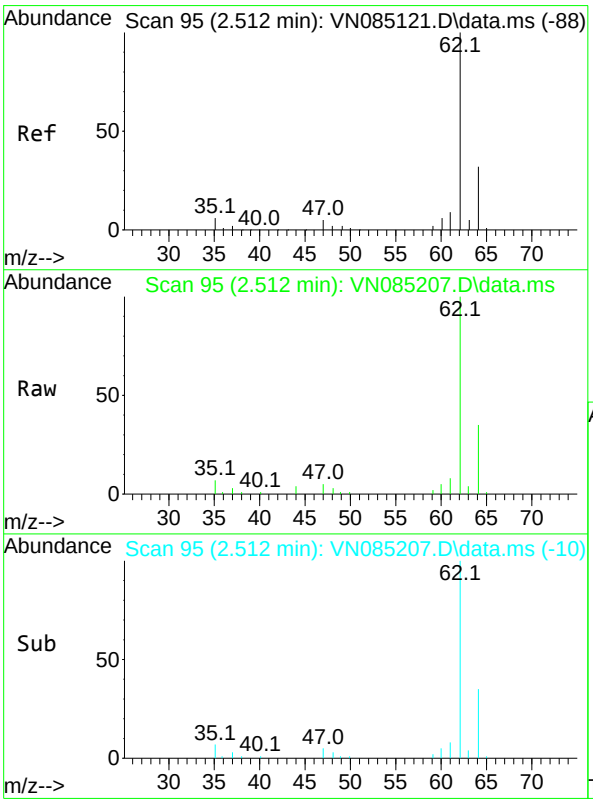
#3
Chloromethane
Concen: 20.963 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 50 Resp: 49600

Ion	Ratio	Lower	Upper
50	100		
52	32.8	25.0	37.4

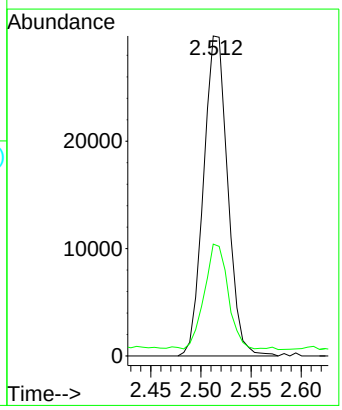


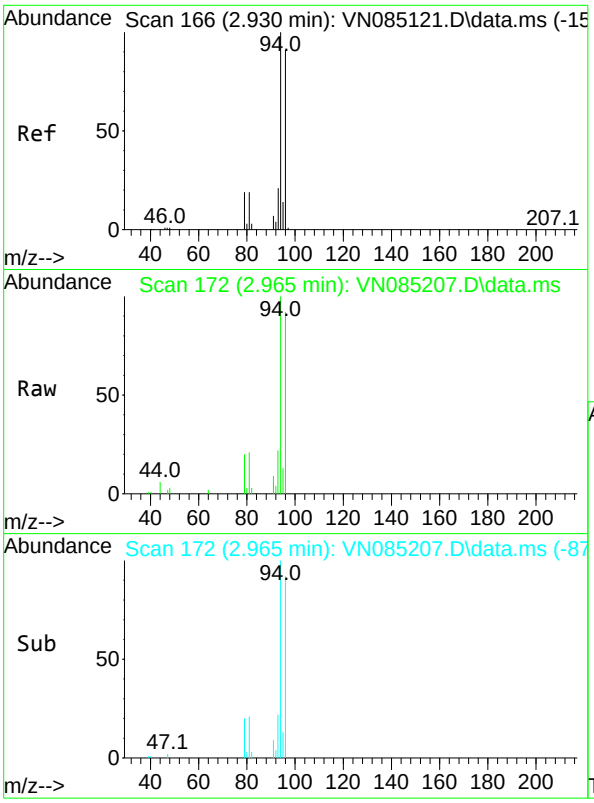


#4
Vinyl Chloride
Concen: 20.717 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 62 Resp: 50136

Ion	Ratio	Lower	Upper
62	100		
64	32.9	24.9	37.3



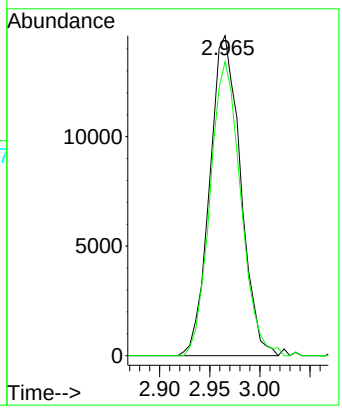


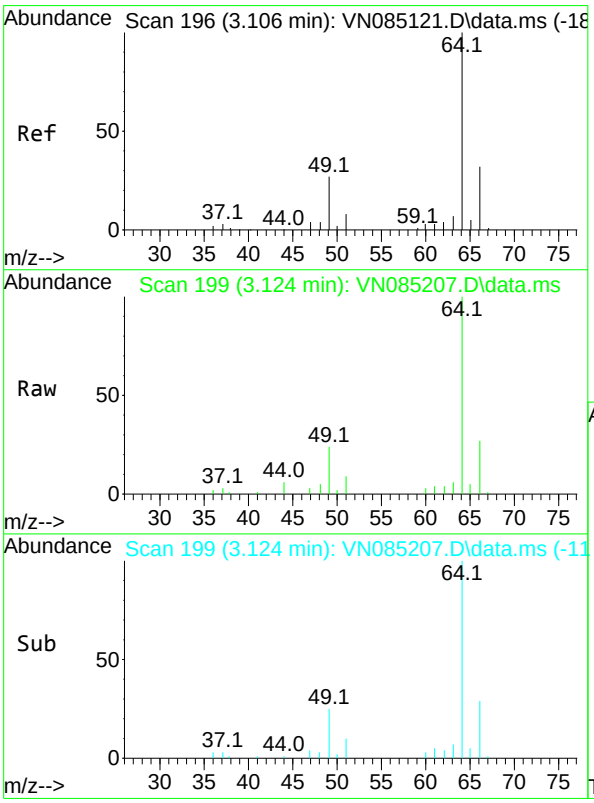
#5
Bromomethane
Concen: 20.321 ug/l
RT: 2.965 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 94 Resp: 31223

Ion	Ratio	Lower	Upper
94	100		
96	91.9	76.2	114.4

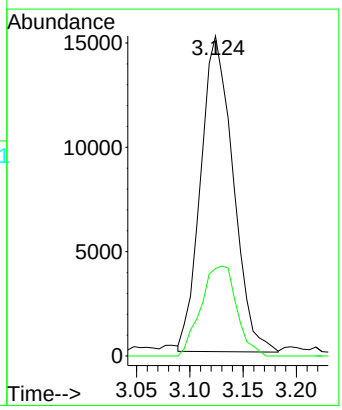


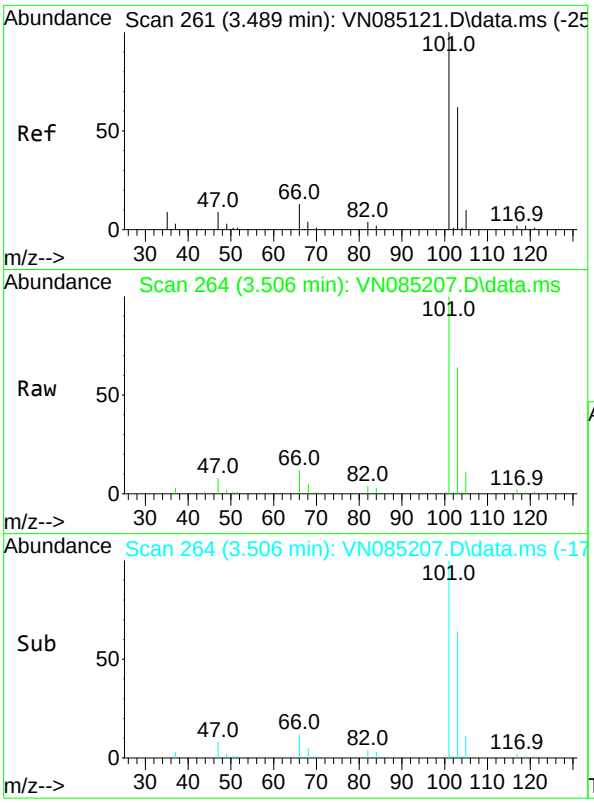


#6
Chloroethane
Concen: 21.532 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 64 Resp: 32014

Ion	Ratio	Lower	Upper
64	100		
66	27.7	25.5	38.3



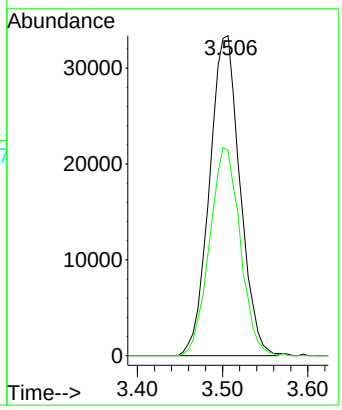


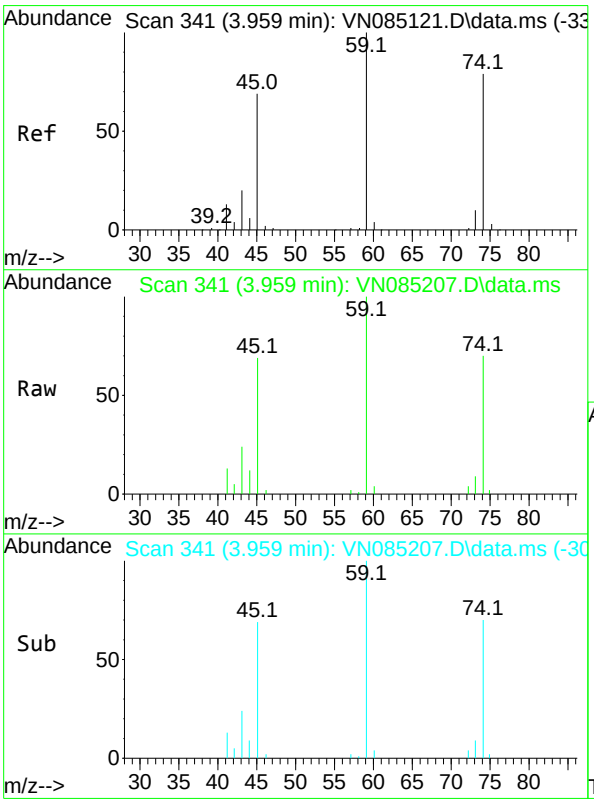
#7
Trichlorofluoromethane
Concen: 20.940 ug/l
RT: 3.506 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:101 Resp: 82951

Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.3	76.9

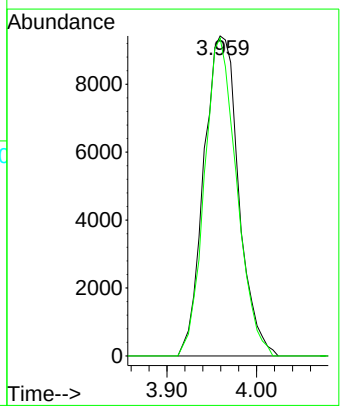


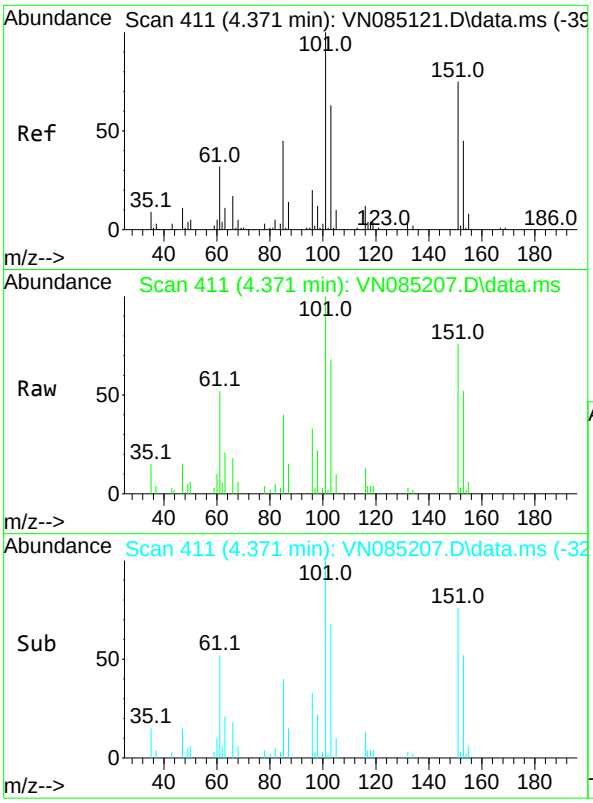


#8
Diethyl Ether
Concen: 20.165 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 74 Resp: 25301

Ion	Ratio	Lower	Upper
74	100		
45	92.2	18.6	167.8



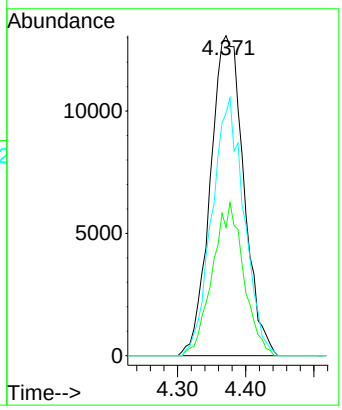


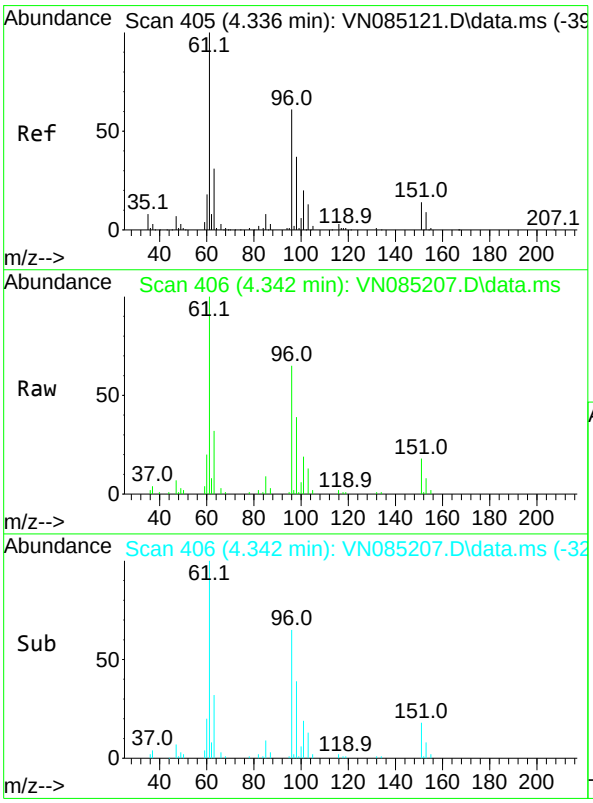
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.159 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:101 Resp: 44657

Ion	Ratio	Lower	Upper
101	100		
85	44.5	0.0	88.6
151	77.2	0.0	155.8

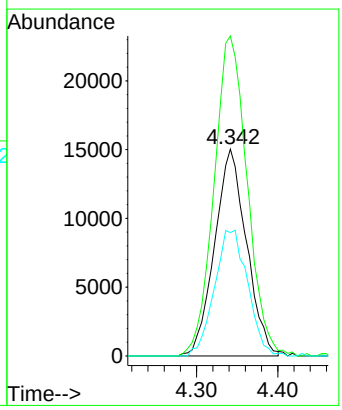


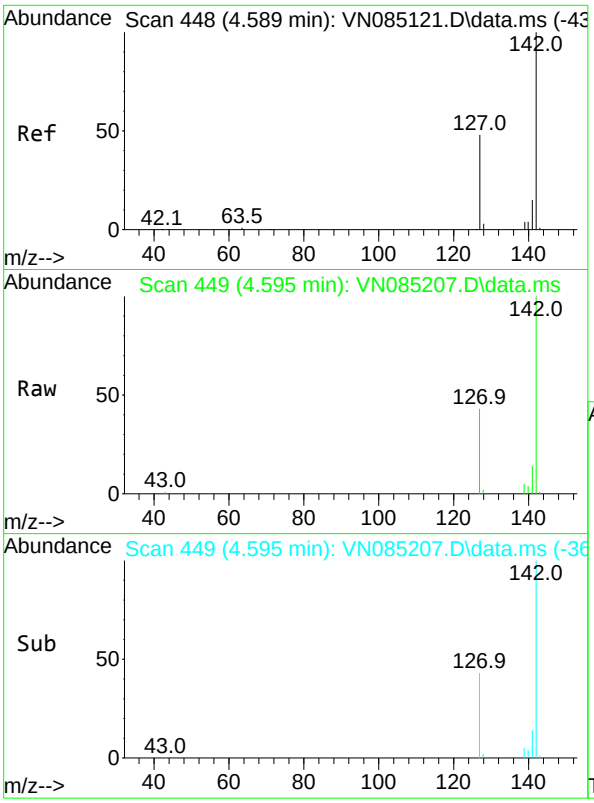


#10
1,1-Dichloroethene
Concen: 20.219 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 96 Resp: 41142

Ion	Ratio	Lower	Upper
96	100		
61	154.7	123.0	184.4
98	59.6	49.1	73.7



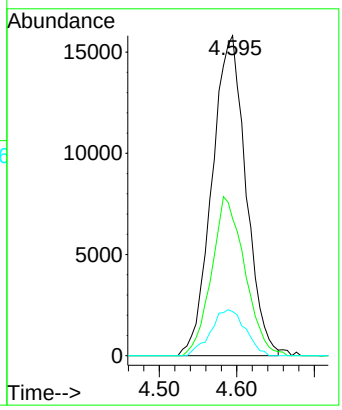


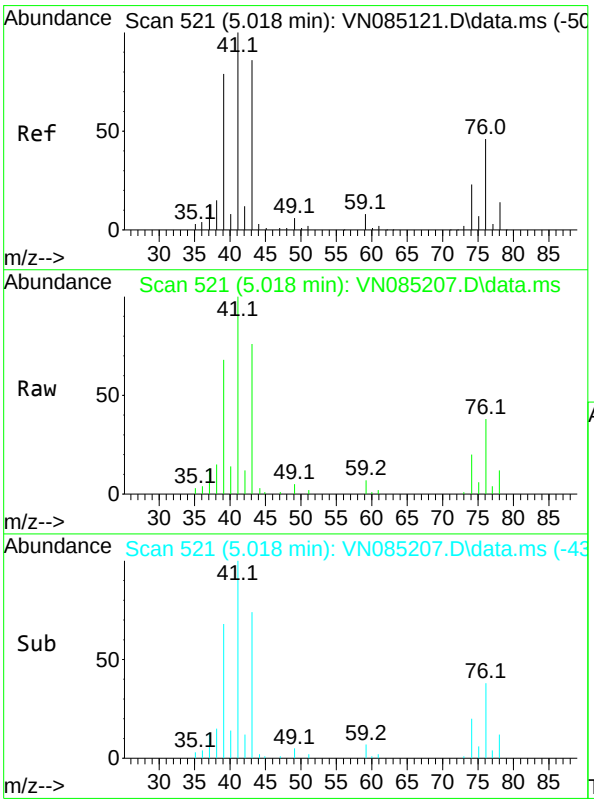
#11
Methyl Iodide
Concen: 17.027 ug/l
RT: 4.595 min Scan# 44
Delta R.T. 0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:142 Resp: 48050

Ion	Ratio	Lower	Upper
142	100		
127	42.6	22.5	67.5
141	13.9	8.3	24.9

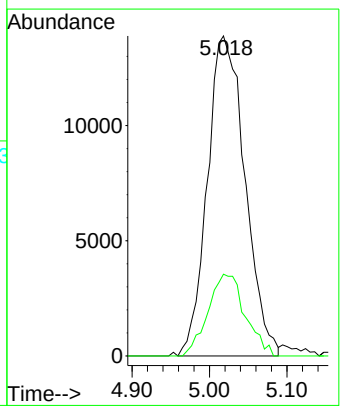


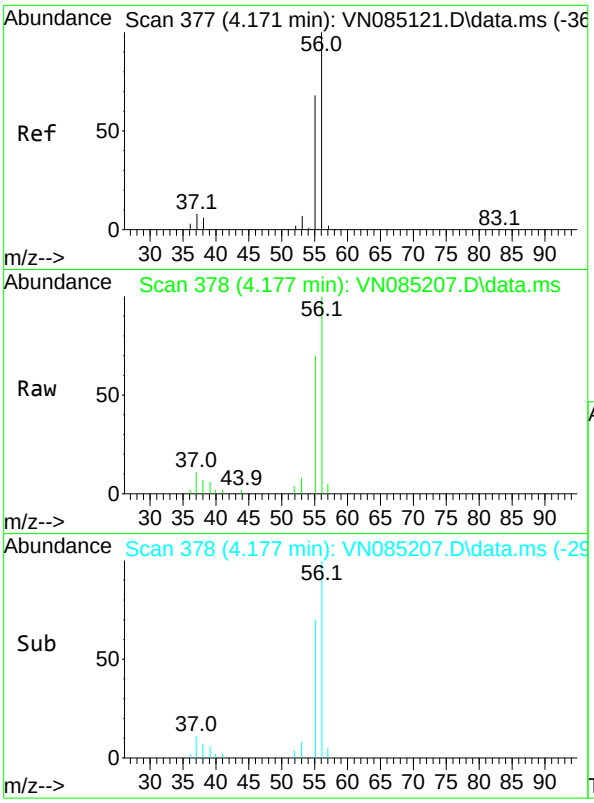


#12
Methyl Acetate
Concen: 19.513 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 43 Resp: 46842

Ion	Ratio	Lower	Upper
43	100		
74	25.9	19.8	29.6



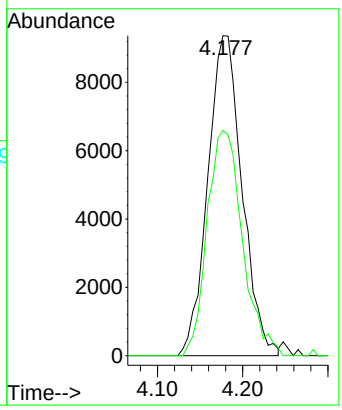


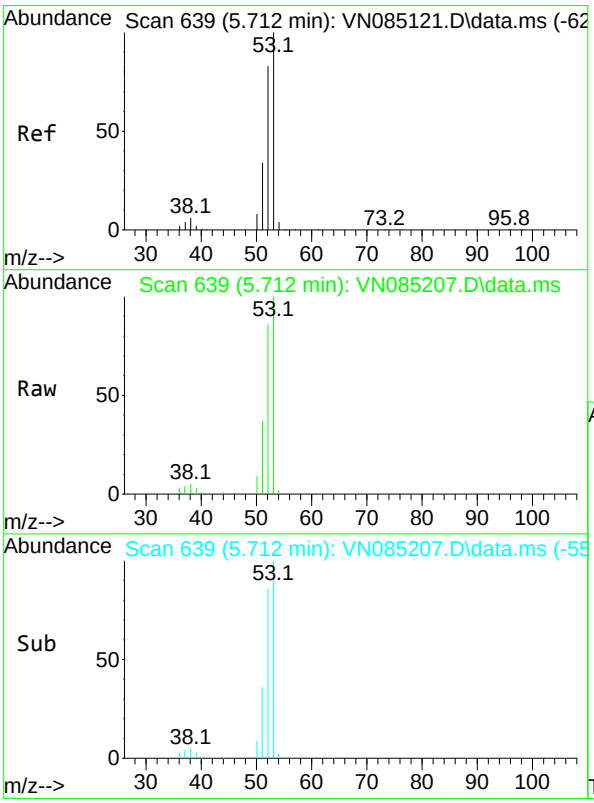
#13
Acrolein
Concen: 75.017 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 56 Resp: 26169

Ion	Ratio	Lower	Upper
56	100		
55	70.7	59.4	89.0

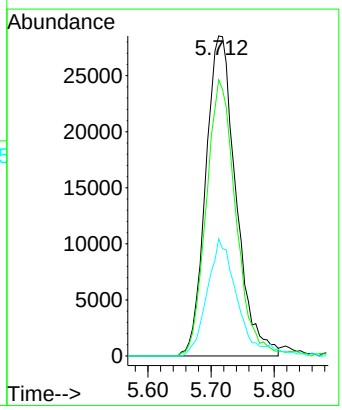


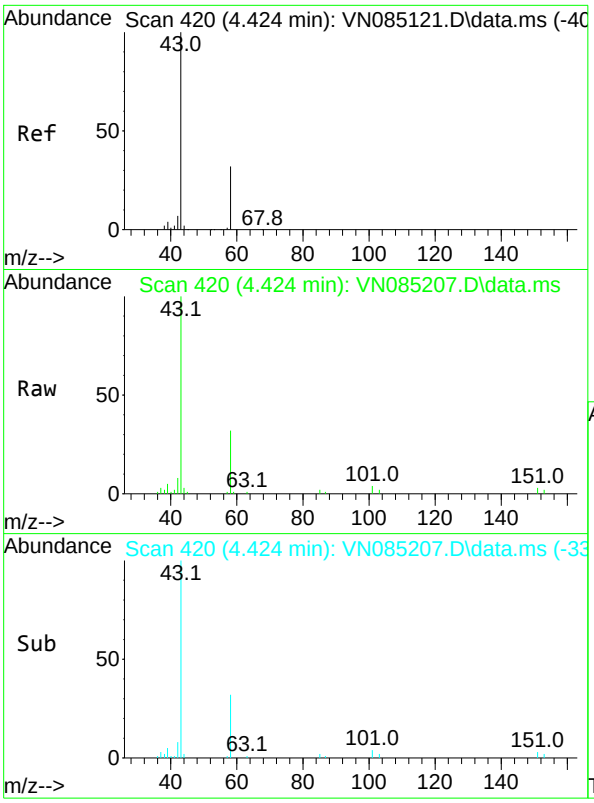


#14
Acrylonitrile
Concen: 95.305 ug/l
RT: 5.712 min Scan# 639
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 53 Resp: 94996

Ion	Ratio	Lower	Upper
53	100		
52	83.9	42.9	128.5
51	35.1	17.2	51.5



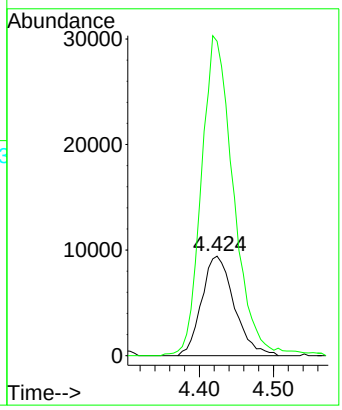


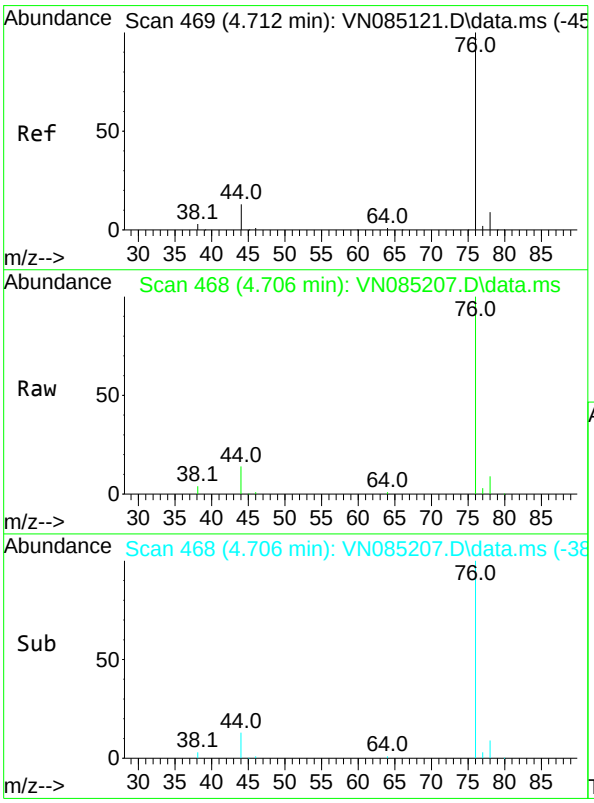
#15
Acetone
Concen: 106.386 ug/l
RT: 4.424 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 58 Resp: 28736

Ion	Ratio	Lower	Upper
58	100		
43	311.0	242.3	363.5

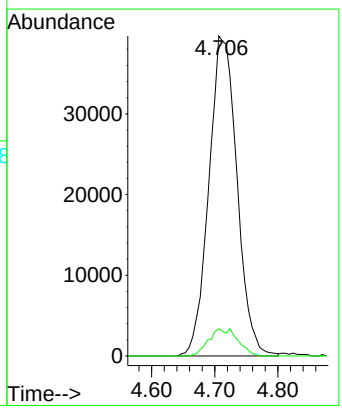


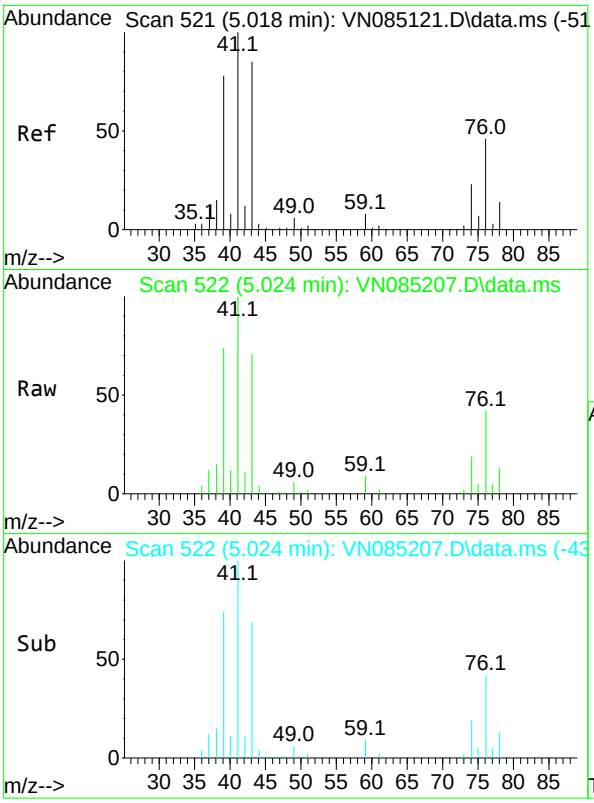


#16
Carbon Disulfide
Concen: 20.161 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 76 Resp: 122618

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.1	10.7



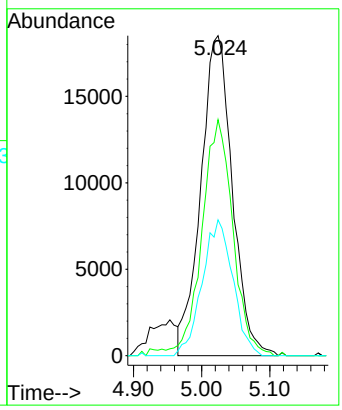


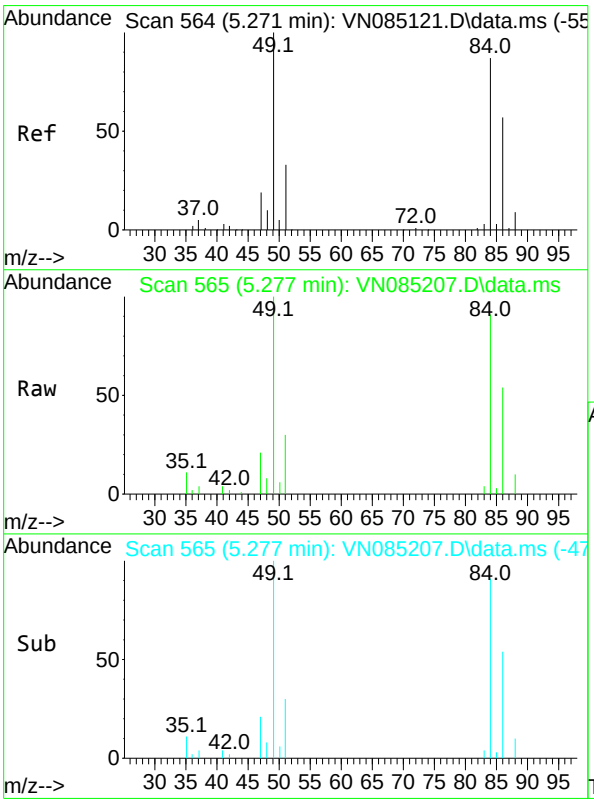
#17
Allyl chloride
Concen: 20.428 ug/l
RT: 5.024 min Scan# 5
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 41 Resp: 59479

Ion	Ratio	Lower	Upper
41	100		
39	73.7	32.0	96.2
76	42.4	20.2	60.5

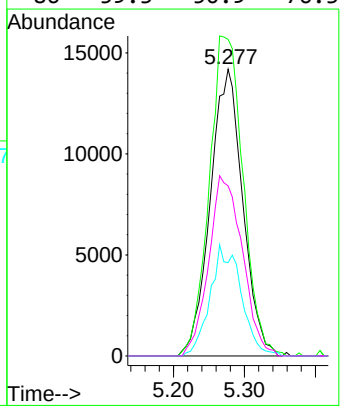


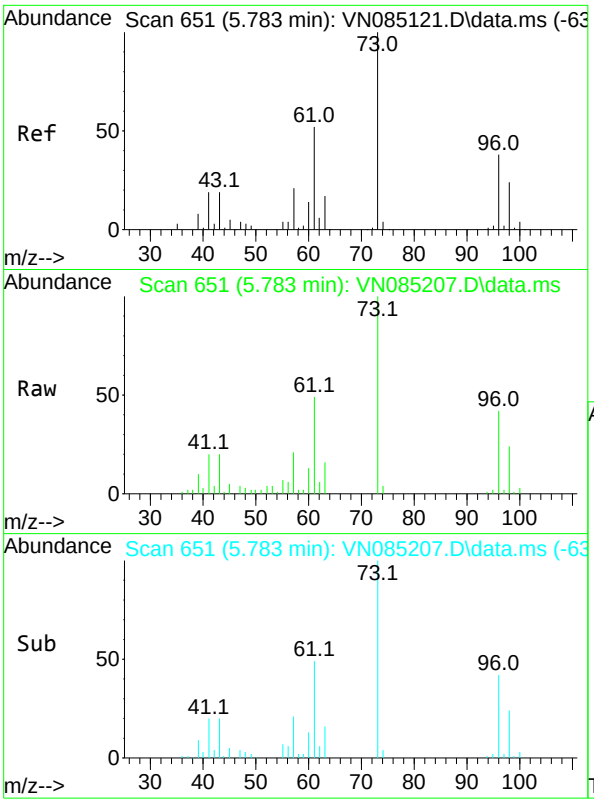


#18
Methylene Chloride
Concen: 19.515 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 84 Resp: 45057

Ion	Ratio	Lower	Upper
84	100		
49	110.5	95.1	142.7
51	32.6	27.4	41.0
86	59.3	50.9	76.3



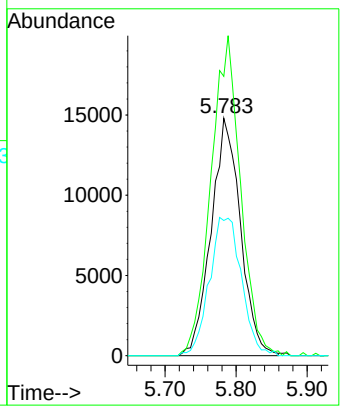


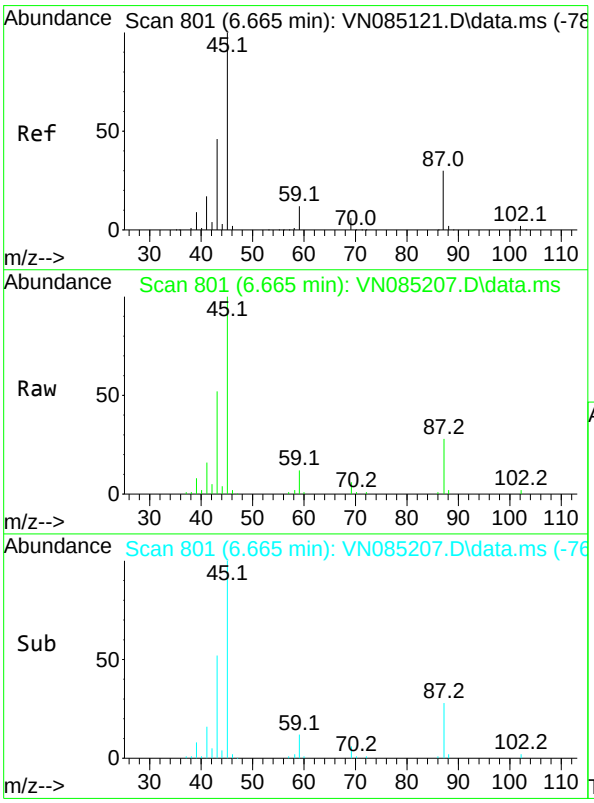
#19
trans-1,2-Dichloroethene
Concen: 20.081 ug/l
RT: 5.783 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 96 Resp: 42471

Ion	Ratio	Lower	Upper
96	100		
61	117.7	100.4	150.6
98	56.9	52.6	79.0

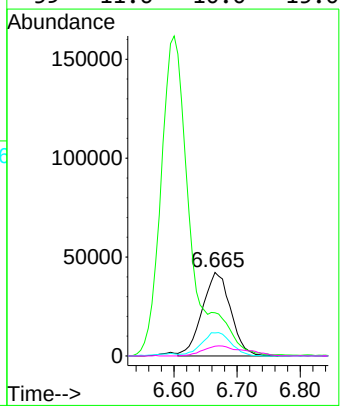


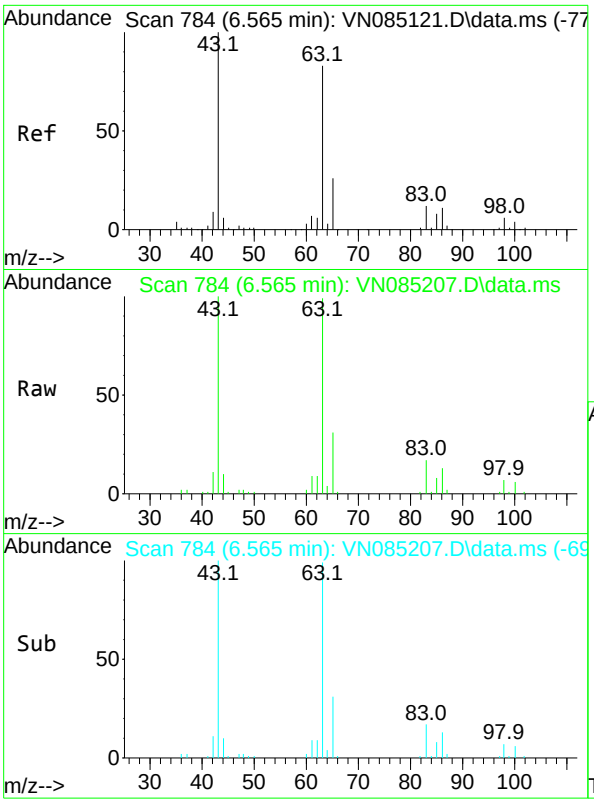


#20
Diisopropyl ether
Concen: 20.625 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 45 Resp: 131789

Ion	Ratio	Lower	Upper
45	100		
43	50.1	41.9	62.9
87	27.7	24.1	36.1
59	11.6	10.0	15.0



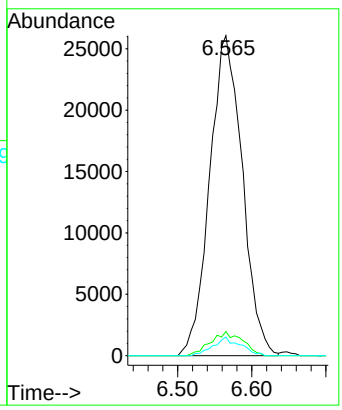


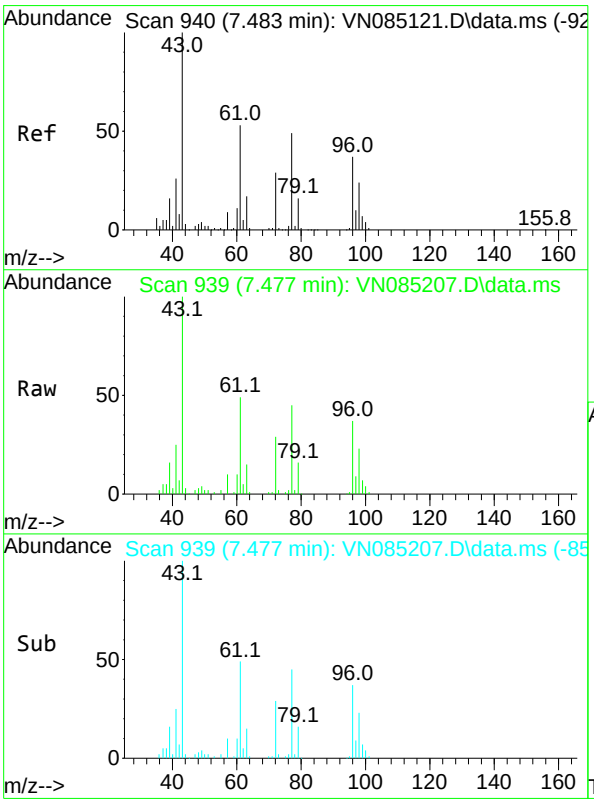
#21
1,1-Dichloroethane
Concen: 20.207 ug/l
RT: 6.565 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 79692

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.5	10.4
100	5.8	1.6	4.8#

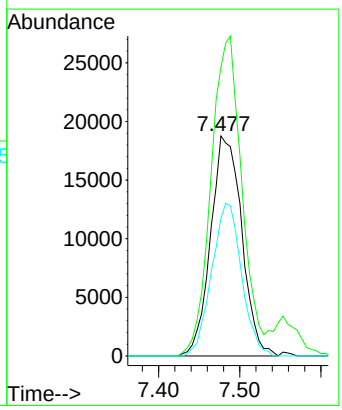


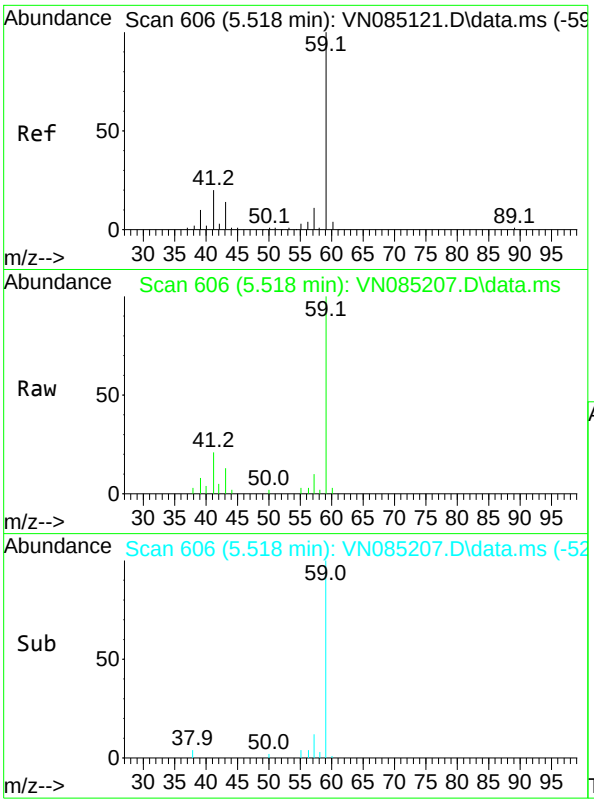


#22
cis-1,2-Dichloroethene
Concen: 20.511 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.012 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 96 Resp: 49862

Ion	Ratio	Lower	Upper
96	100		
61	143.7	115.9	173.9
98	66.7	51.8	77.8



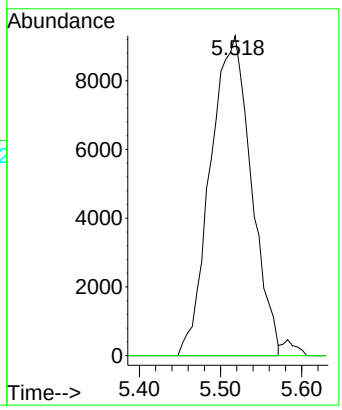


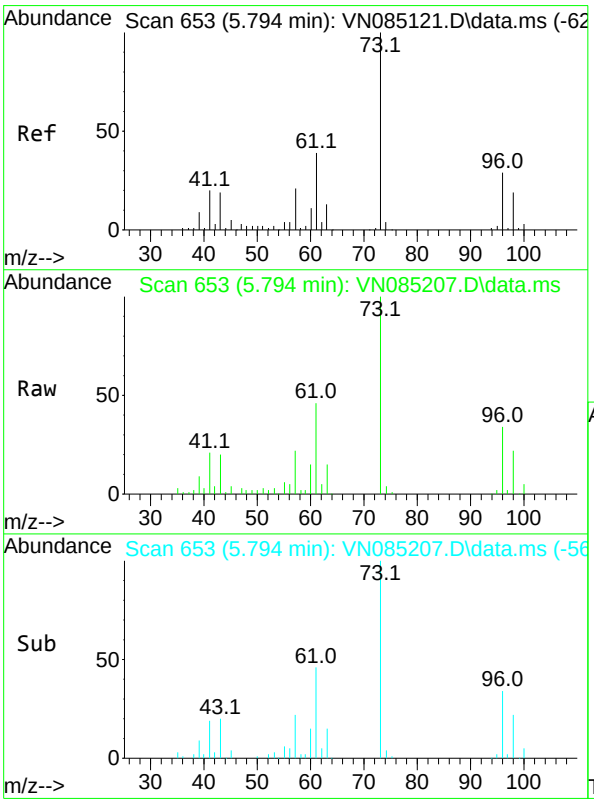
#23
tert-Butyl Alcohol
Concen: 91.223 ug/l
RT: 5.518 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 59 Resp: 32619

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

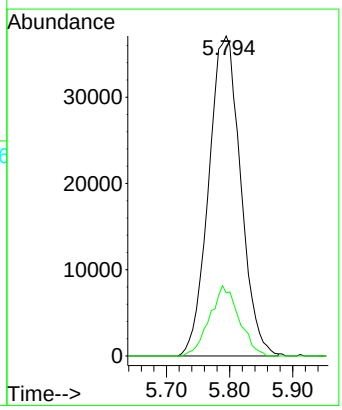


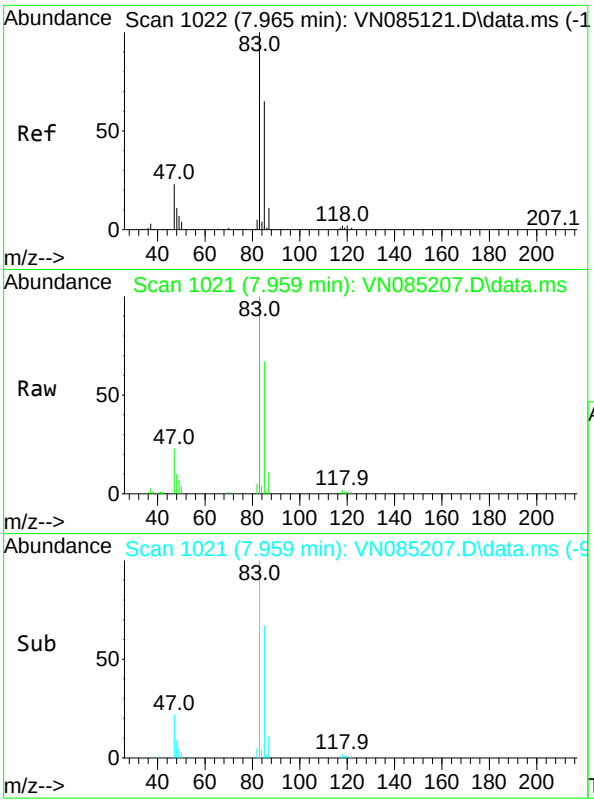


#24
Methyl tert-Butyl Ether
Concen: 20.480 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 73 Resp: 130198

Ion	Ratio	Lower	Upper
73	100		
43	20.3	8.7	13.1#



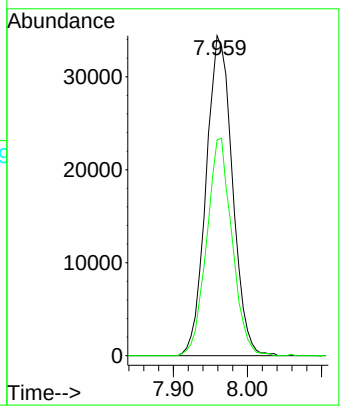


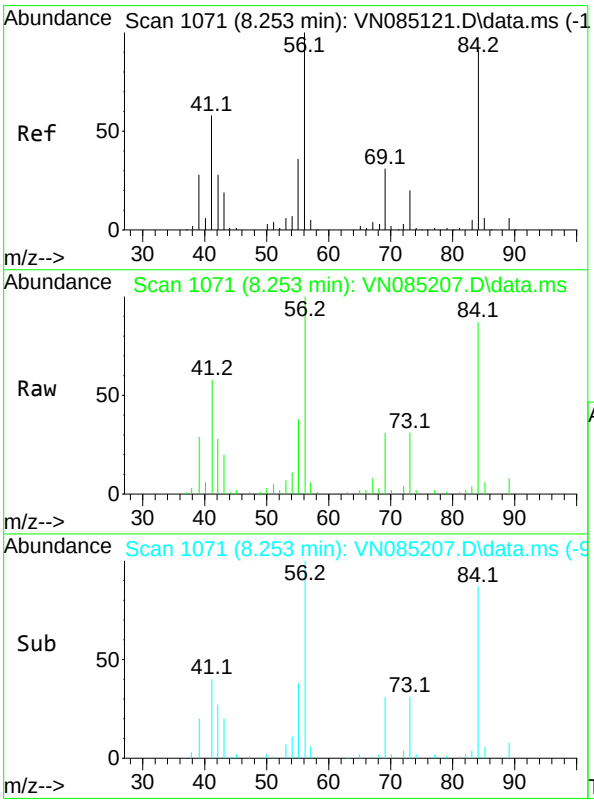
#25
Chloroform
Concen: 20.530 ug/l
RT: 7.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 84820

Ion	Ratio	Lower	Upper
83	100		
85	67.4	49.4	74.0

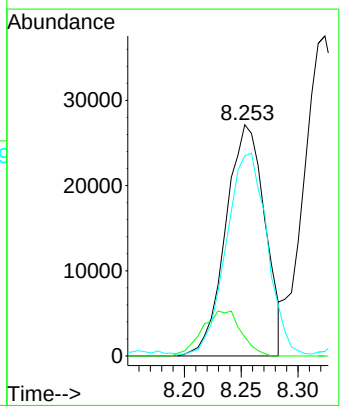


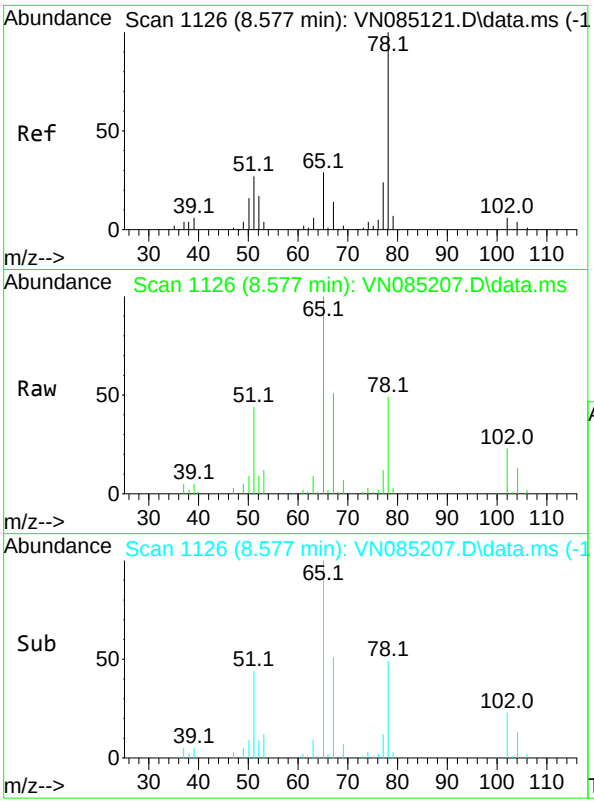


#26
Cyclohexane
Concen: 20.069 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 56 Resp: 65168

Ion	Ratio	Lower	Upper
56	100		
89	19.4	19.5	29.3#
84	92.1	70.6	105.8



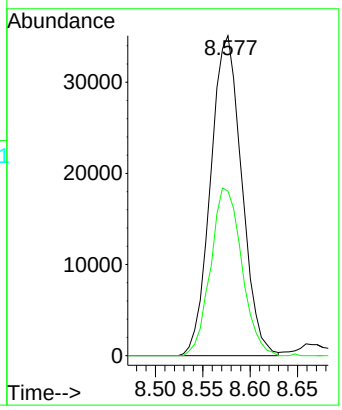


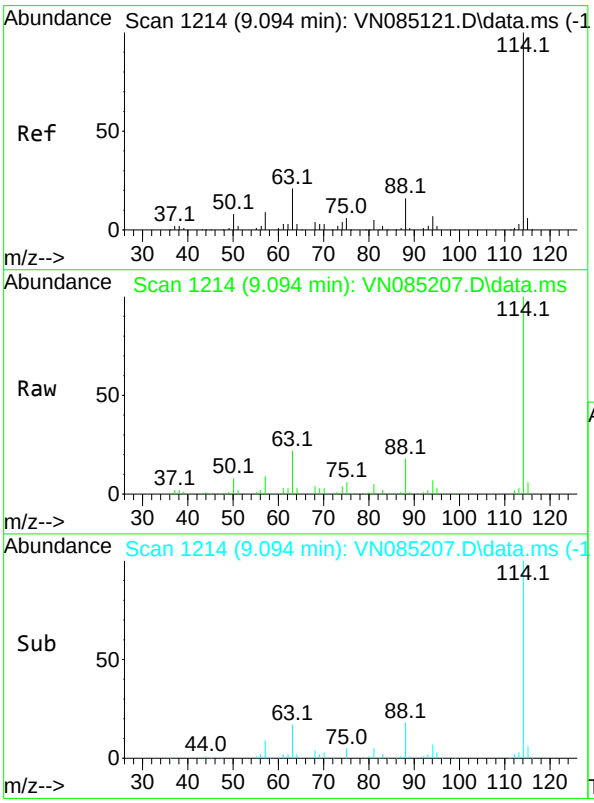
#27
1,2-Dichloroethane-d4
Concen: 30.226 ug/l
RT: 8.577 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 65 Resp: 80133

Ion	Ratio	Lower	Upper
65	100		
67	52.4	39.9	59.9

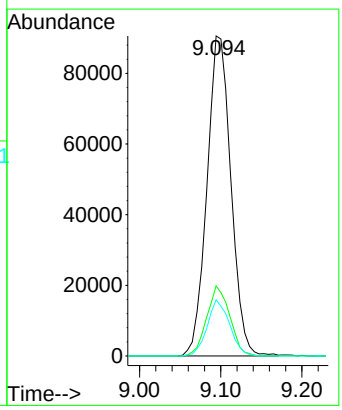


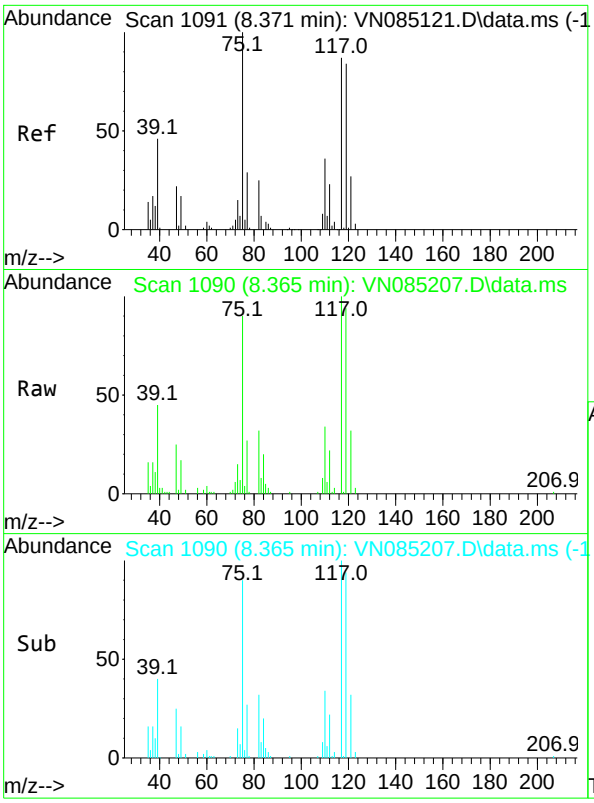


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:114 Resp: 185962

Ion	Ratio	Lower	Upper
114	100		
63	21.0	16.2	24.2
88	16.4	12.5	18.7



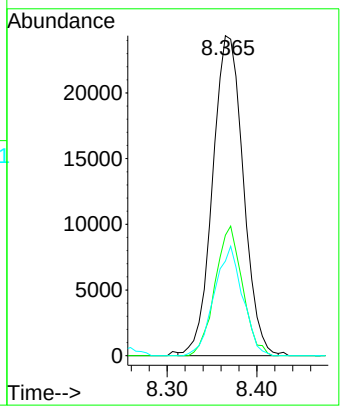


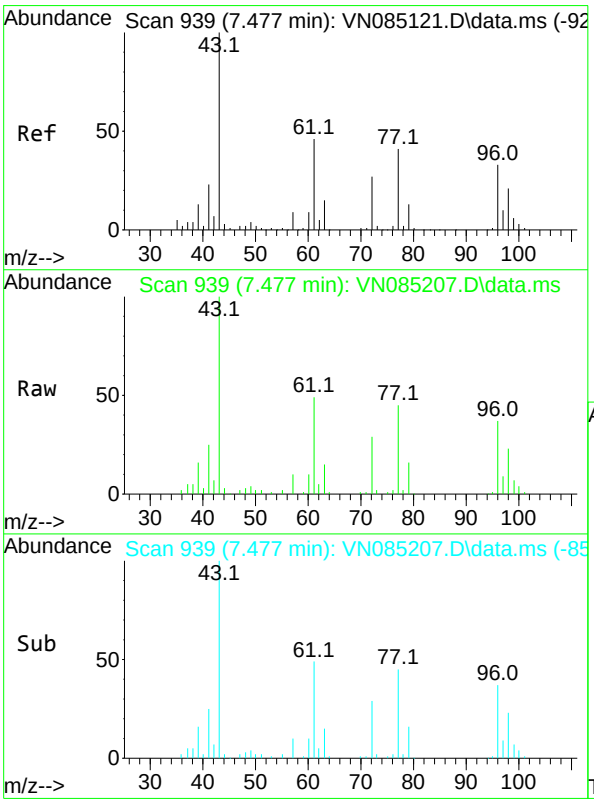
#29
1,1-Dichloropropene
Concen: 19.254 ug/l
RT: 8.365 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 75 Resp: 57776

Ion	Ratio	Lower	Upper
75	100		
110	36.1	0.0	71.6
77	31.6	0.0	62.2

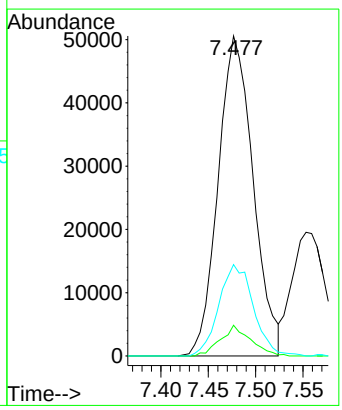


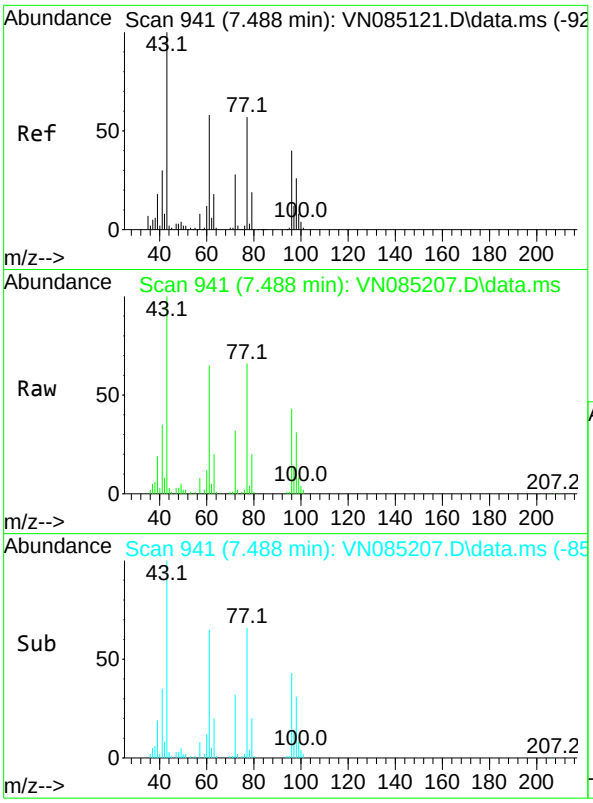


#30
2-Butanone
Concen: 94.489 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 43 Resp: 130116

Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.9	10.3
72	28.2	21.8	32.8



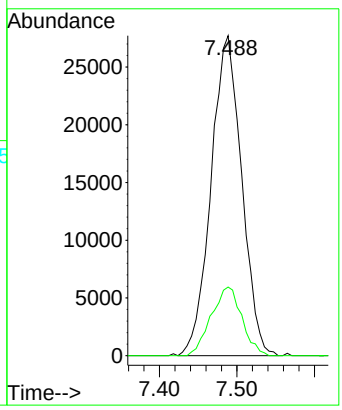


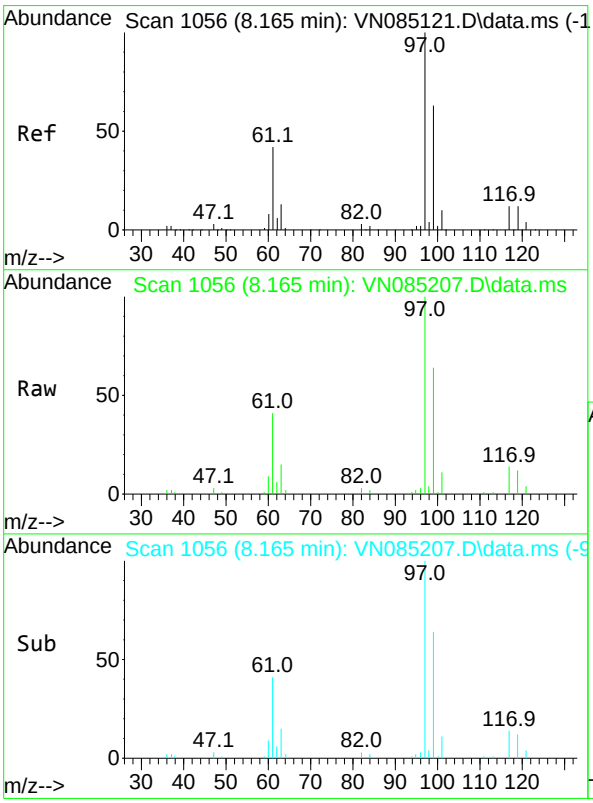
#31
2,2-Dichloropropane
Concen: 19.826 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 77 Resp: 76289

Ion	Ratio	Lower	Upper
77	100		
97	21.5	0.0	0.0#

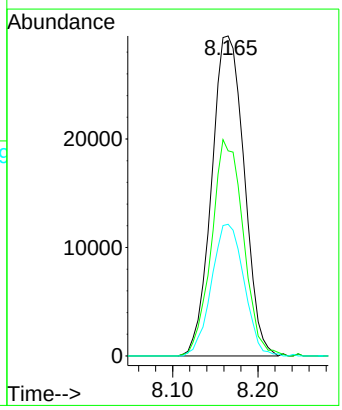


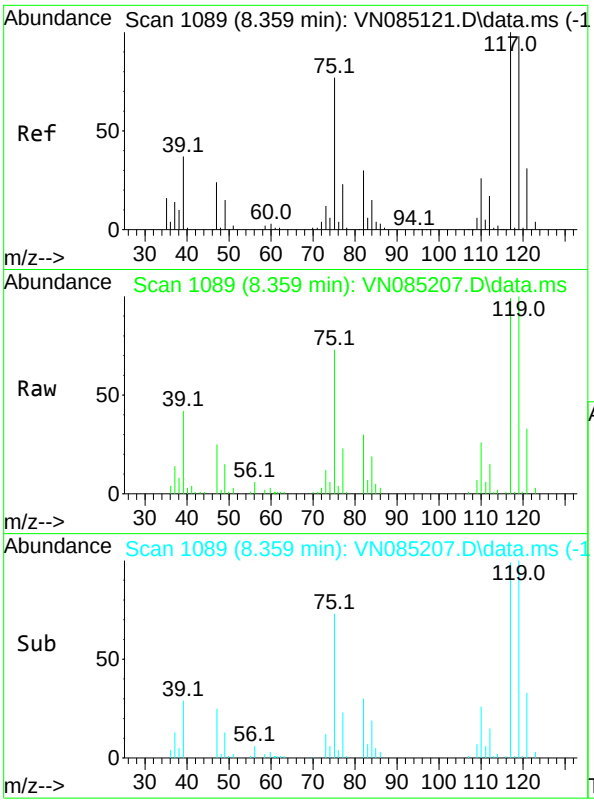


#32
1,1,1-Trichloroethane
Concen: 19.264 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 97 Resp: 78244

Ion	Ratio	Lower	Upper
97	100		
99	65.9	50.8	76.2
61	41.2	32.7	49.1



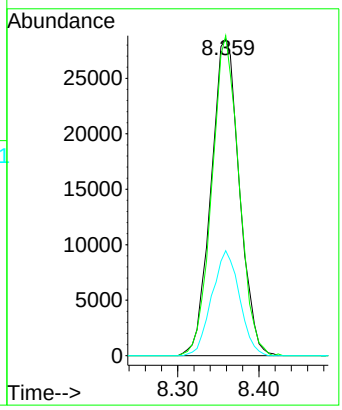


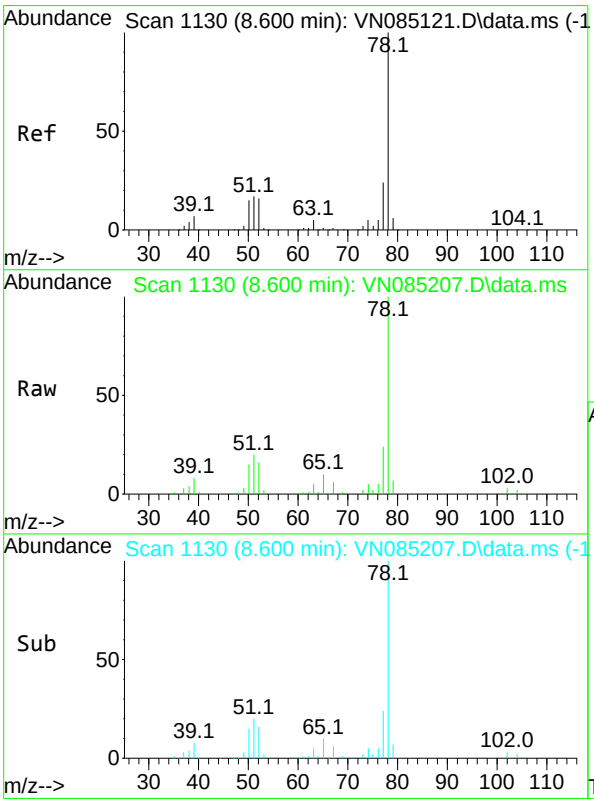
#33
Carbon Tetrachloride
Concen: 18.888 ug/l
RT: 8.359 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:117 Resp: 69225

Ion	Ratio	Lower	Upper
117	100		
119	101.0	81.6	122.4
121	33.1	26.5	39.7

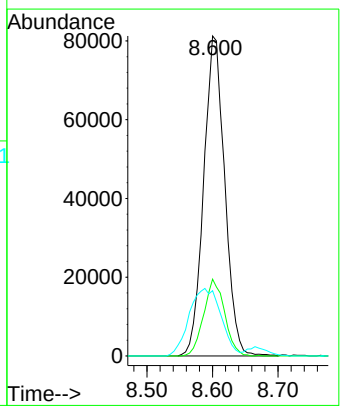


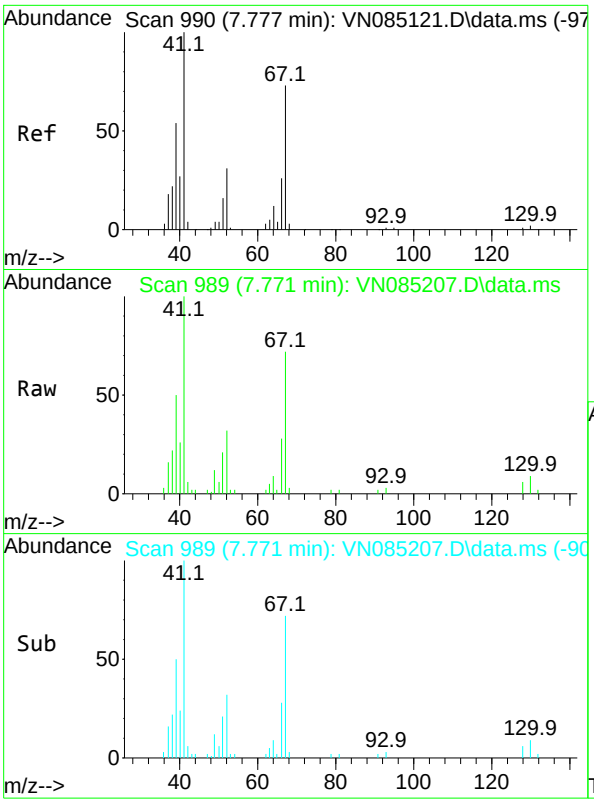


#34
Benzene
Concen: 19.246 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 78 Resp: 181426

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.0	27.0
51	20.0	12.4	18.6#



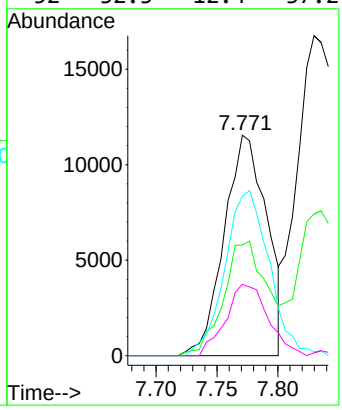


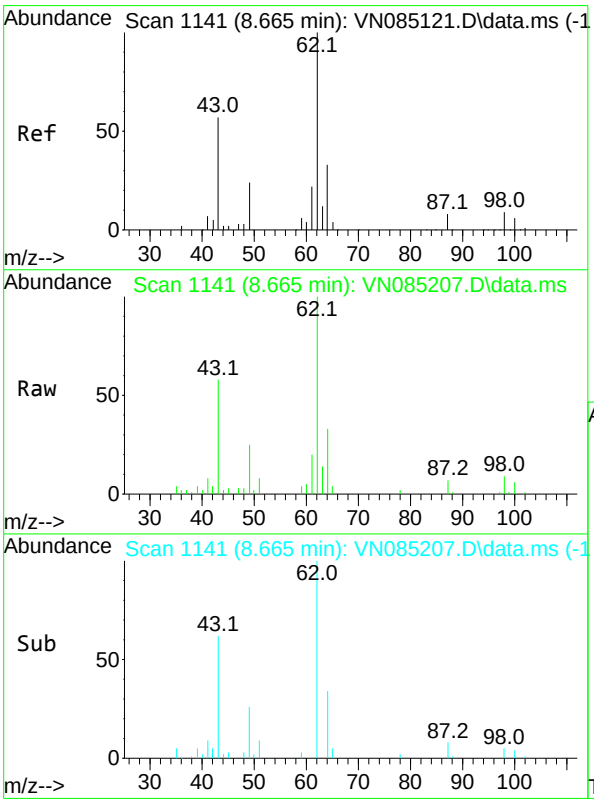
#35
Methacrylonitrile
Concen: 18.152 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 41 Resp: 28129

Ion	Ratio	Lower	Upper
41	100		
39	50.2	24.4	73.2
67	72.3	37.0	110.9
52	32.3	12.4	37.2

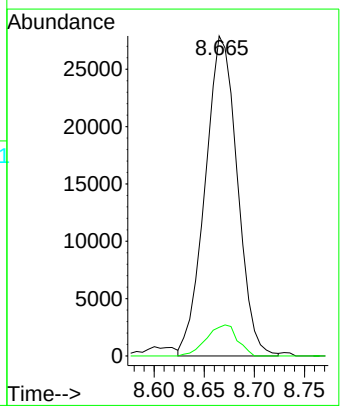


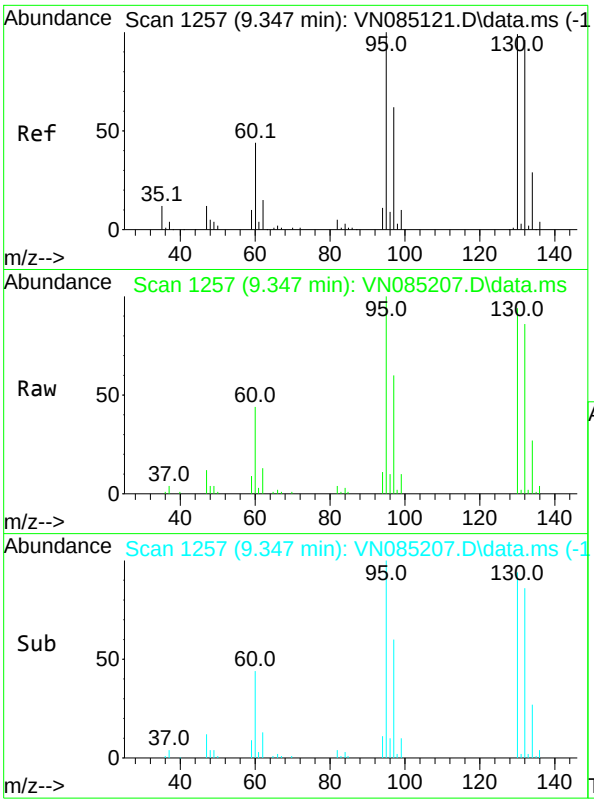


#36
1,2-Dichloroethane
Concen: 19.368 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 62 Resp: 62153

Ion	Ratio	Lower	Upper
62	100		
98	9.3	7.3	10.9



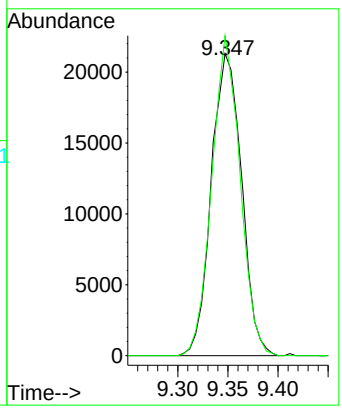


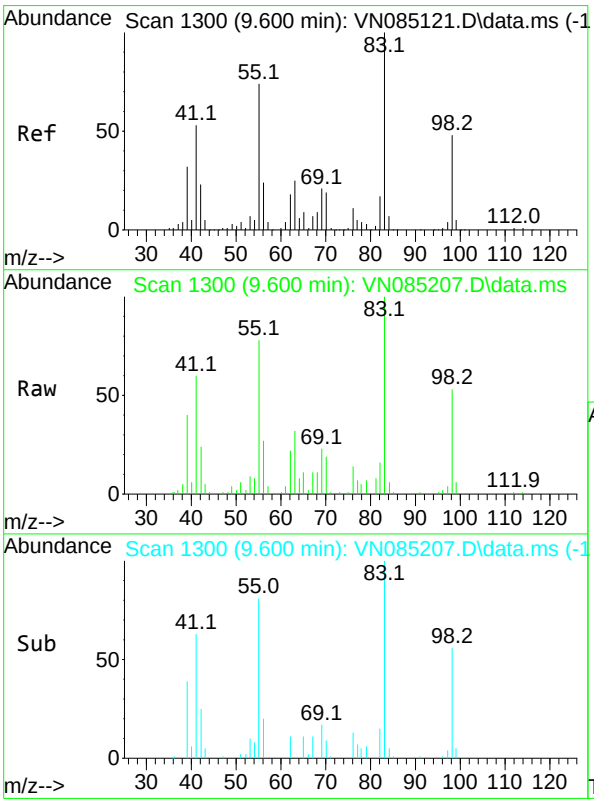
#37
Trichloroethene
Concen: 19.949 ug/l
RT: 9.347 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:130 Resp: 44782

Ion	Ratio	Lower	Upper
130	100		
95	105.9	76.2	114.4

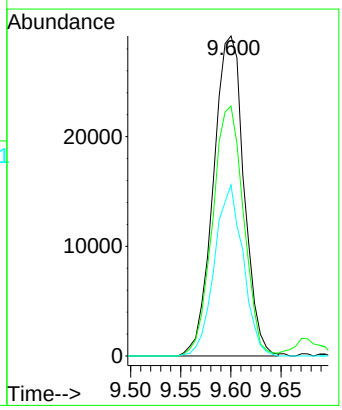


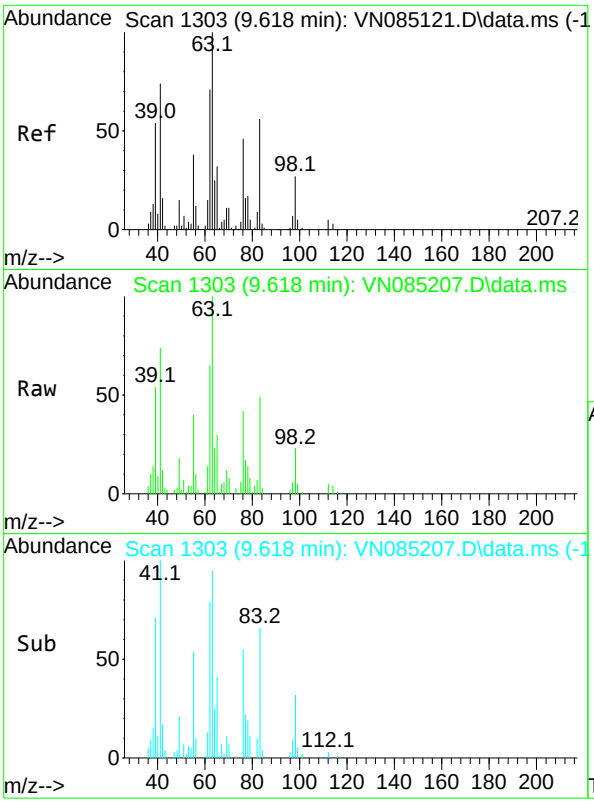


#38
Methylcyclohexane
Concen: 19.000 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 83 Resp: 61994

Ion	Ratio	Lower	Upper
83	100		
55	79.1	41.4	124.4
98	49.9	25.7	77.1



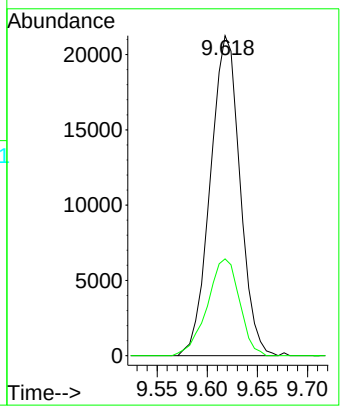


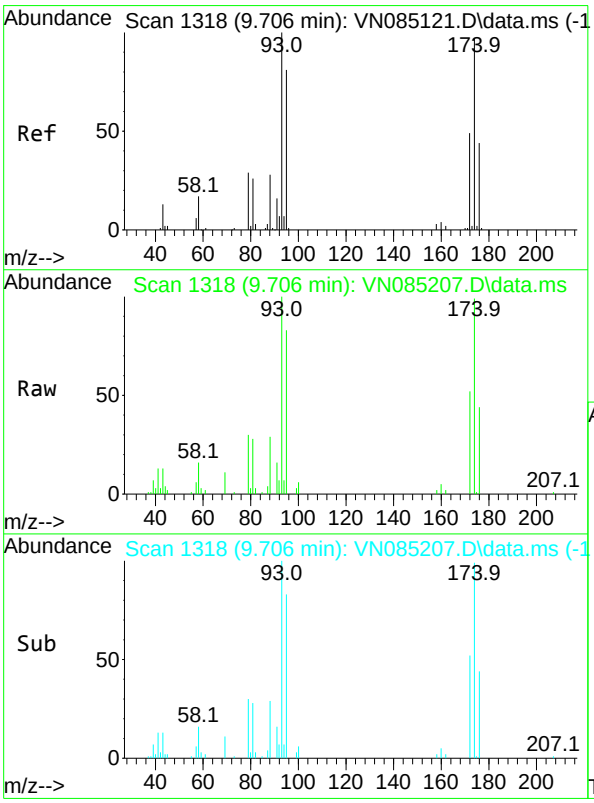
#39
1,2-Dichloropropane
Concen: 19.143 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 43708

Ion	Ratio	Lower	Upper
63	100		
65	30.3	23.4	35.0

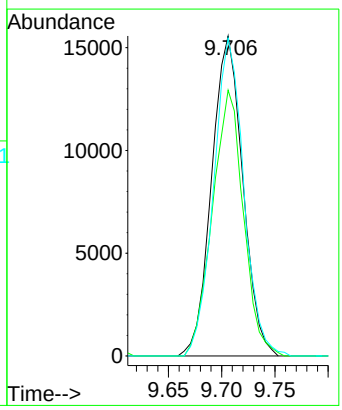


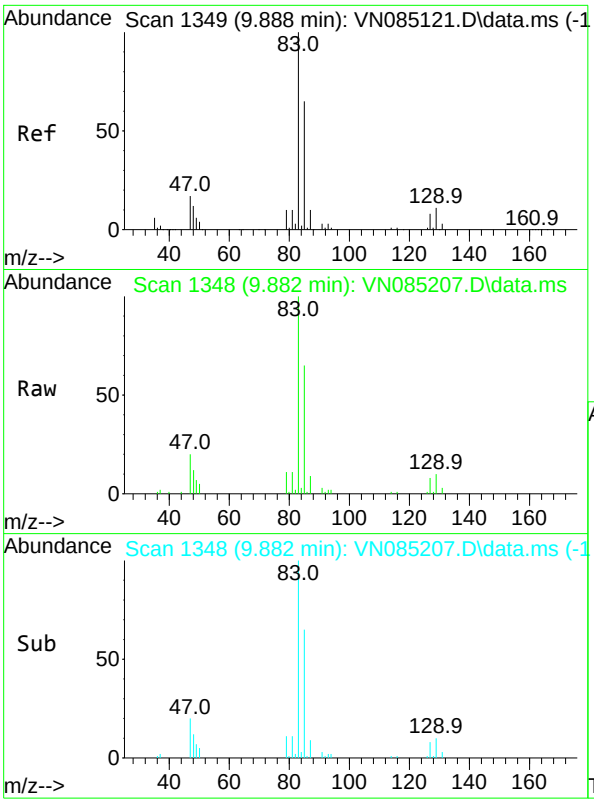


#40
Dibromomethane
Concen: 19.271 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 93 Resp: 31562

Ion	Ratio	Lower	Upper
93	100		
95	82.7	0.0	169.4
174	96.3	0.0	189.8



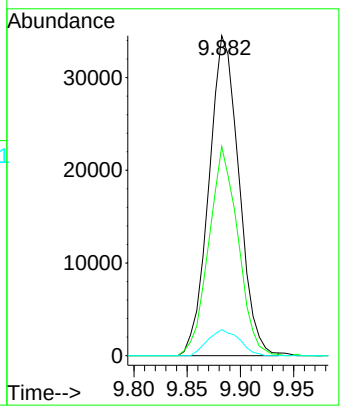


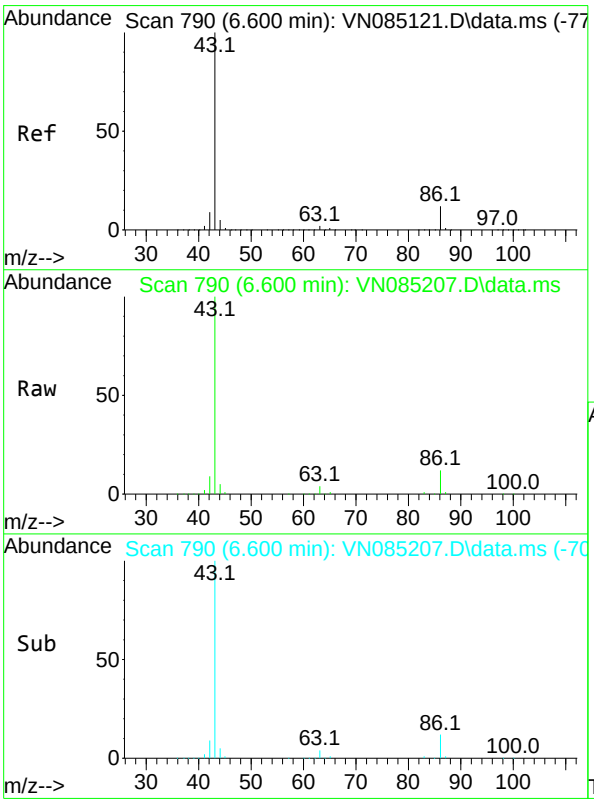
#41
Bromodichloromethane
Concen: 19.343 ug/l
RT: 9.882 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 67723

Ion	Ratio	Lower	Upper
83	100		
85	65.3	54.6	81.8
127	8.1	7.0	10.6

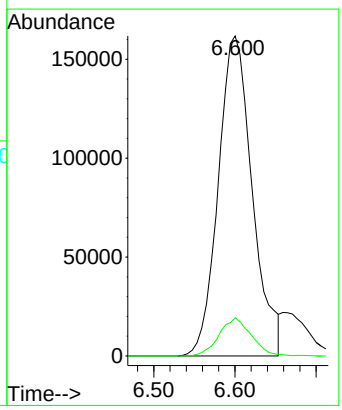


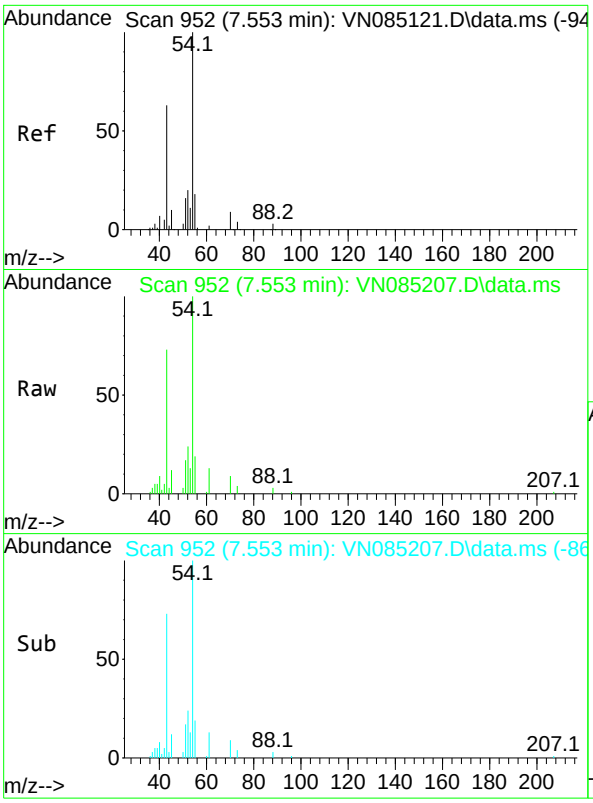


#42
Vinyl Acetate
Concen: 97.906 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 43 Resp: 471771

Ion	Ratio	Lower	Upper
43	100		
86	11.2	9.2	13.8



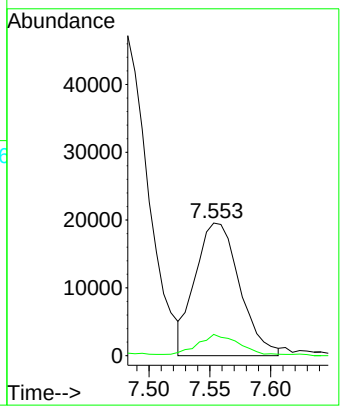


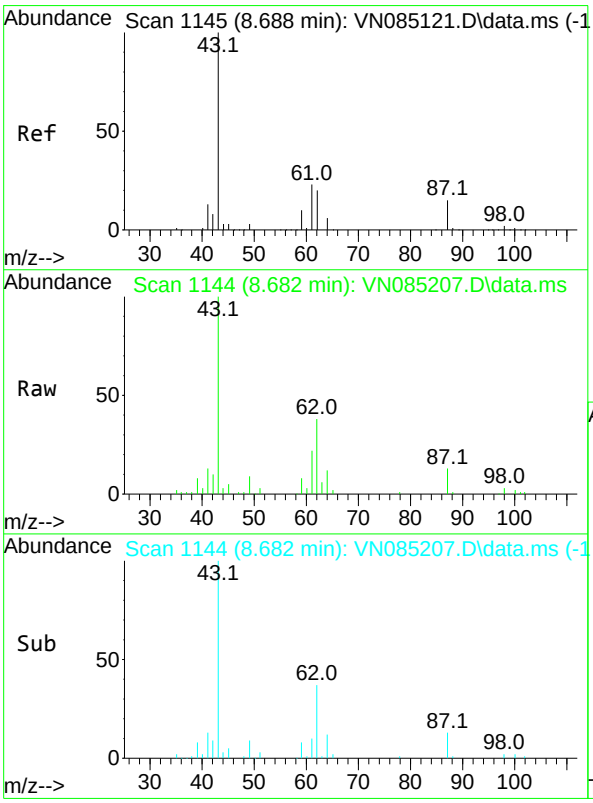
#43
Ethyl Acetate
Concen: 18.066 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 43 Resp: 49499

Ion	Ratio	Lower	Upper
43	100		
45	14.9	13.3	19.9

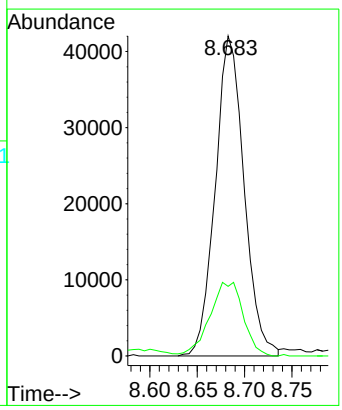


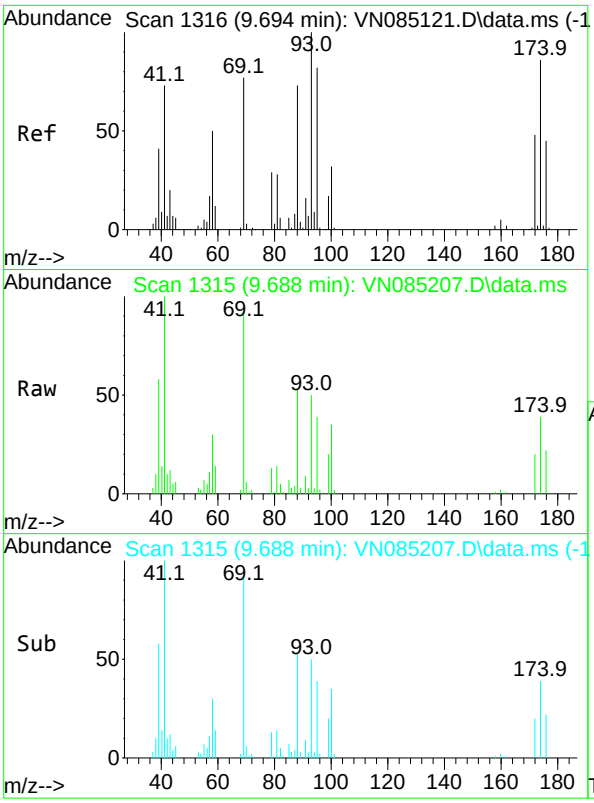


#44
Isopropyl Acetate
Concen: 18.694 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 43 Resp: 89011

Ion	Ratio	Lower	Upper
43	100		
61	26.7	21.5	32.3



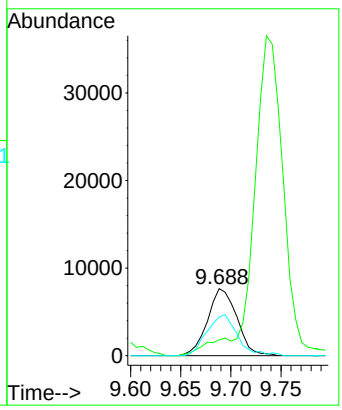


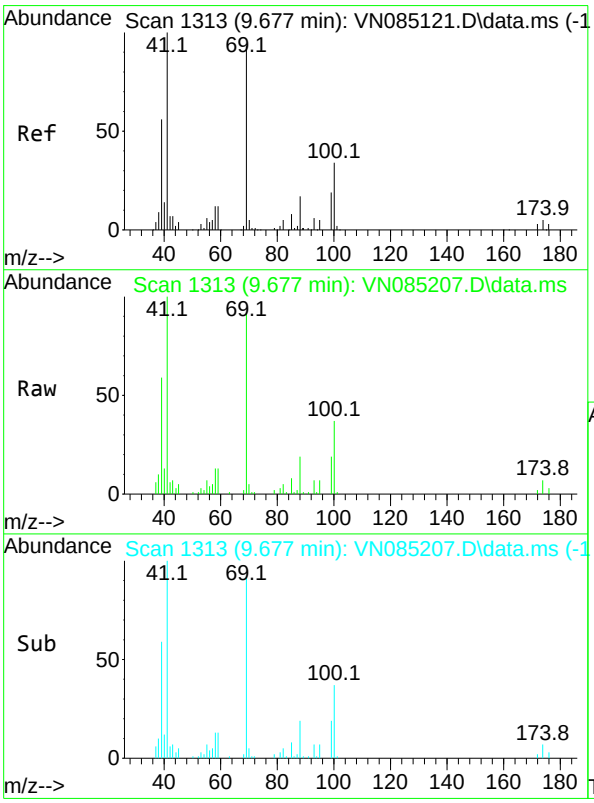
#45
1,4-Dioxane
Concen: 392.939 ug/l
RT: 9.688 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 88 Resp: 15602

Ion	Ratio	Lower	Upper
88	100		
43	24.2	21.7	32.5
58	62.3	52.6	79.0

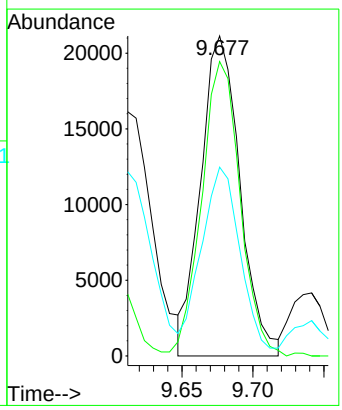


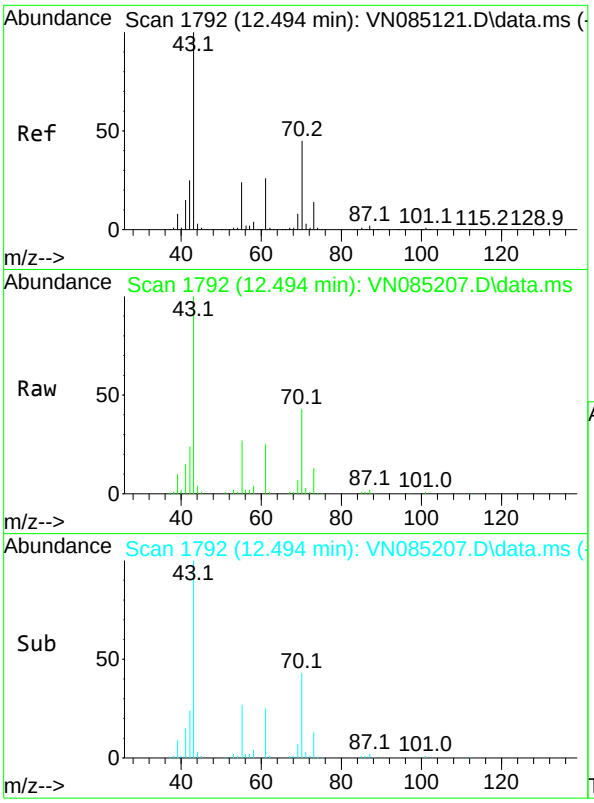


#46
Methyl methacrylate
Concen: 18.632 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 41 Resp: 40601

Ion	Ratio	Lower	Upper
41	100		
69	95.2	46.7	140.0
39	59.6	28.5	85.5



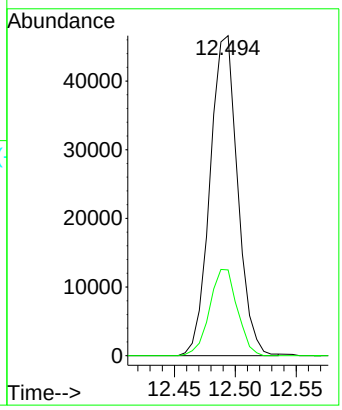


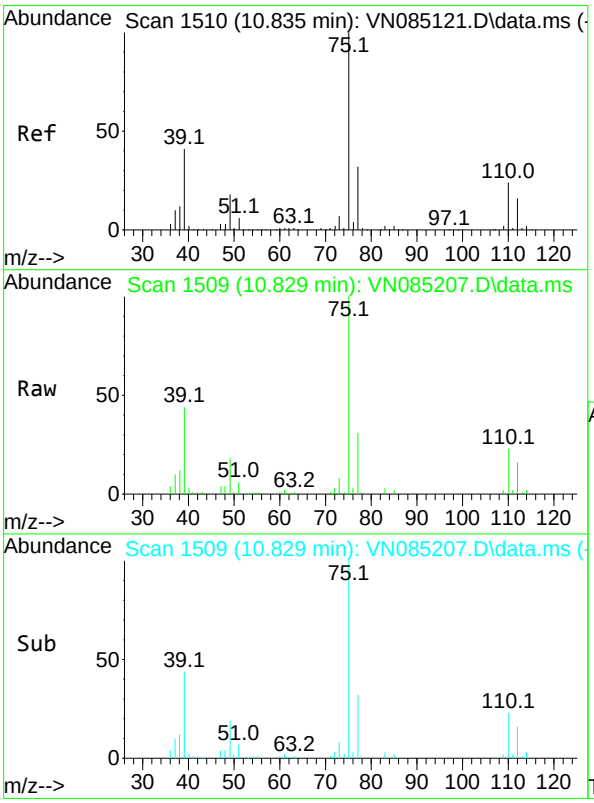
#47
n-amyl Acetate
Concen: 18.361 ug/l
RT: 12.494 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 43 Resp: 73556

Ion	Ratio	Lower	Upper
43	100		
55	27.0	23.3	34.9

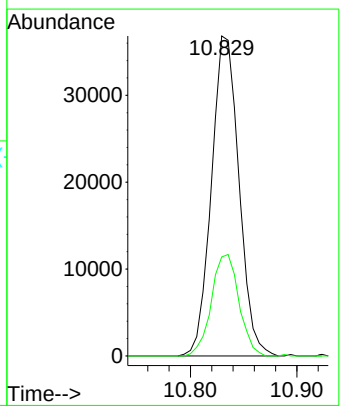


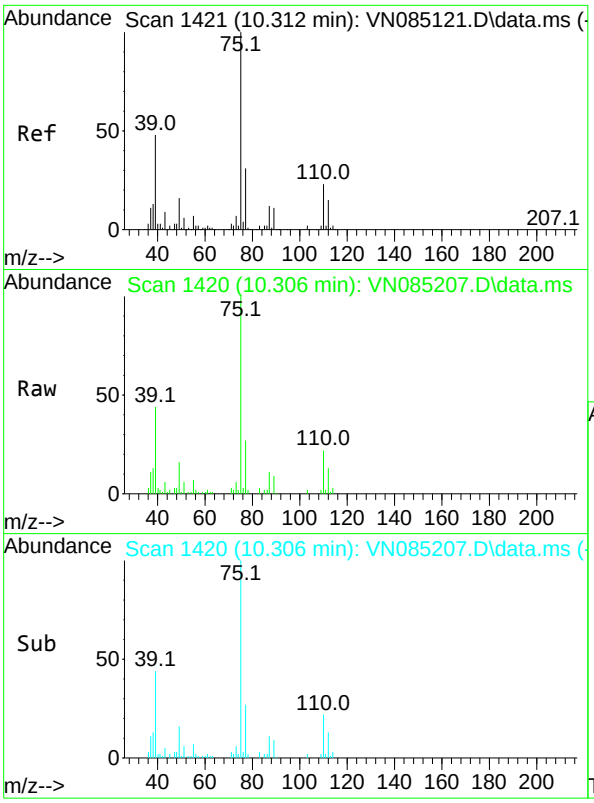


#48
t-1,3-Dichloropropene
Concen: 19.202 ug/l
RT: 10.829 min Scan# 1509
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 75 Resp: 65995

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.5	38.3



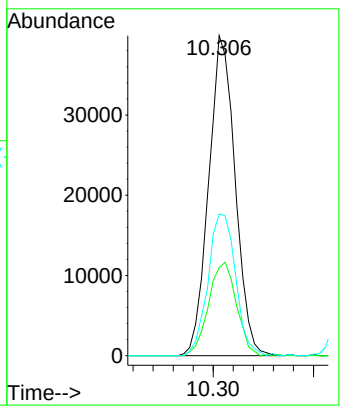


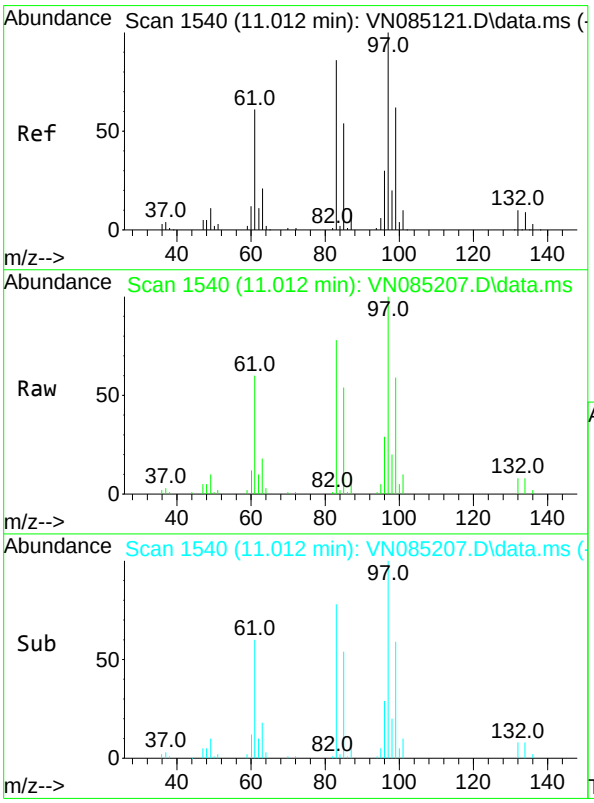
#49
cis-1,3-Dichloropropene
Concen: 19.544 ug/l
RT: 10.306 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 75 Resp: 73124

Ion	Ratio	Lower	Upper
75	100		
77	27.5	23.8	35.6
39	44.3	37.3	55.9

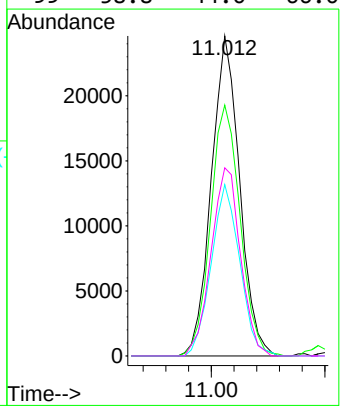


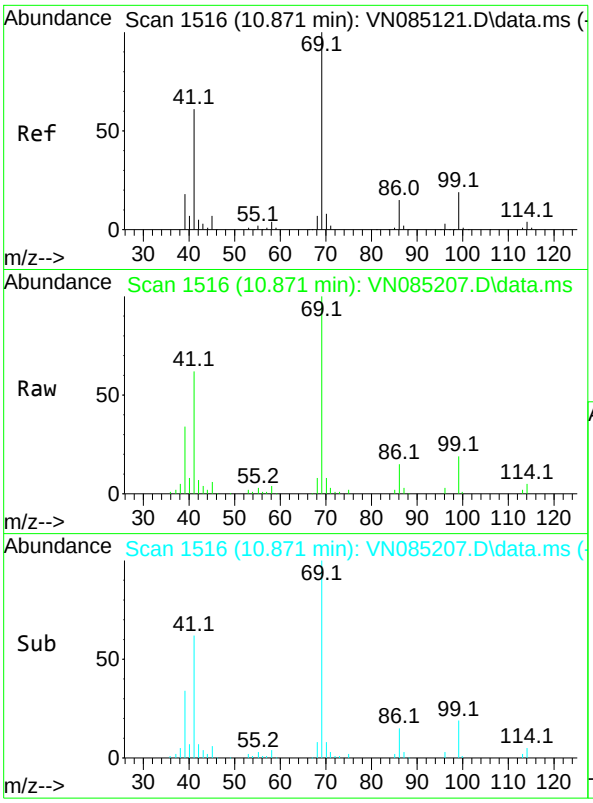


#50
1,1,2-Trichloroethane
Concen: 19.311 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 97 Resp: 42618

Ion	Ratio	Lower	Upper
97	100		
83	78.4	65.8	98.8
85	53.5	40.8	61.2
99	58.8	44.0	66.0



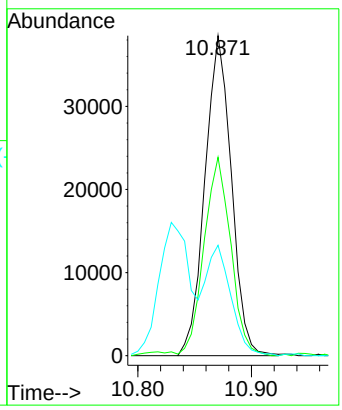


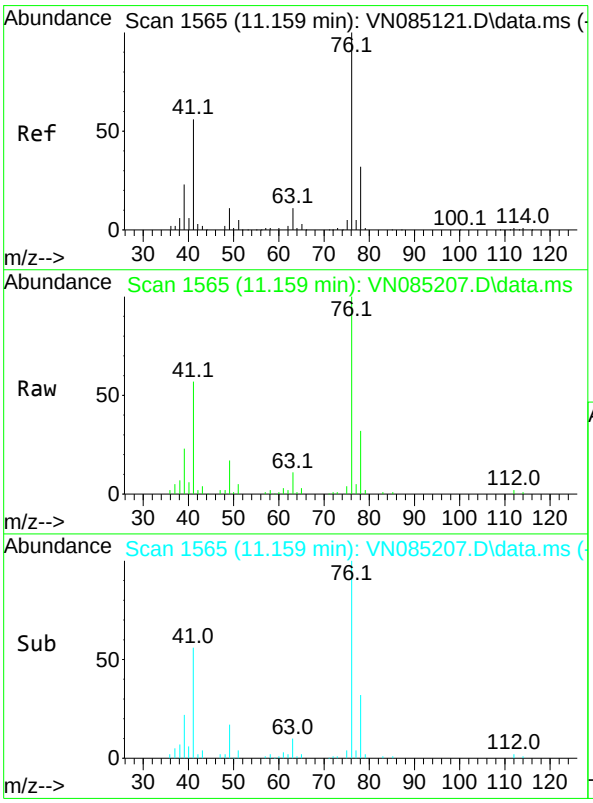
#51
Ethyl methacrylate
Concen: 18.569 ug/l
RT: 10.871 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 69 Resp: 62332

Ion	Ratio	Lower	Upper
69	100		
41	62.0	32.1	96.3
39	34.5	18.8	56.4

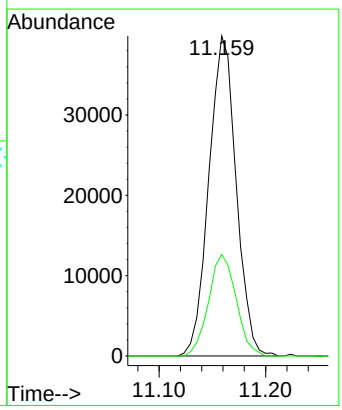


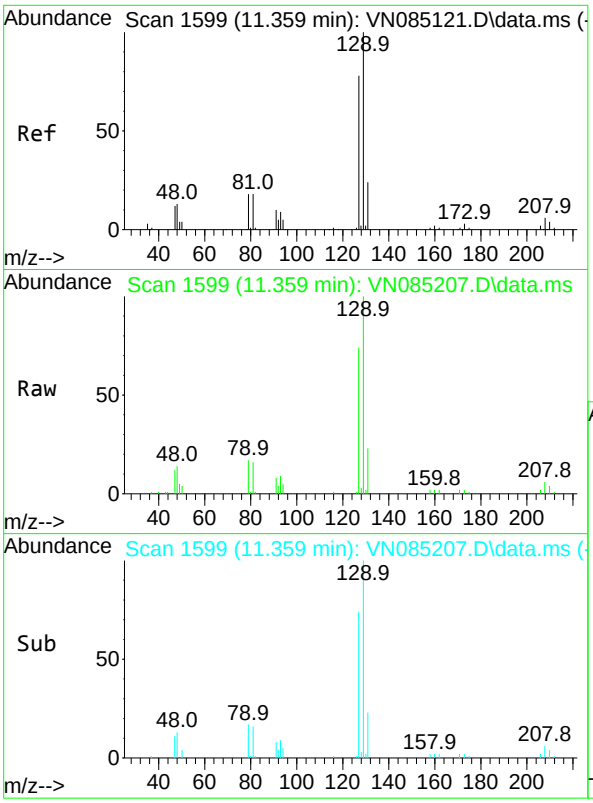


#52
1,3-Dichloropropane
Concen: 19.192 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 76 Resp: 70887

Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	65.6



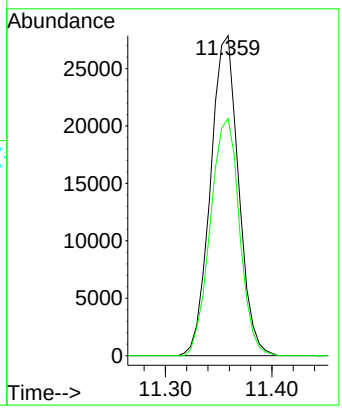


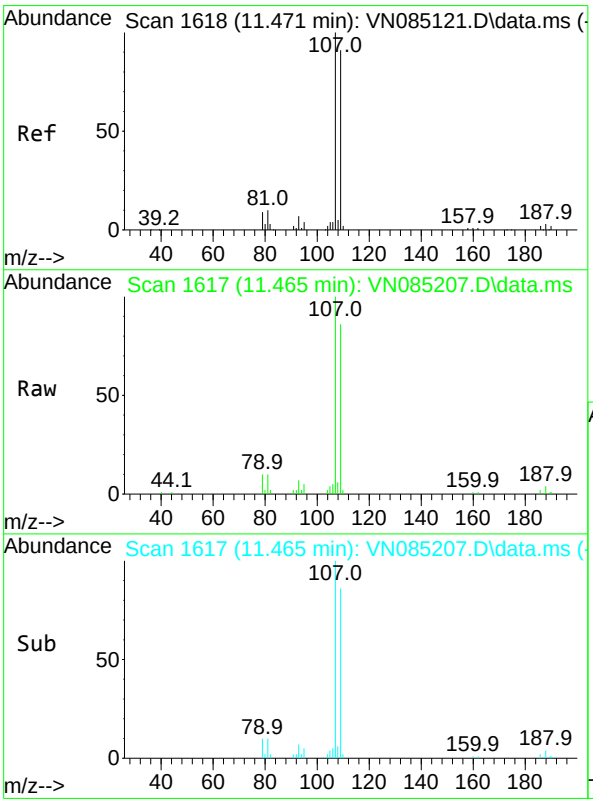
#53
Dibromochloromethane
Concen: 18.970 ug/l
RT: 11.359 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:129 Resp: 51019

Ion	Ratio	Lower	Upper
129	100		
127	76.8	37.3	111.9

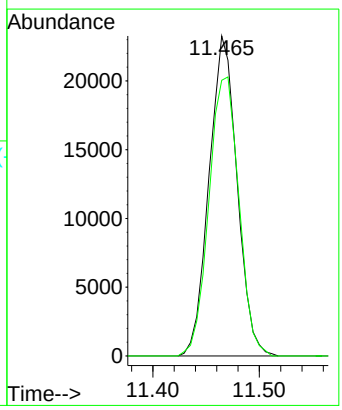


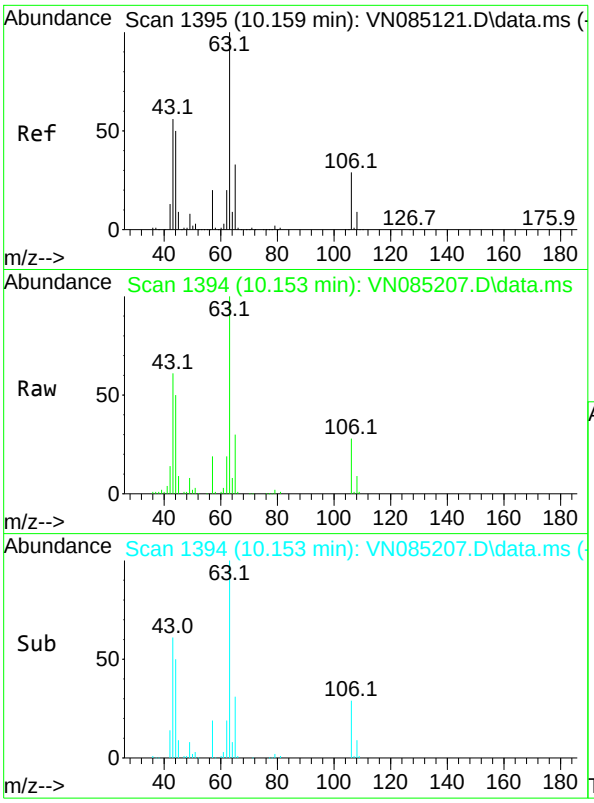


#54
1,2-Dibromoethane
Concen: 19.116 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:107 Resp: 42506

Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.2	112.8



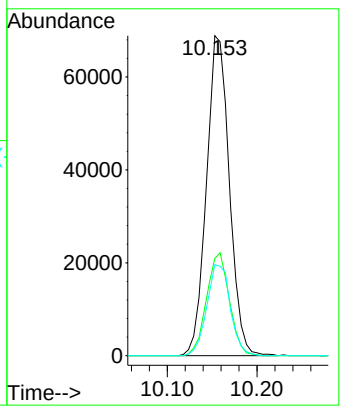


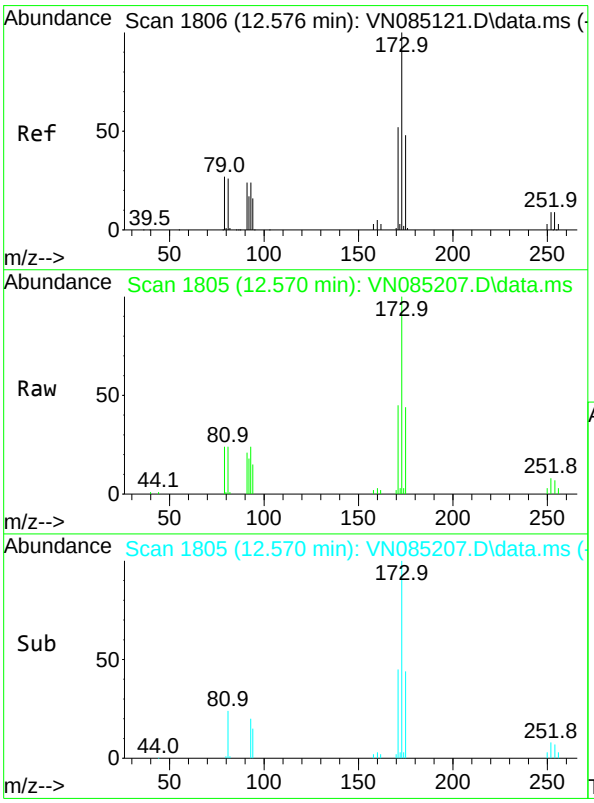
#55
2-Chloroethyl vinyl ether
Concen: 78.348 ug/l
RT: 10.153 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 122170

Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.9	38.9
106	29.2	23.5	35.3

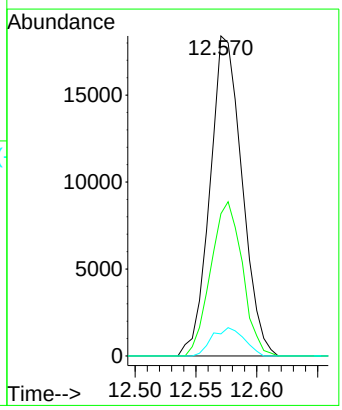


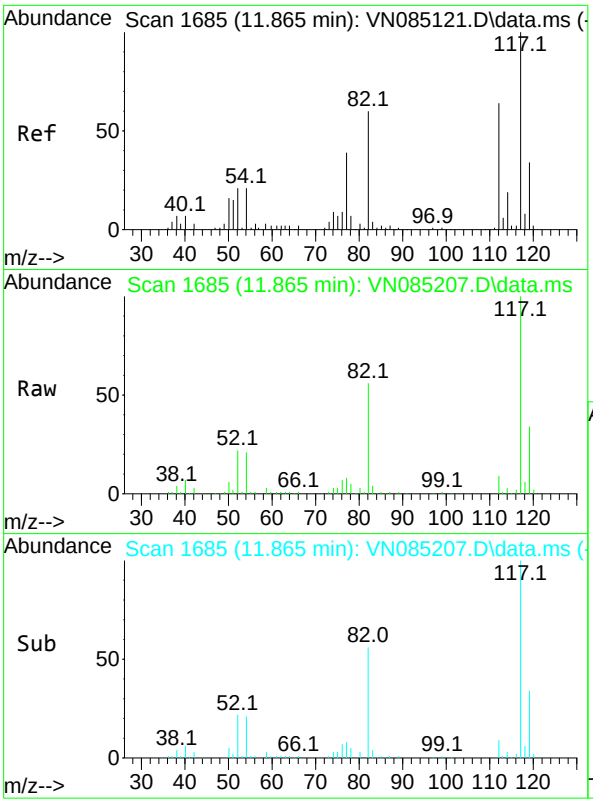


#56
Bromoform
Concen: 18.650 ug/l
RT: 12.570 min Scan# 1805
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:173 Resp: 33630

Ion	Ratio	Lower	Upper
173	100		
175	47.7	40.2	60.2
254	8.9	6.2	9.4



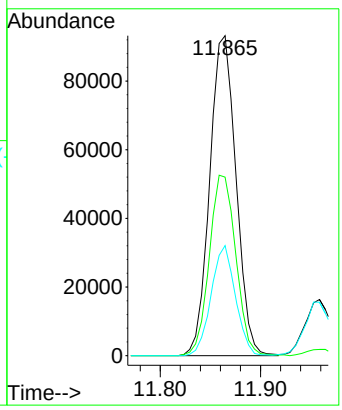


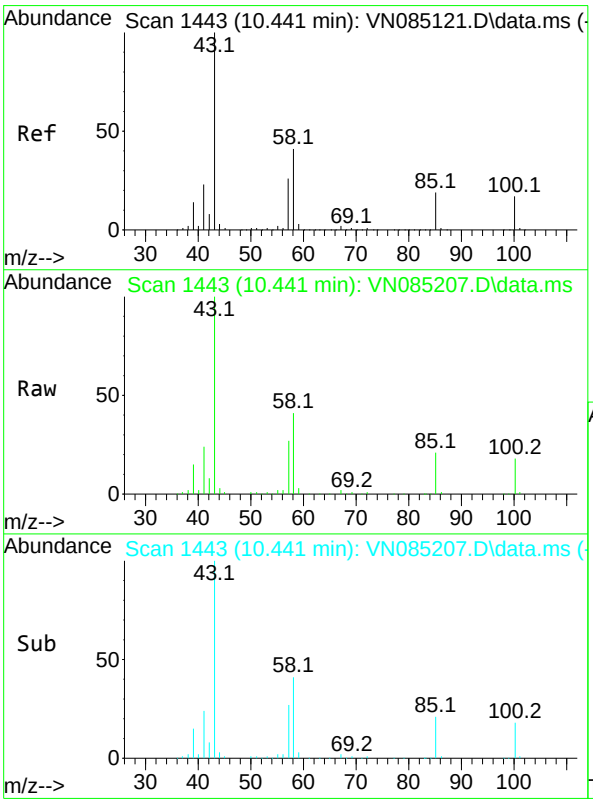
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:117 Resp: 170233

Ion	Ratio	Lower	Upper
117	100		
82	56.8	44.2	66.4
119	31.8	25.4	38.2

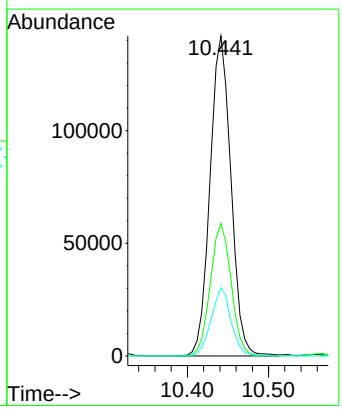


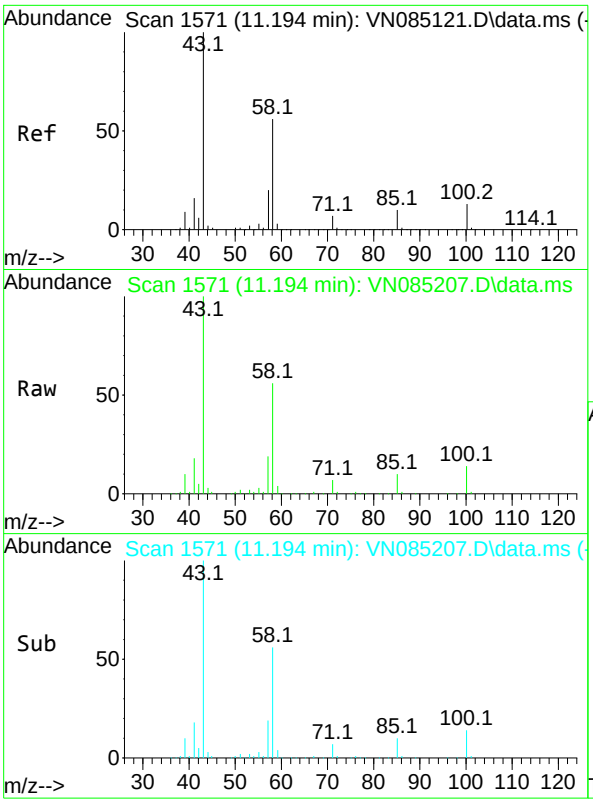


#58
4-Methyl-2-Pentanone
Concen: 91.560 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 43 Resp: 254378

Ion	Ratio	Lower	Upper
43	100		
58	41.1	31.6	47.4
85	20.2	15.0	22.6



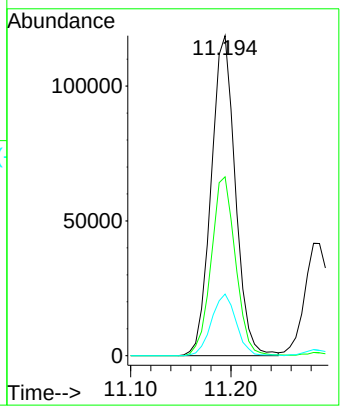


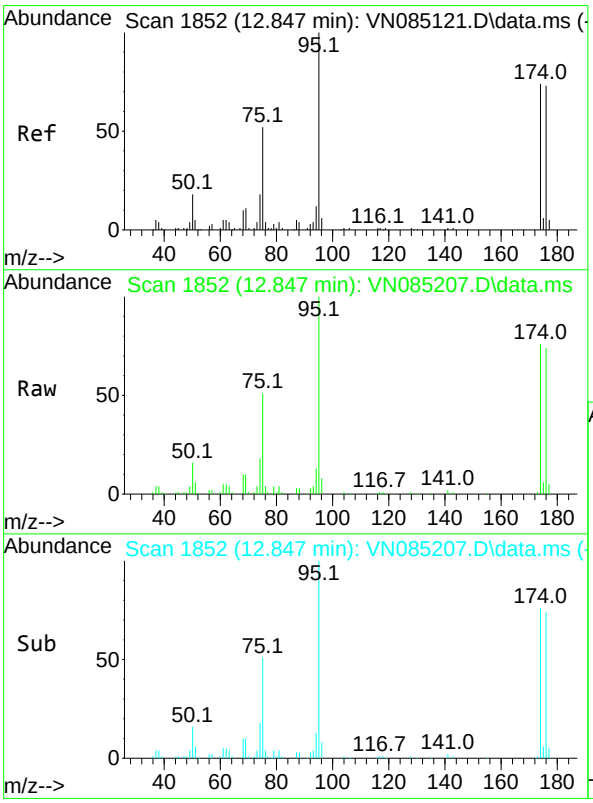
#59
2-Hexanone
Concen: 94.267 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 43 Resp: 198443

Ion	Ratio	Lower	Upper
43	100		
58	56.2	43.6	65.4
57	19.6	15.4	23.0

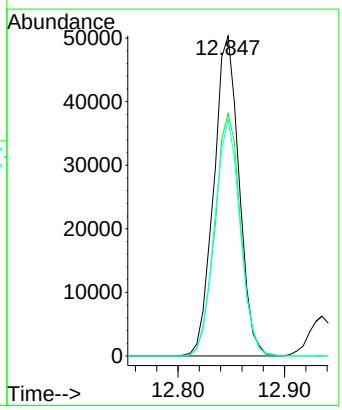


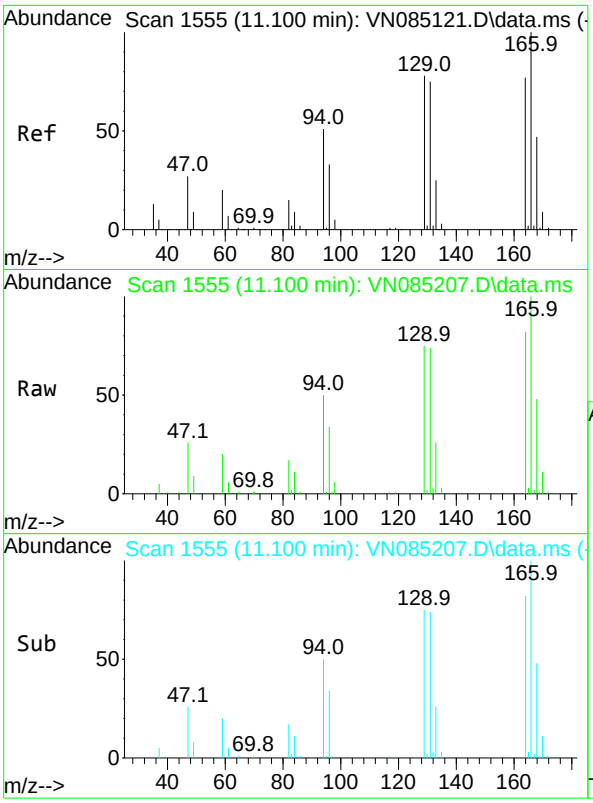


#60
4-Bromofluorobenzene
Concen: 29.423 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 95 Resp: 82875

Ion	Ratio	Lower	Upper
95	100		
174	76.4	60.3	90.5
176	74.9	57.4	86.0



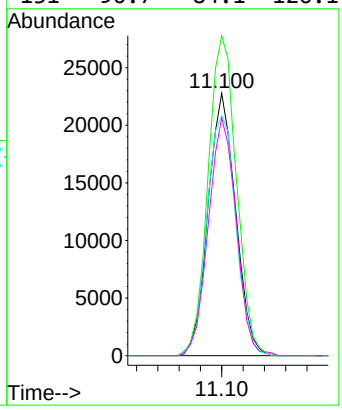


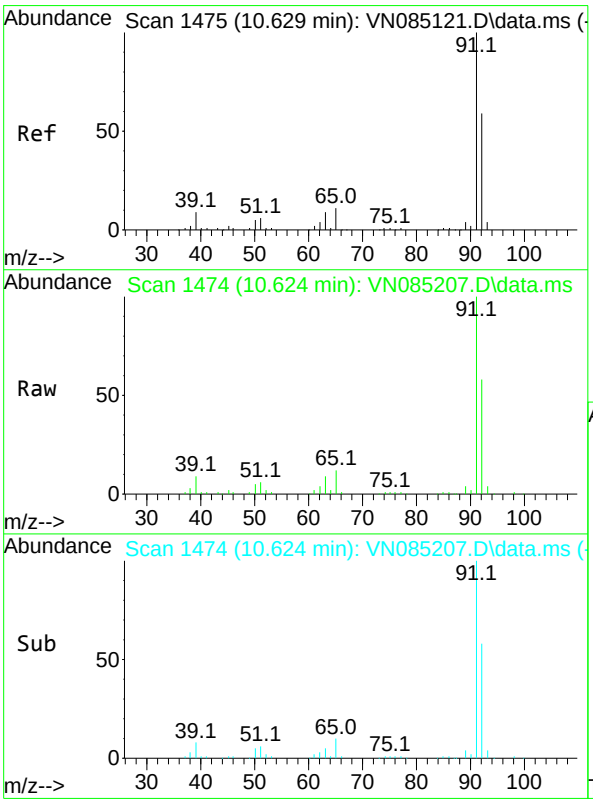
#61
Tetrachloroethene
Concen: 19.885 ug/l
RT: 11.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:164 Resp: 40993

Ion	Ratio	Lower	Upper
164	100		
166	122.0	103.8	155.8
129	91.5	84.2	126.4
131	90.7	84.1	126.1

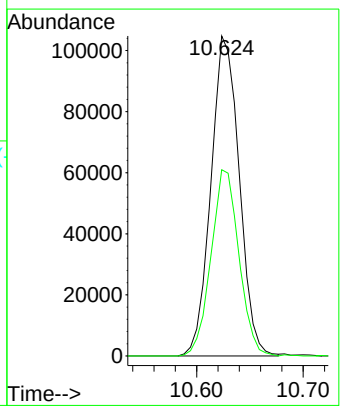


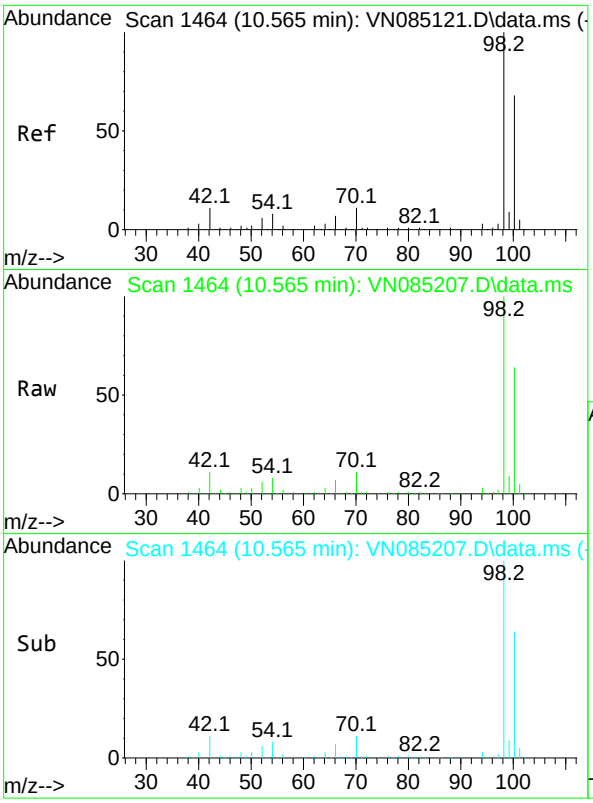


#62
Toluene
Concen: 19.467 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 91 Resp: 193265

Ion	Ratio	Lower	Upper
91	100		
92	57.4	46.5	69.7



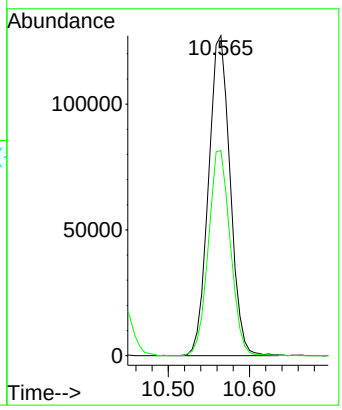


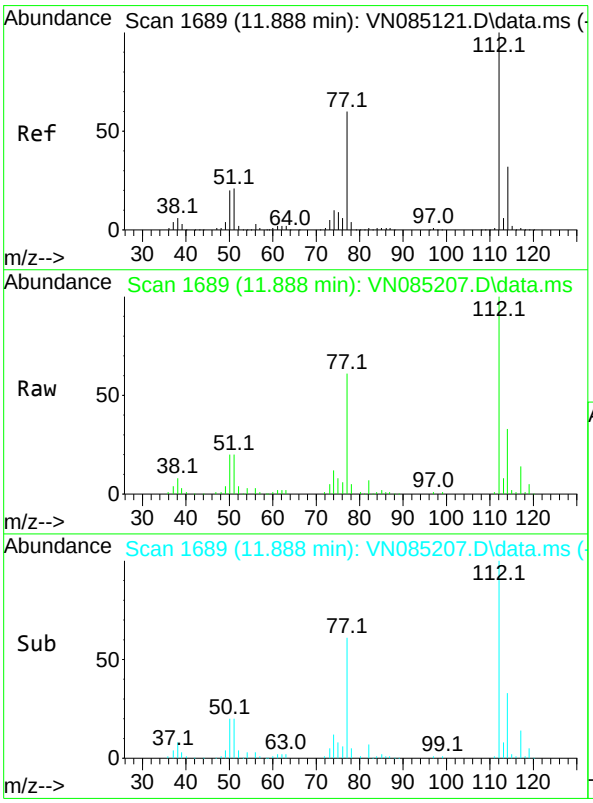
#63
Toluene-d8
Concen: 29.497 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 98 Resp: 235545

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0

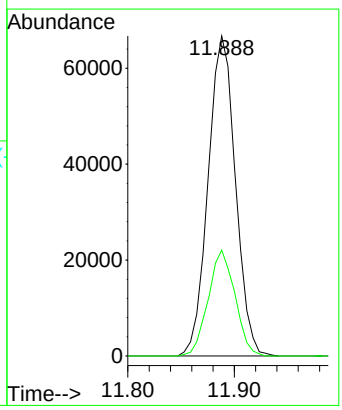


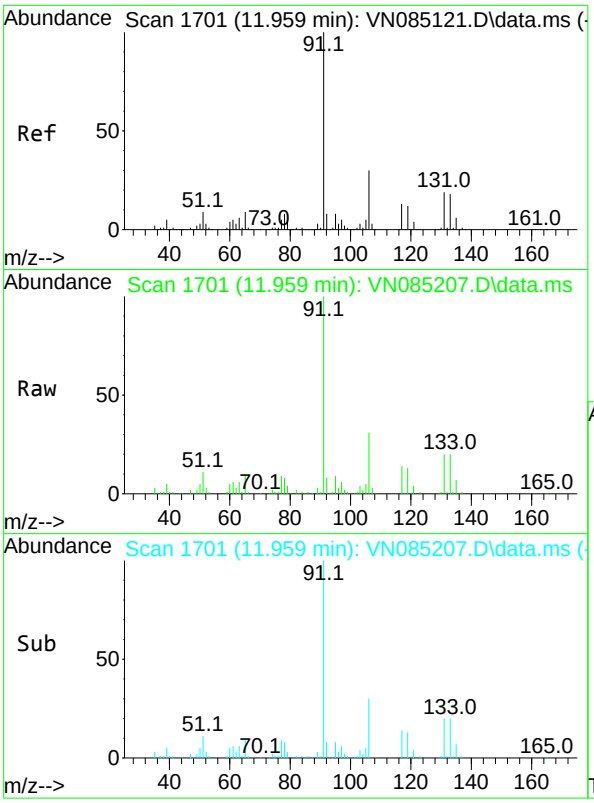


#64
Chlorobenzene
Concen: 19.419 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:112 Resp: 119028

Ion	Ratio	Lower	Upper
112	100		
114	33.1	26.0	39.0



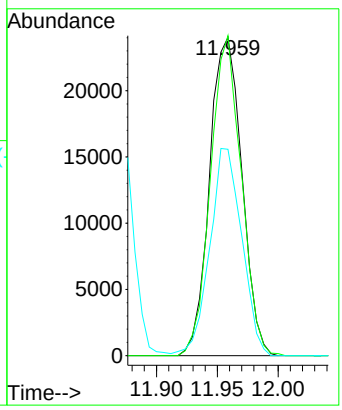


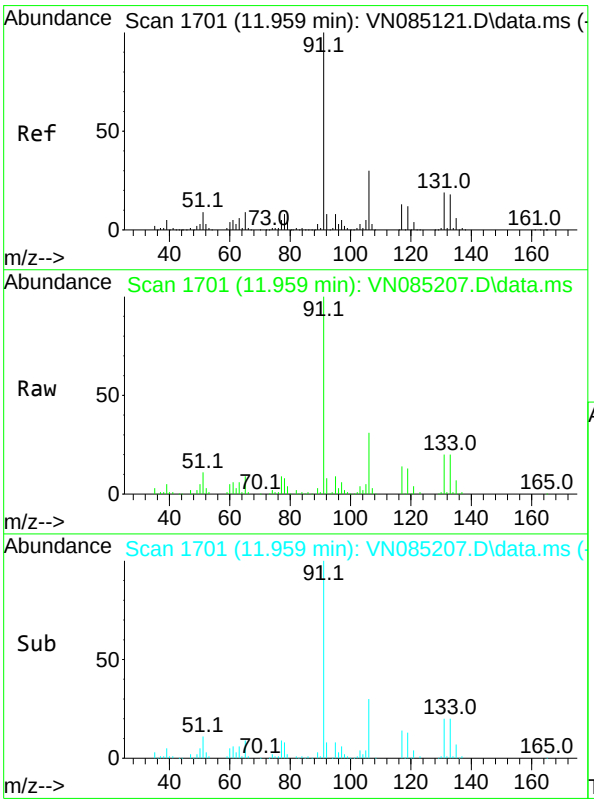
#65
1,1,1,2-Tetrachloroethane
Concen: 19.379 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:131 Resp: 44343

Ion	Ratio	Lower	Upper
131	100		
133	95.8	0.0	194.0
119	64.6	0.0	131.8

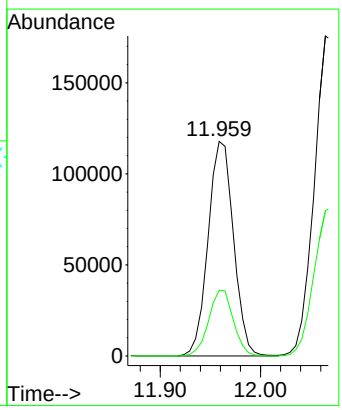


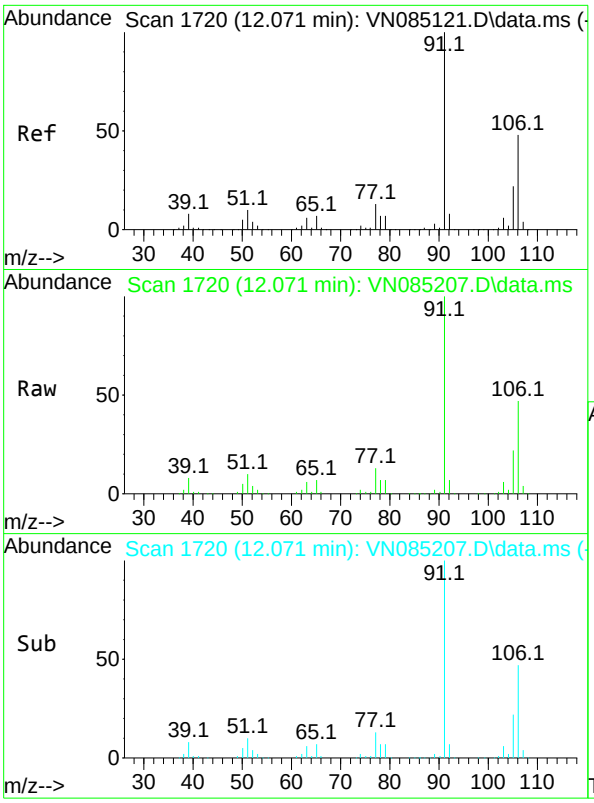


#66
Ethyl Benzene
Concen: 19.728 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 91 Resp: 207827

Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.1	34.7



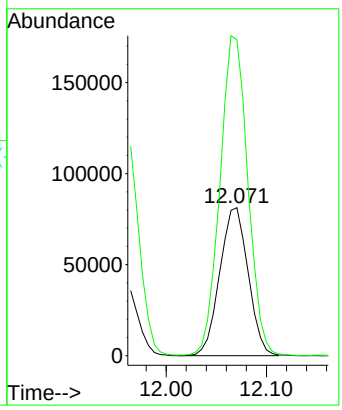


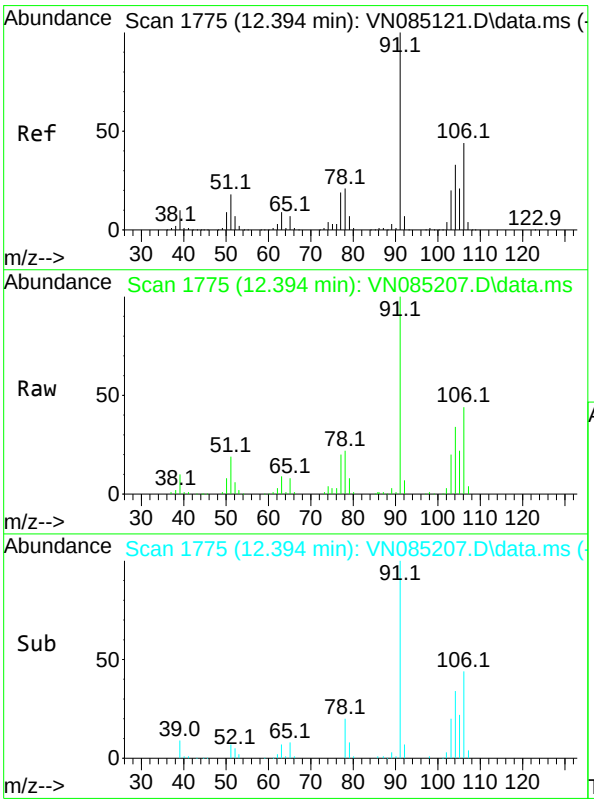
#67
m/p-Xylenes
Concen: 39.379 ug/l
RT: 12.071 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 159560

Ion	Ratio	Lower	Upper
106	100		
91	212.7	165.0	247.4

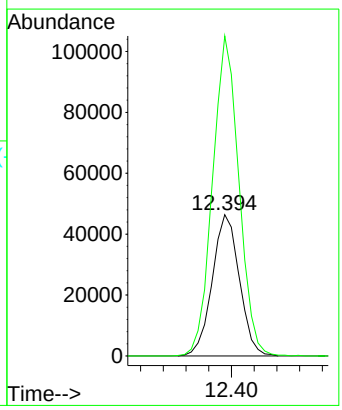


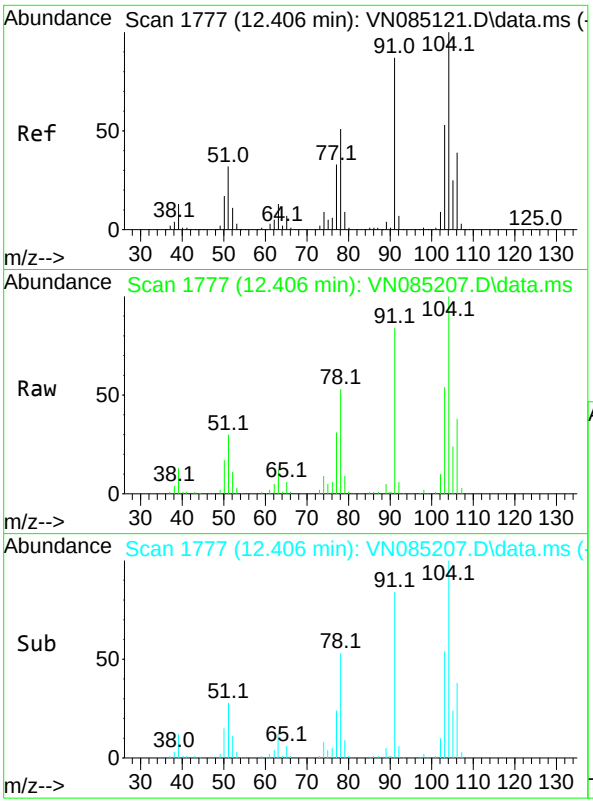


#68
o-Xylene
Concen: 20.208 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:106 Resp: 76900

Ion	Ratio	Lower	Upper
106	100		
91	220.1	112.1	336.4



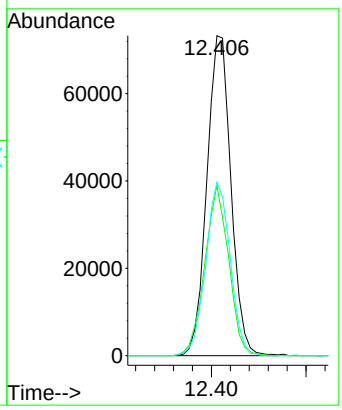


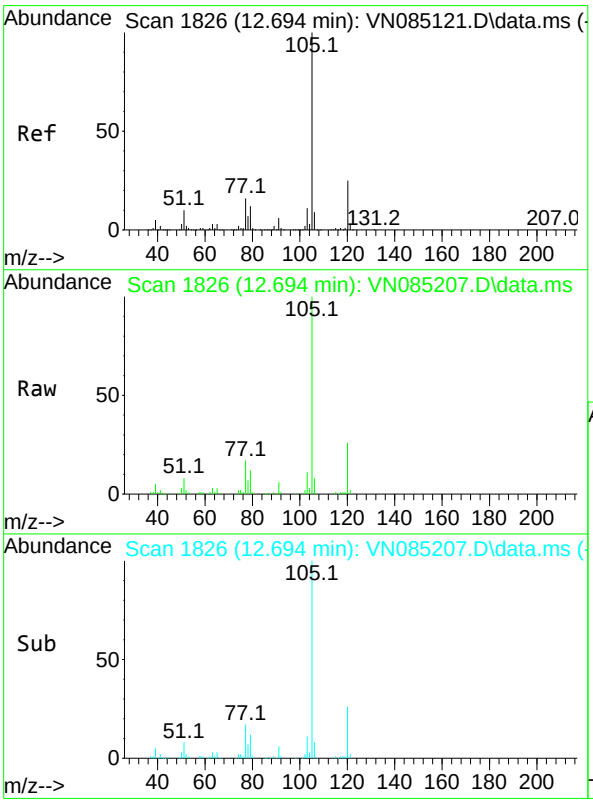
#69
Styrene
Concen: 19.998 ug/l
RT: 12.406 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:104 Resp: 129131

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.3	63.5
103	55.1	44.4	66.6

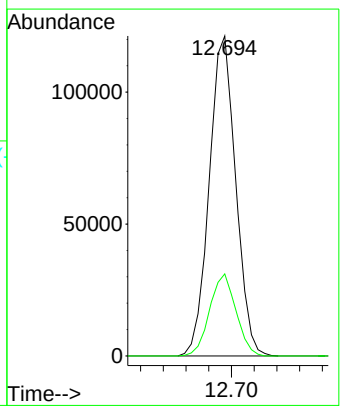


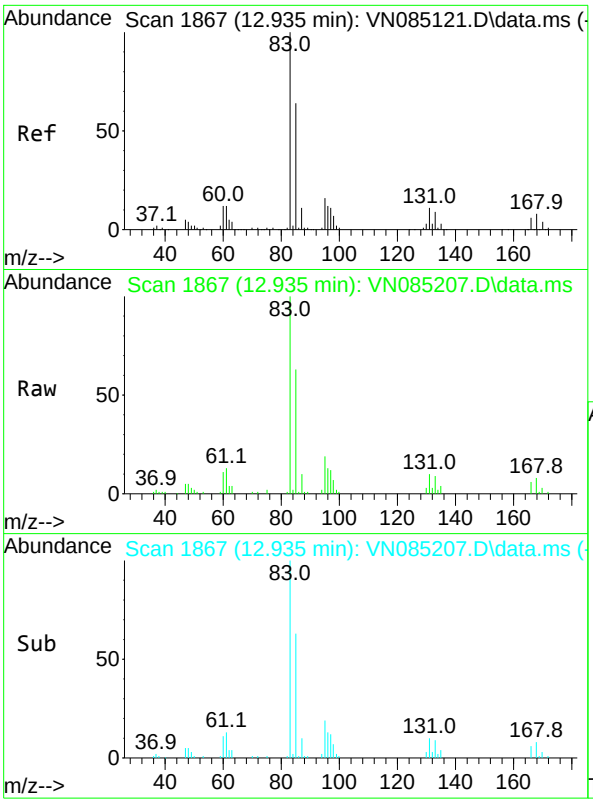


#70
Isopropylbenzene
Concen: 20.013 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:105 Resp: 196429

Ion	Ratio	Lower	Upper
105	100		
120	25.5	18.3	33.9



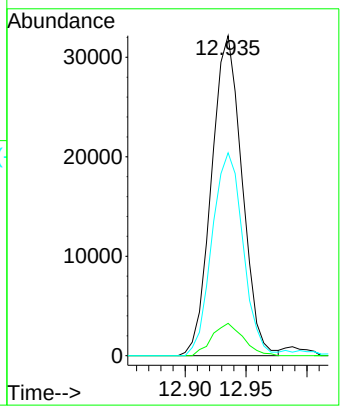


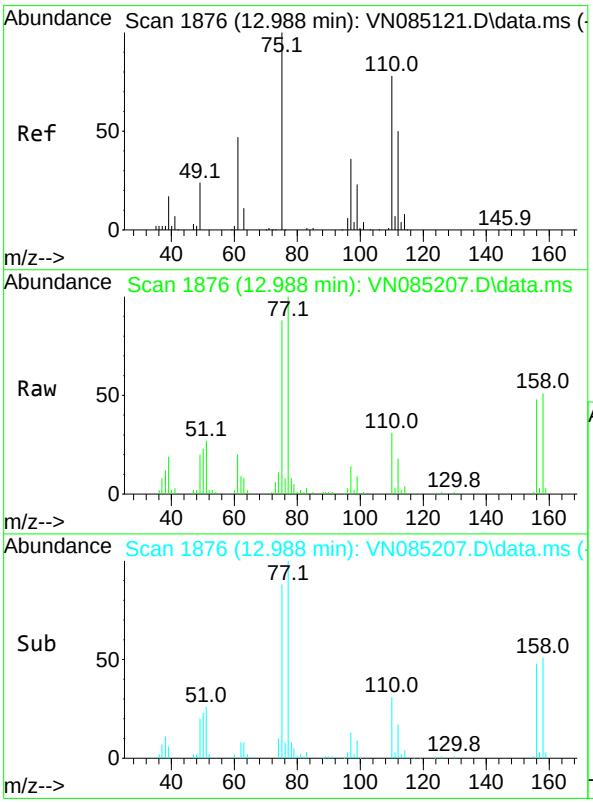
#71
1,1,2,2-Tetrachloroethane
Concen: 18.796 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 56150

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.3
85	64.2	31.1	93.5

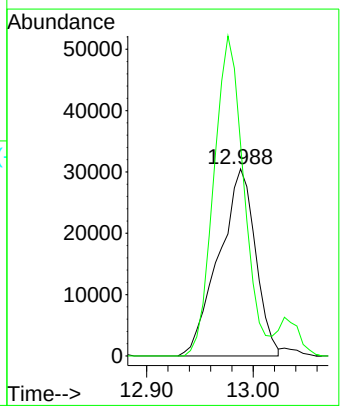


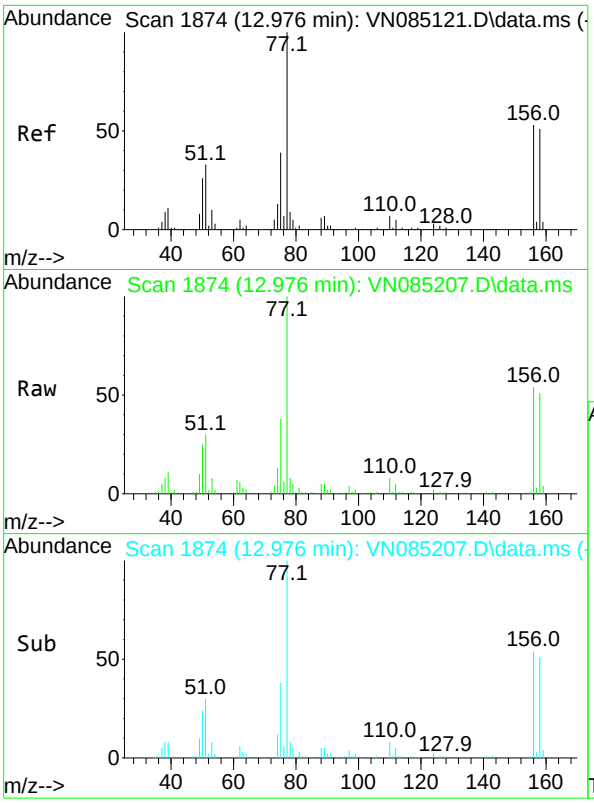


#72
1,2,3-Trichloropropane
Concen: 24.658 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 75 Resp: 72767

Ion	Ratio	Lower	Upper
75	100		
77	140.4	0.0	339.0



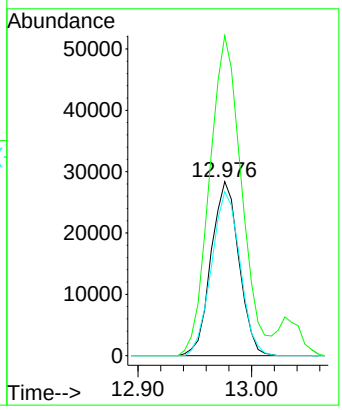


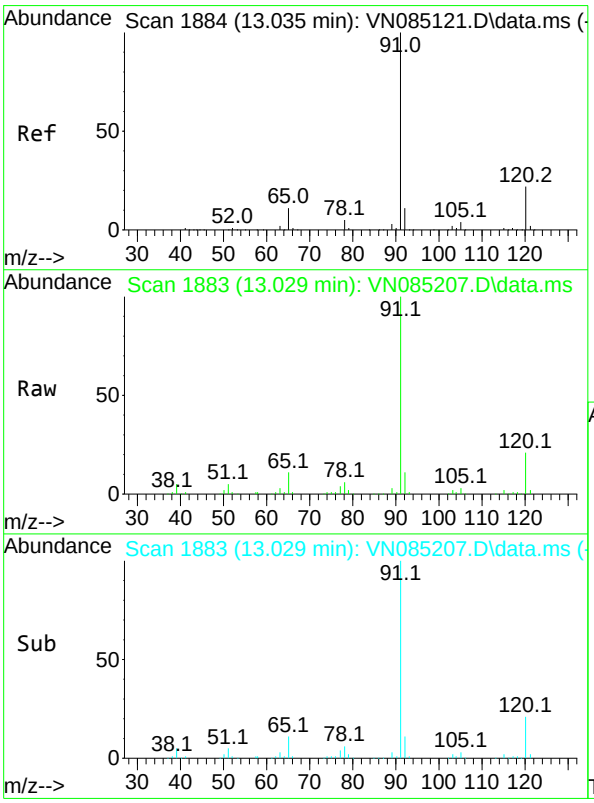
#73
Bromobenzene
Concen: 19.638 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:156 Resp: 48280

Ion	Ratio	Lower	Upper
156	100		
77	211.6	0.0	430.4
158	97.0	0.0	195.2

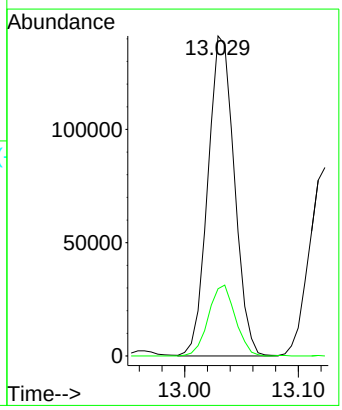


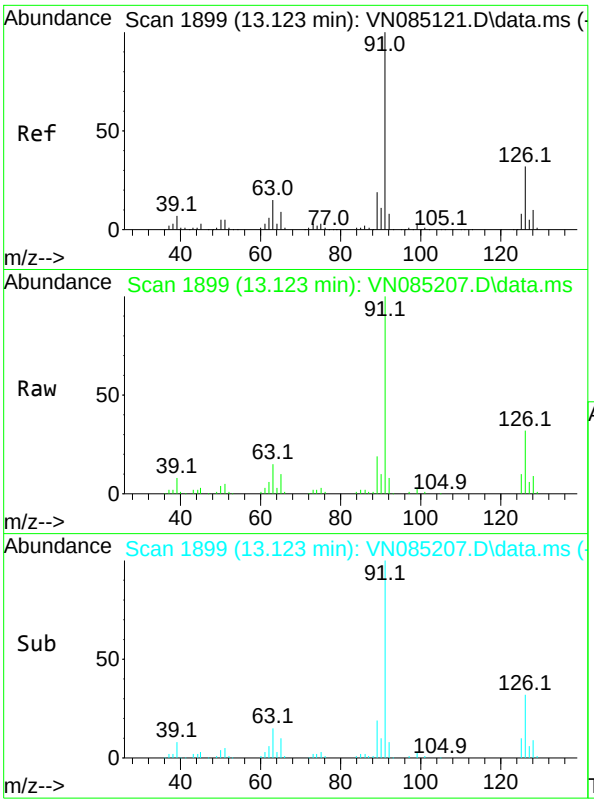


#74
n-propylbenzene
Concen: 19.456 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 91 Resp: 229571

Ion	Ratio	Lower	Upper
91	100		
120	22.3	0.0	44.0



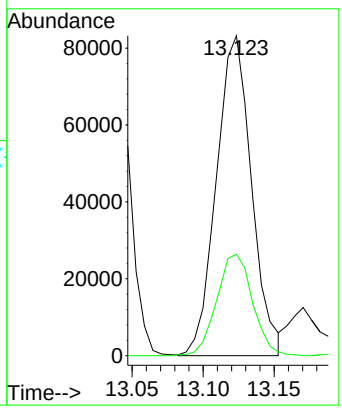


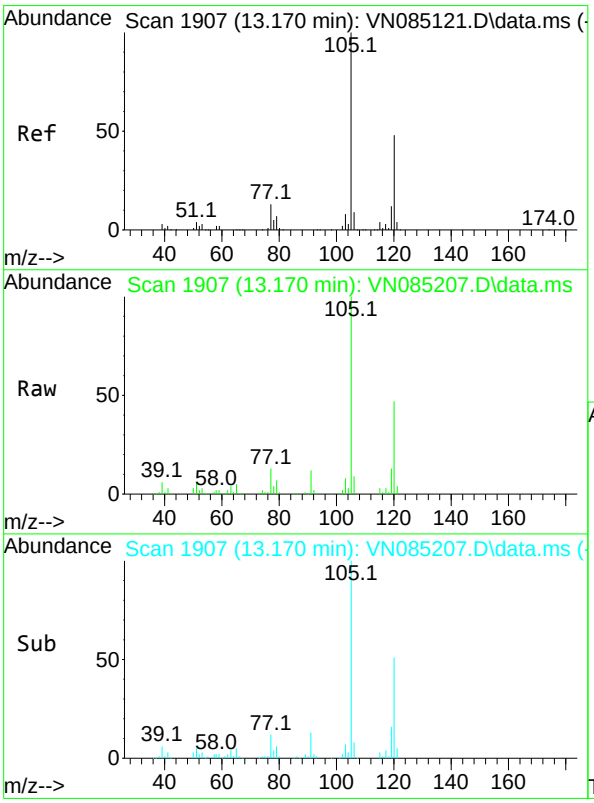
#75
2-Chlorotoluene
Concen: 19.627 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 143192

Ion	Ratio	Lower	Upper
91	100		
126	32.3	0.0	64.2

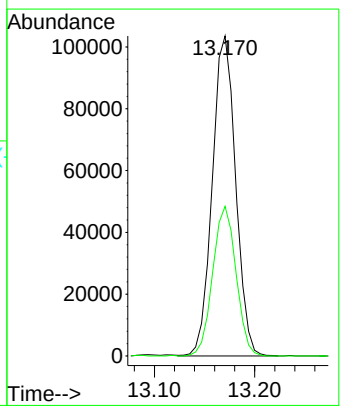


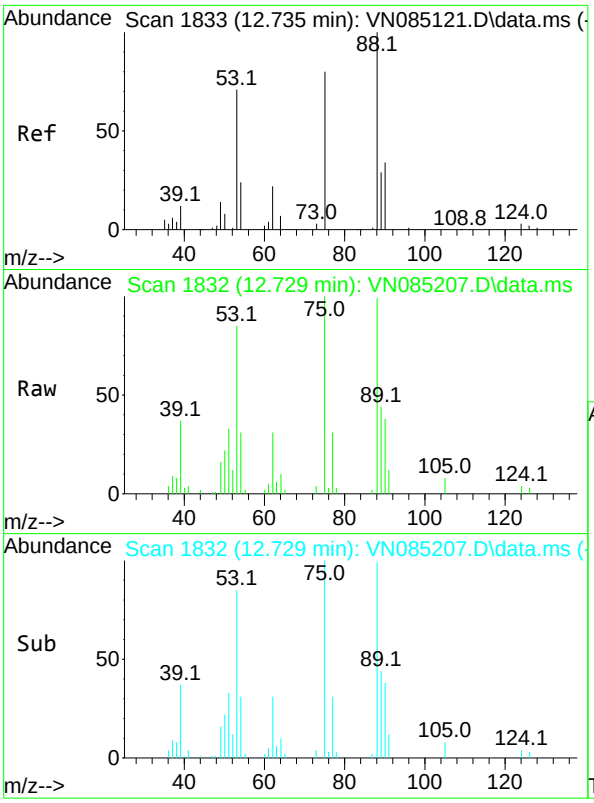


#76
1,3,5-Trimethylbenzene
Concen: 19.931 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:105 Resp: 167597

Ion	Ratio	Lower	Upper
105	100		
120	46.5	0.0	94.4



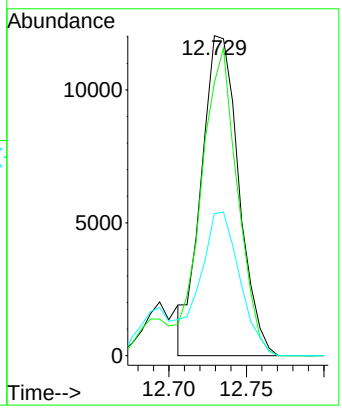


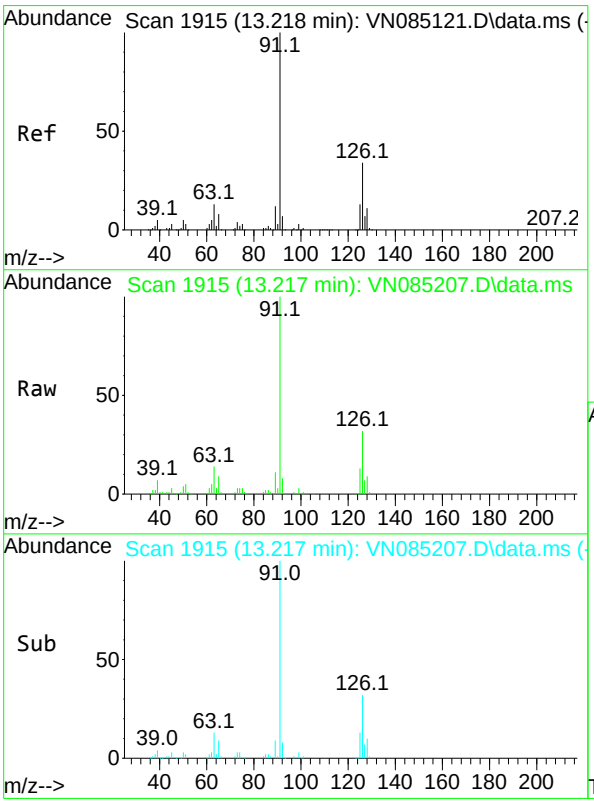
#77
t-1,4-Dichloro-2-butene
Concen: 18.888 ug/l
RT: 12.729 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 75 Resp: 20254

Ion	Ratio	Lower	Upper
75	100		
53	85.3	49.1	147.3
89	44.4	22.9	68.5

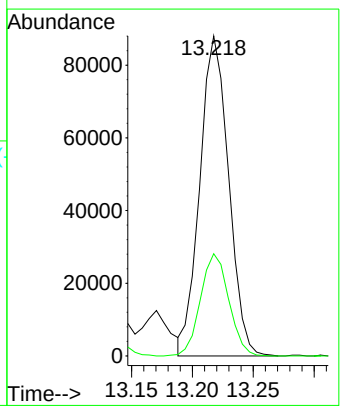


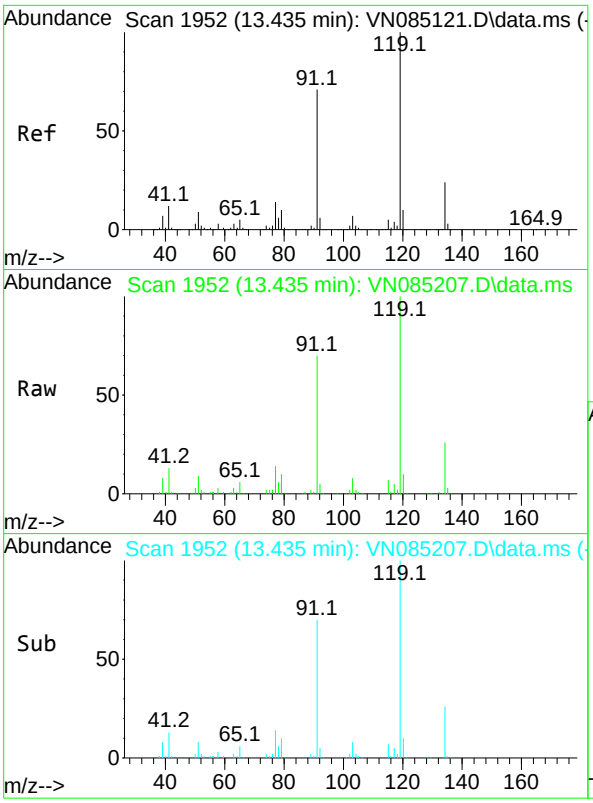


#78
4-Chlorotoluene
Concen: 19.557 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 91 Resp: 144822

Ion	Ratio	Lower	Upper
91	100		
126	31.4	0.0	64.4



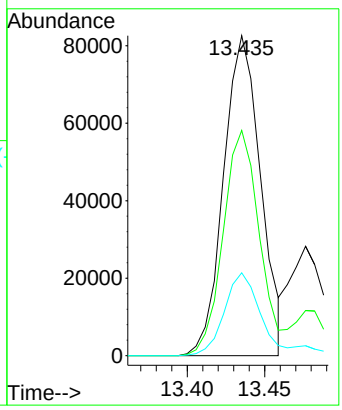


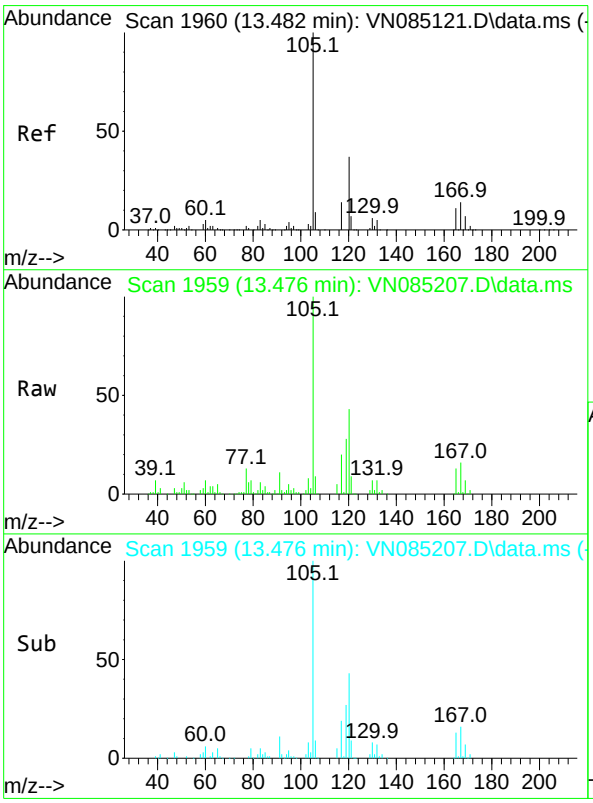
#79
tert-butylbenzene
Concen: 19.890 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:119 Resp: 137376

Ion	Ratio	Lower	Upper
119	100		
91	68.0	0.0	139.2
134	24.8	0.0	48.0

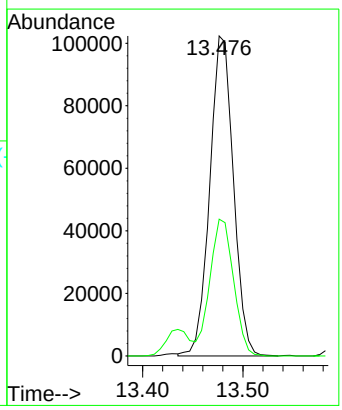


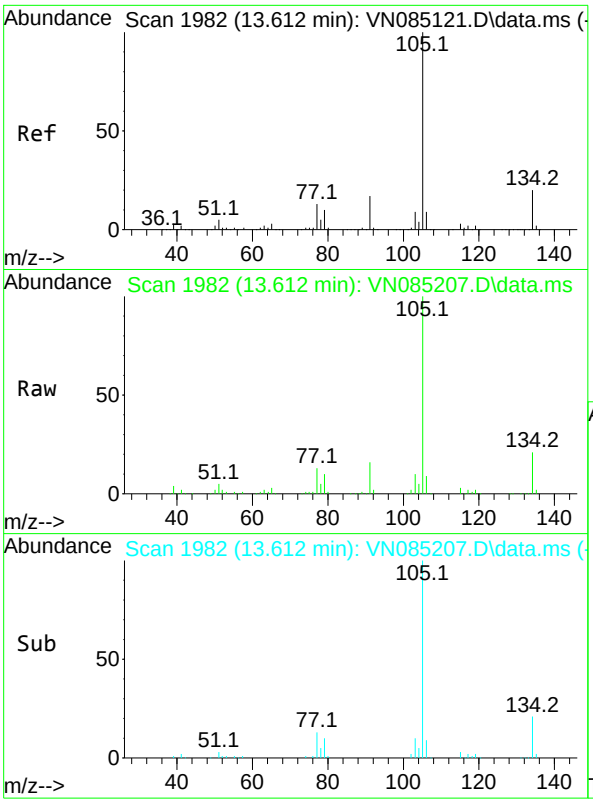


#80
1,2,4-Trimethylbenzene
Concen: 20.193 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:105 Resp: 167722

Ion	Ratio	Lower	Upper
105	100		
120	42.7	0.0	87.4



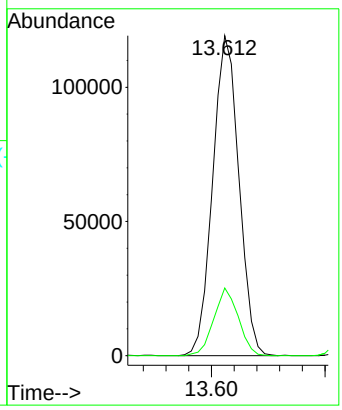


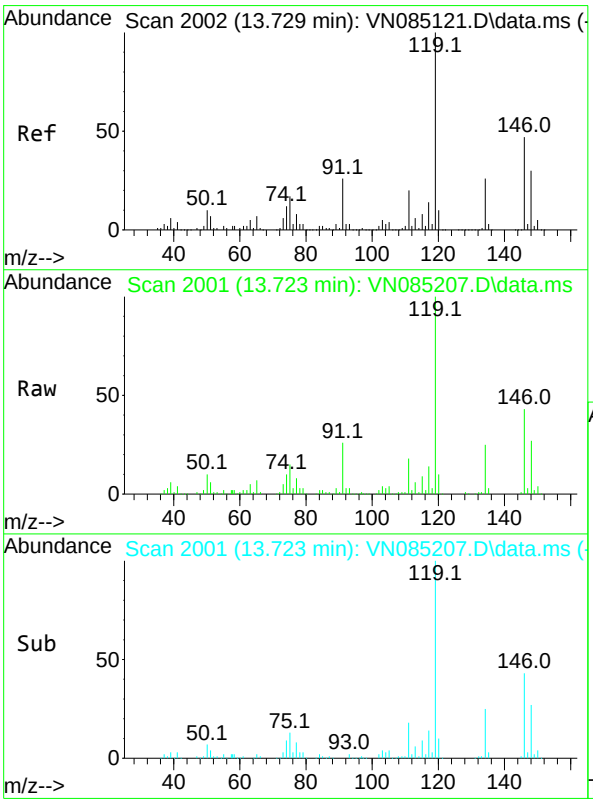
#81
sec-Butylbenzene
Concen: 19.466 ug/l
RT: 13.612 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:105 Resp: 191002

Ion	Ratio	Lower	Upper
105	100		
134	19.8	0.0	38.0

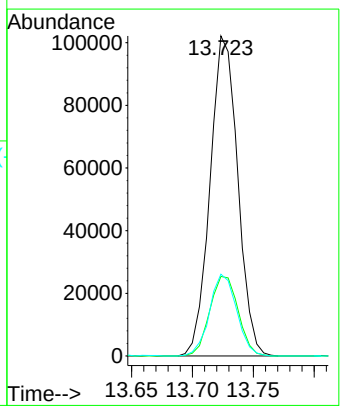


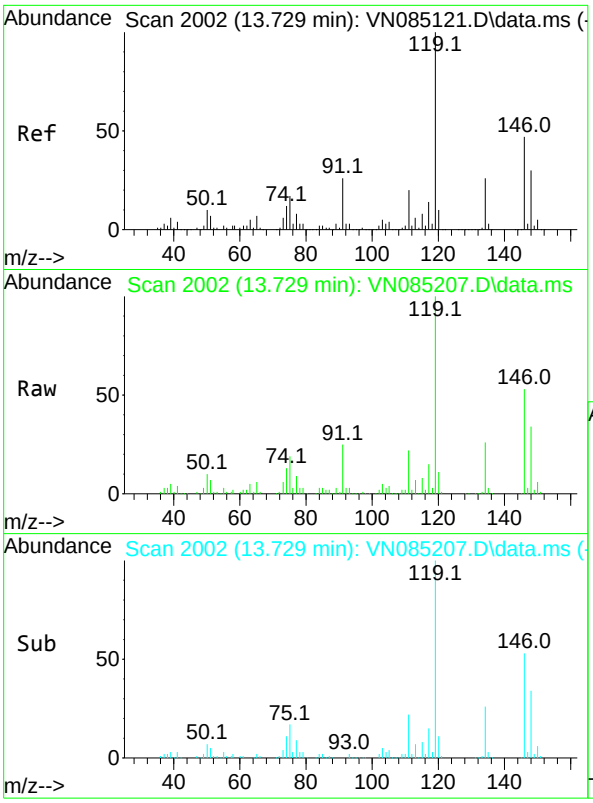


#82
p-Isopropyltoluene
Concen: 19.841 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:119 Resp: 161402

Ion	Ratio	Lower	Upper
119	100		
134	25.6	0.0	51.6
91	25.1	0.0	50.4



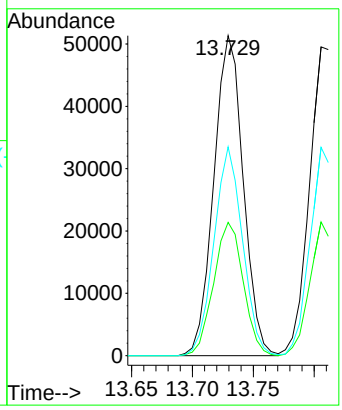


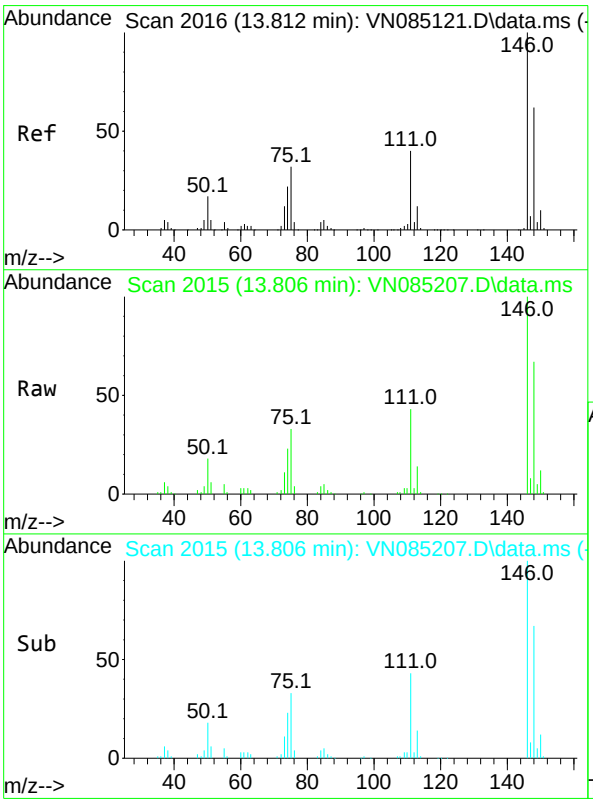
#83
1,3-Dichlorobenzene
Concen: 19.150 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:146 Resp: 86373

Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.1	63.3
148	63.3	31.8	95.3

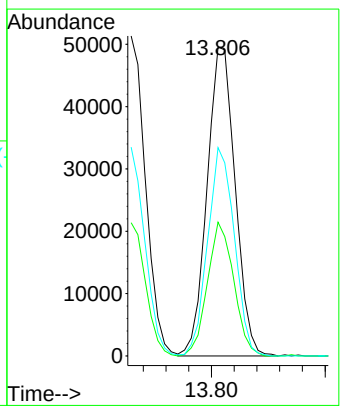


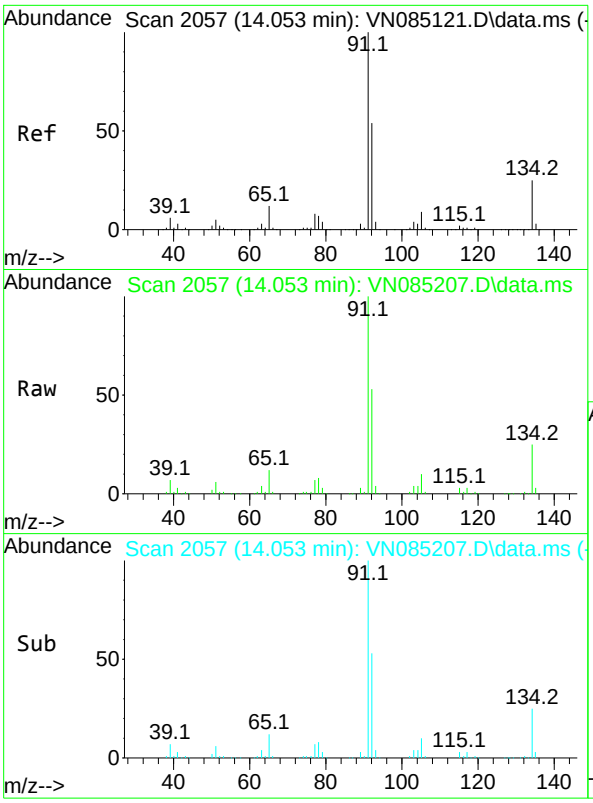


#84
1,4-Dichlorobenzene
Concen: 19.386 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:146 Resp: 85216

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.1	60.3
148	64.3	31.6	94.7



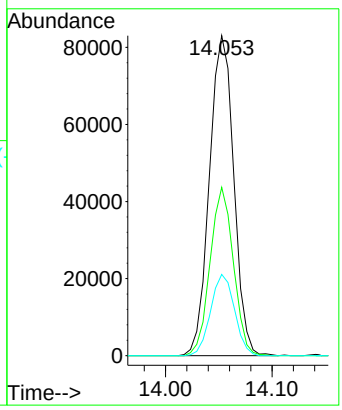


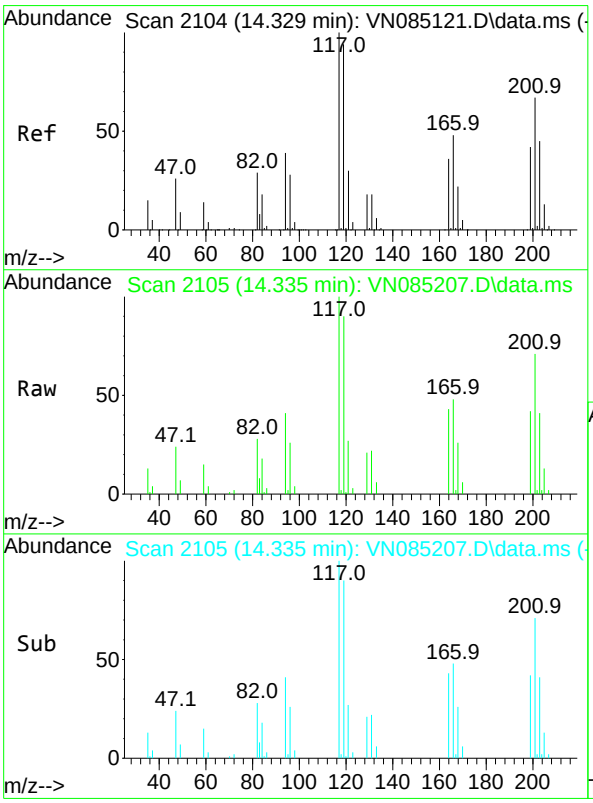
#85
n-Butylbenzene
Concen: 19.359 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 132097

Ion	Ratio	Lower	Upper
91	100		
92	50.3	0.0	104.0
134	24.9	0.0	49.2

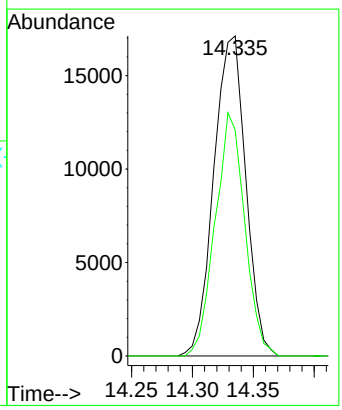


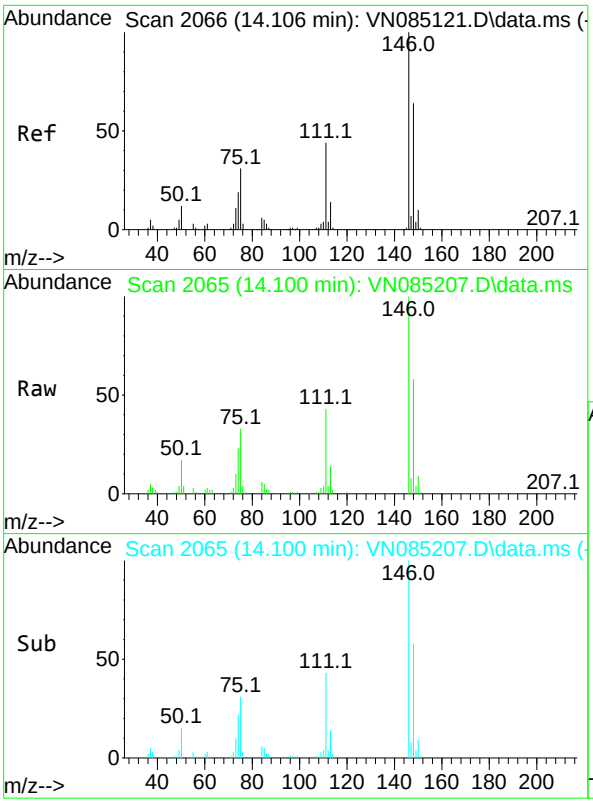


#86
Hexachloroethane
Concen: 19.297 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:117 Resp: 31250

Ion	Ratio	Lower	Upper
117	100		
201	70.2	34.1	102.3



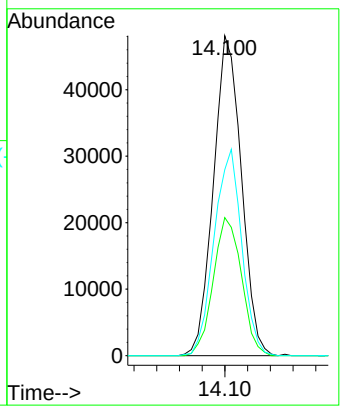


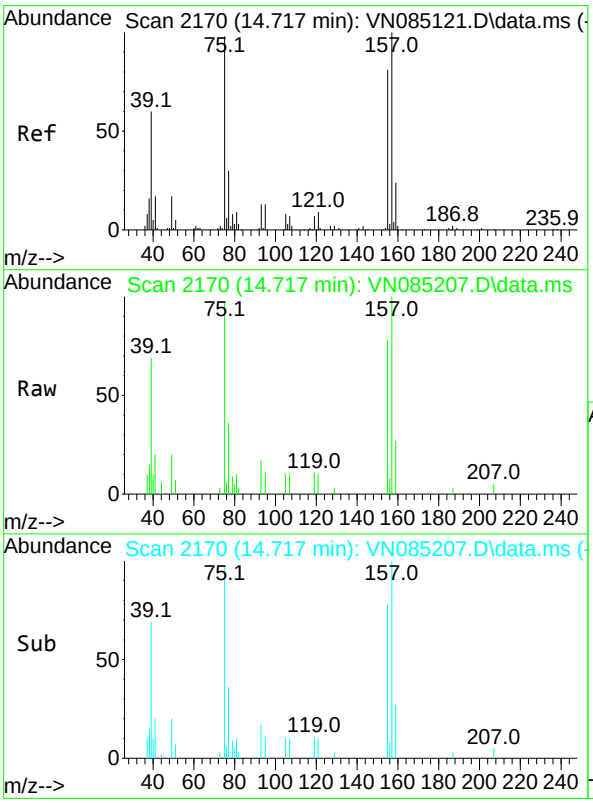
#87
1,2-Dichlorobenzene
Concen: 19.338 ug/l
RT: 14.100 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:146 Resp: 82331

Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.9	65.7
148	63.8	32.4	97.0

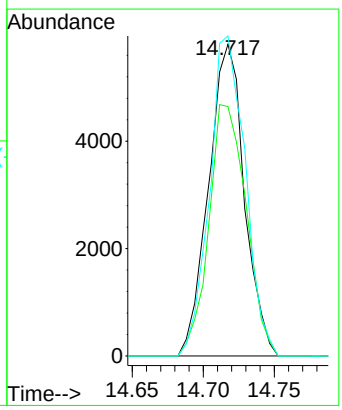


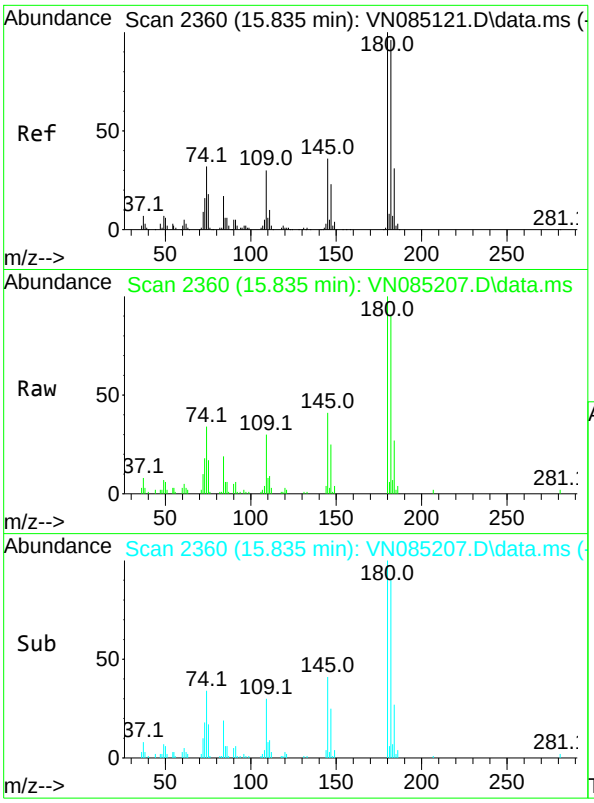


#88
1,2-Dibromo-3-Chloropropane
Concen: 17.026 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion: 75 Resp: 10161

Ion	Ratio	Lower	Upper
75	100		
155	84.2	62.1	93.1
157	102.2	79.3	118.9



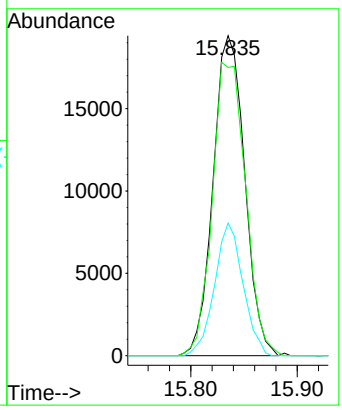


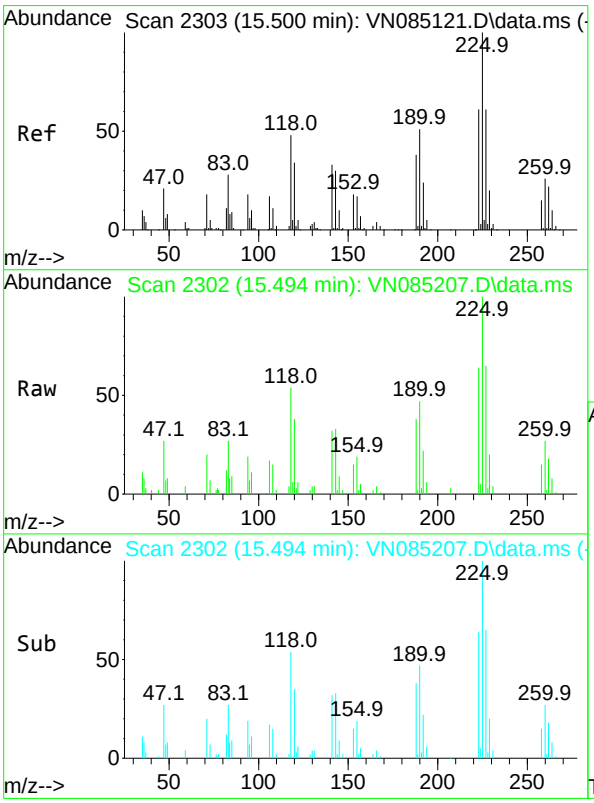
#89
1,2,4-Trichlorobenzene
Concen: 19.190 ug/l
RT: 15.835 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:180 Resp: 40011

Ion	Ratio	Lower	Upper
180	100		
182	96.5	74.0	111.0
145	37.4	28.6	43.0

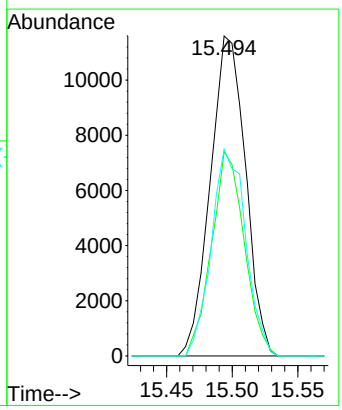


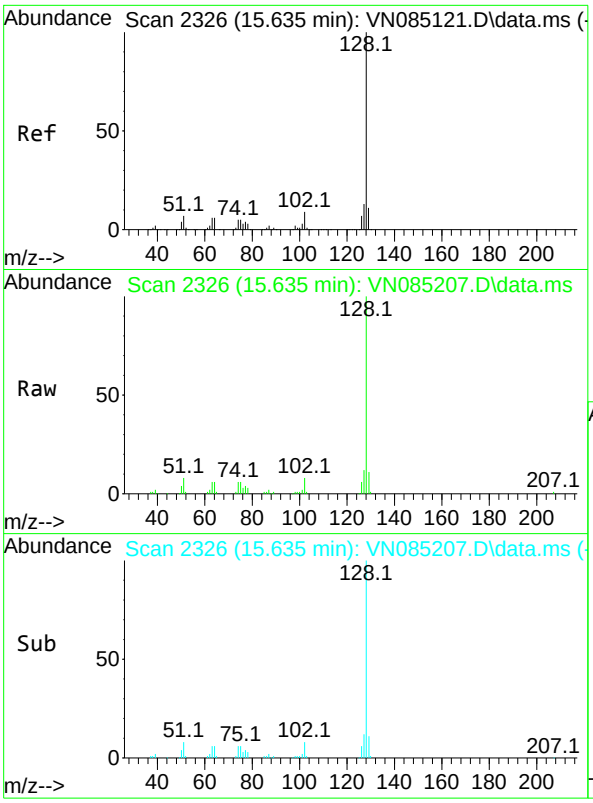


#90
Hexachlorobutadiene
Concen: 19.995 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:225 Resp: 21664

Ion	Ratio	Lower	Upper
225	100		
223	59.5	0.0	121.8
227	63.0	0.0	126.8



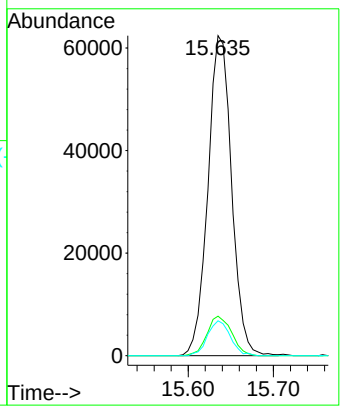


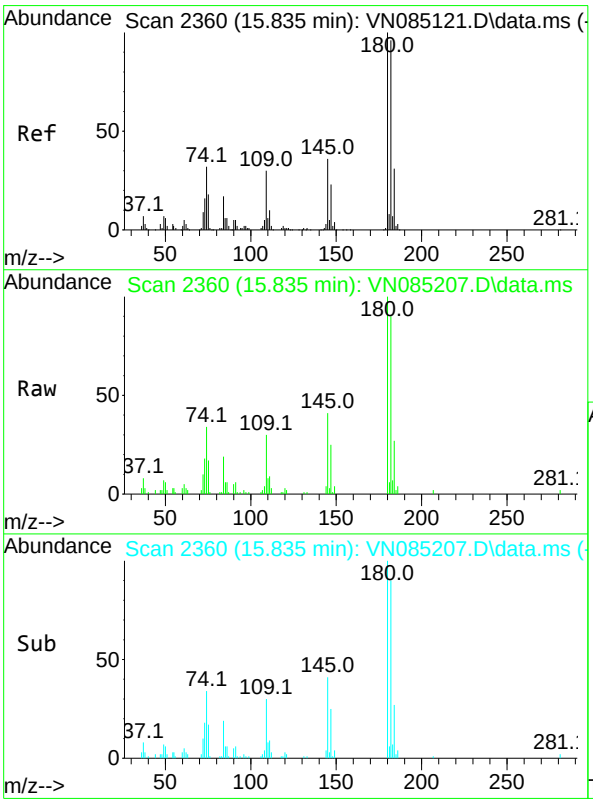
#91
Naphthalene
Concen: 18.602 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:128 Resp: 120498

Ion	Ratio	Lower	Upper
128	100		
127	12.9	11.0	16.4
129	10.5	8.7	13.1

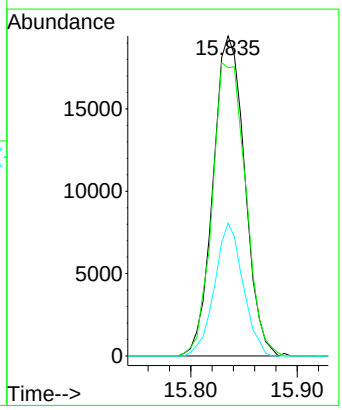




#92
1,2,3-Trichlorobenzene
Concen: 19.190 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085207.D
Acq: 16 Dec 2024 09:42

Tgt Ion:180 Resp: 40011

Ion	Ratio	Lower	Upper
180	100		
182	96.5	0.0	185.0
145	37.4	0.0	71.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085208.D
Acq On : 16 Dec 2024 10:19
Operator : JC\MD
Sample : VN1216WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Quant Time: Dec 16 12:21:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.806	128	30825	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	169823	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	155663	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	73444	30.028	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.100%			
60) 4-Bromofluorobenzene	12.847	95	76379	29.655	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.833%			
63) Toluene-d8	10.565	98	216652	29.671	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	49525	20.082	ug/l	96
3) Chloromethane	2.359	50	42692	19.558	ug/l	97
4) Vinyl Chloride	2.518	62	42995	19.257	ug/l	97
5) Bromomethane	2.965	94	28290	19.958	ug/l	99
6) Chloroethane	3.124	64	27287	19.893	ug/l	96
7) Trichlorofluoromethane	3.500	101	72626	19.872	ug/l	94
8) Diethyl Ether	3.959	74	22934	19.812	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	38921	19.044	ug/l	92
10) 1,1-Dichloroethene	4.347	96	36972	19.695	ug/l	96
11) Methyl Iodide	4.589	142	45944	17.647	ug/l	98
12) Methyl Acetate	5.024	43	42168	19.041	ug/l	91
13) Acrolein	4.183	56	34873	108.358	ug/l	94
14) Acrylonitrile	5.718	53	85647	93.137	ug/l	97
15) Acetone	4.430	58	25905	103.954	ug/l	96
16) Carbon Disulfide	4.712	76	106931	19.057	ug/l	99
17) Allyl chloride	5.024	41	53377	19.871	ug/l	94
18) Methylene Chloride	5.277	84	39484	18.537	ug/l	93
19) trans-1,2-Dichloroethene	5.789	96	38087	19.519	ug/l	89
20) Diisopropyl ether	6.665	45	115380	19.573	ug/l	97
21) 1,1-Dichloroethane	6.559	63	71315	19.601	ug/l	98
22) cis-1,2-Dichloroethene	7.483	96	43904	19.576	ug/l	99
23) tert-Butyl Alcohol	5.506	59	31898	96.694	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	116497	19.863	ug/l #	76
25) Chloroform	7.965	83	75307	19.757	ug/l	94
26) Cyclohexane	8.253	56	57940	19.340	ug/l #	95
29) 1,1-Dichloropropene	8.365	75	50315	18.361	ug/l	99
30) 2-Butanone	7.483	43	116422	92.579	ug/l	99
31) 2,2-Dichloropropane	7.488	77	65751	18.711	ug/l #	100
32) 1,1,1-Trichloroethane	8.171	97	69008	18.605	ug/l	97
33) Carbon Tetrachloride	8.359	117	63544	18.985	ug/l	94
34) Benzene	8.606	78	158668	18.431	ug/l	99
35) Methacrylonitrile	7.777	41	26103	18.445	ug/l	87
36) 1,2-Dichloroethane	8.665	62	53550	18.273	ug/l	100
37) Trichloroethene	9.347	130	37914	18.494	ug/l	95
38) Methylcyclohexane	9.600	83	55860	18.747	ug/l	95
39) 1,2-Dichloropropane	9.618	63	38631	18.527	ug/l	98
40) Dibromomethane	9.706	93	27987	18.712	ug/l	97
41) Bromodichloromethane	9.882	83	58391	18.262	ug/l	96
42) Vinyl Acetate	6.600	43	416125	94.564	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085208.D
Acq On : 16 Dec 2024 10:19
Operator : JC\MD
Sample : VN1216WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Quant Time: Dec 16 12:21:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	46077	18.415	ug/l	92
44) Isopropyl Acetate	8.682	43	79121	18.196	ug/l	100
45) 1,4-Dioxane	9.694	88	13749	379.179	ug/l	98
46) Methyl methacrylate	9.677	41	36110	18.146	ug/l	95
47) n-amyl Acetate	12.488	43	65132	17.803	ug/l	97
48) t-1,3-Dichloropropene	10.835	75	57919	18.453	ug/l	100
49) cis-1,3-Dichloropropene	10.306	75	63332	18.535	ug/l	98
50) 1,1,2-Trichloroethane	11.012	97	36370	18.046	ug/l	91
51) Ethyl methacrylate	10.871	69	55409	18.076	ug/l	98
52) 1,3-Dichloropropane	11.159	76	61421	18.210	ug/l	99
53) Dibromochloromethane	11.353	129	45949	18.708	ug/l	99
54) 1,2-Dibromoethane	11.465	107	37104	18.272	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	86871	61.005	ug/l	100
56) Bromoform	12.576	173	29455	17.887	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	230551	90.751	ug/l	98
59) 2-Hexanone	11.194	43	172668	89.701	ug/l	97
61) Tetrachloroethene	11.100	164	36077	19.138	ug/l	91
62) Toluene	10.624	91	171579	18.900	ug/l	100
64) Chlorobenzene	11.888	112	105060	18.744	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.953	131	38827	18.556	ug/l	98
66) Ethyl Benzene	11.959	91	180124	18.698	ug/l	96
67) m/p-Xylenes	12.070	106	140933	38.037	ug/l	98
68) o-Xylene	12.394	106	66910	19.229	ug/l	97
69) Styrene	12.406	104	110123	18.651	ug/l	99
70) Isopropylbenzene	12.694	105	172891	19.264	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	50789	18.592	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	66535	24.657	ug/l	75
73) Bromobenzene	12.976	156	41970	18.670	ug/l	99
74) n-propylbenzene	13.029	91	200993	18.628	ug/l	99
75) 2-Chlorotoluene	13.123	91	126691	18.991	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	148740	19.344	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	18403	18.768	ug/l	99
78) 4-Chlorotoluene	13.217	91	127983	18.901	ug/l	99
79) tert-butylbenzene	13.435	119	119374	18.902	ug/l	96
80) 1,2,4-Trimethylbenzene	13.476	105	147735	19.451	ug/l	99
81) sec-Butylbenzene	13.612	105	170821	19.039	ug/l	99
82) p-Isopropyltoluene	13.723	119	143795	19.331	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	76871	18.638	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	76385	19.003	ug/l	99
85) n-Butylbenzene	14.053	91	119073	19.083	ug/l	100
86) Hexachloroethane	14.329	117	27875	18.824	ug/l	93
87) 1,2-Dichlorobenzene	14.100	146	72871	18.718	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	9899	18.139	ug/l	99
89) 1,2,4-Trichlorobenzene	15.835	180	37230	19.527	ug/l	96
90) Hexachlorobutadiene	15.494	225	20120	20.308	ug/l	97
91) Naphthalene	15.635	128	112126	18.930	ug/l	98
92) 1,2,3-Trichlorobenzene	15.835	180	37230	19.527	ug/l	96

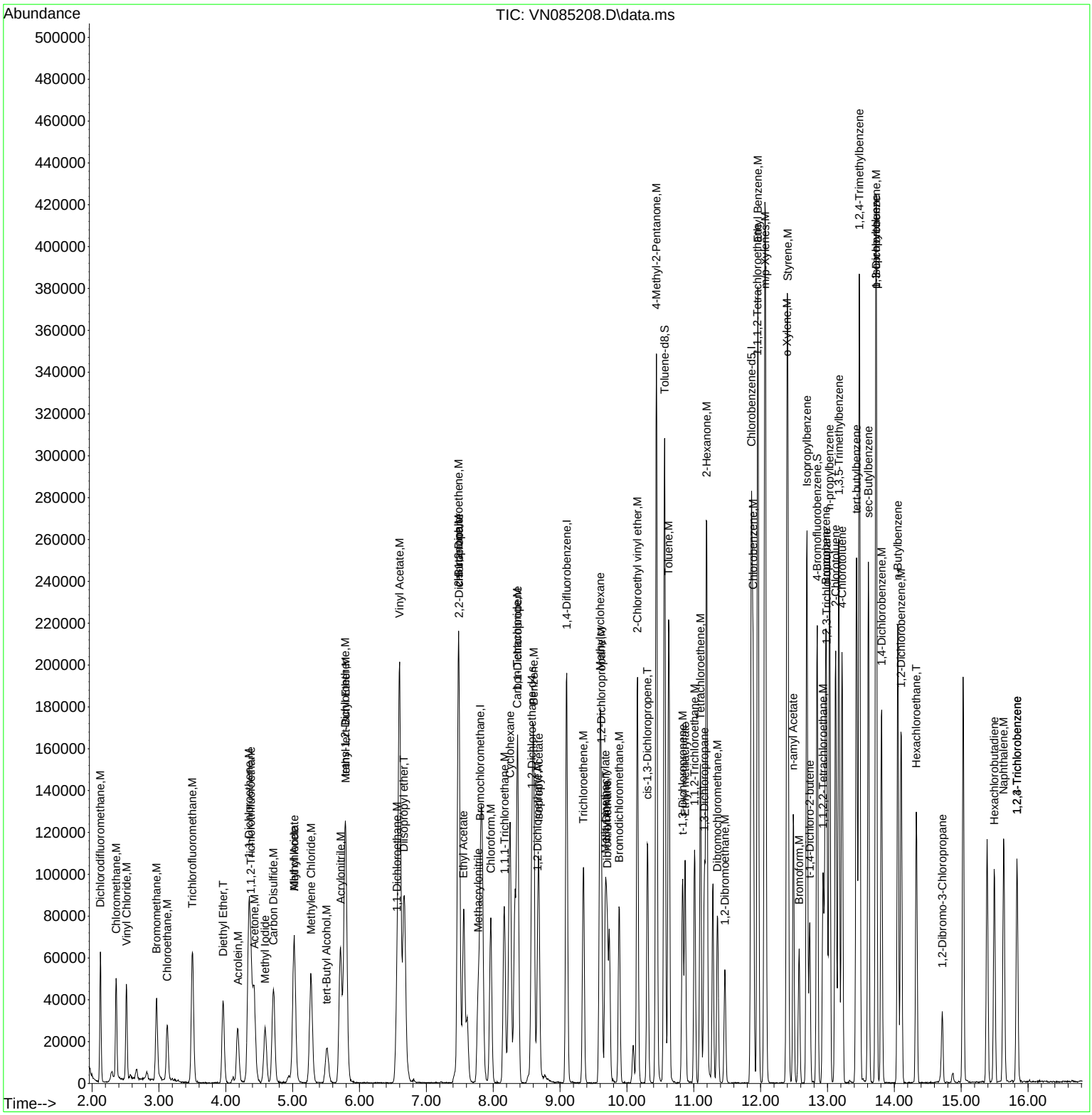
(#) = qualifier out of range (m) = manual integration (+) = signals summed

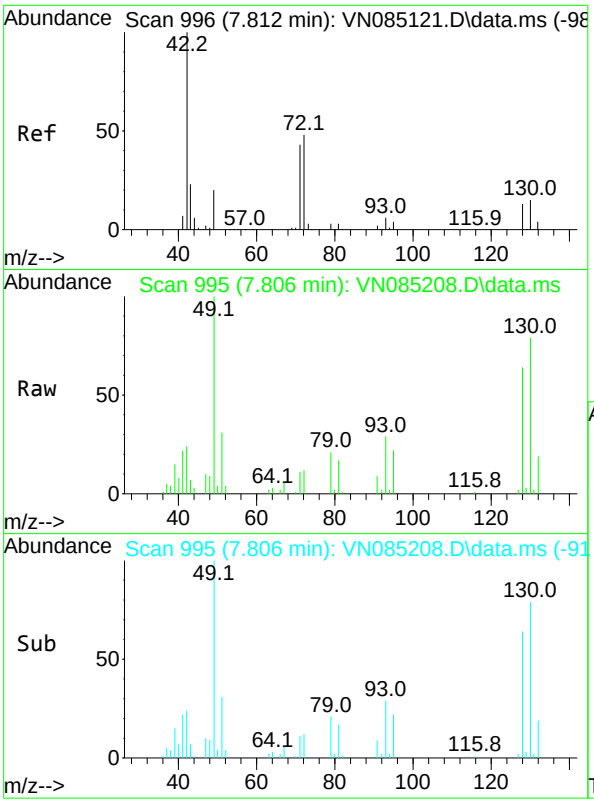
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085208.D
Acq On : 16 Dec 2024 10:19
Operator : JC\MD
Sample : VN1216WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Quant Time: Dec 16 12:21:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration



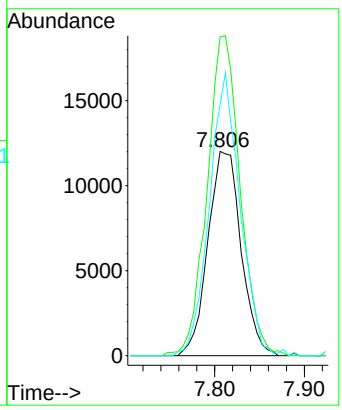


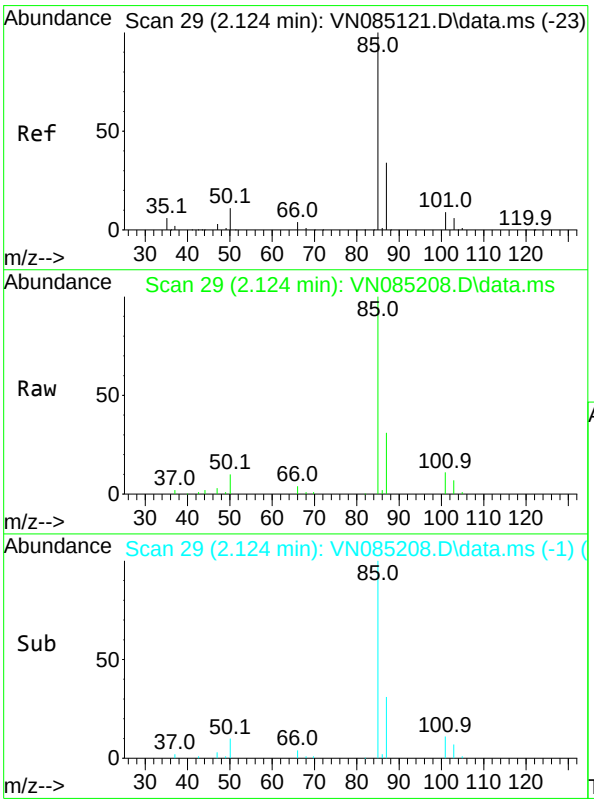
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:128 Resp: 30825

Ion	Ratio	Lower	Upper
128	100		
49	156.0	0.0	394.5
130	128.2	0.0	316.5

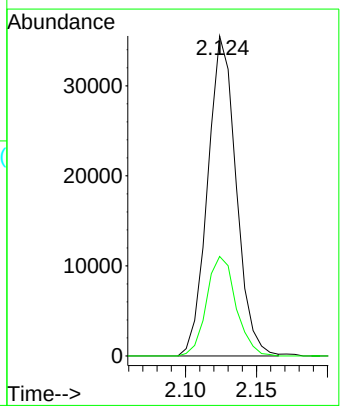


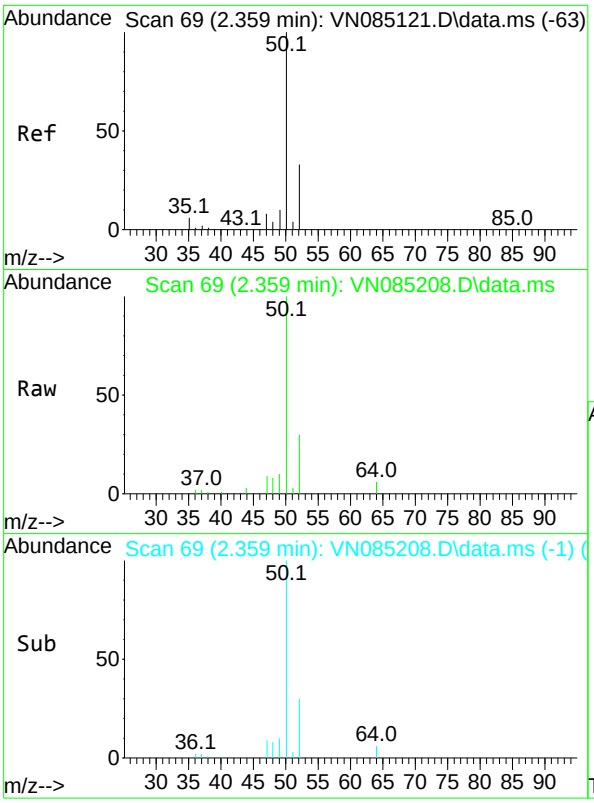


#2
Dichlorodifluoromethane
Concen: 20.082 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 85 Resp: 49525

Ion	Ratio	Lower	Upper
85	100		
87	31.1	16.8	50.3



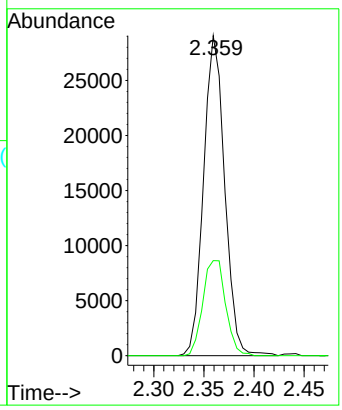


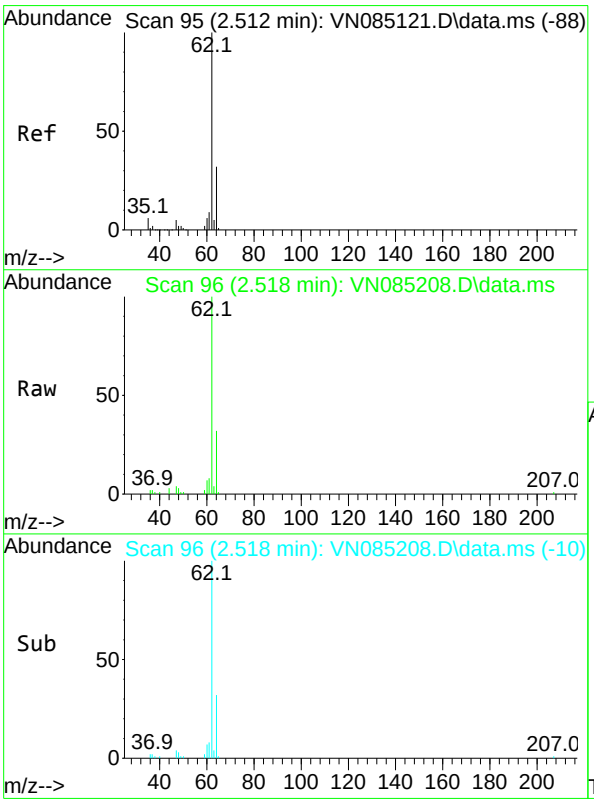
#3
Chloromethane
Concen: 19.558 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 50 Resp: 42692

Ion	Ratio	Lower	Upper
50	100		
52	29.7	25.0	37.4

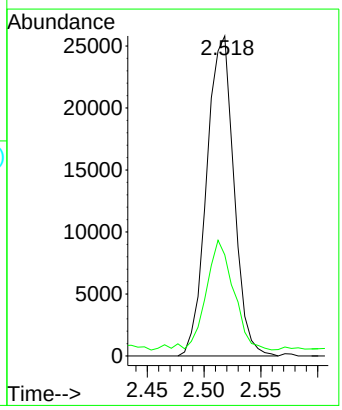


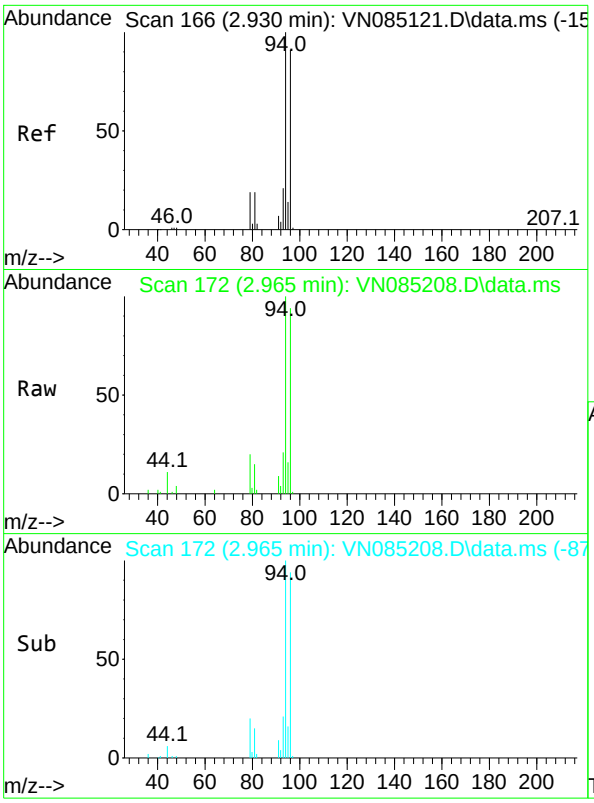


#4
Vinyl Chloride
Concen: 19.257 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 62 Resp: 42995

Ion	Ratio	Lower	Upper
62	100		
64	29.6	24.9	37.3



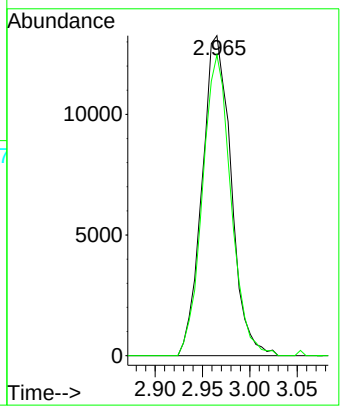


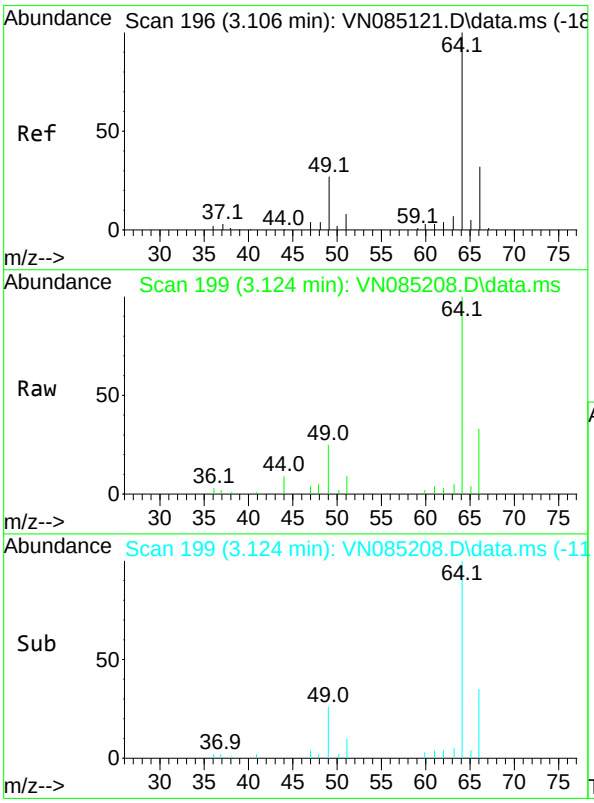
#5
Bromomethane
Concen: 19.958 ug/l
RT: 2.965 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 94 Resp: 28290

Ion	Ratio	Lower	Upper
94	100		
96	93.9	76.2	114.4

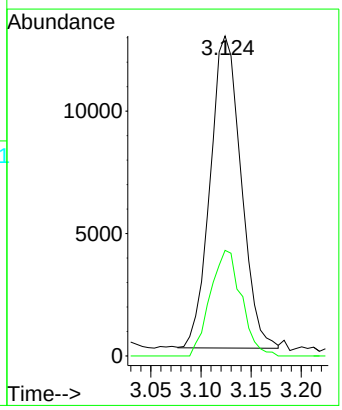


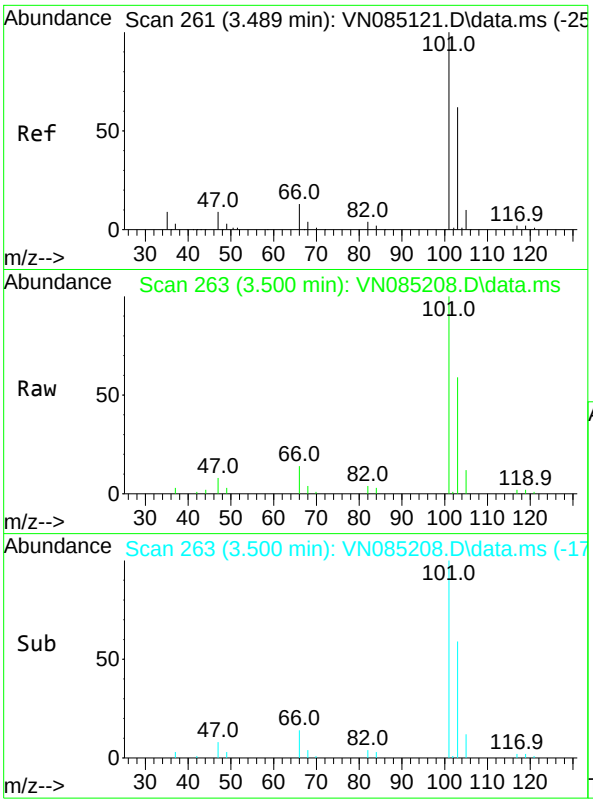


#6
Chloroethane
Concen: 19.893 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 64 Resp: 27287

Ion	Ratio	Lower	Upper
64	100		
66	33.9	25.5	38.3



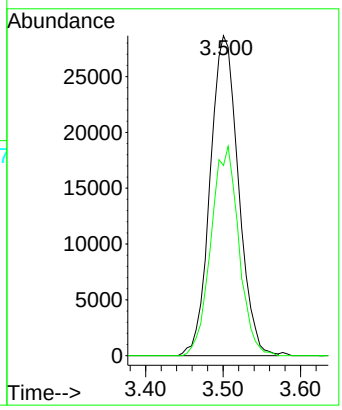


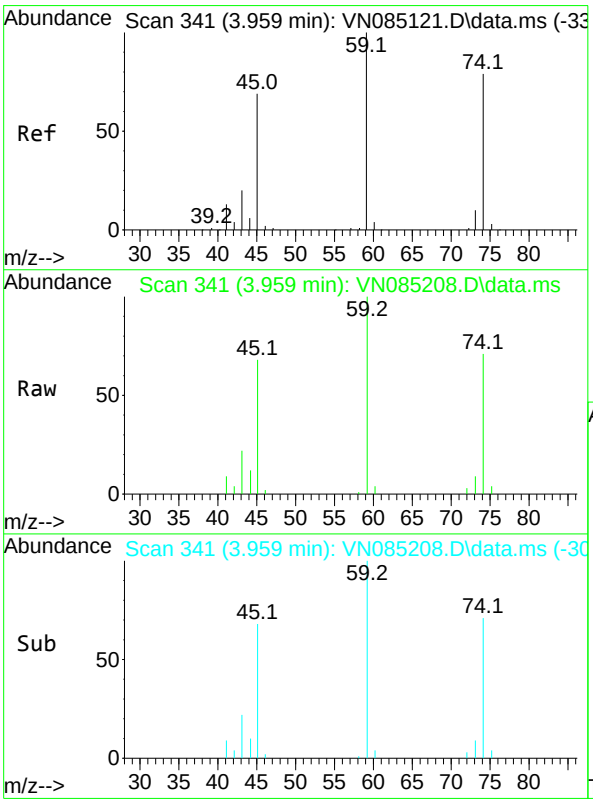
#7
Trichlorofluoromethane
Concen: 19.872 ug/l
RT: 3.500 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:101 Resp: 72626

Ion	Ratio	Lower	Upper
101	100		
103	59.5	51.3	76.9

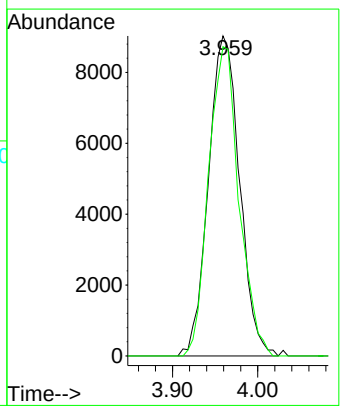


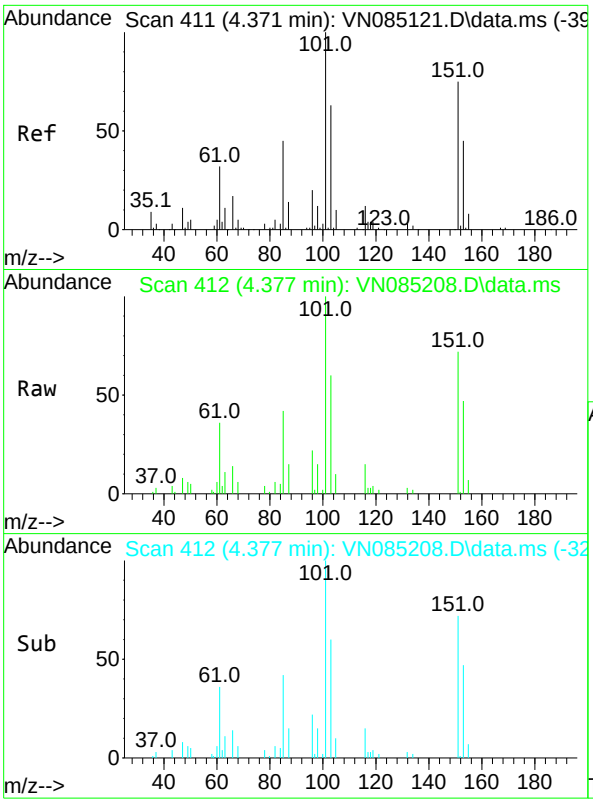


#8
Diethyl Ether
Concen: 19.812 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 74 Resp: 22934

Ion	Ratio	Lower	Upper
74	100		
45	94.4	18.6	167.8



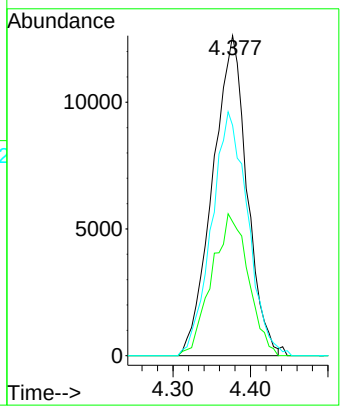


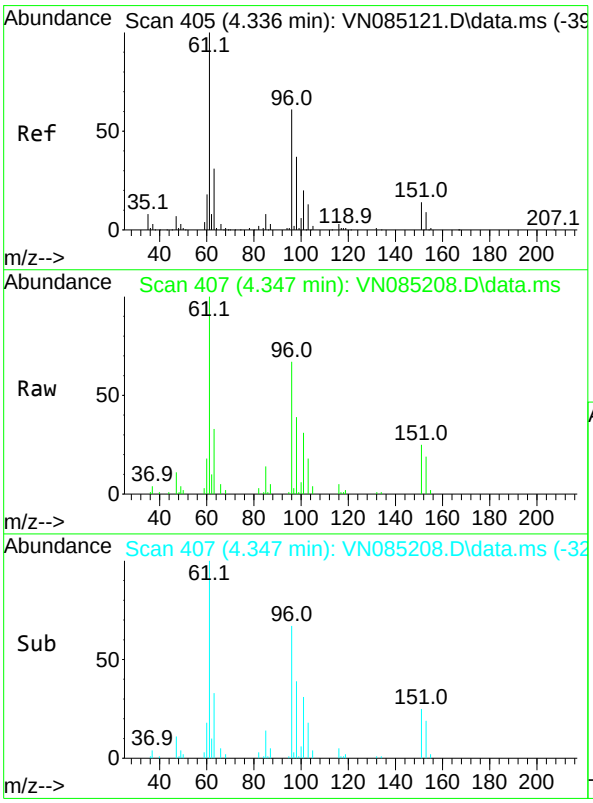
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.044 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:101 Resp: 38921

Ion	Ratio	Lower	Upper
101	100		
85	32.3	0.0	88.6
151	80.3	0.0	155.8

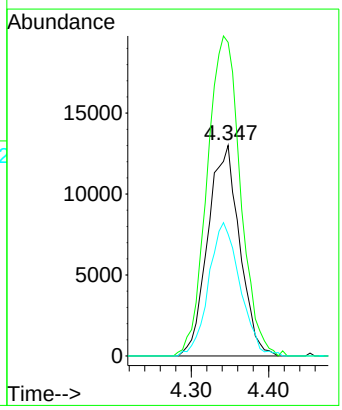


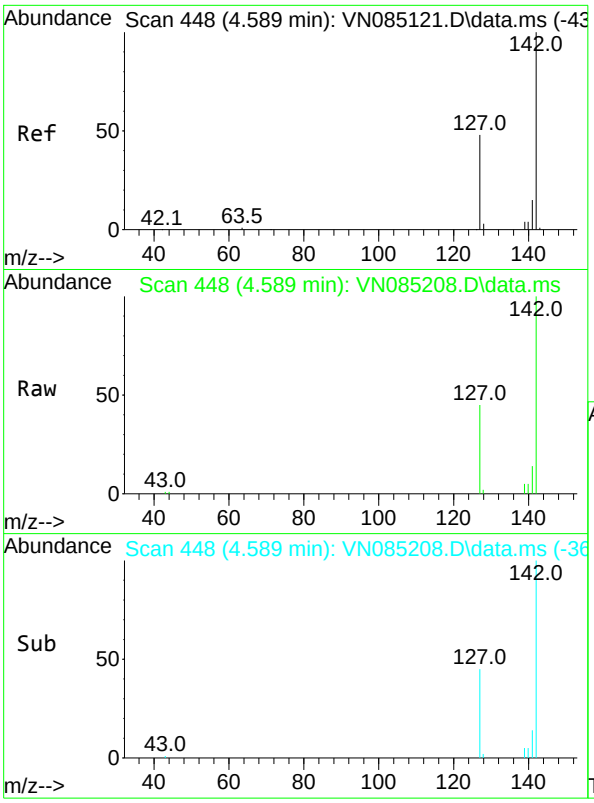


#10
1,1-Dichloroethene
Concen: 19.695 ug/l
RT: 4.347 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 96 Resp: 36972

Ion	Ratio	Lower	Upper
96	100		
61	148.9	123.0	184.4
98	57.8	49.1	73.7



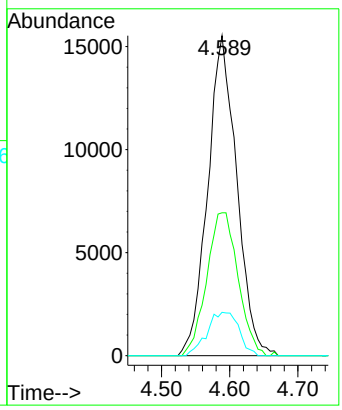


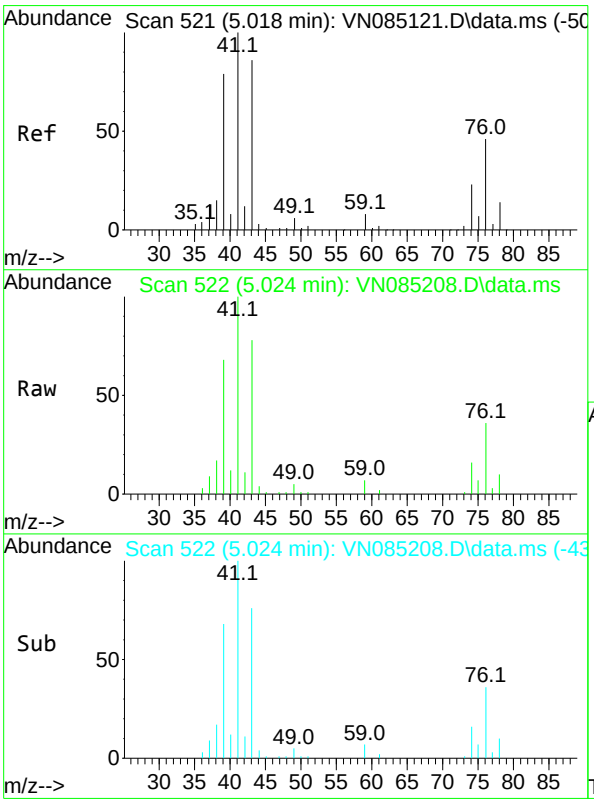
#11
Methyl Iodide
Concen: 17.647 ug/l
RT: 4.589 min Scan# 44
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:142 Resp: 45944

Ion	Ratio	Lower	Upper
142	100		
127	44.6	22.5	67.5
141	13.5	8.3	24.9

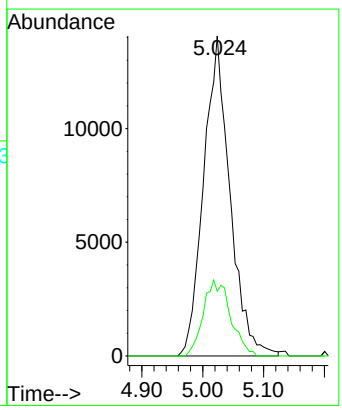


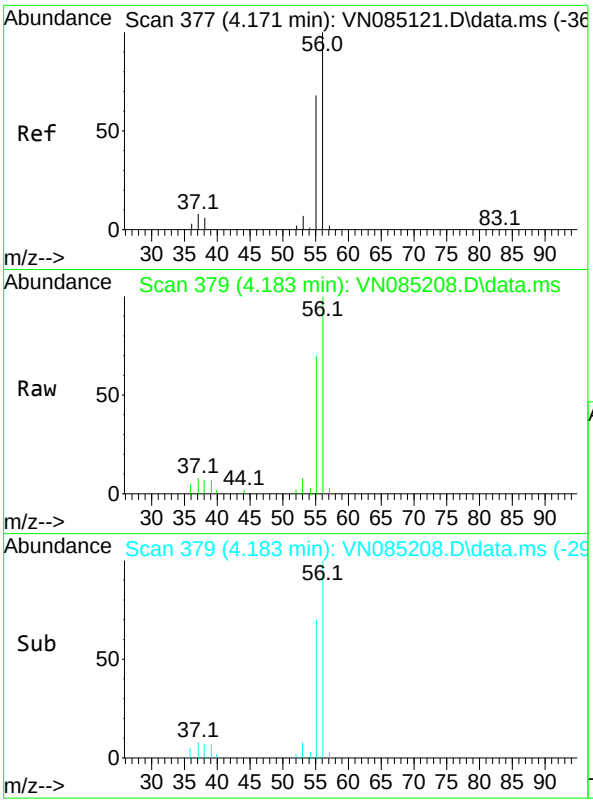


#12
Methyl Acetate
Concen: 19.041 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 43 Resp: 42168

Ion	Ratio	Lower	Upper
43	100		
74	20.3	19.8	29.6



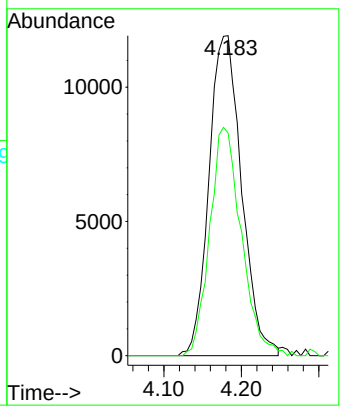


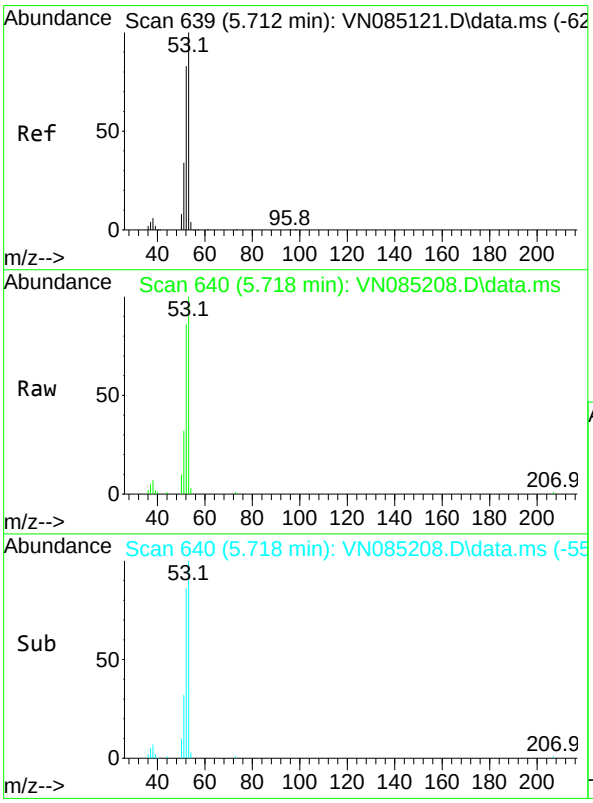
#13
Acrolein
Concen: 108.358 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 56 Resp: 34873

Ion	Ratio	Lower	Upper
56	100		
55	69.0	59.4	89.0

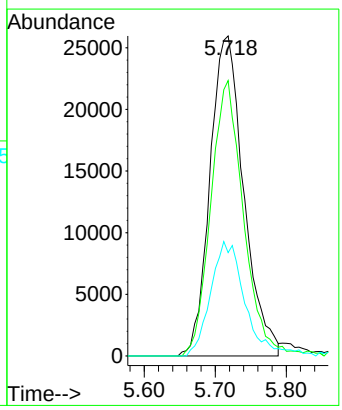


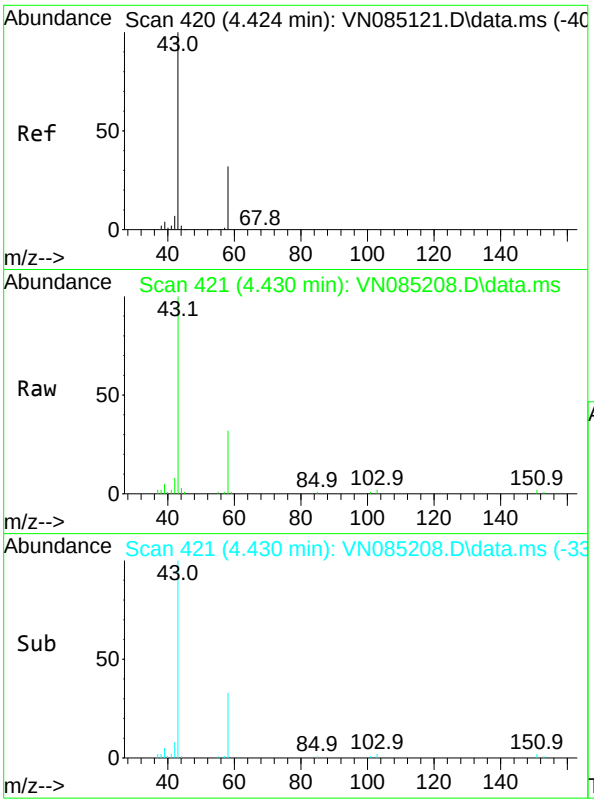


#14
Acrylonitrile
Concen: 93.137 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 53 Resp: 85647

Ion	Ratio	Lower	Upper
53	100		
52	82.7	42.9	128.5
51	35.7	17.2	51.5



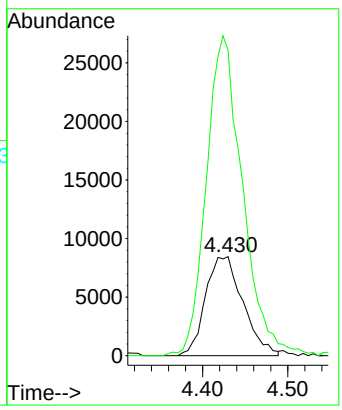


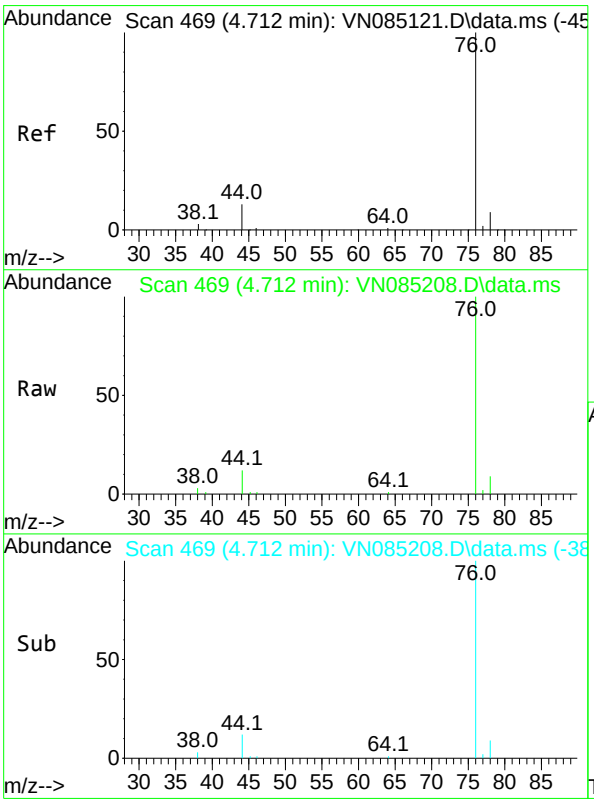
#15
Acetone
Concen: 103.954 ug/l
RT: 4.430 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 58 Resp: 25905

Ion	Ratio	Lower	Upper
58	100		
43	311.0	242.3	363.5

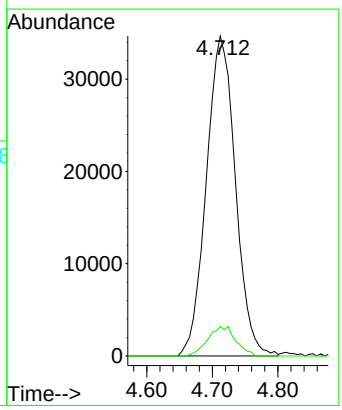


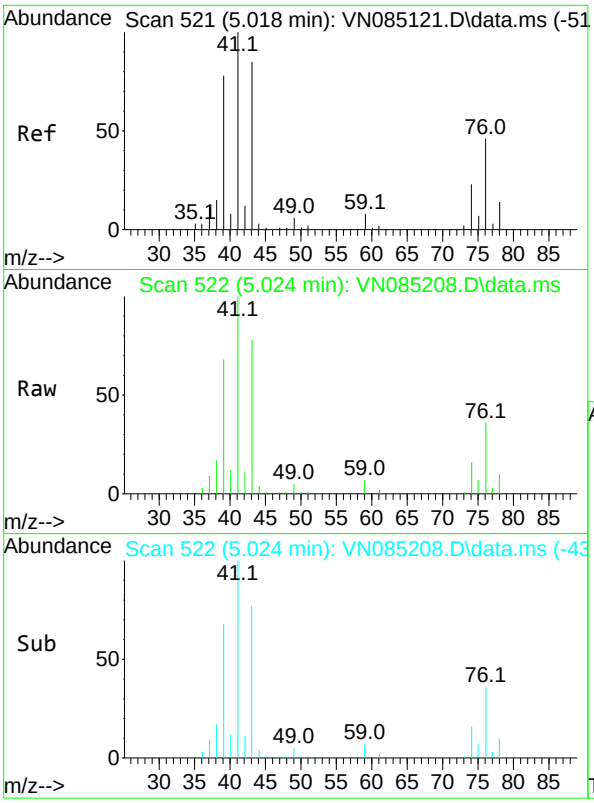


#16
Carbon Disulfide
Concen: 19.057 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 76 Resp: 106931

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7



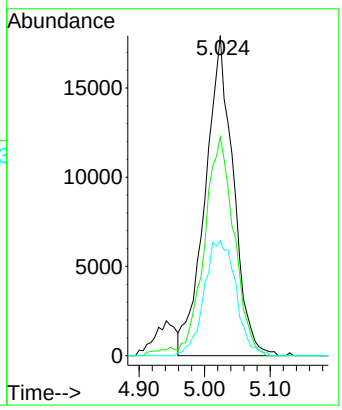


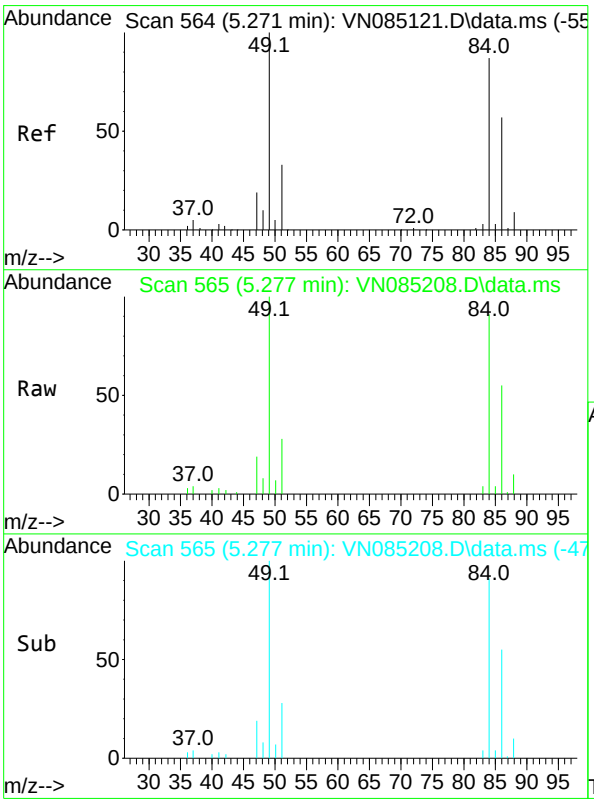
#17
Allyl chloride
Concen: 19.871 ug/l
RT: 5.024 min Scan# 5
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 41 Resp: 53377

Ion	Ratio	Lower	Upper
41	100		
39	68.4	32.0	96.2
76	35.9	20.2	60.5

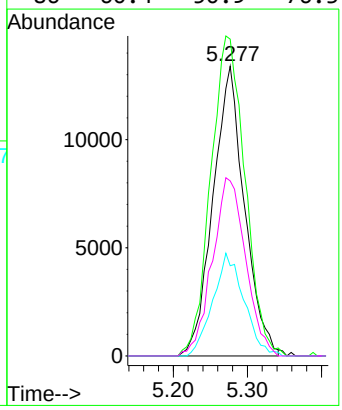


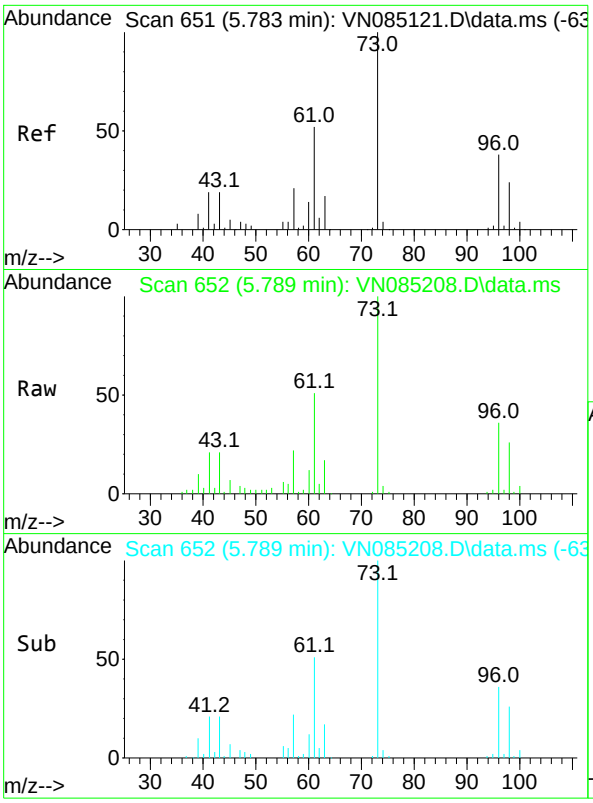


#18
Methylene Chloride
Concen: 18.537 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 84 Resp: 39484

Ion	Ratio	Lower	Upper
84	100		
49	109.3	95.1	142.7
51	31.1	27.4	41.0
86	60.4	50.9	76.3



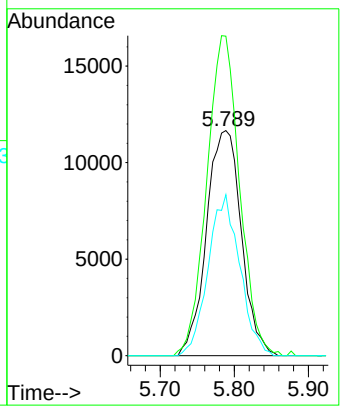


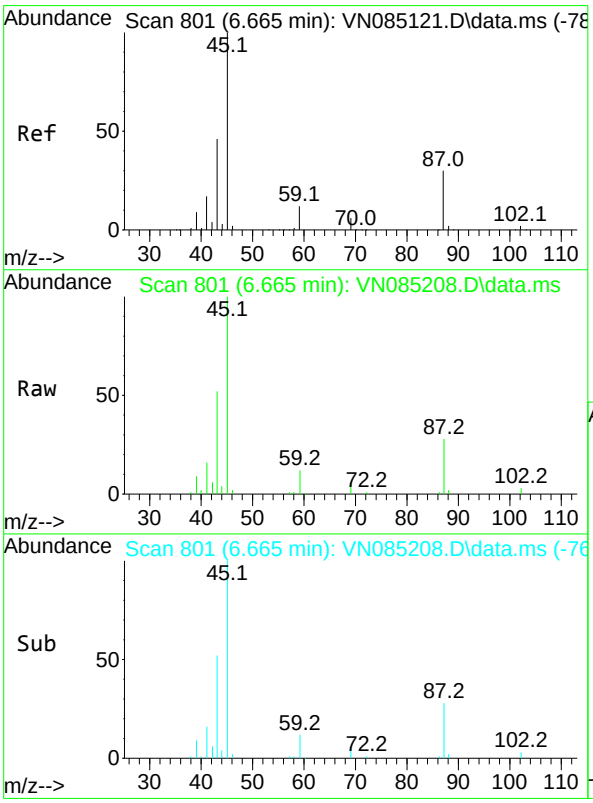
#19
trans-1,2-Dichloroethene
Concen: 19.519 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 96 Resp: 38087

Ion	Ratio	Lower	Upper
96	100		
61	140.1	100.4	150.6
98	71.5	52.6	79.0

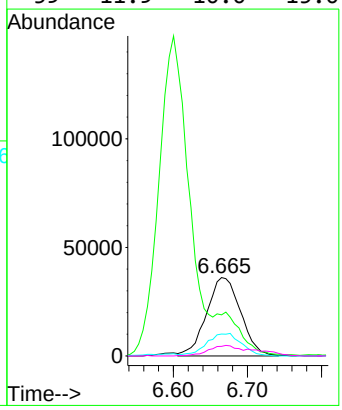


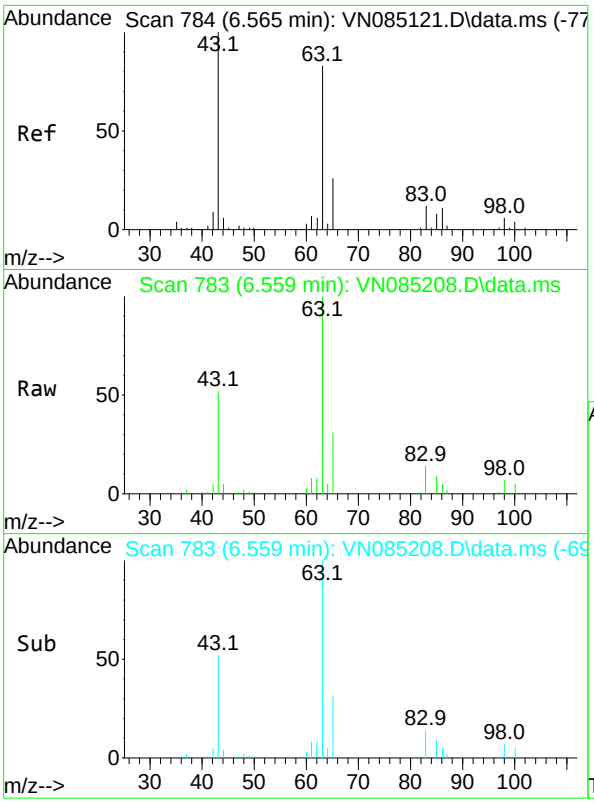


#20
Diisopropyl ether
Concen: 19.573 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 45 Resp: 115380

Ion	Ratio	Lower	Upper
45	100		
43	50.4	41.9	62.9
87	28.0	24.1	36.1
59	11.9	10.0	15.0



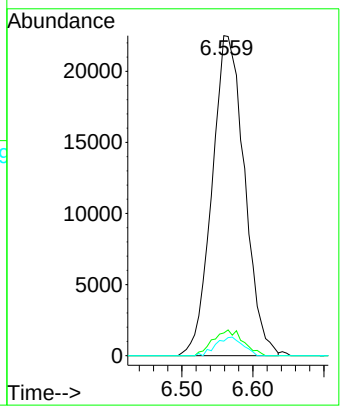


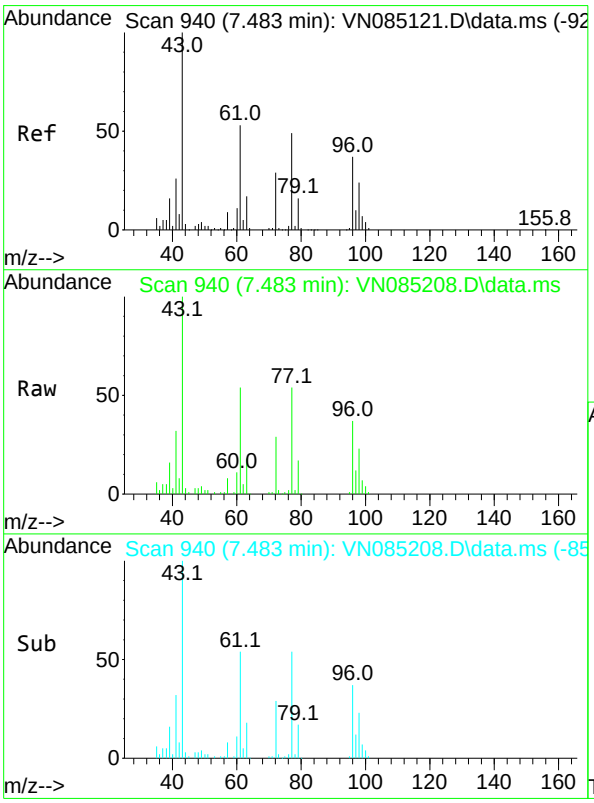
#21
1,1-Dichloroethane
Concen: 19.601 ug/l
RT: 6.559 min Scan# 7
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 63 Resp: 71315

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.5	10.4
100	4.6	1.6	4.8

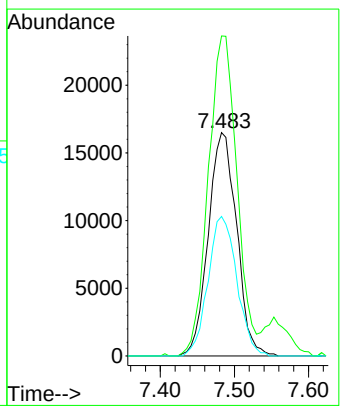


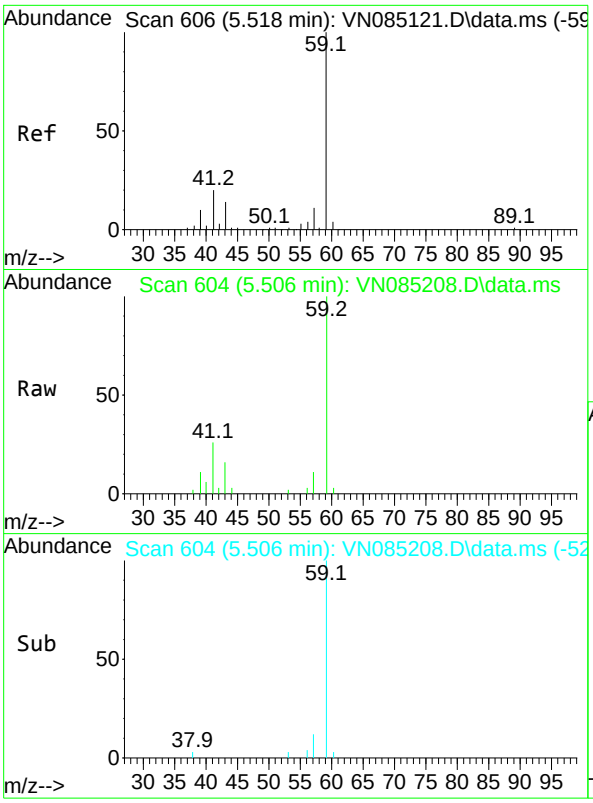


#22
cis-1,2-Dichloroethene
Concen: 19.576 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 96 Resp: 43904

Ion	Ratio	Lower	Upper
96	100		
61	144.6	115.9	173.9
98	63.6	51.8	77.8



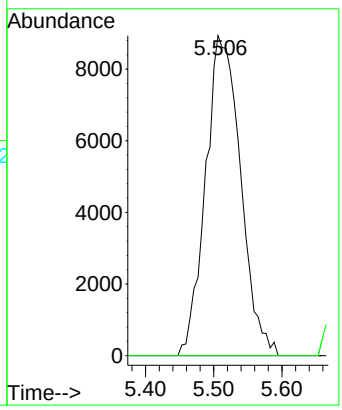


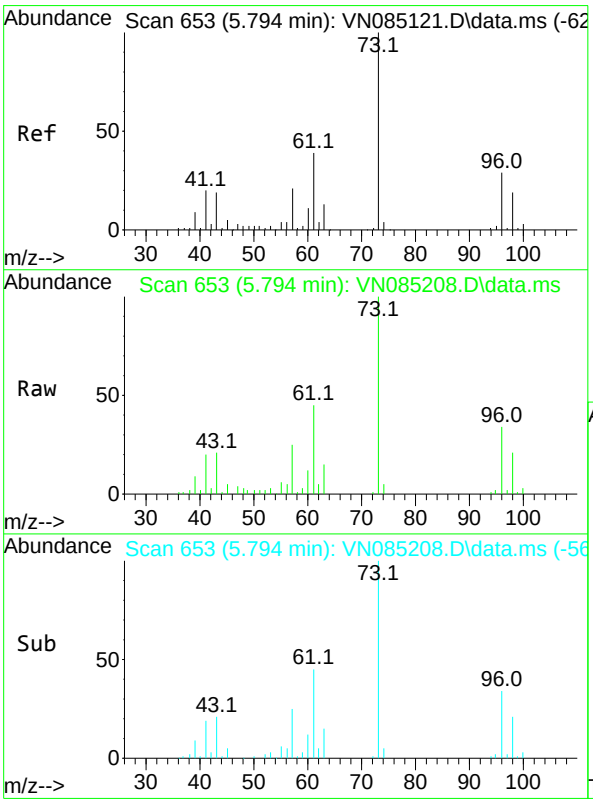
#23
tert-Butyl Alcohol
Concen: 96.694 ug/l
RT: 5.506 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 59 Resp: 31898

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

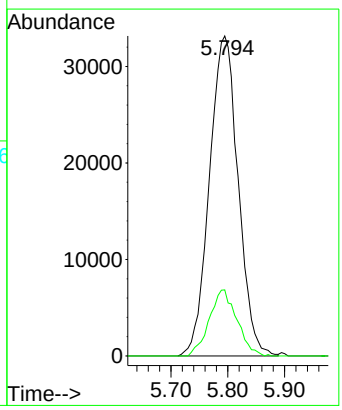


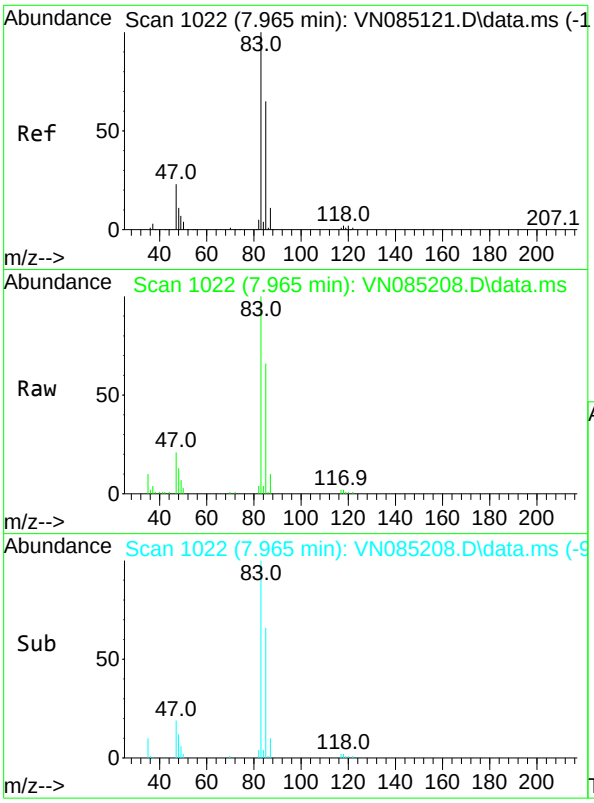


#24
Methyl tert-Butyl Ether
Concen: 19.863 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 73 Resp: 116497

Ion	Ratio	Lower	Upper
73	100		
43	19.8	8.7	13.1#



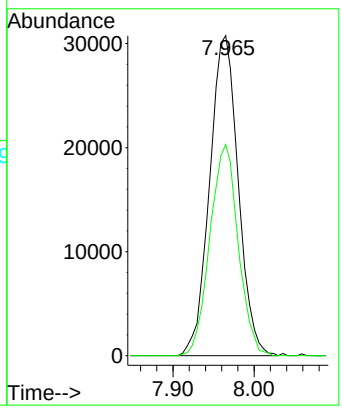


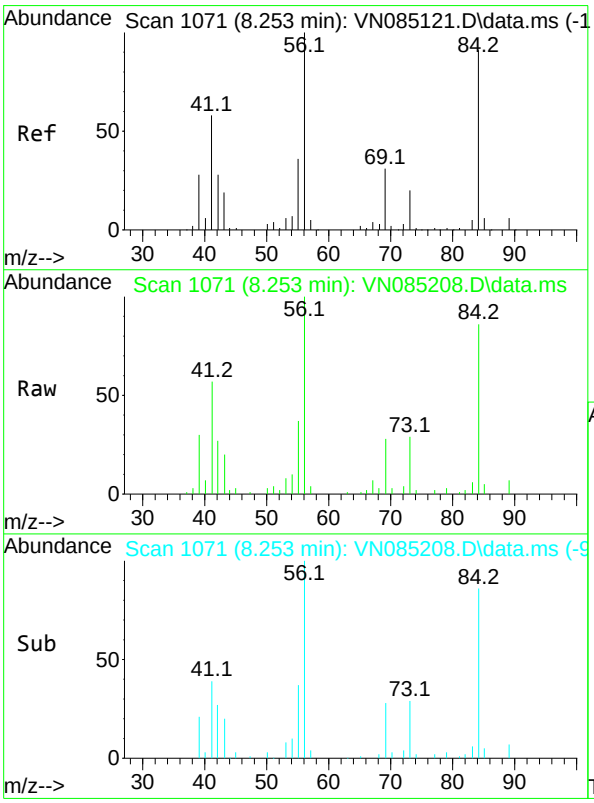
#25
Chloroform
Concen: 19.757 ug/l
RT: 7.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 83 Resp: 75307

Ion	Ratio	Lower	Upper
83	100		
85	66.0	49.4	74.0

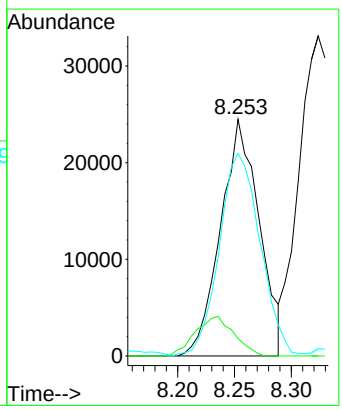


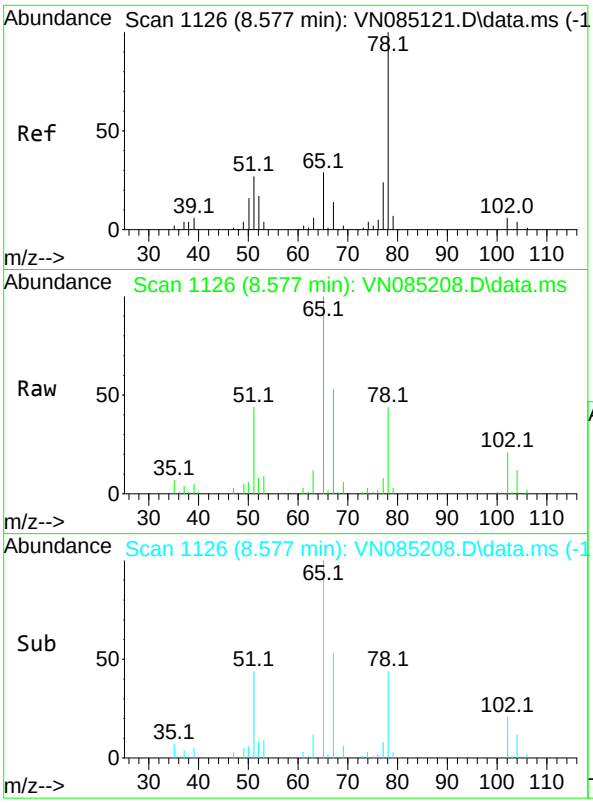


#26
Cyclohexane
Concen: 19.340 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 56 Resp: 57940

Ion	Ratio	Lower	Upper
56	100		
89	16.8	19.5	29.3#
84	90.7	70.6	105.8



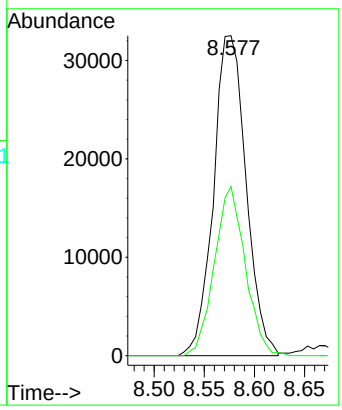


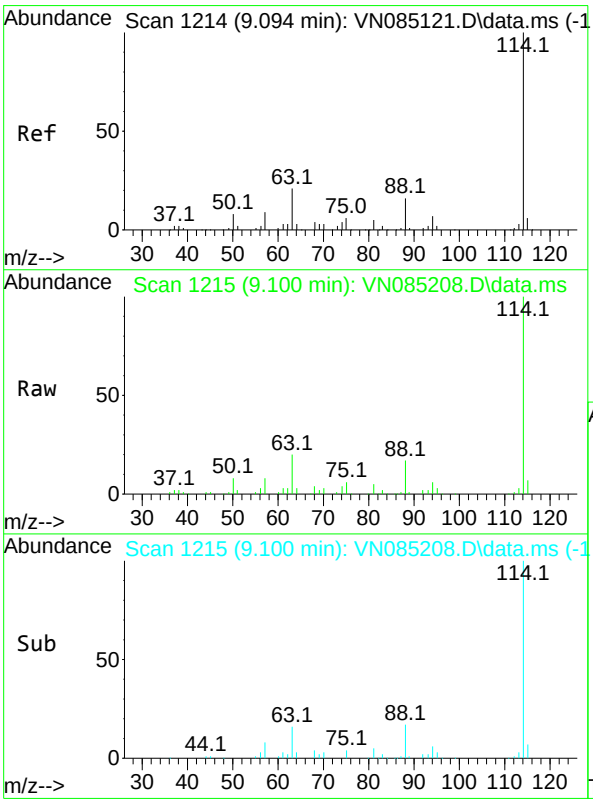
#27
1,2-Dichloroethane-d4
Concen: 30.028 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 65 Resp: 73444

Ion	Ratio	Lower	Upper
65	100		
67	49.8	39.9	59.9

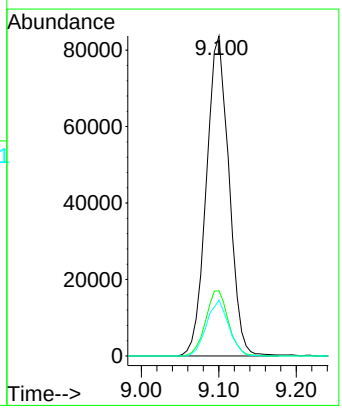


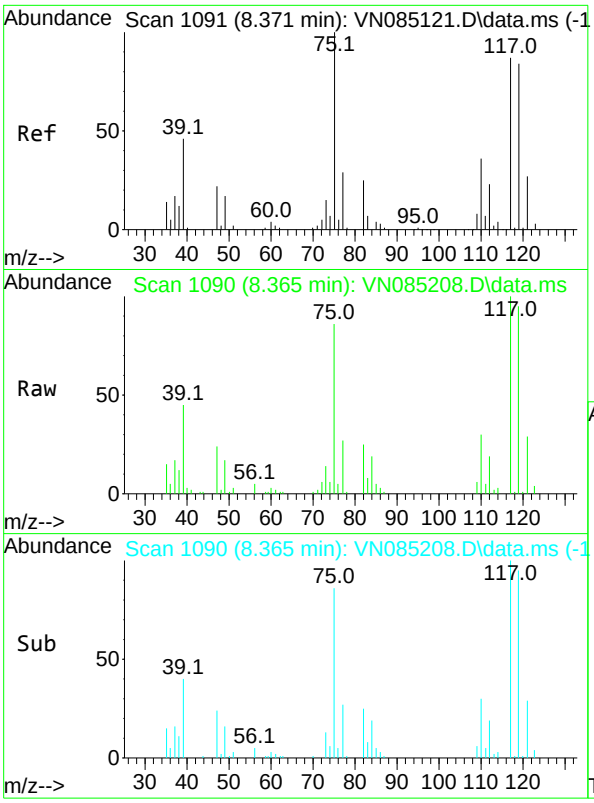


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:114 Resp: 169823

Ion	Ratio	Lower	Upper
114	100		
63	20.5	16.2	24.2
88	17.0	12.5	18.7



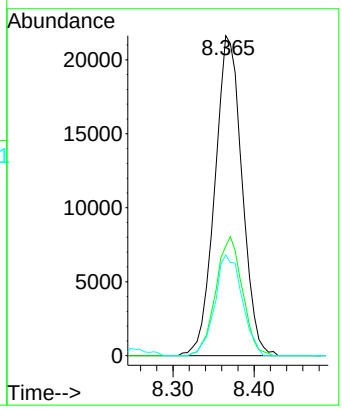


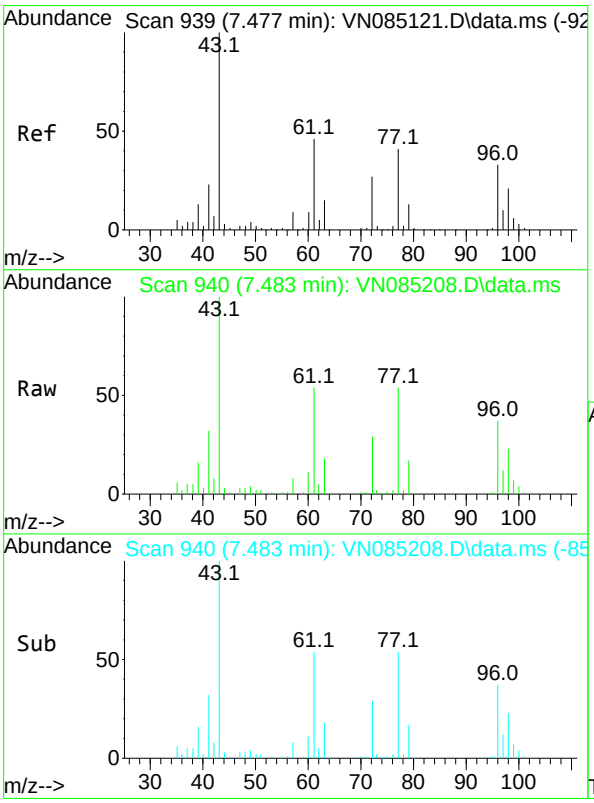
#29
1,1-Dichloropropene
Concen: 18.361 ug/l
RT: 8.365 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 75 Resp: 50315

Ion	Ratio	Lower	Upper
75	100		
110	36.4	0.0	71.6
77	31.7	0.0	62.2

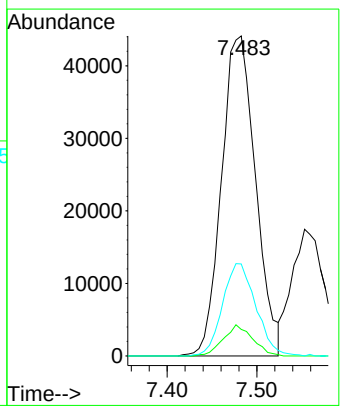


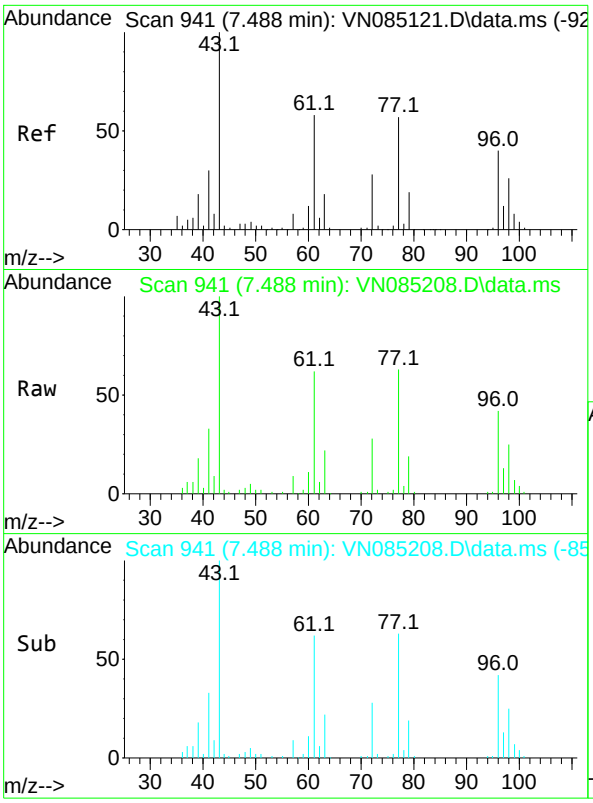


#30
2-Butanone
Concen: 92.579 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 43 Resp: 116422

Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.9	10.3
72	28.2	21.8	32.8



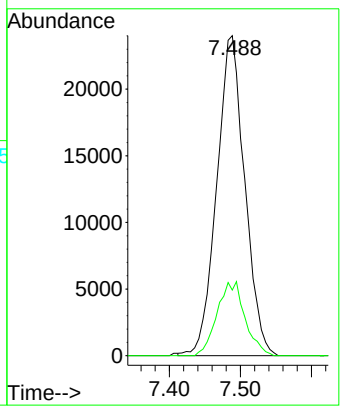


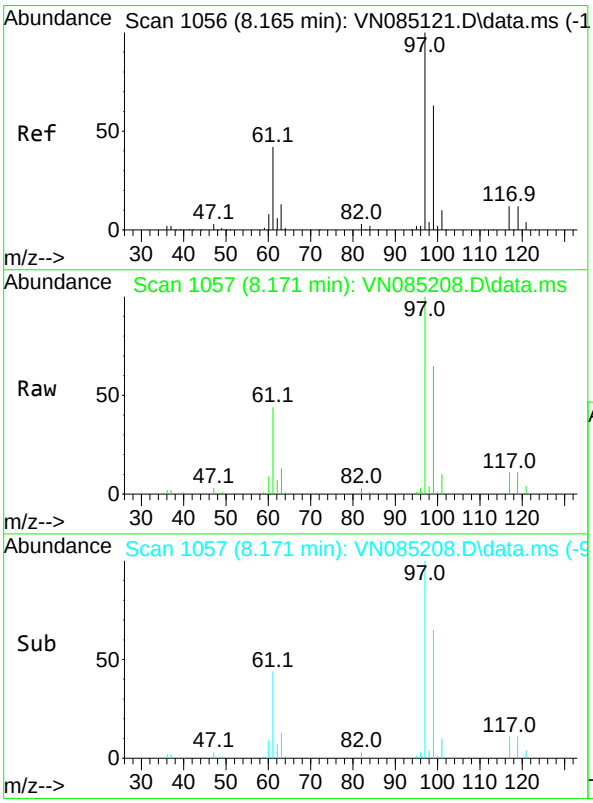
#31
2,2-Dichloropropane
Concen: 18.711 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 77 Resp: 65751

Ion	Ratio	Lower	Upper
77	100		
97	23.1	0.0	0.0#

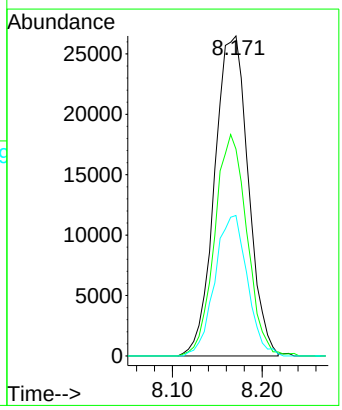


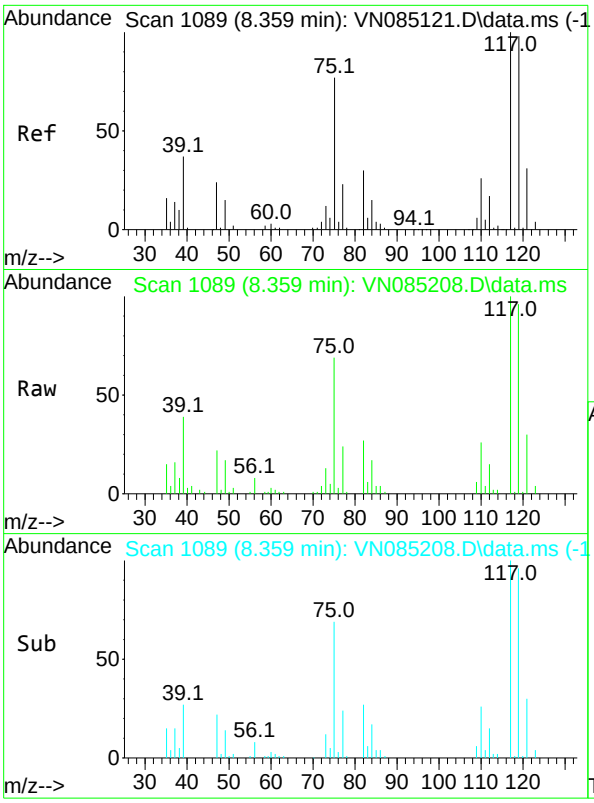


#32
1,1,1-Trichloroethane
Concen: 18.605 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 97 Resp: 69008

Ion	Ratio	Lower	Upper
97	100		
99	66.2	50.8	76.2
61	42.3	32.7	49.1



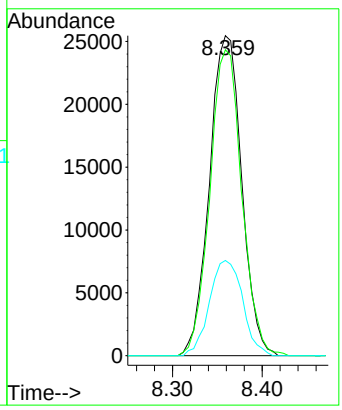


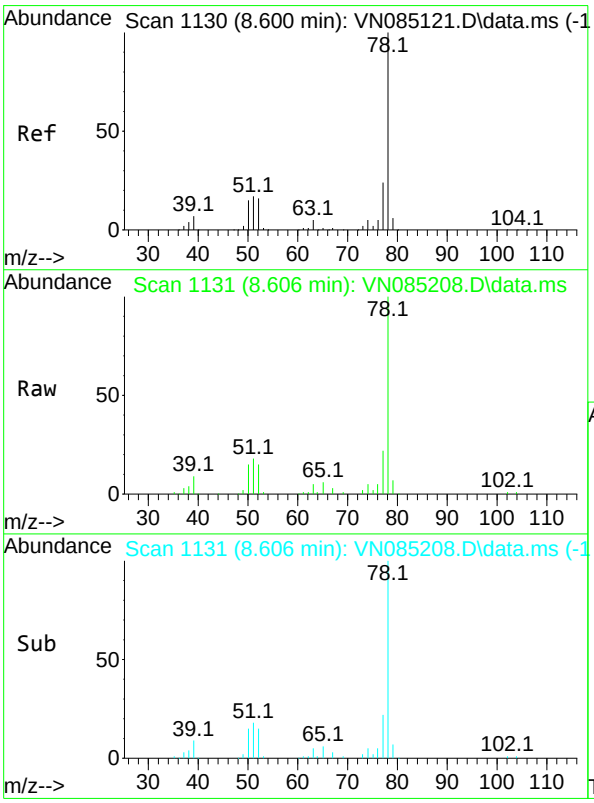
#33
Carbon Tetrachloride
Concen: 18.985 ug/l
RT: 8.359 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:117 Resp: 63544

Ion	Ratio	Lower	Upper
117	100		
119	95.6	81.6	122.4
121	29.7	26.5	39.7

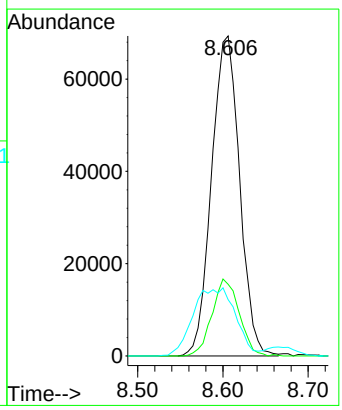


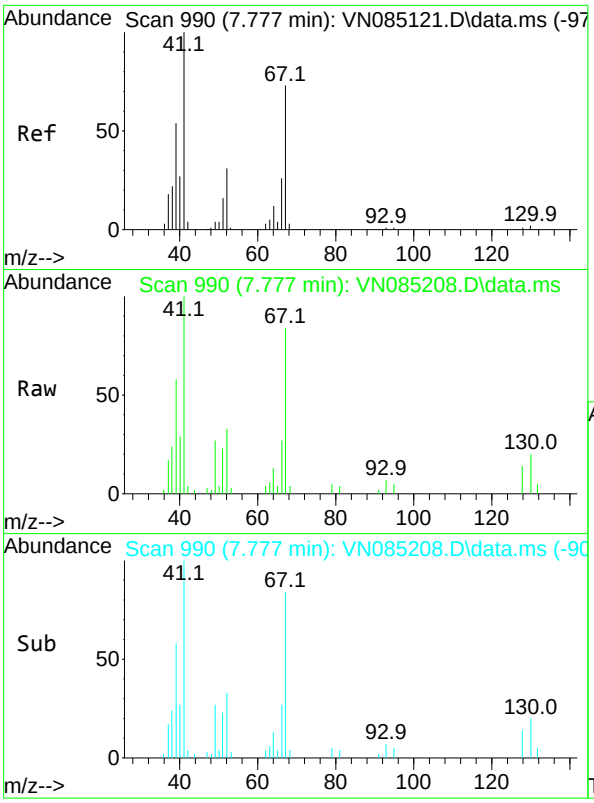


#34
Benzene
Concen: 18.431 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 78 Resp: 158668

Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.0	27.0
51	15.0	12.4	18.6



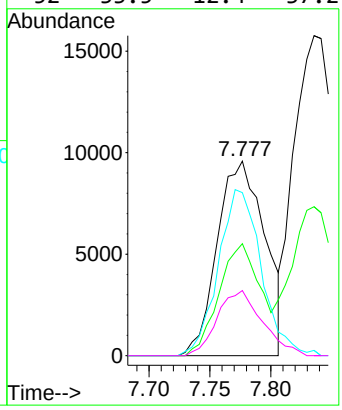


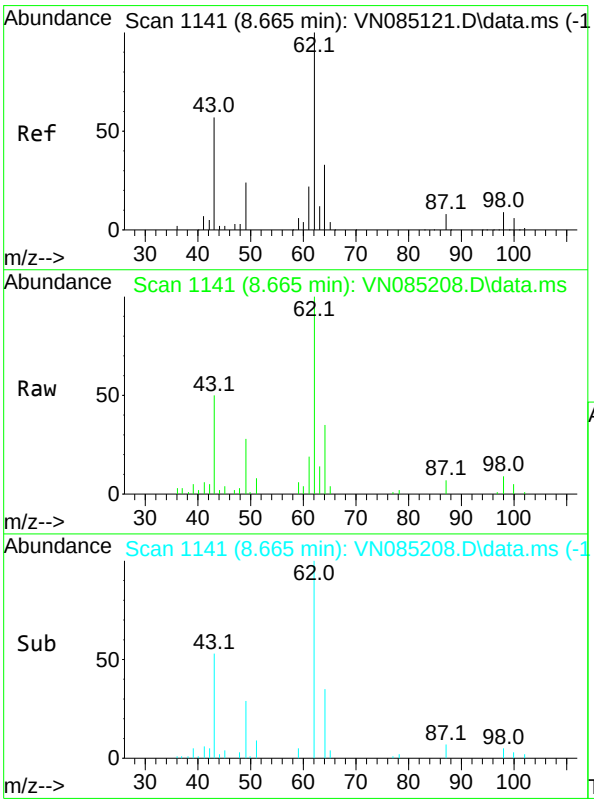
#35
Methacrylonitrile
Concen: 18.445 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 41 Resp: 26103

Ion	Ratio	Lower	Upper
41	100		
39	57.6	24.4	73.2
67	83.8	37.0	110.9
52	33.5	12.4	37.2

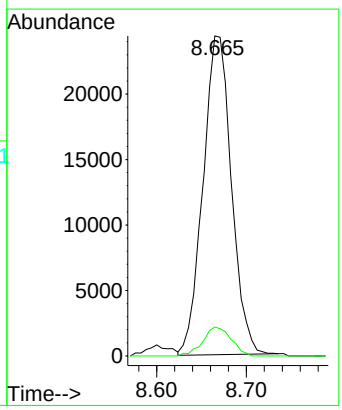


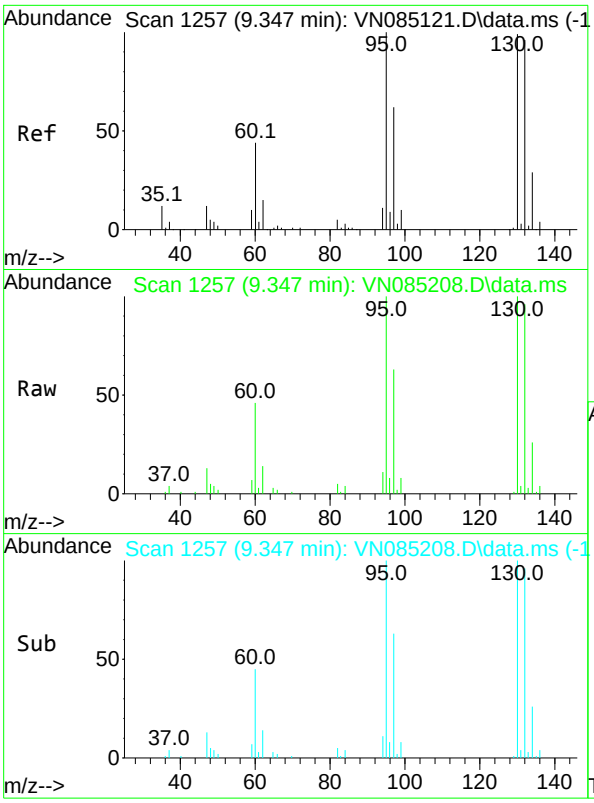


#36
1,2-Dichloroethane
Concen: 18.273 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 62 Resp: 53550

Ion	Ratio	Lower	Upper
62	100		
98	9.1	7.3	10.9



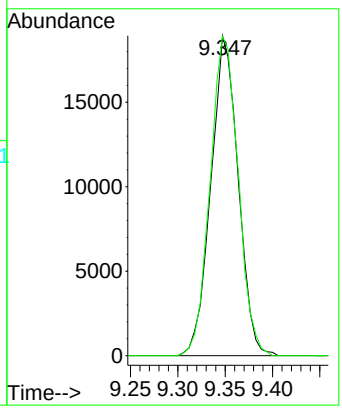


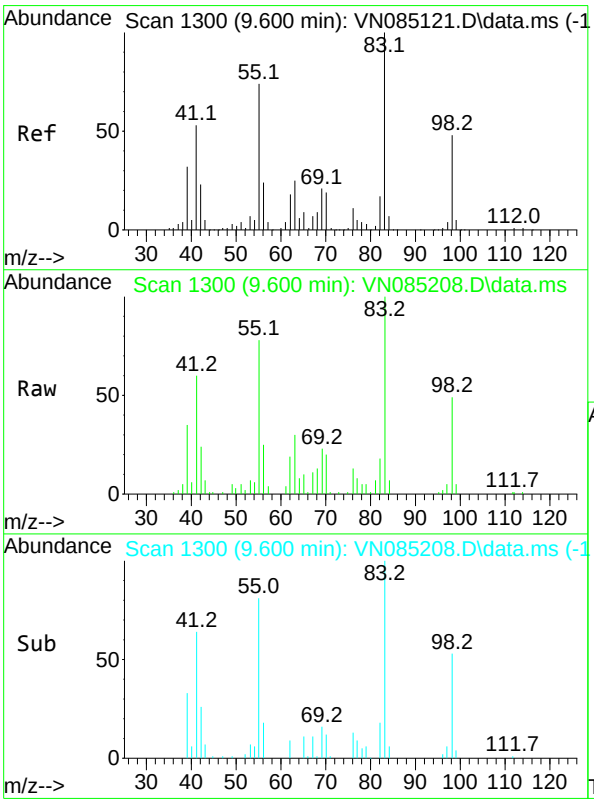
#37
Trichloroethene
Concen: 18.494 ug/l
RT: 9.347 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:130 Resp: 37914

Ion	Ratio	Lower	Upper
130	100		
95	99.8	76.2	114.4

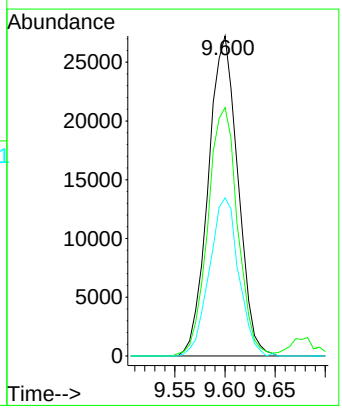


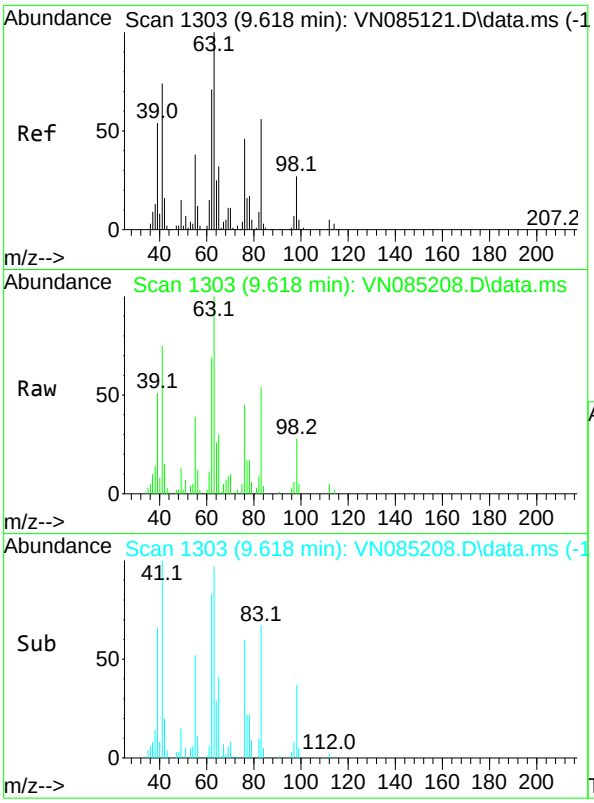


#38
Methylcyclohexane
Concen: 18.747 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 83 Resp: 55860

Ion	Ratio	Lower	Upper
83	100		
55	77.8	41.4	124.4
98	48.7	25.7	77.1



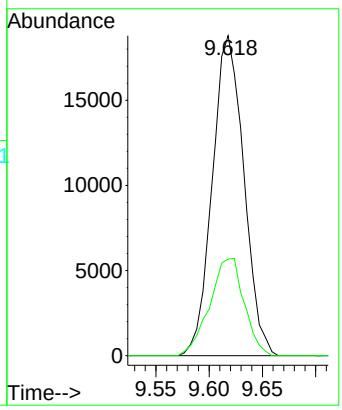


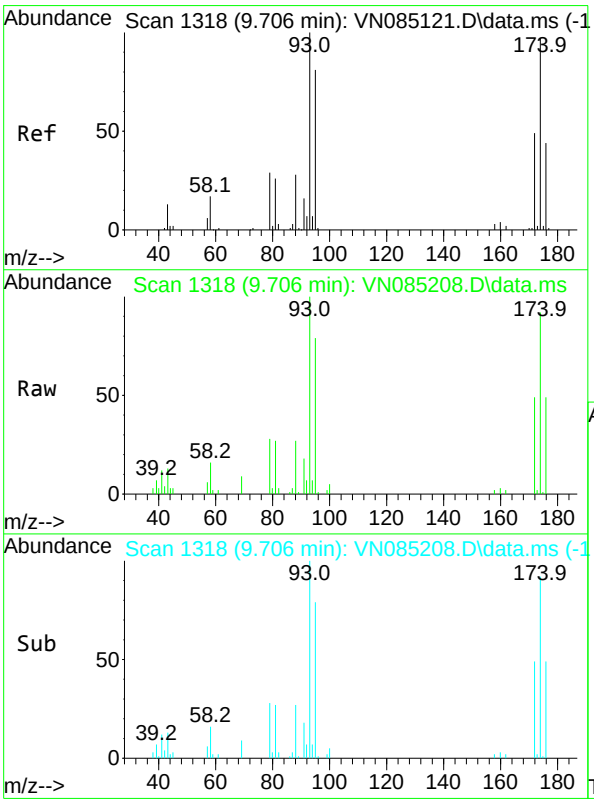
#39
1,2-Dichloropropane
Concen: 18.527 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 63 Resp: 38631

Ion	Ratio	Lower	Upper
63	100		
65	30.2	23.4	35.0

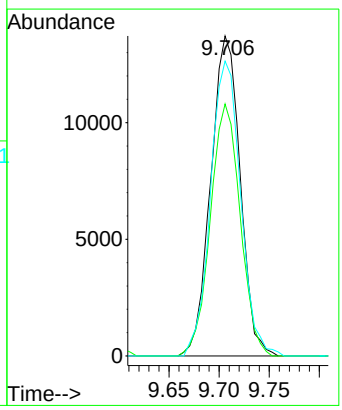


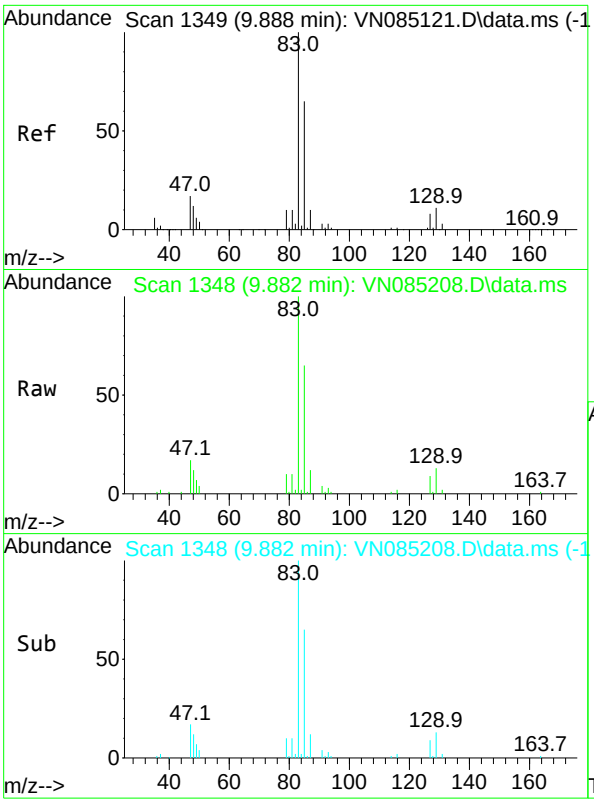


#40
Dibromomethane
Concen: 18.712 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 93 Resp: 27987

Ion	Ratio	Lower	Upper
93	100		
95	79.8	0.0	169.4
174	94.2	0.0	189.8



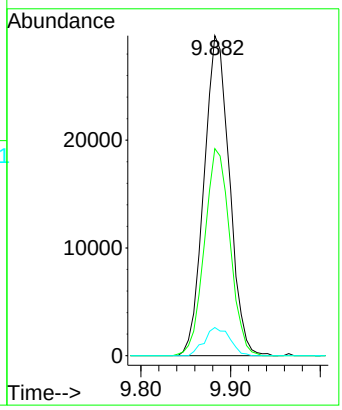


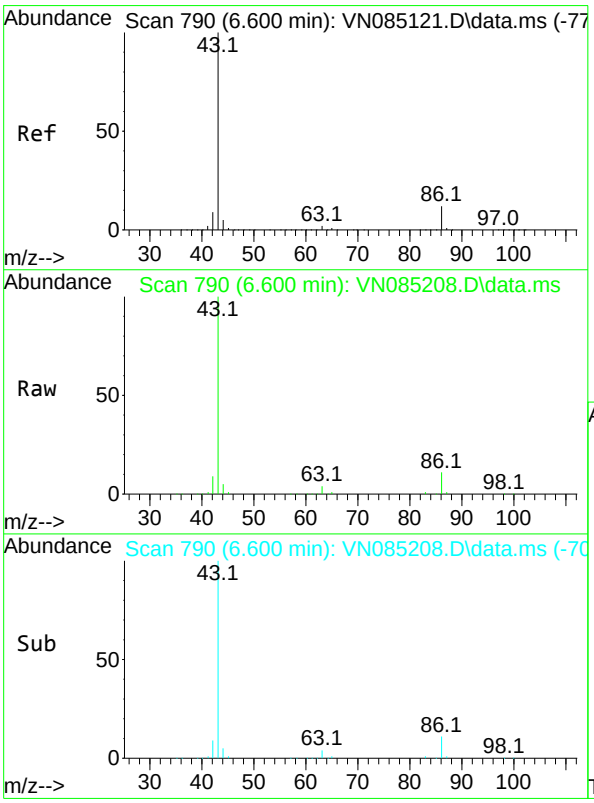
#41
Bromodichloromethane
Concen: 18.262 ug/l
RT: 9.882 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 83 Resp: 58391

Ion	Ratio	Lower	Upper
83	100		
85	64.7	54.6	81.8
127	8.8	7.0	10.6

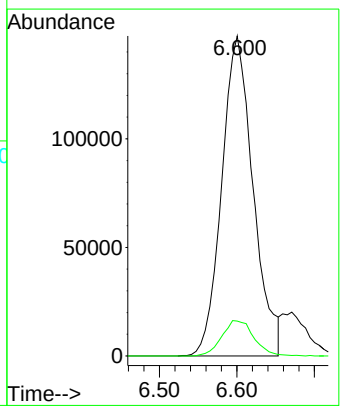


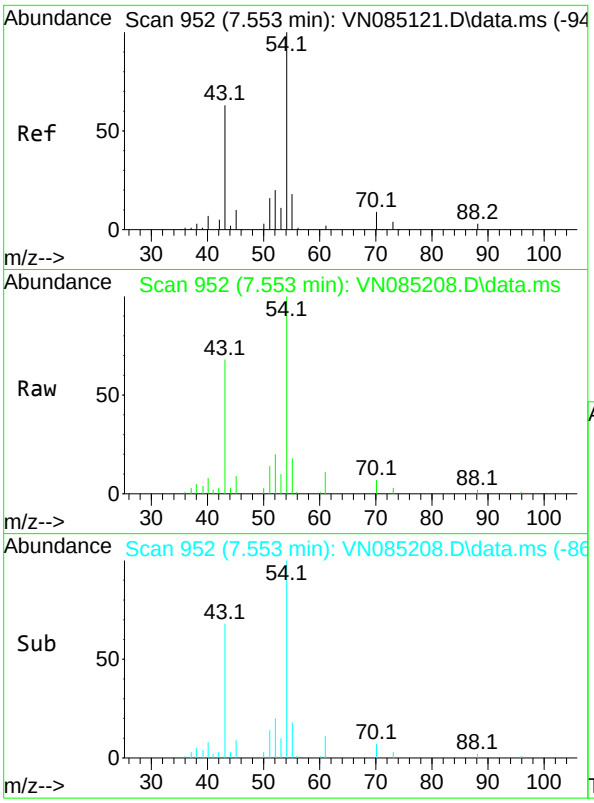


#42
Vinyl Acetate
Concen: 94.564 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 43 Resp: 416125

Ion	Ratio	Lower	Upper
43	100		
86	11.3	9.2	13.8



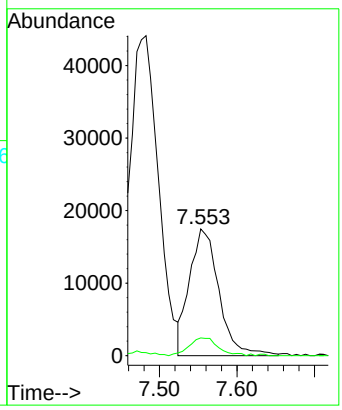


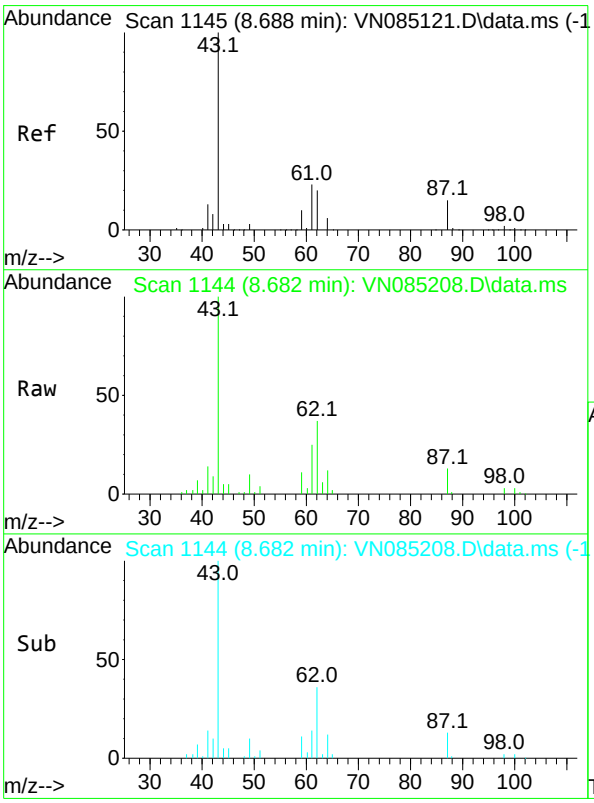
#43
Ethyl Acetate
Concen: 18.415 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 43 Resp: 46077

Ion	Ratio	Lower	Upper
43	100		
45	13.3	13.3	19.9

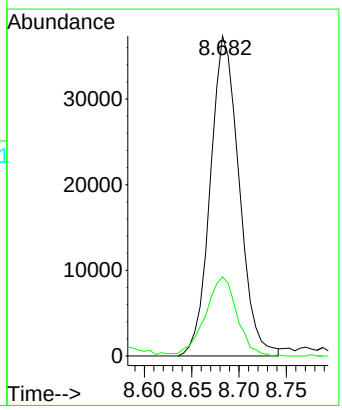


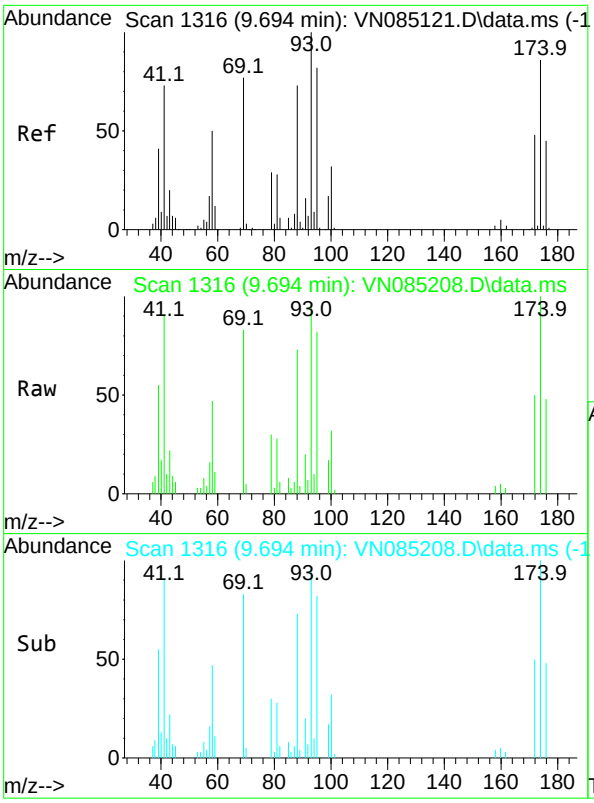


#44
Isopropyl Acetate
Concen: 18.196 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 43 Resp: 79121

Ion	Ratio	Lower	Upper
43	100		
61	27.0	21.5	32.3



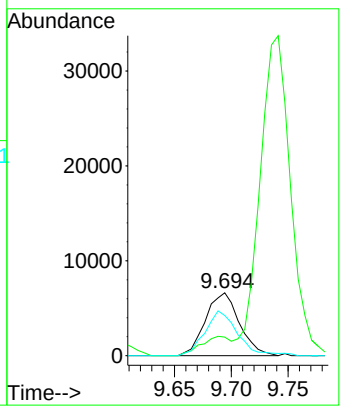


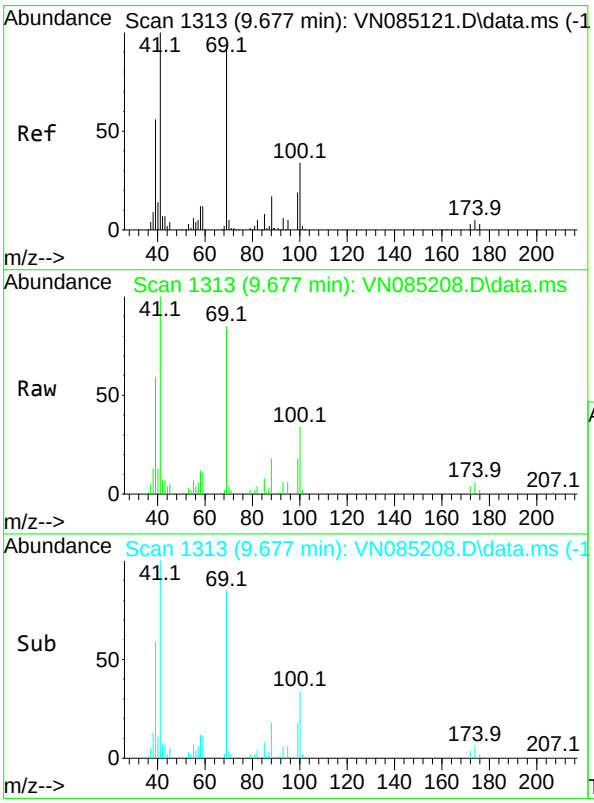
#45
1,4-Dioxane
Concen: 379.179 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 88 Resp: 13749

Ion	Ratio	Lower	Upper
88	100		
43	27.0	21.7	32.5
58	67.7	52.6	79.0

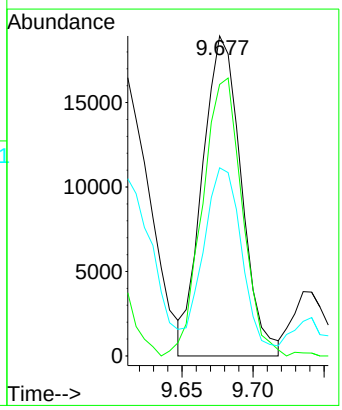


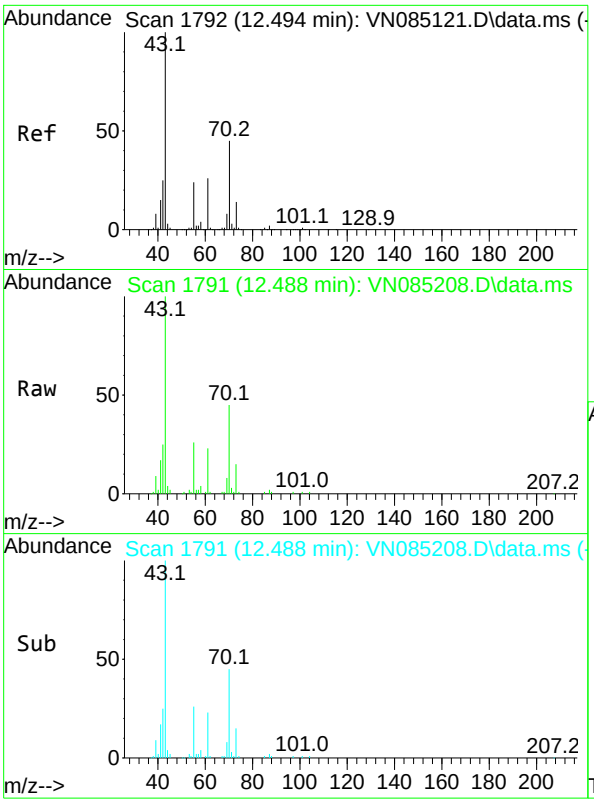


#46
Methyl methacrylate
Concen: 18.146 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 41 Resp: 36110

Ion	Ratio	Lower	Upper
41	100		
69	87.0	46.7	140.0
39	58.4	28.5	85.5



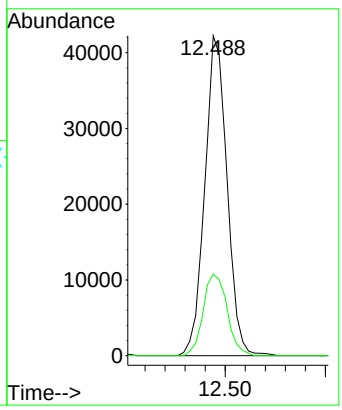


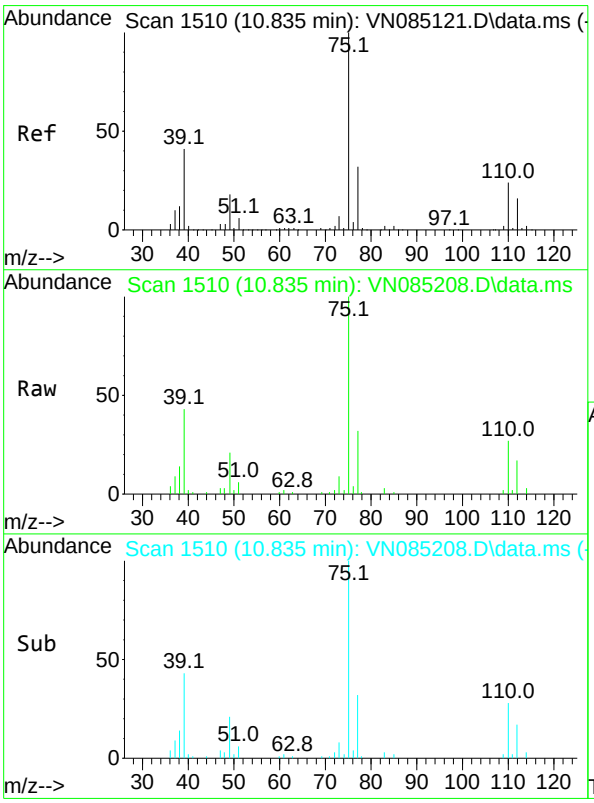
#47
n-amyl Acetate
Concen: 17.803 ug/l
RT: 12.488 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 43 Resp: 65132

Ion	Ratio	Lower	Upper
43	100		
55	27.5	23.3	34.9

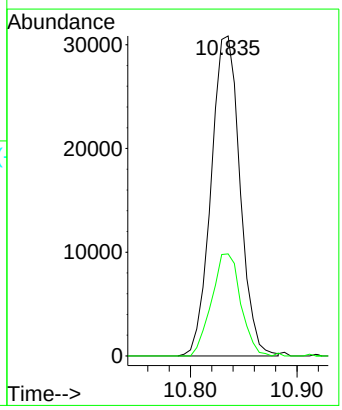


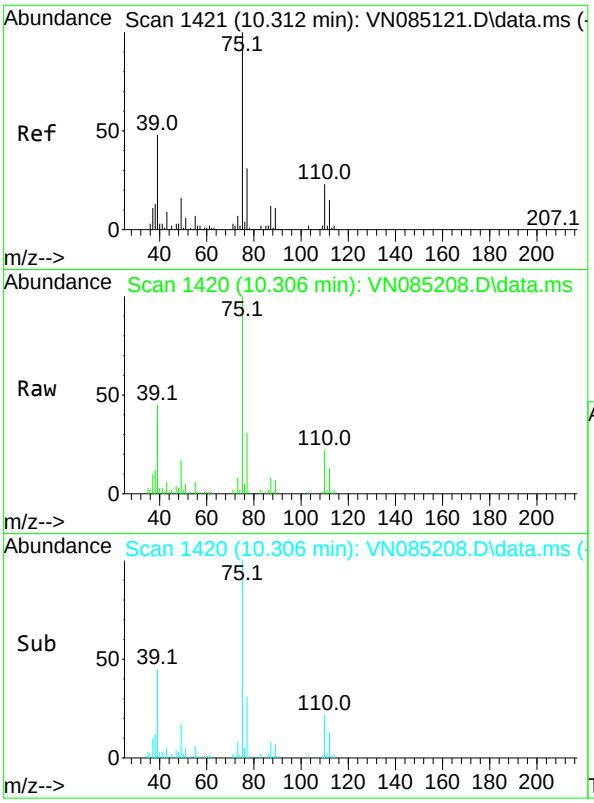


#48
t-1,3-Dichloropropene
Concen: 18.453 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 75 Resp: 57919

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3



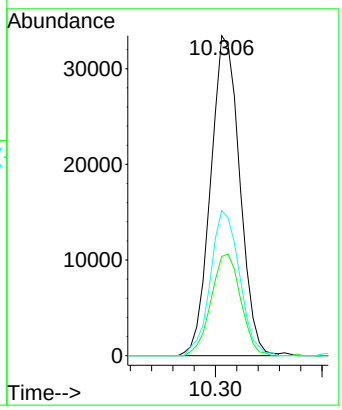


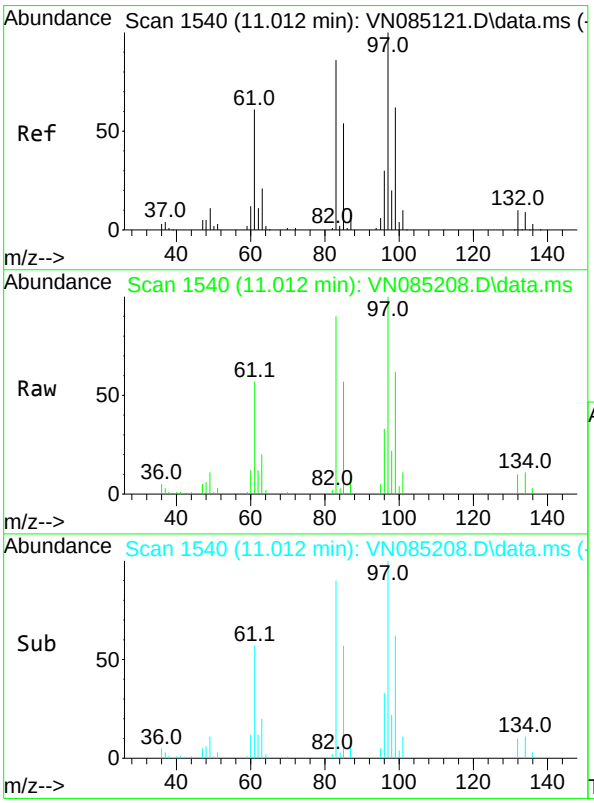
#49
cis-1,3-Dichloropropene
Concen: 18.535 ug/l
RT: 10.306 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 75 Resp: 63332

Ion	Ratio	Lower	Upper
75	100		
77	31.0	23.8	35.6
39	45.4	37.3	55.9

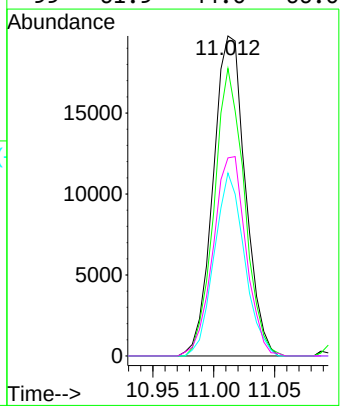


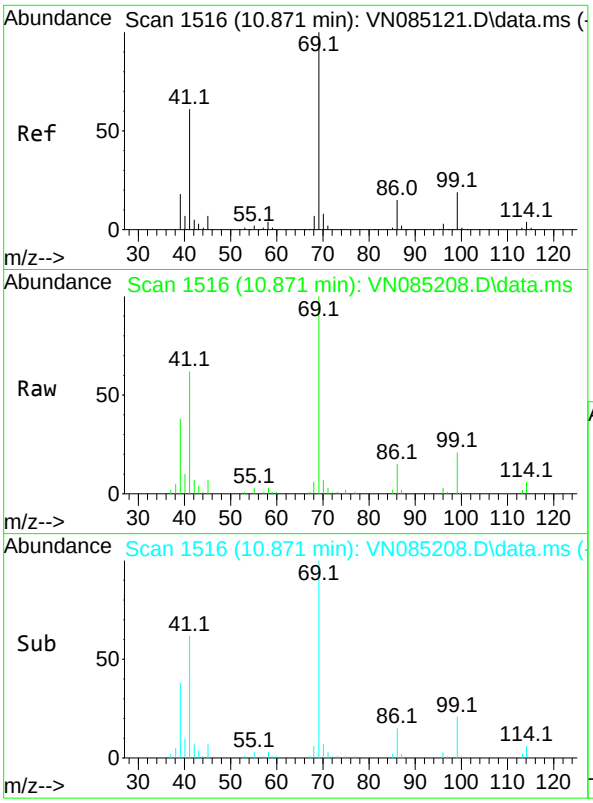


#50
1,1,2-Trichloroethane
Concen: 18.046 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 97 Resp: 36370

Ion	Ratio	Lower	Upper
97	100		
83	89.8	65.8	98.8
85	57.1	40.8	61.2
99	61.9	44.0	66.0



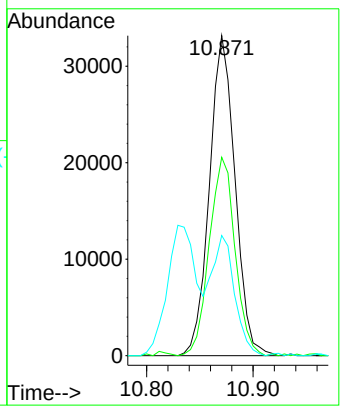


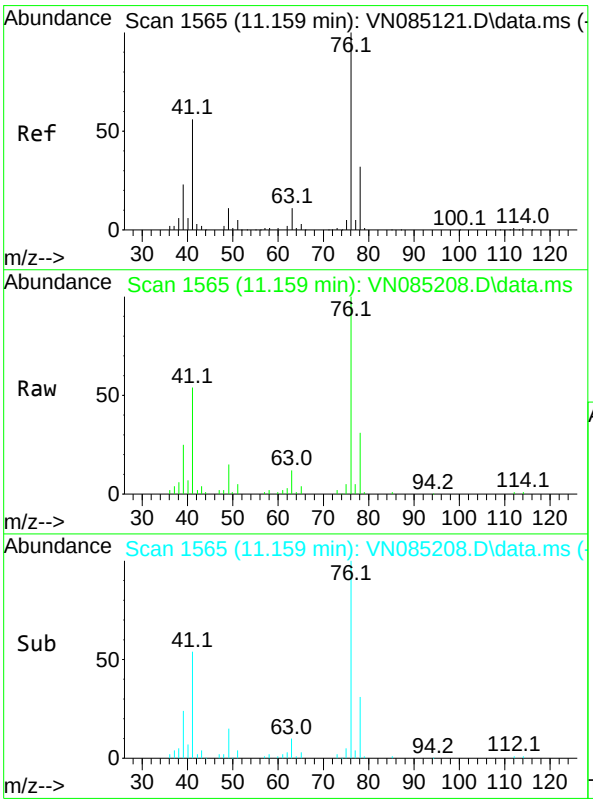
#51
Ethyl methacrylate
Concen: 18.076 ug/l
RT: 10.871 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 69 Resp: 55409

Ion	Ratio	Lower	Upper
69	100		
41	62.0	32.1	96.3
39	36.8	18.8	56.4

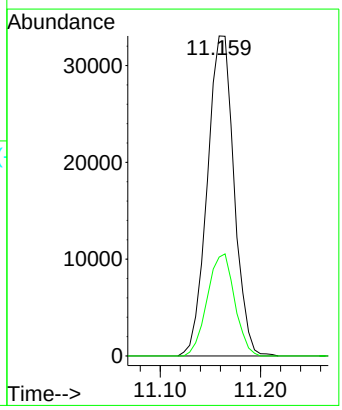


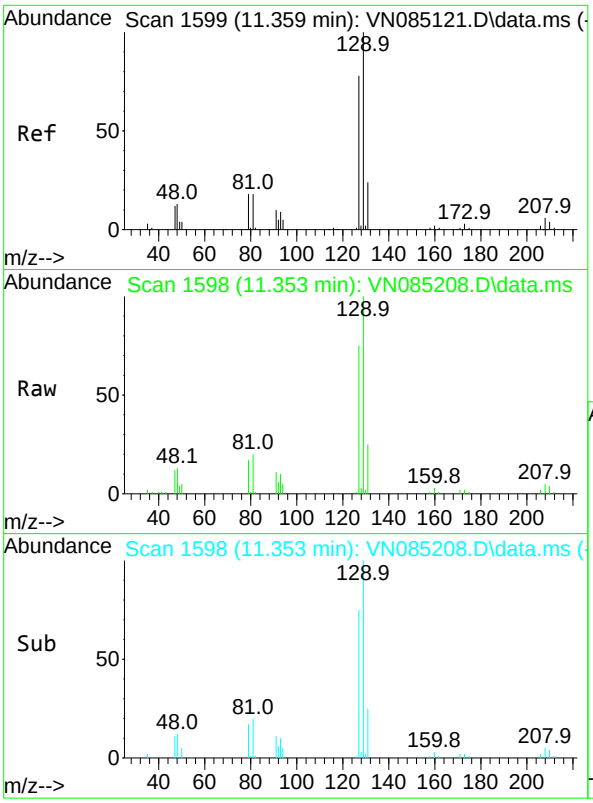


#52
1,3-Dichloropropane
Concen: 18.210 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 76 Resp: 61421

Ion	Ratio	Lower	Upper
76	100		
78	32.5	0.0	65.6



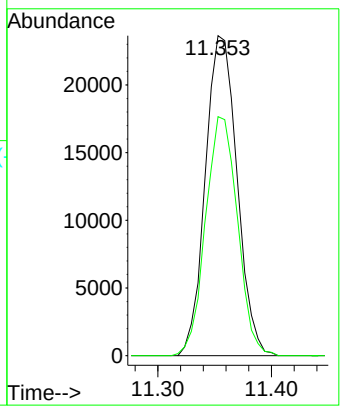


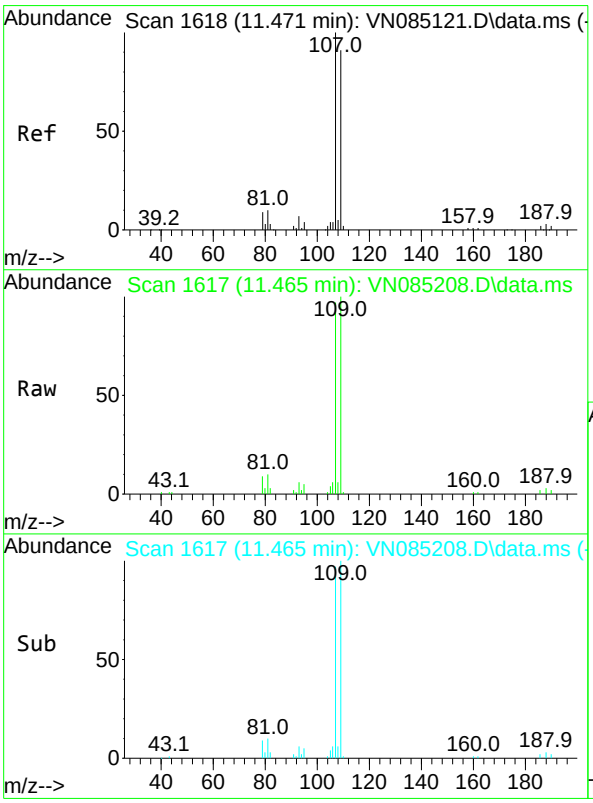
#53
Dibromochloromethane
Concen: 18.708 ug/l
RT: 11.353 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:129 Resp: 45949

Ion	Ratio	Lower	Upper
129	100		
127	75.2	37.3	111.9

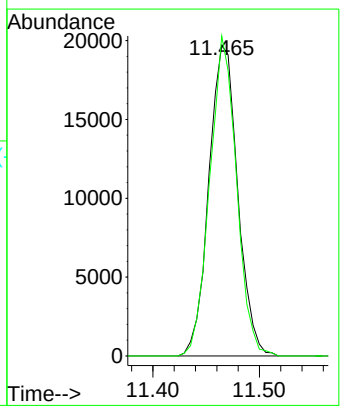


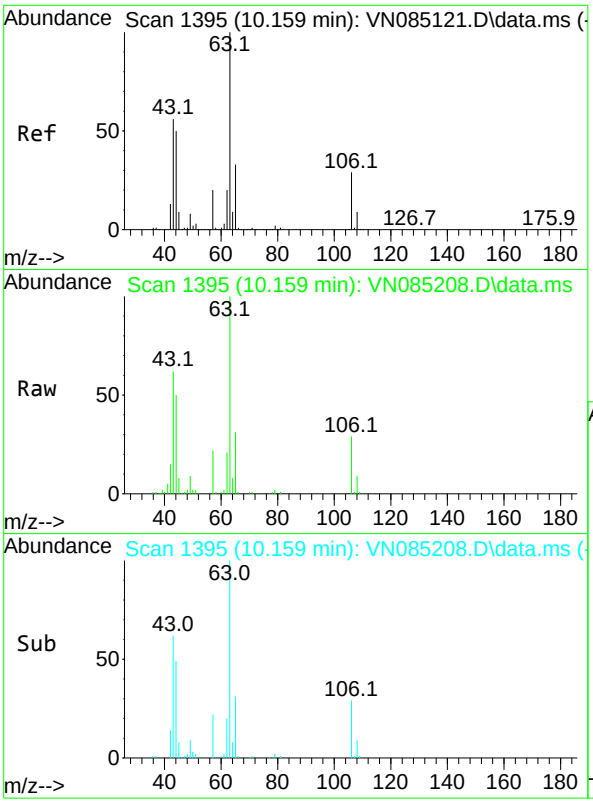


#54
1,2-Dibromoethane
Concen: 18.272 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:107 Resp: 37104

Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.2	112.8



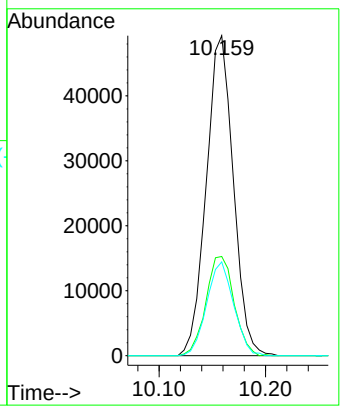


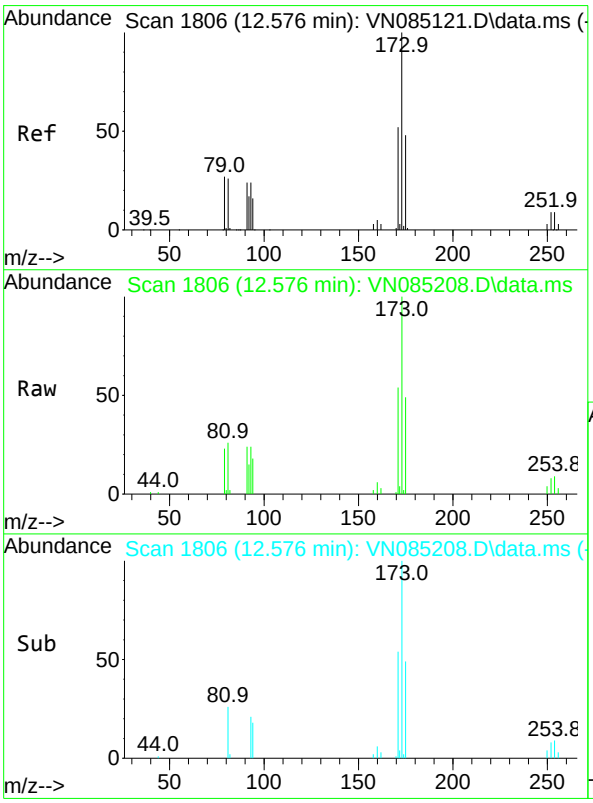
#55
2-Chloroethyl vinyl ether
Concen: 61.005 ug/l
RT: 10.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 63 Resp: 86871

Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.9	38.9
106	29.3	23.5	35.3

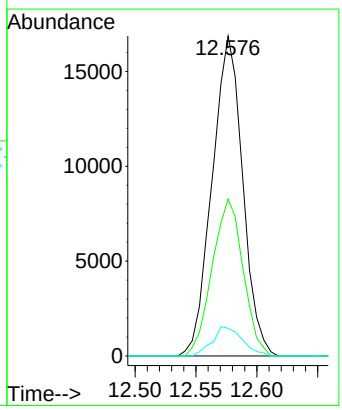


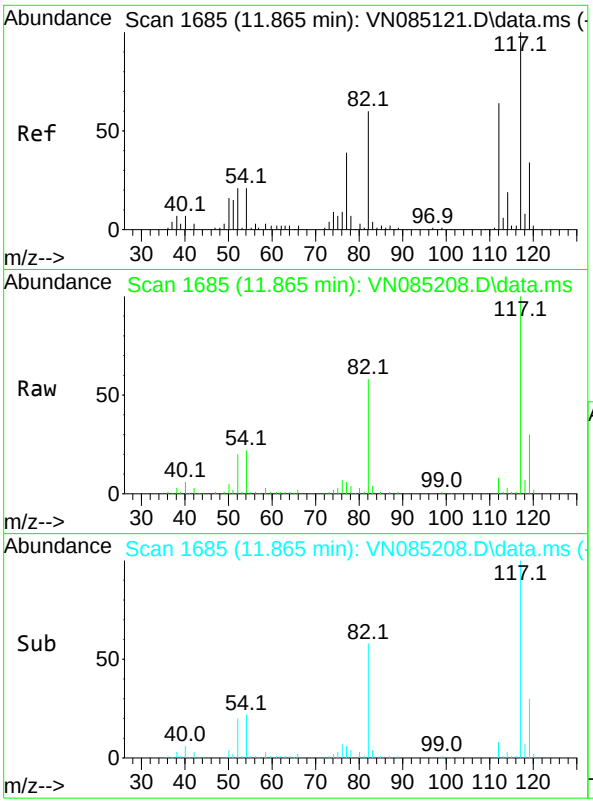


#56
Bromoform
Concen: 17.887 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:173 Resp: 29455

Ion	Ratio	Lower	Upper
173	100		
175	49.6	40.2	60.2
254	9.0	6.2	9.4



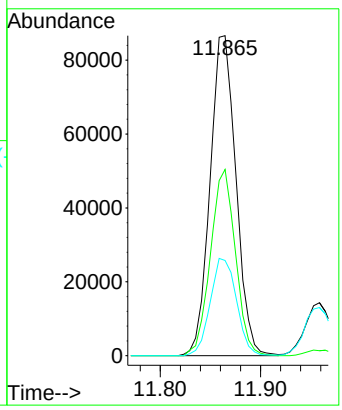


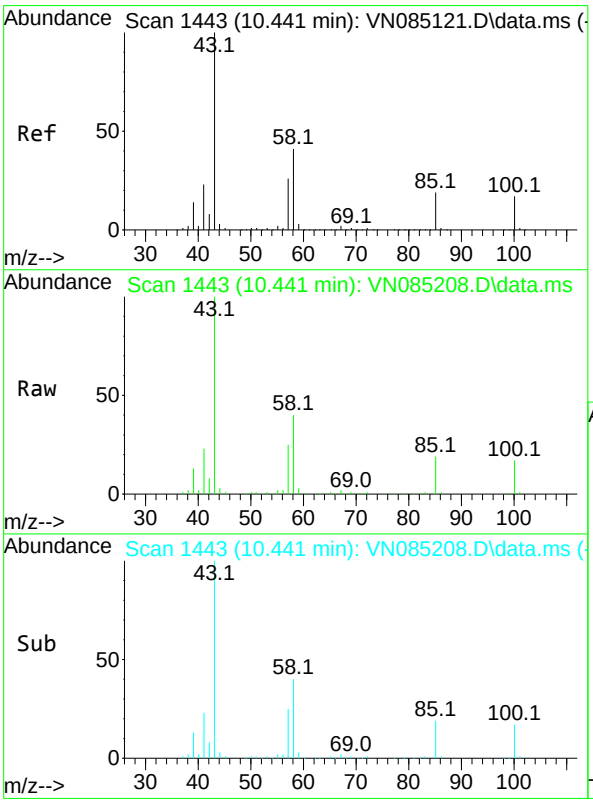
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:117 Resp: 155663

Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.2	66.4
119	30.8	25.4	38.2

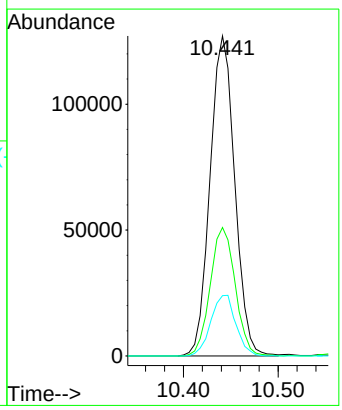


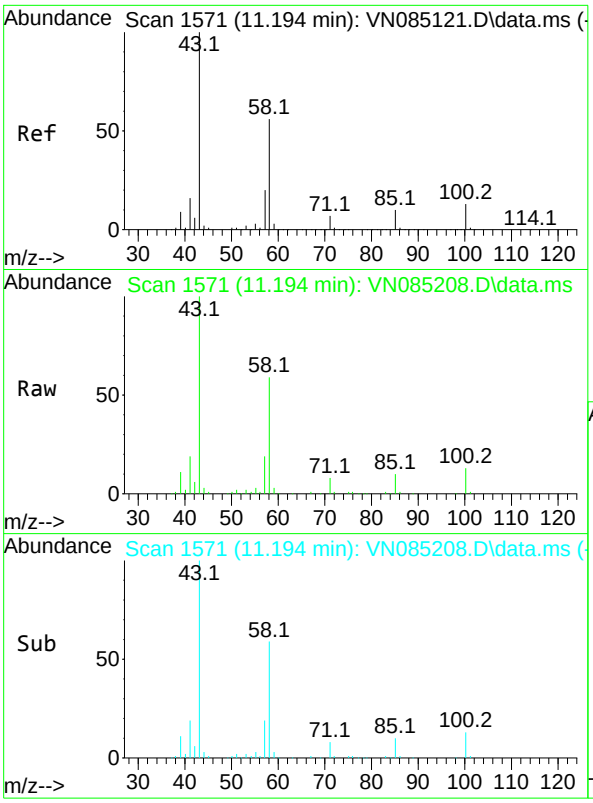


#58
4-Methyl-2-Pentanone
Concen: 90.751 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 43 Resp: 230551

Ion	Ratio	Lower	Upper
43	100		
58	40.6	31.6	47.4
85	19.2	15.0	22.6



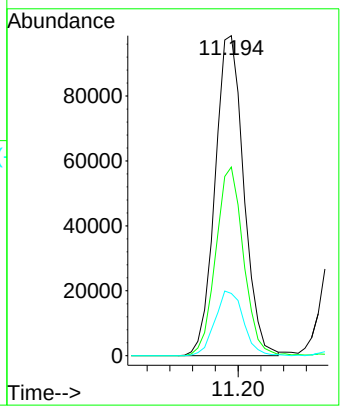


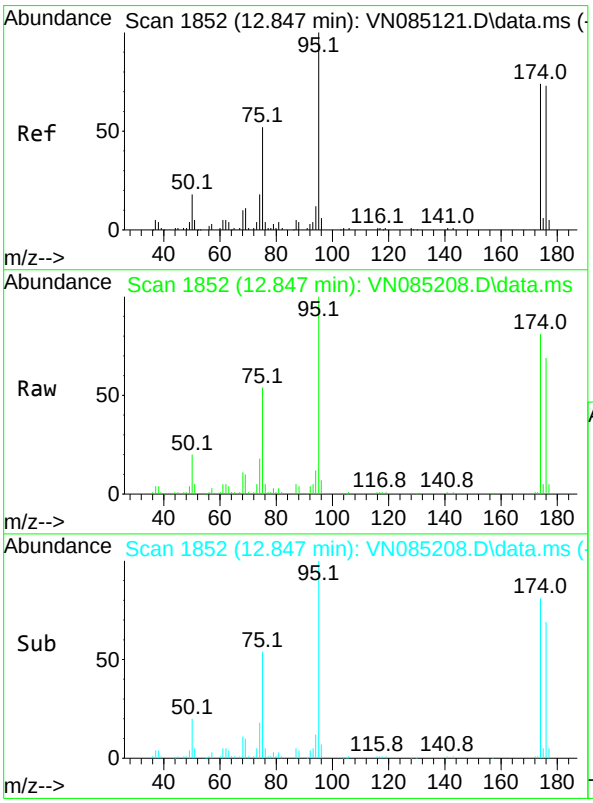
#59
2-Hexanone
Concen: 89.701 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 43 Resp: 172668

Ion	Ratio	Lower	Upper
43	100		
58	56.9	43.6	65.4
57	20.0	15.4	23.0

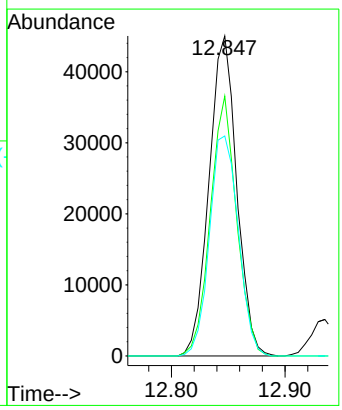


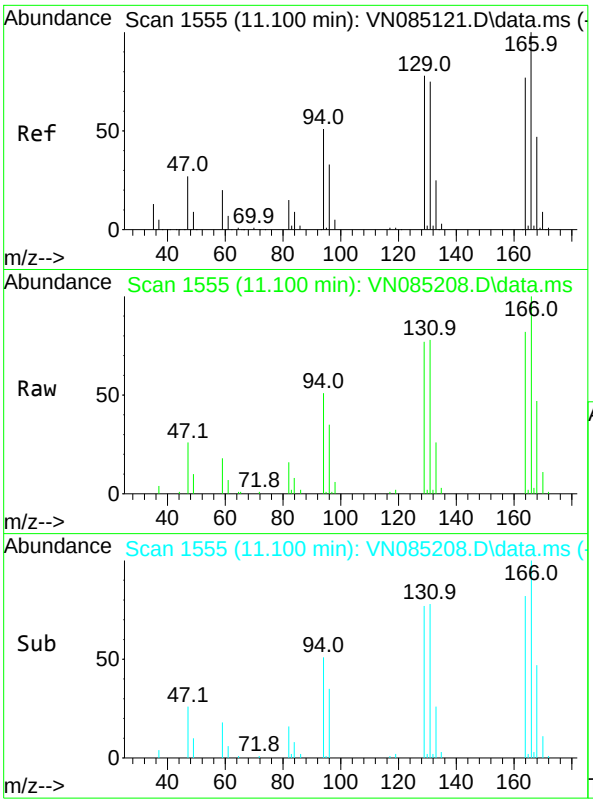


#60
4-Bromofluorobenzene
Concen: 29.655 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 95 Resp: 76379

Ion	Ratio	Lower	Upper
95	100		
174	77.0	60.3	90.5
176	71.5	57.4	86.0



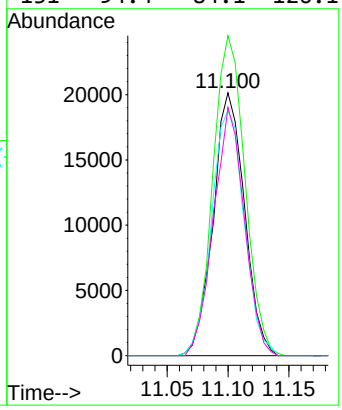


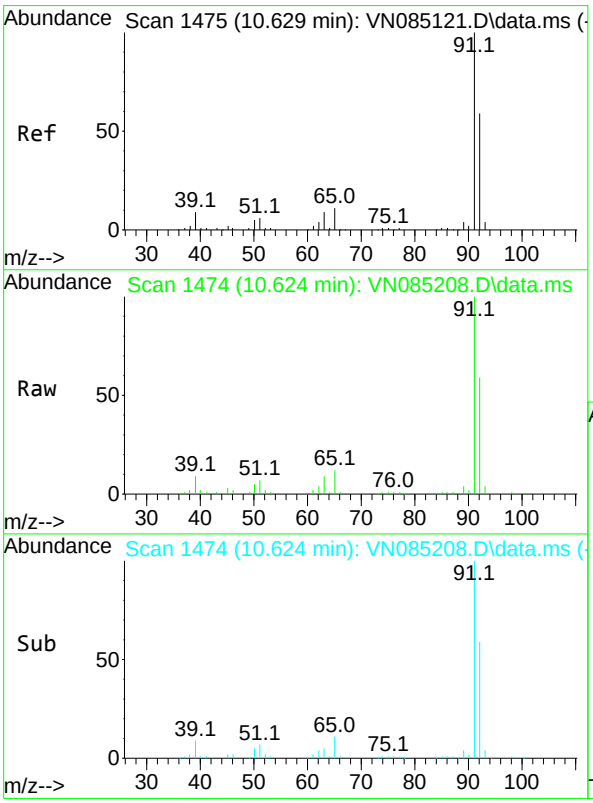
#61
Tetrachloroethene
Concen: 19.138 ug/l
RT: 11.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:164 Resp: 36077

Ion	Ratio	Lower	Upper
164	100		
166	121.7	103.8	155.8
129	93.2	84.2	126.4
131	94.4	84.1	126.1

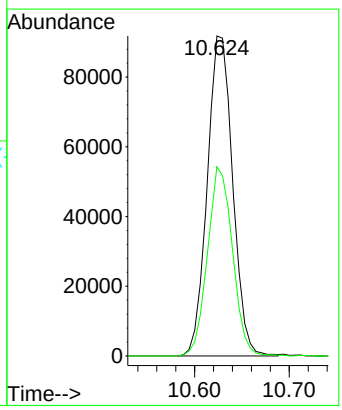


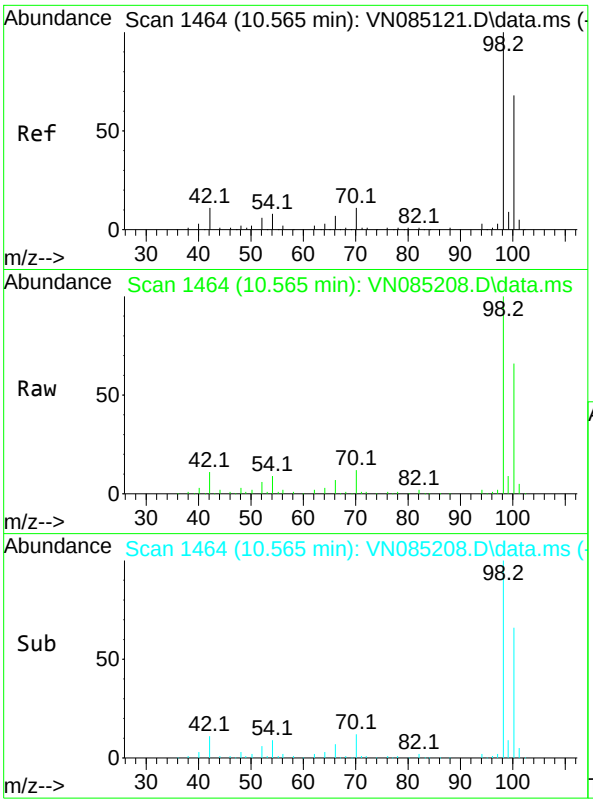


#62
Toluene
Concen: 18.900 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 91 Resp: 171579

Ion	Ratio	Lower	Upper
91	100		
92	58.1	46.5	69.7



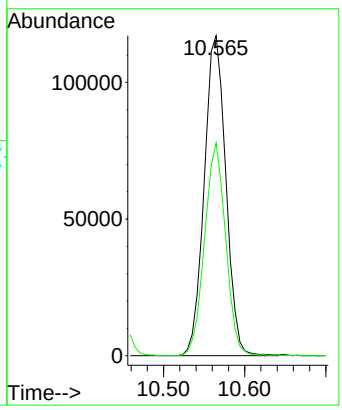


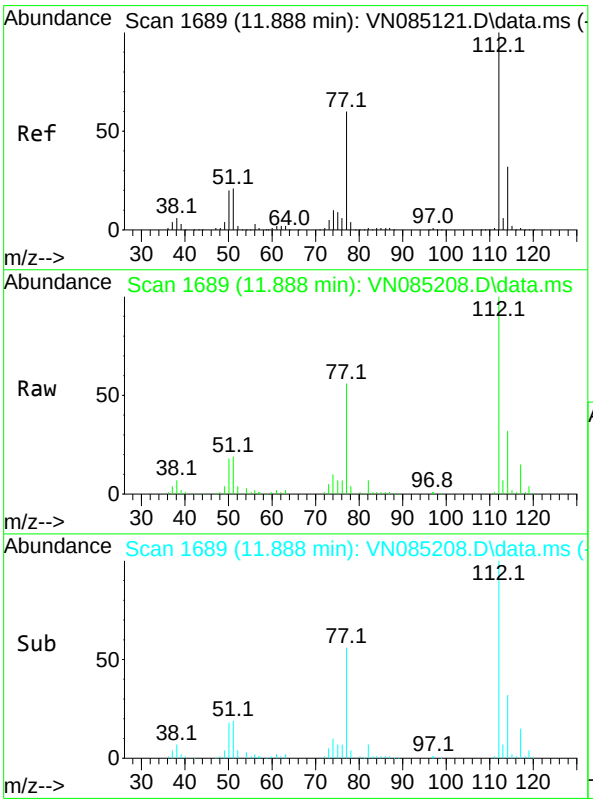
#63
Toluene-d8
Concen: 29.671 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 98 Resp: 216652

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.0	78.0

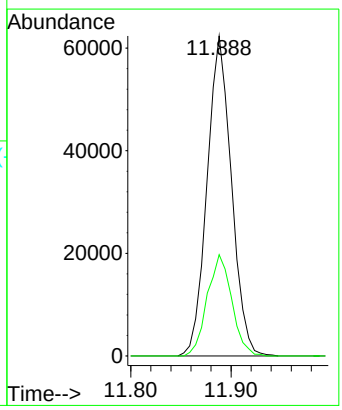


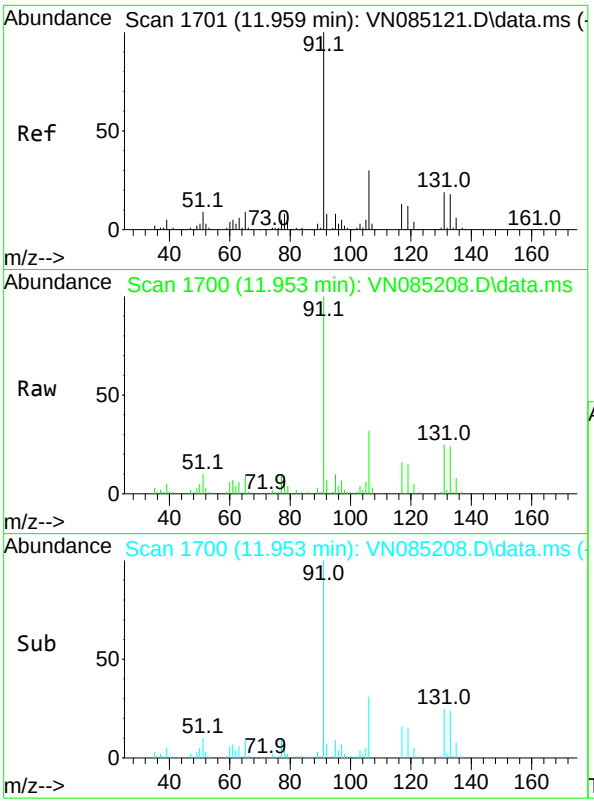


#64
Chlorobenzene
Concen: 18.744 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:112 Resp: 105060

Ion	Ratio	Lower	Upper
112	100		
114	31.7	26.0	39.0



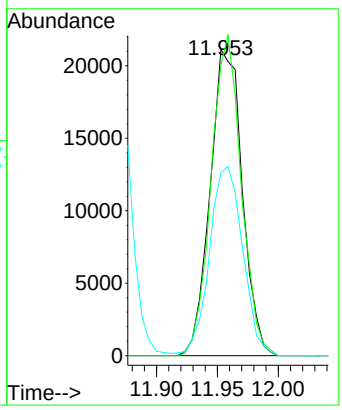


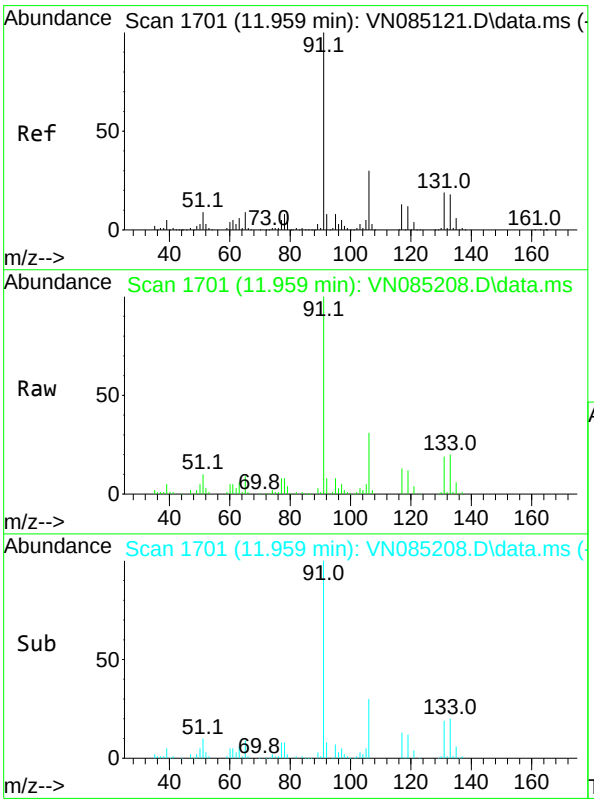
#65
1,1,1,2-Tetrachloroethane
Concen: 18.556 ug/l
RT: 11.953 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:131 Resp: 38827

Ion	Ratio	Lower	Upper
131	100		
133	98.0	0.0	194.0
119	63.7	0.0	131.8

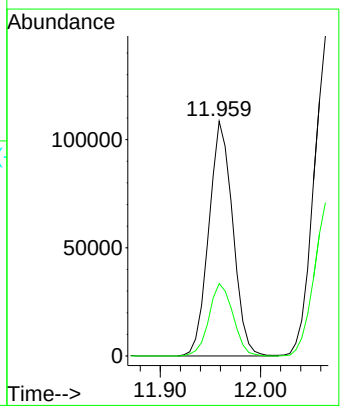


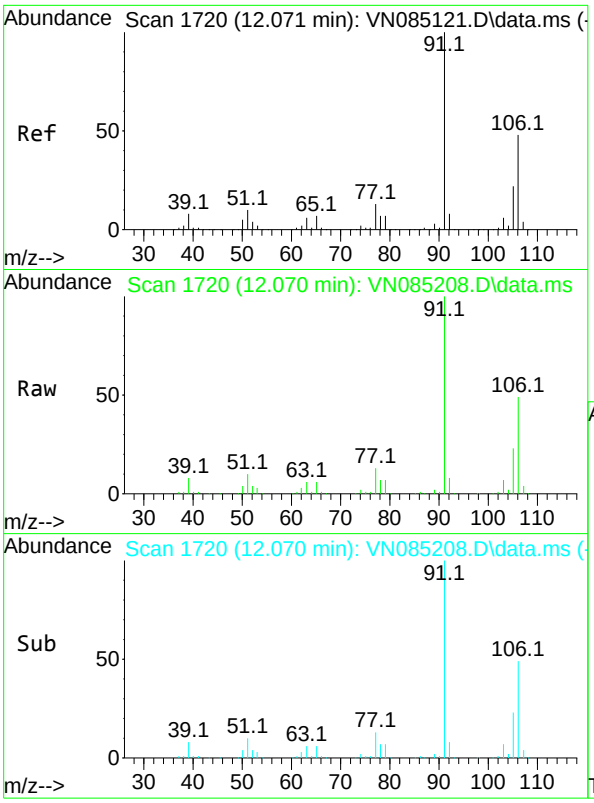


#66
Ethyl Benzene
Concen: 18.698 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 91 Resp: 180124

Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.1	34.7



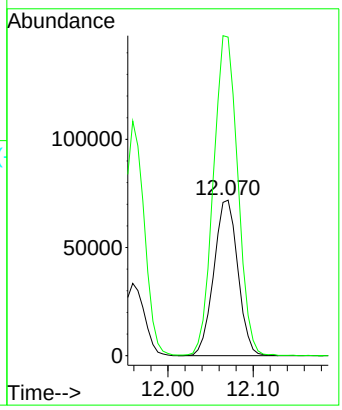


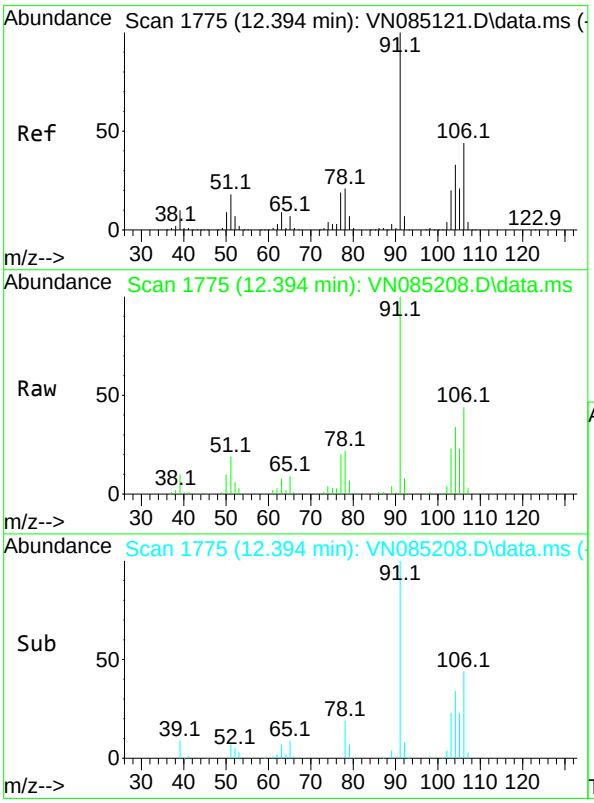
#67
m/p-Xylenes
Concen: 38.037 ug/l
RT: 12.070 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:106 Resp: 140933

Ion	Ratio	Lower	Upper
106	100		
91	208.6	165.0	247.4

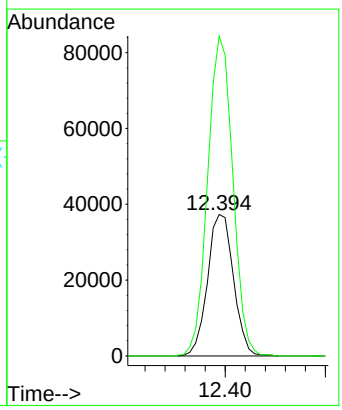


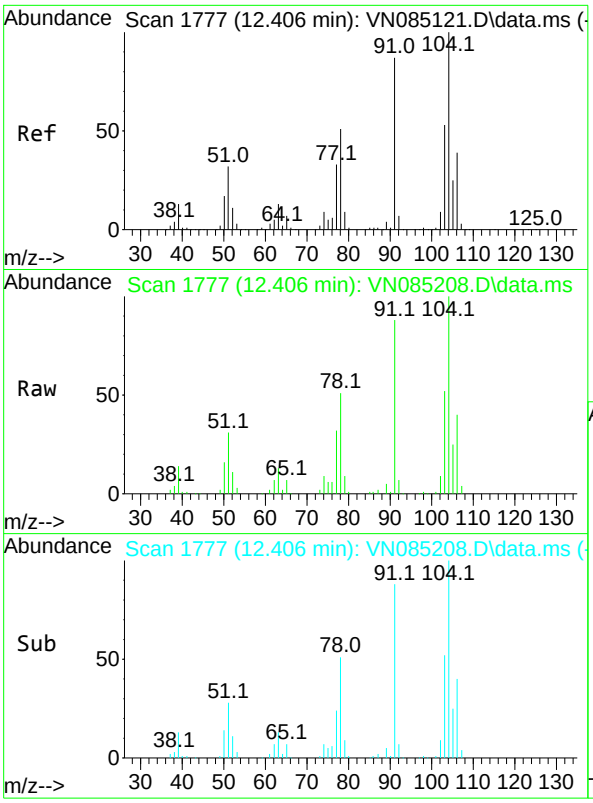


#68
o-Xylene
Concen: 19.229 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:106 Resp: 66910

Ion	Ratio	Lower	Upper
106	100		
91	219.0	112.1	336.4



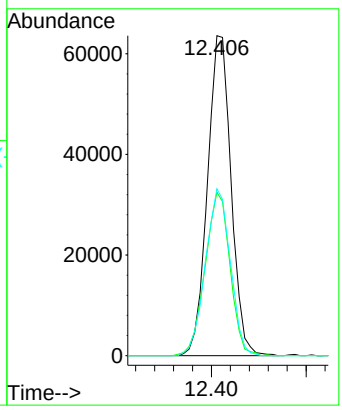


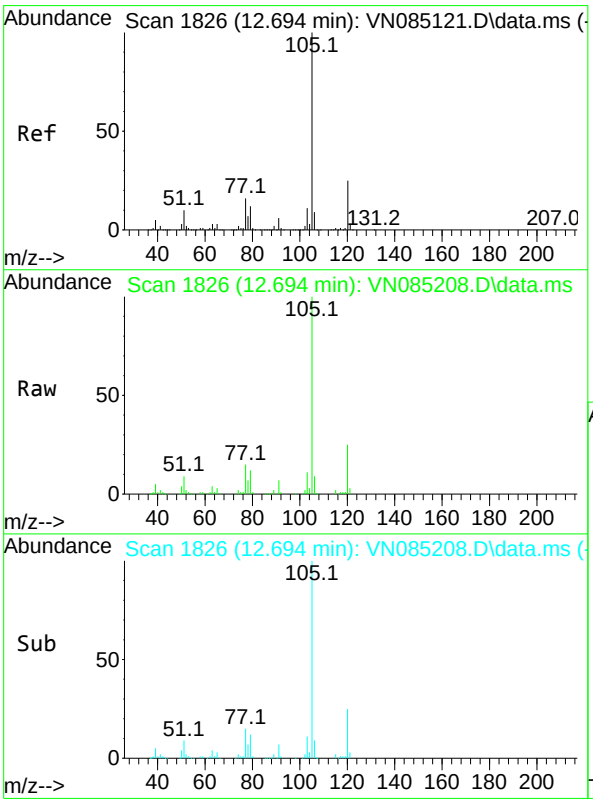
#69
Styrene
Concen: 18.651 ug/l
RT: 12.406 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:104 Resp: 110123

Ion	Ratio	Lower	Upper
104	100		
78	53.6	42.3	63.5
103	55.0	44.4	66.6

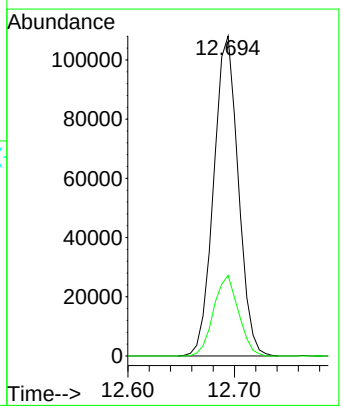


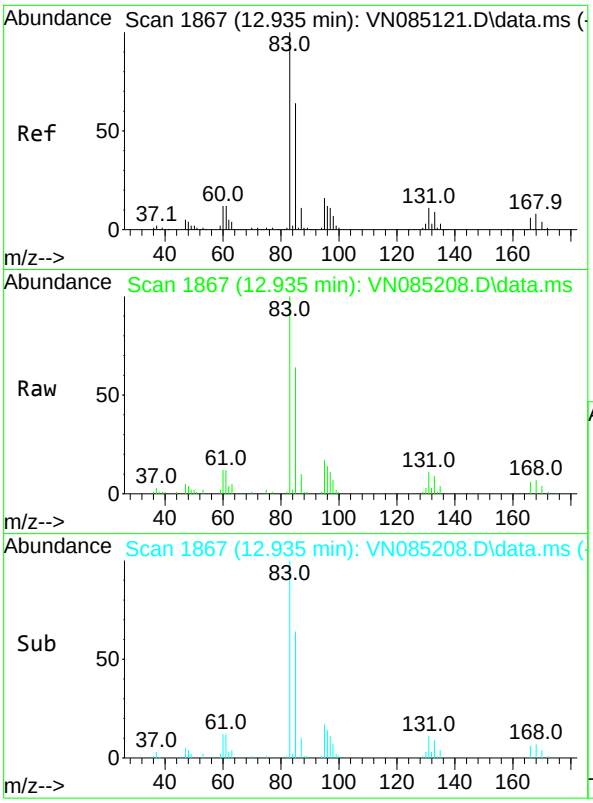


#70
Isopropylbenzene
Concen: 19.264 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:105 Resp: 172891

Ion	Ratio	Lower	Upper
105	100		
120	25.4	18.3	33.9



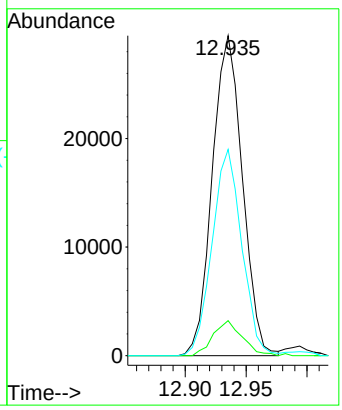


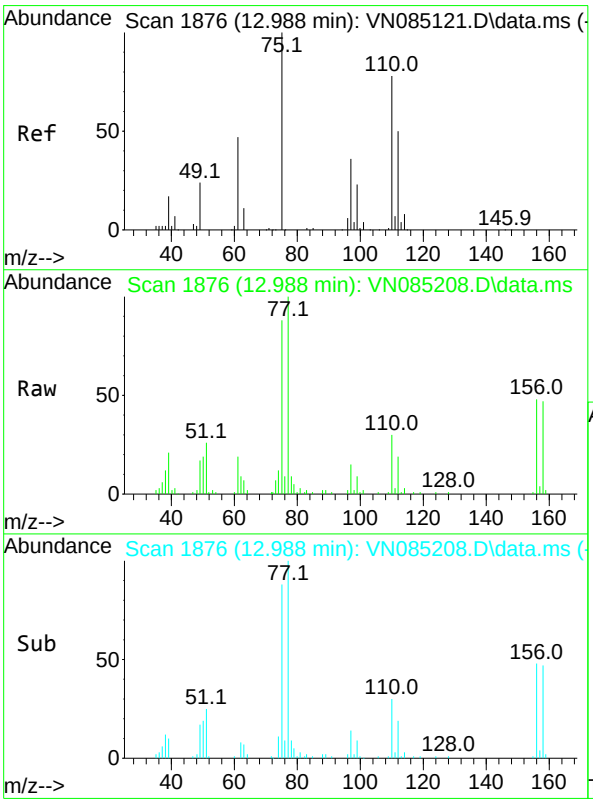
#71
1,1,2,2-Tetrachloroethane
Concen: 18.592 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 83 Resp: 50789

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.3
85	63.5	31.1	93.5

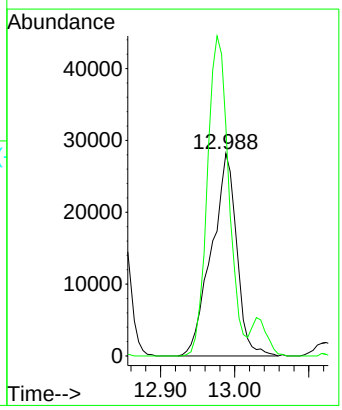


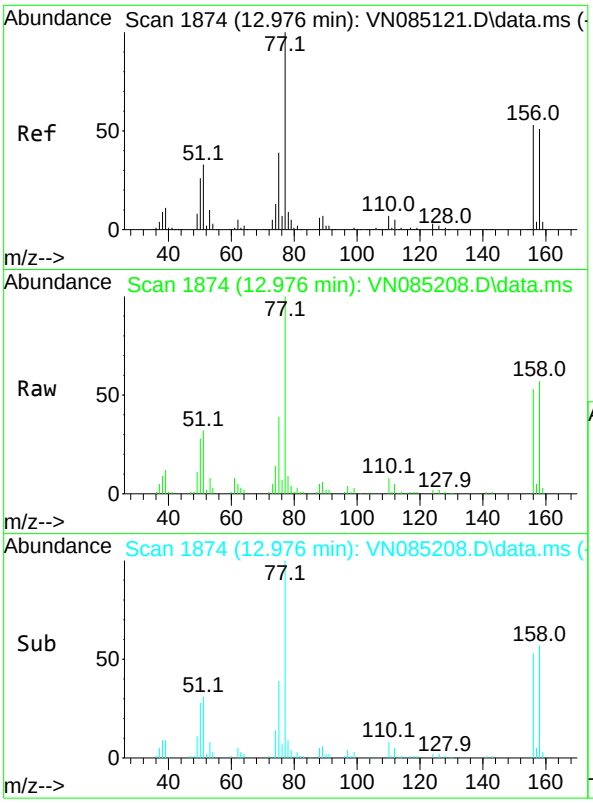


#72
1,2,3-Trichloropropane
Concen: 24.657 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 75 Resp: 66535

Ion	Ratio	Lower	Upper
75	100		
77	134.8	0.0	339.0



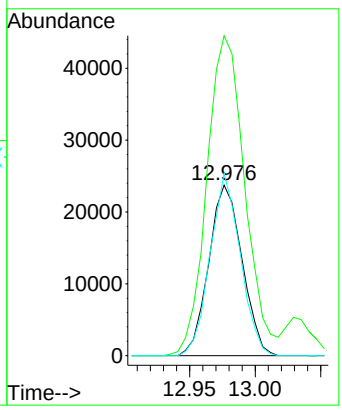


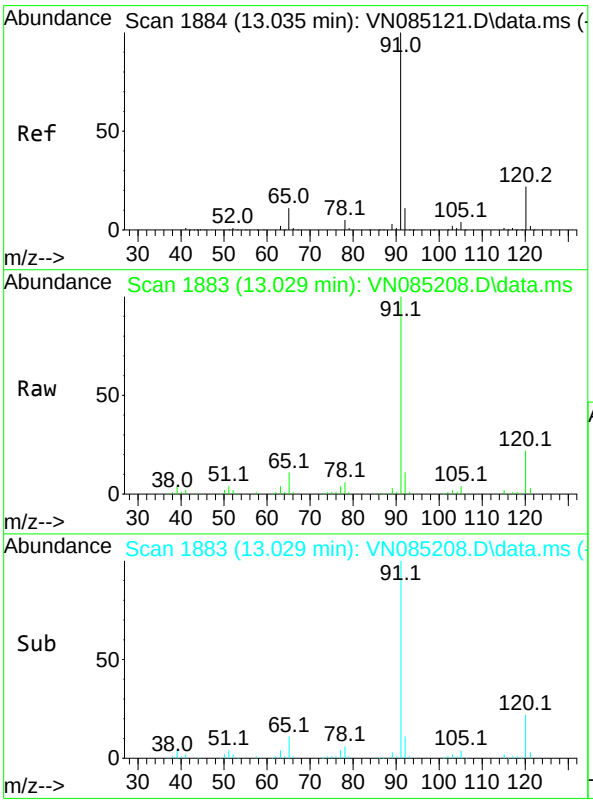
#73
Bromobenzene
Concen: 18.670 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:156 Resp: 41970

Ion	Ratio	Lower	Upper
156	100		
77	213.6	0.0	430.4
158	96.9	0.0	195.2

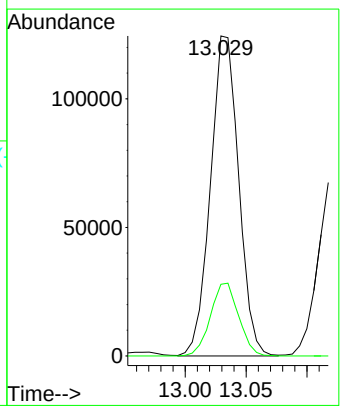


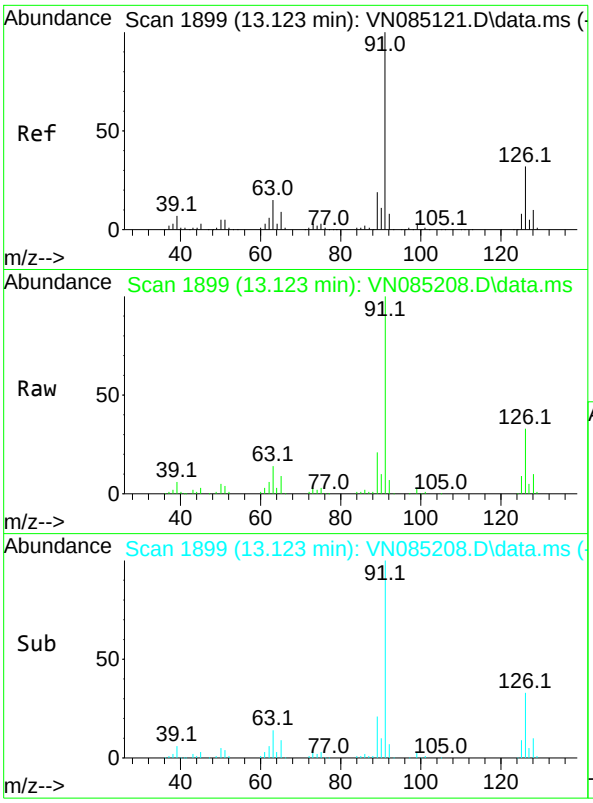


#74
n-propylbenzene
Concen: 18.628 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 91 Resp: 200993

Ion	Ratio	Lower	Upper
91	100		
120	22.7	0.0	44.0



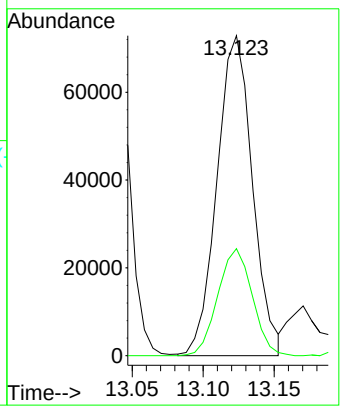


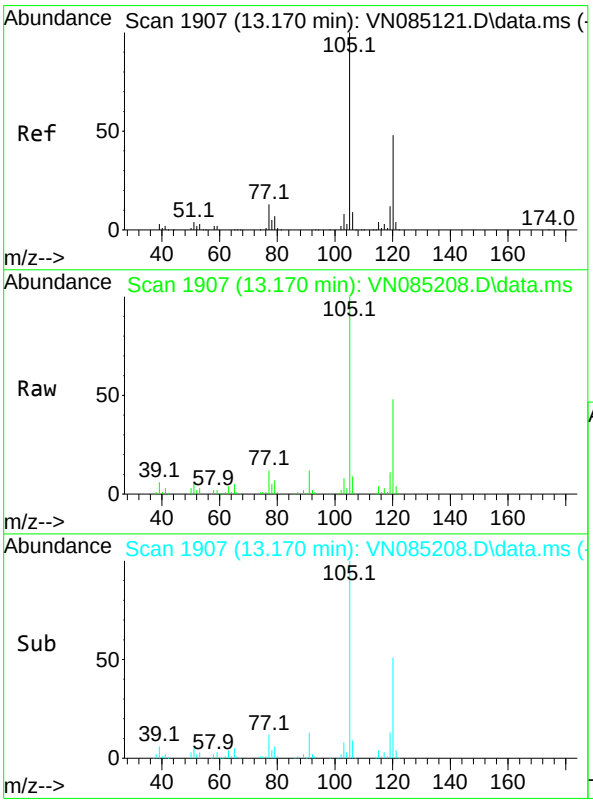
#75
2-Chlorotoluene
Concen: 18.991 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 91 Resp: 126691

Ion	Ratio	Lower	Upper
91	100		
126	32.4	0.0	64.2

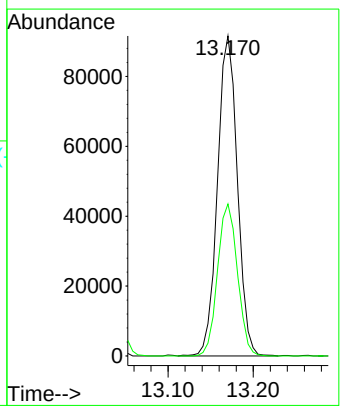


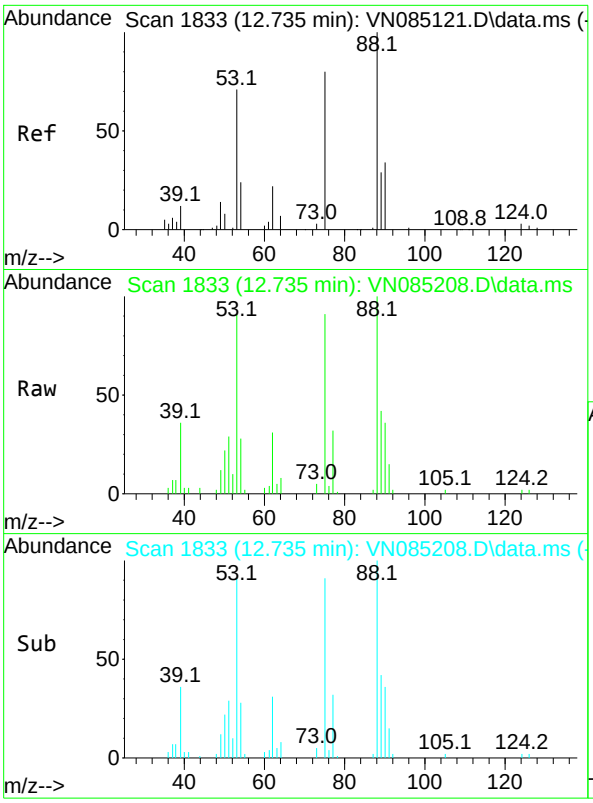


#76
1,3,5-Trimethylbenzene
Concen: 19.344 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:105 Resp: 148740

Ion	Ratio	Lower	Upper
105	100		
120	47.5	0.0	94.4



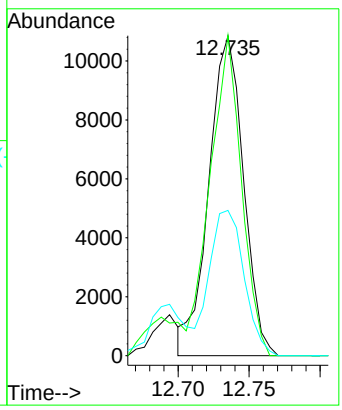


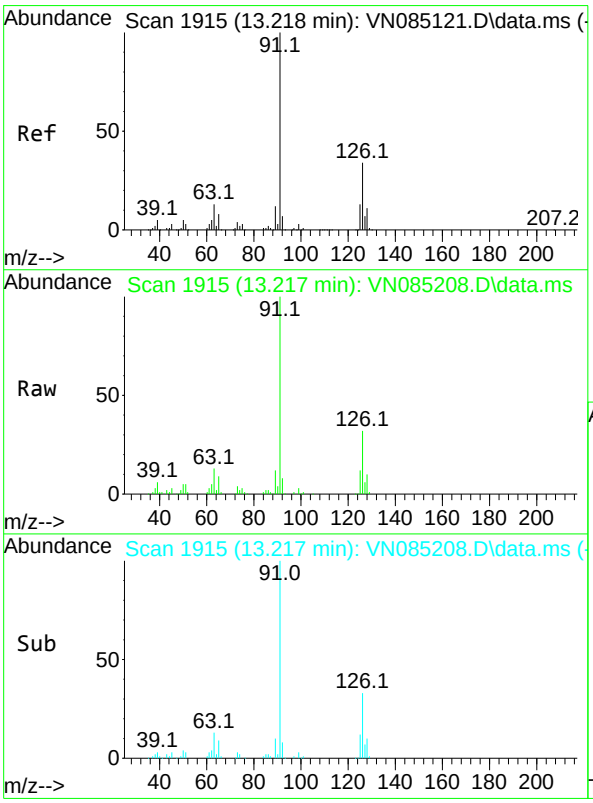
#77
t-1,4-Dichloro-2-butene
Concen: 18.768 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 75 Resp: 18403

Ion	Ratio	Lower	Upper
75	100		
53	100.1	49.1	147.3
89	45.4	22.9	68.5

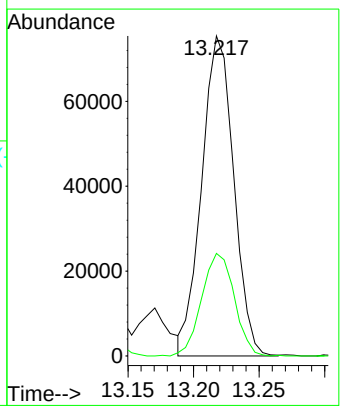


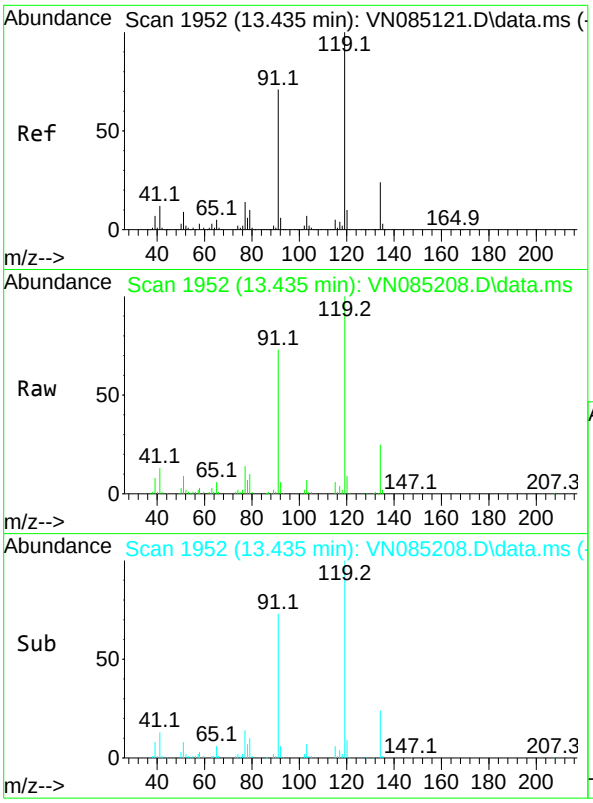


#78
4-Chlorotoluene
Concen: 18.901 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 91 Resp: 127983

Ion	Ratio	Lower	Upper
91	100		
126	32.6	0.0	64.4



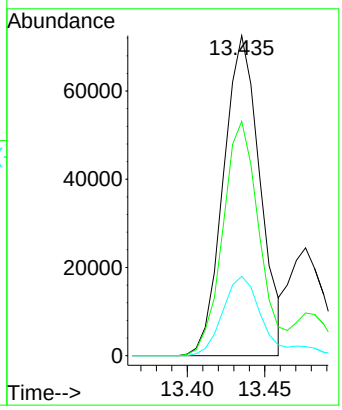


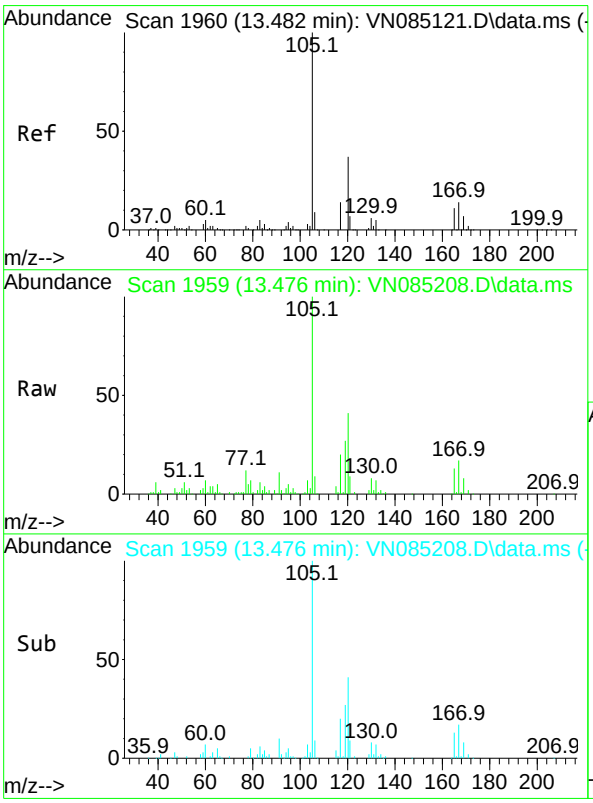
#79
tert-butylbenzene
Concen: 18.902 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:119 Resp: 119374

Ion	Ratio	Lower	Upper
119	100		
91	72.9	0.0	139.2
134	25.4	0.0	48.0

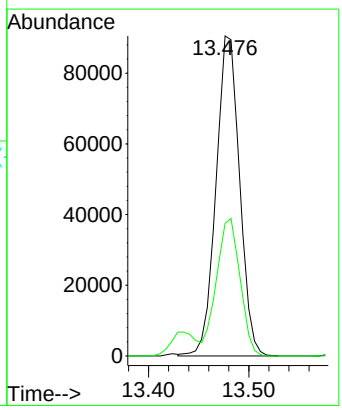


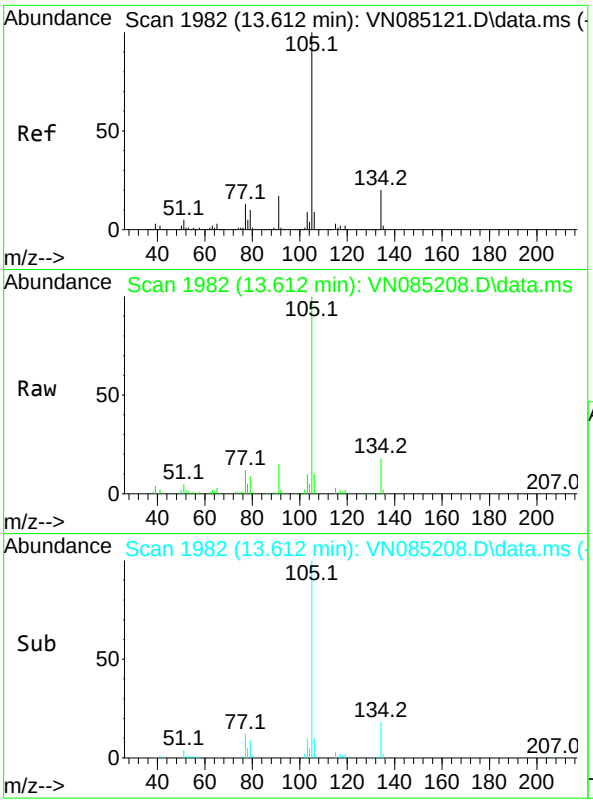


#80
1,2,4-Trimethylbenzene
Concen: 19.451 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:105 Resp: 147735

Ion	Ratio	Lower	Upper
105	100		
120	42.9	0.0	87.4



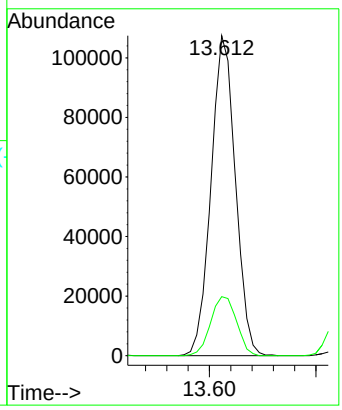


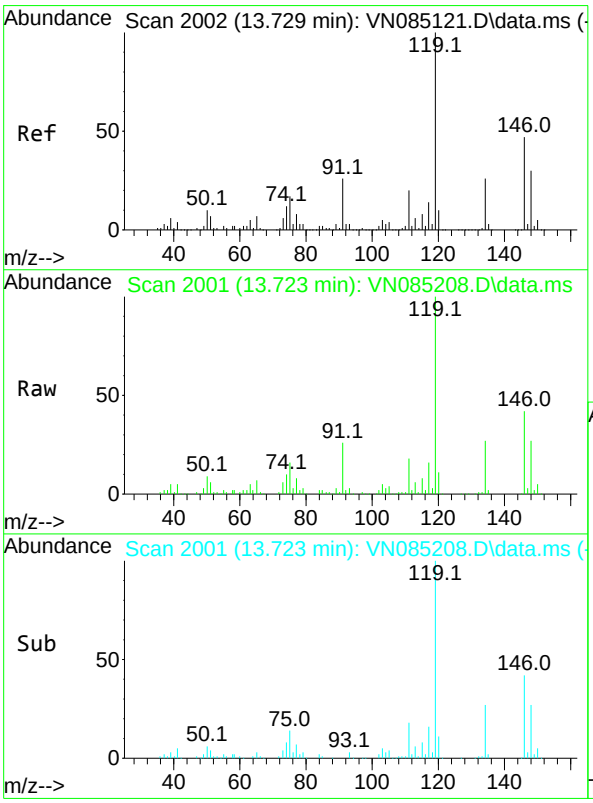
#81
sec-Butylbenzene
Concen: 19.039 ug/l
RT: 13.612 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:105 Resp: 170821

Ion	Ratio	Lower	Upper
105	100		
134	19.6	0.0	38.0

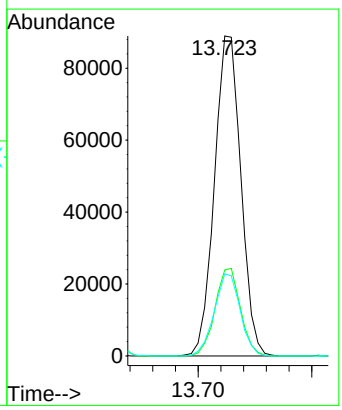


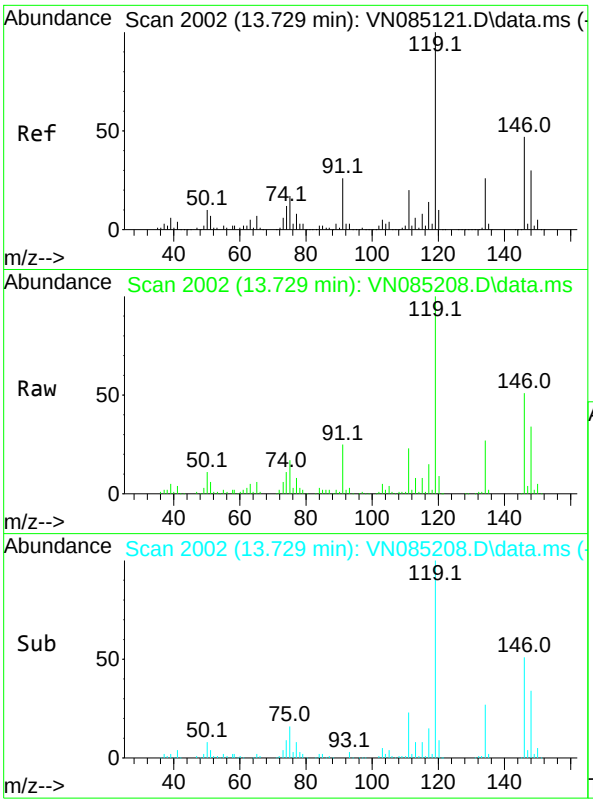


#82
p-Isopropyltoluene
Concen: 19.331 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:119 Resp: 143795

Ion	Ratio	Lower	Upper
119	100		
134	26.3	0.0	51.6
91	25.2	0.0	50.4



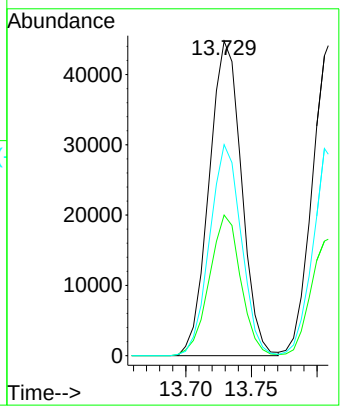


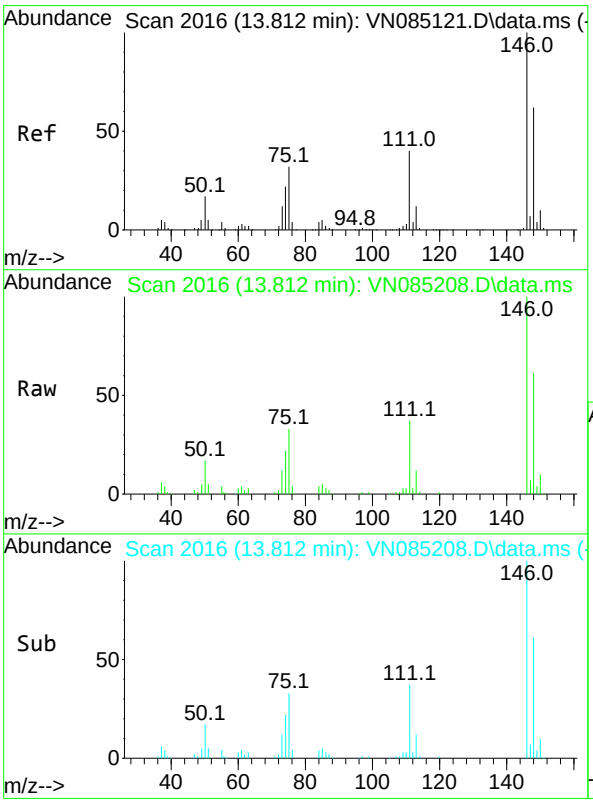
#83
1,3-Dichlorobenzene
Concen: 18.638 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:146 Resp: 76871

Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.1	63.3
148	65.5	31.8	95.3

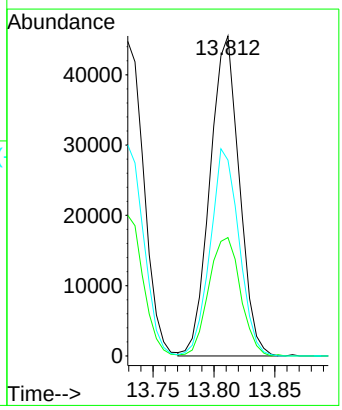


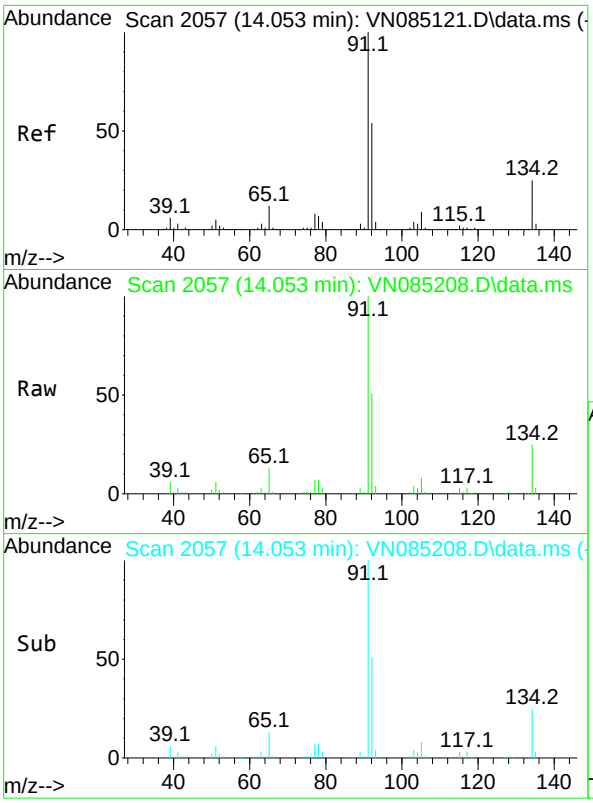


#84
1,4-Dichlorobenzene
Concen: 19.003 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:146 Resp: 76385

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.1	60.3
148	63.8	31.6	94.7



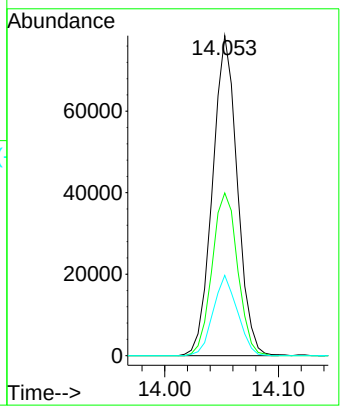


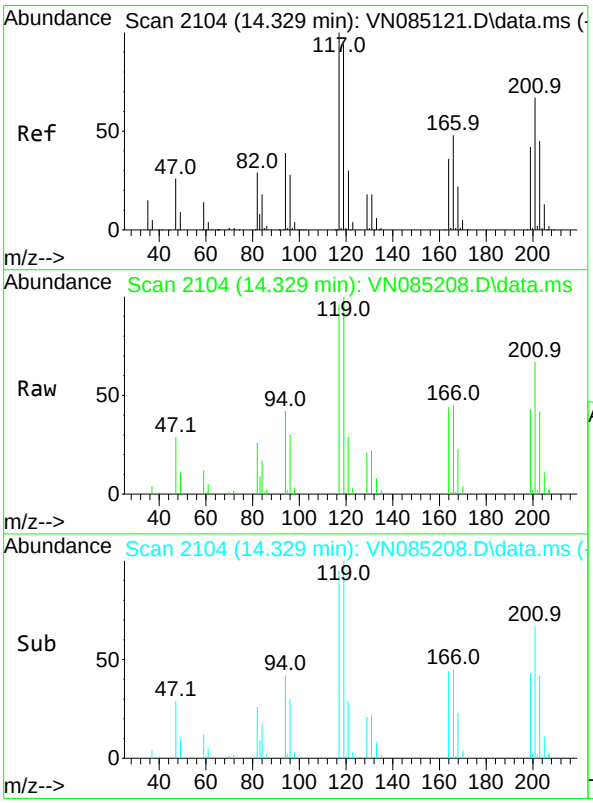
#85
n-Butylbenzene
Concen: 19.083 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion: 91 Resp: 119073

Ion	Ratio	Lower	Upper
91	100		
92	52.4	0.0	104.0
134	24.5	0.0	49.2

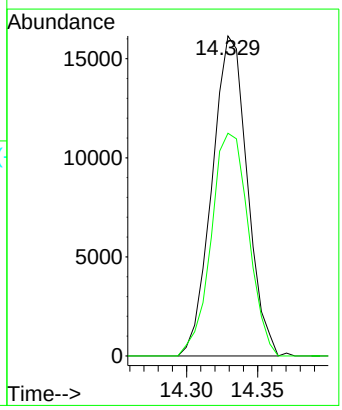


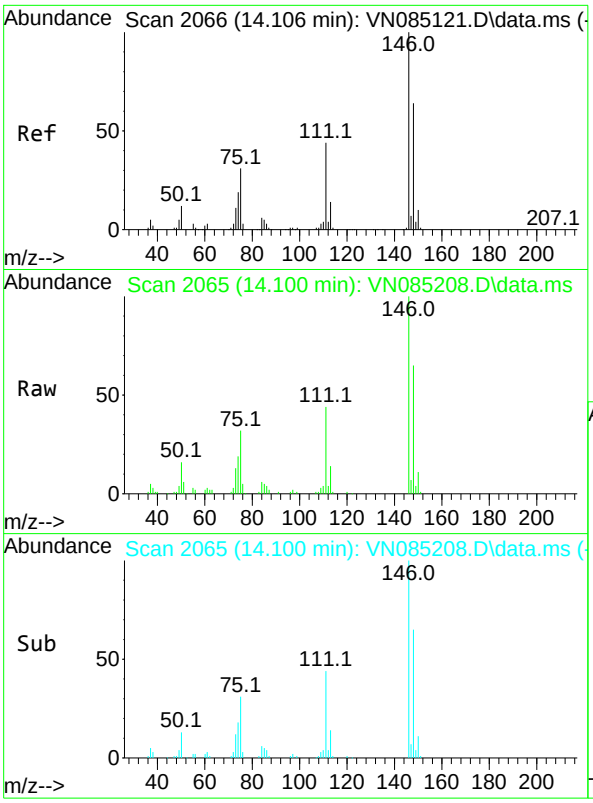


#86
Hexachloroethane
Concen: 18.824 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:117 Resp: 27875

Ion	Ratio	Lower	Upper
117	100		
201	73.5	34.1	102.3



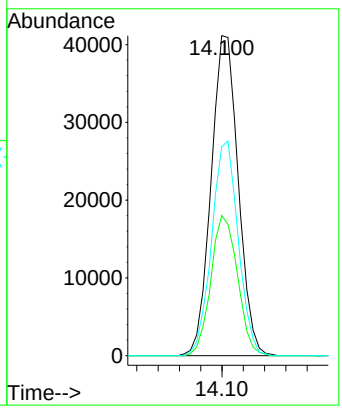


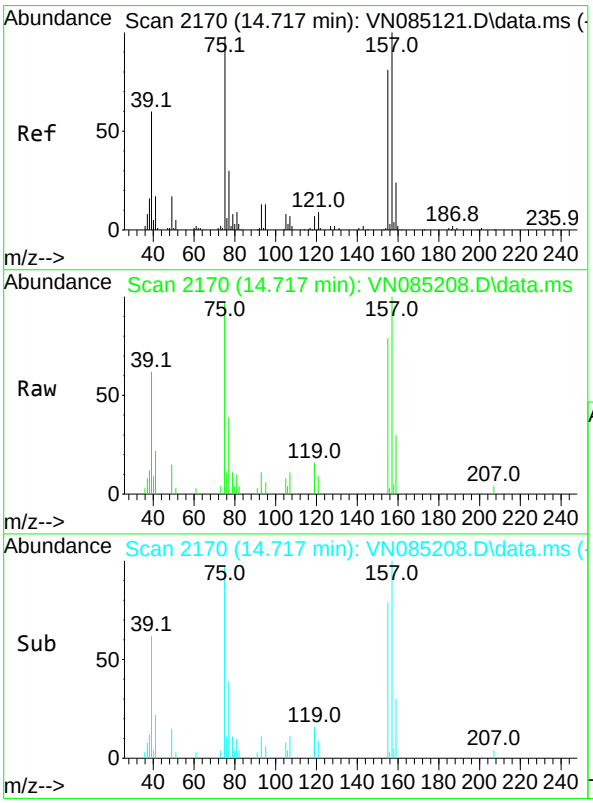
#87
1,2-Dichlorobenzene
Concen: 18.718 ug/l
RT: 14.100 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:146 Resp: 72871

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.9	65.7
148	65.6	32.4	97.0

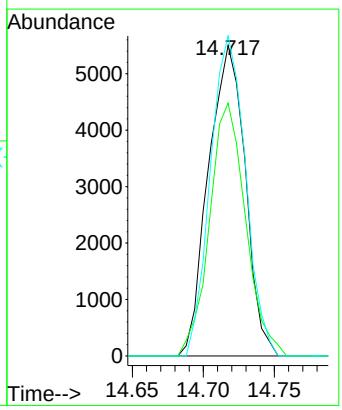


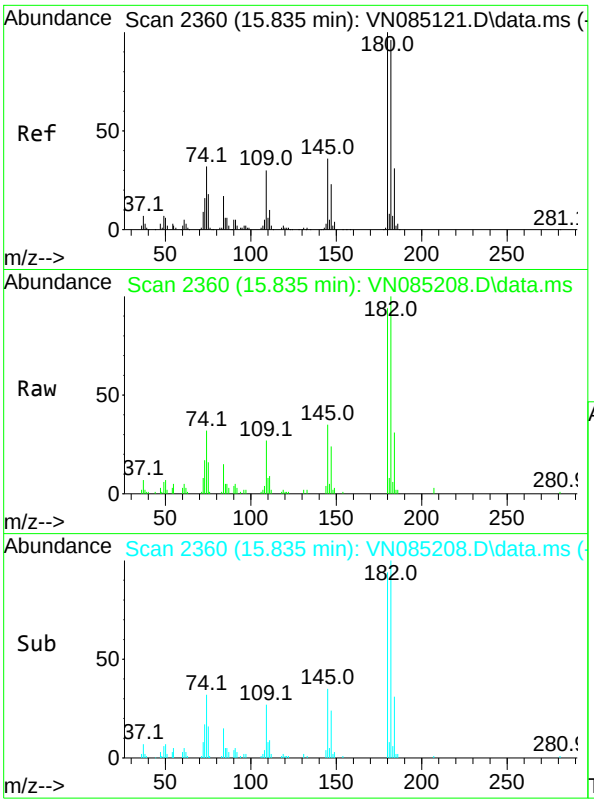


#88
1,2-Dibromo-3-Chloropropane
Concen: 18.139 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion: 75 Resp: 9899

Ion	Ratio	Lower	Upper
75	100		
155	79.8	62.1	93.1
157	98.5	79.3	118.9



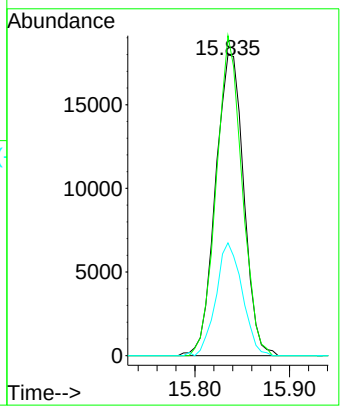


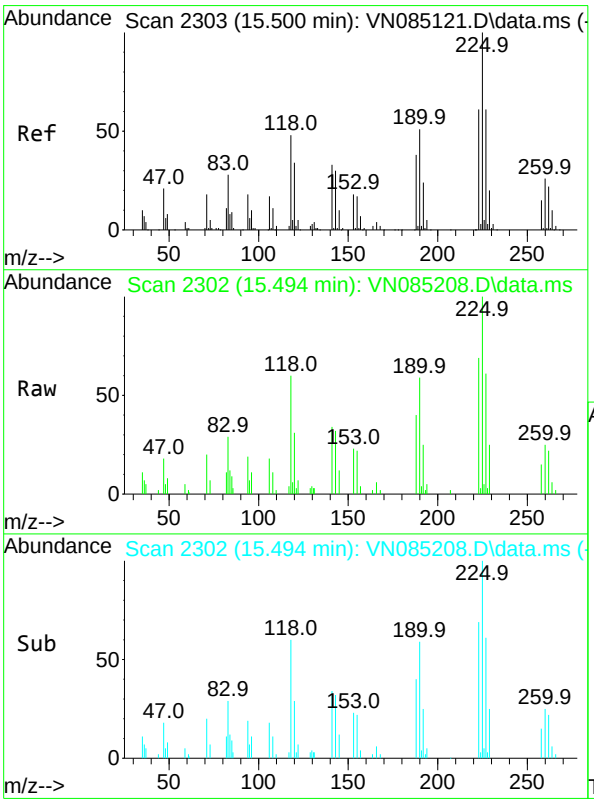
#89
1,2,4-Trichlorobenzene
Concen: 19.527 ug/l
RT: 15.835 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:180 Resp: 37230

Ion	Ratio	Lower	Upper
180	100		
182	96.8	74.0	111.0
145	34.8	28.6	43.0

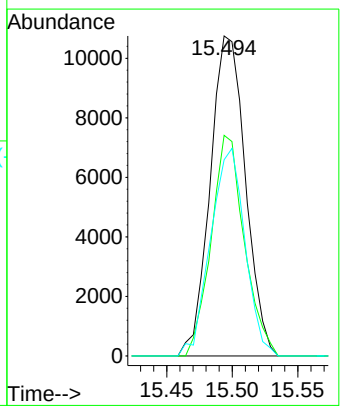


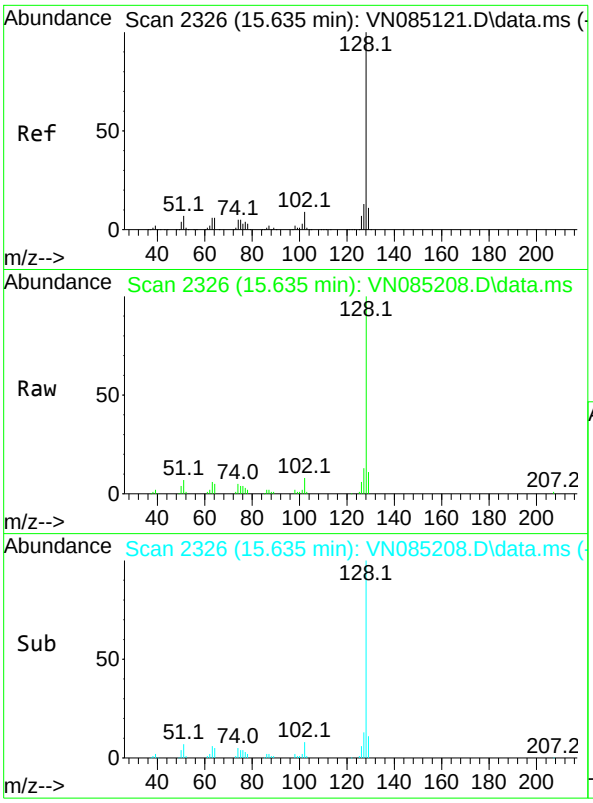


#90
Hexachlorobutadiene
Concen: 20.308 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:225 Resp: 20120

Ion	Ratio	Lower	Upper
225	100		
223	64.7	0.0	121.8
227	63.1	0.0	126.8



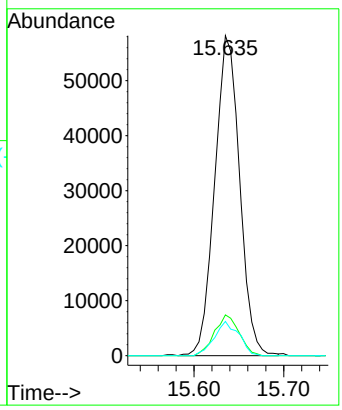


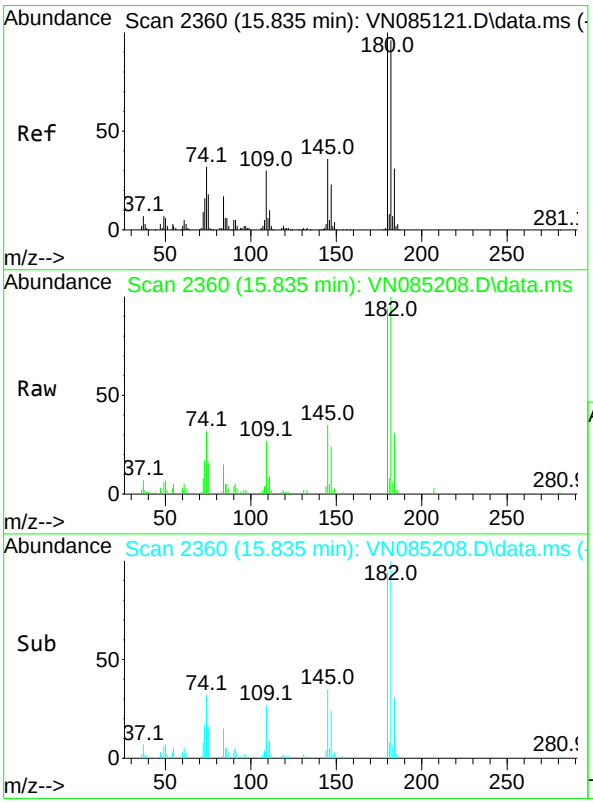
#91
Naphthalene
Concen: 18.930 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS01

Tgt Ion:128 Resp: 112126

Ion	Ratio	Lower	Upper
128	100		
127	12.6	11.0	16.4
129	10.6	8.7	13.1

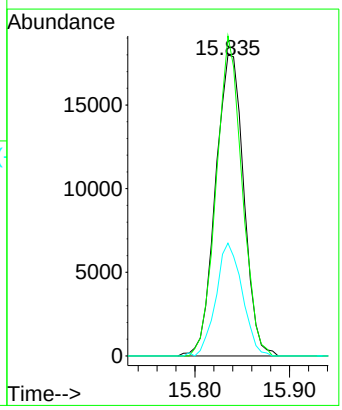




#92
1,2,3-Trichlorobenzene
Concen: 19.527 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085208.D
Acq: 16 Dec 2024 10:19

Tgt Ion:180 Resp: 37230

Ion	Ratio	Lower	Upper
180	100		
182	96.8	0.0	185.0
145	34.8	0.0	71.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085209.D
Acq On : 16 Dec 2024 10:57
Operator : JC\MD
Sample : VN1216WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Quant Time: Dec 16 12:21:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	29855	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	161867	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	148673	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	72034	30.408	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.367%			
60) 4-Bromofluorobenzene	12.847	95	73852	30.022	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.067%			
63) Toluene-d8	10.565	98	202306	29.009	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 96.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	48095	20.136	ug/l	96
3) Chloromethane	2.359	50	40344	19.083	ug/l	92
4) Vinyl Chloride	2.512	62	45267	20.934	ug/l	96
5) Bromomethane	2.965	94	27446	19.991	ug/l	99
6) Chloroethane	3.118	64	28186	21.216	ug/l	95
7) Trichlorofluoromethane	3.501	101	72820	20.573	ug/l	97
8) Diethyl Ether	3.959	74	23793	21.222	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	39414	19.912	ug/l	88
10) 1,1-Dichloroethene	4.342	96	36096	19.853	ug/l	96
11) Methyl Iodide	4.589	142	46064	18.268	ug/l	97
12) Methyl Acetate	5.024	43	46738	21.790	ug/l	96
13) Acrolein	4.177	56	35773	114.765	ug/l	99
14) Acrylonitrile	5.718	53	91712	102.973	ug/l	96
15) Acetone	4.424	58	29139	120.730	ug/l	83
16) Carbon Disulfide	4.712	76	105348	19.385	ug/l	97
17) Allyl chloride	5.024	41	52512	20.184	ug/l	99
18) Methylene Chloride	5.277	84	41210	19.976	ug/l	92
19) trans-1,2-Dichloroethene	5.777	96	36574	19.353	ug/l	92
20) Diisopropyl ether	6.671	45	118990	20.841	ug/l	96
21) 1,1-Dichloroethane	6.565	63	71674	20.339	ug/l	99
22) cis-1,2-Dichloroethene	7.483	96	44718	20.587	ug/l	99
23) tert-Butyl Alcohol	5.512	59	35358	110.664	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	121741	21.432	ug/l #	74
25) Chloroform	7.965	83	74641	20.218	ug/l	100
26) Cyclohexane	8.253	56	56899	19.610	ug/l #	93
29) 1,1-Dichloropropene	8.371	75	51348	19.659	ug/l	95
30) 2-Butanone	7.477	43	130125	108.562	ug/l	98
31) 2,2-Dichloropropane	7.483	77	65963	19.694	ug/l #	100
32) 1,1,1-Trichloroethane	8.165	97	68382	19.342	ug/l	97
33) Carbon Tetrachloride	8.365	117	61882	19.398	ug/l	93
34) Benzene	8.600	78	159828	19.479	ug/l #	97
35) Methacrylonitrile	7.777	41	27030	20.039	ug/l	93
36) 1,2-Dichloroethane	8.665	62	54876	19.646	ug/l	99
37) Trichloroethene	9.347	130	38098	19.498	ug/l	95
38) Methylcyclohexane	9.600	83	53887	18.974	ug/l	96
39) 1,2-Dichloropropane	9.618	63	38165	19.203	ug/l	89
40) Dibromomethane	9.706	93	28463	19.966	ug/l	98
41) Bromodichloromethane	9.888	83	61025	20.024	ug/l	92
42) Vinyl Acetate	6.600	43	445381	106.188	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085209.D
Acq On : 16 Dec 2024 10:57
Operator : JC\MD
Sample : VN1216WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Quant Time: Dec 16 12:21:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

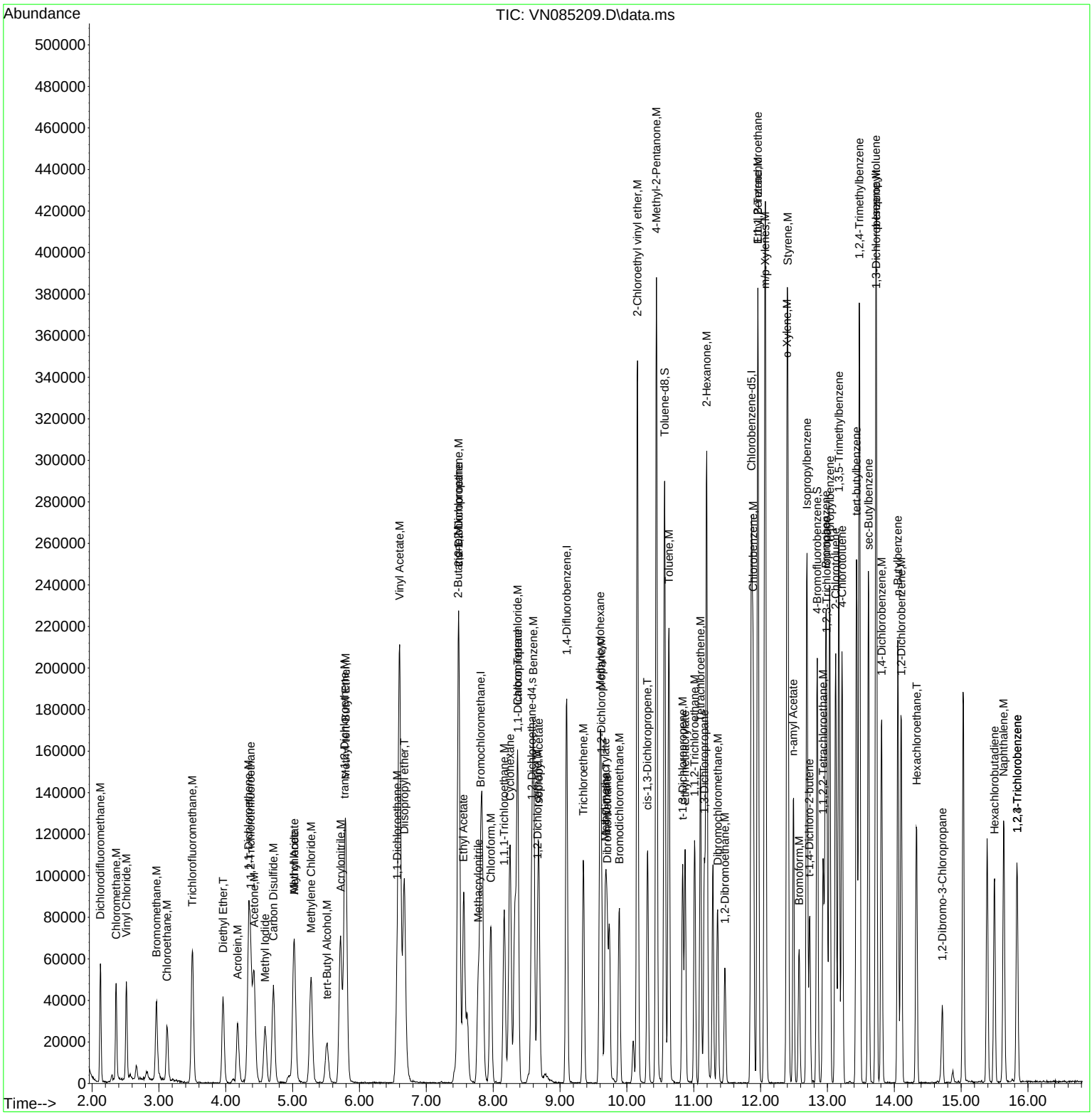
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.553	43	49449	20.734	ug/l	#	92
44) Isopropyl Acetate	8.683	43	85730	20.685	ug/l		97
45) 1,4-Dioxane	9.694	88	14082	407.451	ug/l	#	92
46) Methyl methacrylate	9.677	41	37774	19.915	ug/l		93
47) n-amyl Acetate	12.488	43	69551	19.945	ug/l		98
48) t-1,3-Dichloropropene	10.835	75	59485	19.884	ug/l		100
49) cis-1,3-Dichloropropene	10.306	75	64591	19.833	ug/l		97
50) 1,1,2-Trichloroethane	11.012	97	37876	19.717	ug/l	#	93
51) Ethyl methacrylate	10.871	69	59503	20.365	ug/l		90
52) 1,3-Dichloropropane	11.159	76	65044	20.232	ug/l		98
53) Dibromochloromethane	11.359	129	46465	19.848	ug/l		96
54) 1,2-Dibromoethane	11.465	107	38069	19.669	ug/l		99
55) 2-Chloroethyl vinyl ether	10.159	63	157517	116.053	ug/l		100
56) Bromoform	12.576	173	31005	19.753	ug/l	#	97
58) 4-Methyl-2-Pentanone	10.441	43	251194	103.526	ug/l		98
59) 2-Hexanone	11.194	43	189877	103.278	ug/l		97
61) Tetrachloroethene	11.100	164	35715	19.837	ug/l		95
62) Toluene	10.630	91	169444	19.542	ug/l		100
64) Chlorobenzene	11.888	112	105294	19.669	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.959	131	41250	20.641	ug/l		93
66) Ethyl Benzene	11.959	91	180260	19.592	ug/l		95
67) m/p-Xylenes	12.071	106	139966	39.552	ug/l		99
68) o-Xylene	12.394	106	67500	20.311	ug/l		98
69) Styrene	12.406	104	113349	20.099	ug/l		100
70) Isopropylbenzene	12.694	105	170936	19.942	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.935	83	53129	20.363	ug/l		99
72) 1,2,3-Trichloropropane	12.988	75	67849	26.326	ug/l		76
73) Bromobenzene	12.976	156	43049	20.050	ug/l		99
74) n-propylbenzene	13.035	91	197415	19.157	ug/l		99
75) 2-Chlorotoluene	13.123	91	126567	19.864	ug/l		99
76) 1,3,5-Trimethylbenzene	13.171	105	143813	19.583	ug/l		98
77) t-1,4-Dichloro-2-butene	12.729	75	19066	20.358	ug/l		92
78) 4-Chlorotoluene	13.218	91	126224	19.518	ug/l		100
79) tert-butylbenzene	13.435	119	119154	19.754	ug/l		98
80) 1,2,4-Trimethylbenzene	13.476	105	145777	20.096	ug/l		99
81) sec-Butylbenzene	13.618	105	169356	19.763	ug/l		98
82) p-Isopropyltoluene	13.723	119	140763	19.813	ug/l		99
83) 1,3-Dichlorobenzene	13.729	146	77122	19.578	ug/l		100
84) 1,4-Dichlorobenzene	13.812	146	76595	19.952	ug/l		99
85) n-Butylbenzene	14.053	91	114947	19.288	ug/l		99
86) Hexachloroethane	14.335	117	27662	19.558	ug/l		97
87) 1,2-Dichlorobenzene	14.106	146	75009	20.174	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11257	21.598	ug/l		99
89) 1,2,4-Trichlorobenzene	15.841	180	37581	20.638	ug/l		96
90) Hexachlorobutadiene	15.500	225	19537	20.647	ug/l		96
91) Naphthalene	15.635	128	116630	20.616	ug/l		99
92) 1,2,3-Trichlorobenzene	15.841	180	37581	20.638	ug/l		96

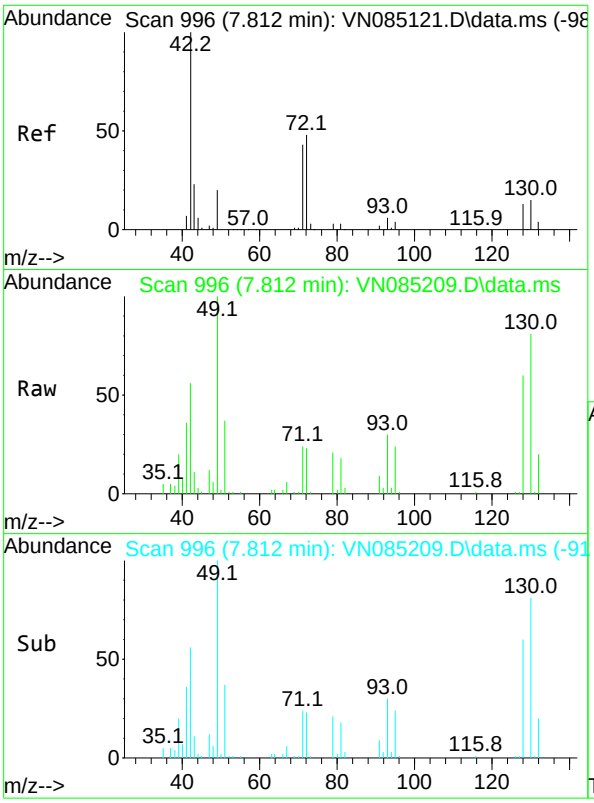
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085209.D
Acq On : 16 Dec 2024 10:57
Operator : JC\MD
Sample : VN1216WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Quant Time: Dec 16 12:21:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration



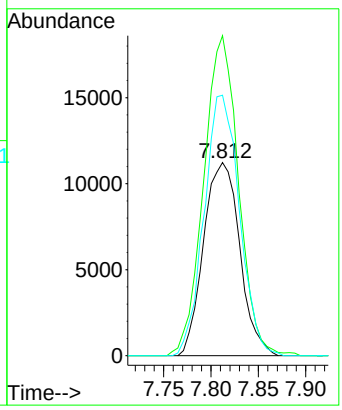


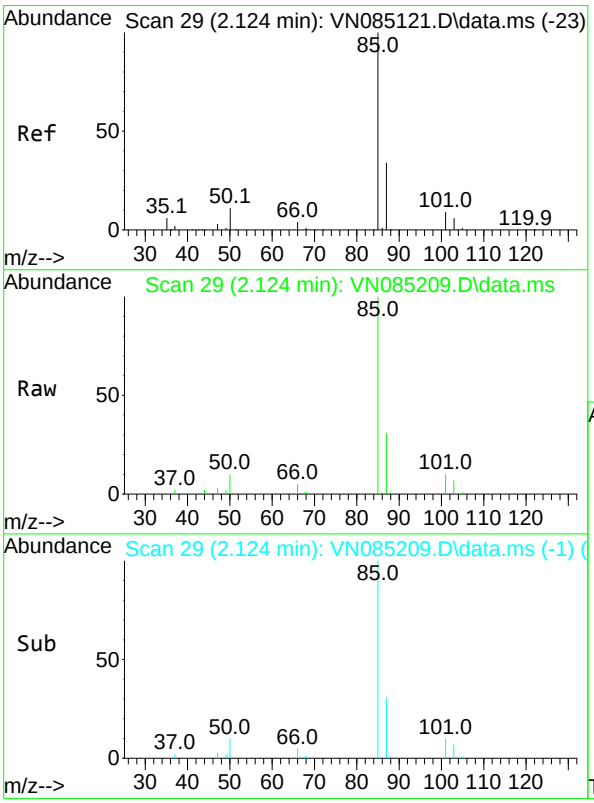
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion:128 Resp: 29855

Ion	Ratio	Lower	Upper
128	100		
49	158.9	0.0	394.5
130	131.8	0.0	316.5

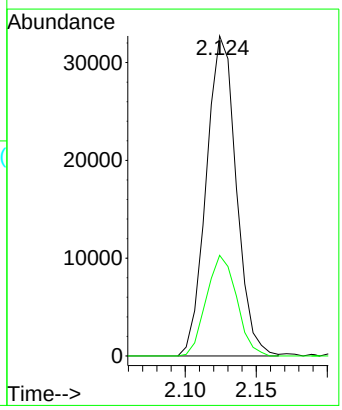


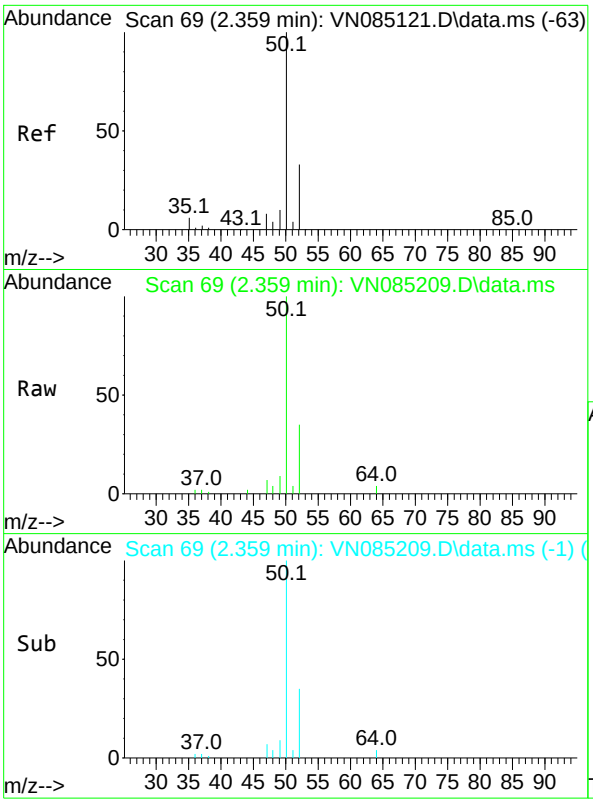


#2
Dichlorodifluoromethane
Concen: 20.136 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 85 Resp: 48095

Ion	Ratio	Lower	Upper
85	100		
87	31.5	16.8	50.3



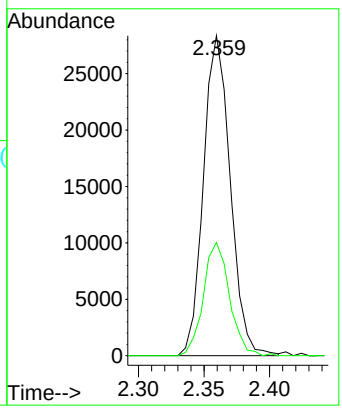


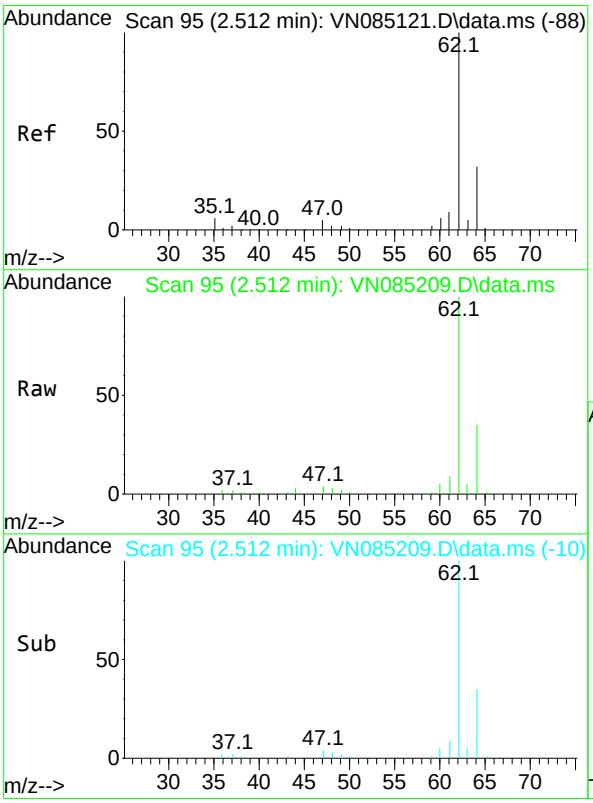
#3
Chloromethane
Concen: 19.083 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 50 Resp: 40344

Ion	Ratio	Lower	Upper
50	100		
52	35.3	25.0	37.4

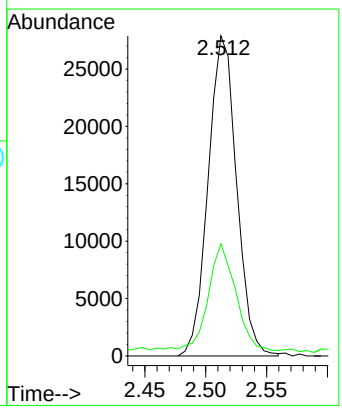


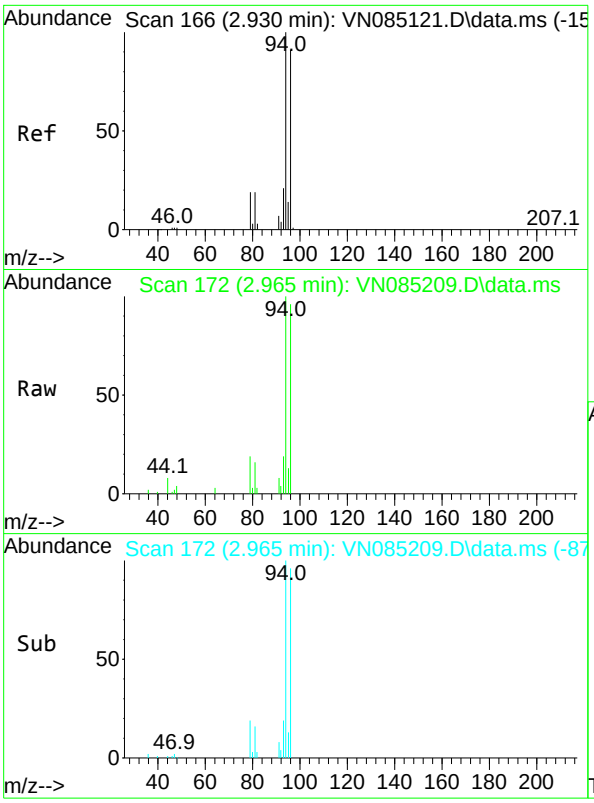


#4
Vinyl Chloride
Concen: 20.934 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 62 Resp: 45267

Ion	Ratio	Lower	Upper
62	100		
64	33.3	24.9	37.3



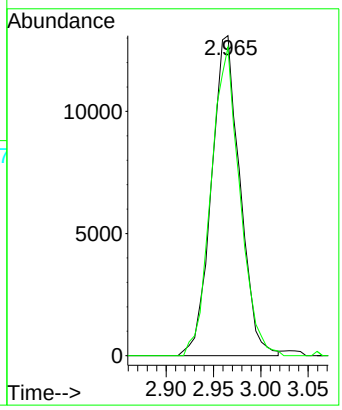


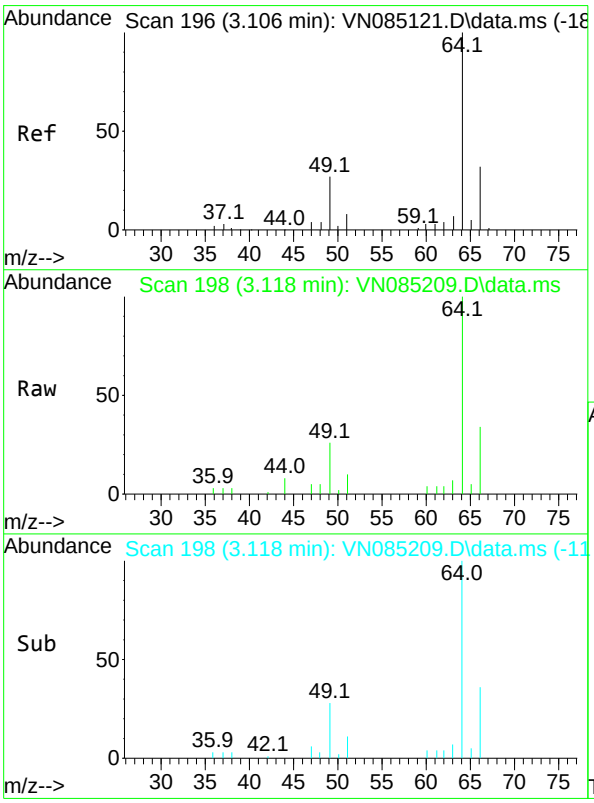
#5
Bromomethane
Concen: 19.991 ug/l
RT: 2.965 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 94 Resp: 27446

Ion	Ratio	Lower	Upper
94	100		
96	96.4	76.2	114.4

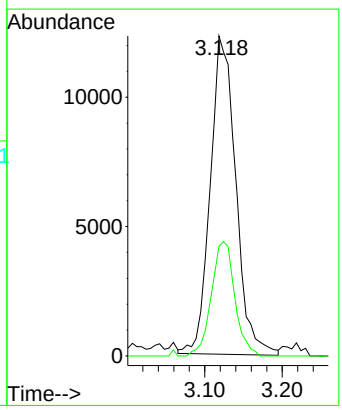


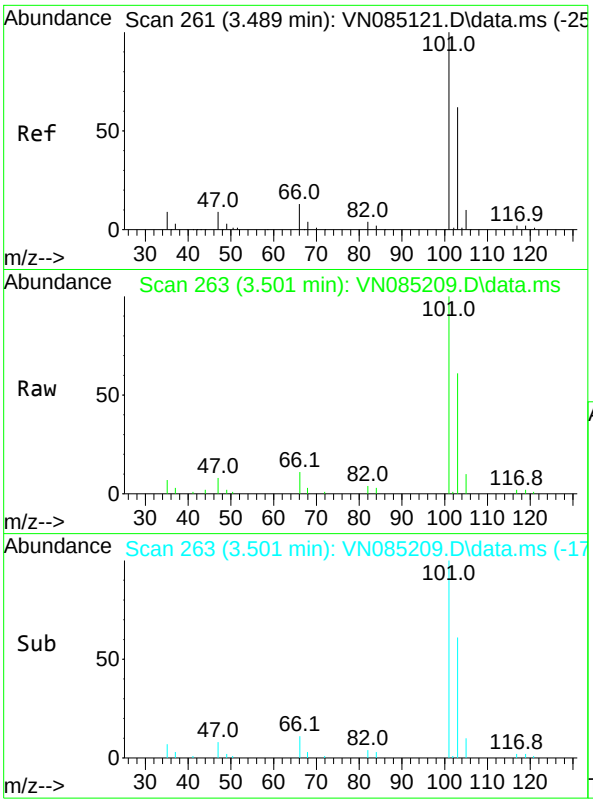


#6
Chloroethane
Concen: 21.216 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 64 Resp: 28186

Ion	Ratio	Lower	Upper
64	100		
66	34.9	25.5	38.3



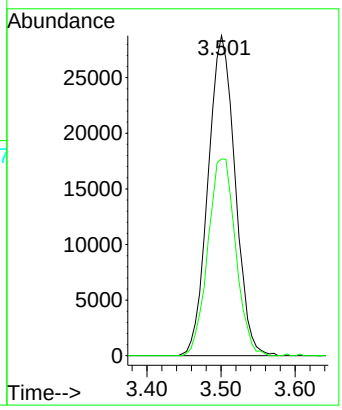


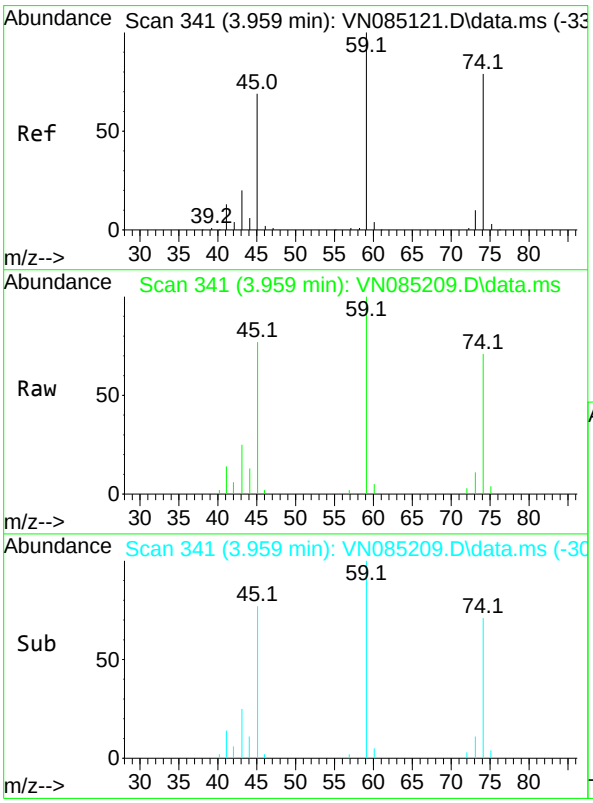
#7
Trichlorofluoromethane
Concen: 20.573 ug/l
RT: 3.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion:101 Resp: 72820

Ion	Ratio	Lower	Upper
101	100		
103	61.5	51.3	76.9

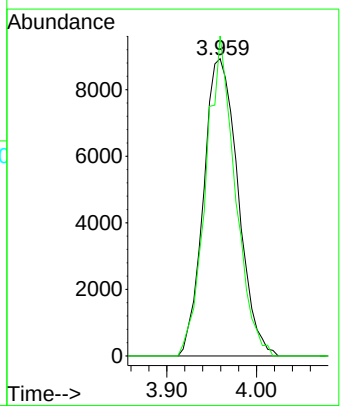


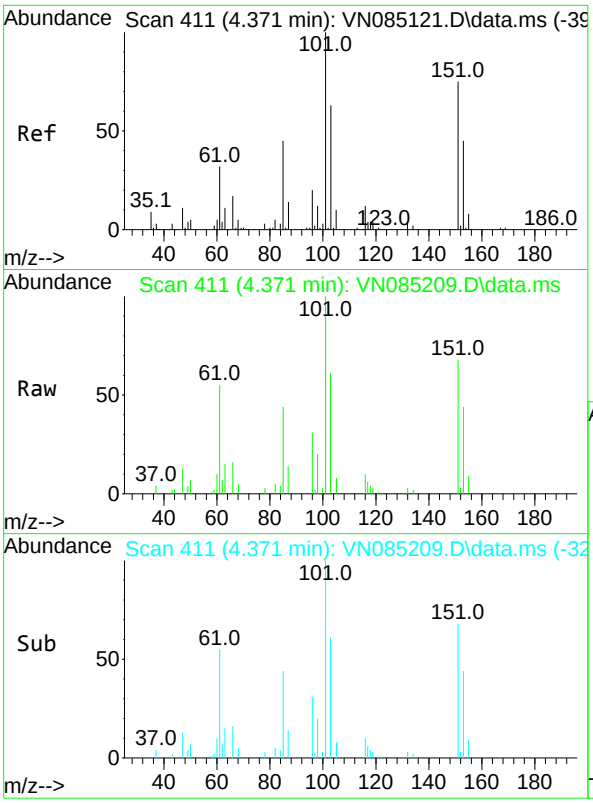


#8
Diethyl Ether
Concen: 21.222 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 74 Resp: 23793

Ion	Ratio	Lower	Upper
74	100		
45	92.1	18.6	167.8



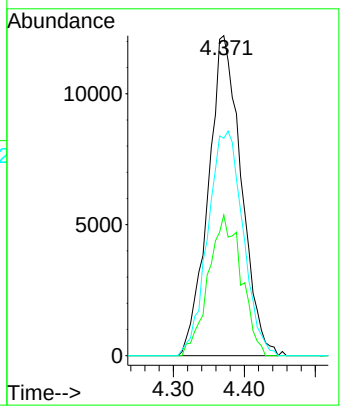


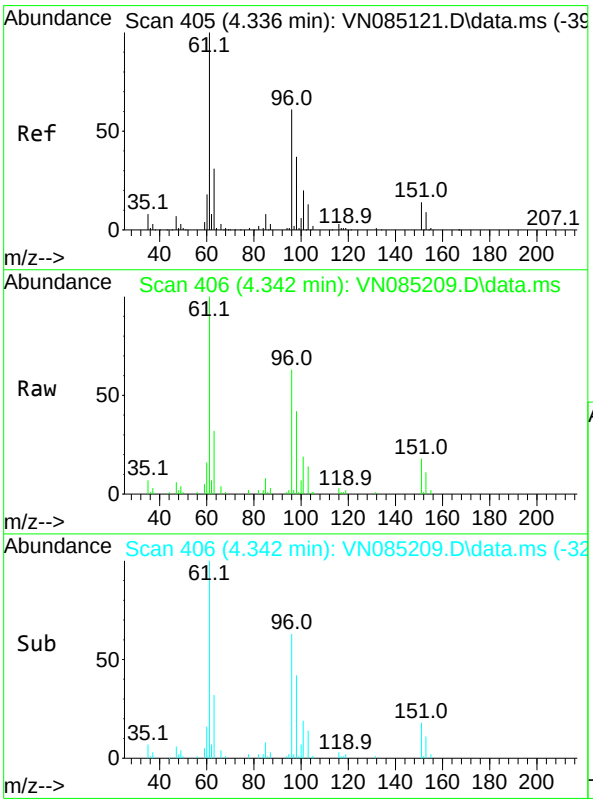
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.912 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion:101 Resp: 39414

Ion	Ratio	Lower	Upper
101	100		
85	27.1	0.0	88.6
151	74.7	0.0	155.8

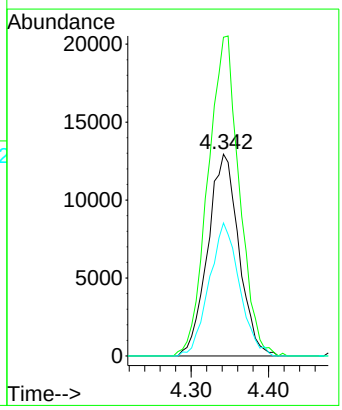


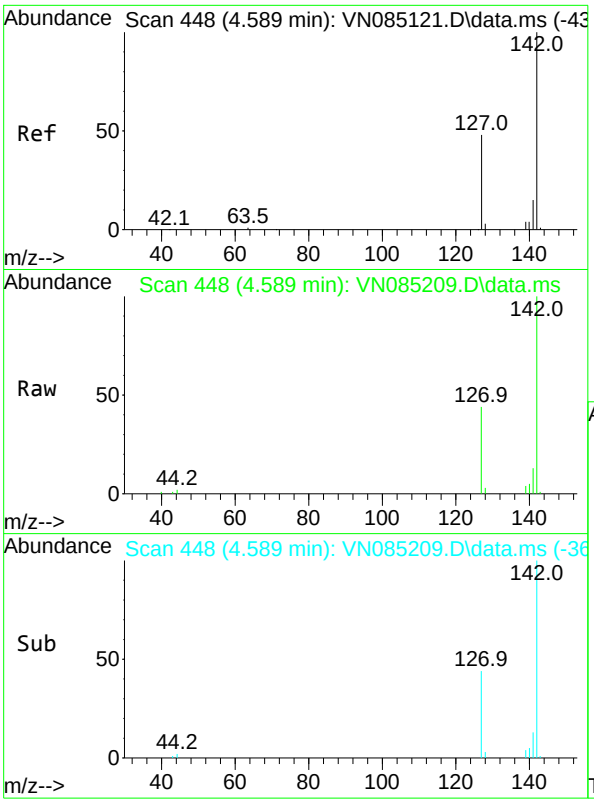


#10
1,1-Dichloroethene
Concen: 19.853 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 96 Resp: 36096

Ion	Ratio	Lower	Upper
96	100		
61	157.9	123.0	184.4
98	65.9	49.1	73.7



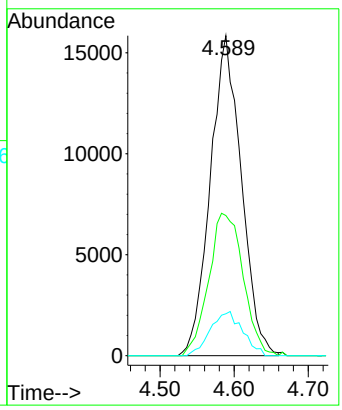


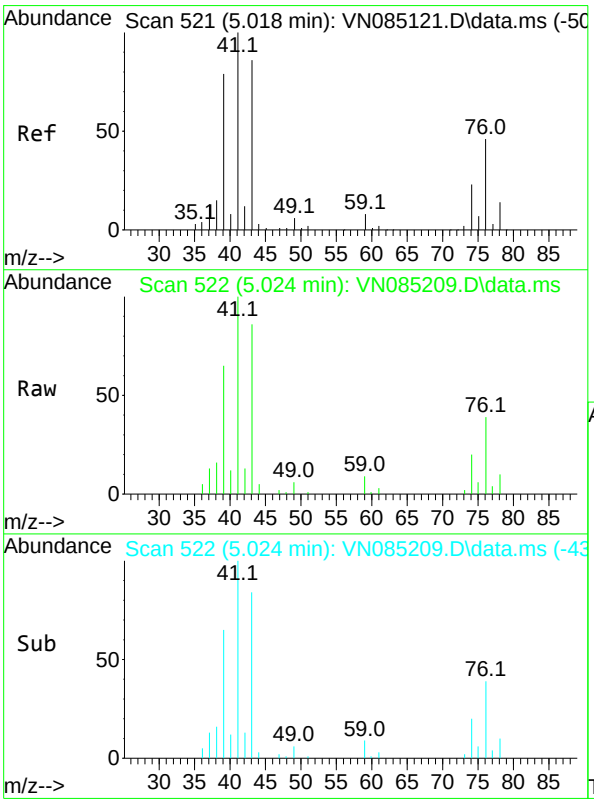
#11
Methyl Iodide
Concen: 18.268 ug/l
RT: 4.589 min Scan# 44
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion:142 Resp: 46064

Ion	Ratio	Lower	Upper
142	100		
127	44.0	22.5	67.5
141	13.2	8.3	24.9

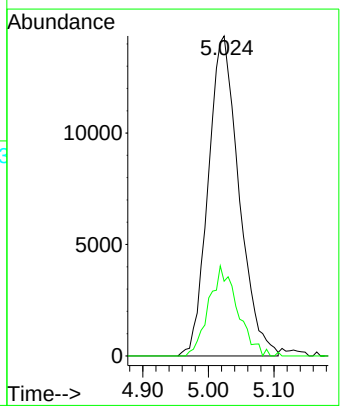


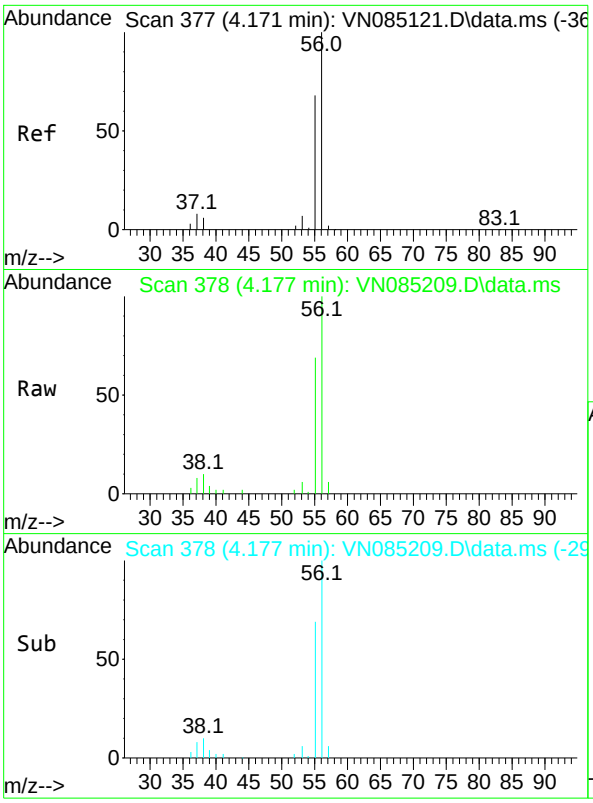


#12
Methyl Acetate
Concen: 21.790 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 43 Resp: 46738

Ion	Ratio	Lower	Upper
43	100		
74	22.9	19.8	29.6



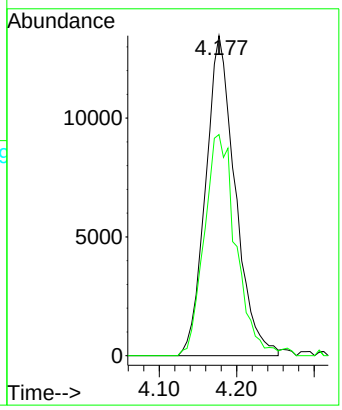


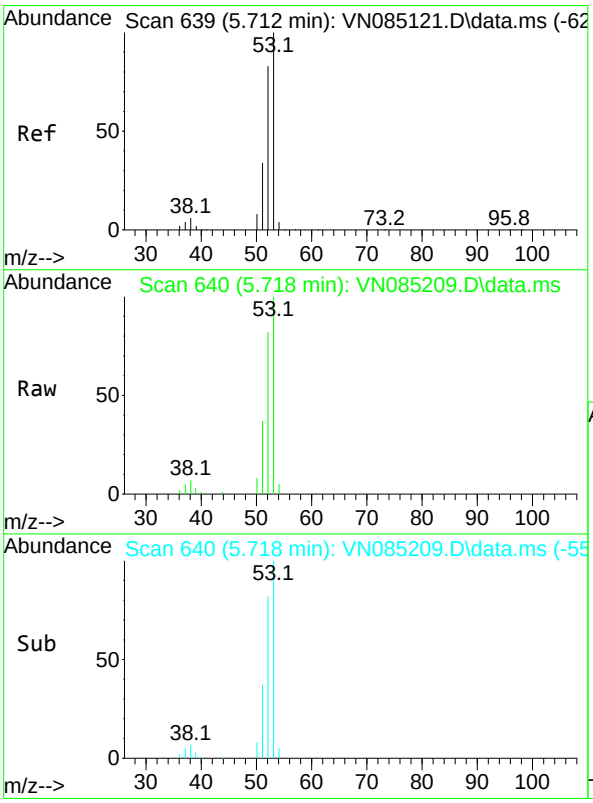
#13
Acrolein
Concen: 114.765 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 56 Resp: 35773

Ion	Ratio	Lower	Upper
56	100		
55	73.0	59.4	89.0

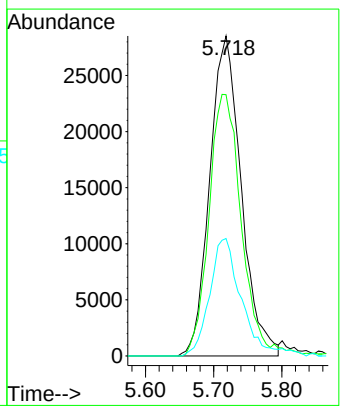


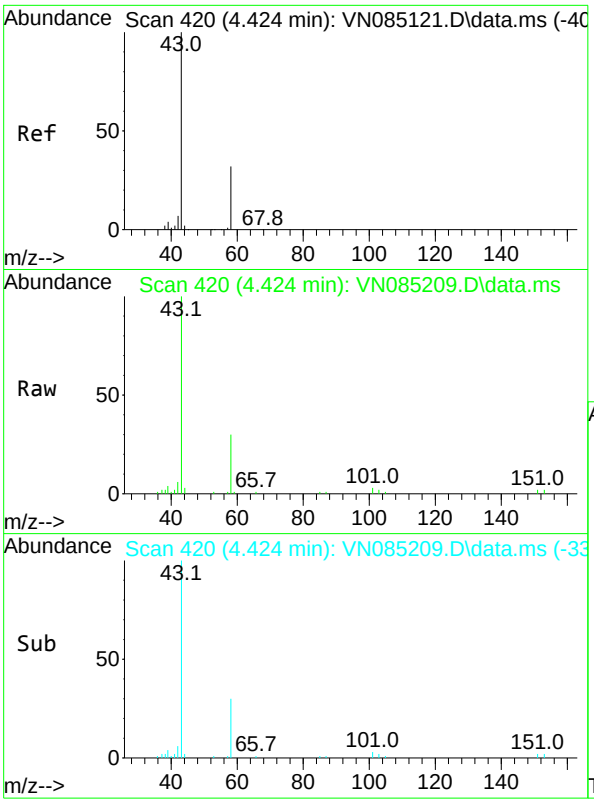


#14
Acrylonitrile
Concen: 102.973 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 53 Resp: 91712

Ion	Ratio	Lower	Upper
53	100		
52	82.4	42.9	128.5
51	36.2	17.2	51.5



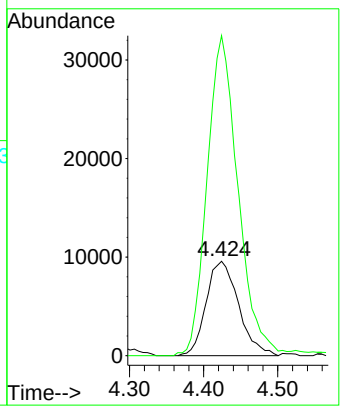


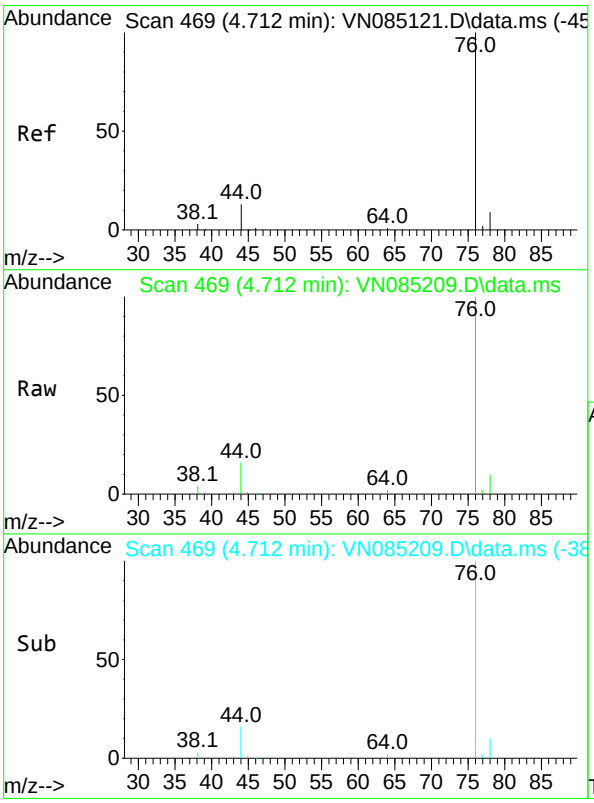
#15
Acetone
Concen: 120.730 ug/l
RT: 4.424 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 58 Resp: 29139

Ion	Ratio	Lower	Upper
58	100		
43	335.6	242.3	363.5

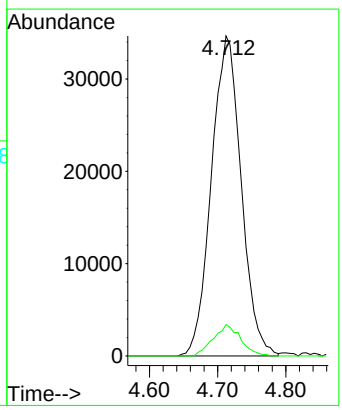


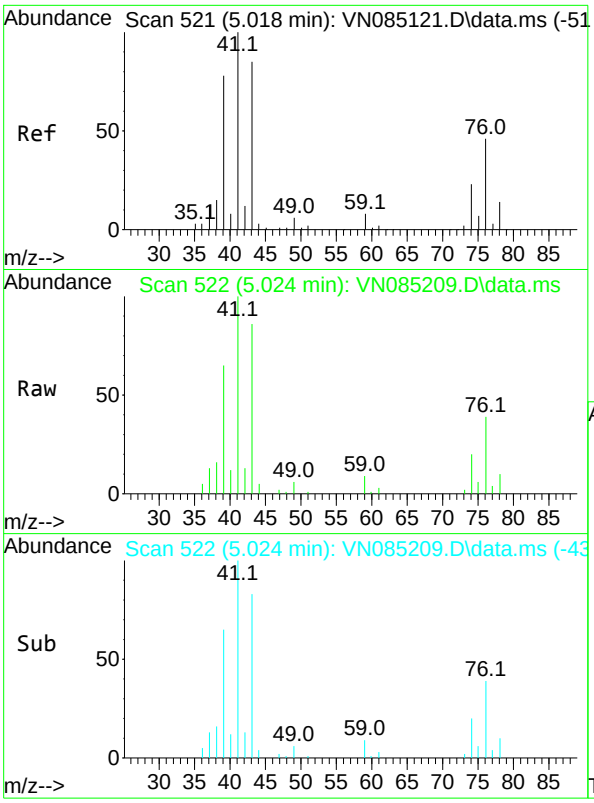


#16
Carbon Disulfide
Concen: 19.385 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 76 Resp: 105348

Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.1	10.7



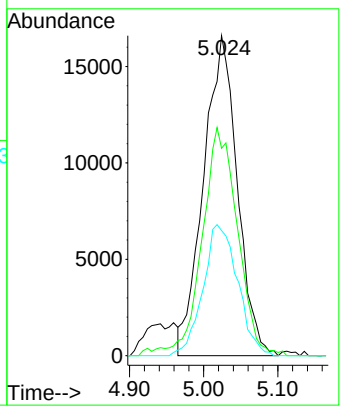


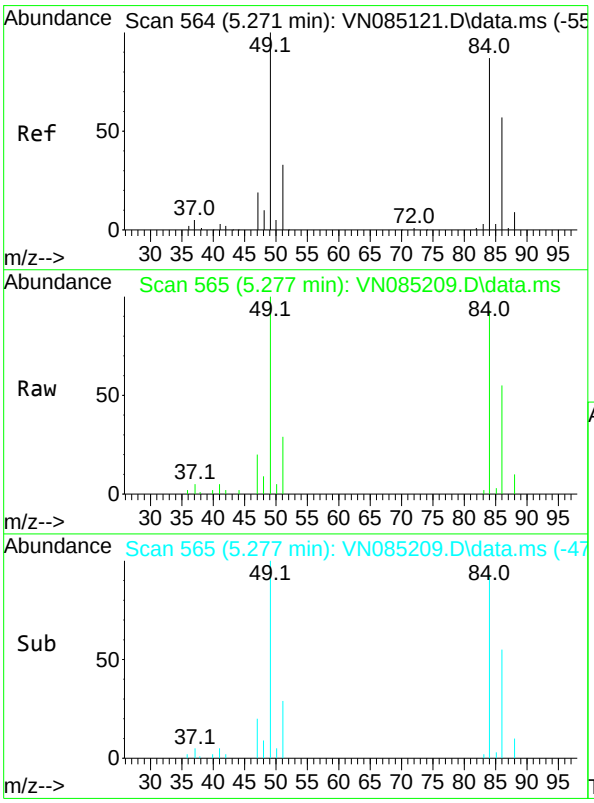
#17
Allyl chloride
Concen: 20.184 ug/l
RT: 5.024 min Scan# 5
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 41 Resp: 52512

Ion	Ratio	Lower	Upper
41	100		
39	63.8	32.0	96.2
76	39.1	20.2	60.5

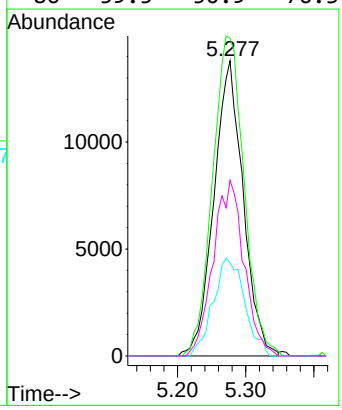


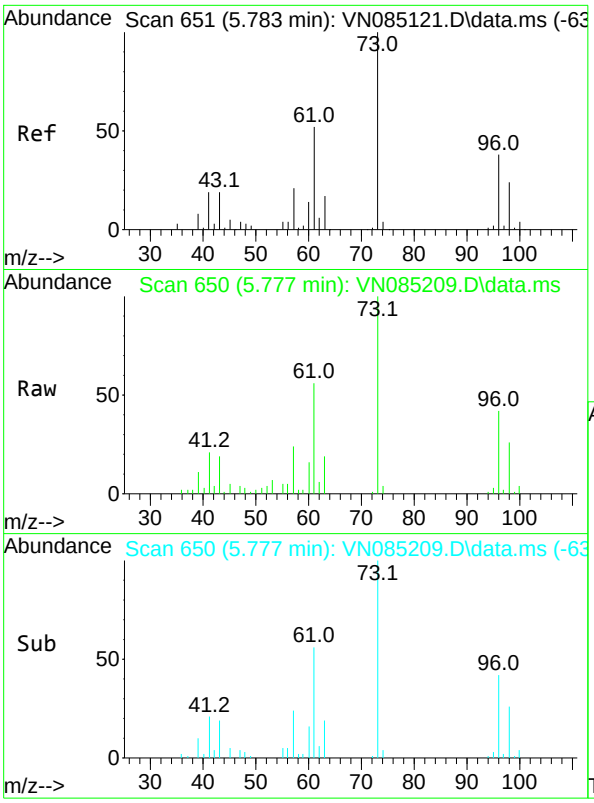


#18
Methylene Chloride
Concen: 19.976 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 84 Resp: 41210

Ion	Ratio	Lower	Upper
84	100		
49	107.5	95.1	142.7
51	31.5	27.4	41.0
86	59.5	50.9	76.3



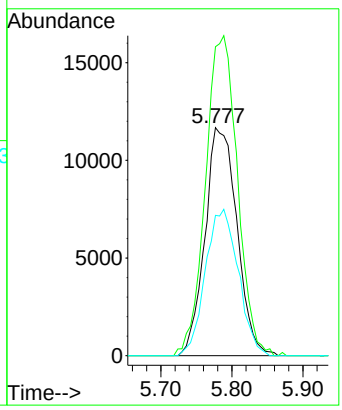


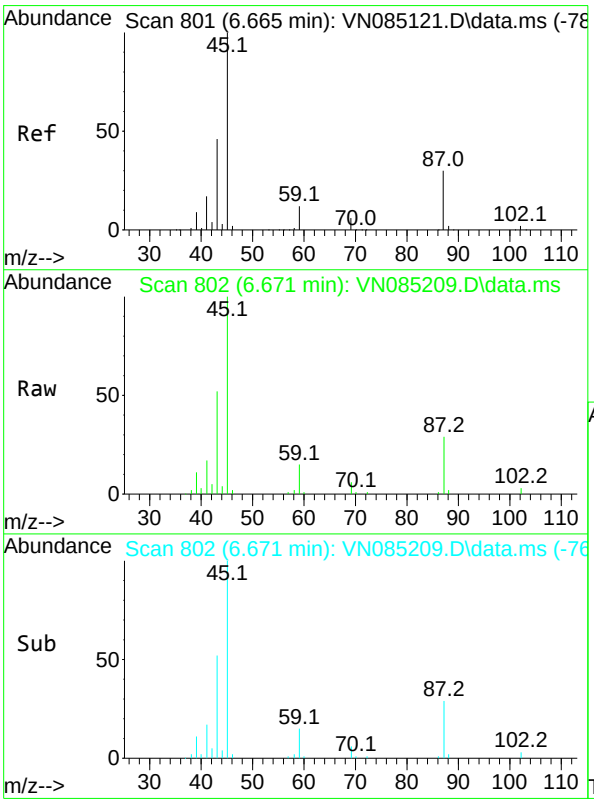
#19
trans-1,2-Dichloroethene
Concen: 19.353 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 96 Resp: 36574

Ion	Ratio	Lower	Upper
96	100		
61	135.5	100.4	150.6
98	61.5	52.6	79.0

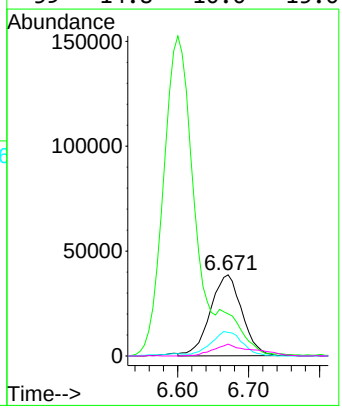


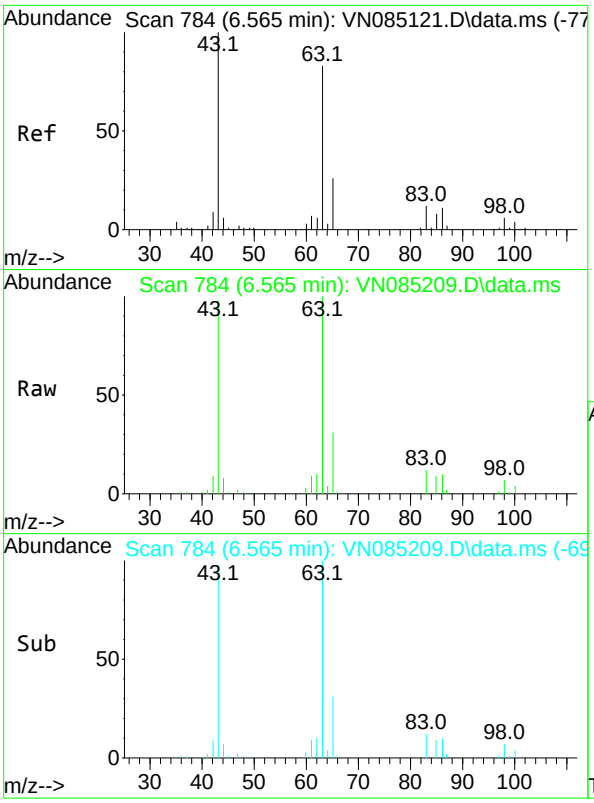


#20
Diisopropyl ether
Concen: 20.841 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 45 Resp: 118990

Ion	Ratio	Lower	Upper
45	100		
43	49.4	41.9	62.9
87	29.3	24.1	36.1
59	14.8	10.0	15.0



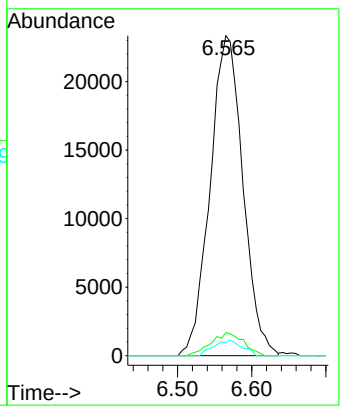


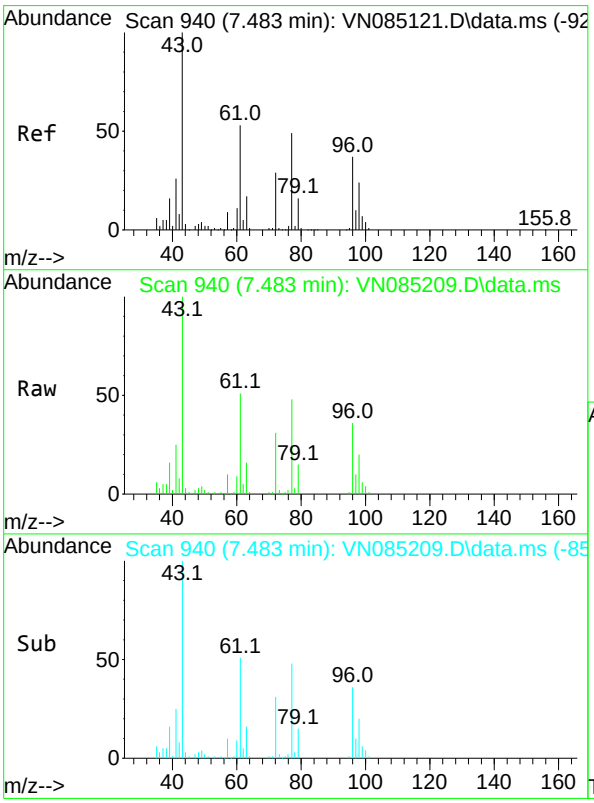
#21
1,1-Dichloroethane
Concen: 20.339 ug/l
RT: 6.565 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 63 Resp: 71674

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.4
100	4.0	1.6	4.8

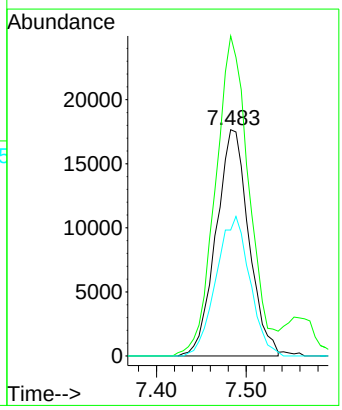


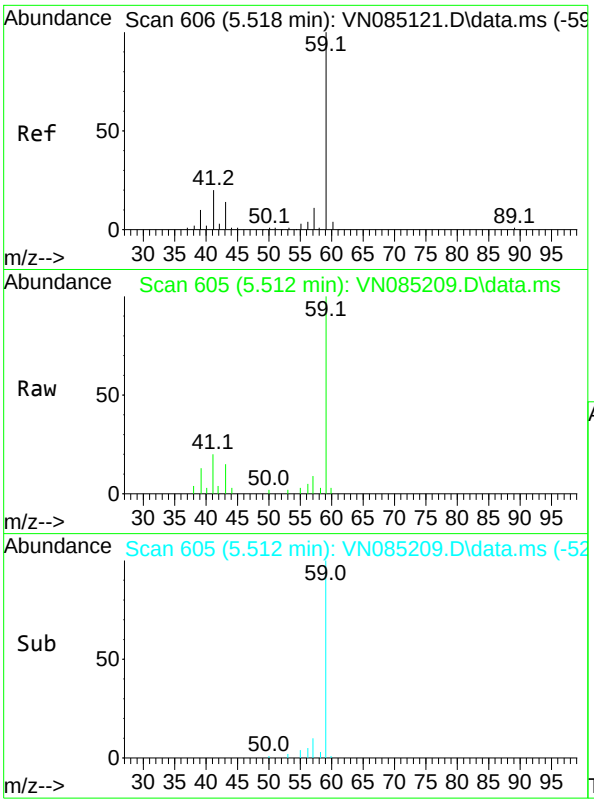


#22
cis-1,2-Dichloroethene
Concen: 20.587 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 96 Resp: 44718

Ion	Ratio	Lower	Upper
96	100		
61	143.9	115.9	173.9
98	63.4	51.8	77.8



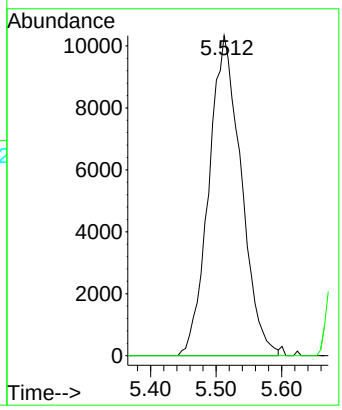


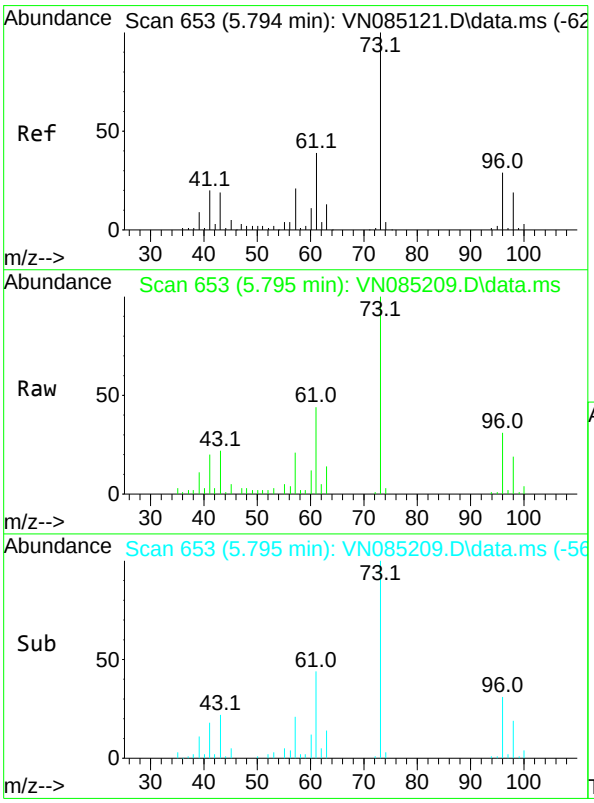
#23
tert-Butyl Alcohol
Concen: 110.664 ug/l
RT: 5.512 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 59 Resp: 35358

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

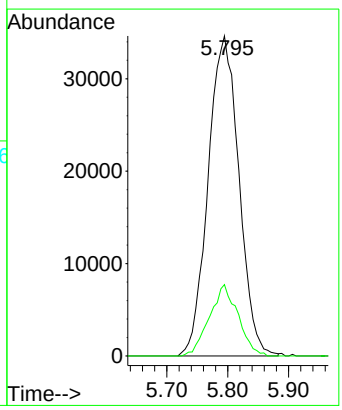


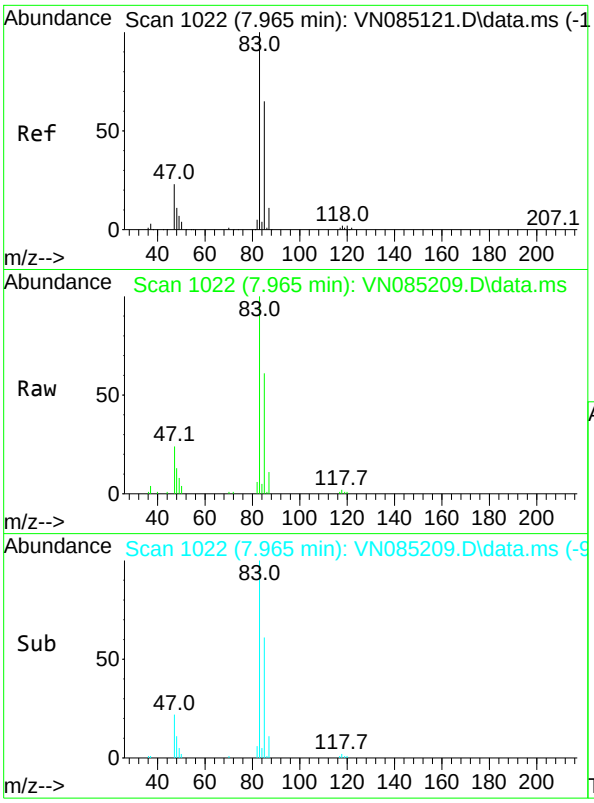


#24
Methyl tert-Butyl Ether
Concen: 21.432 ug/l
RT: 5.795 min Scan# 653
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 73 Resp: 121741

Ion	Ratio	Lower	Upper
73	100		
43	20.7	8.7	13.1#



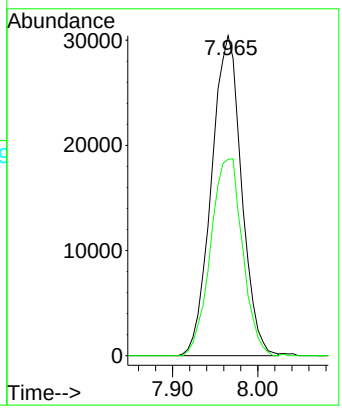


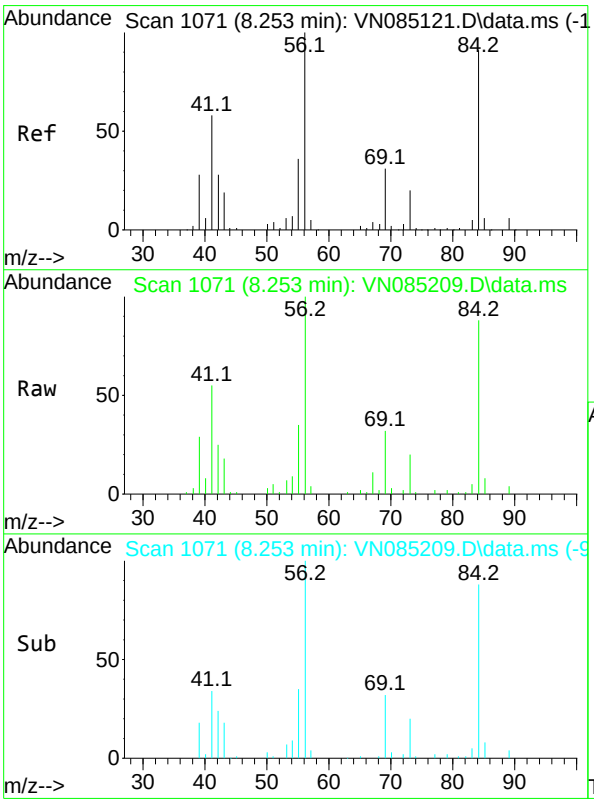
#25
Chloroform
Concen: 20.218 ug/l
RT: 7.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 83 Resp: 74641

Ion	Ratio	Lower	Upper
83	100		
85	61.4	49.4	74.0

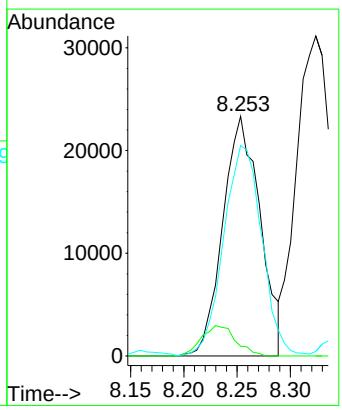


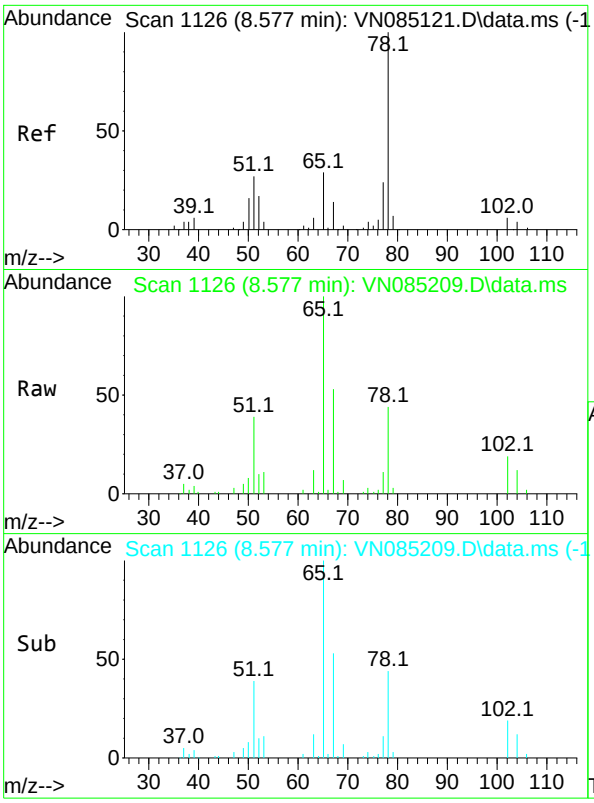


#26
Cyclohexane
Concen: 19.610 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 56 Resp: 56899

Ion	Ratio	Lower	Upper
56	100		
89	11.6	19.5	29.3#
84	89.9	70.6	105.8



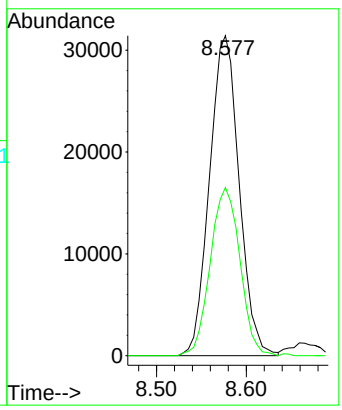


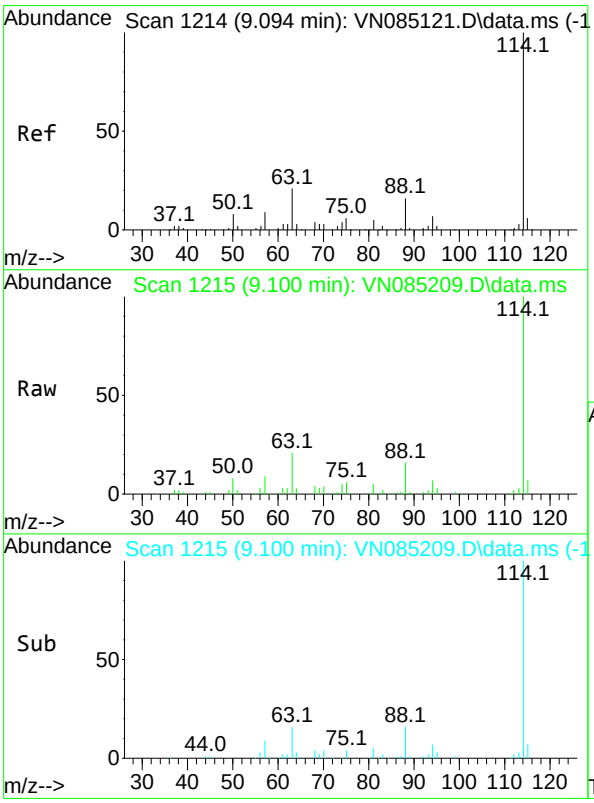
#27
1,2-Dichloroethane-d4
Concen: 30.408 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 65 Resp: 72034

Ion	Ratio	Lower	Upper
65	100		
67	52.5	39.9	59.9

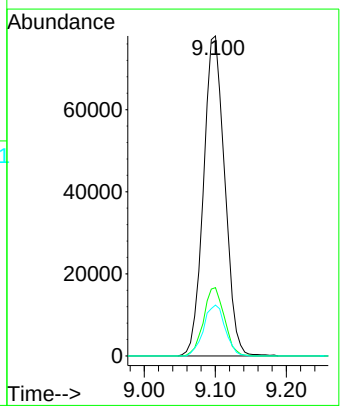


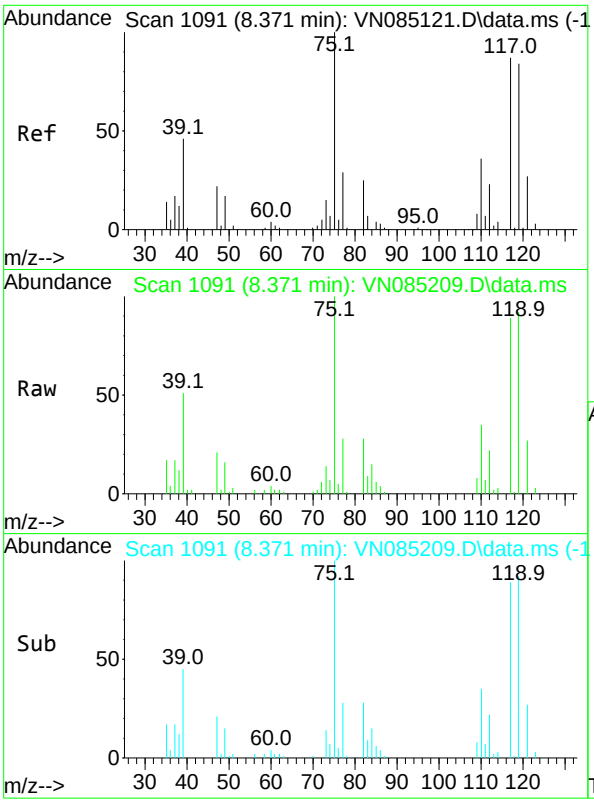


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:114 Resp: 161867

Ion	Ratio	Lower	Upper
114	100		
63	21.0	16.2	24.2
88	16.2	12.5	18.7



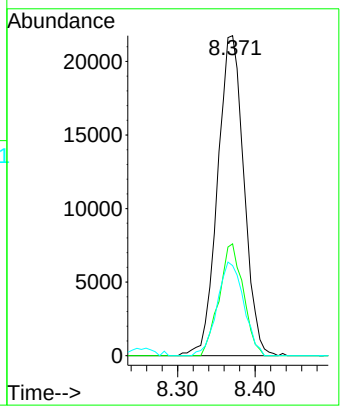


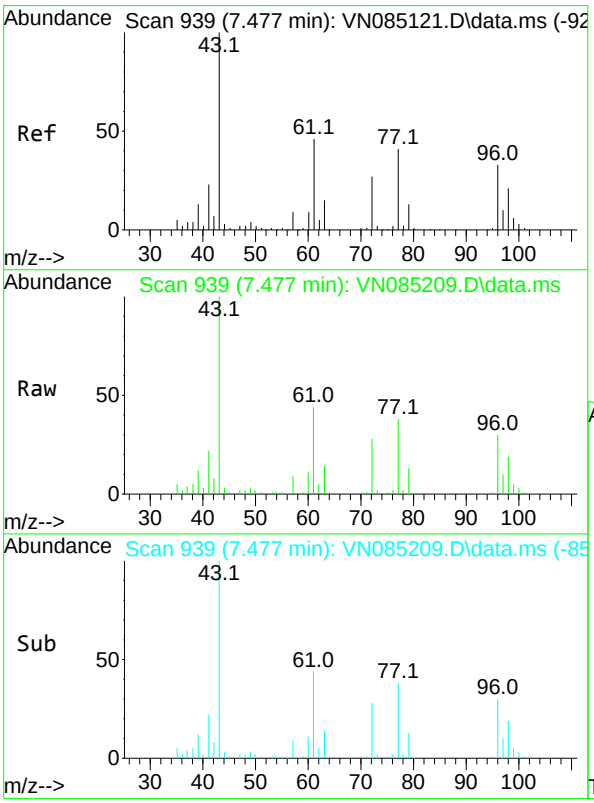
#29
1,1-Dichloropropene
Concen: 19.659 ug/l
RT: 8.371 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 75 Resp: 51348

Ion	Ratio	Lower	Upper
75	100		
110	32.1	0.0	71.6
77	29.5	0.0	62.2

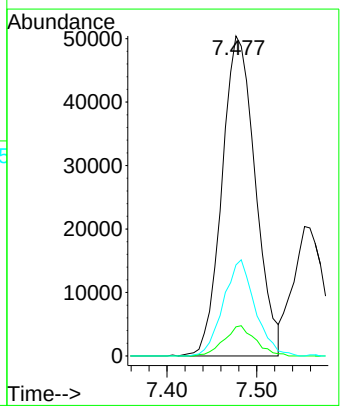


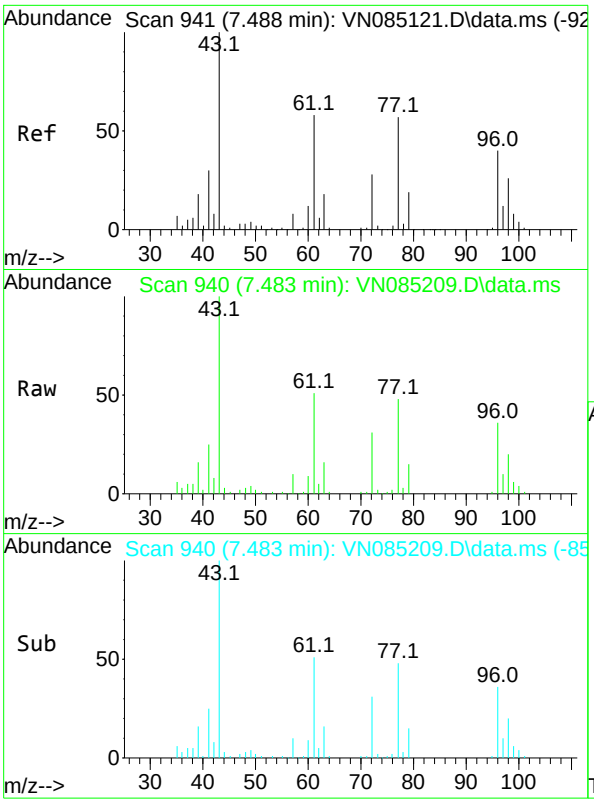


#30
2-Butanone
Concen: 108.562 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 43 Resp: 130125

Ion	Ratio	Lower	Upper
43	100		
57	8.9	6.9	10.3
72	28.6	21.8	32.8



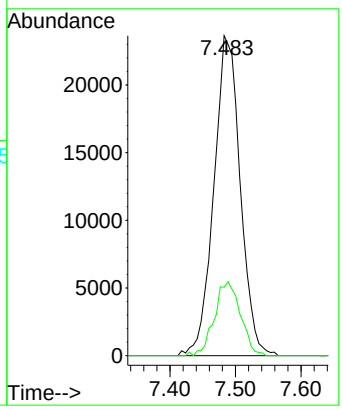


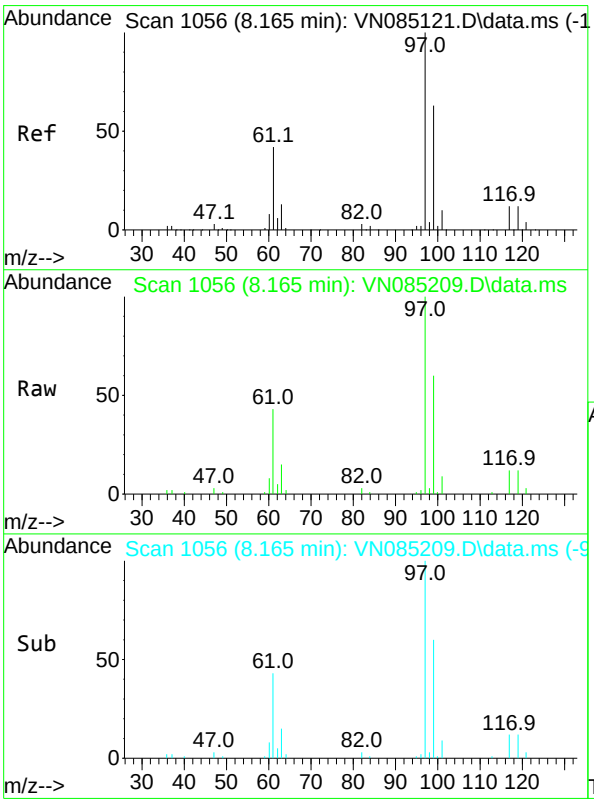
#31
2,2-Dichloropropane
Concen: 19.694 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 77 Resp: 65963

Ion	Ratio	Lower	Upper
77	100		
97	22.8	0.0	0.0#

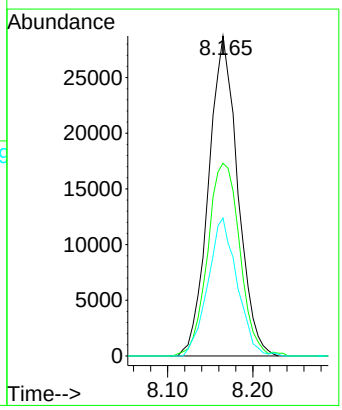


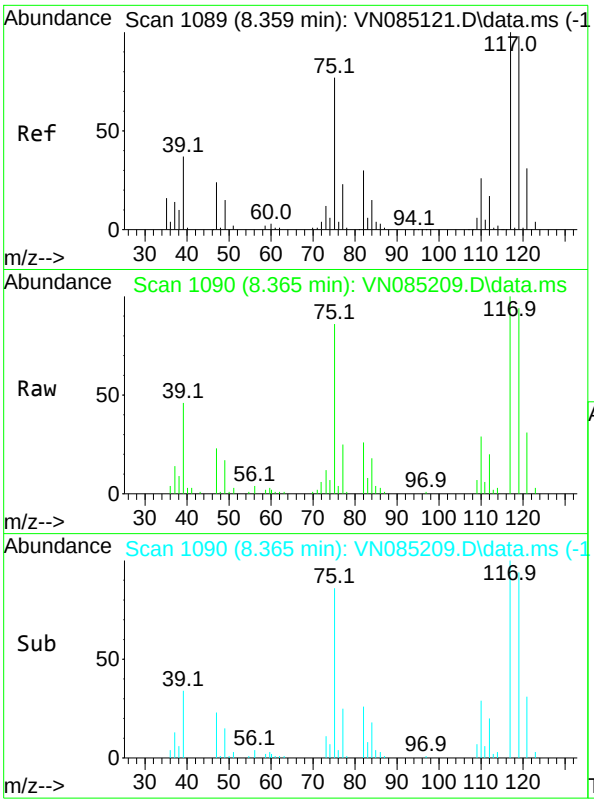


#32
1,1,1-Trichloroethane
Concen: 19.342 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 97 Resp: 68382

Ion	Ratio	Lower	Upper
97	100		
99	66.0	50.8	76.2
61	43.0	32.7	49.1



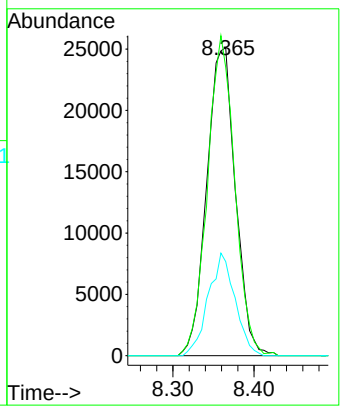


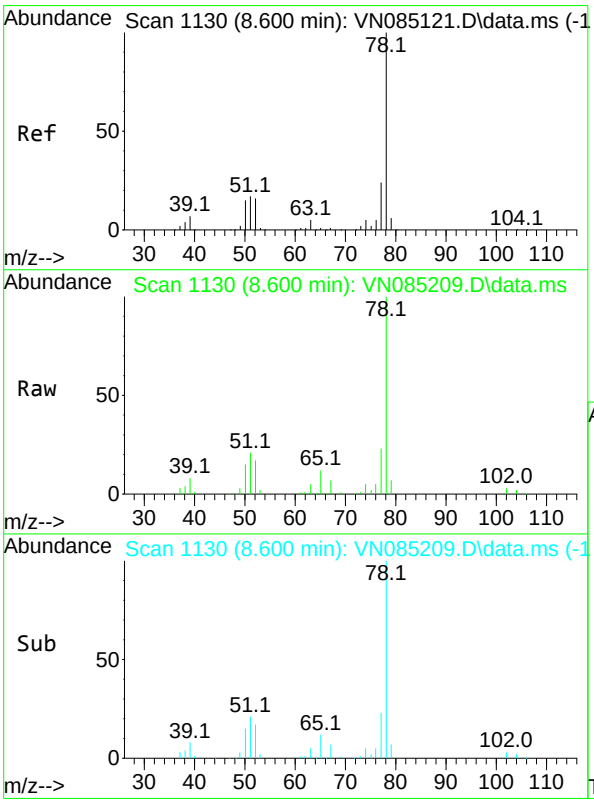
#33
Carbon Tetrachloride
Concen: 19.398 ug/l
RT: 8.365 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion:117 Resp: 61882

Ion	Ratio	Lower	Upper
117	100		
119	93.6	81.6	122.4
121	30.6	26.5	39.7

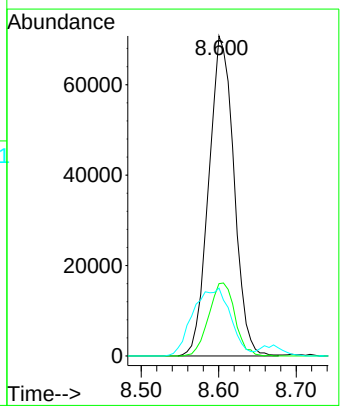


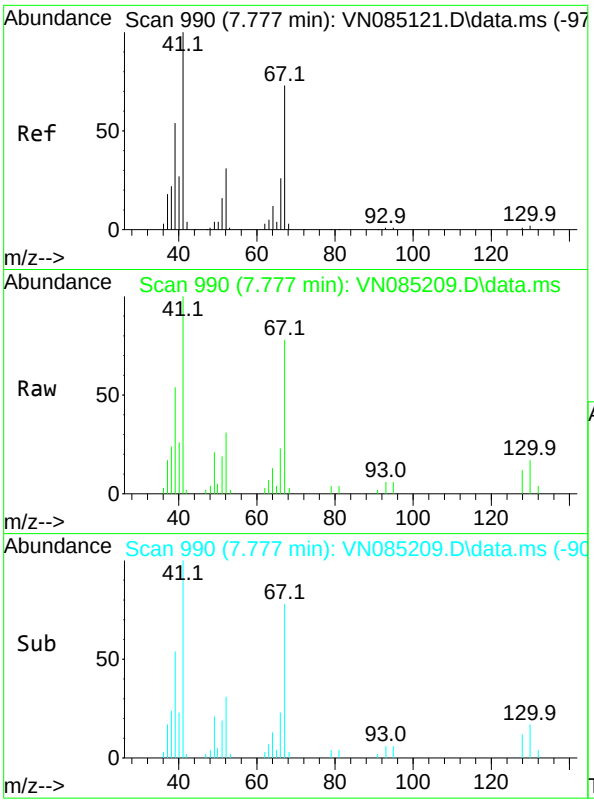


#34
Benzene
Concen: 19.479 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 78 Resp: 159828

Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.0	27.0
51	18.8	12.4	18.6#



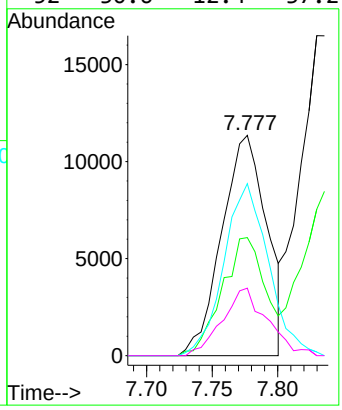


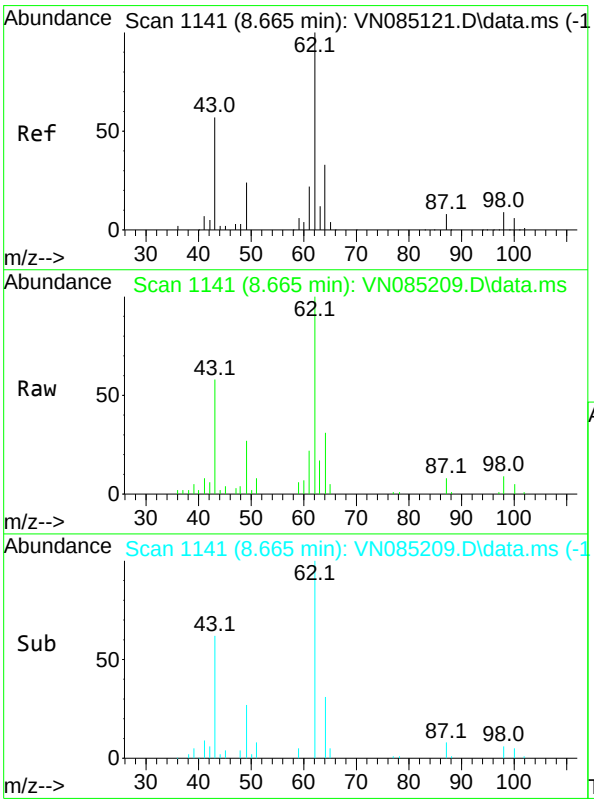
#35
Methacrylonitrile
Concen: 20.039 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 41 Resp: 27030

Ion	Ratio	Lower	Upper
41	100		
39	53.6	24.4	73.2
67	78.1	37.0	110.9
52	30.6	12.4	37.2

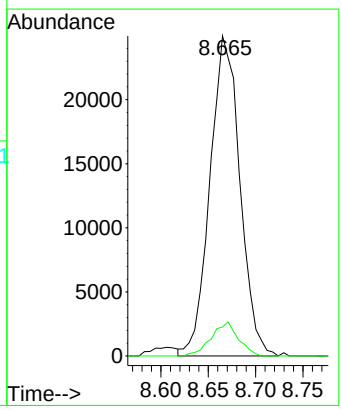


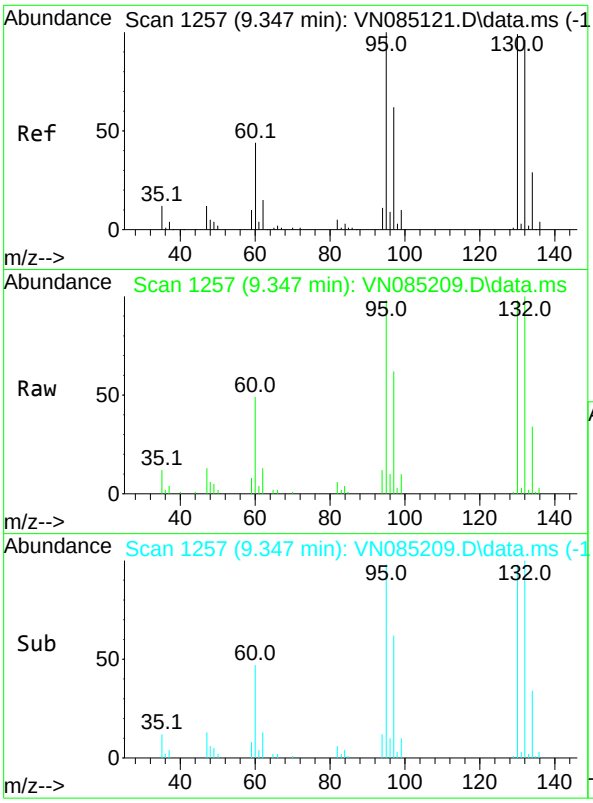


#36
1,2-Dichloroethane
Concen: 19.646 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 62 Resp: 54876

Ion	Ratio	Lower	Upper
62	100		
98	9.6	7.3	10.9



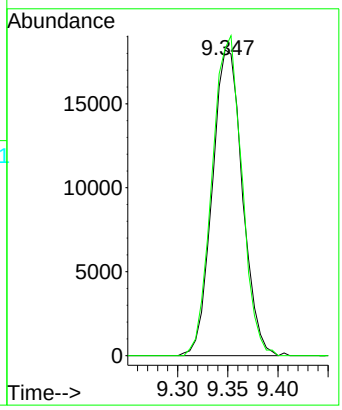


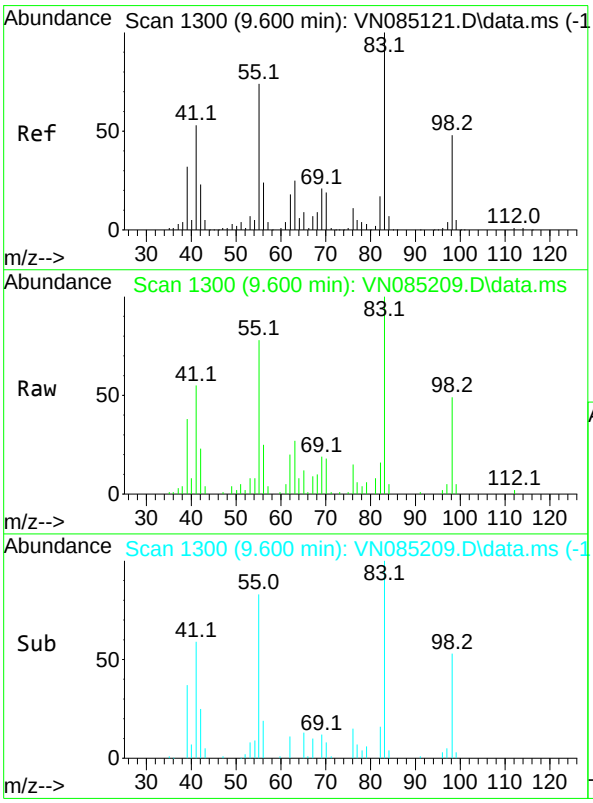
#37
Trichloroethene
Concen: 19.498 ug/l
RT: 9.347 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion:130 Resp: 38098

Ion	Ratio	Lower	Upper
130	100		
95	100.4	76.2	114.4

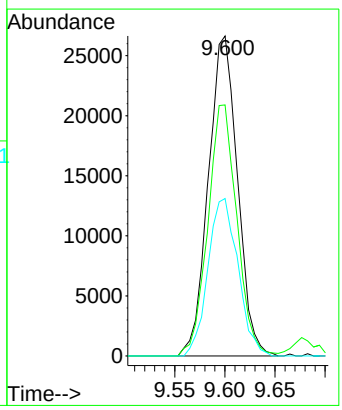


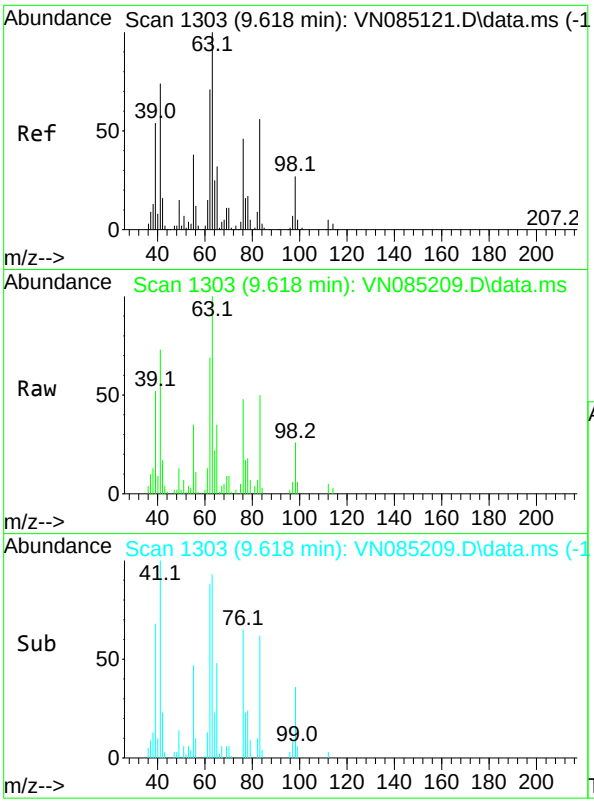


#38
Methylcyclohexane
Concen: 18.974 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 83 Resp: 53887

Ion	Ratio	Lower	Upper
83	100		
55	78.1	41.4	124.4
98	50.6	25.7	77.1



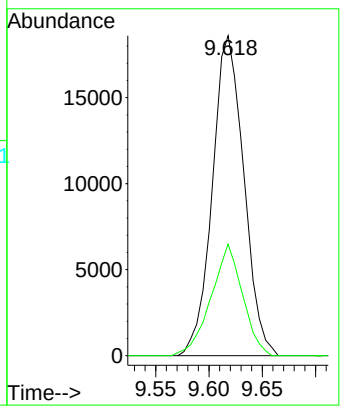


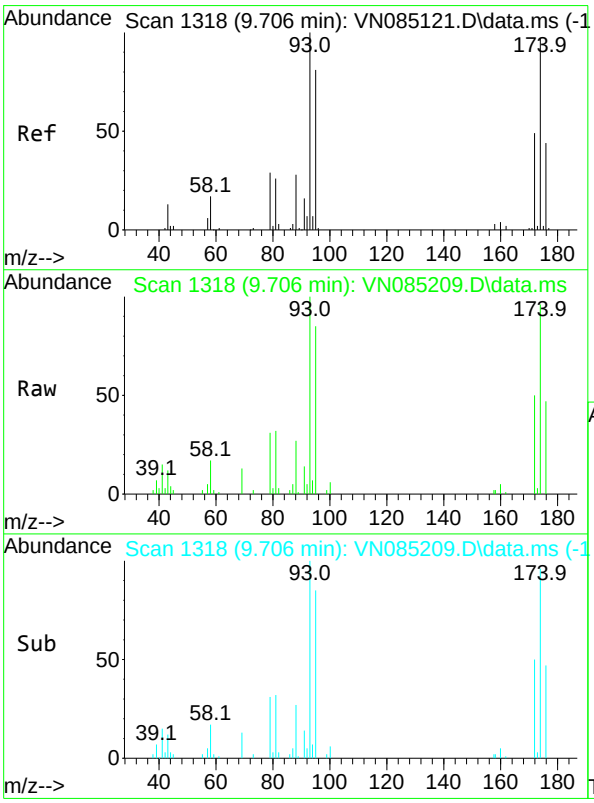
#39
1,2-Dichloropropane
Concen: 19.203 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 63 Resp: 38165

Ion	Ratio	Lower	Upper
63	100		
65	34.9	23.4	35.0

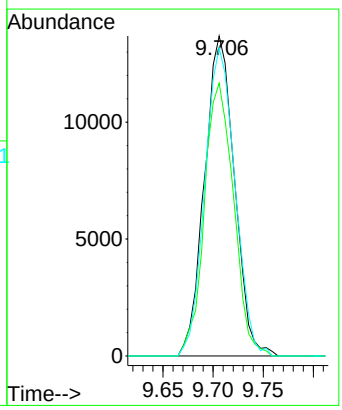


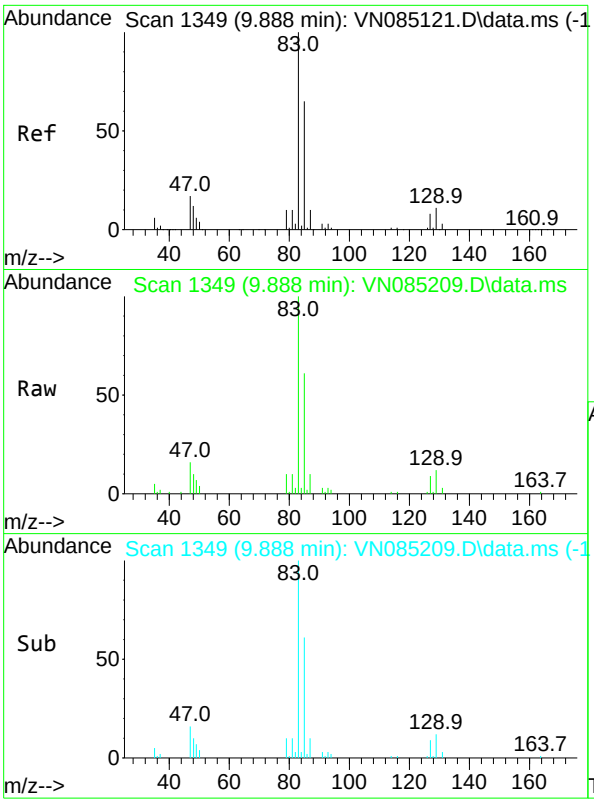


#40
Dibromomethane
Concen: 19.966 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 93 Resp: 28463

Ion	Ratio	Lower	Upper
93	100		
95	83.3	0.0	169.4
174	97.0	0.0	189.8



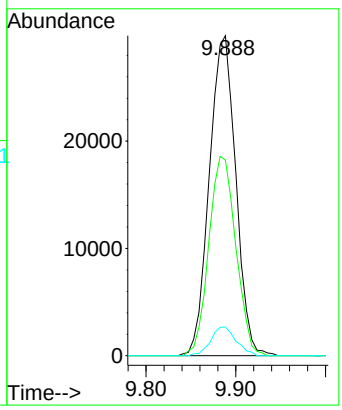


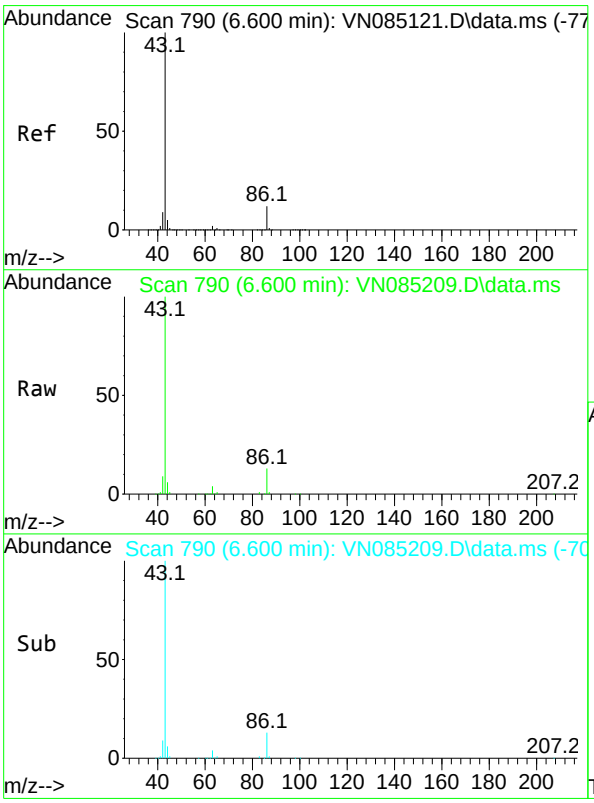
#41
Bromodichloromethane
Concen: 20.024 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 83 Resp: 61025

Ion	Ratio	Lower	Upper
83	100		
85	61.1	54.6	81.8
127	9.0	7.0	10.6

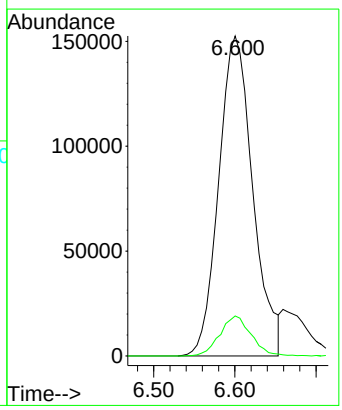


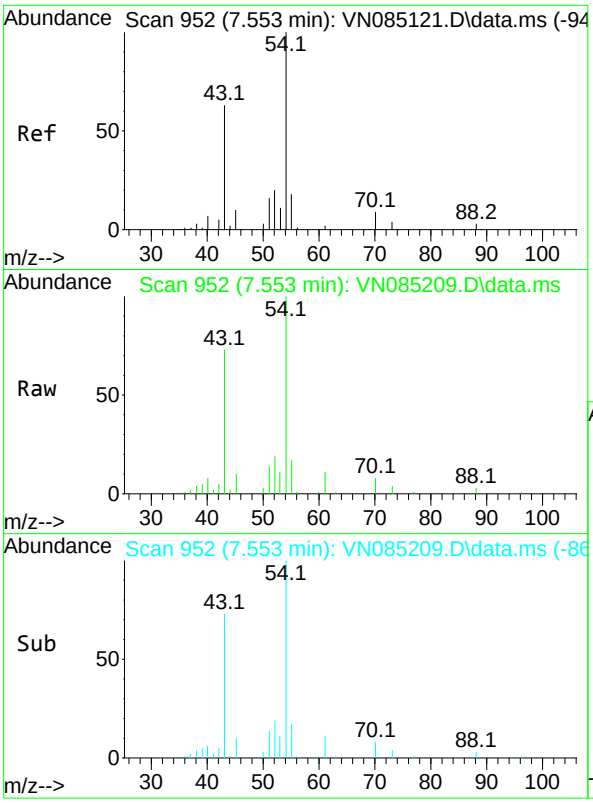


#42
Vinyl Acetate
Concen: 106.188 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 43 Resp: 445381

Ion	Ratio	Lower	Upper
43	100		
86	11.5	9.2	13.8



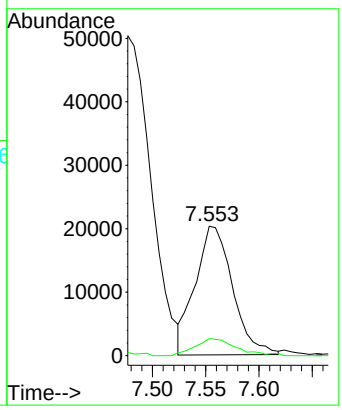


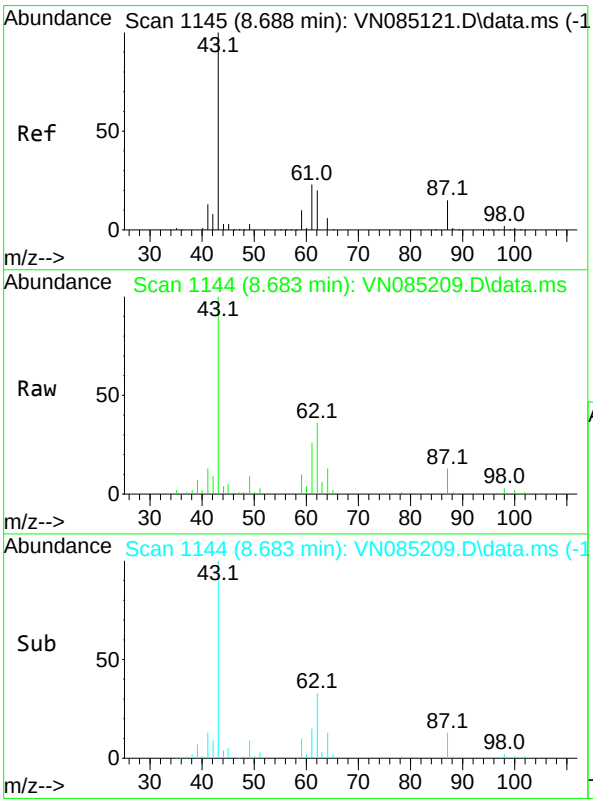
#43
Ethyl Acetate
Concen: 20.734 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 43 Resp: 49449

Ion	Ratio	Lower	Upper
43	100		
45	13.2	13.3	19.9#

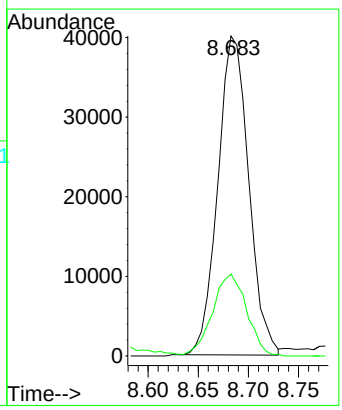


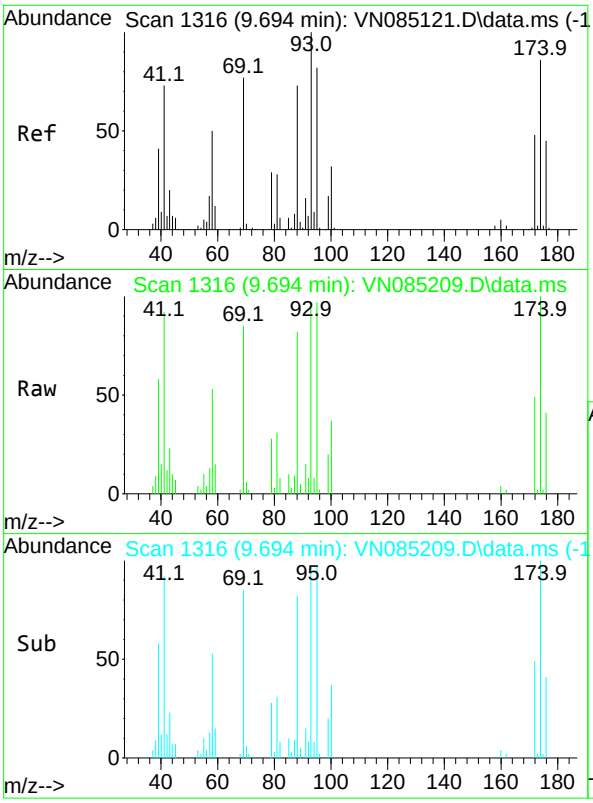


#44
Isopropyl Acetate
Concen: 20.685 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 43 Resp: 85730

Ion	Ratio	Lower	Upper
43	100		
61	28.4	21.5	32.3



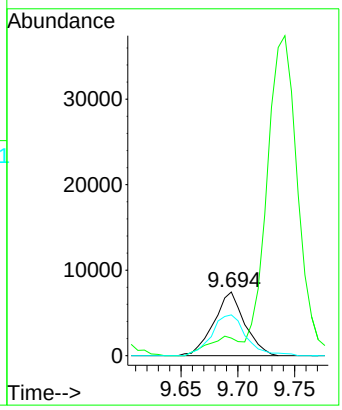


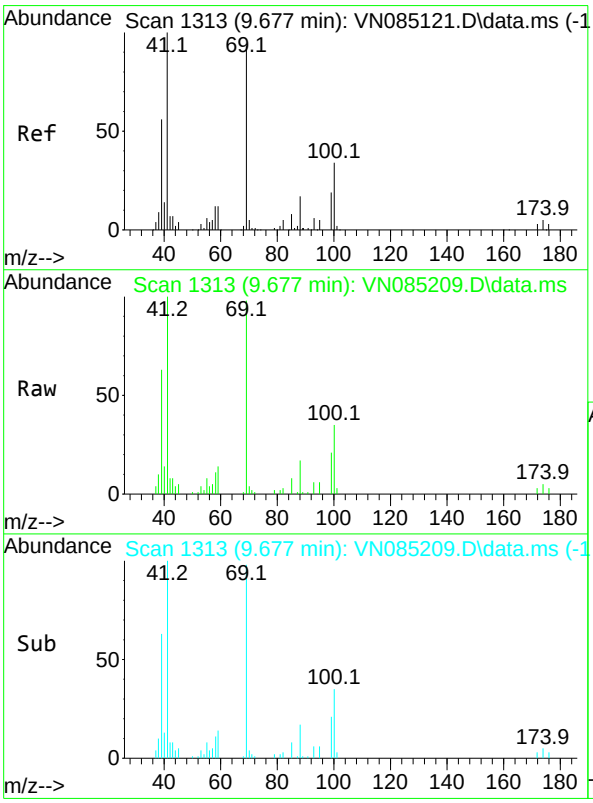
#45
1,4-Dioxane
Concen: 407.451 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 88 Resp: 14082

Ion	Ratio	Lower	Upper
88	100		
43	32.9	21.7	32.5#
58	71.5	52.6	79.0

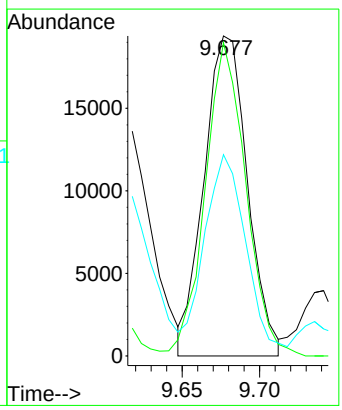


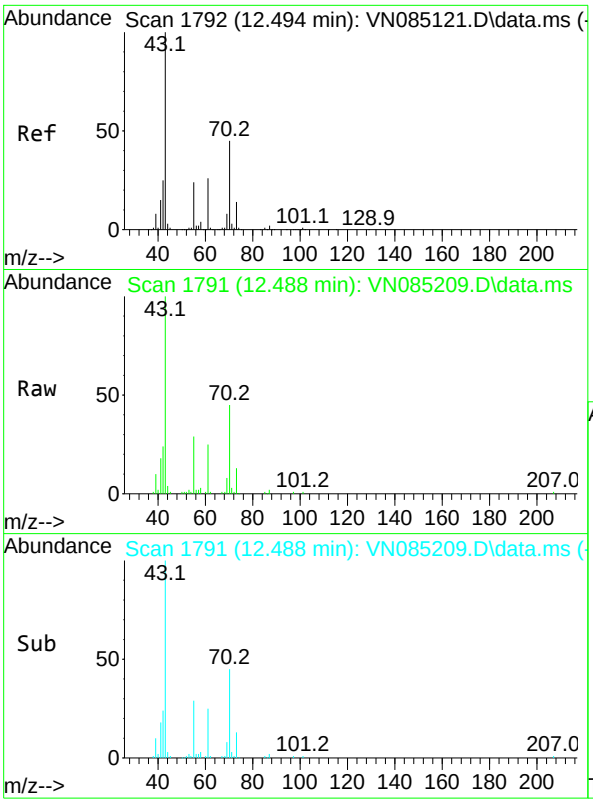


#46
Methyl methacrylate
Concen: 19.915 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 41 Resp: 37774

Ion	Ratio	Lower	Upper
41	100		
69	99.4	46.7	140.0
39	62.0	28.5	85.5



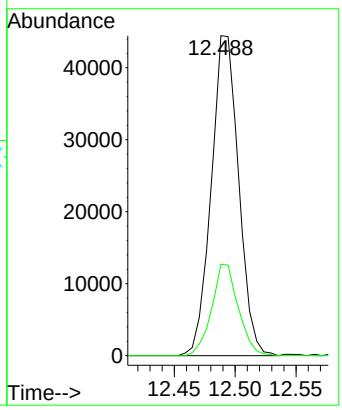


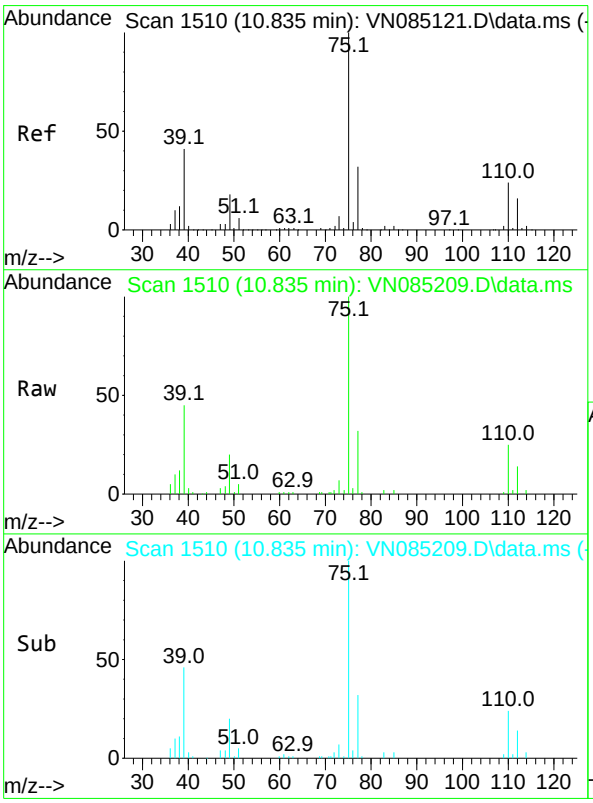
#47
n-amyl Acetate
Concen: 19.945 ug/l
RT: 12.488 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 43 Resp: 69551

Ion	Ratio	Lower	Upper
43	100		
55	27.8	23.3	34.9

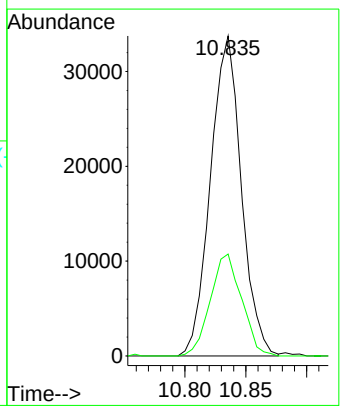


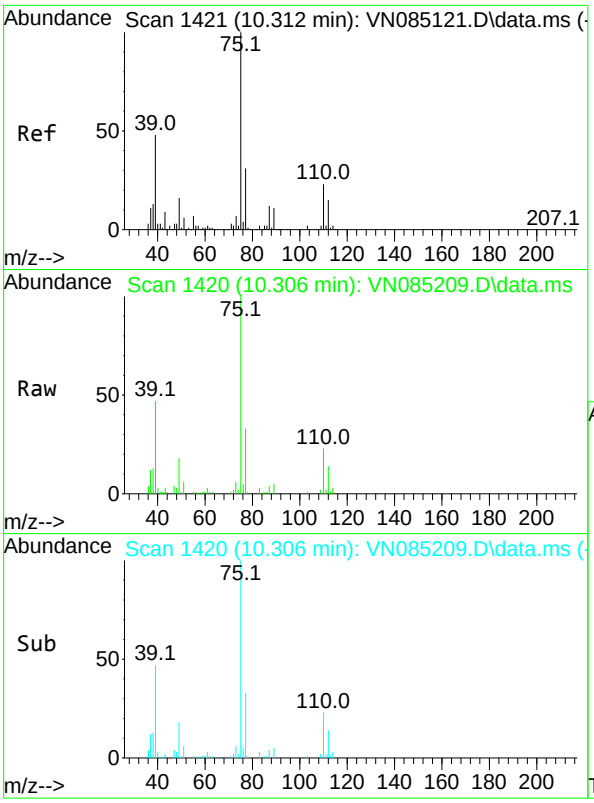


#48
t-1,3-Dichloropropene
Concen: 19.884 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 75 Resp: 59485

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.5	38.3



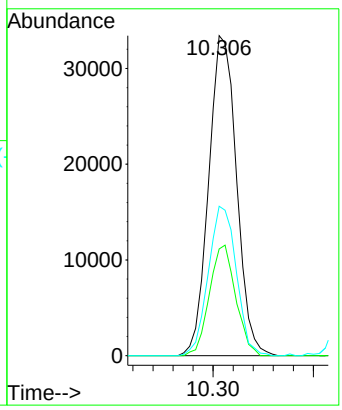


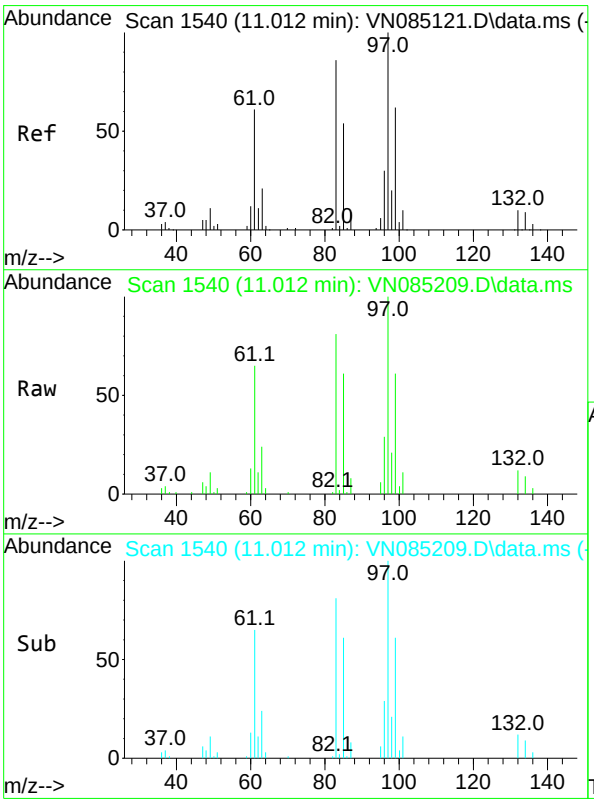
#49
cis-1,3-Dichloropropene
Concen: 19.833 ug/l
RT: 10.306 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 75 Resp: 64591

Ion	Ratio	Lower	Upper
75	100		
77	33.4	23.8	35.6
39	46.7	37.3	55.9

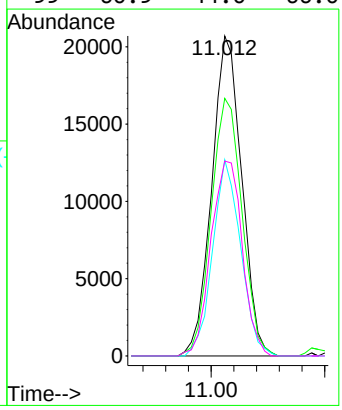


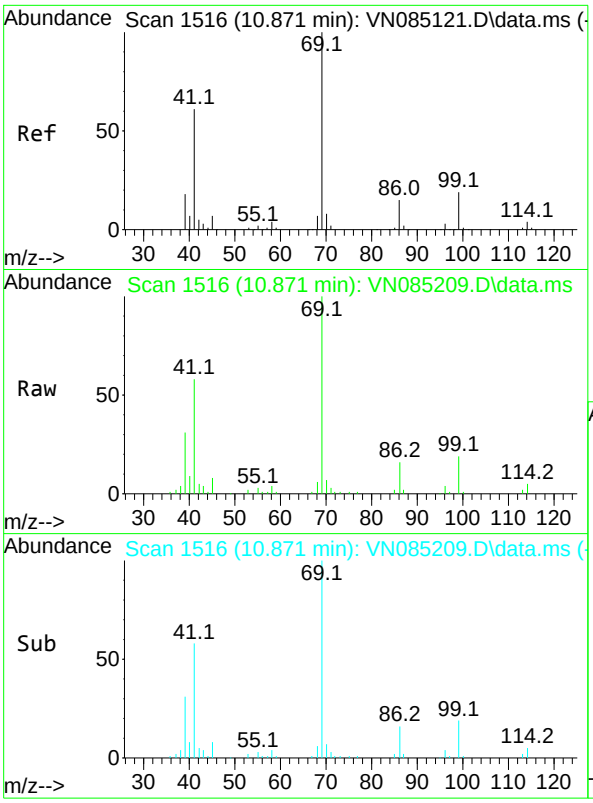


#50
1,1,2-Trichloroethane
Concen: 19.717 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 97 Resp: 37876

Ion	Ratio	Lower	Upper
97	100		
83	80.5	65.8	98.8
85	61.3	40.8	61.2#
99	60.9	44.0	66.0



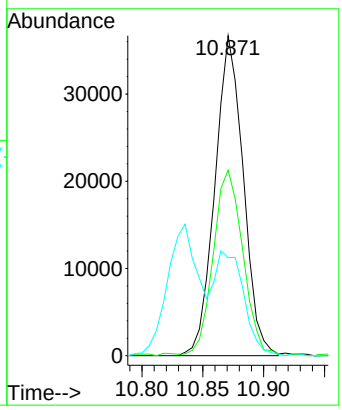


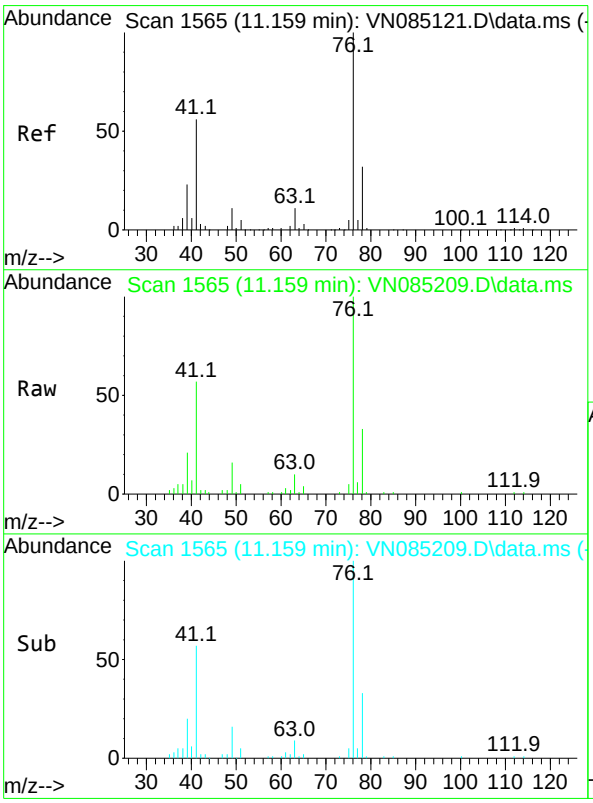
#51
Ethyl methacrylate
Concen: 20.365 ug/l
RT: 10.871 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 69 Resp: 59503

Ion	Ratio	Lower	Upper
69	100		
41	57.5	32.1	96.3
39	30.2	18.8	56.4

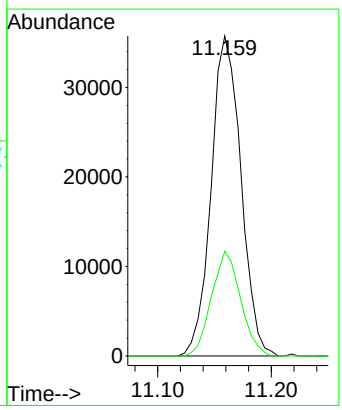


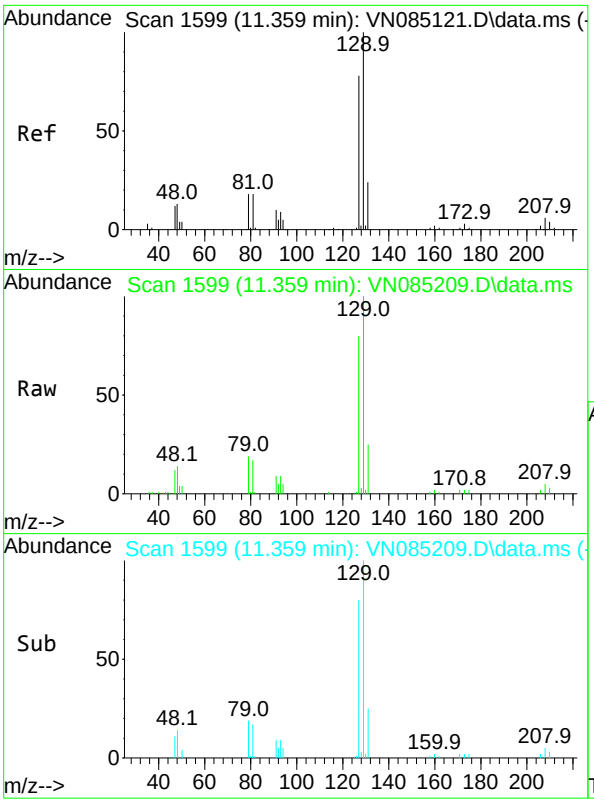


#52
1,3-Dichloropropane
Concen: 20.232 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 76 Resp: 65044

Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	65.6



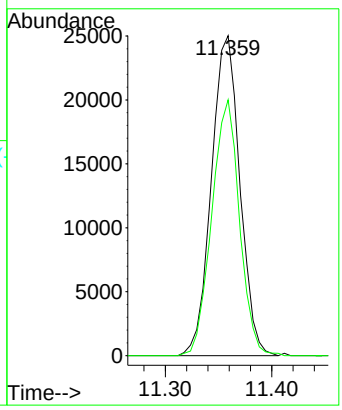


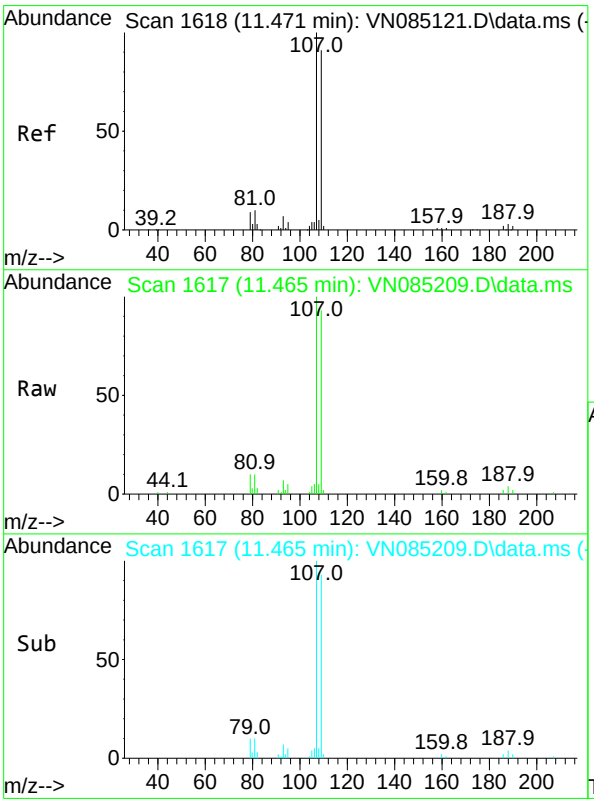
#53
Dibromochloromethane
Concen: 19.848 ug/l
RT: 11.359 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion:129 Resp: 46465

Ion	Ratio	Lower	Upper
129	100		
127	77.8	37.3	111.9

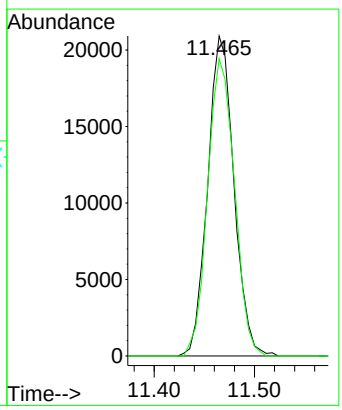


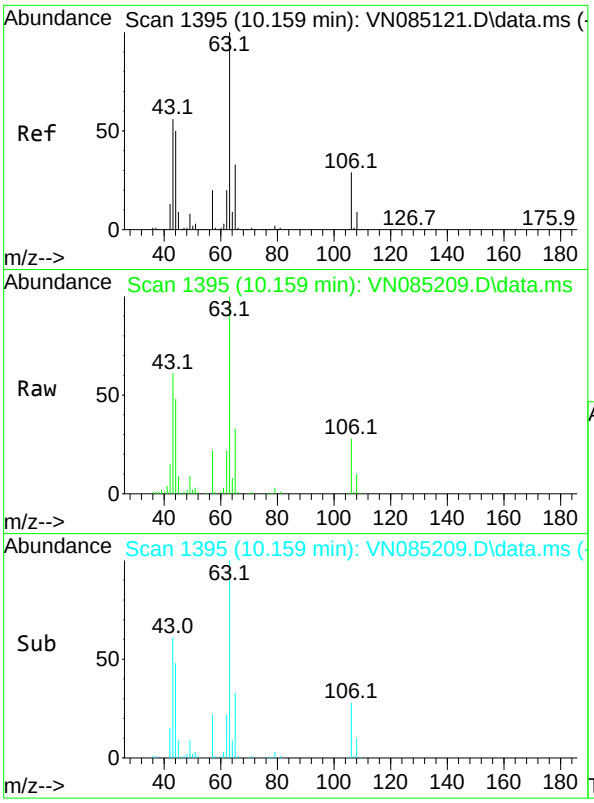


#54
1,2-Dibromoethane
Concen: 19.669 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:107 Resp: 38069

Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.2	112.8



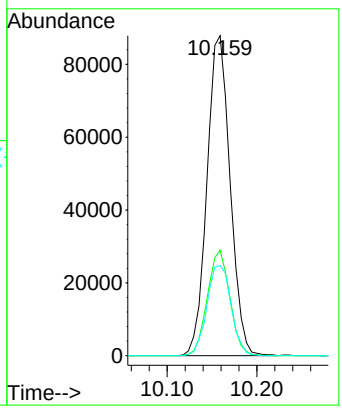


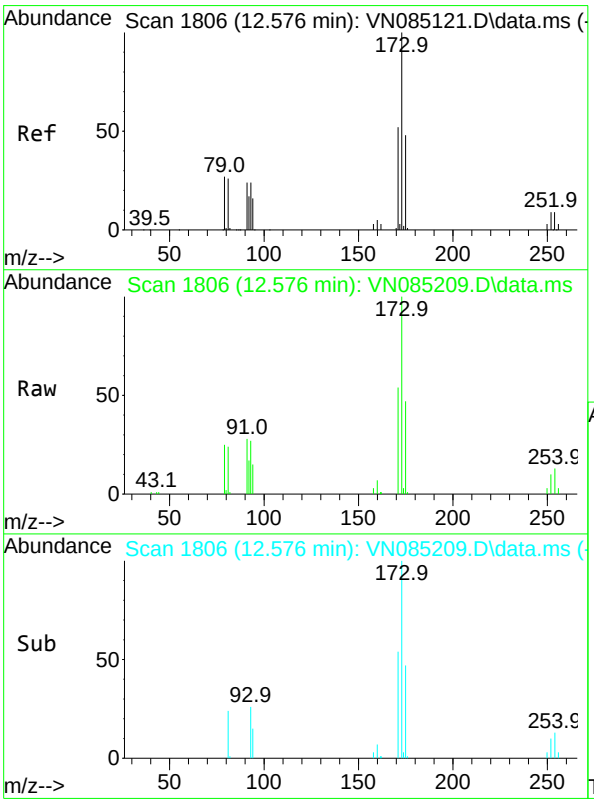
#55
2-Chloroethyl vinyl ether
Concen: 116.053 ug/l
RT: 10.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 63 Resp: 157517

Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.9	38.9
106	29.3	23.5	35.3

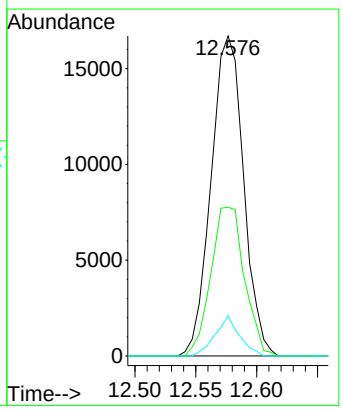


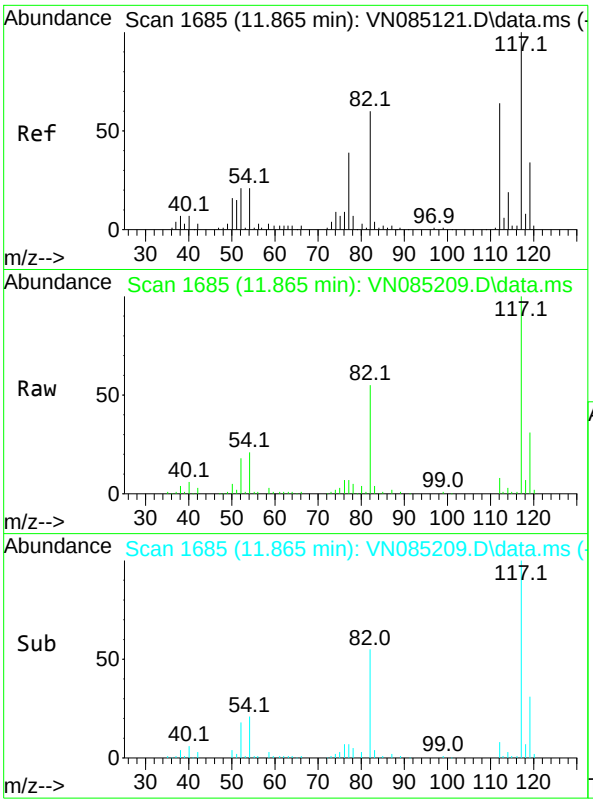


#56
Bromoform
Concen: 19.753 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:173 Resp: 31005

Ion	Ratio	Lower	Upper
173	100		
175	48.1	40.2	60.2
254	9.4	6.2	9.4#



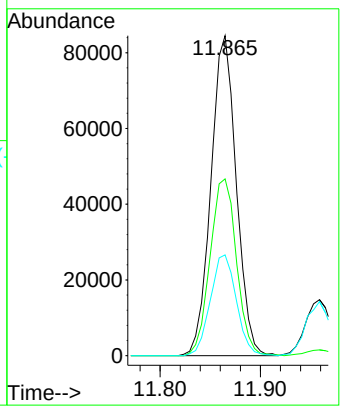


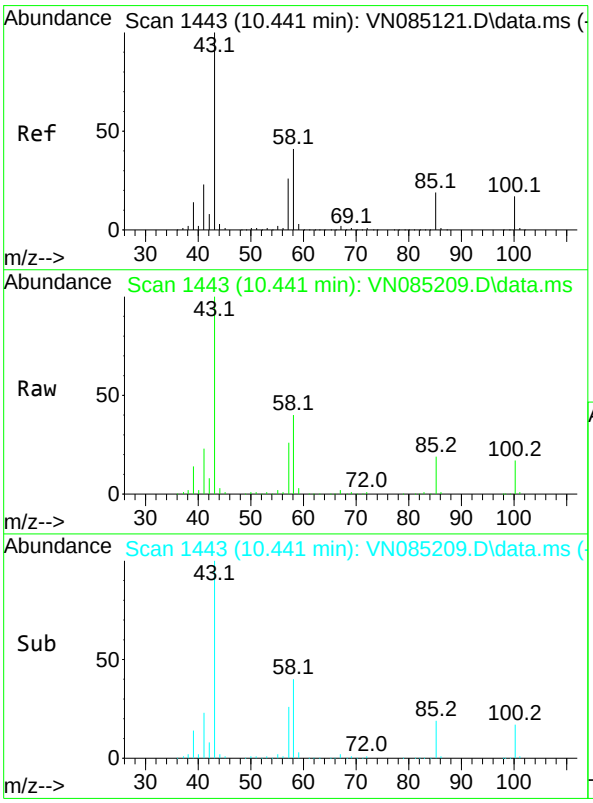
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion:117 Resp: 148673

Ion	Ratio	Lower	Upper
117	100		
82	57.5	44.2	66.4
119	32.3	25.4	38.2

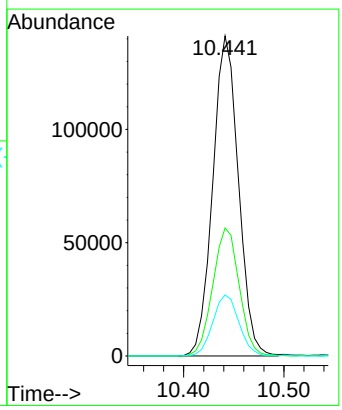


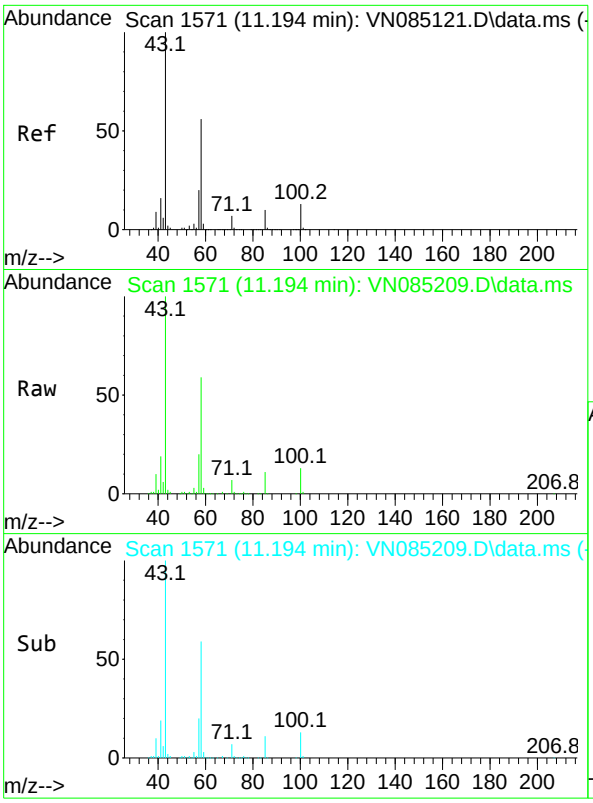


#58
4-Methyl-2-Pentanone
Concen: 103.526 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 43 Resp: 251194

Ion	Ratio	Lower	Upper
43	100		
58	41.2	31.6	47.4
85	19.4	15.0	22.6



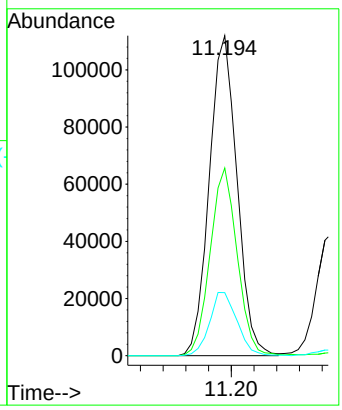


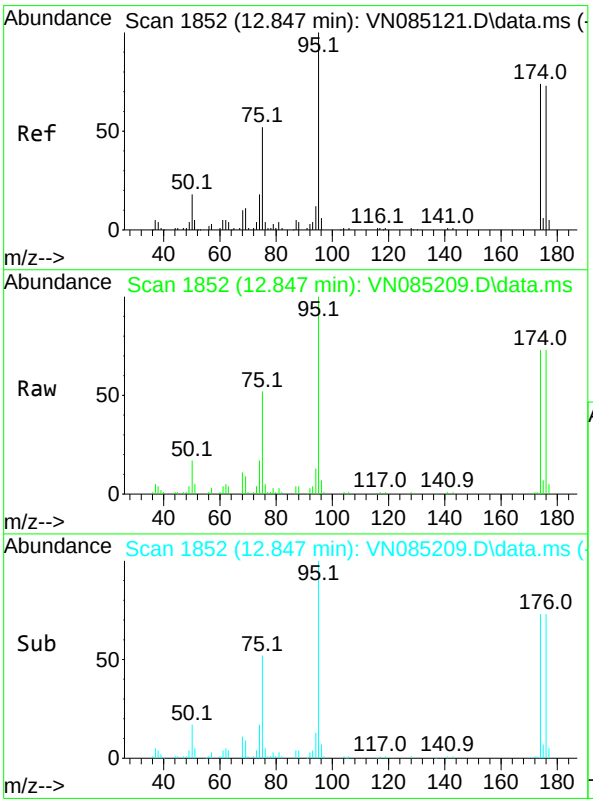
#59
2-Hexanone
Concen: 103.278 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 43 Resp: 189877

Ion	Ratio	Lower	Upper
43	100		
58	57.1	43.6	65.4
57	19.6	15.4	23.0

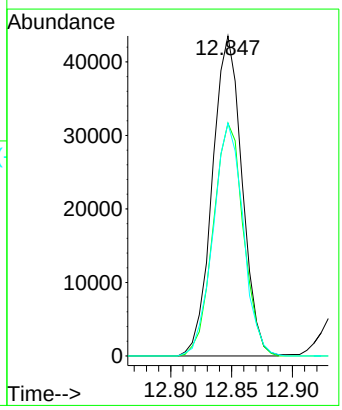


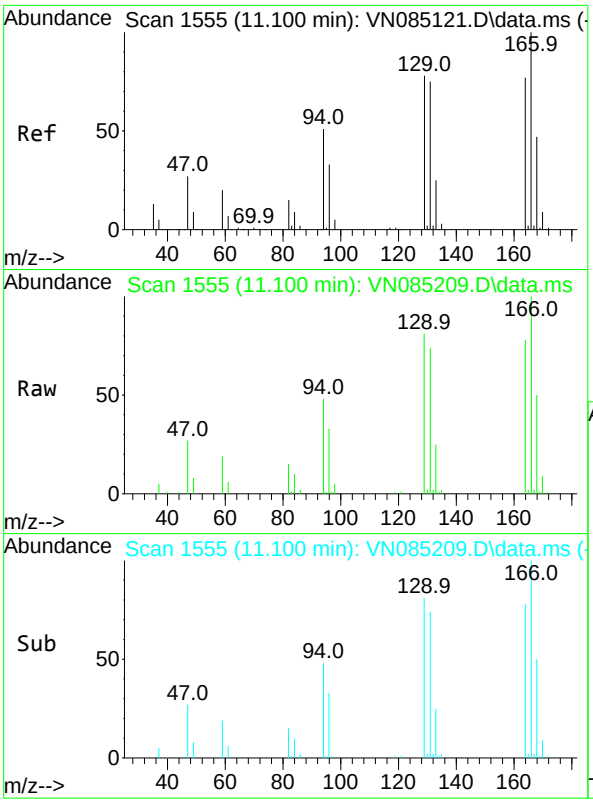


#60
4-Bromofluorobenzene
Concen: 30.022 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 95 Resp: 73852

Ion	Ratio	Lower	Upper
95	100		
174	74.1	60.3	90.5
176	73.5	57.4	86.0



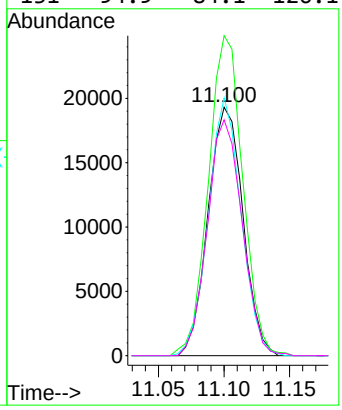


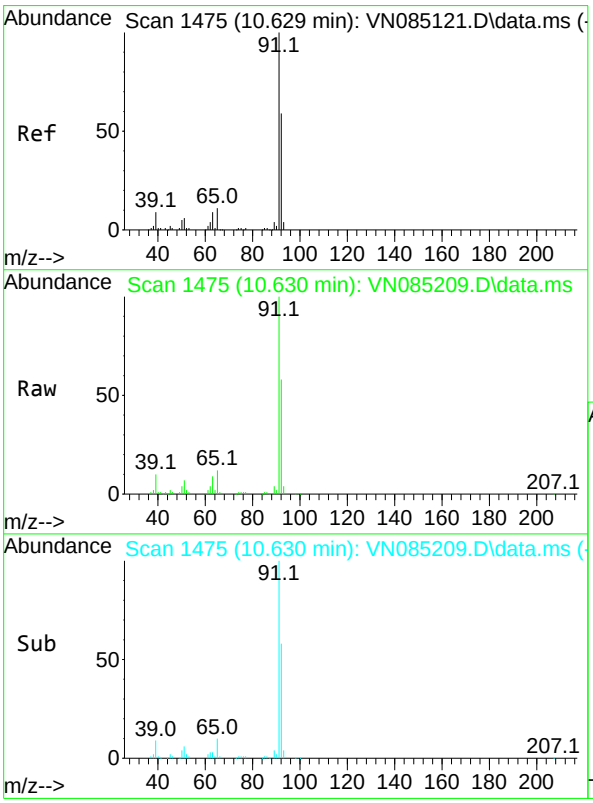
#61
Tetrachloroethene
Concen: 19.837 ug/l
RT: 11.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion:164 Resp: 35715

Ion	Ratio	Lower	Upper
164	100		
166	127.5	103.8	155.8
129	102.9	84.2	126.4
131	94.9	84.1	126.1

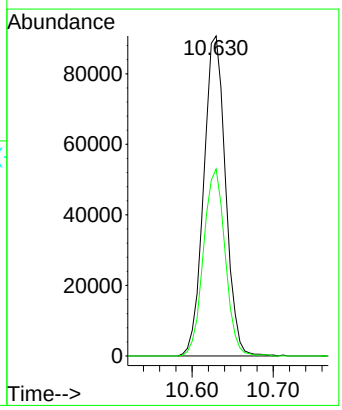


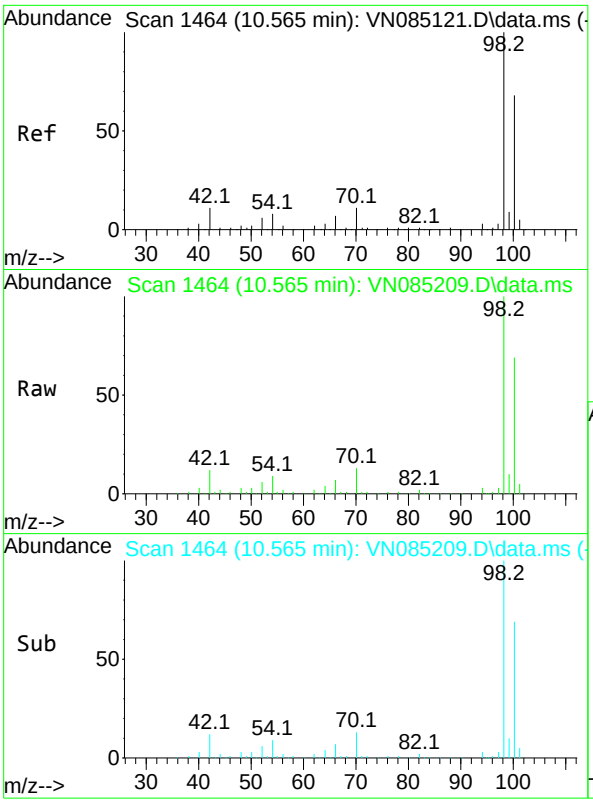


#62
Toluene
Concen: 19.542 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 91 Resp: 169444

Ion	Ratio	Lower	Upper
91	100		
92	57.9	46.5	69.7



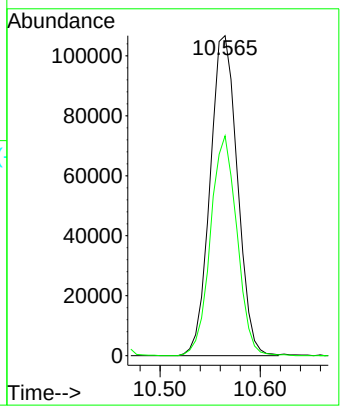


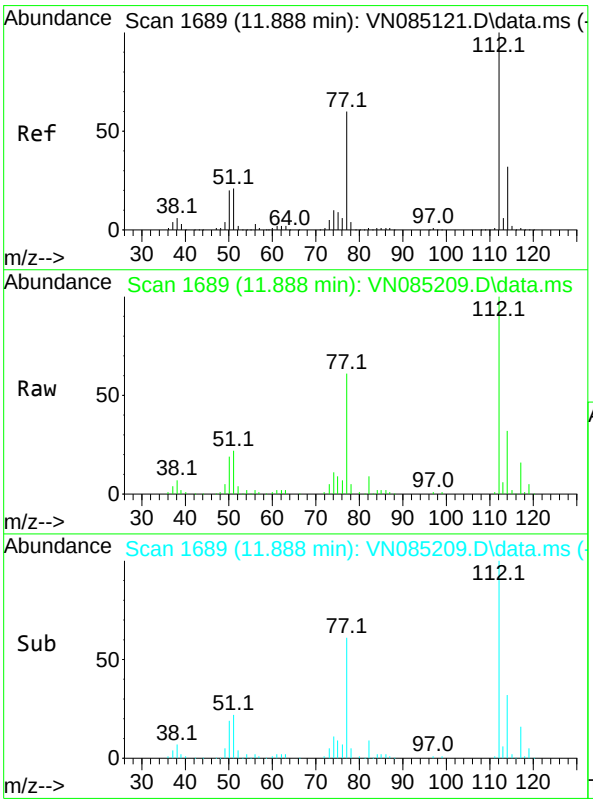
#63
Toluene-d8
Concen: 29.009 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 98 Resp: 202306

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.0	78.0

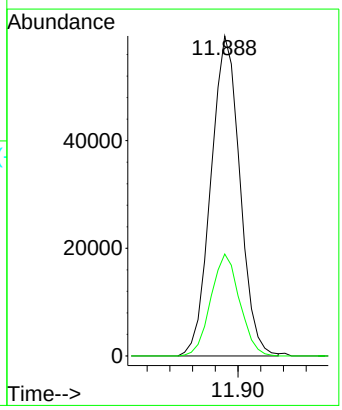


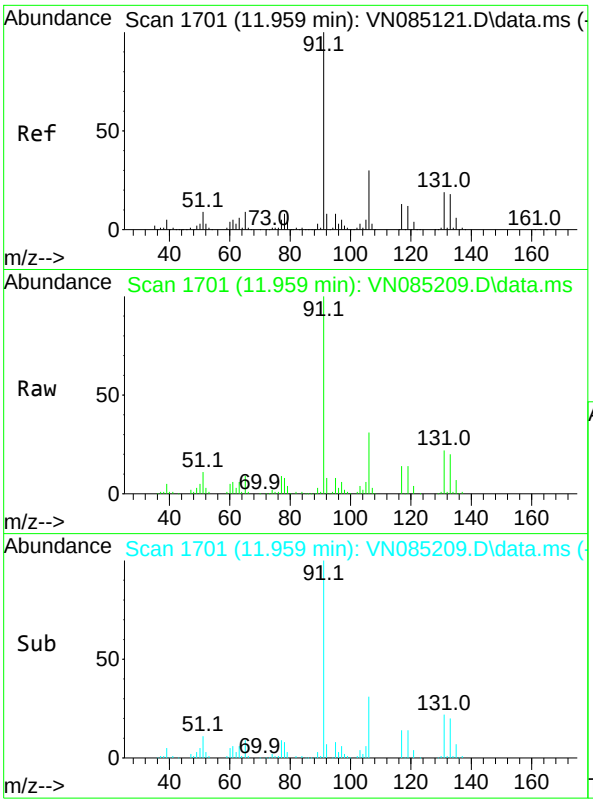


#64
Chlorobenzene
Concen: 19.669 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:112 Resp: 105294

Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0



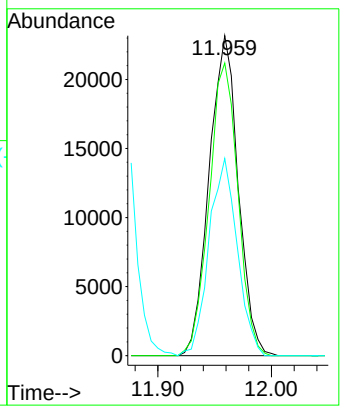


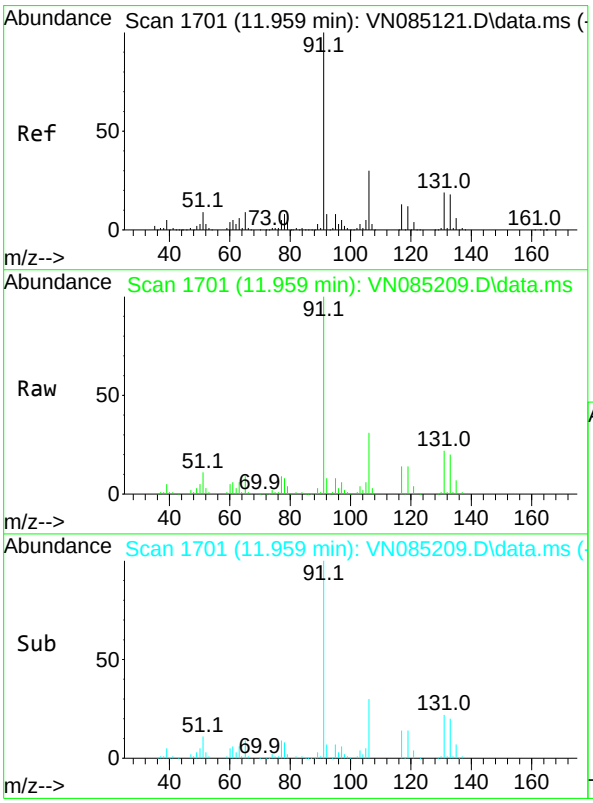
#65
1,1,1,2-Tetrachloroethane
Concen: 20.641 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion:131 Resp: 41250

Ion	Ratio	Lower	Upper
131	100		
133	90.4	0.0	194.0
119	59.8	0.0	131.8

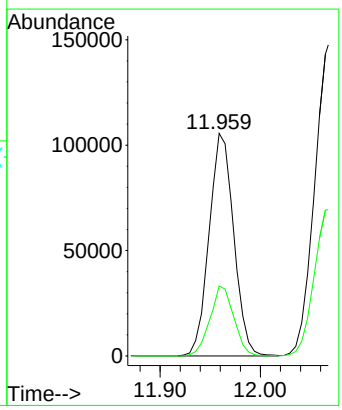


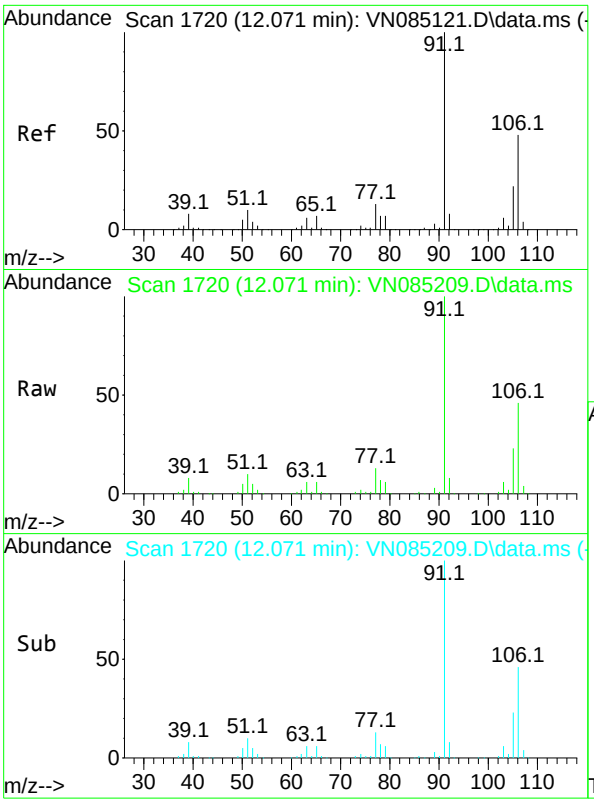


#66
Ethyl Benzene
Concen: 19.592 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 91 Resp: 180260

Ion	Ratio	Lower	Upper
91	100		
106	31.4	23.1	34.7



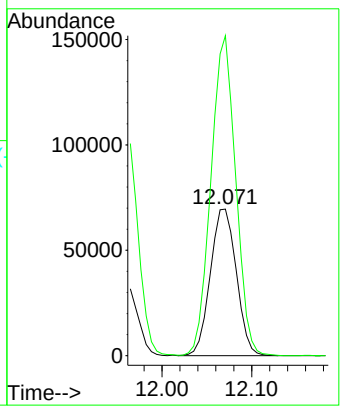


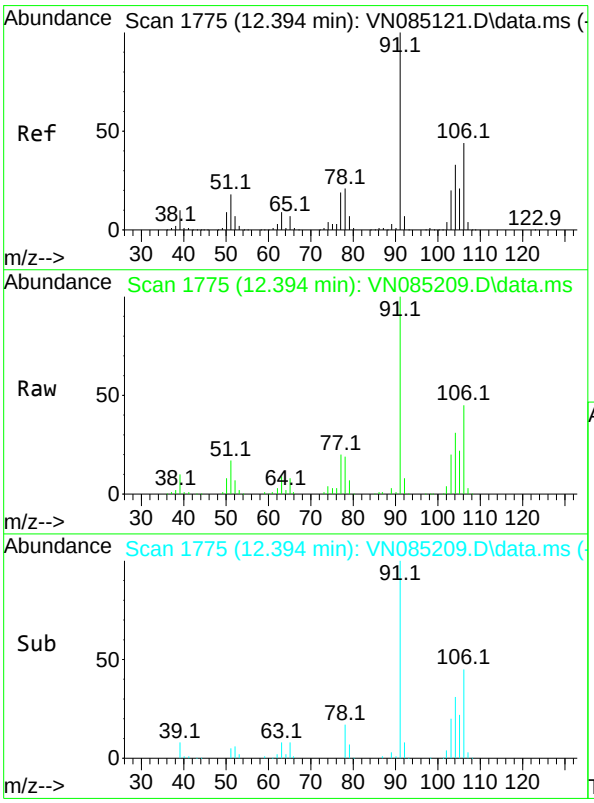
#67
m/p-Xylenes
Concen: 39.552 ug/l
RT: 12.071 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion:106 Resp: 139966

Ion	Ratio	Lower	Upper
106	100		
91	208.0	165.0	247.4

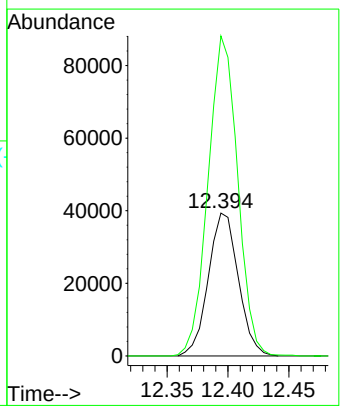


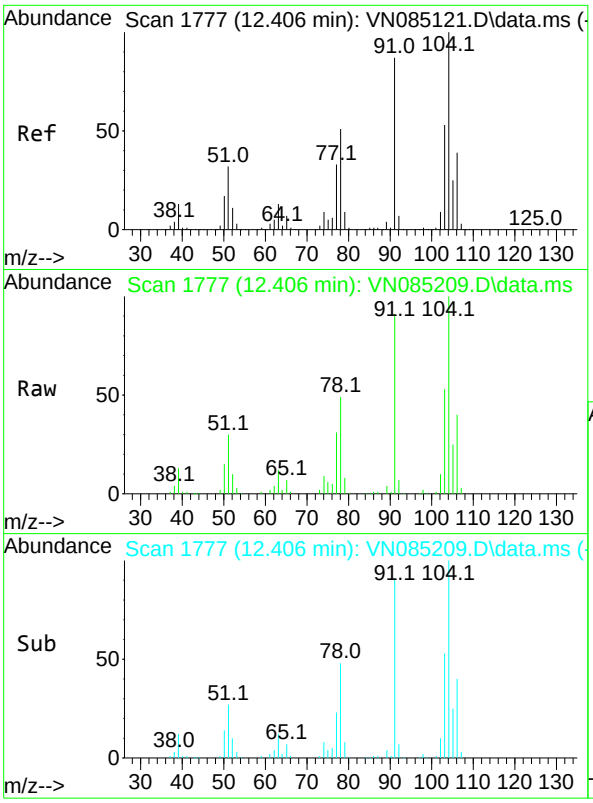


#68
o-Xylene
Concen: 20.311 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:106 Resp: 67500

Ion	Ratio	Lower	Upper
106	100		
91	220.7	112.1	336.4



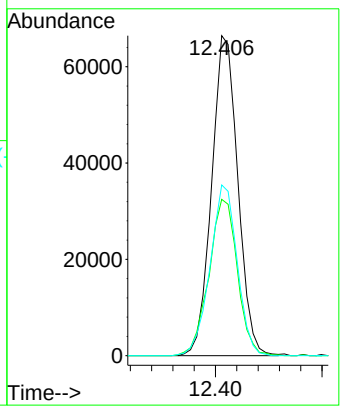


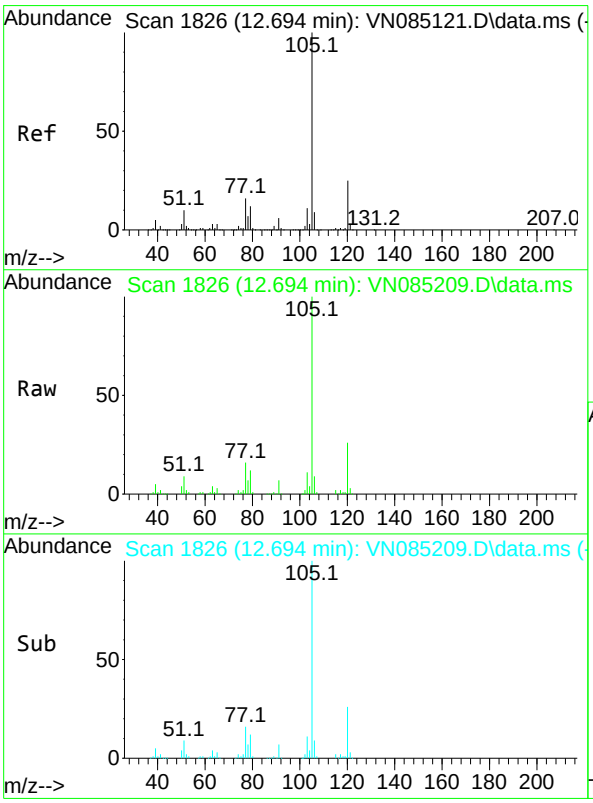
#69
Styrene
Concen: 20.099 ug/l
RT: 12.406 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion:104 Resp: 113349

Ion	Ratio	Lower	Upper
104	100		
78	53.1	42.3	63.5
103	55.3	44.4	66.6

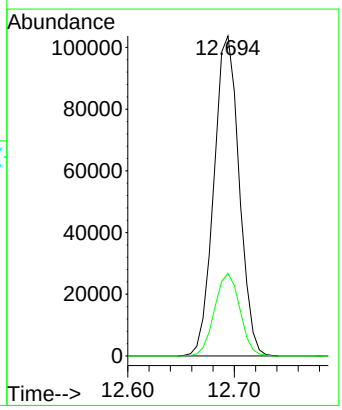


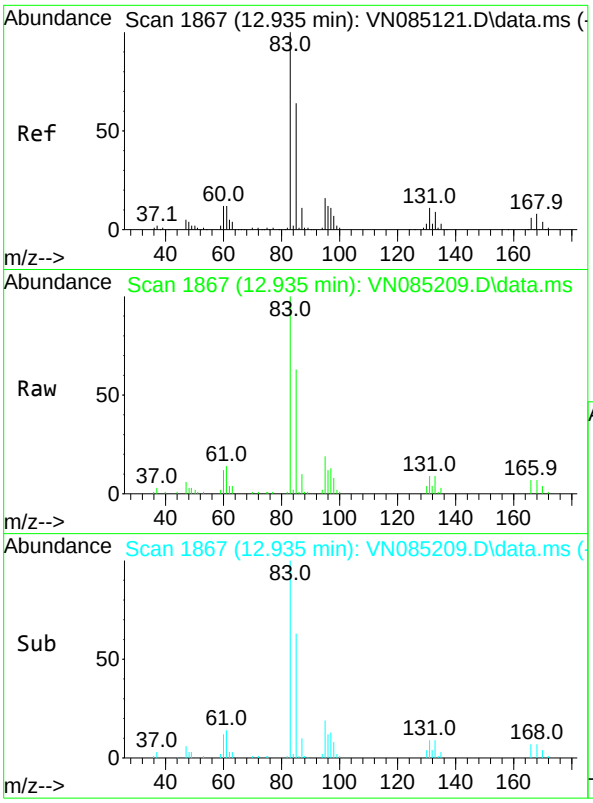


#70
Isopropylbenzene
Concen: 19.942 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:105 Resp: 170936

Ion	Ratio	Lower	Upper
105	100		
120	25.8	18.3	33.9



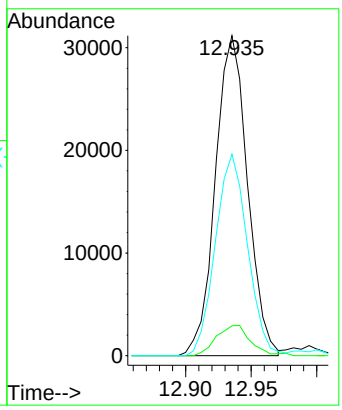


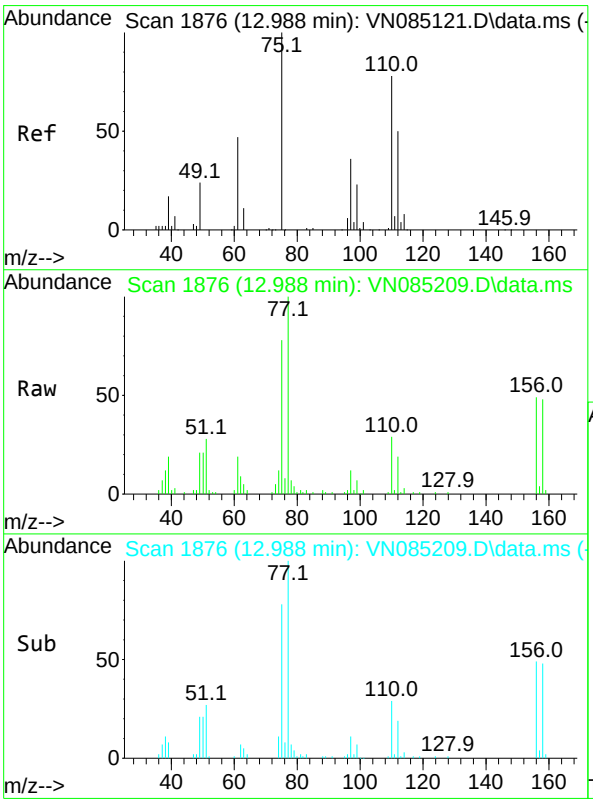
#71
1,1,2,2-Tetrachloroethane
Concen: 20.363 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 83 Resp: 53129

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.1	15.3
85	62.9	31.1	93.5

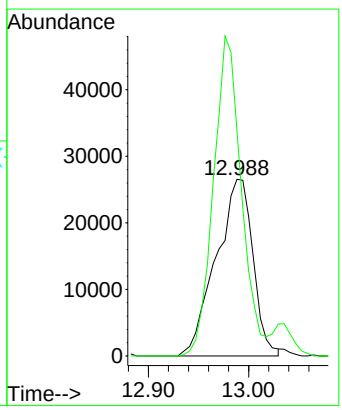


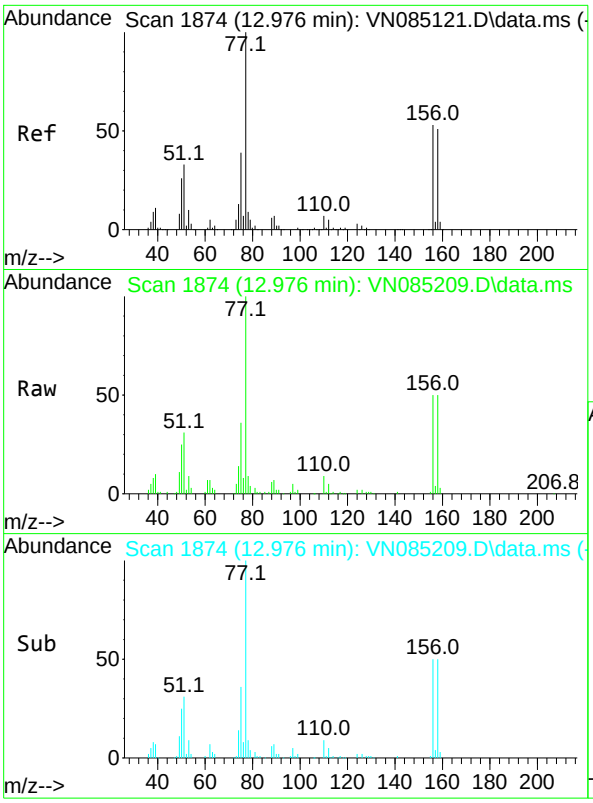


#72
1,2,3-Trichloropropane
Concen: 26.326 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 75 Resp: 67849

Ion	Ratio	Lower	Upper
75	100		
77	136.9	0.0	339.0



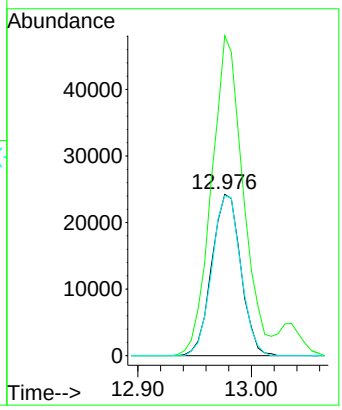


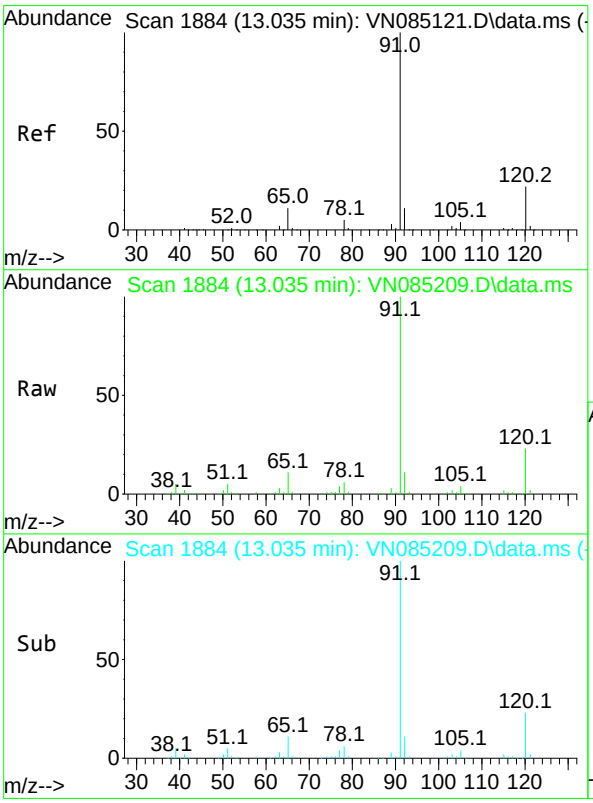
#73
Bromobenzene
Concen: 20.050 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion:156 Resp: 43049

Ion	Ratio	Lower	Upper
156	100		
77	215.7	0.0	430.4
158	98.8	0.0	195.2

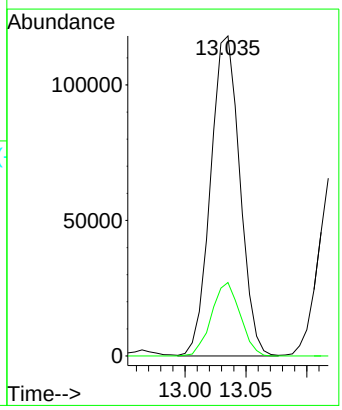


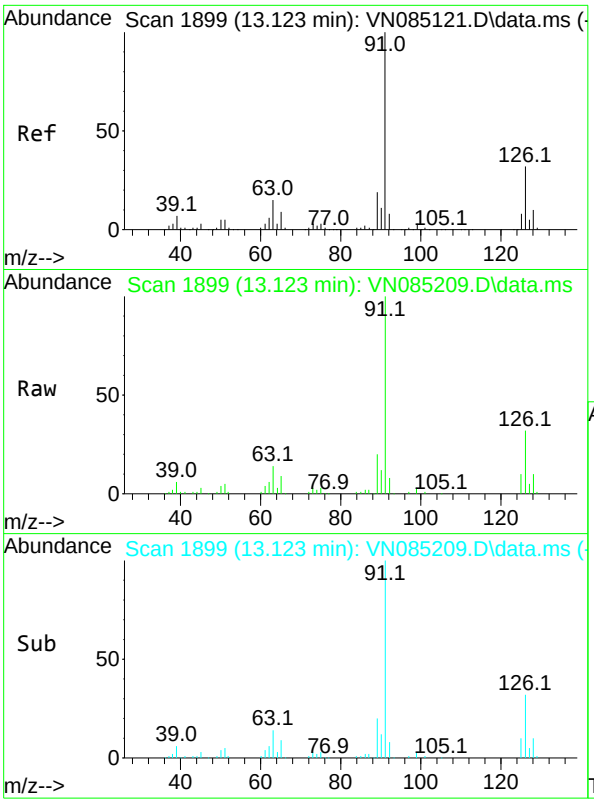


#74
n-propylbenzene
Concen: 19.157 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 91 Resp: 197415

Ion	Ratio	Lower	Upper
91	100		
120	22.4	0.0	44.0



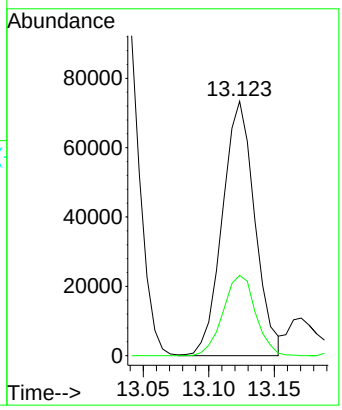


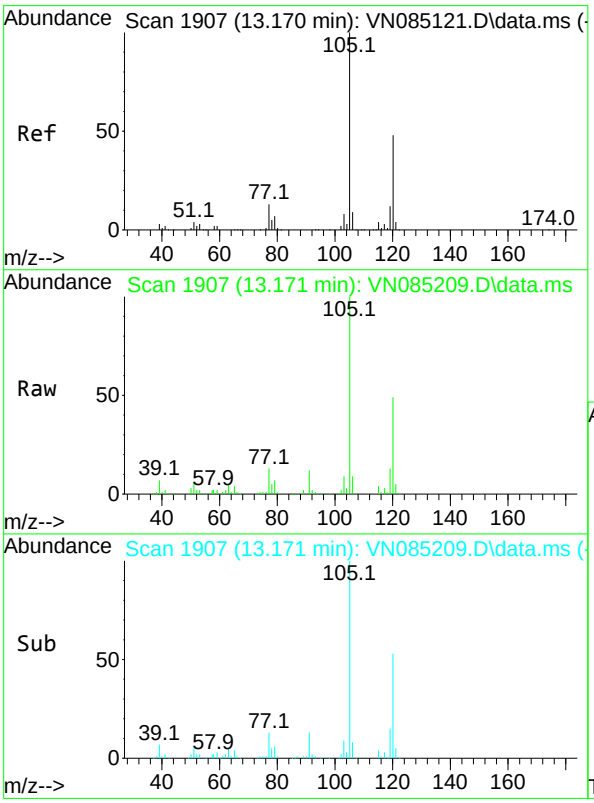
#75
2-Chlorotoluene
Concen: 19.864 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 91 Resp: 126567

Ion	Ratio	Lower	Upper
91	100		
126	31.6	0.0	64.2

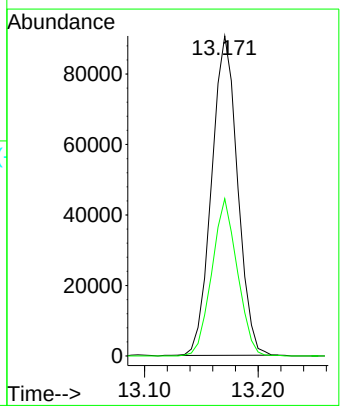


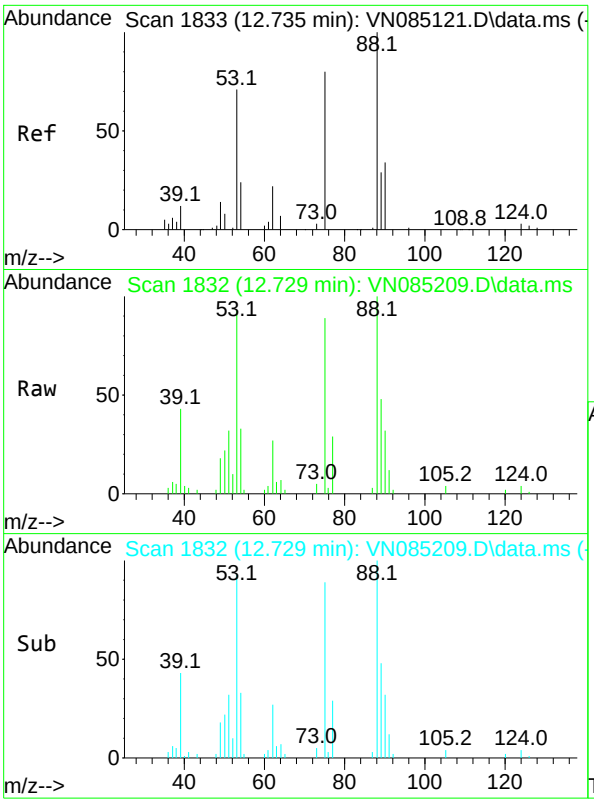


#76
1,3,5-Trimethylbenzene
Concen: 19.583 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:105 Resp: 143813

Ion	Ratio	Lower	Upper
105	100		
120	48.3	0.0	94.4



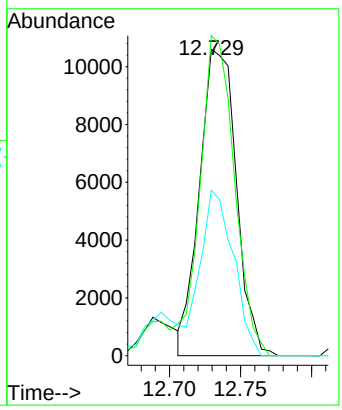


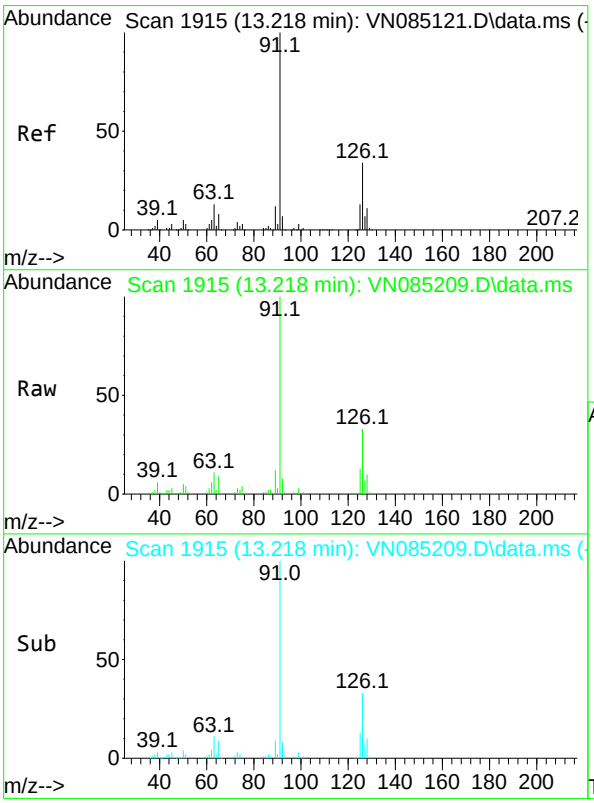
#77
t-1,4-Dichloro-2-butene
Concen: 20.358 ug/l
RT: 12.729 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 75 Resp: 19066

Ion	Ratio	Lower	Upper
75	100		
53	104.4	49.1	147.3
89	54.0	22.9	68.5

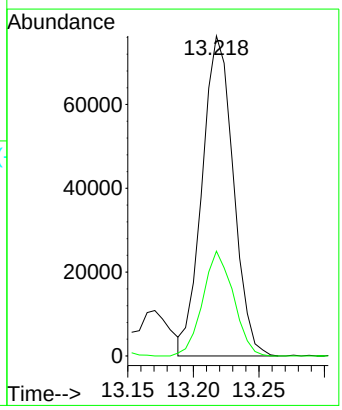


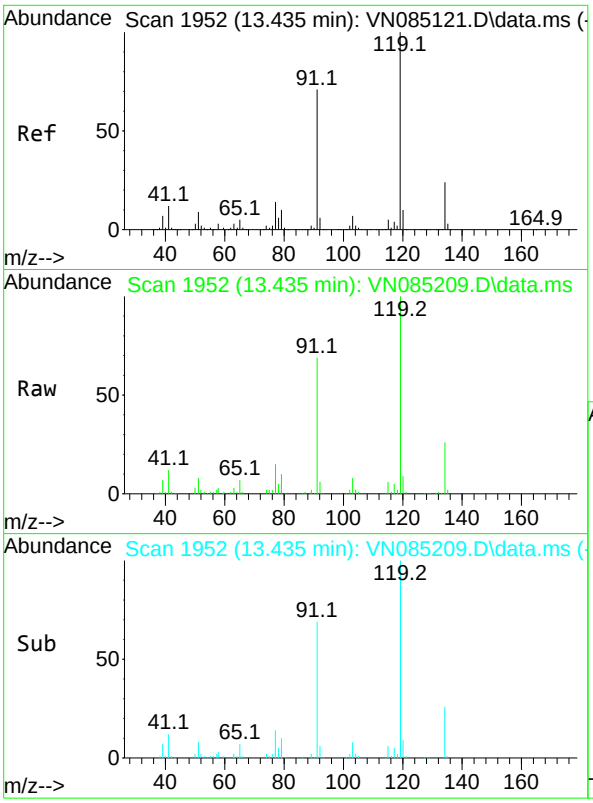


#78
4-Chlorotoluene
Concen: 19.518 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 91 Resp: 126224

Ion	Ratio	Lower	Upper
91	100		
126	32.2	0.0	64.4



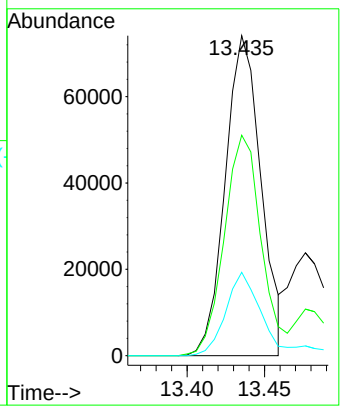


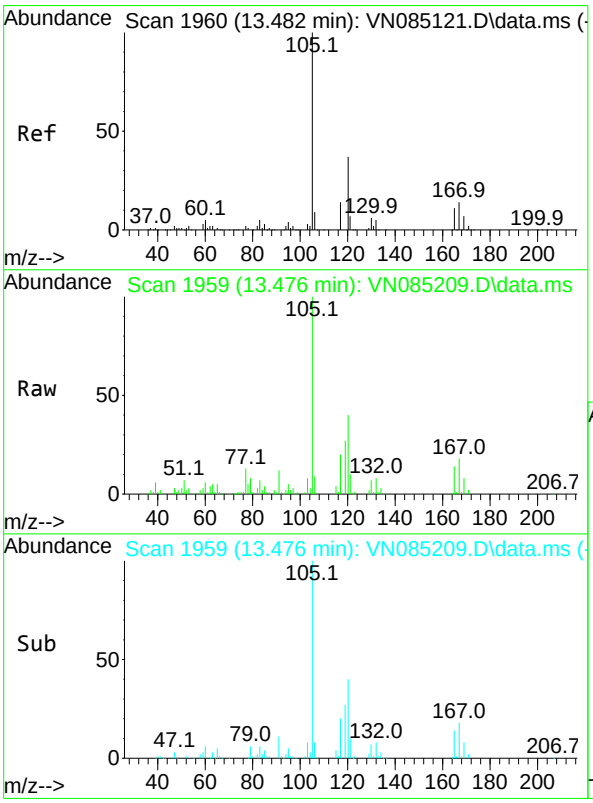
#79
tert-butylbenzene
Concen: 19.754 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion:119 Resp: 119154

Ion	Ratio	Lower	Upper
119	100		
91	71.3	0.0	139.2
134	25.0	0.0	48.0

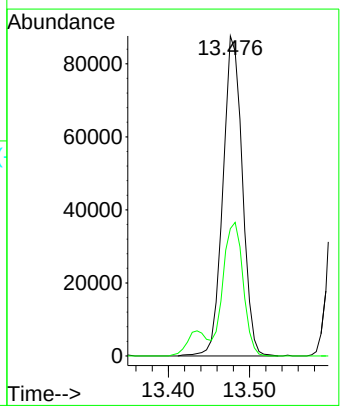


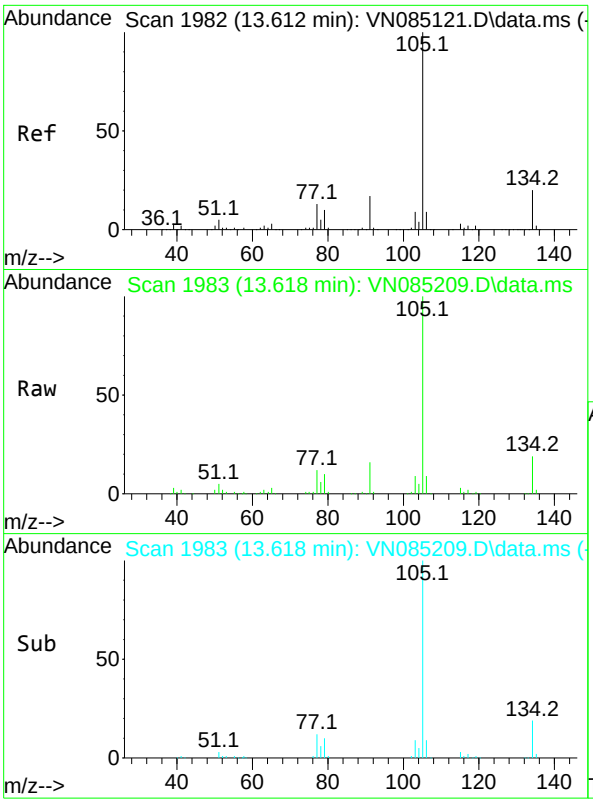


#80
1,2,4-Trimethylbenzene
Concen: 20.096 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:105 Resp: 145777

Ion	Ratio	Lower	Upper
105	100		
120	42.9	0.0	87.4



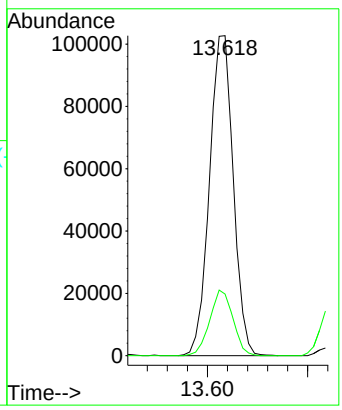


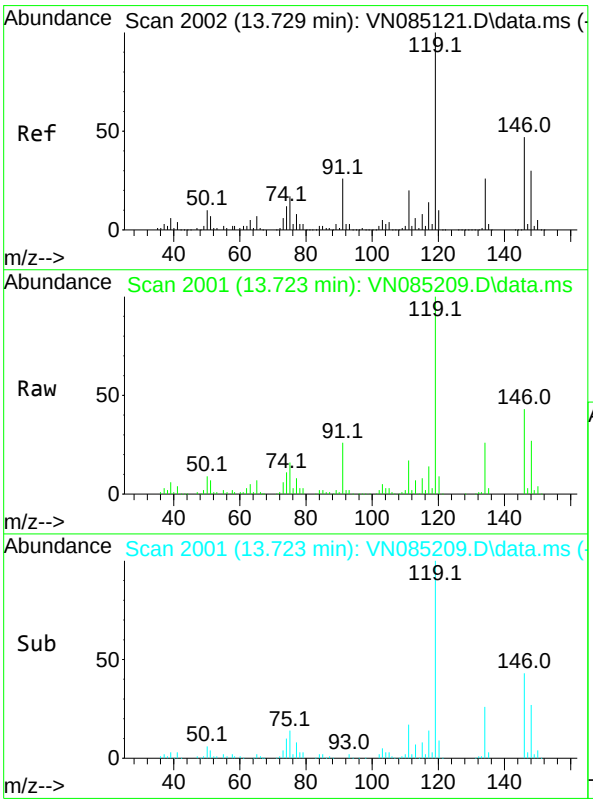
#81
sec-Butylbenzene
Concen: 19.763 ug/l
RT: 13.618 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion:105 Resp: 169356

Ion	Ratio	Lower	Upper
105	100		
134	20.0	0.0	38.0

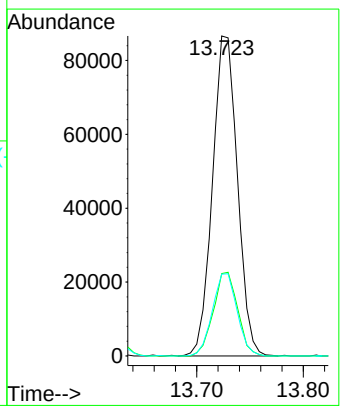


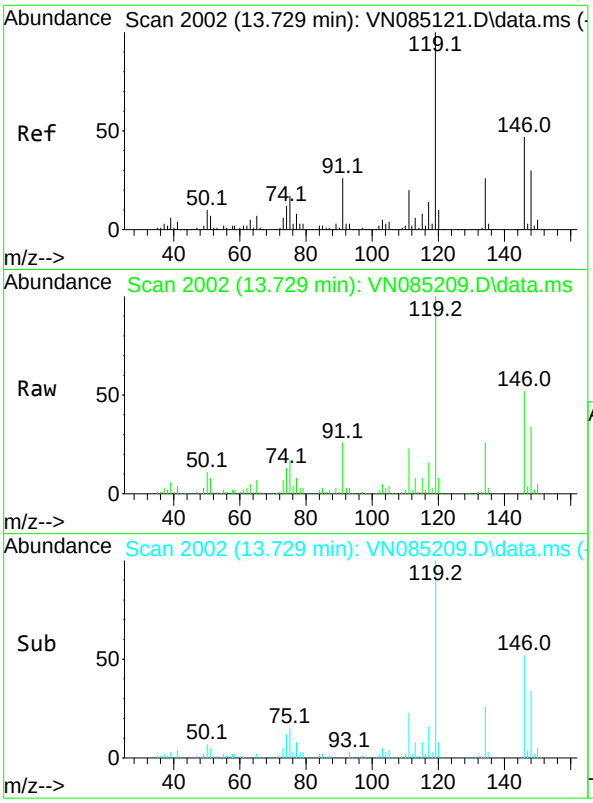


#82
p-Isopropyltoluene
Concen: 19.813 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:119 Resp: 140763

Ion	Ratio	Lower	Upper
119	100		
134	25.5	0.0	51.6
91	25.5	0.0	50.4



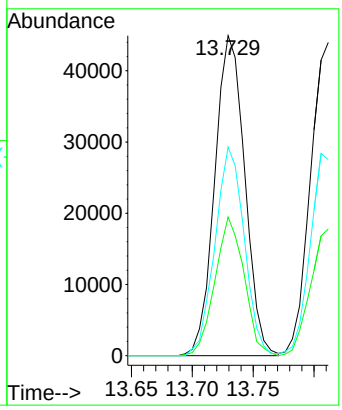


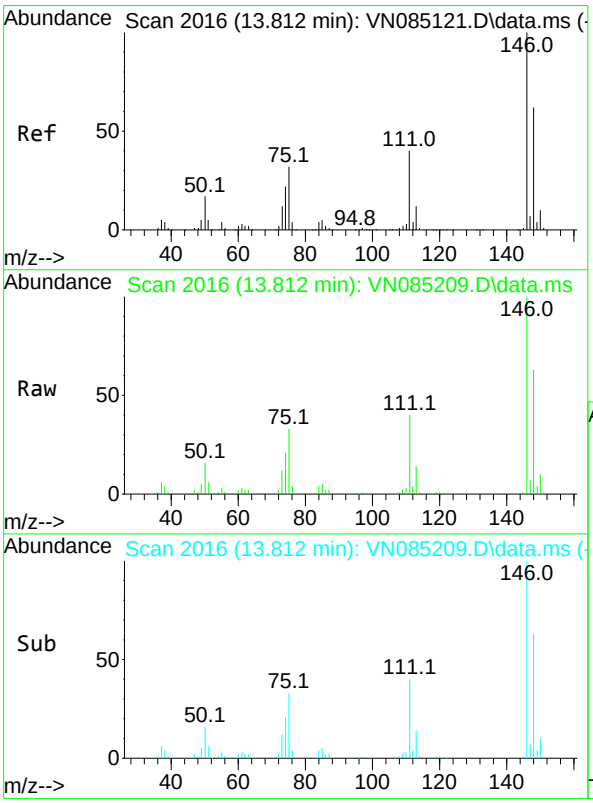
#83
1,3-Dichlorobenzene
Concen: 19.578 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion:146 Resp: 77122

Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.1	63.3
148	63.5	31.8	95.3

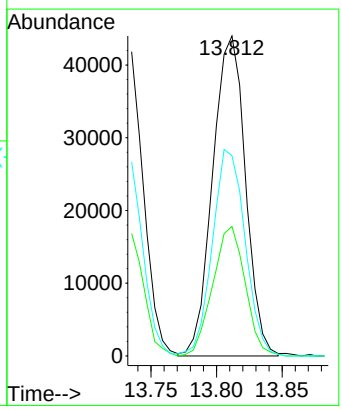


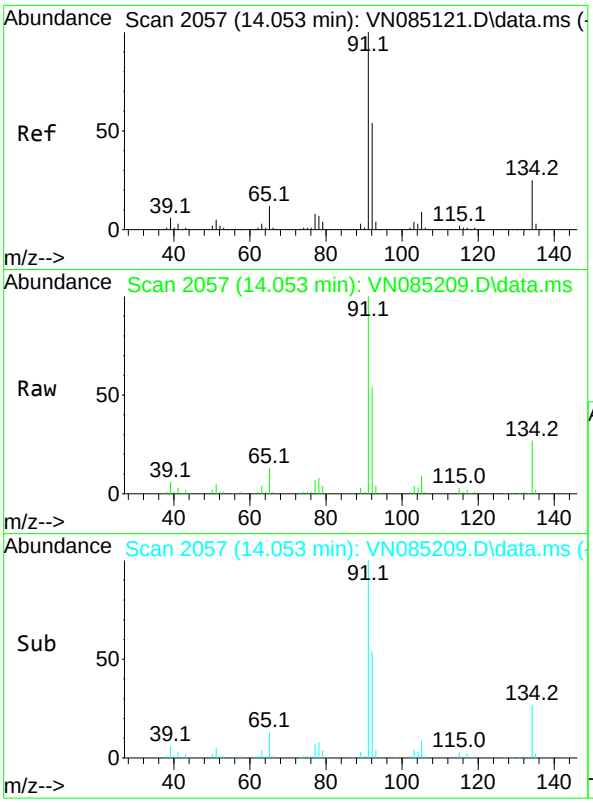


#84
1,4-Dichlorobenzene
Concen: 19.952 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:146 Resp: 76595

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.1	60.3
148	64.3	31.6	94.7



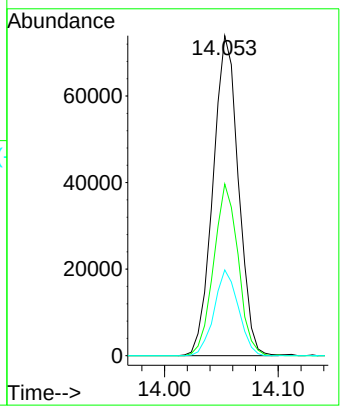


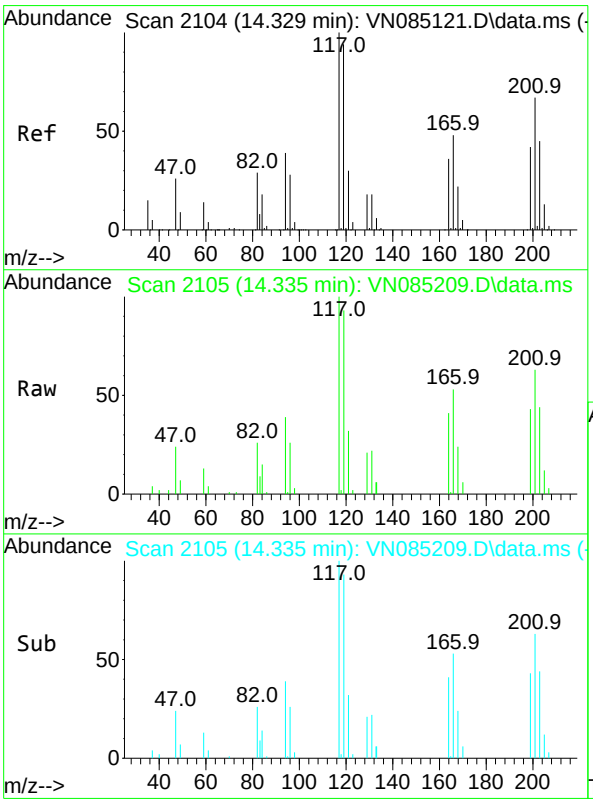
#85
n-Butylbenzene
Concen: 19.288 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion: 91 Resp: 114947

Ion	Ratio	Lower	Upper
91	100		
92	51.6	0.0	104.0
134	25.6	0.0	49.2

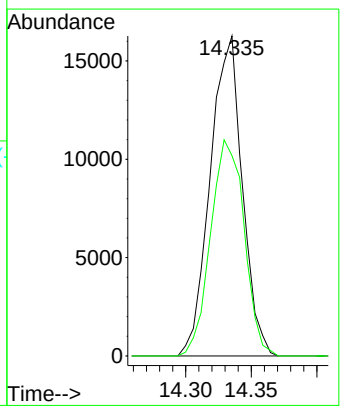


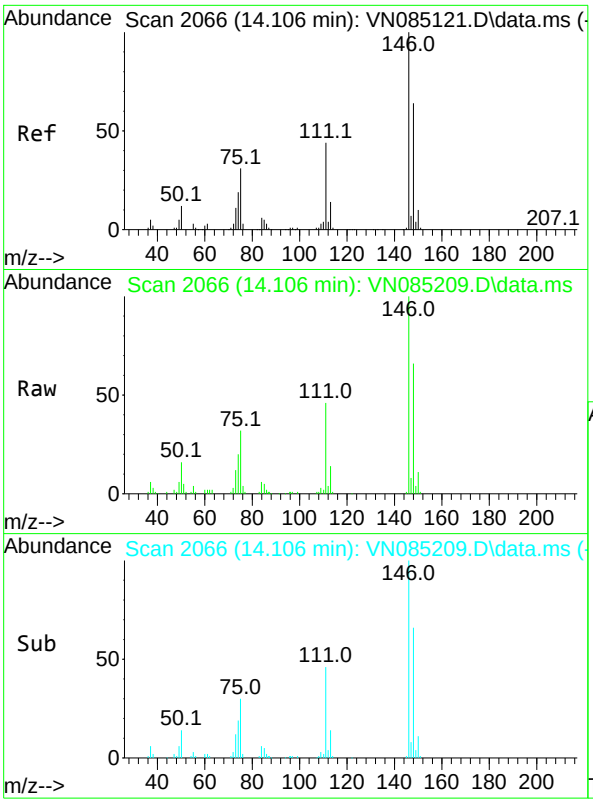


#86
Hexachloroethane
Concen: 19.558 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:117 Resp: 27662

Ion	Ratio	Lower	Upper
117	100		
201	70.7	34.1	102.3



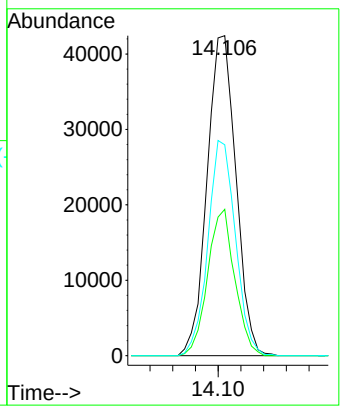


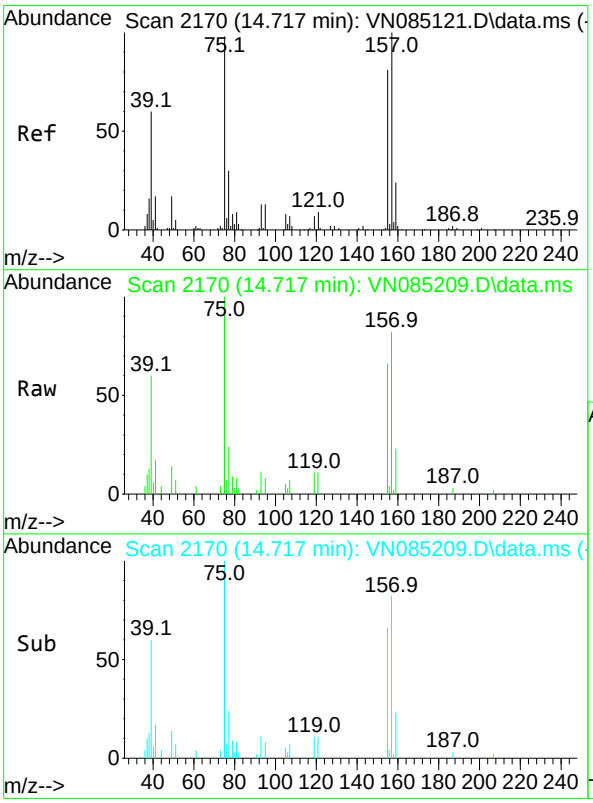
#87
1,2-Dichlorobenzene
Concen: 20.174 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion:146 Resp: 75009

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.9	65.7
148	64.2	32.4	97.0

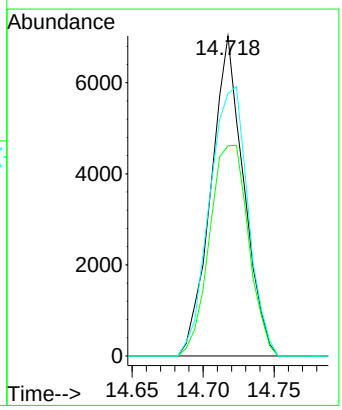


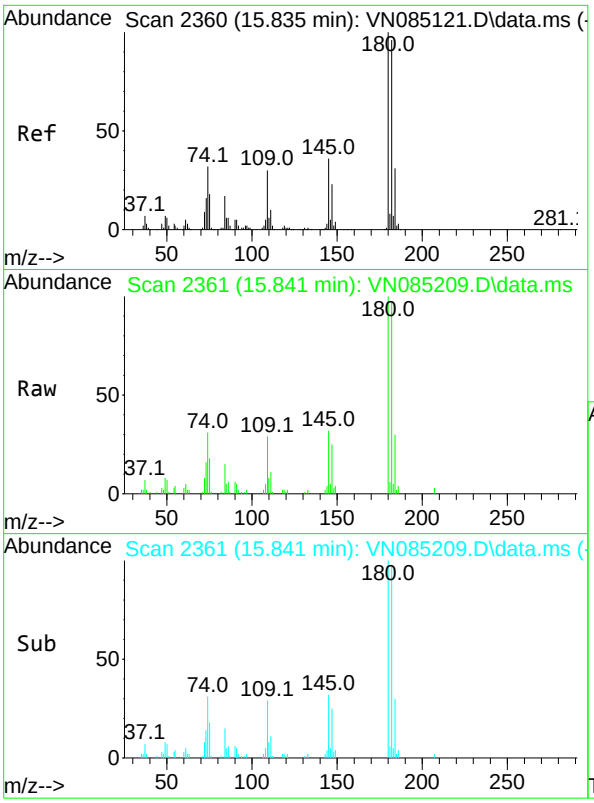


#88
1,2-Dibromo-3-Chloropropane
Concen: 21.598 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion: 75 Resp: 11257

Ion	Ratio	Lower	Upper
75	100		
155	78.1	62.1	93.1
157	98.6	79.3	118.9



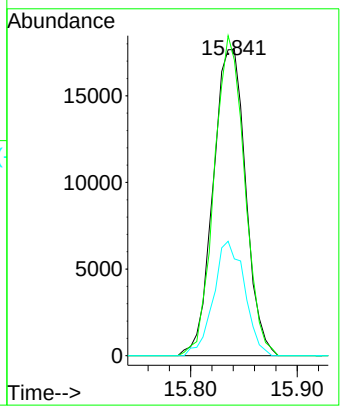


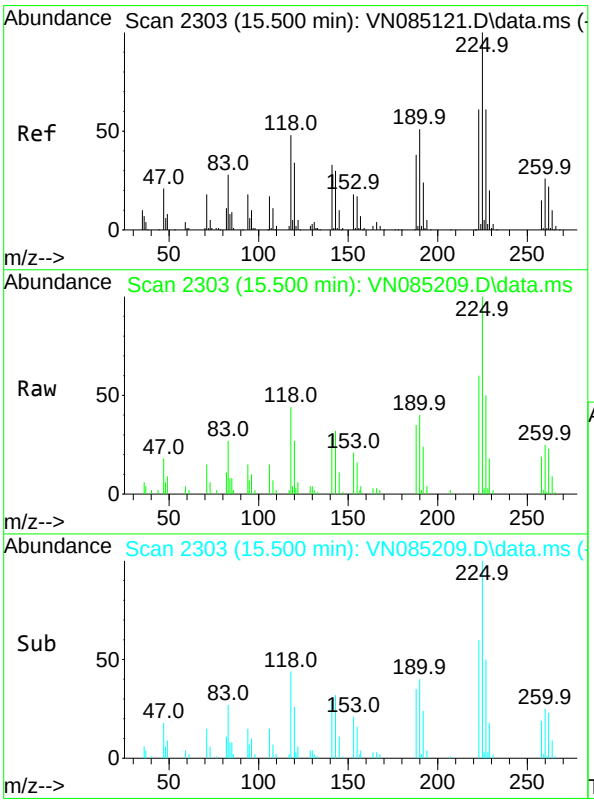
#89
1,2,4-Trichlorobenzene
Concen: 20.638 ug/l
RT: 15.841 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion:180 Resp: 37581

Ion	Ratio	Lower	Upper
180	100		
182	97.2	74.0	111.0
145	35.6	28.6	43.0

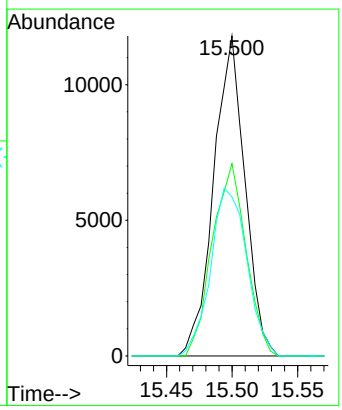


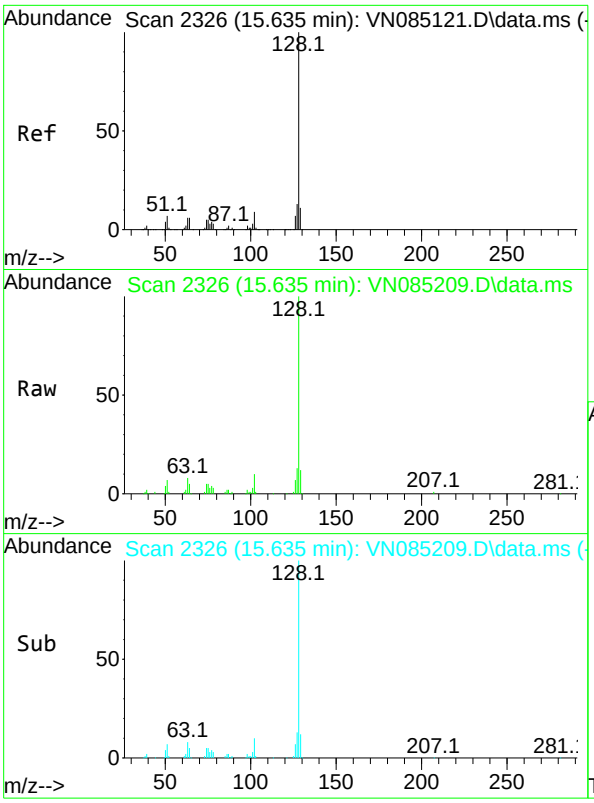


#90
Hexachlorobutadiene
Concen: 20.647 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:225 Resp: 19537

Ion	Ratio	Lower	Upper
225	100		
223	65.0	0.0	121.8
227	60.8	0.0	126.8



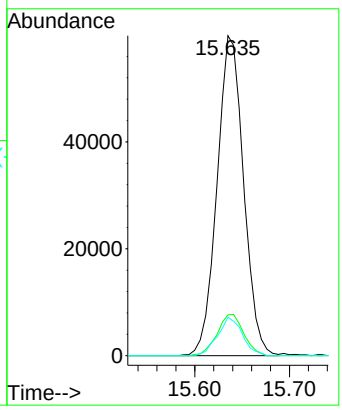


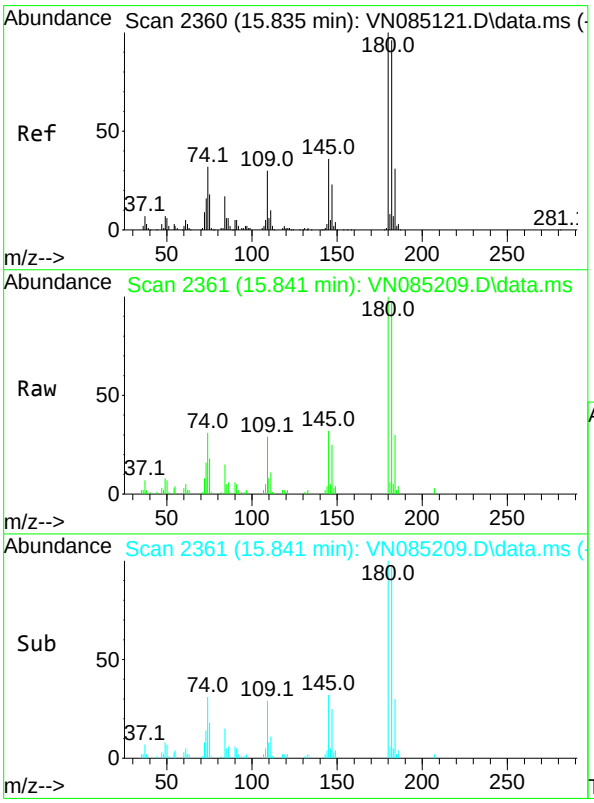
#91
Naphthalene
Concen: 20.616 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBSD01

Tgt Ion:128 Resp: 116630

Ion	Ratio	Lower	Upper
128	100		
127	13.0	11.0	16.4
129	11.2	8.7	13.1

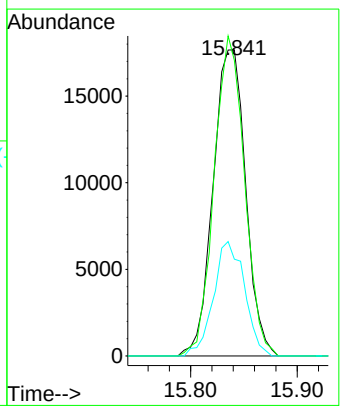




#92
1,2,3-Trichlorobenzene
Concen: 20.638 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085209.D
Acq: 16 Dec 2024 10:57

Tgt Ion:180 Resp: 37581

Ion	Ratio	Lower	Upper
180	100		
182	97.2	0.0	185.0
145	35.6	0.0	71.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085216.D
Acq On : 16 Dec 2024 16:33
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Quant Time: Dec 17 02:01:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	29360	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	158547	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	146162	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	71020	30.486	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.633%			
60) 4-Bromofluorobenzene	12.847	95	73363	30.335	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.133%			
63) Toluene-d8	10.565	98	203918	29.742	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.133%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	49748	21.179	ug/l	93
3) Chloromethane	2.359	50	42949	20.658	ug/l	99
4) Vinyl Chloride	2.512	62	44990	21.156	ug/l	97
5) Bromomethane	2.959	94	25352	18.777	ug/l	93
6) Chloroethane	3.118	64	28088	21.499	ug/l	100
7) Trichlorofluoromethane	3.501	101	70874	20.361	ug/l	99
8) Diethyl Ether	3.959	74	22341	20.263	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	40686	20.901	ug/l	98
10) 1,1-Dichloroethene	4.336	96	36236	20.266	ug/l	94
11) Methyl Iodide	4.583	142	40185	16.205	ug/l	92
12) Methyl Acetate	5.024	43	45420	21.532	ug/l	94
13) Acrolein	4.177	56	33787	110.222	ug/l	93
14) Acrylonitrile	5.718	53	90277	103.071	ug/l	99
15) Acetone	4.424	58	28037	118.123	ug/l	98
16) Carbon Disulfide	4.706	76	106280	19.886	ug/l	97
17) Allyl chloride	5.024	41	49851	19.485	ug/l	93
18) Methylene Chloride	5.271	84	38850	19.149	ug/l	96
19) trans-1,2-Dichloroethene	5.777	96	37332	20.087	ug/l	98
20) Diisopropyl ether	6.671	45	112534	20.042	ug/l	98
21) 1,1-Dichloroethane	6.565	63	69939	20.181	ug/l #	95
22) cis-1,2-Dichloroethene	7.489	96	42975	20.118	ug/l	99
23) tert-Butyl Alcohol	5.512	59	31217	99.351	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	115332	20.646	ug/l #	76
25) Chloroform	7.965	83	74737	20.586	ug/l	94
26) Cyclohexane	8.253	56	55678	19.513	ug/l #	90
29) 1,1-Dichloropropene	8.365	75	51044	19.952	ug/l	98
30) 2-Butanone	7.483	43	122922	104.700	ug/l	99
31) 2,2-Dichloropropane	7.483	77	65668	20.016	ug/l #	100
32) 1,1,1-Trichloroethane	8.171	97	70477	20.352	ug/l	98
33) Carbon Tetrachloride	8.359	117	62403	19.971	ug/l	92
34) Benzene	8.600	78	158070	19.668	ug/l	98
35) Methacrylonitrile	7.771	41	24639	18.649	ug/l	88
36) 1,2-Dichloroethane	8.665	62	53647	19.608	ug/l	100
37) Trichloroethene	9.347	130	37732	19.715	ug/l	89
38) Methylcyclohexane	9.600	83	53143	19.104	ug/l	95
39) 1,2-Dichloropropane	9.618	63	37813	19.424	ug/l	96
40) Dibromomethane	9.706	93	28271	20.246	ug/l	99
41) Bromodichloromethane	9.883	83	59043	19.780	ug/l	95
42) Vinyl Acetate	6.600	43	421239	102.535	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085216.D
Acq On : 16 Dec 2024 16:33
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Quant Time: Dec 17 02:01:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

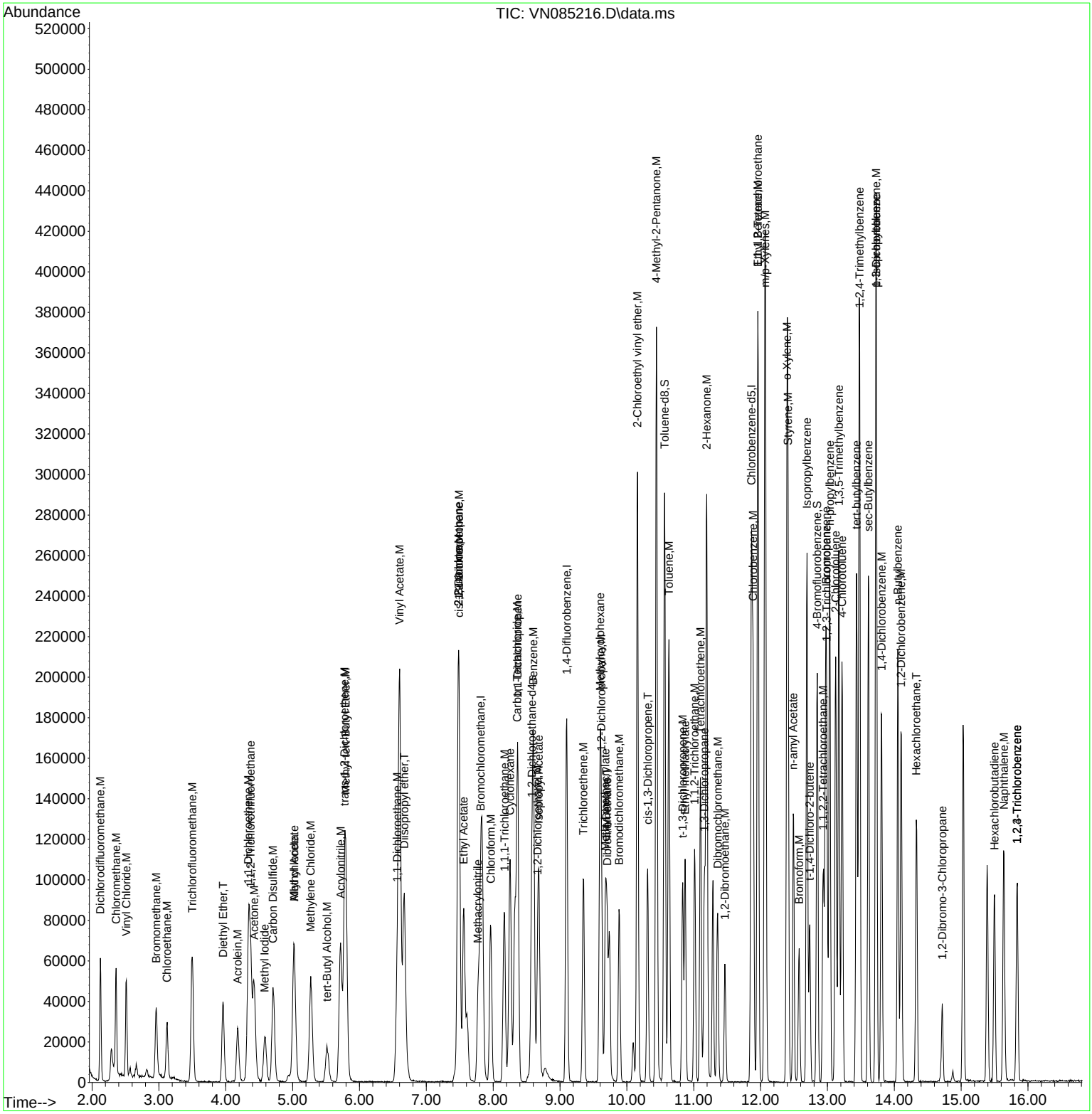
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	47420	20.300	ug/l	96
44) Isopropyl Acetate	8.683	43	83434	20.553	ug/l	100
45) 1,4-Dioxane	9.694	88	13913	410.991	ug/l	96
46) Methyl methacrylate	9.677	41	38564	20.757	ug/l	89
47) n-amyl Acetate	12.488	43	68064	19.928	ug/l	98
48) t-1,3-Dichloropropene	10.835	75	56984	19.447	ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	61200	19.185	ug/l	99
50) 1,1,2-Trichloroethane	11.012	97	37831	20.106	ug/l	97
51) Ethyl methacrylate	10.871	69	56637	19.790	ug/l	96
52) 1,3-Dichloropropane	11.159	76	63193	20.068	ug/l	99
53) Dibromochloromethane	11.359	129	46186	20.142	ug/l	97
54) 1,2-Dibromoethane	11.465	107	37912	19.998	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	127137	95.632	ug/l	98
56) Bromoform	12.576	173	30230	19.663	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	241784	101.359	ug/l	98
59) 2-Hexanone	11.194	43	180597	99.918	ug/l	98
61) Tetrachloroethene	11.100	164	35484	20.047	ug/l	88
62) Toluene	10.630	91	167102	19.603	ug/l	99
64) Chlorobenzene	11.888	112	107226	20.374	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.959	131	38942	19.821	ug/l	99
66) Ethyl Benzene	11.959	91	180830	19.992	ug/l	94
67) m/p-Xylenes	12.071	106	141848	40.773	ug/l	99
68) o-Xylene	12.394	106	66647	20.398	ug/l	97
69) Styrene	12.412	104	111932	20.189	ug/l	99
70) Isopropylbenzene	12.694	105	169768	20.146	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	52367	20.416	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	68868	27.180	ug/l	73
73) Bromobenzene	12.982	156	43360	20.542	ug/l	97
74) n-propylbenzene	13.035	91	204268	20.162	ug/l	99
75) 2-Chlorotoluene	13.123	91	125691	20.066	ug/l	98
76) 1,3,5-Trimethylbenzene	13.171	105	147652	20.451	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	17306	18.797	ug/l	98
78) 4-Chlorotoluene	13.218	91	127980	20.129	ug/l	100
79) tert-butylbenzene	13.435	119	118141	19.923	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	148267	20.790	ug/l	99
81) sec-Butylbenzene	13.612	105	169428	20.111	ug/l	98
82) p-Isopropyltoluene	13.729	119	142796	20.444	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	77972	20.134	ug/l	100
84) 1,4-Dichlorobenzene	13.812	146	77546	20.546	ug/l	99
85) n-Butylbenzene	14.053	91	115848	19.773	ug/l	99
86) Hexachloroethane	14.329	117	28941	20.814	ug/l	98
87) 1,2-Dichlorobenzene	14.100	146	74498	20.380	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10280	20.062	ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	34875	19.481	ug/l	96
90) Hexachlorobutadiene	15.500	225	18191	19.555	ug/l	96
91) Naphthalene	15.641	128	107788	19.380	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	34875	19.481	ug/l	96

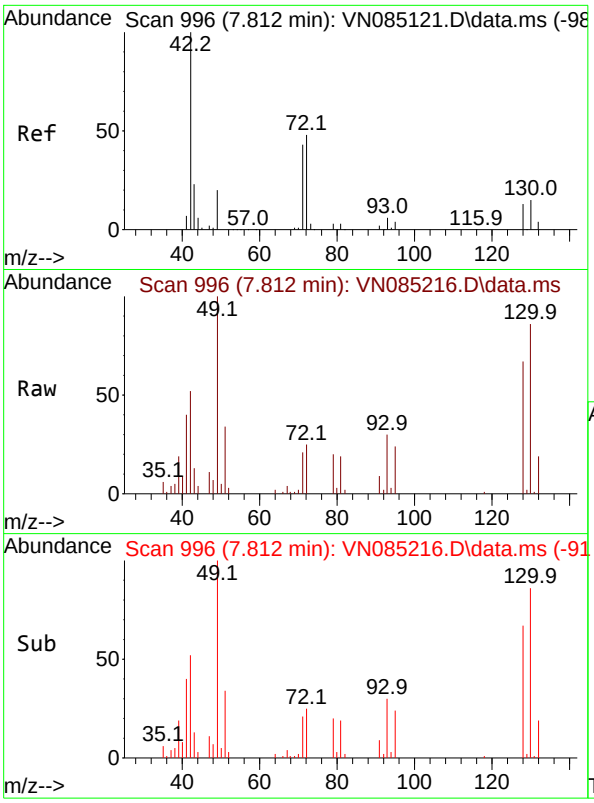
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
Data File : VN085216.D
Acq On : 16 Dec 2024 16:33
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Quant Time: Dec 17 02:01:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration



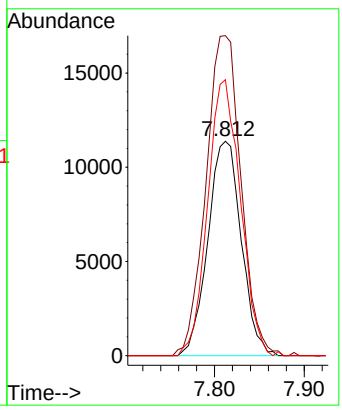


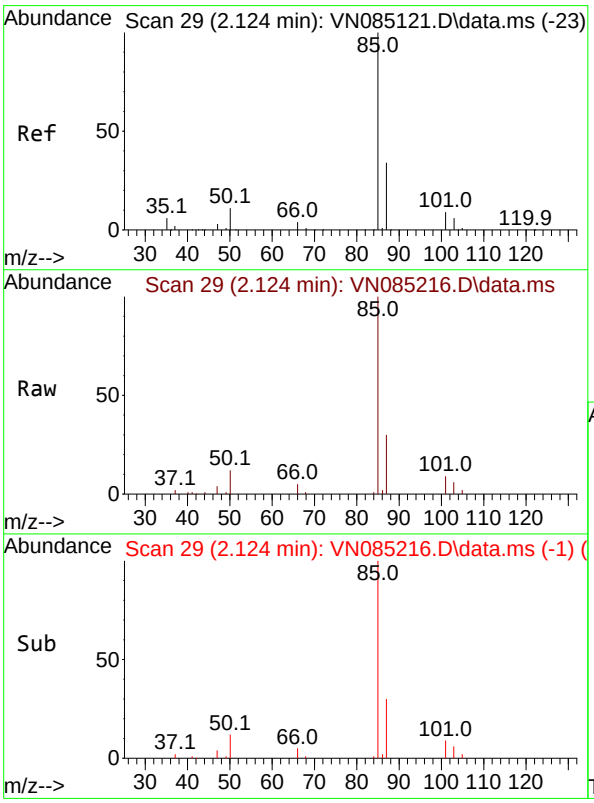
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:128 Resp: 29360

Ion	Ratio	Lower	Upper
128	100		
49	156.7	0.0	394.5
130	126.4	0.0	316.5

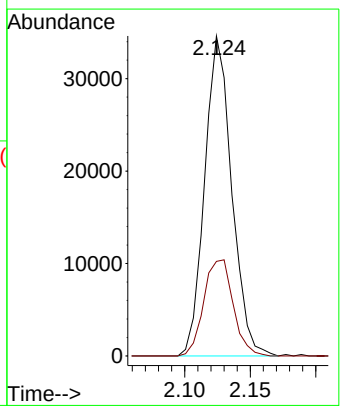


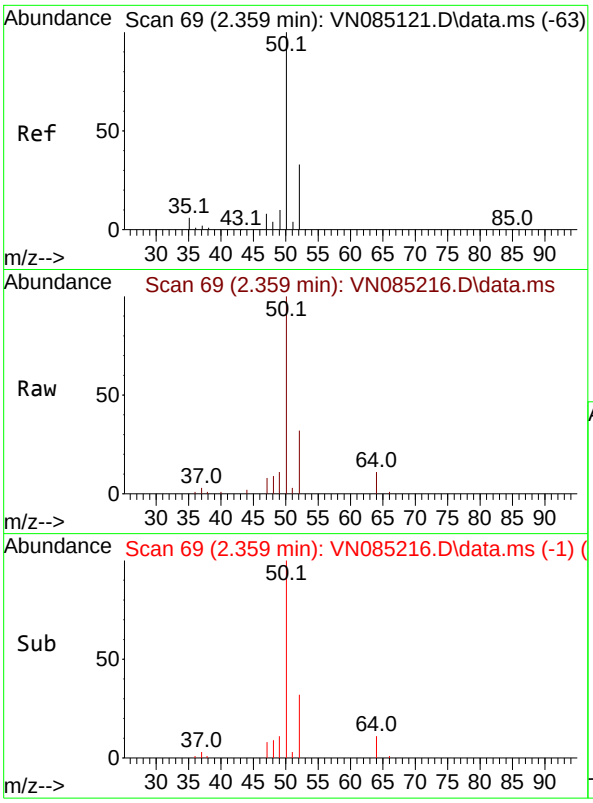


#2
Dichlorodifluoromethane
Concen: 21.179 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 85 Resp: 49748

Ion	Ratio	Lower	Upper
85	100		
87	29.6	16.8	50.3



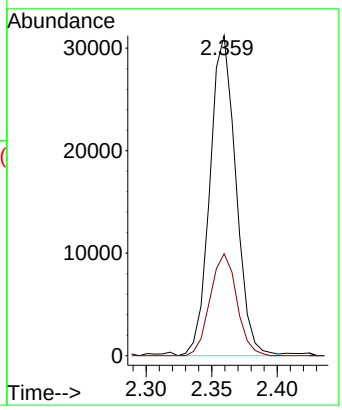


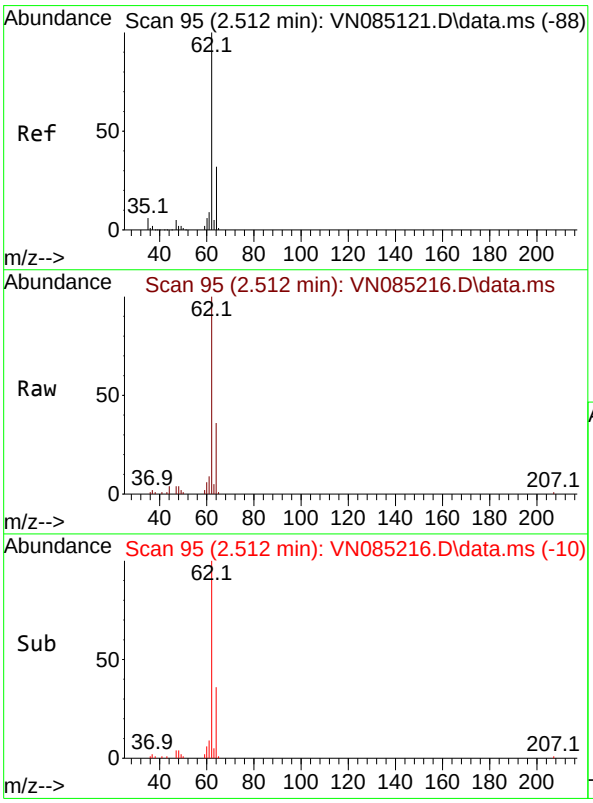
#3
Chloromethane
Concen: 20.658 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 50 Resp: 42949

Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.0	37.4

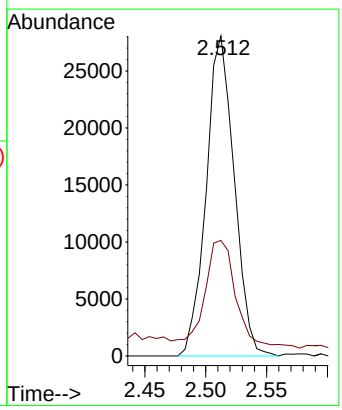


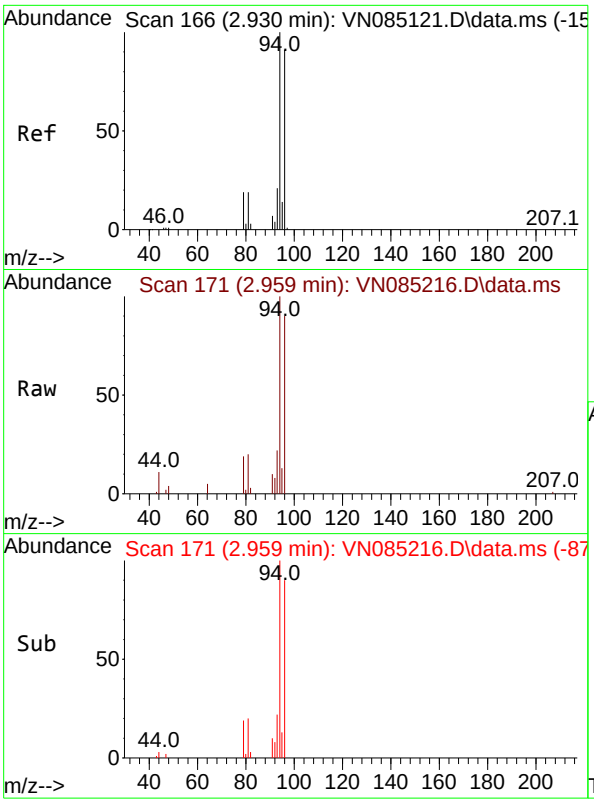


#4
Vinyl Chloride
Concen: 21.156 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 62 Resp: 44990

Ion	Ratio	Lower	Upper
62	100		
64	32.5	24.9	37.3



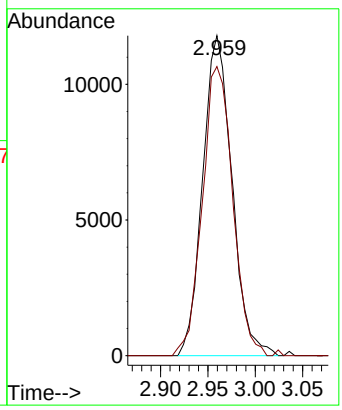


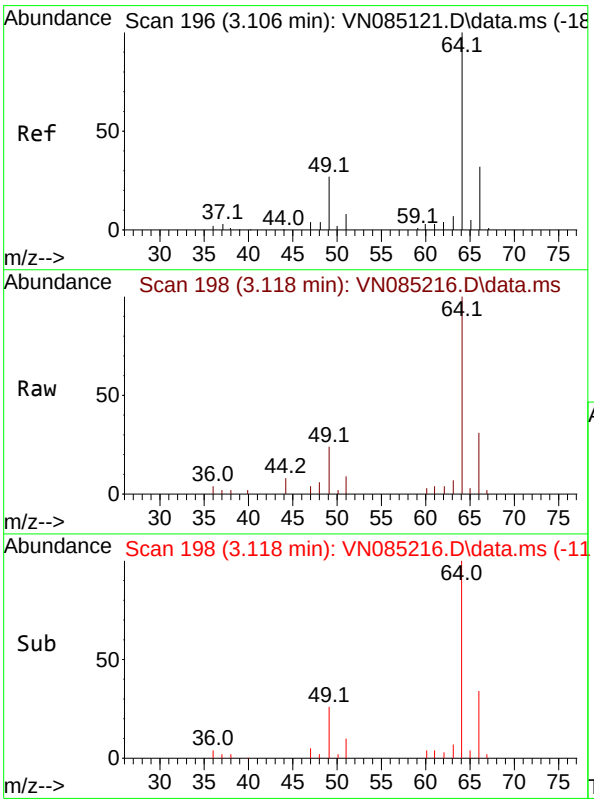
#5
Bromomethane
Concen: 18.777 ug/l
RT: 2.959 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 94 Resp: 25352

Ion	Ratio	Lower	Upper
94	100		
96	88.5	76.2	114.4

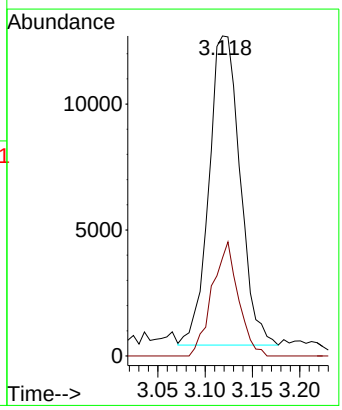


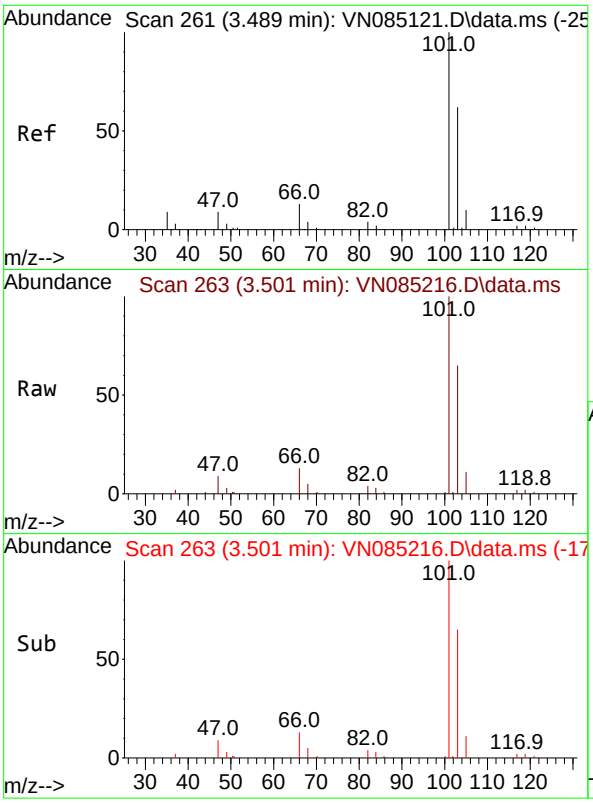


#6
Chloroethane
Concen: 21.499 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 64 Resp: 28088

Ion	Ratio	Lower	Upper
64	100		
66	31.7	25.5	38.3



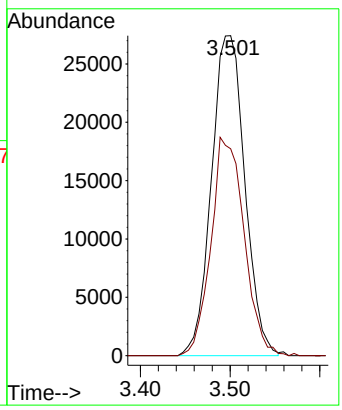


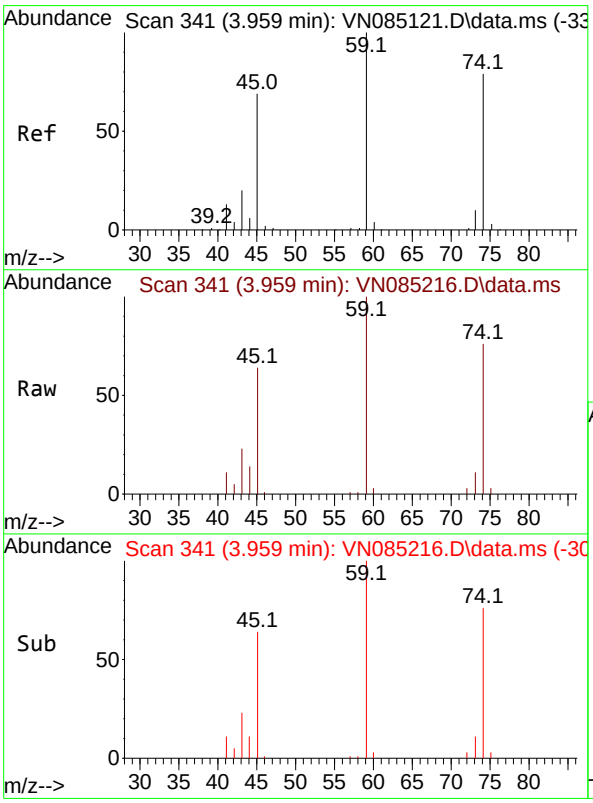
#7
Trichlorofluoromethane
Concen: 20.361 ug/l
RT: 3.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:101 Resp: 70874

Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.3	76.9

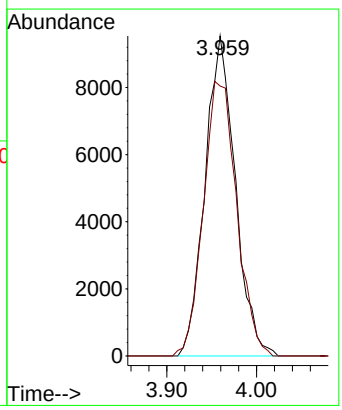


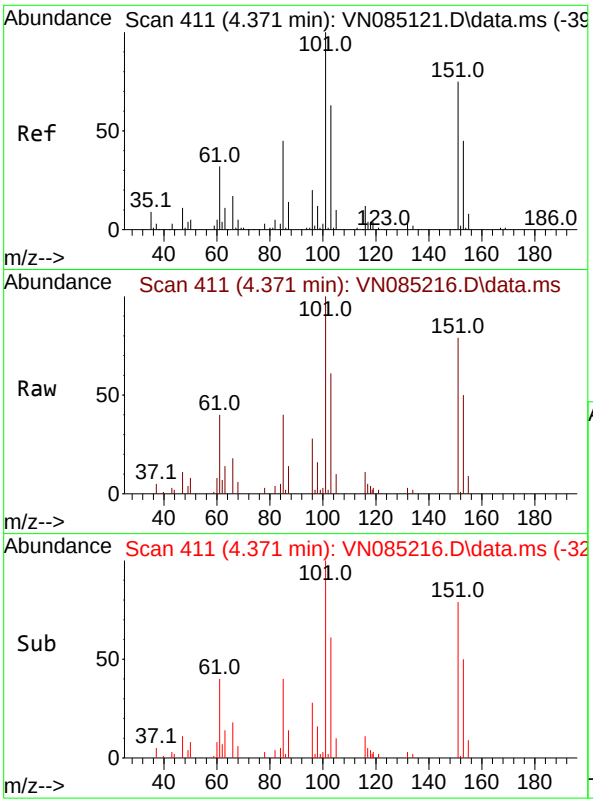


#8
Diethyl Ether
Concen: 20.263 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 74 Resp: 22341

Ion	Ratio	Lower	Upper
74	100		
45	94.3	18.6	167.8



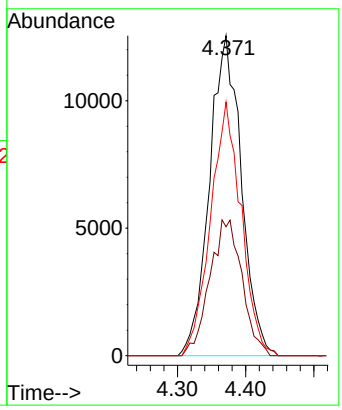


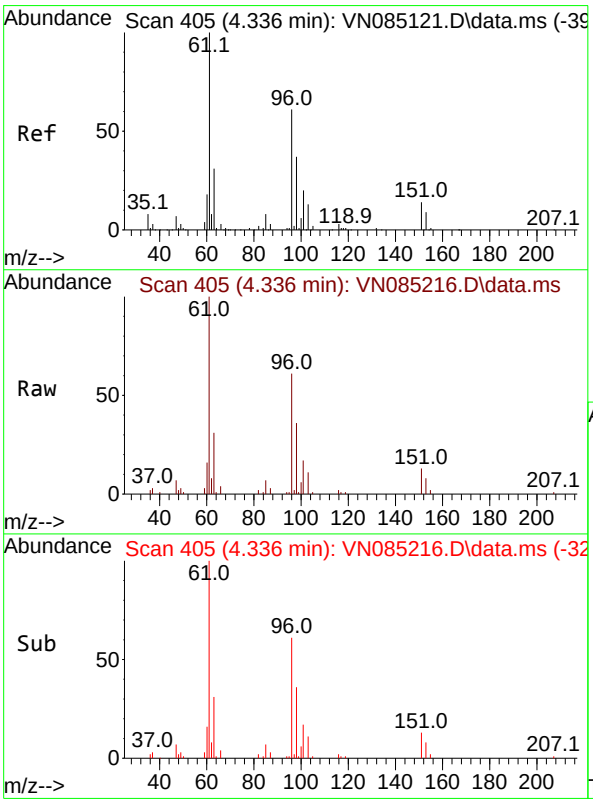
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.901 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:101 Resp: 40686

Ion	Ratio	Lower	Upper
101	100		
85	43.3	0.0	88.6
151	76.1	0.0	155.8

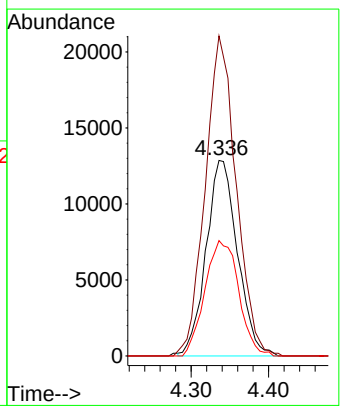


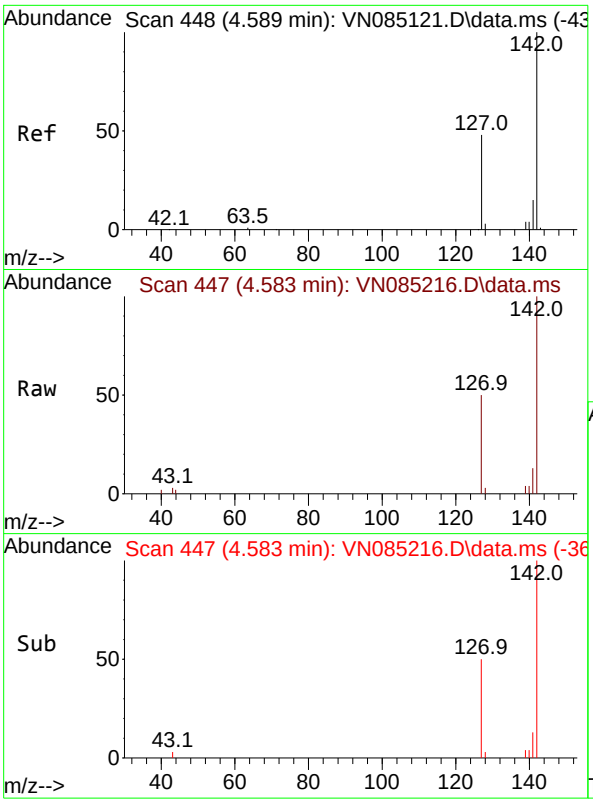


#10
1,1-Dichloroethene
Concen: 20.266 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 96 Resp: 36236

Ion	Ratio	Lower	Upper
96	100		
61	162.2	123.0	184.4
98	59.0	49.1	73.7



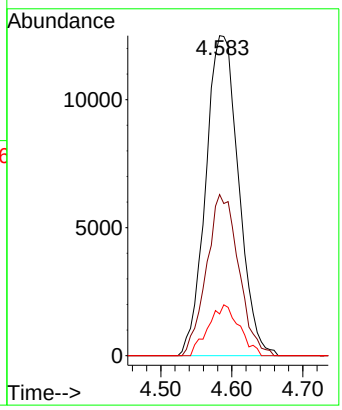


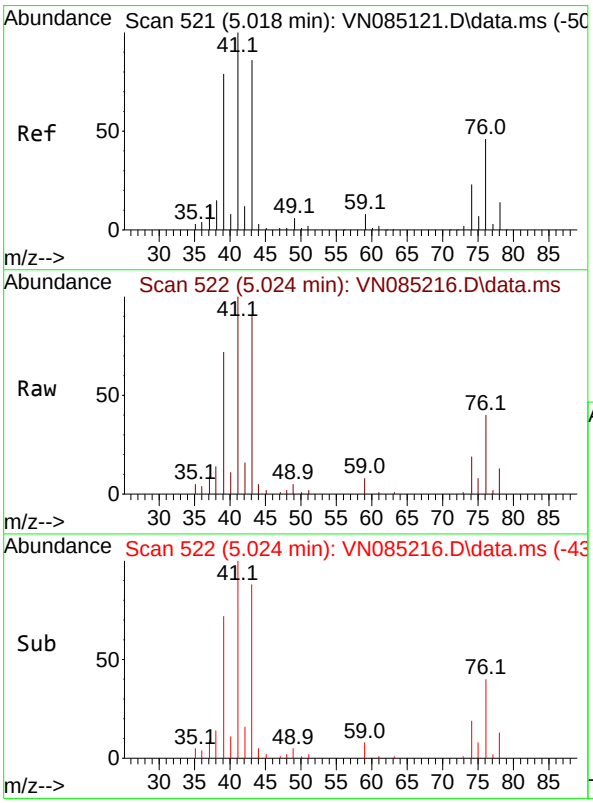
#11
Methyl Iodide
Concen: 16.205 ug/l
RT: 4.583 min Scan# 44
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:142 Resp: 40185

Ion	Ratio	Lower	Upper
142	100		
127	50.3	22.5	67.5
141	13.1	8.3	24.9

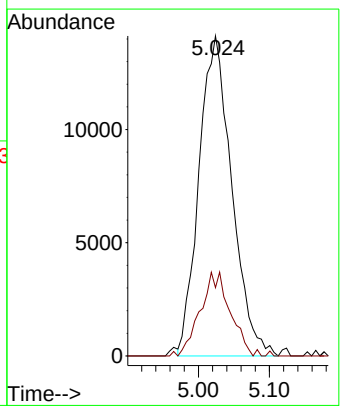


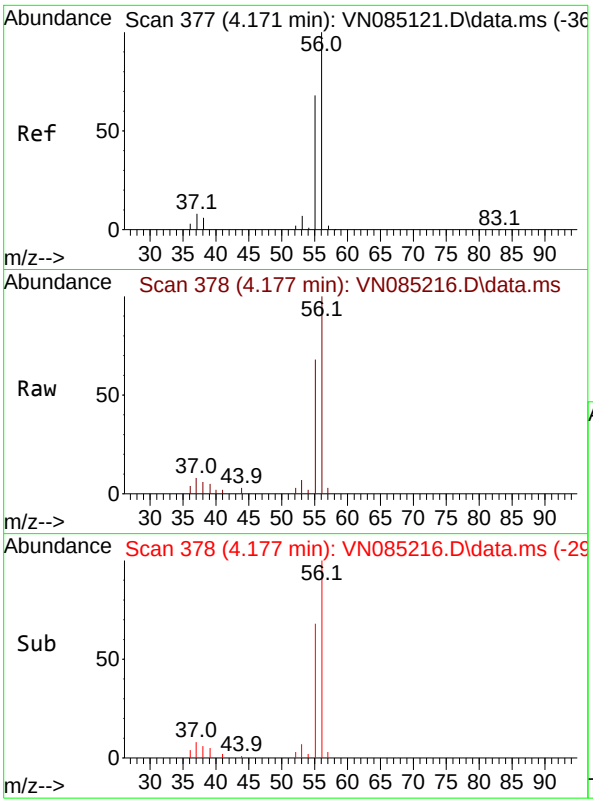


#12
Methyl Acetate
Concen: 21.532 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 43 Resp: 45420

Ion	Ratio	Lower	Upper
43	100		
74	21.6	19.8	29.6



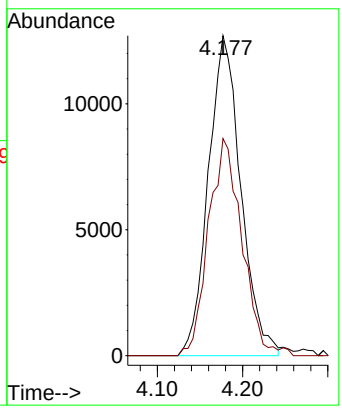


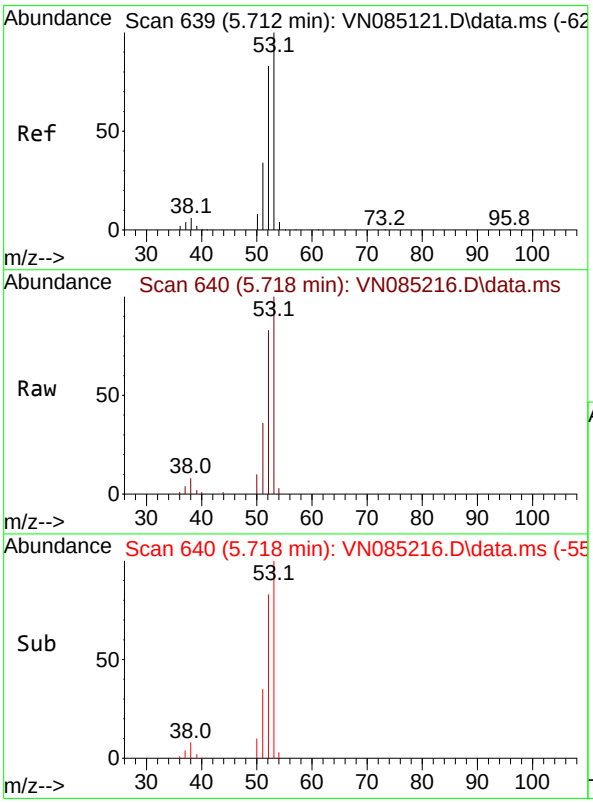
#13
Acrolein
Concen: 110.222 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 56 Resp: 33787

Ion	Ratio	Lower	Upper
56	100		
55	68.5	59.4	89.0

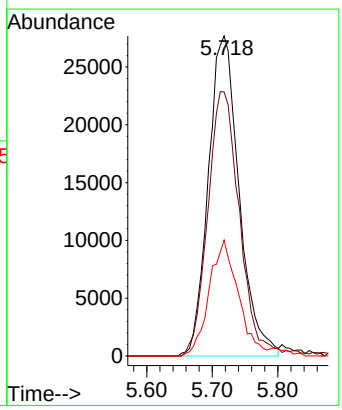


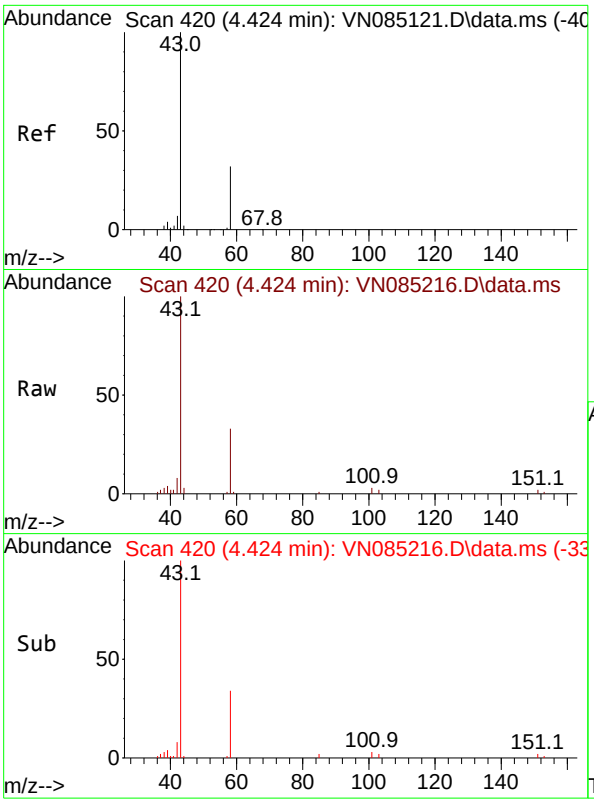


#14
Acrylonitrile
Concen: 103.071 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 53 Resp: 90277

Ion	Ratio	Lower	Upper
53	100		
52	84.4	42.9	128.5
51	34.1	17.2	51.5



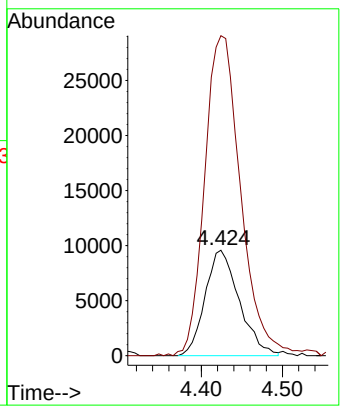


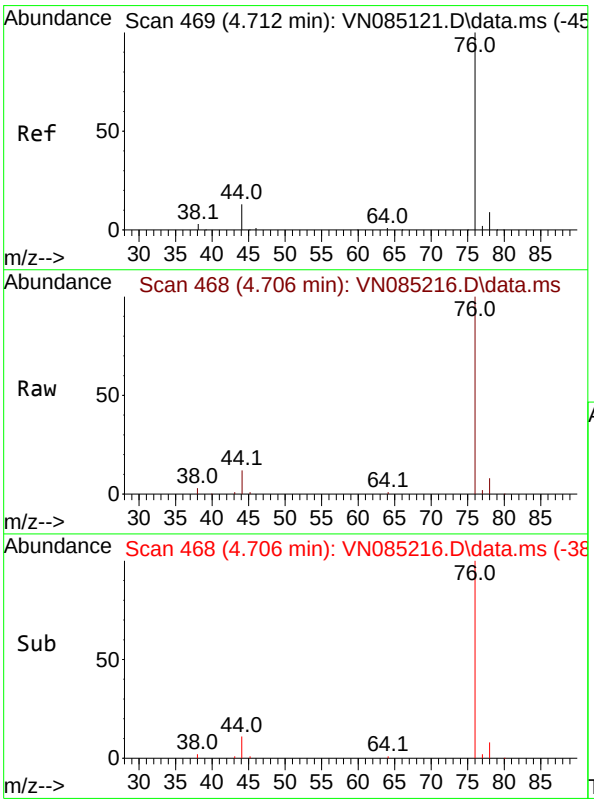
#15
Acetone
Concen: 118.123 ug/l
RT: 4.424 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 58 Resp: 28037

Ion	Ratio	Lower	Upper
58	100		
43	299.4	242.3	363.5

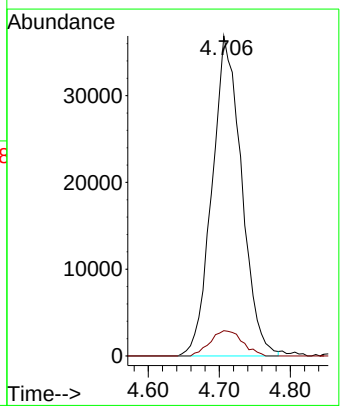


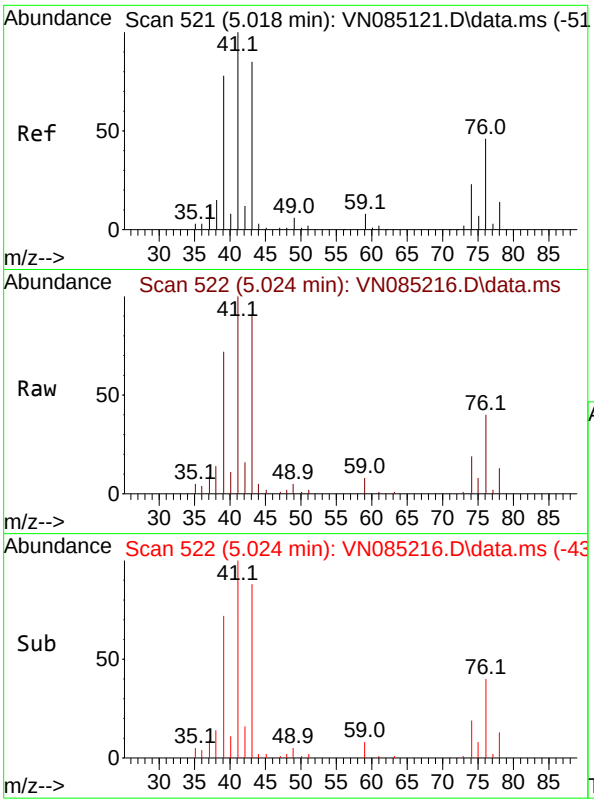


#16
Carbon Disulfide
Concen: 19.886 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 76 Resp: 106280

Ion	Ratio	Lower	Upper
76	100		
78	7.9	7.1	10.7



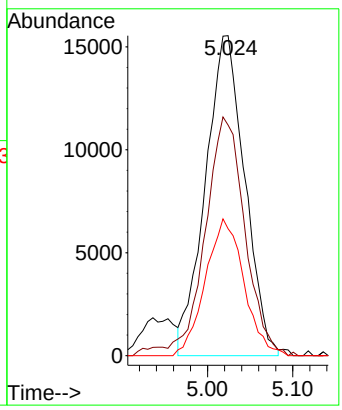


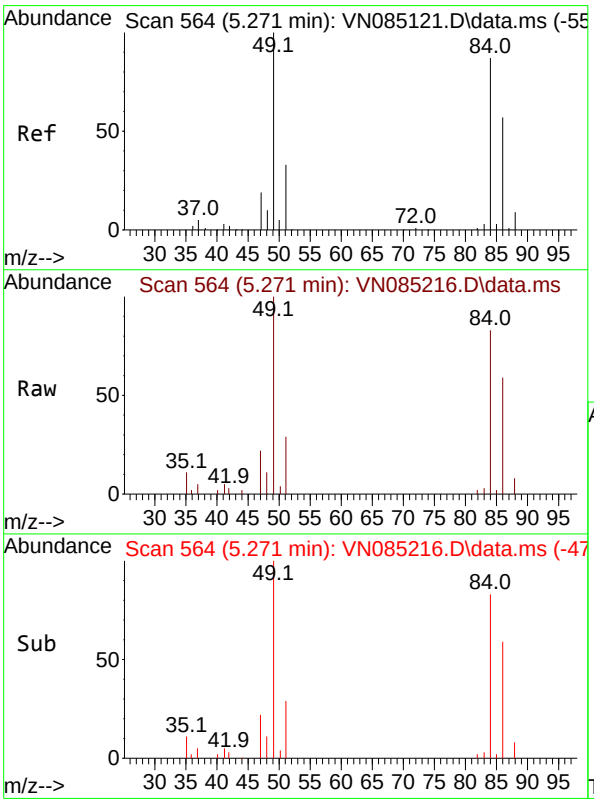
#17
Allyl chloride
Concen: 19.485 ug/l
RT: 5.024 min Scan# 5
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 41 Resp: 49851

Ion	Ratio	Lower	Upper
41	100		
39	71.4	32.0	96.2
76	38.5	20.2	60.5

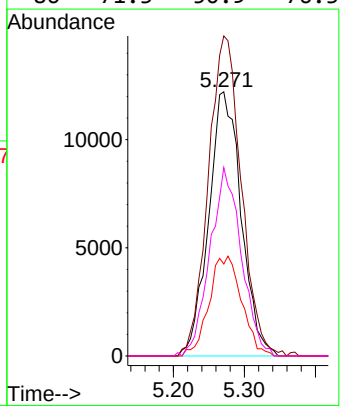


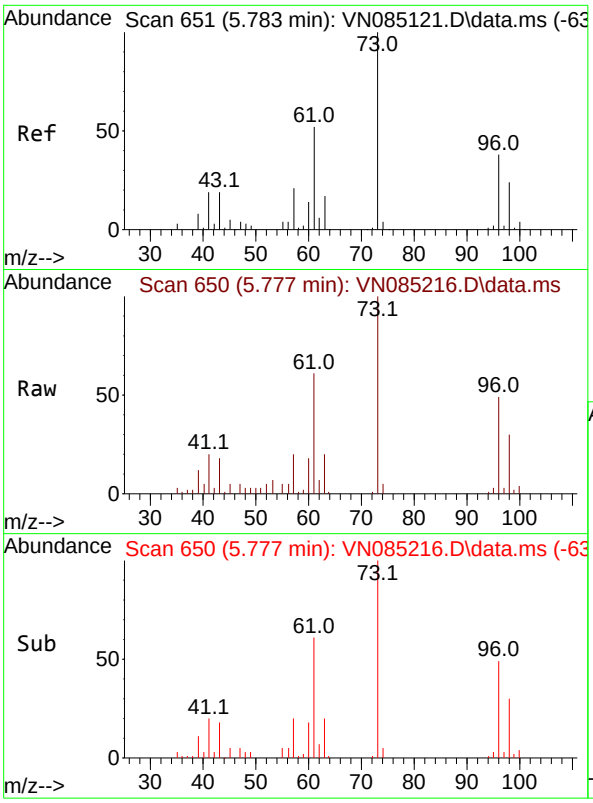


#18
Methylene Chloride
Concen: 19.149 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 84 Resp: 38850

Ion	Ratio	Lower	Upper
84	100		
49	121.1	95.1	142.7
51	34.8	27.4	41.0
86	71.3	50.9	76.3



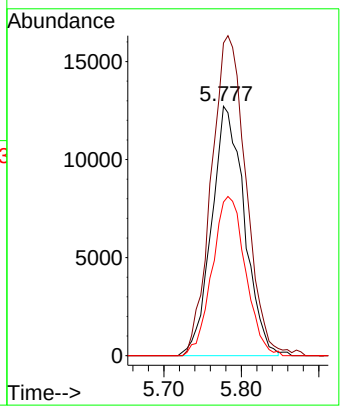


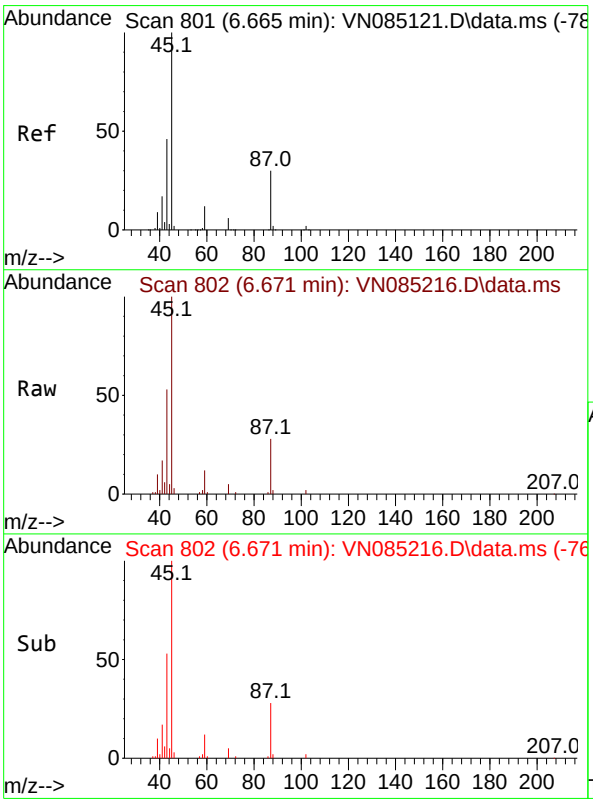
#19
trans-1,2-Dichloroethene
Concen: 20.087 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 96 Resp: 37332

Ion	Ratio	Lower	Upper
96	100		
61	125.4	100.4	150.6
98	61.6	52.6	79.0

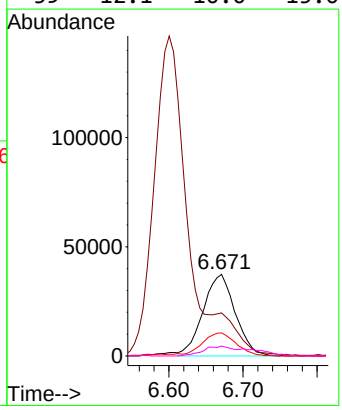


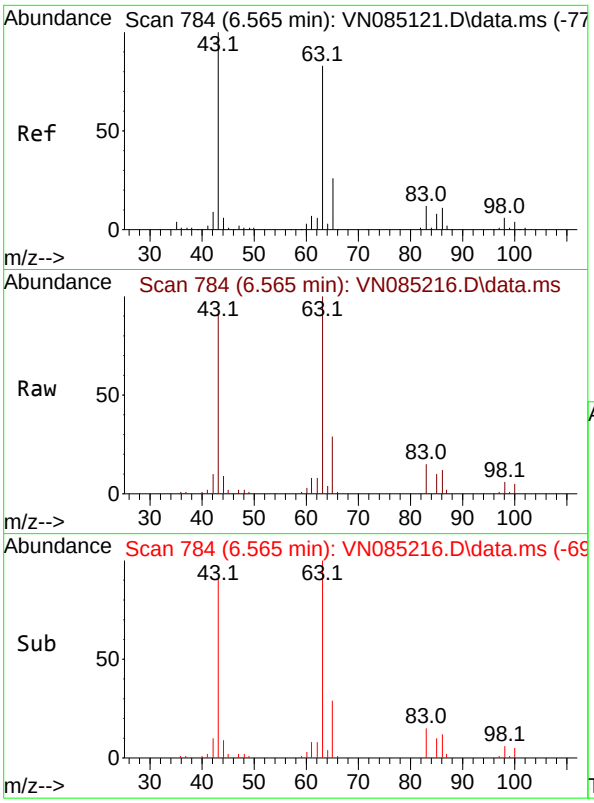


#20
Diisopropyl ether
Concen: 20.042 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 45 Resp: 112534

Ion	Ratio	Lower	Upper
45	100		
43	51.2	41.9	62.9
87	28.2	24.1	36.1
59	12.1	10.0	15.0



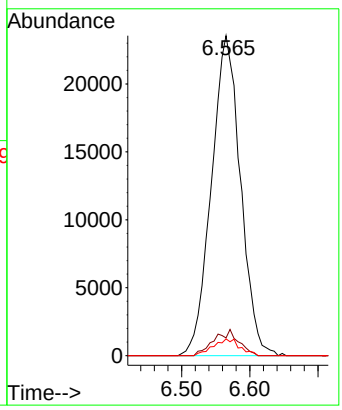


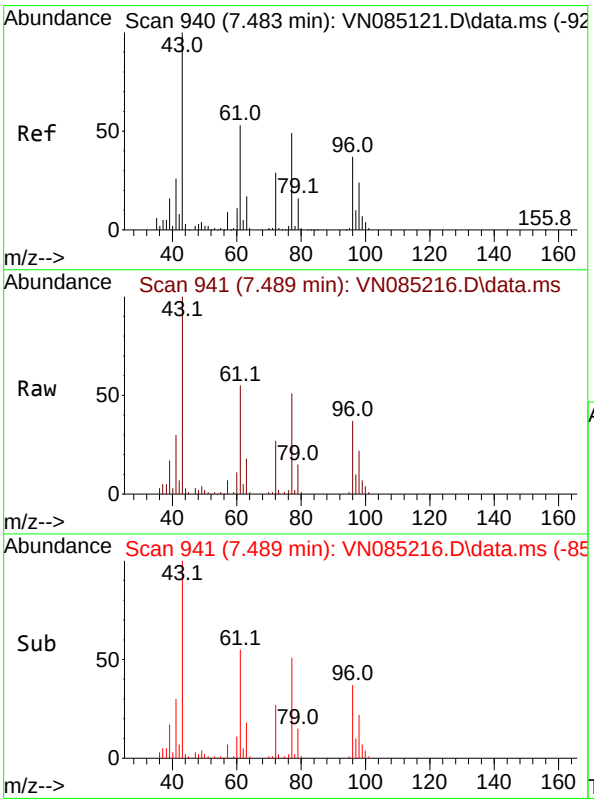
#21
1,1-Dichloroethane
Concen: 20.181 ug/l
RT: 6.565 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 69939

Ion	Ratio	Lower	Upper
63	100		
98	5.5	3.5	10.4
100	5.3	1.6	4.8#

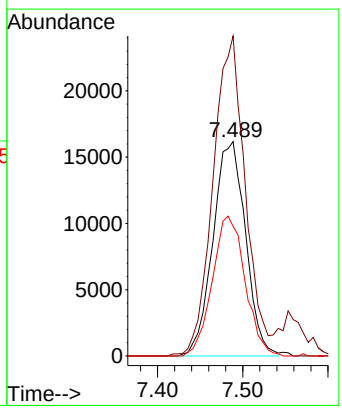


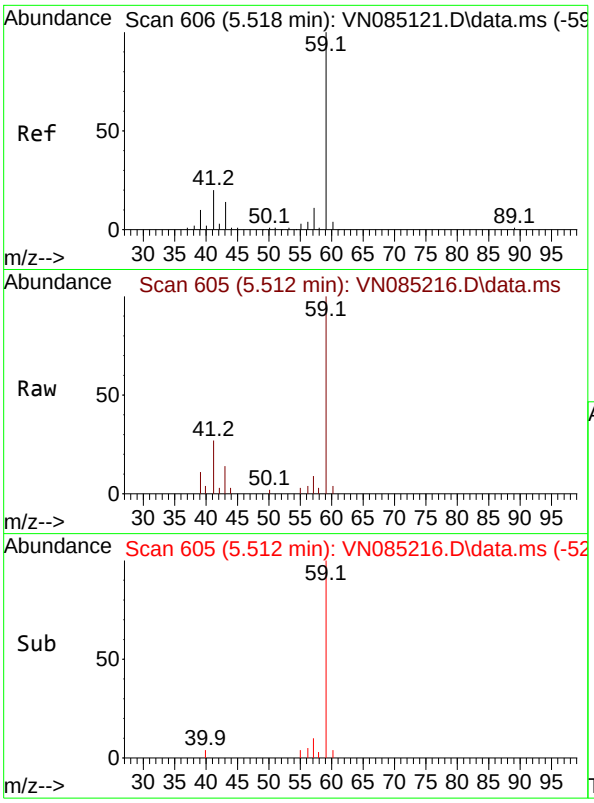


#22
cis-1,2-Dichloroethene
Concen: 20.118 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 96 Resp: 42975

Ion	Ratio	Lower	Upper
96	100		
61	146.1	115.9	173.9
98	65.5	51.8	77.8



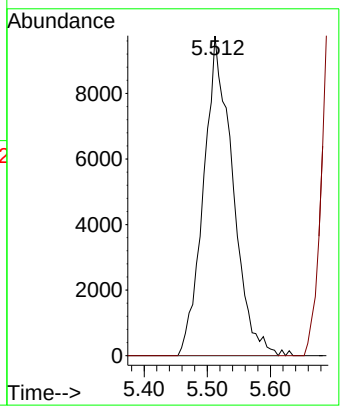


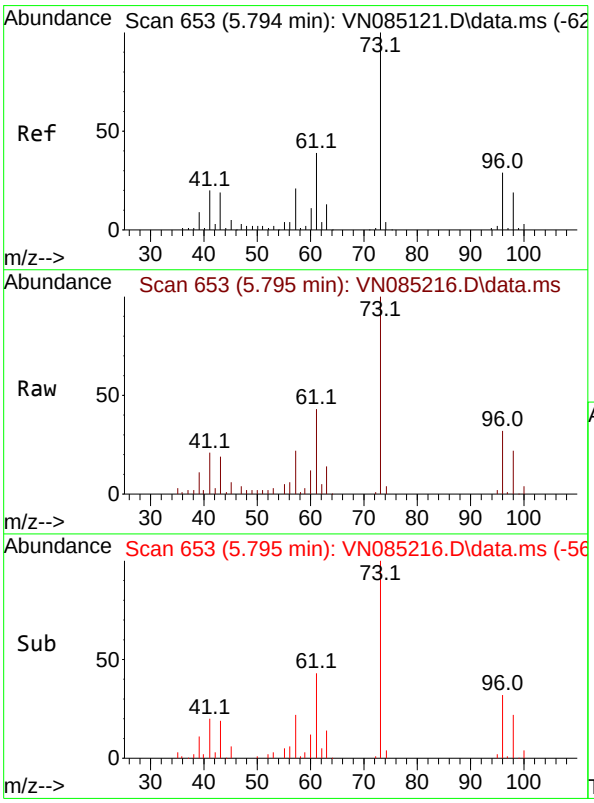
#23
tert-Butyl Alcohol
Concen: 99.351 ug/l
RT: 5.512 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 59 Resp: 31217

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

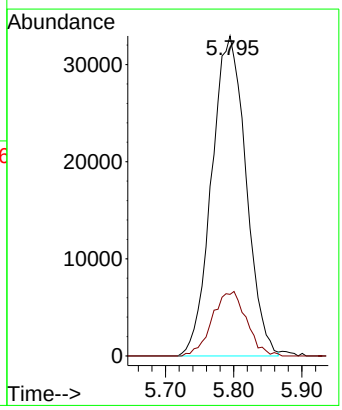


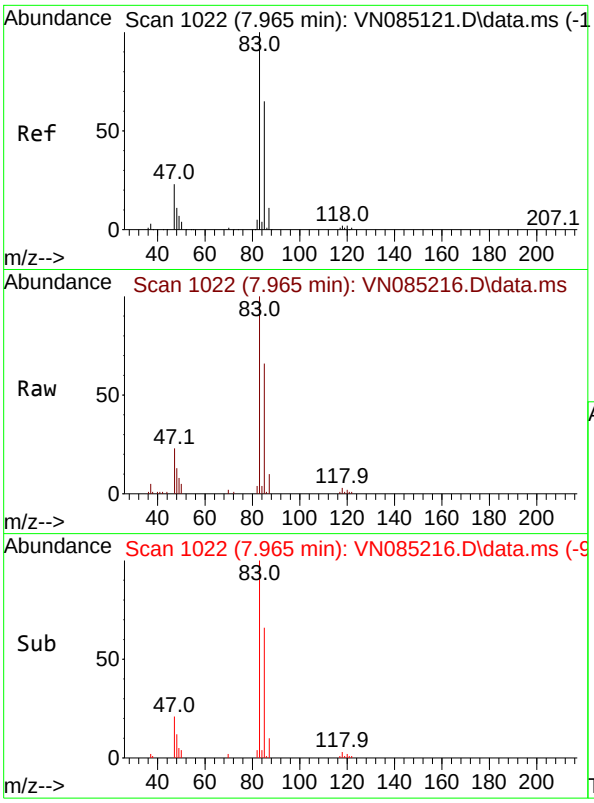


#24
Methyl tert-Butyl Ether
Concen: 20.646 ug/l
RT: 5.795 min Scan# 653
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 73 Resp: 115332

Ion	Ratio	Lower	Upper
73	100		
43	20.0	8.7	13.1#



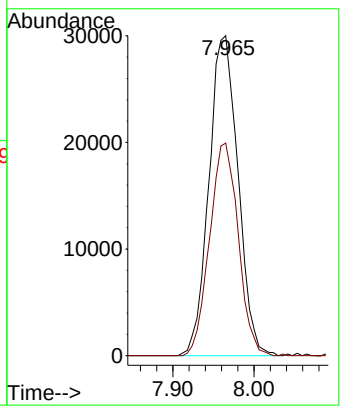


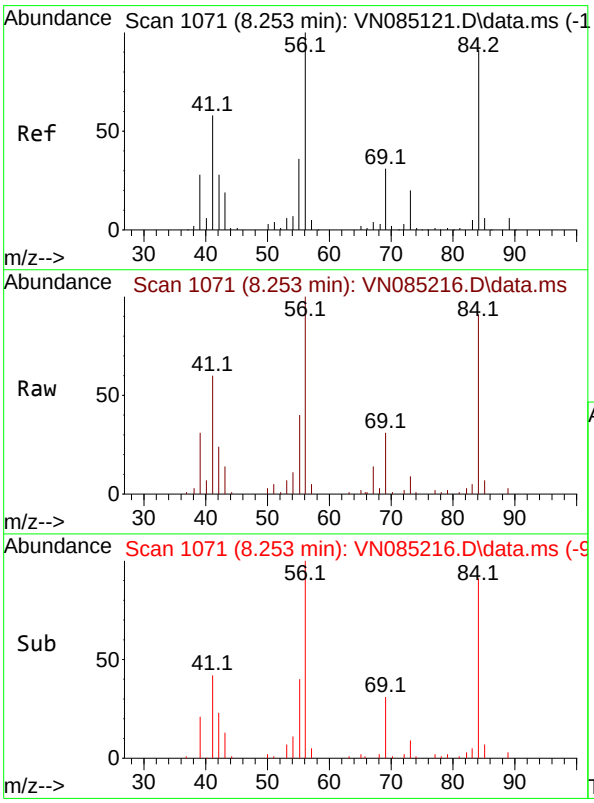
#25
Chloroform
Concen: 20.586 ug/l
RT: 7.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 74737

Ion	Ratio	Lower	Upper
83	100		
85	66.4	49.4	74.0

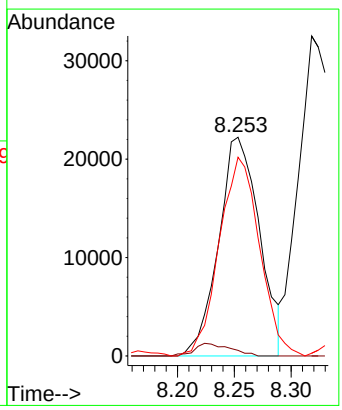


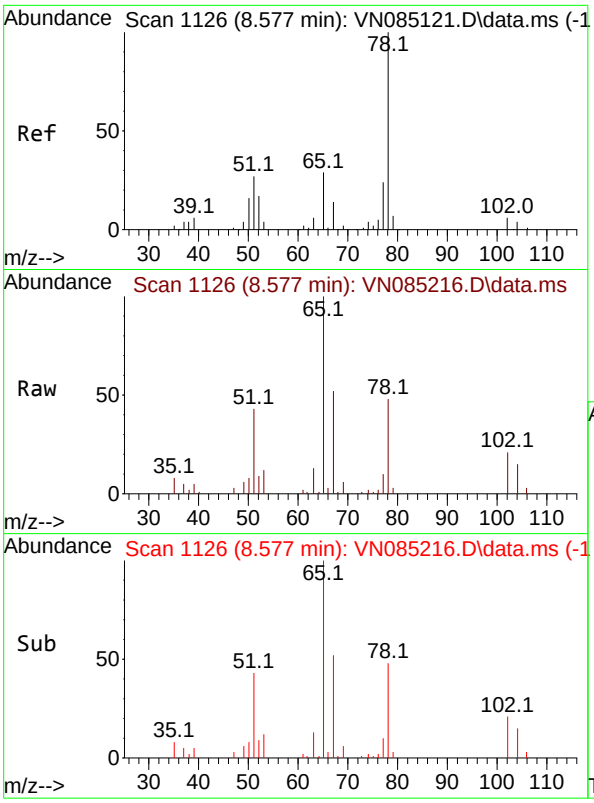


#26
Cyclohexane
Concen: 19.513 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 56 Resp: 55678

Ion	Ratio	Lower	Upper
56	100		
89	4.8	19.5	29.3#
84	89.5	70.6	105.8



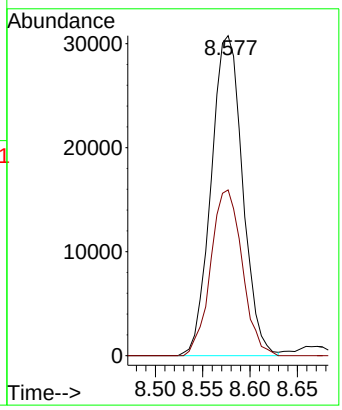


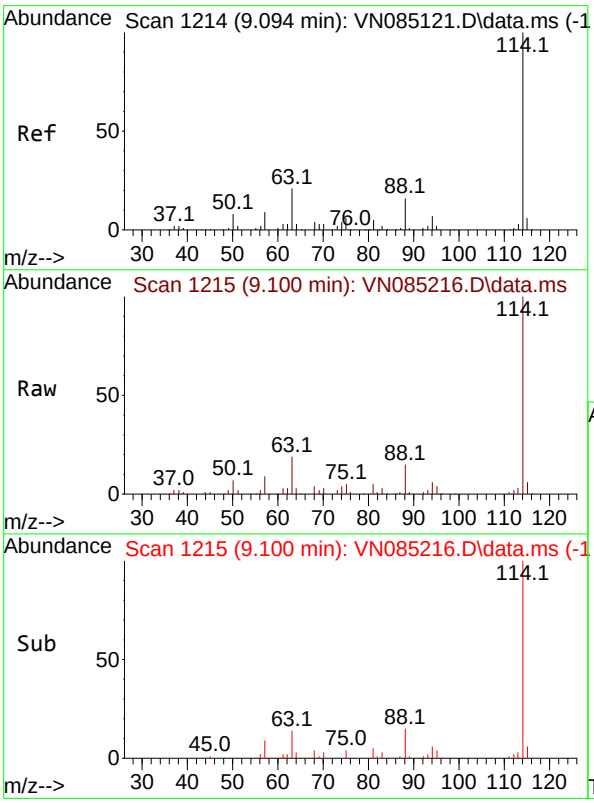
#27
1,2-Dichloroethane-d4
Concen: 30.486 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 65 Resp: 71020

Ion	Ratio	Lower	Upper
65	100		
67	51.9	39.9	59.9

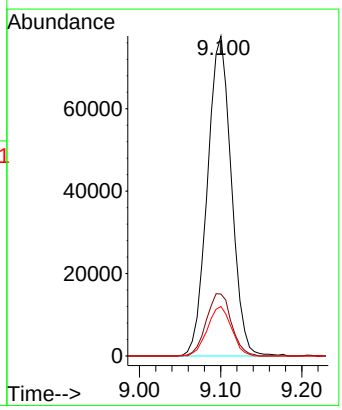


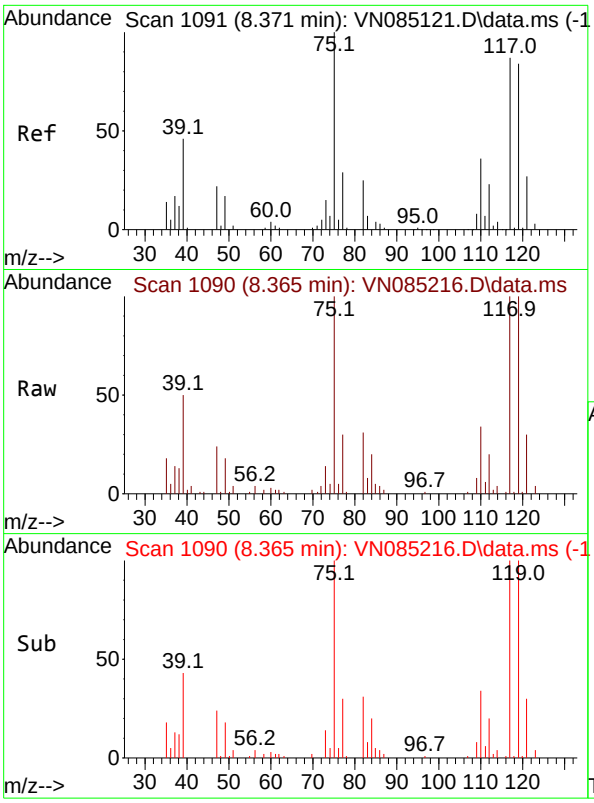


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:114 Resp: 158547

Ion	Ratio	Lower	Upper
114	100		
63	20.4	16.2	24.2
88	15.6	12.5	18.7



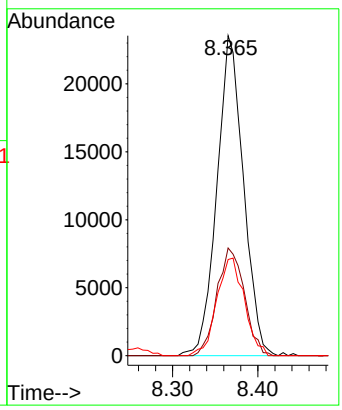


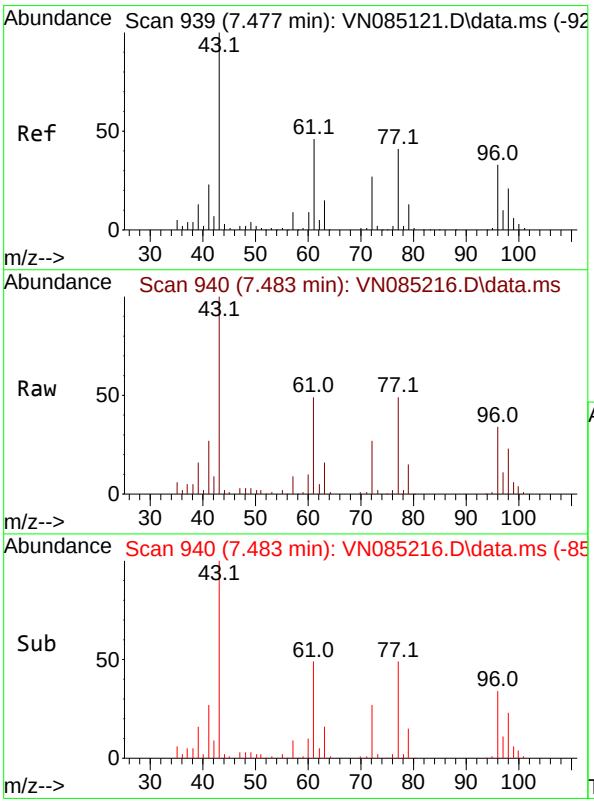
#29
1,1-Dichloropropene
Concen: 19.952 ug/l
RT: 8.365 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 75 Resp: 51044

Ion	Ratio	Lower	Upper
75	100		
110	34.7	0.0	71.6
77	31.7	0.0	62.2

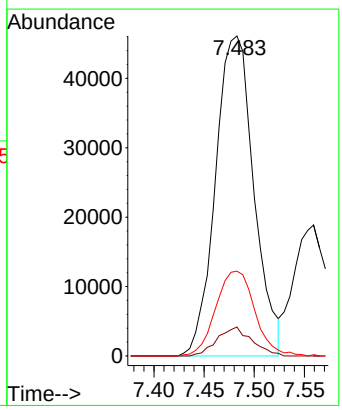


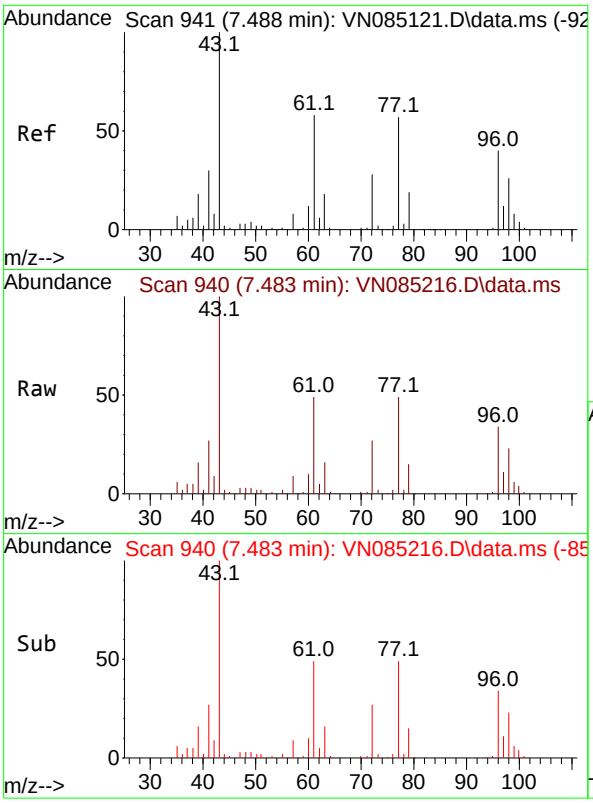


#30
2-Butanone
Concen: 104.700 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 43 Resp: 122922

Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.9	10.3
72	26.9	21.8	32.8



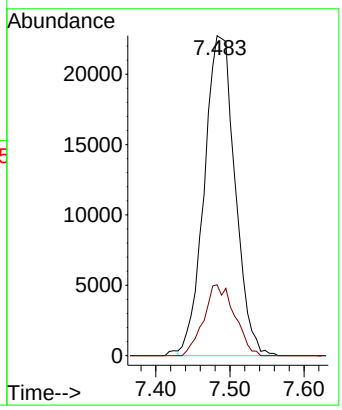


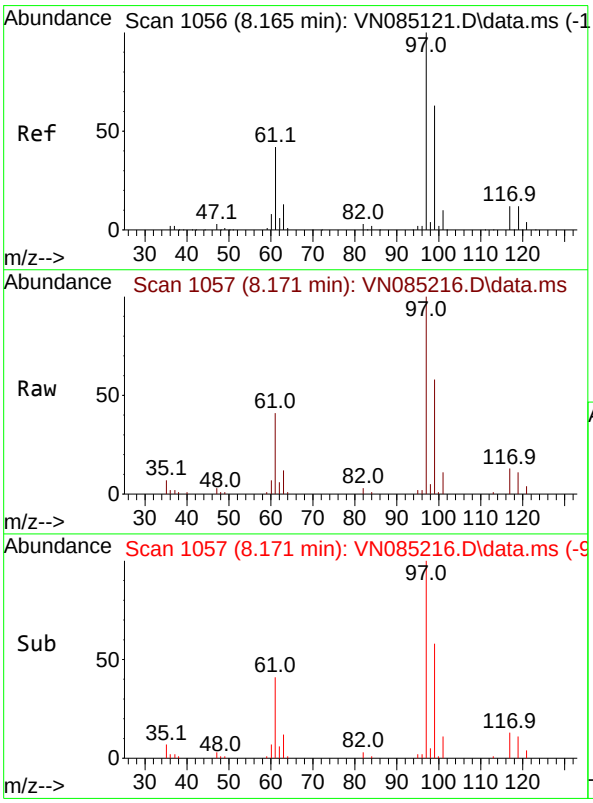
#31
2,2-Dichloropropane
Concen: 20.016 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 77 Resp: 65668

Ion	Ratio	Lower	Upper
77	100		
97	22.2	0.0	0.0#

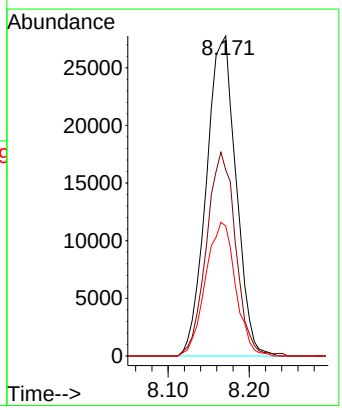


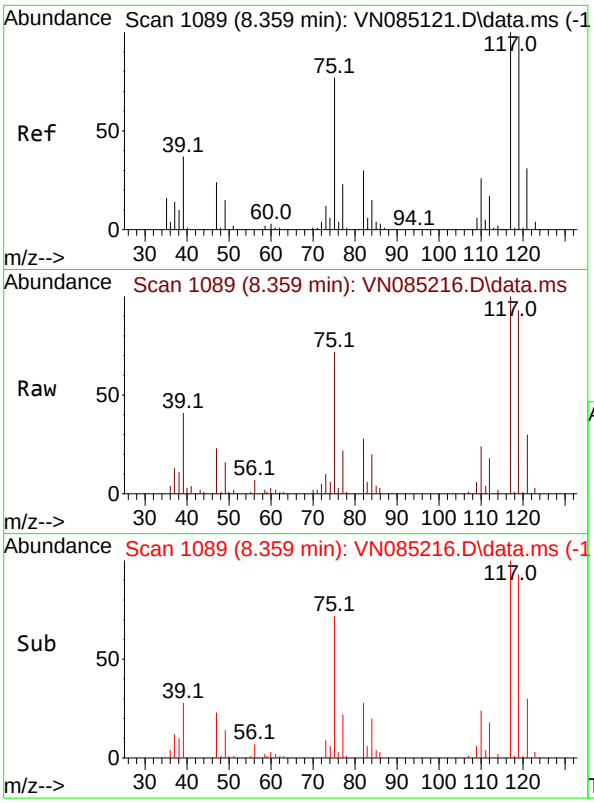


#32
1,1,1-Trichloroethane
Concen: 20.352 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 97 Resp: 70477

Ion	Ratio	Lower	Upper
97	100		
99	62.4	50.8	76.2
61	42.3	32.7	49.1



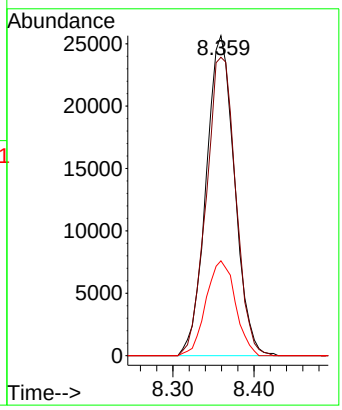


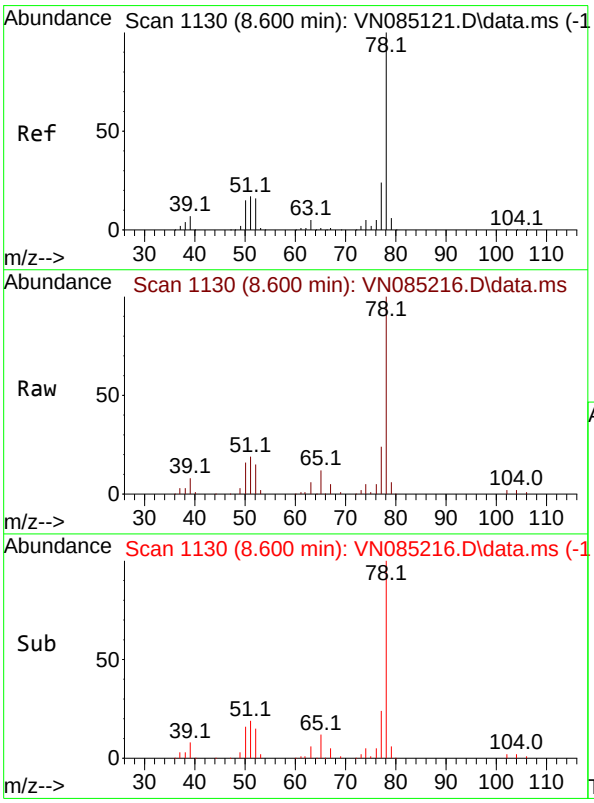
#33
Carbon Tetrachloride
Concen: 19.971 ug/l
RT: 8.359 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:117 Resp: 62403

Ion	Ratio	Lower	Upper
117	100		
119	93.2	81.6	122.4
121	29.7	26.5	39.7

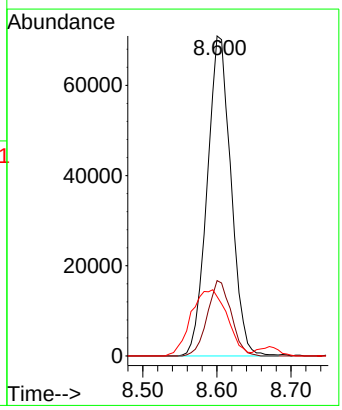


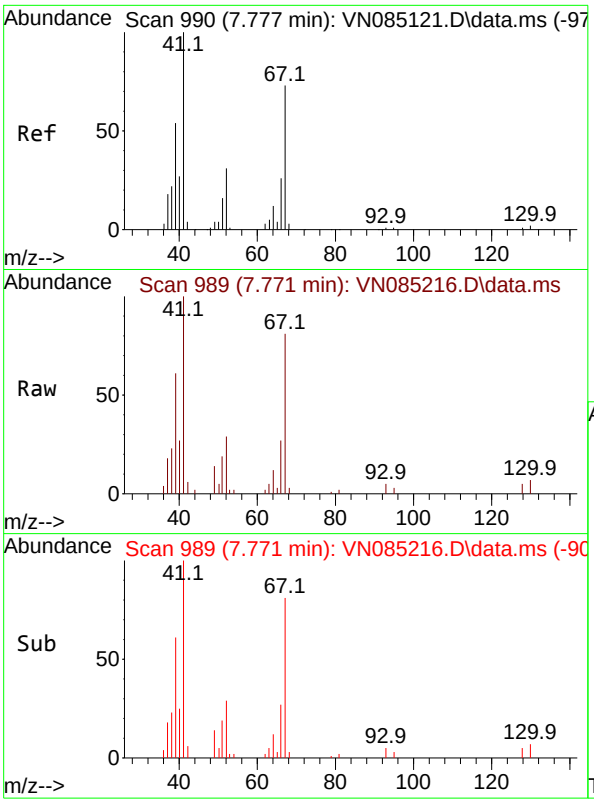


#34
Benzene
Concen: 19.668 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 78 Resp: 158070

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.0	27.0
51	16.7	12.4	18.6



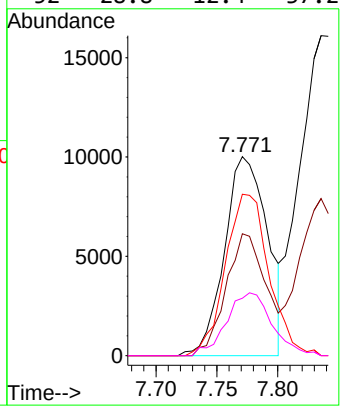


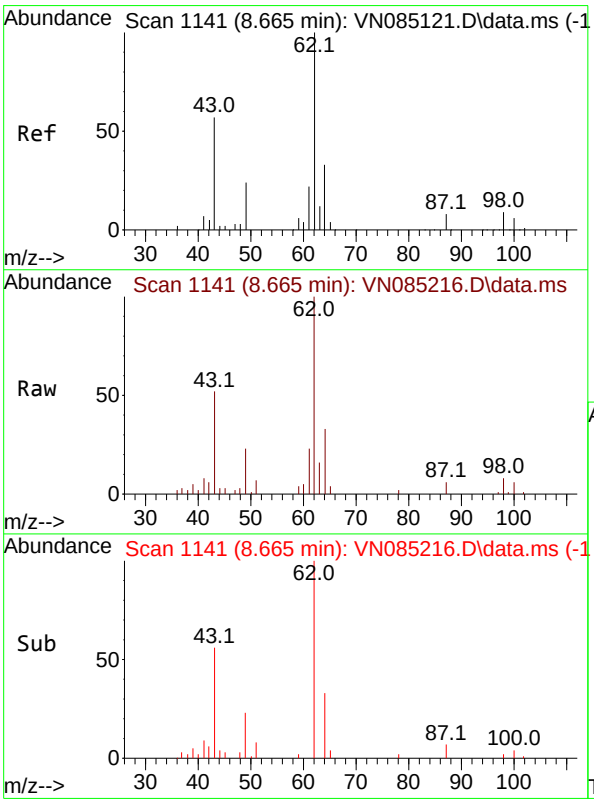
#35
Methacrylonitrile
Concen: 18.649 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 41 Resp: 24639

Ion	Ratio	Lower	Upper
41	100		
39	61.3	24.4	73.2
67	81.1	37.0	110.9
52	28.8	12.4	37.2

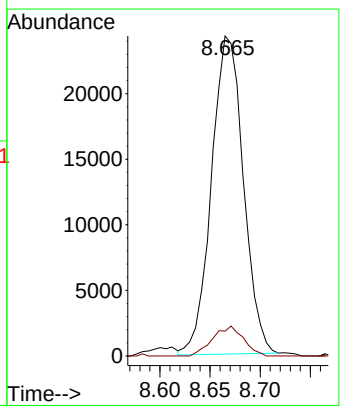


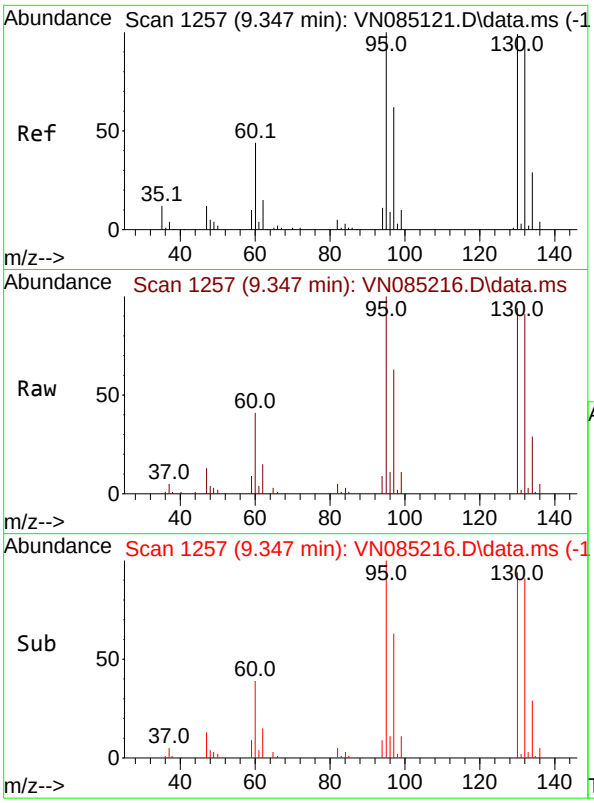


#36
1,2-Dichloroethane
Concen: 19.608 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 62 Resp: 53647

Ion	Ratio	Lower	Upper
62	100		
98	9.1	7.3	10.9



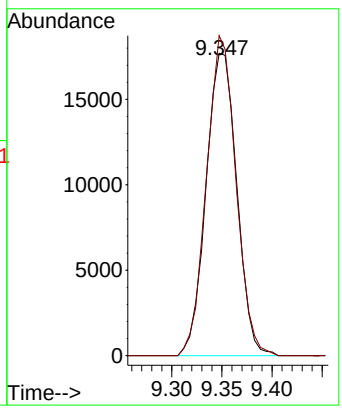


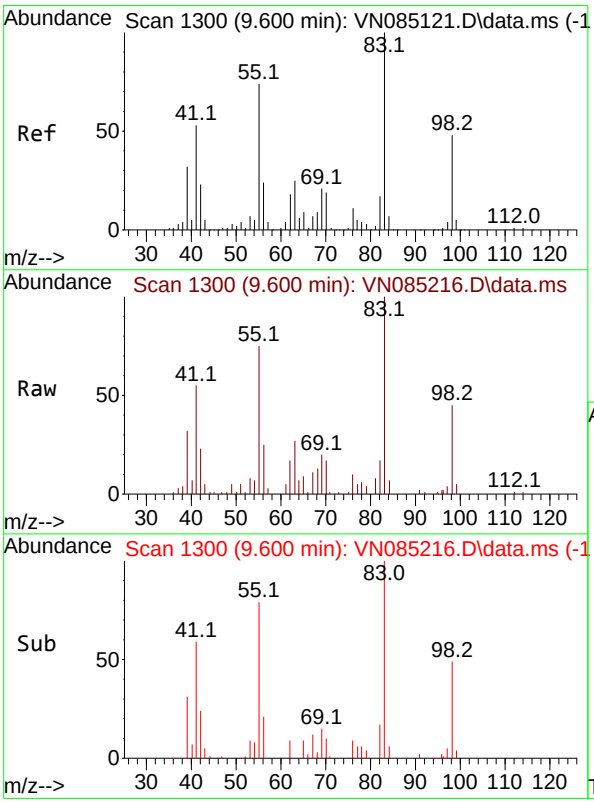
#37
Trichloroethene
Concen: 19.715 ug/l
RT: 9.347 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:130 Resp: 37732

Ion	Ratio	Lower	Upper
130	100		
95	105.8	76.2	114.4

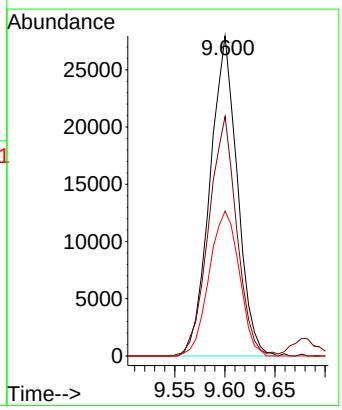


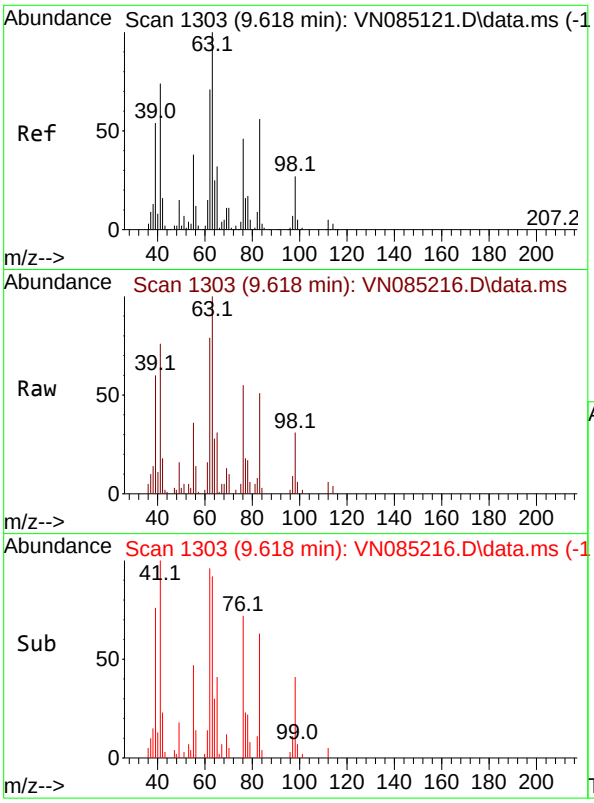


#38
Methylcyclohexane
Concen: 19.104 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 83 Resp: 53143

Ion	Ratio	Lower	Upper
83	100		
55	76.7	41.4	124.4
98	49.8	25.7	77.1



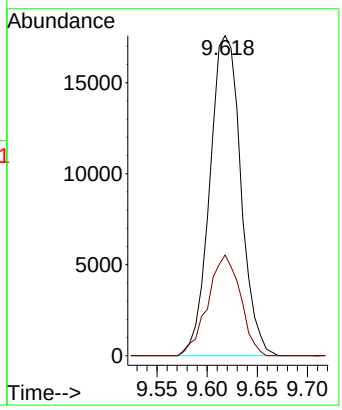


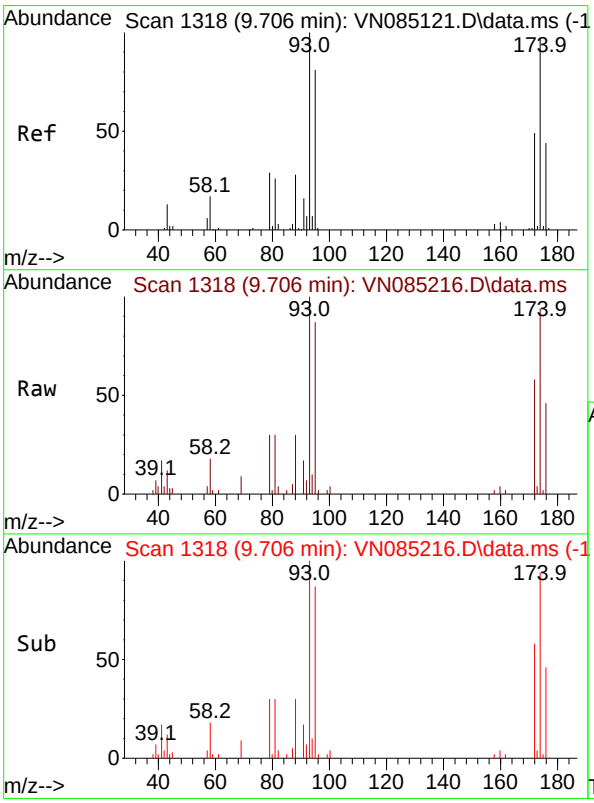
#39
1,2-Dichloropropane
Concen: 19.424 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 37813

Ion	Ratio	Lower	Upper
63	100		
65	31.5	23.4	35.0

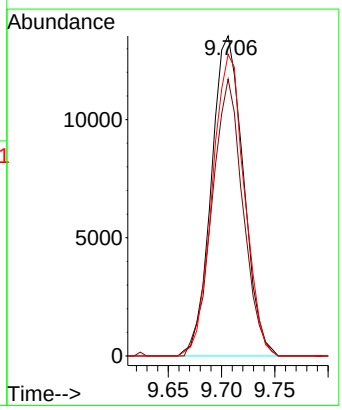


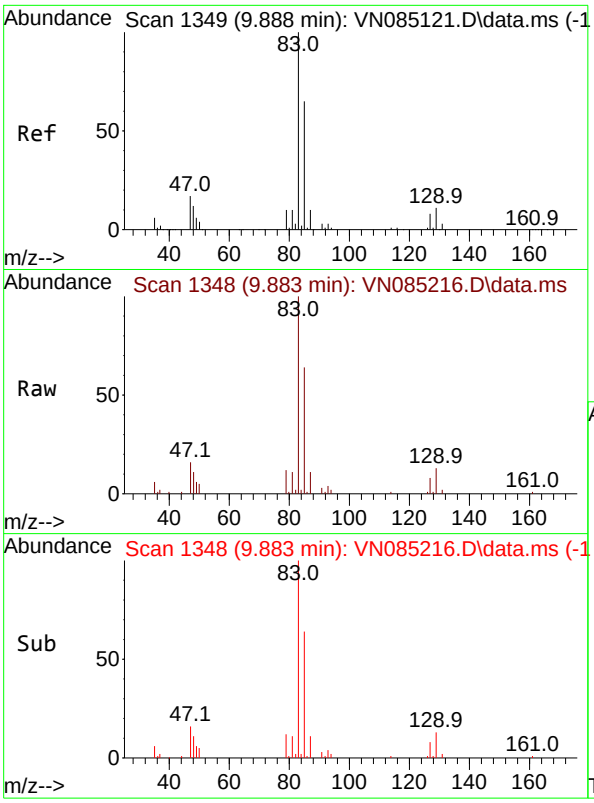


#40
Dibromomethane
Concen: 20.246 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 93 Resp: 28271

Ion	Ratio	Lower	Upper
93	100		
95	83.3	0.0	169.4
174	94.1	0.0	189.8



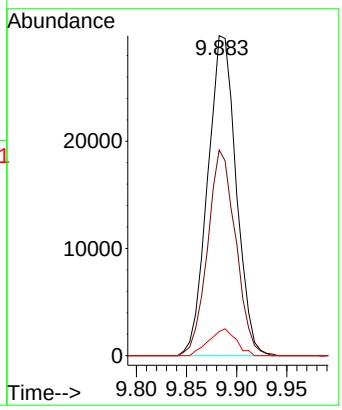


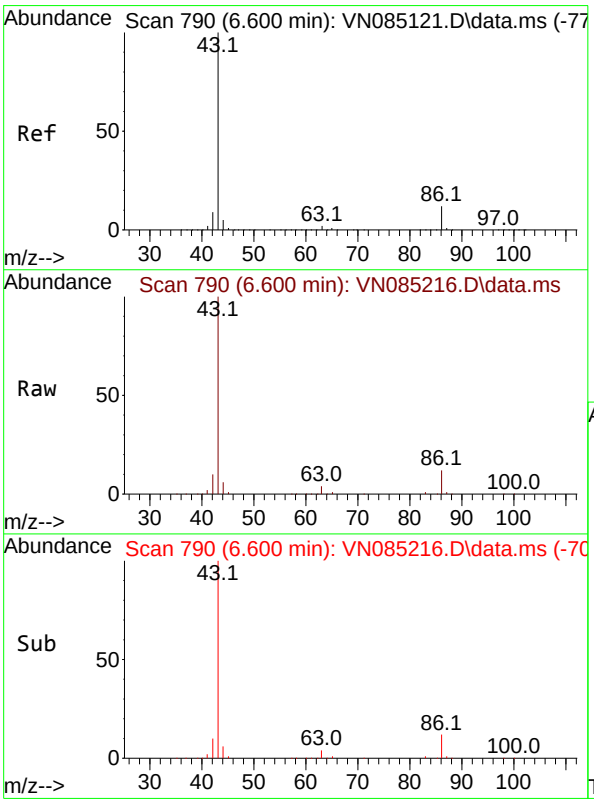
#41
Bromodichloromethane
Concen: 19.780 ug/l
RT: 9.883 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 59043

Ion	Ratio	Lower	Upper
83	100		
85	64.3	54.6	81.8
127	7.5	7.0	10.6

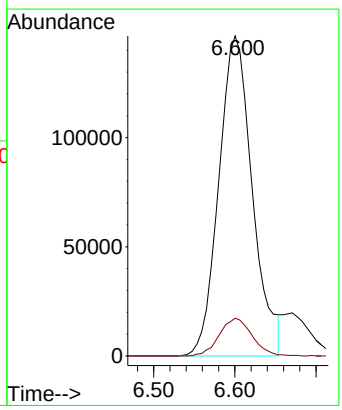


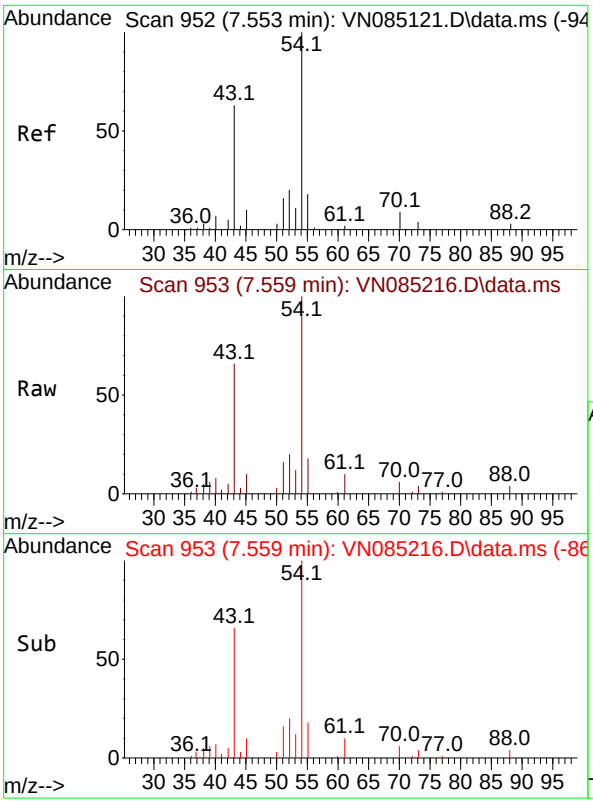


#42
Vinyl Acetate
Concen: 102.535 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 43 Resp: 421239

Ion	Ratio	Lower	Upper
43	100		
86	11.5	9.2	13.8



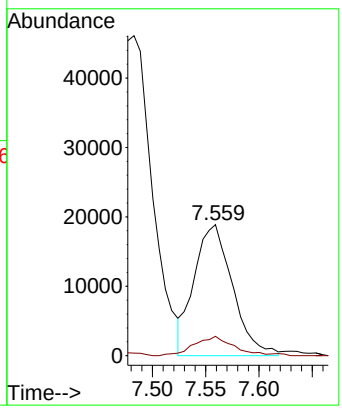


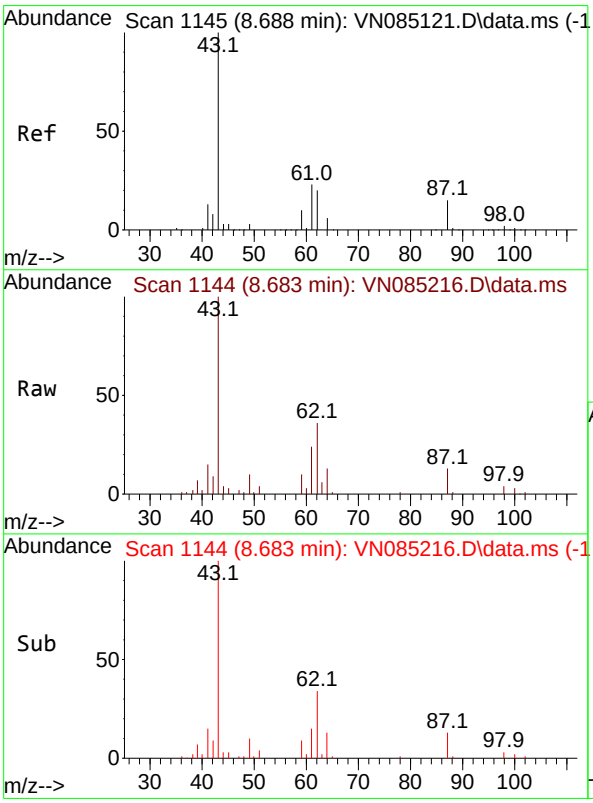
#43
Ethyl Acetate
Concen: 20.300 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 47420

Ion	Ratio	Lower	Upper
43	100		
45	14.9	13.3	19.9

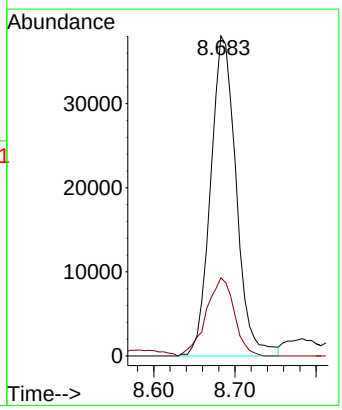


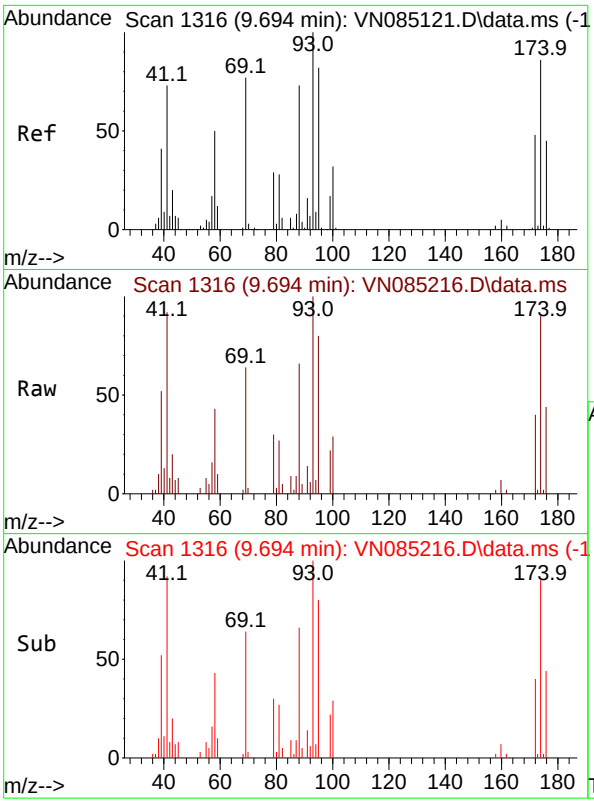


#44
Isopropyl Acetate
Concen: 20.553 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 43 Resp: 83434

Ion	Ratio	Lower	Upper
43	100		
61	26.7	21.5	32.3



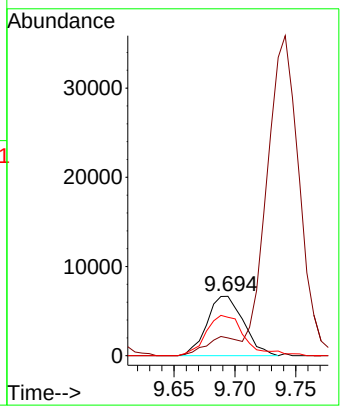


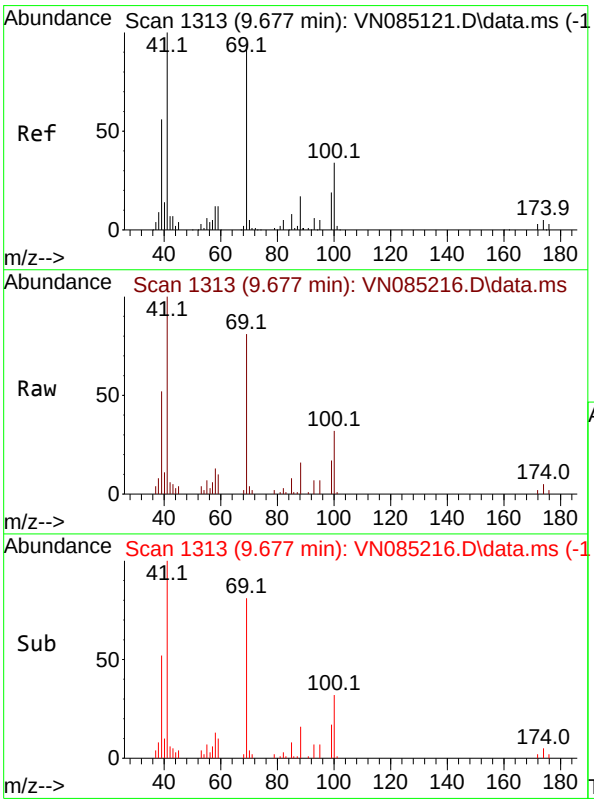
#45
1,4-Dioxane
Concen: 410.991 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 88 Resp: 13913

Ion	Ratio	Lower	Upper
88	100		
43	30.1	21.7	32.5
58	68.9	52.6	79.0

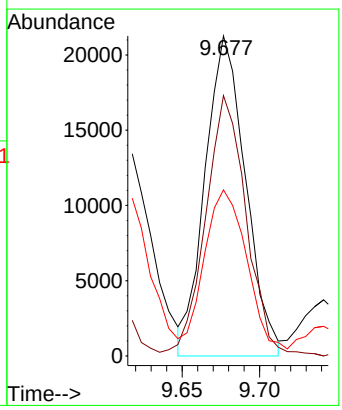


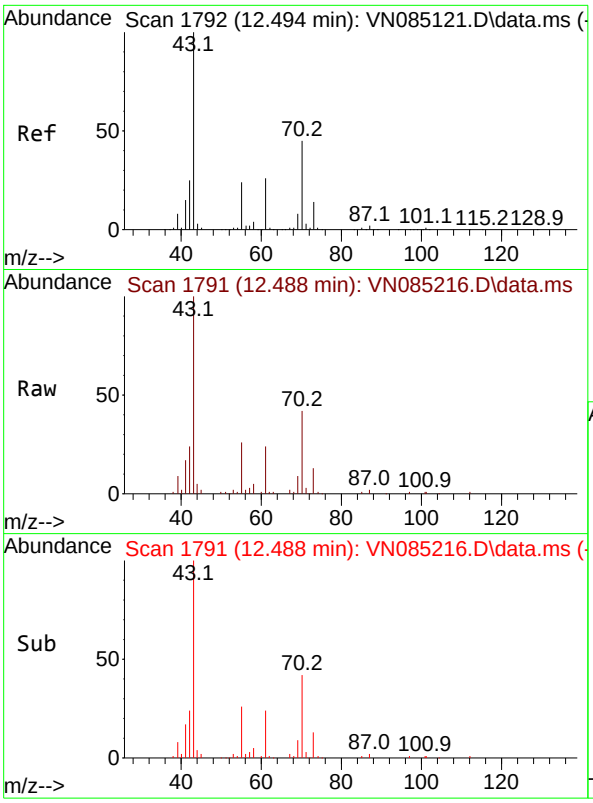


#46
Methyl methacrylate
Concen: 20.757 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 41 Resp: 38564

Ion	Ratio	Lower	Upper
41	100		
69	82.4	46.7	140.0
39	49.9	28.5	85.5



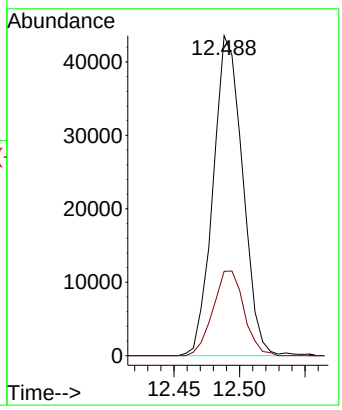


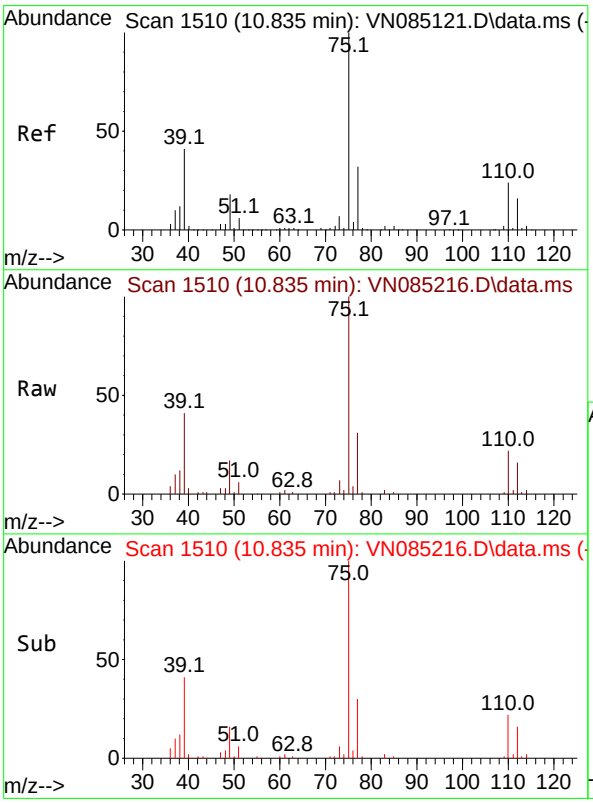
#47
n-amyl Acetate
Concen: 19.928 ug/l
RT: 12.488 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 68064

Ion	Ratio	Lower	Upper
43	100		
55	27.8	23.3	34.9

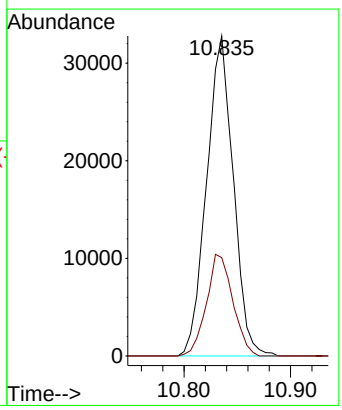


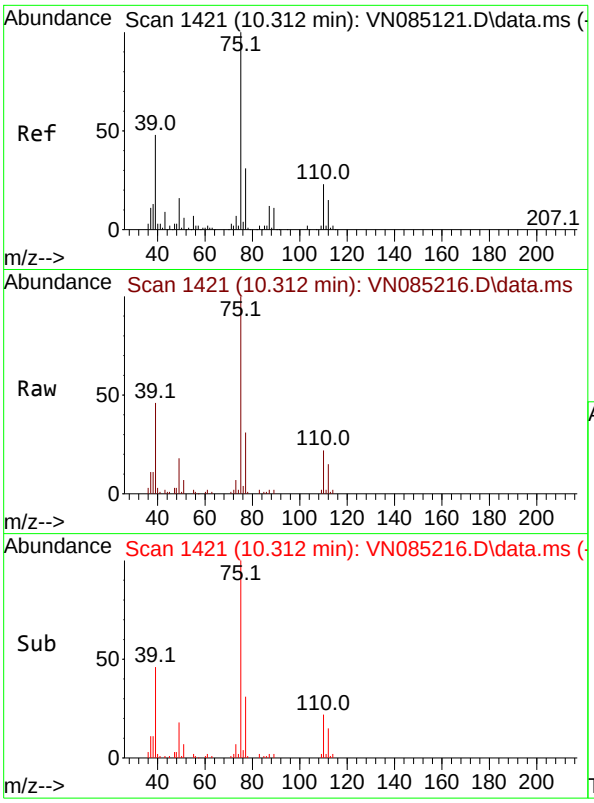


#48
t-1,3-Dichloropropene
Concen: 19.447 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 75 Resp: 56984

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.5	38.3



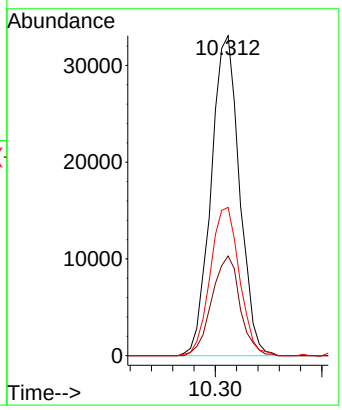


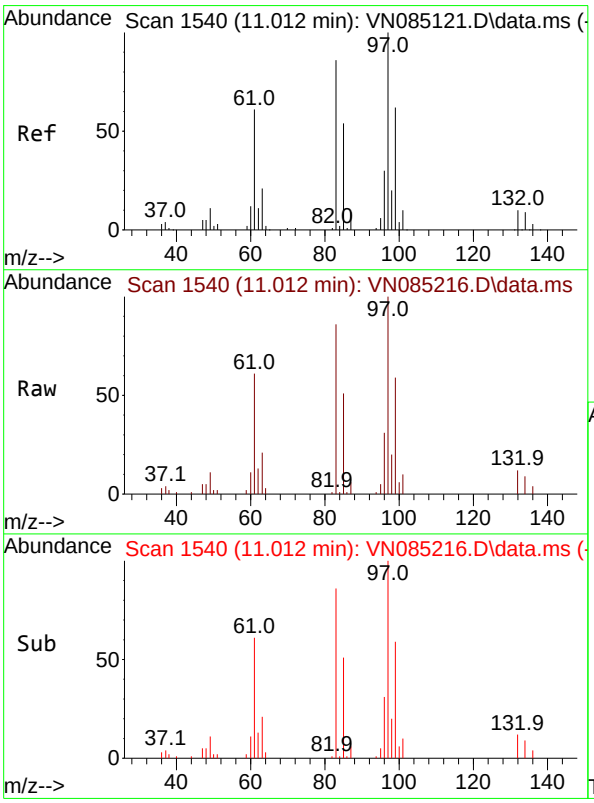
#49
cis-1,3-Dichloropropene
Concen: 19.185 ug/l
RT: 10.312 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 75 Resp: 61200

Ion	Ratio	Lower	Upper
75	100		
77	31.1	23.8	35.6
39	46.4	37.3	55.9

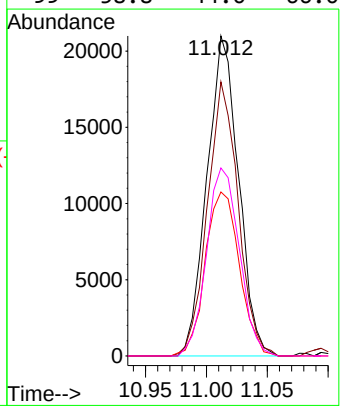


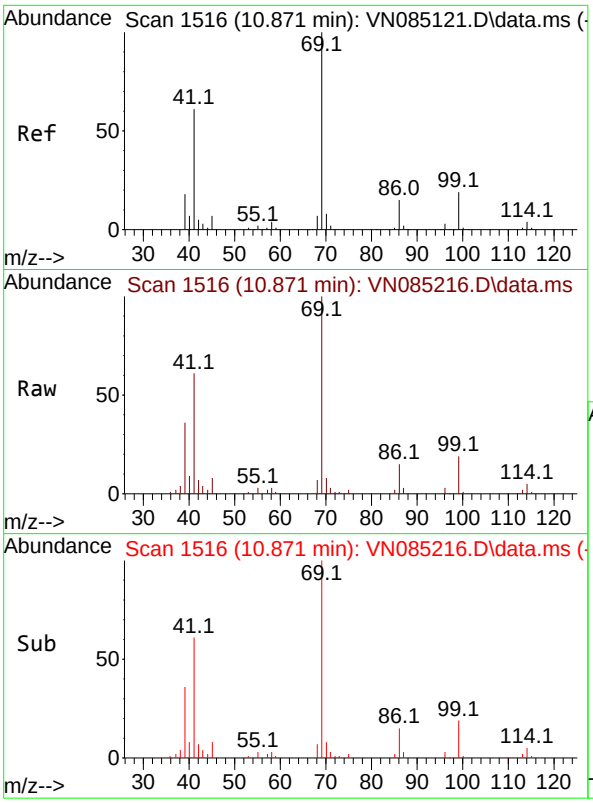


#50
1,1,2-Trichloroethane
Concen: 20.106 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 97 Resp: 37831

Ion	Ratio	Lower	Upper
97	100		
83	85.7	65.8	98.8
85	51.3	40.8	61.2
99	58.8	44.0	66.0



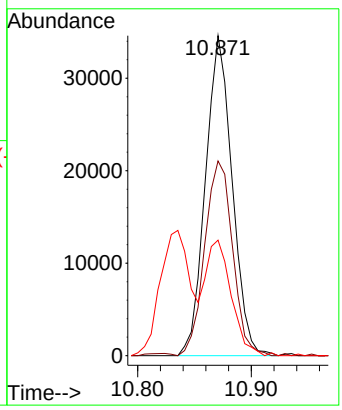


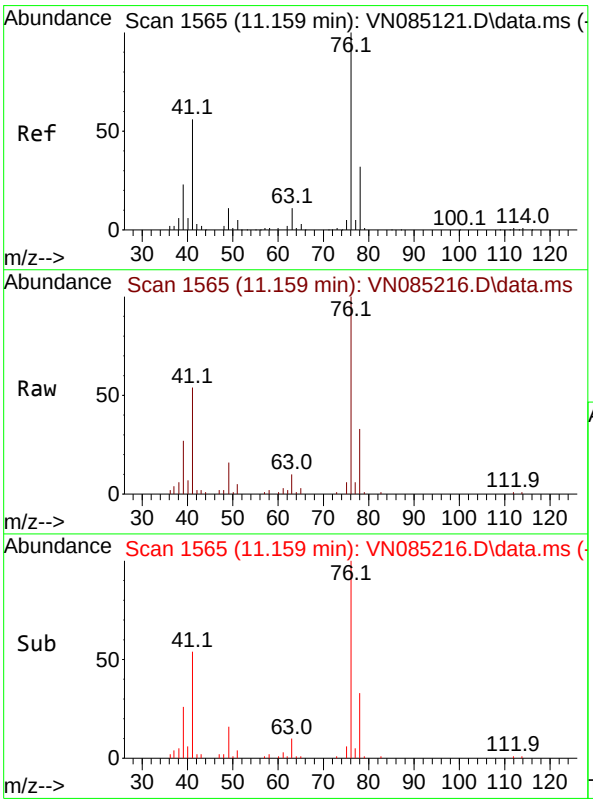
#51
Ethyl methacrylate
Concen: 19.790 ug/l
RT: 10.871 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 69 Resp: 56637

Ion	Ratio	Lower	Upper
69	100		
41	60.8	32.1	96.3
39	36.1	18.8	56.4

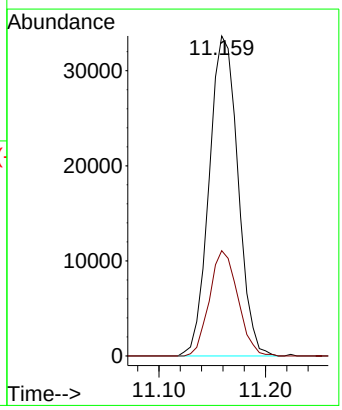


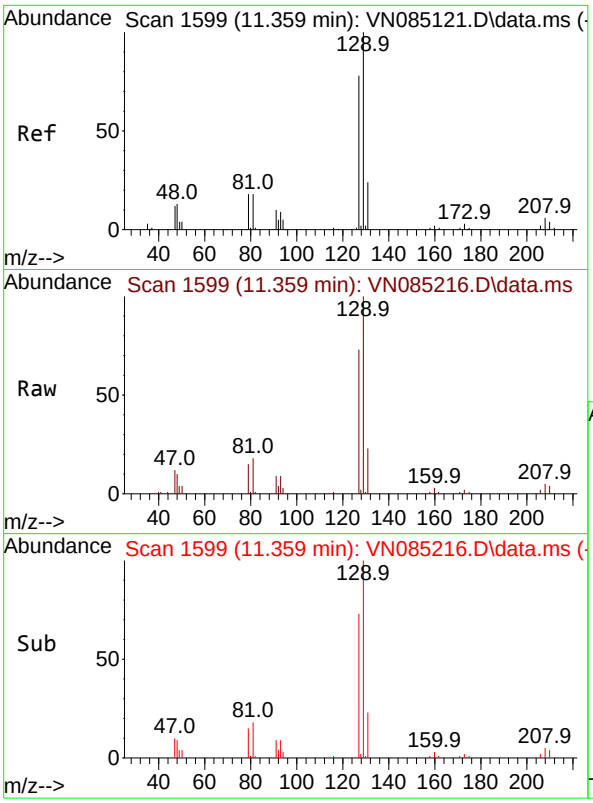


#52
1,3-Dichloropropane
Concen: 20.068 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 76 Resp: 63193

Ion	Ratio	Lower	Upper
76	100		
78	32.4	0.0	65.6



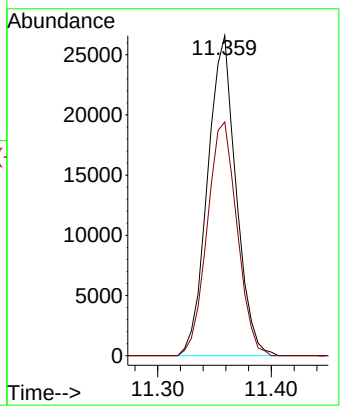


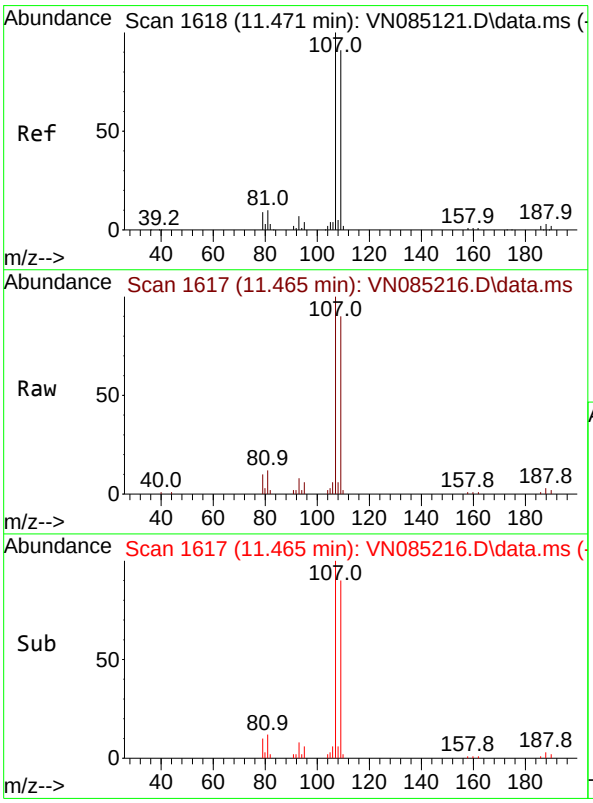
#53
Dibromochloromethane
Concen: 20.142 ug/l
RT: 11.359 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:129 Resp: 46186

Ion	Ratio	Lower	Upper
129	100		
127	76.9	37.3	111.9

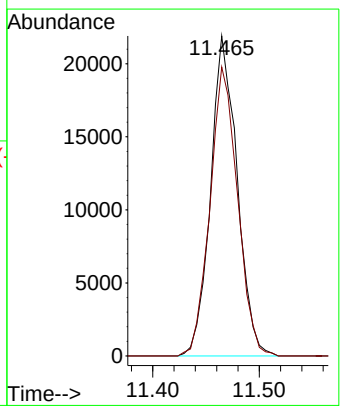


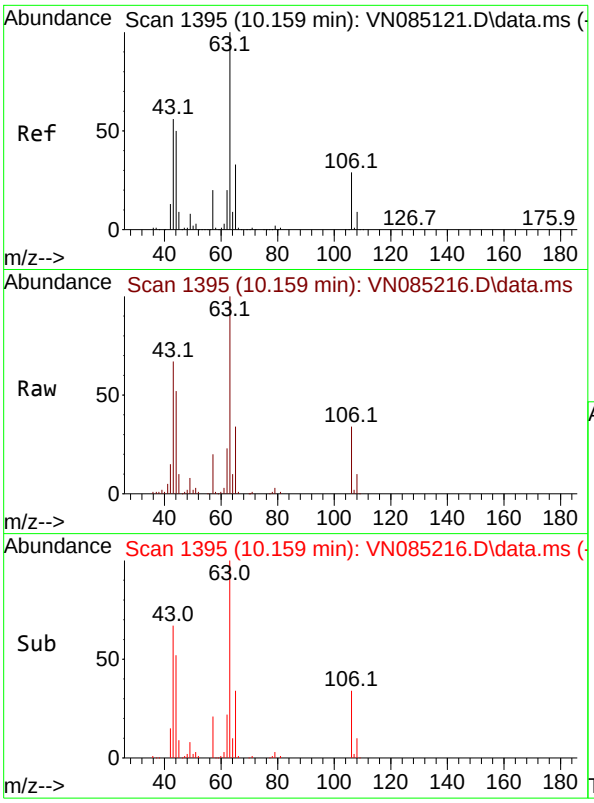


#54
1,2-Dibromoethane
Concen: 19.998 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:107 Resp: 37912

Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.2	112.8



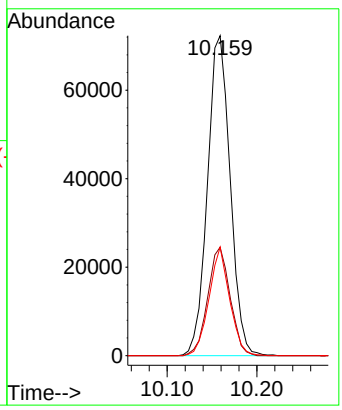


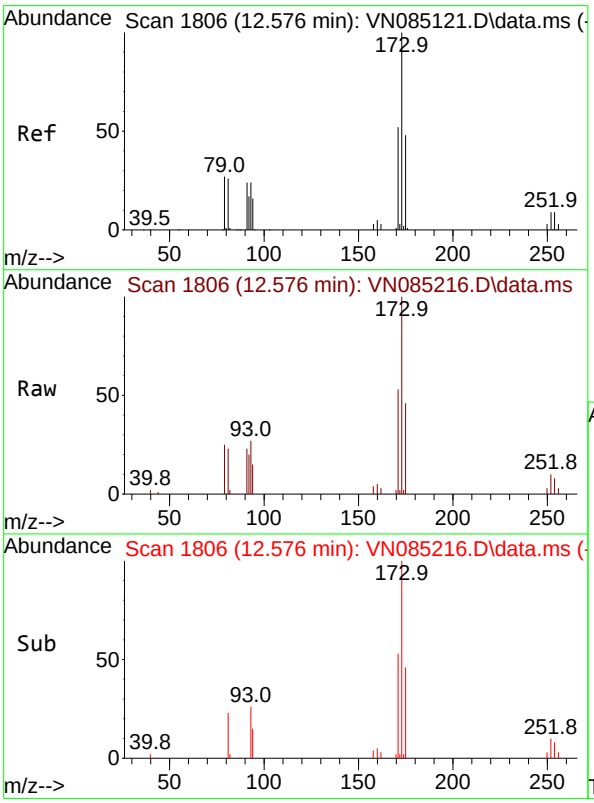
#55
2-Chloroethyl vinyl ether
Concen: 95.632 ug/l
RT: 10.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 127137

Ion	Ratio	Lower	Upper
63	100		
65	33.3	25.9	38.9
106	30.8	23.5	35.3

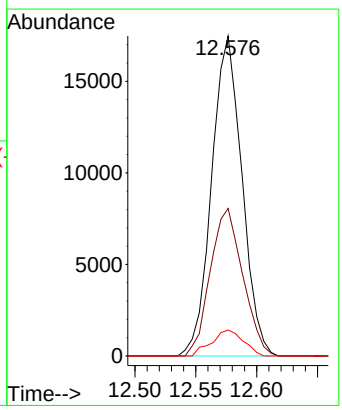


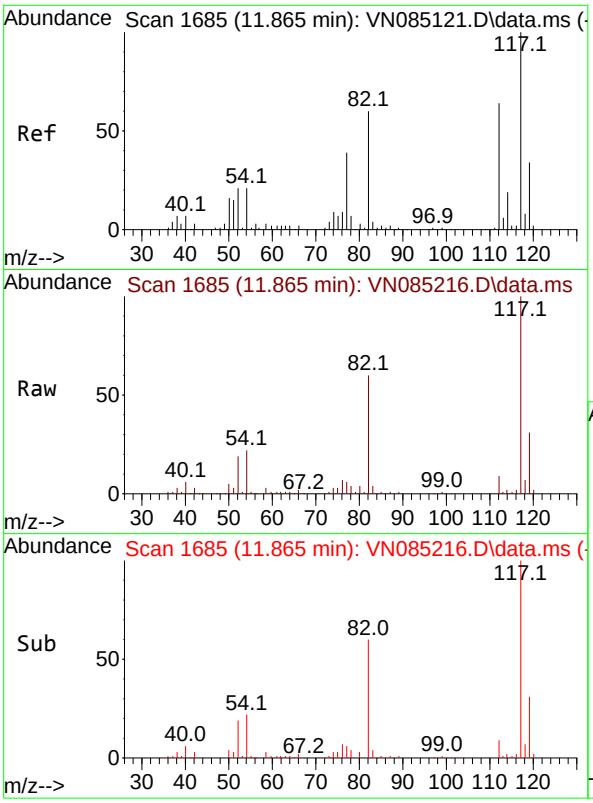


#56
Bromoform
Concen: 19.663 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:173 Resp: 30230

Ion	Ratio	Lower	Upper
173	100		
175	49.5	40.2	60.2
254	8.5	6.2	9.4



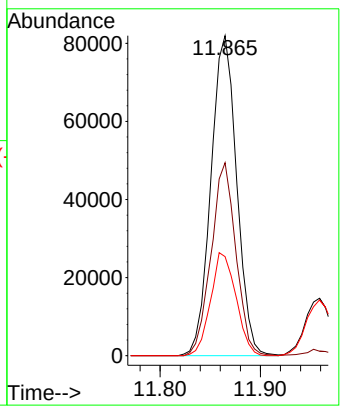


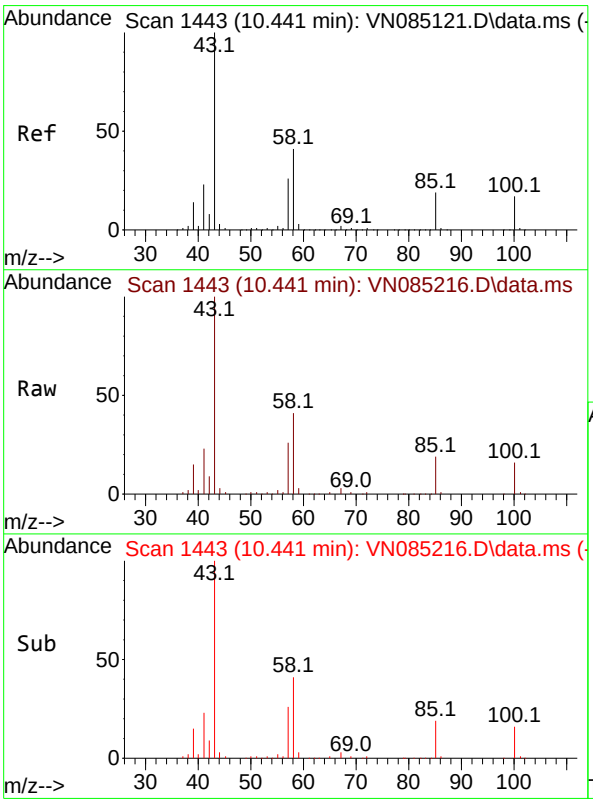
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:117 Resp: 146162

Ion	Ratio	Lower	Upper
117	100		
82	57.9	44.2	66.4
119	31.7	25.4	38.2

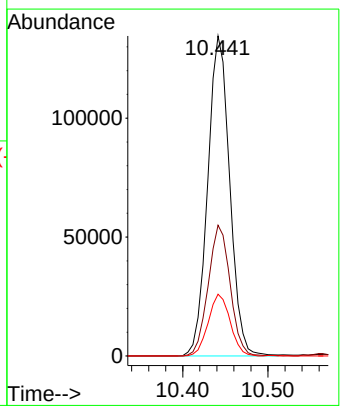


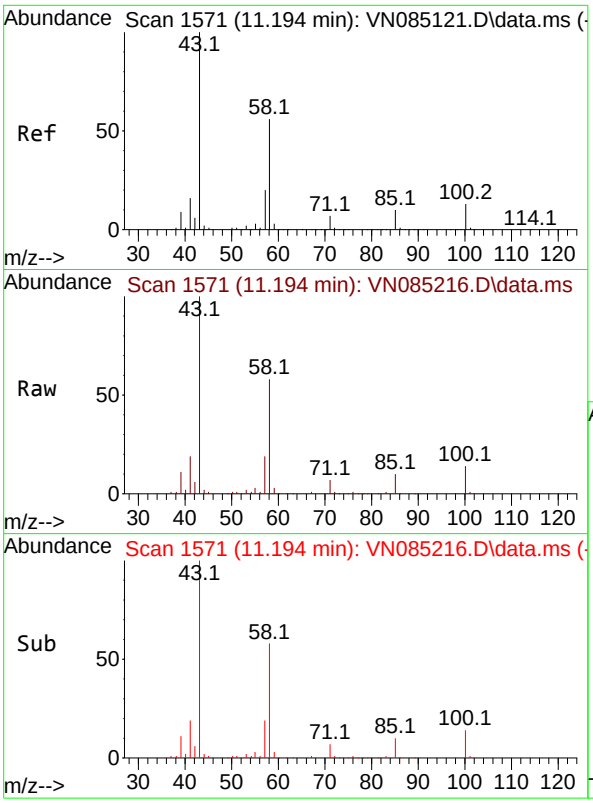


#58
4-Methyl-2-Pentanone
Concen: 101.359 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 43 Resp: 241784

Ion	Ratio	Lower	Upper
43	100		
58	40.7	31.6	47.4
85	19.2	15.0	22.6



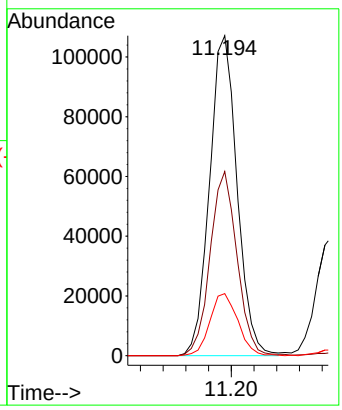


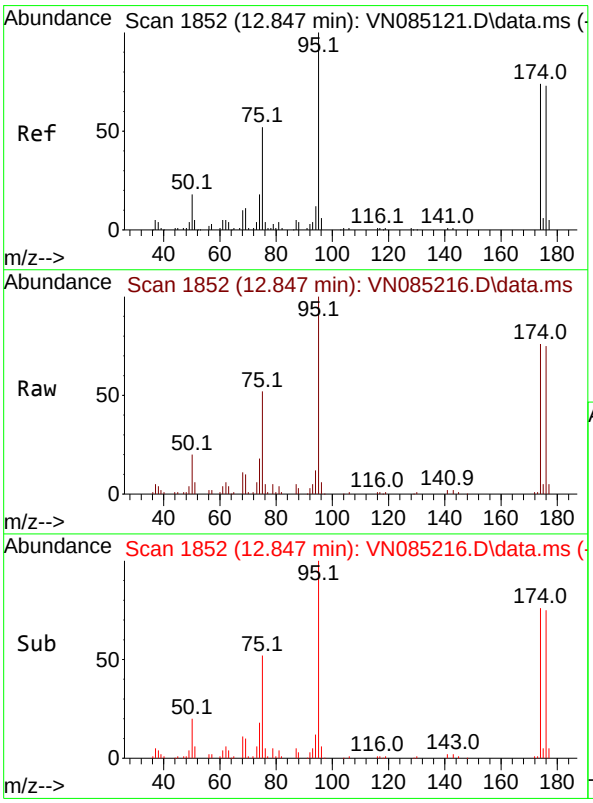
#59
2-Hexanone
Concen: 99.918 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 180597

Ion	Ratio	Lower	Upper
43	100		
58	56.1	43.6	65.4
57	19.7	15.4	23.0

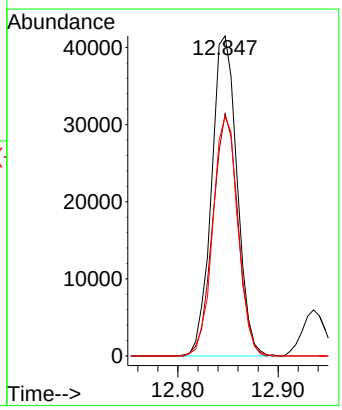


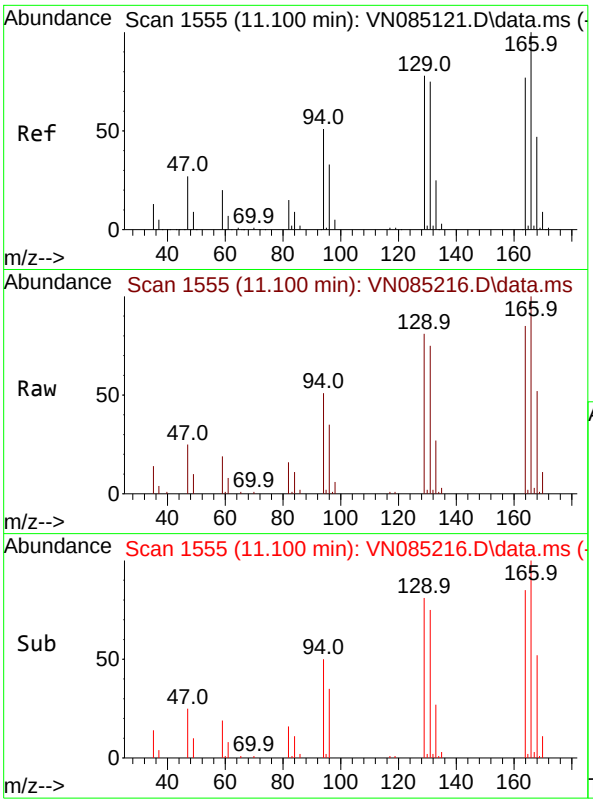


#60
4-Bromofluorobenzene
Concen: 30.335 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 95 Resp: 73363

Ion	Ratio	Lower	Upper
95	100		
174	74.4	60.3	90.5
176	73.4	57.4	86.0



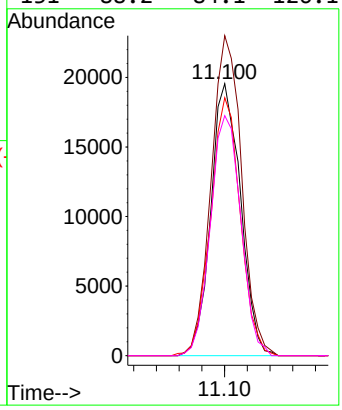


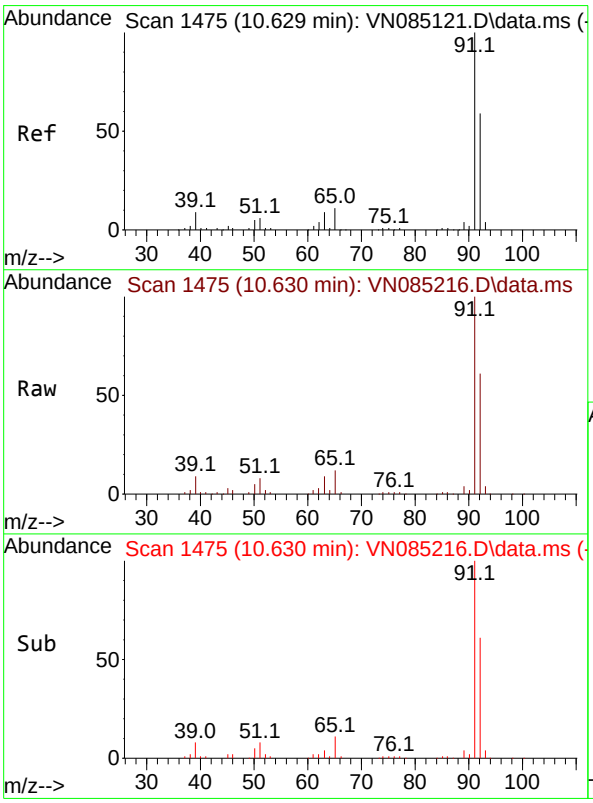
#61
Tetrachloroethene
Concen: 20.047 ug/l
RT: 11.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:164 Resp: 35484

Ion	Ratio	Lower	Upper
164	100		
166	117.6	103.8	155.8
129	94.8	84.2	126.4
131	88.2	84.1	126.1

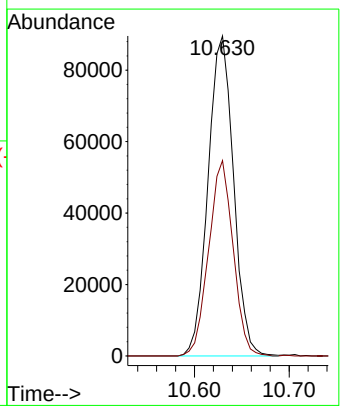


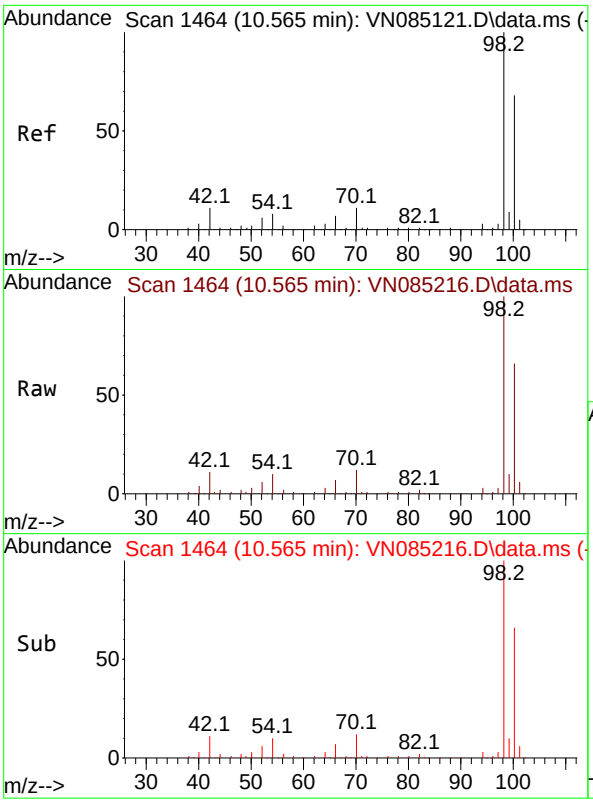


#62
Toluene
Concen: 19.603 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 91 Resp: 167102

Ion	Ratio	Lower	Upper
91	100		
92	58.7	46.5	69.7



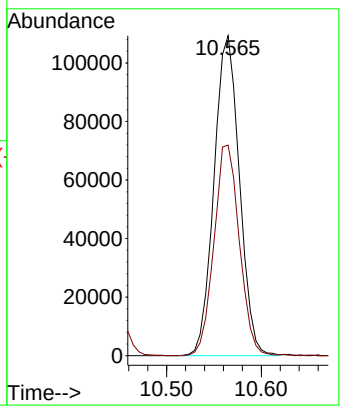


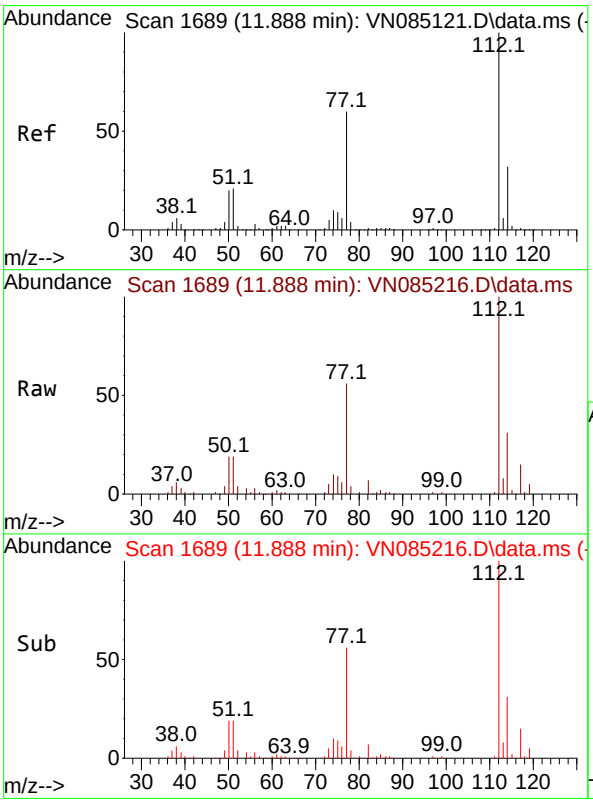
#63
Toluene-d8
Concen: 29.742 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 98 Resp: 203918

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.0	78.0

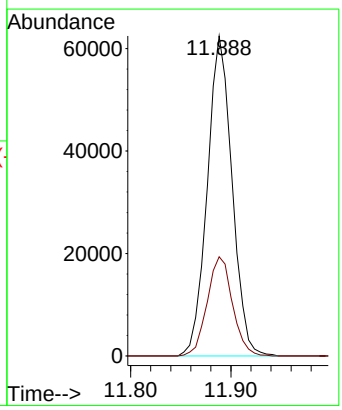


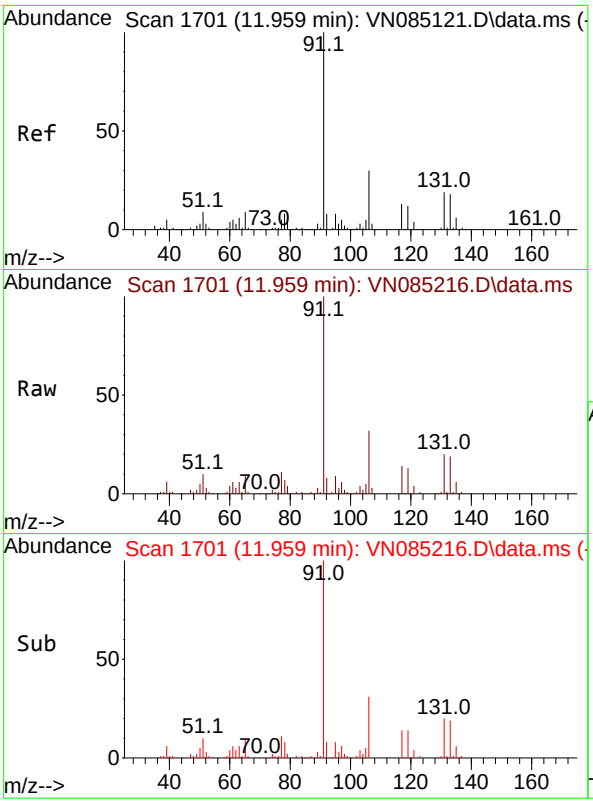


#64
Chlorobenzene
Concen: 20.374 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:112 Resp: 107226

Ion	Ratio	Lower	Upper
112	100		
114	31.0	26.0	39.0



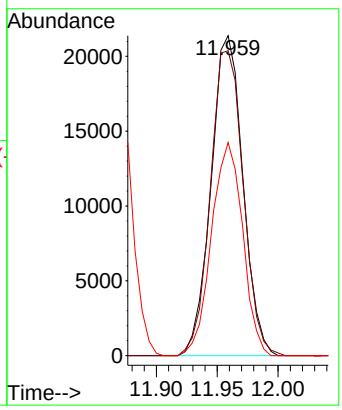


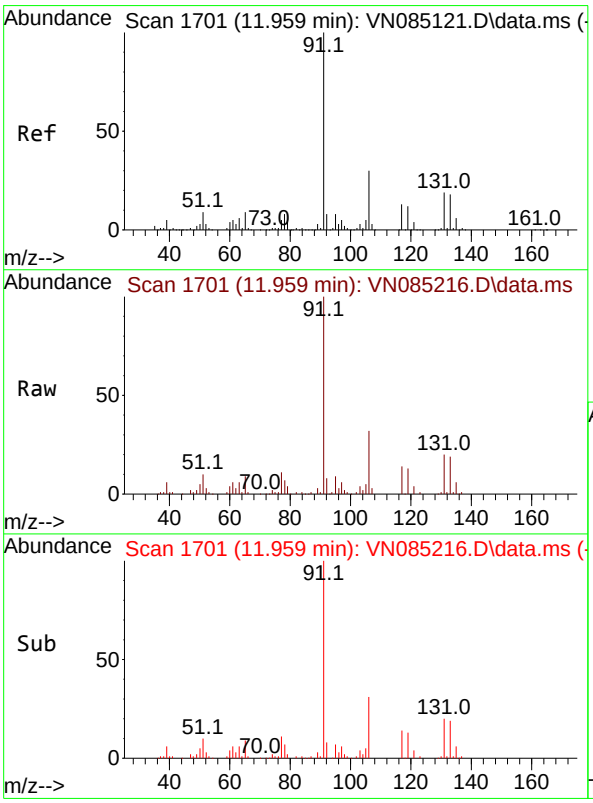
#65
1,1,1,2-Tetrachloroethane
Concen: 19.821 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:131 Resp: 38942

Ion	Ratio	Lower	Upper
131	100		
133	98.1	0.0	194.0
119	65.3	0.0	131.8

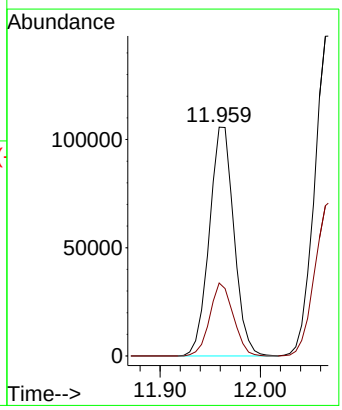


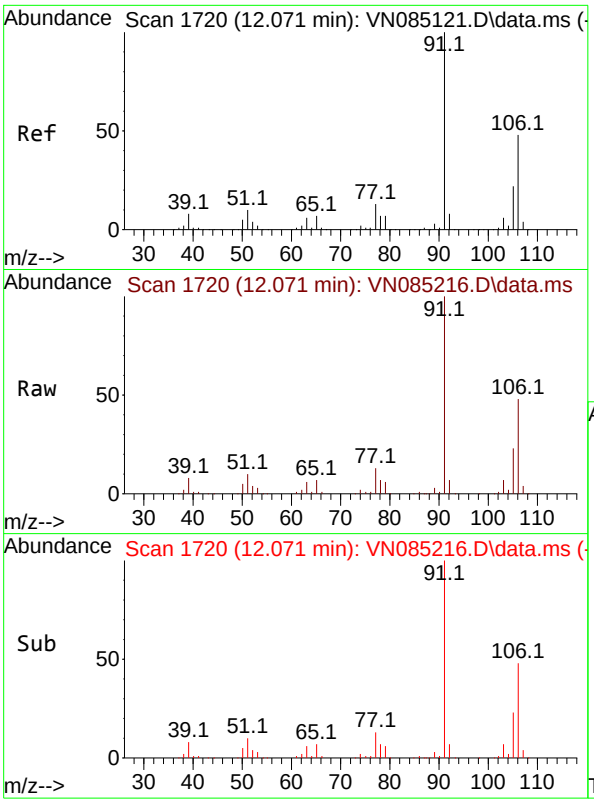


#66
Ethyl Benzene
Concen: 19.992 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 91 Resp: 180830

Ion	Ratio	Lower	Upper
91	100		
106	31.9	23.1	34.7



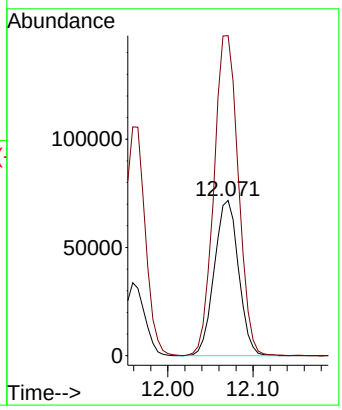


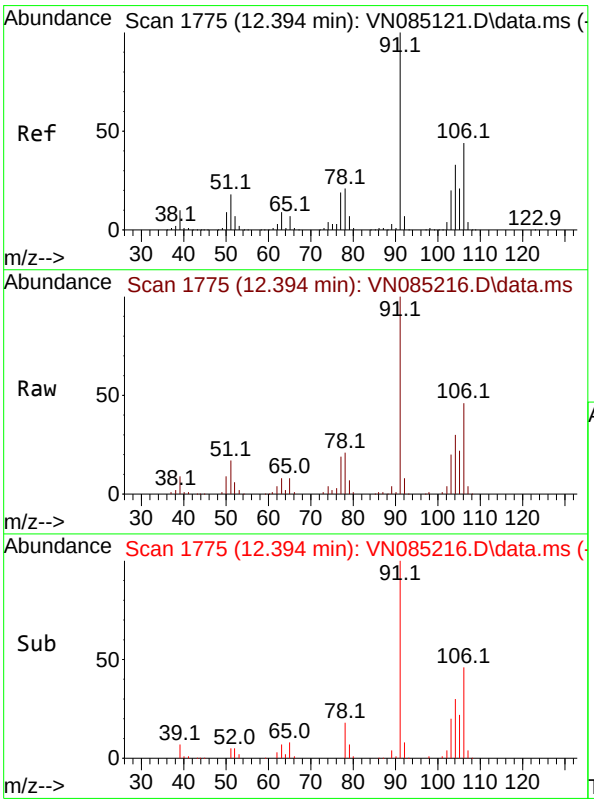
#67
m/p-Xylenes
Concen: 40.773 ug/l
RT: 12.071 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:106 Resp: 141848

Ion	Ratio	Lower	Upper
106	100		
91	207.4	165.0	247.4

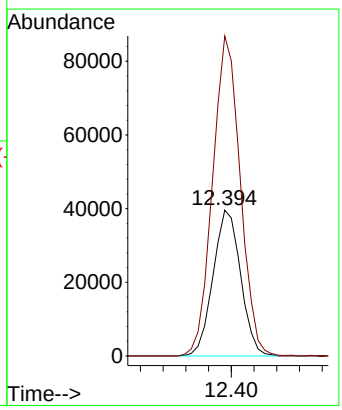


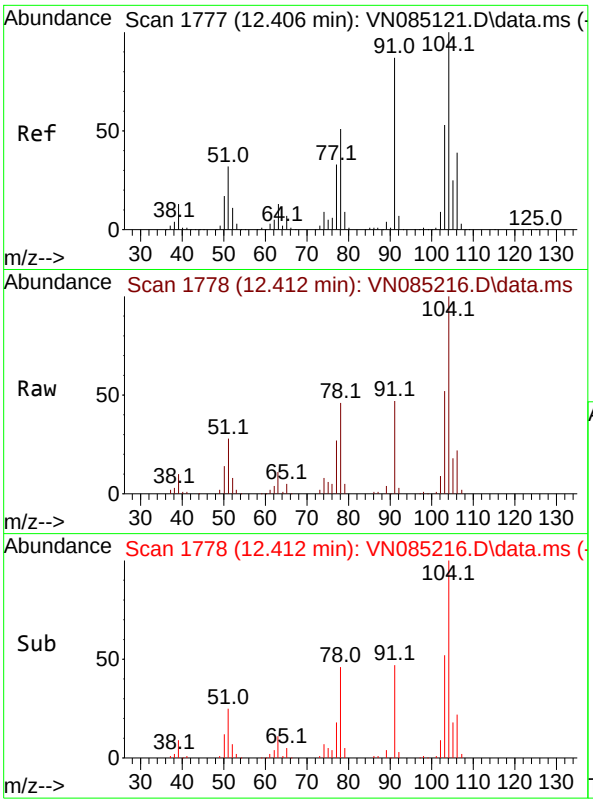


#68
o-Xylene
Concen: 20.398 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:106 Resp: 66647

Ion	Ratio	Lower	Upper
106	100		
91	220.1	112.1	336.4



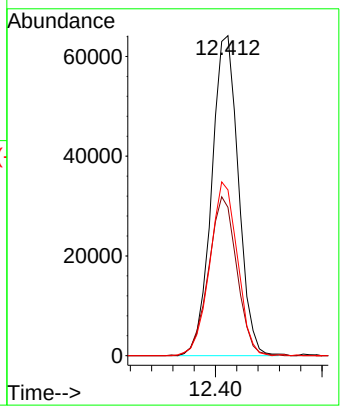


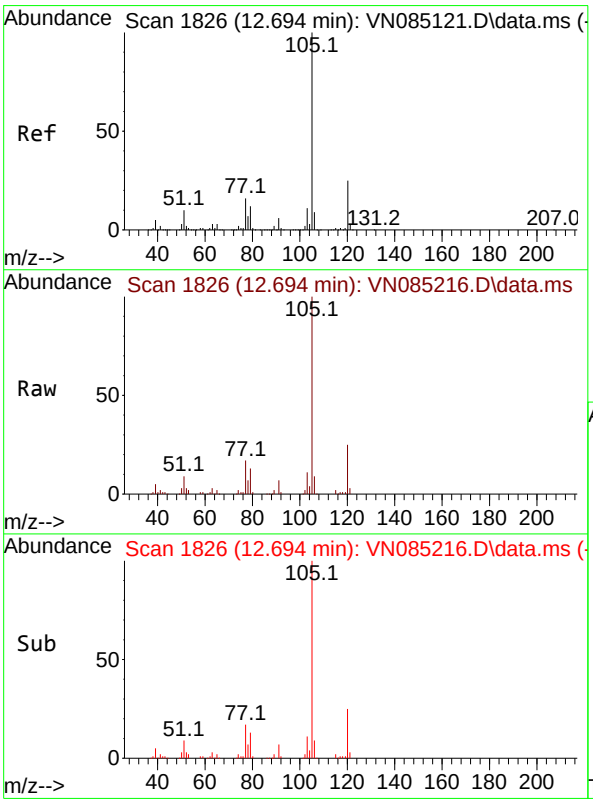
#69
Styrene
Concen: 20.189 ug/l
RT: 12.412 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:104 Resp: 111932

Ion	Ratio	Lower	Upper
104	100		
78	52.4	42.3	63.5
103	56.0	44.4	66.6

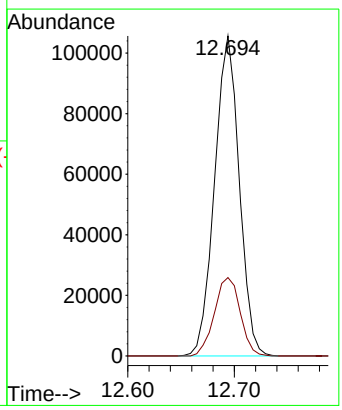


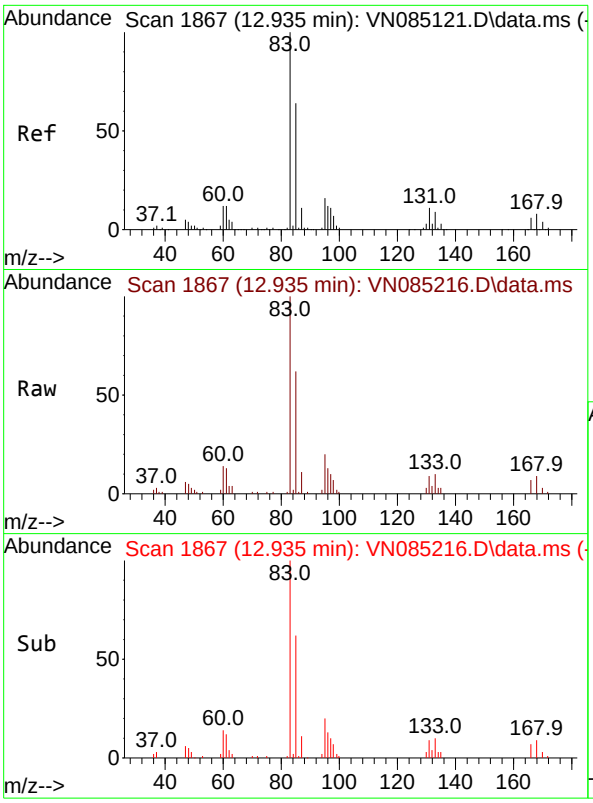


#70
Isopropylbenzene
Concen: 20.146 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:105 Resp: 169768

Ion	Ratio	Lower	Upper
105	100		
120	25.6	18.3	33.9



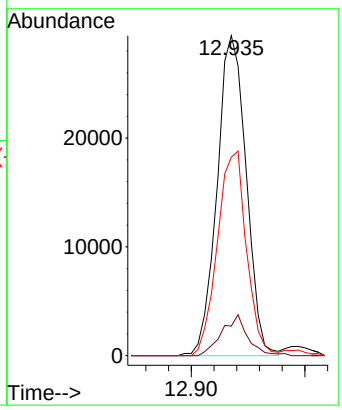


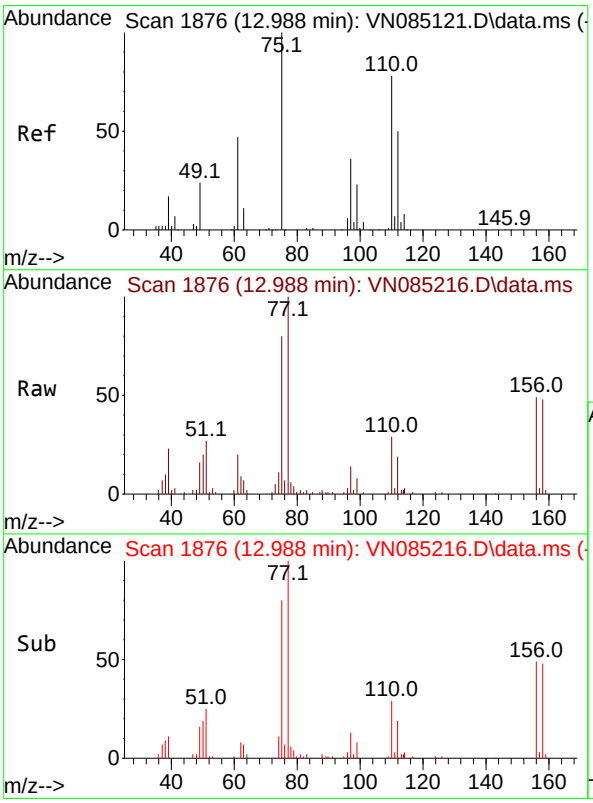
#71
1,1,2,2-Tetrachloroethane
Concen: 20.416 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 52367

Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.1	15.3
85	63.6	31.1	93.5

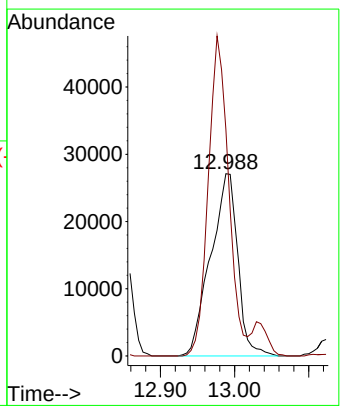


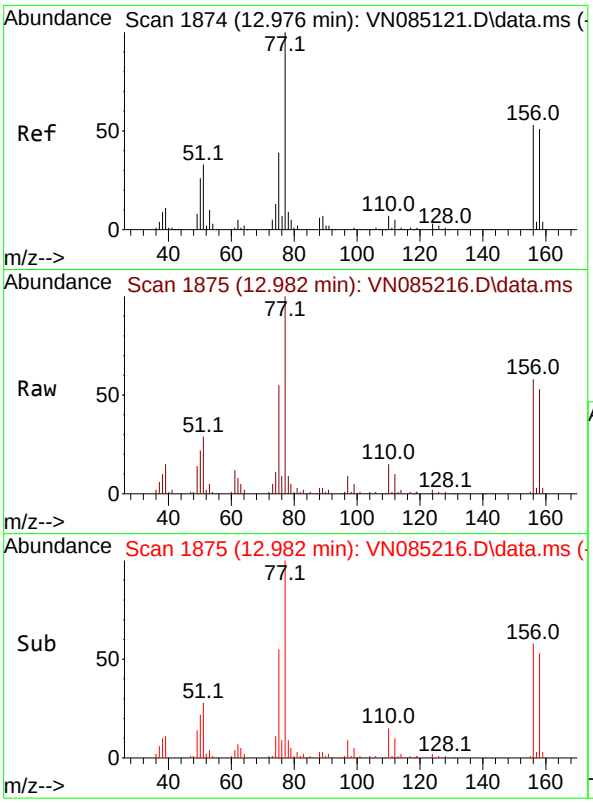


#72
1,2,3-Trichloropropane
Concen: 27.180 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 75 Resp: 68868

Ion	Ratio	Lower	Upper
75	100		
77	132.2	0.0	339.0



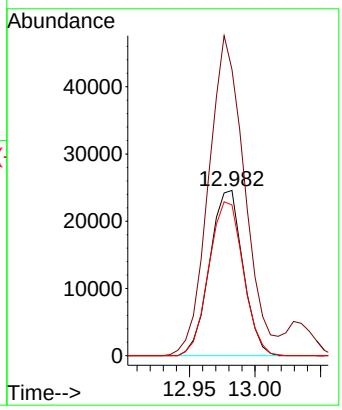


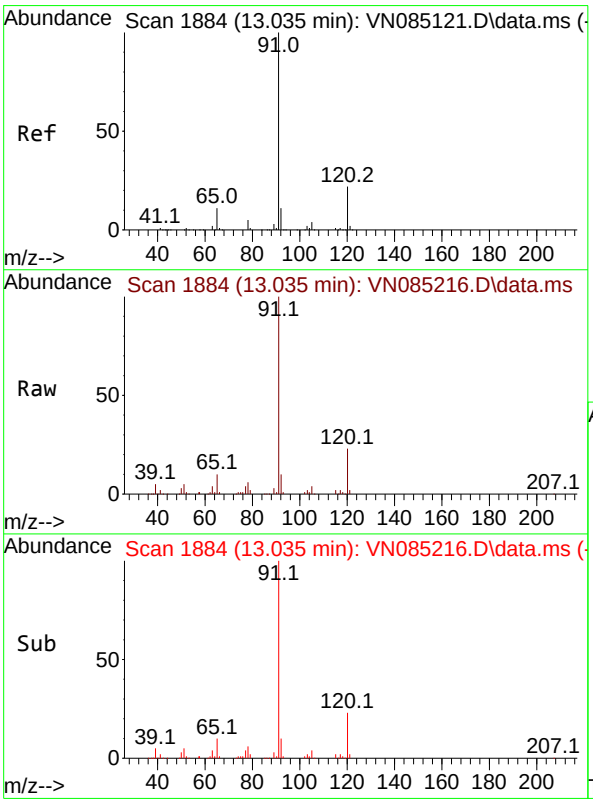
#73
Bromobenzene
Concen: 20.542 ug/l
RT: 12.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:156 Resp: 43360

Ion	Ratio	Lower	Upper
156	100		
77	210.0	0.0	430.4
158	96.3	0.0	195.2

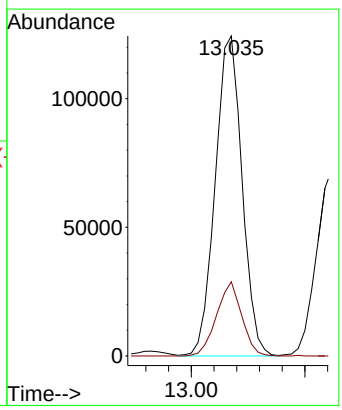


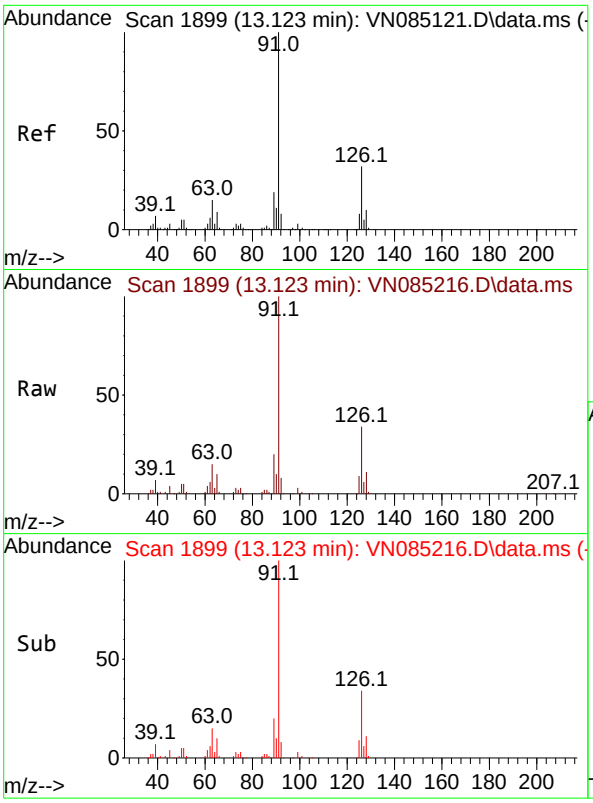


#74
n-propylbenzene
Concen: 20.162 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 91 Resp: 204268

Ion	Ratio	Lower	Upper
91	100		
120	21.7	0.0	44.0



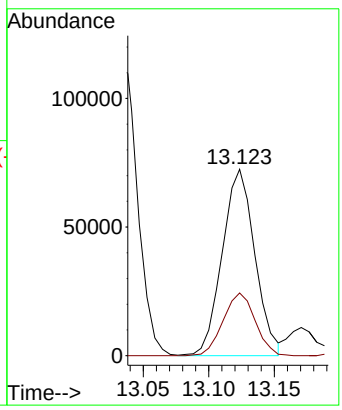


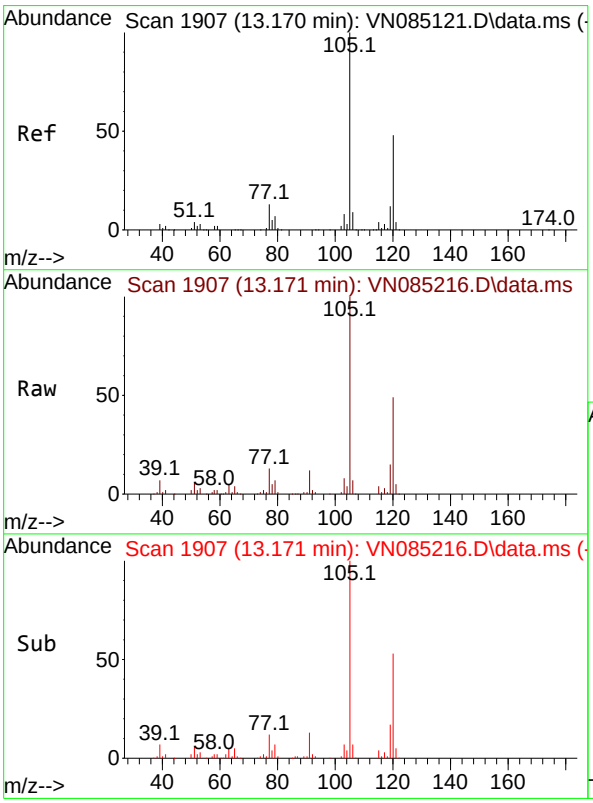
#75
2-Chlorotoluene
Concen: 20.066 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 125691

Ion	Ratio	Lower	Upper
91	100		
126	33.0	0.0	64.2

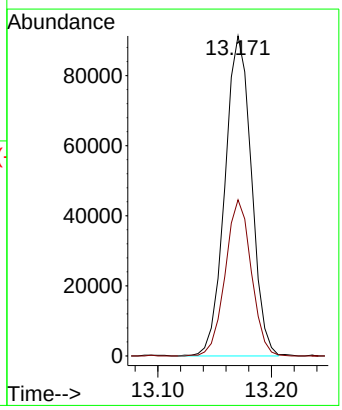


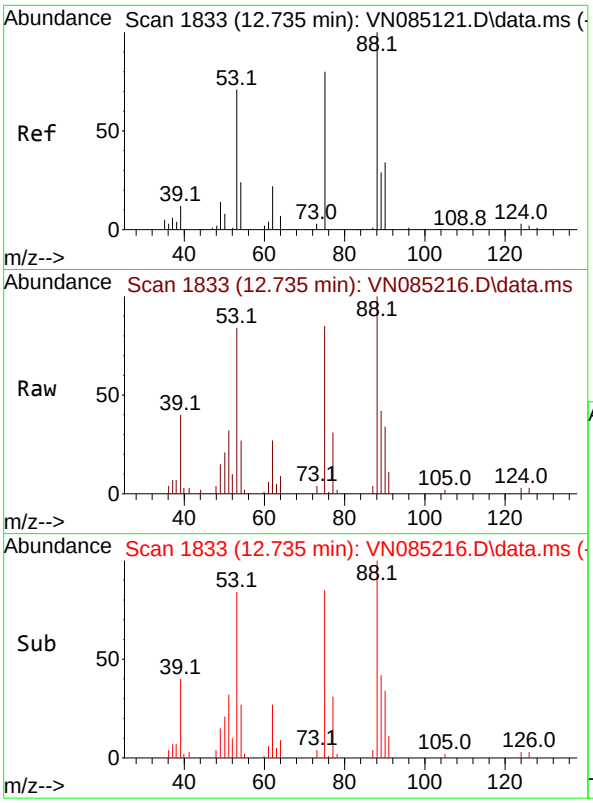


#76
1,3,5-Trimethylbenzene
Concen: 20.451 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:105 Resp: 147652

Ion	Ratio	Lower	Upper
105	100		
120	47.9	0.0	94.4



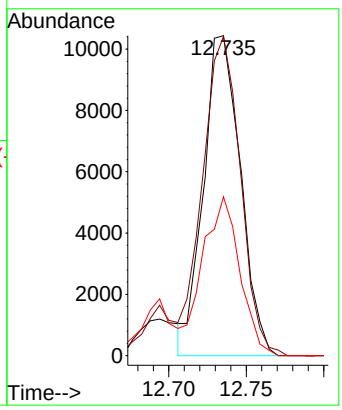


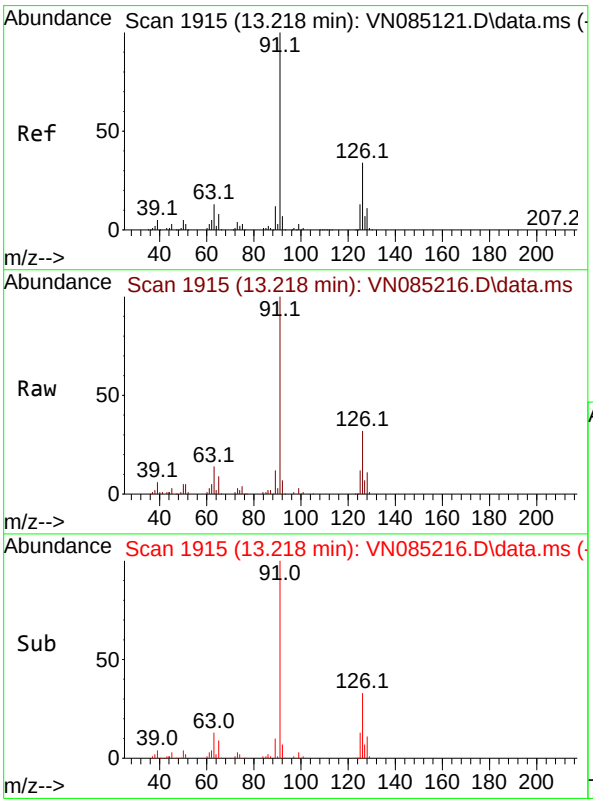
#77
t-1,4-Dichloro-2-butene
Concen: 18.797 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 75 Resp: 17306

Ion	Ratio	Lower	Upper
75	100		
53	98.0	49.1	147.3
89	49.6	22.9	68.5

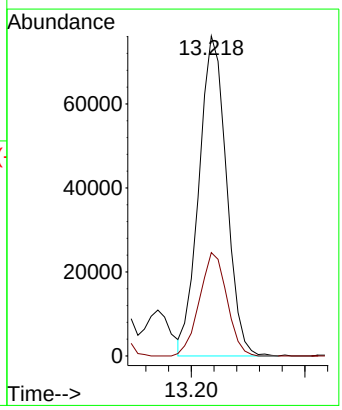


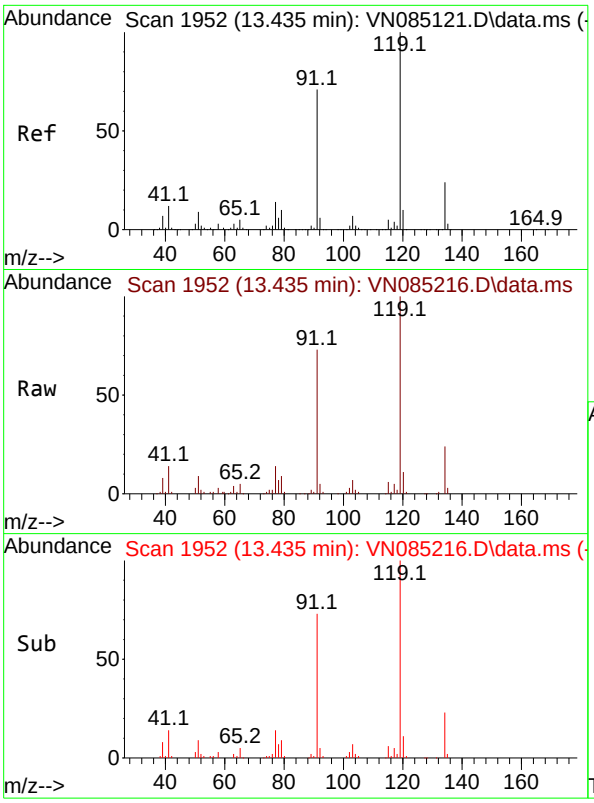


#78
4-Chlorotoluene
Concen: 20.129 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 91 Resp: 127980

Ion	Ratio	Lower	Upper
91	100		
126	32.2	0.0	64.4



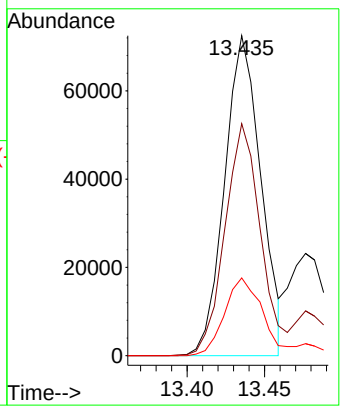


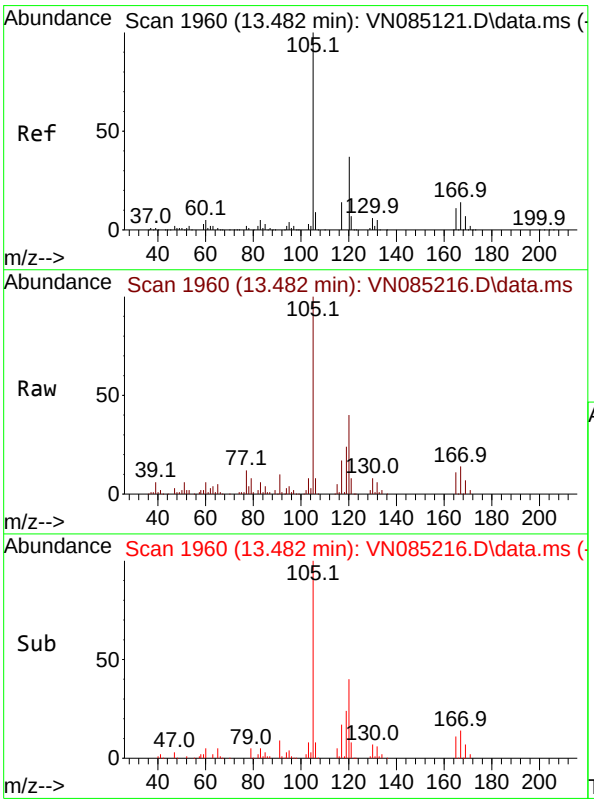
#79
tert-butylbenzene
Concen: 19.923 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:119 Resp: 118141

Ion	Ratio	Lower	Upper
119	100		
91	71.4	0.0	139.2
134	25.1	0.0	48.0

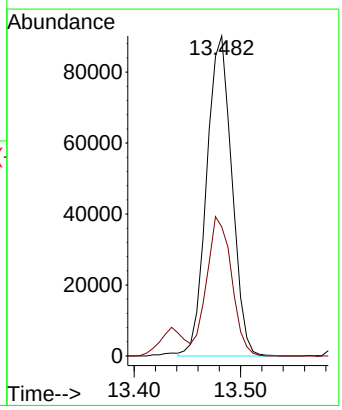


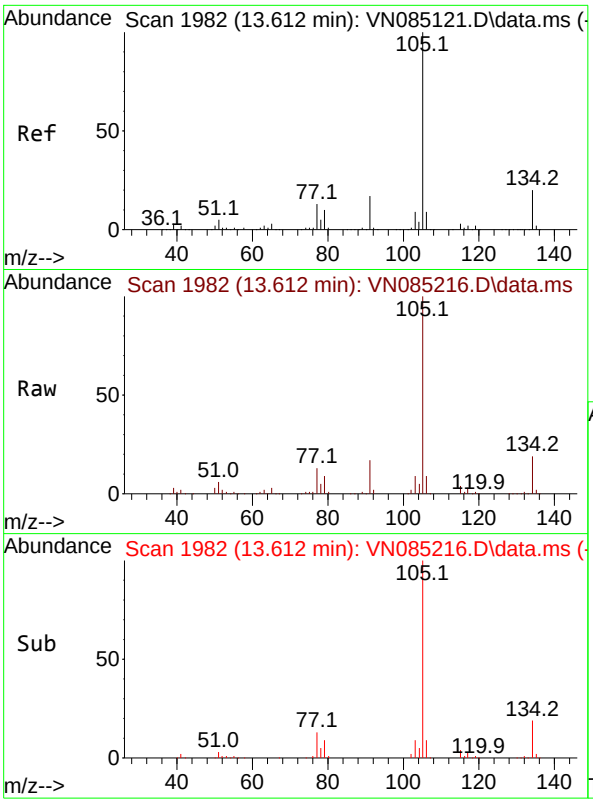


#80
1,2,4-Trimethylbenzene
Concen: 20.790 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:105 Resp: 148267

Ion	Ratio	Lower	Upper
105	100		
120	43.0	0.0	87.4



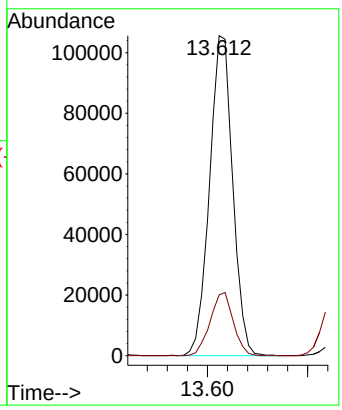


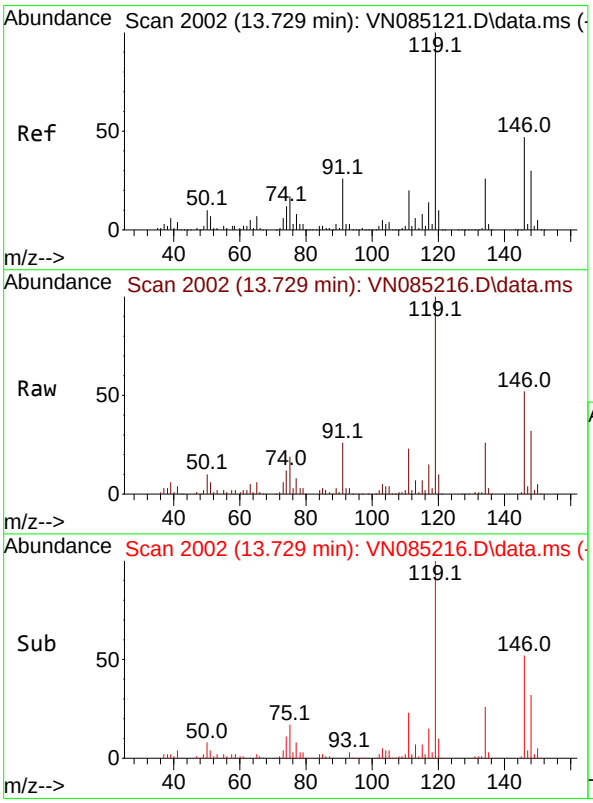
#81
sec-Butylbenzene
Concen: 20.111 ug/l
RT: 13.612 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:105 Resp: 169428

Ion	Ratio	Lower	Upper
105	100		
134	19.7	0.0	38.0

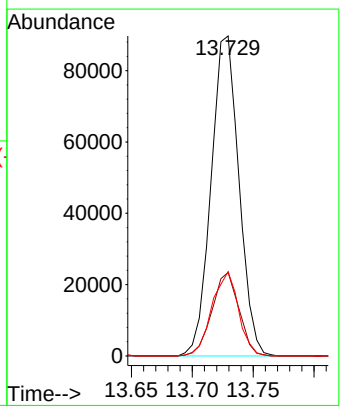


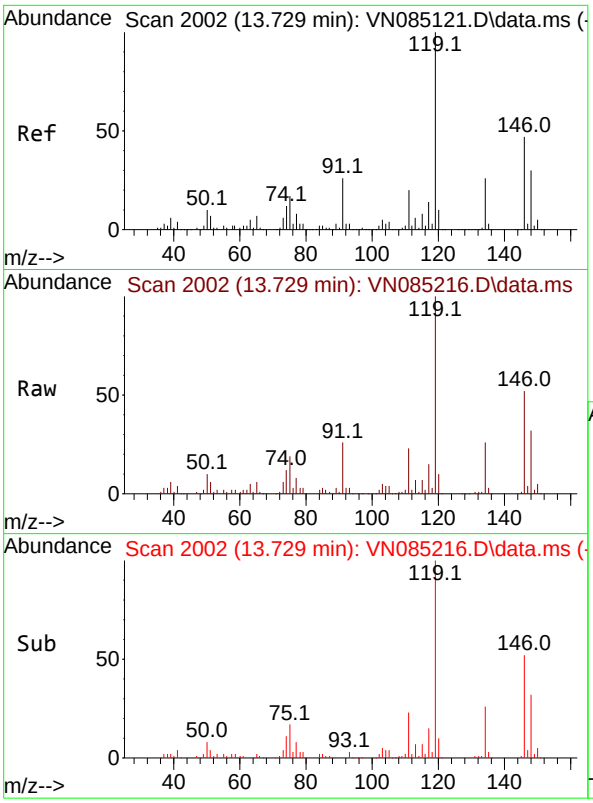


#82
p-Isopropyltoluene
Concen: 20.444 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:119 Resp: 142796

Ion	Ratio	Lower	Upper
119	100		
134	25.3	0.0	51.6
91	25.2	0.0	50.4



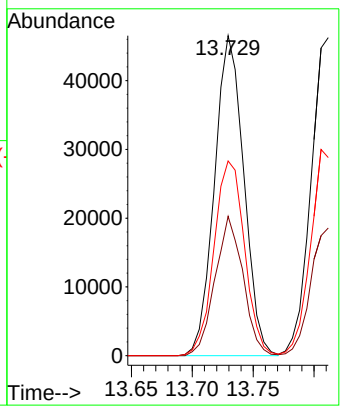


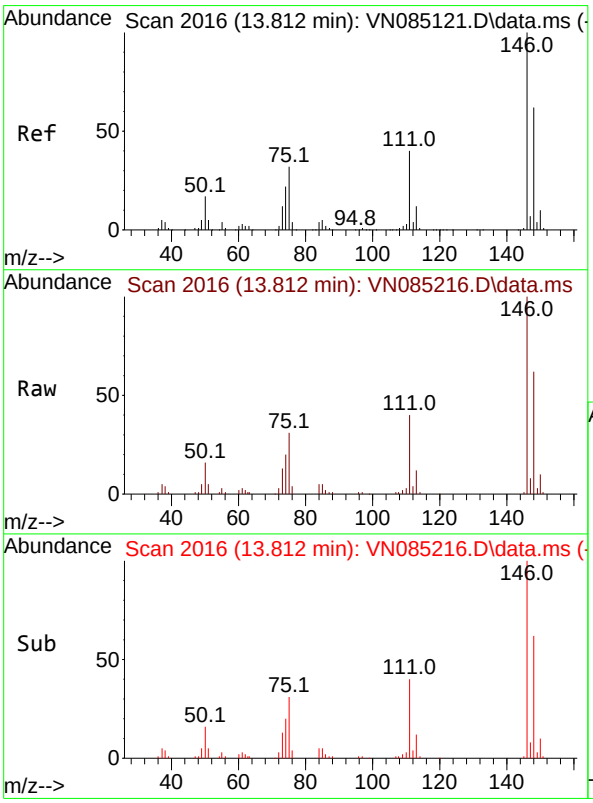
#83
1,3-Dichlorobenzene
Concen: 20.134 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:146 Resp: 77972

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.1	63.3
148	63.4	31.8	95.3

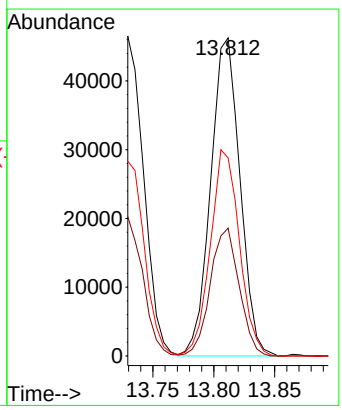


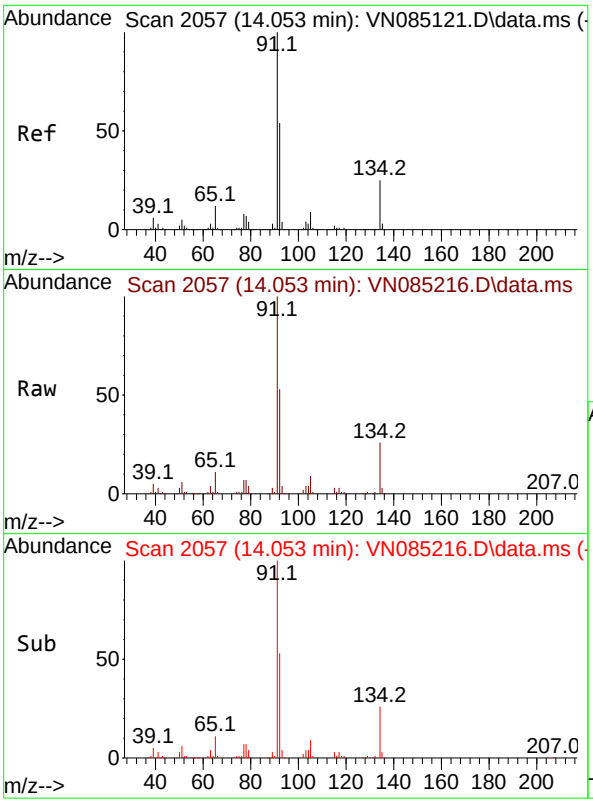


#84
1,4-Dichlorobenzene
Concen: 20.546 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:146 Resp: 77546

Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.1	60.3
148	64.3	31.6	94.7



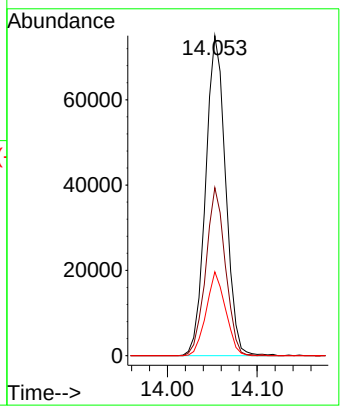


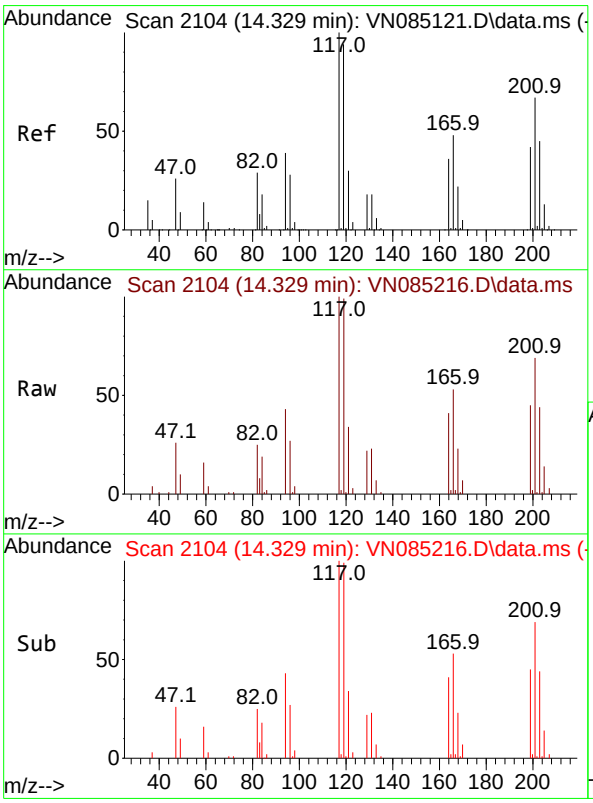
#85
n-Butylbenzene
Concen: 19.773 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 115848

Ion	Ratio	Lower	Upper
91	100		
92	51.5	0.0	104.0
134	25.5	0.0	49.2

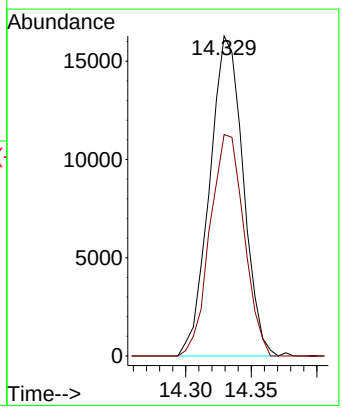


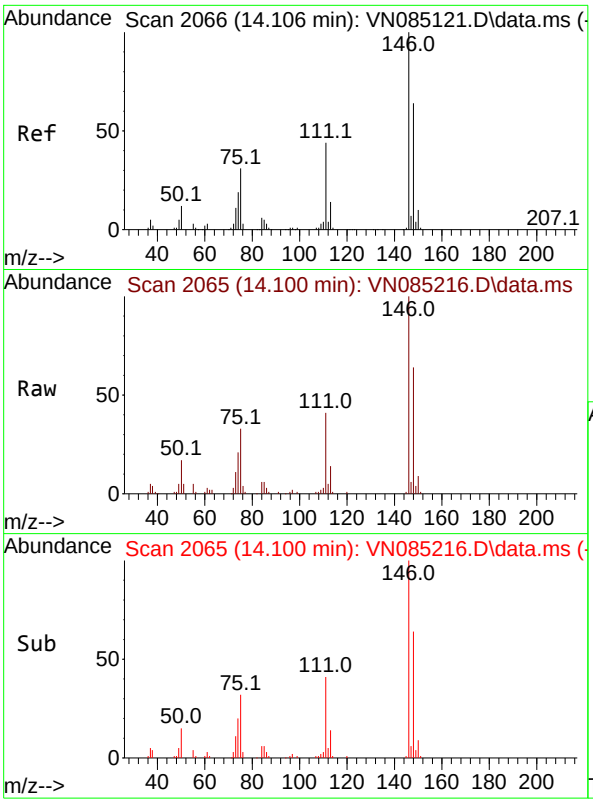


#86
Hexachloroethane
Concen: 20.814 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:117 Resp: 28941

Ion	Ratio	Lower	Upper
117	100		
201	70.2	34.1	102.3



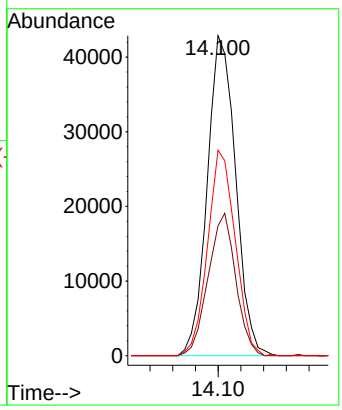


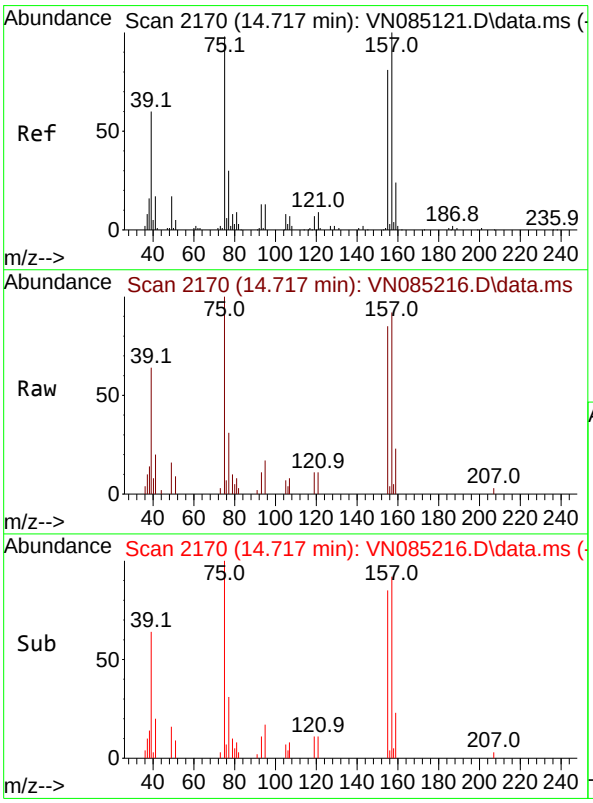
#87
1,2-Dichlorobenzene
Concen: 20.380 ug/l
RT: 14.100 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:146 Resp: 74498

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.9	65.7
148	62.5	32.4	97.0

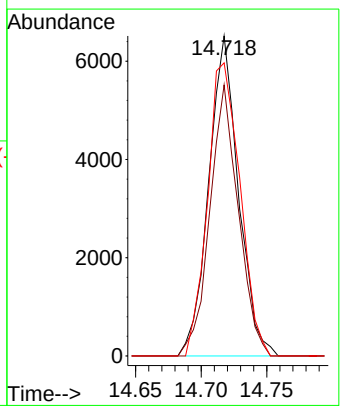


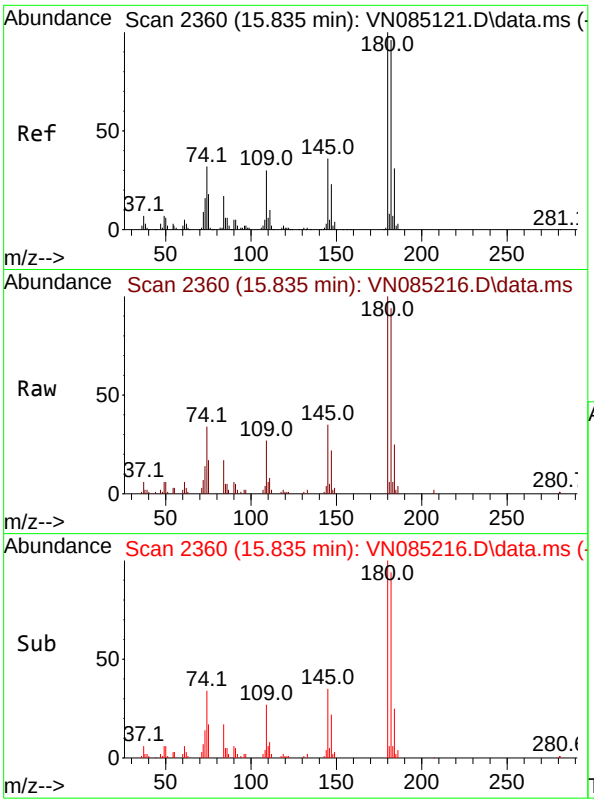


#88
1,2-Dibromo-3-Chloropropane
Concen: 20.062 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion: 75 Resp: 10280

Ion	Ratio	Lower	Upper
75	100		
155	81.4	62.1	93.1
157	100.1	79.3	118.9



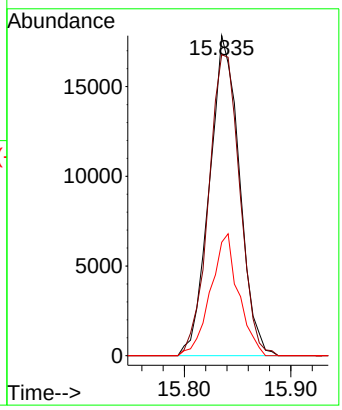


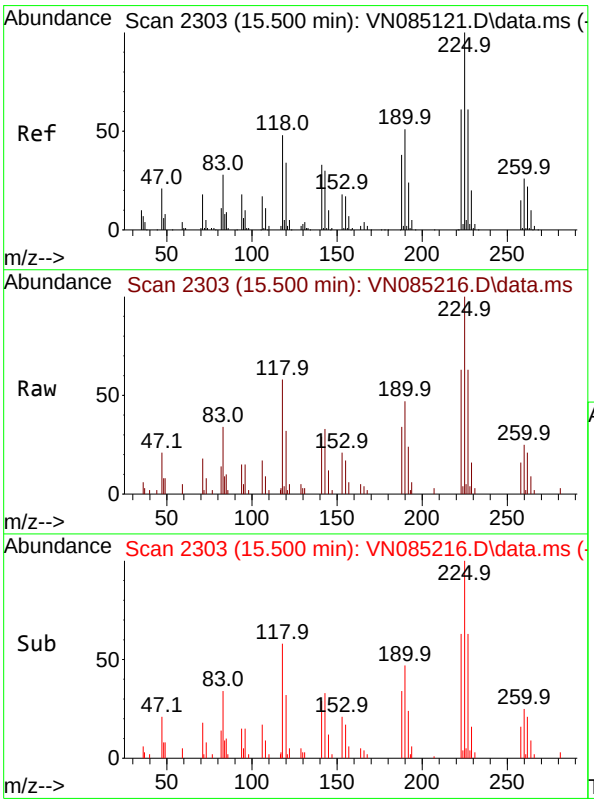
#89
1,2,4-Trichlorobenzene
Concen: 19.481 ug/l
RT: 15.835 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:180 Resp: 34875

Ion	Ratio	Lower	Upper
180	100		
182	97.6	74.0	111.0
145	35.5	28.6	43.0

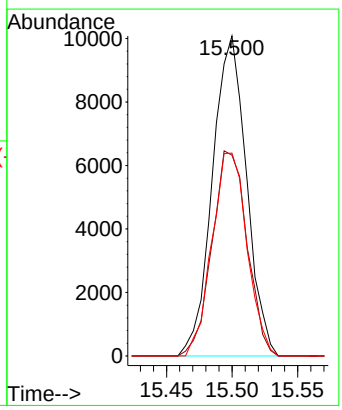


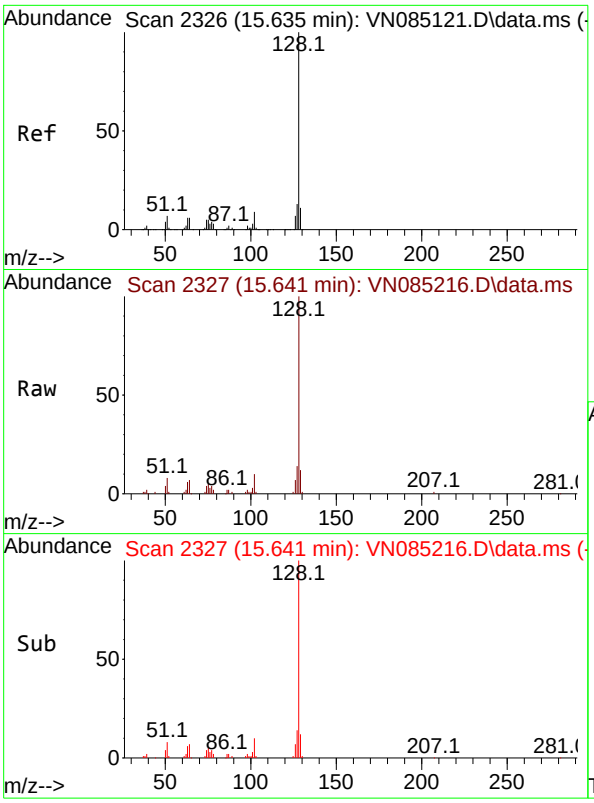


#90
Hexachlorobutadiene
Concen: 19.555 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:225 Resp: 18191

Ion	Ratio	Lower	Upper
225	100		
223	65.8	0.0	121.8
227	65.3	0.0	126.8



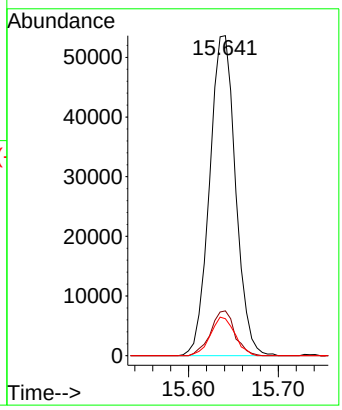


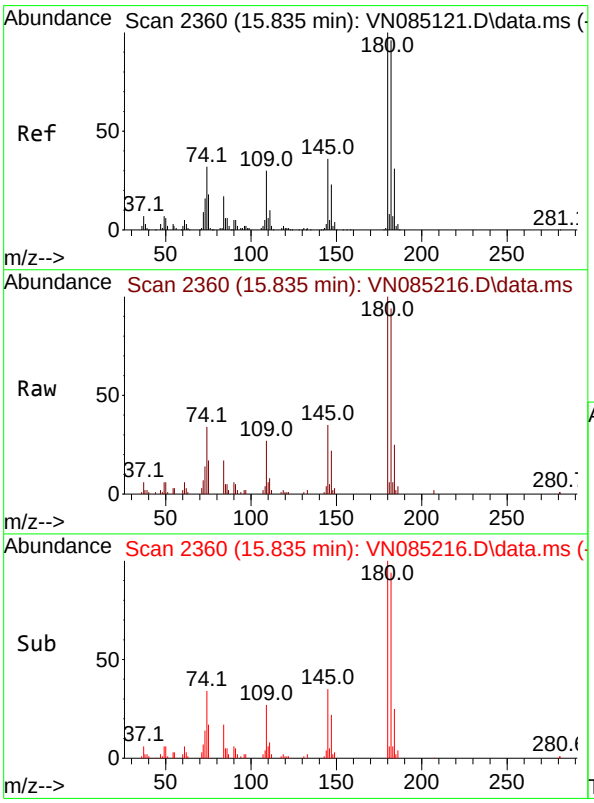
#91
Naphthalene
Concen: 19.380 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:128 Resp: 107788

Ion	Ratio	Lower	Upper
128	100		
127	13.1	11.0	16.4
129	11.3	8.7	13.1





#92
1,2,3-Trichlorobenzene
Concen: 19.481 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085216.D
Acq: 16 Dec 2024 16:33

Tgt Ion:180 Resp: 34875

Ion	Ratio	Lower	Upper
180	100		
182	97.6	0.0	185.0
145	35.5	0.0	71.6

